H.E. WILLIAMS, INC.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4WD-4-00-P7-835-FASY-POE_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ul #13323616.01
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 8 OCT 2020
[MANUFAC] H E Williams Inc
[LUMCAT] MX4WD-4'00-P7/835-FASY-PoE
[LUMINAIRE] White aluminum housing, frosted lens enclosure
[LAMP] 144 white LEDs
[OTHER] This test was performed using the calibrated photodetector met
[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2661
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6903	8253	8760
55	6562	8014	8551
65	6107	7654	8209
75	5280	7144	7793
85	3845	6610	7682

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4WD-4-00-P7-835-FASY-POE_.IES

CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	959.251	959.251	959.251	959.251	959.251	959.251	959.251	959.251	959.251	959.251
0.5	960.928	965.121	958.832	960.928	961.347	960.928	958.832	965.121	960.928	961.767
1.0	960.928	966.378	961.347	963.863	964.701	963.863	961.347	966.378	960.928	960.090
1.5	960.928	967.636	964.282	967.217	968.475	967.217	964.282	967.636	960.928	957.993
2.0	960.090	968.894	966.378	970.152	971.829	970.152	966.378	968.894	960.090	956.316
2.5	960.090	969.732	968.475	973.086	974.763	973.086	968.475	969.732	960.090	954.220
3.0	959.251	970.990	970.571	976.021	977.698	976.021	970.571	970.990	959.251	951.705
3.5	958.832	971.829	972.667	978.537	980.633	978.537	972.667	971.829	958.832	949.608
4.0	958.413	972.248	974.344	981.472	983.149	981.472	974.344	972.248	958.413	947.093
4.5	957.155	973.086	976.021	983.987	986.083	983.987	976.021	973.086	957.155	944.997
5.0	956.316	973.506	977.698	986.503	988.599	986.503	977.698	973.506	956.316	942.481
5.5	955.478	974.344	979.375	988.599	991.114	988.599	979.375	974.344	955.478	939.965
6.0	954.220	974.344	980.633	990.695	993.630	990.695	980.633	974.344	954.220	937.450
6.5	952.962	974.763	981.891	992.791	995.726	992.791	981.891	974.763	952.962	934.515
7.0	951.705	974.763	982.729	994.888	998.661	994.888	982.729	974.763	951.705	932.000
7.5	950.028	974.344	983.987	996.565	1000.757	996.565	983.987	974.344	950.028	929.065
8.0	948.351	974.344	985.245	998.242	1002.853	998.242	985.245	974.344	948.351	926.130
8.5	946.674	973.925	986.083	999.919	1004.950	999.919	986.083	973.925	946.674	923.195
9.0	945.416	973.506	986.503	1001.176	1006.627	1001.176	986.503	973.506	945.416	919.841
9.5	943.319	973.086	987.341	1002.434	1008.723	1002.434	987.341	973.086	943.319	916.907
10.0	941.223	972.248	987.760	1003.692	1009.981	1003.692	987.760	972.248	941.223	913.972
10.5	939.127	971.829	988.599	1005.369	1011.658	1005.369	988.599	971.829	939.127	910.618
11.0	937.031	970.990	988.599	1006.207	1012.916	1006.207	988.599	970.990	937.031	907.683
11.5	934.515	970.152	988.599	1007.046	1013.335	1007.046	988.599	970.152	934.515	904.329
12.0	932.419	968.894	988.599	1007.884	1014.593	1007.884	988.599	968.894	932.419	900.556
12.5	929.903	968.055	988.180	1008.304	1015.012	1008.304	988.180	968.055	929.903	897.202
13.0	927.388	966.798	988.180	1009.142	1015.850	1009.142	988.180	966.798	927.388	893.848
13.5	924.872	965.540	987.760	1009.142	1015.850	1009.142	987.760	965.540	924.872	890.074
14.0	922.357	964.282	987.341	1009.142	1015.850	1009.142	987.341	964.282	922.357	886.720
14.5	919.422	962.605	986.503	1009.142	1015.850	1009.142	986.503	962.605	919.422	882.947
15.0	916.487	960.928	986.083	1009.142	1015.850	1009.142	986.083	960.928	916.487	878.755
15.5	913.553	959.251	984.826	1008.304	1015.431	1008.304	984.826	959.251	913.553	874.981
16.0	910.618	957.155	983.987	1007.884	1015.431	1007.884	983.987	957.155	910.618	870.789
16.5	907.683	955.478	982.729	1007.046	1015.012	1007.046	982.729	955.478	907.683	867.015
17.0	904.329	953.382	981.472	1006.207	1014.593	1006.207	981.472	953.382	904.329	862.404
17.5	900.975	951.285	980.214	1005.369	1013.754	1005.369	980.214	951.285	900.975	858.211
18.0	898.040	948.770	978.956	1004.530	1012.916	1004.530	978.956	948.770	898.040	854.019
18.5	894.267	946.674	976.860	1003.273	1012.496	1003.273	976.860	946.674	894.267	849.826
19.0	890.913	943.739	975.183	1002.434	1011.658	1002.434	975.183	943.739	890.913	845.214
19.5	887.140	941.223	973.086	1000.757	1010.400	1000.757	973.086	941.223	887.140	840.602
20.0	883.366	938.288	971.409	999.499	1009.142	999.499	971.409	938.288	883.366	835.991
20.5	879.593	935.354	969.313	997.822	1007.884	997.822	969.313	935.354	879.593	831.379
21.0	875.820	932.419	967.217	996.565	1006.207	996.565	967.217	932.419	875.820	826.767
21.5	871.627	929.065	964.701	994.888	1004.111	994.888	964.701	929.065	871.627	822.155
22.0	867.854	926.130	962.186	992.791	1002.434	992.791	962.186	926.130	867.854	817.124
22.5	863.661	922.776	959.670	990.695	1000.338	990.695	959.670	922.776	863.661	812.513
23.0	859.469	919.003	956.736	988.599	997.822	988.599	956.736	919.003	859.469	807.901
23.5	854.857	915.649	954.220	986.083	995.726	986.083	954.220	915.649	854.857	802.450
24.0	850.665	911.876	951.285	983.568	993.630	983.568	951.285	911.876	850.665	797.419
24.5	846.053	908.102	947.931	981.052	991.114	981.052	947.931	908.102	846.053	792.388
25.0	841.441	904.329	944.997	978.118	988.180	978.118	944.997	904.329	841.441	787.357
25.5	836.829	900.136	941.642	975.183	985.664	975.183	941.642	900.136	836.829	782.746
26.0	831.798	895.944	938.288	972.248	982.729	972.248	938.288	895.944	831.798	776.876
26.5	827.186	891.751	934.515	968.894	979.375	968.894	934.515	891.751	827.186	771.845

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

27.0	822.155	887.140	930.742	965.540	976.021	965.540	930.742	887.140	822.155	766.395
27.5	817.124	882.947	926.969	961.767	972.667	961.767	926.969	882.947	817.124	761.364
28.0	812.093	878.335	923.195	958.413	968.894	958.413	923.195	878.335	812.093	755.913
28.5	806.643	873.723	919.003	954.639	965.121	954.639	919.003	873.723	806.643	750.463
29.0	801.612	868.692	914.810	950.447	961.347	950.447	914.810	868.692	801.612	744.594
29.5	795.742	863.661	910.618	946.254	957.155	946.254	910.618	863.661	795.742	739.143
30.0	790.292	858.630	906.006	941.642	952.543	941.642	906.006	858.630	790.292	733.693
30.5	784.842	853.599	901.394	937.031	947.931	937.031	901.394	853.599	784.842	727.823
31.0	779.392	848.149	896.363	932.419	943.319	932.419	896.363	848.149	779.392	721.954
31.5	773.941	843.118	891.332	927.807	938.708	927.807	891.332	843.118	773.941	716.504
32.0	768.072	837.668	885.882	922.776	933.677	922.776	885.882	837.668	768.072	710.215
32.5	762.202	832.217	880.432	917.326	928.646	917.326	880.432	832.217	762.202	704.345
33.0	756.752	826.767	874.981	911.876	923.615	911.876	874.981	826.767	756.752	698.056
33.5	751.302	820.898	869.531	906.844	918.164	906.844	869.531	820.898	751.302	691.768
34.0	745.013	815.028	863.661	901.394	912.714	901.394	863.661	815.028	745.013	685.898
34.5	739.562	809.159	857.792	895.525	907.264	895.525	857.792	809.159	739.562	679.609
35.0	733.274	803.289	851.922	890.074	901.394	890.074	851.922	803.289	733.274	673.740
35.5	727.404	797.000	846.472	884.205	895.525	884.205	846.472	797.000	727.404	667.451
36.0	721.535	791.131	840.183	878.335	889.655	878.335	840.183	791.131	721.535	660.743
36.5	715.246	784.842	834.733	872.466	883.366	872.466	834.733	784.842	715.246	654.873
37.0	709.376	778.972	828.444	866.596	877.078	866.596	828.444	778.972	709.376	648.165
37.5	703.087	772.264	822.575	860.307	870.789	860.307	822.575	772.264	703.087	641.877
38.0	696.799	766.395	816.705	854.019	864.500	854.019	816.705	766.395	696.799	635.168
38.5	690.510	760.106	810.416	847.730	858.211	847.730	810.416	760.106	690.510	628.880
39.0	683.802	753.817	804.127	841.441	851.503	841.441	804.127	753.817	683.802	622.591
39.5	677.513	747.528	797.839	834.733	844.795	834.733	797.839	747.528	677.513	615.883
40.0	671.224	741.240	791.550	828.444	838.087	828.444	791.550	741.240	671.224	609.594
40.5	664.516	734.951	785.261	821.317	831.798	821.317	785.261	734.951	664.516	603.305
41.0	657.808	728.662	778.553	815.028	824.671	815.028	778.553	728.662	657.808	596.597
41.5	651.100	721.954	771.426	807.901	817.963	807.901	771.426	721.954	651.100	589.889
42.0	644.392	715.665	764.718	800.773	810.836	800.773	764.718	715.665	644.392	583.181
42.5	638.103	708.957	757.590	793.646	804.127	793.646	757.590	708.957	638.103	576.892
43.0	631.395	702.668	750.882	786.519	796.581	786.519	750.882	702.668	631.395	570.184
43.5	624.687	695.541	743.755	779.392	789.454	779.392	743.755	695.541	624.687	563.476
44.0	617.979	689.252	737.047	771.845	781.907	771.845	737.047	689.252	617.979	557.187
44.5	611.271	682.125	729.920	764.718	774.780	764.718	729.920	682.125	611.271	550.479
45.0	604.563	675.417	722.792	757.171	767.233	757.171	722.792	675.417	604.563	543.771
45.5	597.855	668.289	715.665	749.625	759.687	749.625	715.665	668.289	597.855	537.063
46.0	591.147	661.581	708.538	742.497	752.140	742.497	708.538	661.581	591.147	530.774
46.5	584.439	654.454	700.991	734.531	744.174	734.531	700.991	654.454	584.439	524.486
47.0	577.731	647.327	693.864	727.404	736.628	727.404	693.864	647.327	577.731	517.778
47.5	571.023	639.780	686.737	719.858	729.081	719.858	686.737	639.780	571.023	511.070
48.0	564.734	632.653	679.190	712.311	721.535	712.311	679.190	632.653	564.734	504.781
48.5	558.026	625.106	672.063	704.764	713.988	704.764	672.063	625.106	558.026	498.492
49.0	551.318	617.979	664.097	697.218	706.022	697.218	664.097	617.979	551.318	491.784
49.5	544.191	610.433	656.550	689.252	698.476	689.252	656.550	610.433	544.191	485.495
50.0	537.482	602.886	649.004	681.706	690.510	681.706	649.004	602.886	537.482	479.206
50.5	530.355	595.339	641.457	673.740	682.544	673.740	641.457	595.339	530.355	472.498
51.0	523.647	588.212	633.491	665.774	674.159	665.774	633.491	588.212	523.647	466.209
51.5	516.520	580.666	625.526	657.808	666.612	657.808	625.526	580.666	516.520	459.921
52.0	509.393	573.119	617.560	649.842	658.227	649.842	617.560	573.119	509.393	453.213
52.5	502.684	565.572	610.013	641.877	650.262	641.877	610.013	565.572	502.684	446.505
53.0	495.557	558.026	601.628	633.911	641.877	633.911	601.628	558.026	495.557	439.797
53.5	488.011	550.479	594.082	625.526	633.491	625.526	594.082	550.479	488.011	433.088
54.0	480.883	542.933	586.116	617.141	625.106	617.141	586.116	542.933	480.883	426.380
54.5	473.756	535.386	577.731	608.756	616.721	608.756	577.731	535.386	473.756	420.092

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

55.0	466.209	527.840	569.346	600.790	607.498	600.790	569.346	527.840	466.209	413.258
55.5	458.663	519.874	561.380	592.405	599.113	592.405	561.380	519.874	458.663	406.634
56.0	451.116	512.327	553.414	584.020	590.308	584.020	553.414	512.327	451.116	400.009
56.5	443.989	504.781	545.029	575.215	581.923	575.215	545.029	504.781	443.989	393.469
57.0	436.862	496.815	536.644	566.411	573.119	566.411	536.644	496.815	436.862	386.551
57.5	429.734	488.849	528.259	557.607	564.315	557.607	528.259	488.849	429.734	379.969
58.0	422.607	480.883	519.874	548.802	555.510	548.802	519.874	480.883	422.607	373.051
58.5	415.144	472.918	511.489	539.998	546.706	539.998	511.489	472.918	415.144	366.385
59.0	407.766	464.952	503.104	531.194	537.482	531.194	503.104	464.952	407.766	359.384
59.5	400.512	456.986	494.719	522.389	528.678	522.389	494.719	456.986	400.512	352.592
60.0	393.259	449.020	485.914	513.585	519.874	513.585	485.914	449.020	393.259	345.884
60.5	385.797	441.054	477.529	504.361	511.070	504.361	477.529	441.054	385.797	339.092
61.0	378.502	432.669	469.144	495.557	501.846	495.557	469.144	432.669	378.502	332.174
61.5	370.913	424.703	460.759	486.334	492.622	486.334	460.759	424.703	370.913	325.466
62.0	363.618	416.570	451.955	477.529	483.399	477.529	451.955	416.570	363.618	319.177
62.5	356.365	408.436	443.570	468.725	474.595	468.725	443.570	408.436	356.365	312.260
63.0	349.070	400.387	434.765	459.501	465.790	459.501	434.765	400.387	349.070	306.013
63.5	341.817	392.002	426.380	450.697	456.986	450.697	426.380	392.002	341.817	299.137
64.0	334.145	383.784	418.079	442.312	447.762	442.312	418.079	383.784	334.145	292.177
64.5	327.185	375.693	409.401	433.088	438.958	433.088	409.401	375.693	327.185	285.260
65.0	319.680	367.475	400.680	423.865	429.734	423.865	400.680	367.475	319.680	278.342
65.5	312.050	359.426	391.918	415.103	420.511	415.103	391.918	359.426	312.050	271.550
66.0	304.671	351.124	383.281	406.172	411.581	406.172	383.281	351.124	304.671	264.800
66.5	297.712	342.865	374.603	397.242	402.567	397.242	374.603	342.865	297.712	257.925
67.0	289.997	334.522	365.882	388.228	393.553	388.228	365.882	334.522	289.997	251.007
67.5	282.325	326.430	357.162	379.214	384.371	379.214	357.162	326.430	282.325	244.089
68.0	274.569	319.052	348.609	369.991	375.148	369.991	348.609	319.052	274.569	237.130
68.5	266.897	311.505	339.721	361.019	366.092	361.019	339.721	311.505	266.897	230.296
69.0	259.224	303.246	330.875	351.795	356.952	351.795	330.875	303.246	259.224	223.378
69.5	251.594	294.986	322.573	342.697	347.896	342.697	322.573	294.986	251.594	216.418
70.0	243.963	286.769	314.691	333.600	338.757	333.600	314.691	286.769	243.963	209.543
70.5	236.375	278.510	306.809	324.544	329.659	324.544	306.809	278.510	236.375	202.667
71.0	228.786	270.125	297.963	315.991	320.519	315.991	297.963	270.125	228.786	195.791
71.5	221.240	261.991	289.327	308.067	312.889	308.067	289.327	261.991	221.240	188.915
72.0	213.735	253.732	280.690	298.969	304.000	298.969	280.690	253.732	213.735	182.124
72.5	206.273	245.515	272.137	289.955	294.777	289.955	272.137	245.515	206.273	175.290
73.0	198.894	237.255	263.501	280.983	285.679	280.983	263.501	237.255	198.894	168.540
73.5	191.473	228.996	254.822	272.053	276.623	272.053	254.822	228.996	191.473	161.790
74.0	184.052	220.821	246.227	263.207	267.567	263.207	246.227	220.821	184.052	155.208
74.5	176.631	212.645	237.591	254.319	258.721	254.319	237.591	212.645	176.631	148.709
75.0	169.252	204.512	229.038	245.431	249.833	245.431	229.038	204.512	169.252	142.169
75.5	161.957	196.462	220.611	236.585	240.819	236.585	220.611	196.462	161.957	135.880
76.0	154.662	188.412	212.100	227.906	231.931	227.906	212.100	188.412	154.662	129.549
76.5	147.451	180.405	203.631	219.102	223.043	219.102	203.631	180.405	147.451	123.344
77.0	140.324	172.481	195.288	210.423	214.196	210.423	195.288	172.481	140.324	117.139
77.5	133.281	164.599	186.987	201.787	205.476	201.787	186.987	164.599	133.281	110.934
78.0	126.279	156.759	178.686	193.276	196.923	193.276	178.686	156.759	126.279	104.981
78.5	119.361	149.086	170.384	184.765	188.412	184.765	170.384	149.086	119.361	98.944
79.0	112.486	141.540	162.251	176.254	179.985	176.254	162.251	141.540	112.486	92.990
79.5	105.694	134.035	154.159	167.785	171.391	167.785	154.159	134.035	105.694	87.205
80.0	99.070	126.656	146.194	159.358	162.964	159.358	146.194	126.656	99.070	81.503
80.5	92.571	119.319	138.312	150.931	154.537	150.931	138.312	119.319	92.571	75.885
81.0	86.282	112.066	130.472	142.672	146.194	142.672	130.472	112.066	86.282	70.393
81.5	80.119	104.855	122.632	134.538	138.060	134.538	122.632	104.855	80.119	65.026
82.0	74.124	97.812	114.959	126.489	130.010	126.489	114.959	97.812	74.124	59.744
82.5	68.296	90.894	107.329	118.523	122.045	118.523	107.329	90.894	68.296	54.587

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

83.0	62.636	84.102	99.950	110.641	113.995	110.641	99.950	84.102	62.636	49.514
83.5	57.144	77.394	92.613	102.801	106.029	102.801	92.613	77.394	57.144	44.650
84.0	51.736	70.896	85.402	95.087	98.147	95.087	85.402	70.896	51.736	39.871
84.5	46.537	64.523	78.316	87.540	90.433	87.540	78.316	64.523	46.537	35.259
85.0	41.506	58.318	71.357	80.119	82.928	80.119	71.357	58.318	41.506	30.815
85.5	36.685	52.281	64.565	72.866	75.591	72.866	64.565	52.281	36.685	26.539
86.0	32.073	46.453	57.941	65.697	68.422	65.697	57.941	46.453	32.073	22.430
86.5	27.587	40.751	51.442	58.737	61.295	58.737	51.442	40.751	27.587	18.405
87.0	23.143	35.259	45.070	51.862	54.251	51.862	45.070	35.259	23.143	14.464
87.5	18.908	29.935	38.907	45.154	47.376	45.154	38.907	29.935	18.908	10.649
88.0	14.800	24.778	32.869	38.655	40.751	38.655	32.869	24.778	14.800	6.918
88.5	10.733	19.789	27.042	32.324	34.295	32.324	27.042	19.789	10.733	3.354
89.0	6.792	14.925	21.382	26.203	28.048	26.203	21.382	14.925	6.792	1.090
89.5	3.899	9.978	15.890	20.166	21.927	20.166	15.890	9.978	3.899	0.335
90.0	1.929	5.492	10.523	14.129	15.806	14.129	10.523	5.492	1.929	0.293
90.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0.0	959.251	959.251	959.251	959.251	959.251	959.251	959.251
0.5	953.382	953.801	954.639	953.801	953.382	961.767	960.928
1.0	950.447	950.447	951.285	950.447	950.447	960.090	960.928
1.5	947.512	946.674	947.512	946.674	947.512	957.993	960.928
2.0	944.577	942.900	943.739	942.900	944.577	956.316	960.090
2.5	941.223	939.127	939.965	939.127	941.223	954.220	960.090
3.0	938.288	935.354	935.773	935.354	938.288	951.705	959.251
3.5	934.515	931.580	931.580	931.580	934.515	949.608	958.832
4.0	931.580	927.807	927.388	927.807	931.580	947.093	958.413
4.5	927.807	923.615	922.776	923.615	927.807	944.997	957.155
5.0	924.034	919.422	918.584	919.422	924.034	942.481	956.316
5.5	920.680	915.230	913.972	915.230	920.680	939.965	955.478
6.0	917.326	911.037	909.360	911.037	917.326	937.450	954.220
6.5	913.553	906.425	905.167	906.425	913.553	934.515	952.962
7.0	909.779	902.233	900.556	902.233	909.779	932.000	951.705
7.5	906.006	897.621	895.944	897.621	906.006	929.065	950.028
8.0	902.233	893.009	891.332	893.009	902.233	926.130	948.351
8.5	898.459	888.397	886.301	888.397	898.459	923.195	946.674
9.0	894.686	883.786	881.689	883.786	894.686	919.841	945.416
9.5	890.913	879.593	876.658	879.593	890.913	916.907	943.319
10.0	886.720	874.981	871.627	874.981	886.720	913.972	941.223
10.5	882.947	869.950	866.596	869.950	882.947	910.618	939.127
11.0	878.755	865.338	861.984	865.338	878.755	907.683	937.031
11.5	874.562	860.727	856.534	860.727	874.562	904.329	934.515
12.0	869.950	855.696	851.503	855.696	869.950	900.556	932.419

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

12.5	866.177	851.084	846.472	851.084	866.177	897.202	929.903
13.0	861.565	846.053	841.441	846.053	861.565	893.848	927.388
13.5	856.953	841.022	836.410	841.022	856.953	890.074	924.872
14.0	852.761	835.991	830.960	835.991	852.761	886.720	922.357
14.5	848.149	830.960	825.929	830.960	848.149	882.947	919.422
15.0	843.537	825.509	820.478	825.509	843.537	878.755	916.487
15.5	838.925	820.898	815.028	820.898	838.925	874.981	913.553
16.0	833.894	815.447	809.578	815.447	833.894	870.789	910.618
16.5	828.863	810.416	804.127	810.416	828.863	867.015	907.683
17.0	824.252	804.966	798.677	804.966	824.252	862.404	904.329
17.5	819.221	799.935	793.227	799.935	819.221	858.211	900.975
18.0	814.190	794.485	787.777	794.485	814.190	854.019	898.040
18.5	809.578	789.034	781.907	789.034	809.578	849.826	894.267
19.0	804.127	783.584	776.457	783.584	804.127	845.214	890.913
19.5	799.096	777.715	770.587	777.715	799.096	840.602	887.140
20.0	793.646	772.264	765.137	772.264	793.646	835.991	883.366
20.5	788.615	766.395	759.267	766.395	788.615	831.379	879.593
21.0	783.584	760.525	753.398	760.525	783.584	826.767	875.820
21.5	778.134	755.075	747.948	755.075	778.134	822.155	871.627
22.0	772.683	749.205	742.078	749.205	772.683	817.124	867.854
22.5	767.652	743.336	736.208	743.336	767.652	812.513	863.661
23.0	762.202	737.885	730.339	737.885	762.202	807.901	859.469
23.5	757.171	732.016	724.469	732.016	757.171	802.450	854.857
24.0	751.721	726.566	718.600	726.566	751.721	797.419	850.665
24.5	746.271	721.115	712.311	721.115	746.271	792.388	846.053
25.0	740.820	715.246	706.861	715.246	740.820	787.357	841.441
25.5	735.789	709.376	700.991	709.376	735.789	782.746	836.829
26.0	730.339	703.926	694.702	703.926	730.339	776.876	831.798
26.5	724.469	698.056	688.833	698.056	724.469	771.845	827.186
27.0	719.019	692.606	683.383	692.606	719.019	766.395	822.155
27.5	713.569	686.737	677.513	686.737	713.569	761.364	817.124
28.0	708.119	681.286	672.063	681.286	708.119	755.913	812.093
28.5	702.249	675.836	666.193	675.836	702.249	750.463	806.643
29.0	696.379	669.547	660.324	669.547	696.379	744.594	801.612
29.5	690.510	664.097	654.873	664.097	690.510	739.143	795.742
30.0	684.640	658.227	649.004	658.227	684.640	733.693	790.292
30.5	678.771	651.939	643.554	651.939	678.771	727.823	784.842
31.0	672.482	646.069	637.684	646.069	672.482	721.954	779.392
31.5	666.193	639.780	631.814	639.780	666.193	716.504	773.941
32.0	660.324	633.911	625.526	633.911	660.324	710.215	768.072
32.5	654.035	628.041	620.075	628.041	654.035	704.345	762.202
33.0	647.746	621.752	613.787	621.752	647.746	698.056	756.752
33.5	641.877	615.464	607.498	615.464	641.877	691.768	751.302
34.0	635.588	609.175	601.209	609.175	635.588	685.898	745.013
34.5	629.299	602.886	594.920	602.886	629.299	679.609	739.562
35.0	623.010	596.178	588.631	596.178	623.010	673.740	733.274
35.5	616.721	589.889	581.923	589.889	616.721	667.451	727.404
36.0	610.433	583.600	575.635	583.600	610.433	660.743	721.535
36.5	604.144	576.892	568.926	576.892	604.144	654.873	715.246
37.0	598.274	570.603	562.218	570.603	598.274	648.165	709.376
37.5	591.566	563.895	555.091	563.895	591.566	641.877	703.087
38.0	585.277	557.607	548.383	557.607	585.277	635.168	696.799
38.5	578.989	550.899	541.675	550.899	578.989	628.880	690.510
39.0	572.280	544.610	534.967	544.610	572.280	622.591	683.802
39.5	565.992	537.902	528.259	537.902	565.992	615.883	677.513
40.0	559.284	531.194	521.551	531.194	559.284	609.594	671.224

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

40.5	552.995	524.486	515.262	524.486	552.995	603.305	664.516
41.0	546.287	518.197	508.554	518.197	546.287	596.597	657.808
41.5	539.998	511.908	502.265	511.908	539.998	589.889	651.100
42.0	533.709	505.619	495.976	505.619	533.709	583.181	644.392
42.5	527.420	499.330	490.107	499.330	527.420	576.892	638.103
43.0	521.132	493.461	484.237	493.461	521.132	570.184	631.395
43.5	514.843	487.591	478.368	487.591	514.843	563.476	624.687
44.0	508.554	481.722	472.918	481.722	508.554	557.187	617.979
44.5	502.265	475.433	467.048	475.433	502.265	550.479	611.271
45.0	495.976	469.563	461.598	469.563	495.976	543.771	604.563
45.5	489.688	464.113	455.728	464.113	489.688	537.063	597.855
46.0	483.818	458.244	450.278	458.244	483.818	530.774	591.147
46.5	477.529	452.374	444.408	452.374	477.529	524.486	584.439
47.0	471.240	446.505	438.539	446.505	471.240	517.778	577.731
47.5	465.371	440.635	432.669	440.635	465.371	511.070	571.023
48.0	459.501	434.765	427.219	434.765	459.501	504.781	564.734
48.5	453.213	428.896	421.349	428.896	453.213	498.492	558.026
49.0	446.924	423.026	415.228	423.026	446.924	491.784	551.318
49.5	440.635	416.947	409.233	416.947	440.635	485.495	544.191
50.0	434.765	410.910	403.489	410.910	434.765	479.206	537.482
50.5	428.477	404.999	397.494	404.999	428.477	472.498	530.355
51.0	422.607	399.129	391.499	399.129	422.607	466.209	523.647
51.5	416.486	393.092	385.587	393.092	416.486	459.921	516.520
52.0	410.281	387.180	379.466	387.180	410.281	453.213	509.393
52.5	404.202	381.143	373.638	381.143	404.202	446.505	502.684
53.0	398.123	375.232	367.601	375.232	398.123	439.797	495.557
53.5	391.918	369.362	361.690	369.362	391.918	433.088	488.011
54.0	385.671	363.199	355.652	363.199	385.671	426.380	480.883
54.5	379.676	357.204	349.825	357.204	379.676	420.092	473.756
55.0	373.261	351.124	343.829	351.124	373.261	413.258	466.209
55.5	367.140	345.087	338.086	345.087	367.140	406.634	458.663
56.0	360.683	339.218	332.007	339.218	360.683	400.009	451.116
56.5	354.562	333.180	326.179	333.180	354.562	393.469	443.989
57.0	348.106	327.227	320.100	327.227	348.106	386.551	436.862
57.5	342.069	321.064	314.943	321.064	342.069	379.969	429.734
58.0	335.780	316.243	310.205	316.243	335.780	373.051	422.607
58.5	329.575	310.834	304.378	310.834	329.575	366.385	415.144
59.0	323.286	304.797	298.466	304.797	323.286	359.384	407.766
59.5	317.710	298.760	292.764	298.760	317.710	352.592	400.512
60.0	312.427	292.764	286.811	292.764	312.427	345.884	393.259
60.5	306.097	286.937	280.942	286.937	306.097	339.092	385.797
61.0	299.892	281.067	275.282	281.067	299.892	332.174	378.502
61.5	293.603	275.365	269.412	275.365	293.603	325.466	370.913
62.0	287.314	269.580	263.710	269.580	287.314	319.177	363.618
62.5	281.109	263.836	258.008	263.836	281.109	312.260	356.365
63.0	274.820	258.008	252.390	258.008	274.820	306.013	349.070
63.5	268.532	252.139	246.689	252.139	268.532	299.137	341.817
64.0	262.243	246.353	241.029	246.353	262.243	292.177	334.145
64.5	256.080	240.484	235.285	240.484	256.080	285.260	327.185
65.0	249.833	234.656	229.457	234.656	249.833	278.342	319.680
65.5	243.670	228.828	223.839	228.828	243.670	271.550	312.050
66.0	237.591	223.043	217.634	223.043	237.591	264.800	304.671
66.5	231.512	217.215	211.932	217.215	231.512	257.925	297.712
67.0	225.432	211.471	206.398	211.471	225.432	251.007	289.997
67.5	219.395	205.769	200.906	205.769	219.395	244.089	282.325
68.0	213.316	199.984	195.288	199.984	213.316	237.130	274.569

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

68.5	207.153	194.324	189.754	194.324	207.153	230.296	266.897
69.0	200.990	188.664	184.136	188.664	200.990	223.378	259.224
69.5	194.869	183.004	178.602	183.004	194.869	216.418	251.594
70.0	188.706	177.344	173.068	177.344	188.706	209.543	243.963
70.5	182.669	171.684	167.534	171.684	182.669	202.667	236.375
71.0	176.589	166.066	161.957	166.066	176.589	195.791	228.786
71.5	170.552	160.490	156.507	160.490	170.552	188.915	221.240
72.0	164.557	154.956	151.015	154.956	164.557	182.124	213.735
72.5	158.603	149.422	145.607	149.422	158.603	175.290	206.273
73.0	152.608	143.930	140.072	143.930	152.608	168.540	198.894
73.5	146.697	138.395	134.622	138.395	146.697	161.790	191.473
74.0	140.785	132.903	129.256	132.903	140.785	155.208	184.052
74.5	134.916	127.411	123.889	127.411	134.916	148.709	176.631
75.0	129.172	122.045	118.691	122.045	129.172	142.169	169.252
75.5	123.470	116.678	113.492	116.678	123.470	135.880	161.957
76.0	117.852	111.354	108.419	111.354	117.852	129.549	154.662
76.5	112.276	106.113	103.304	106.113	112.276	123.344	147.451
77.0	106.784	100.914	98.273	100.914	106.784	117.139	140.324
77.5	101.333	95.799	93.284	95.799	101.333	110.934	133.281
78.0	95.925	90.684	88.295	90.684	95.925	104.981	126.279
78.5	90.517	85.611	83.389	85.611	90.517	98.944	119.361
79.0	85.276	80.539	78.442	80.539	85.276	92.990	112.486
79.5	79.993	75.591	73.621	75.591	79.993	87.205	105.694
80.0	74.879	70.644	68.758	70.644	74.879	81.503	99.070
80.5	69.848	65.781	63.978	65.781	69.848	75.885	92.571
81.0	64.858	61.001	59.282	61.001	64.858	70.393	86.282
81.5	59.953	56.264	54.671	56.264	59.953	65.026	80.119
82.0	55.132	51.652	50.143	51.652	55.132	59.744	74.124
82.5	50.352	47.040	45.615	47.040	50.352	54.587	68.296
83.0	45.657	42.554	41.129	42.554	45.657	49.514	62.636
83.5	41.003	38.110	36.810	38.110	41.003	44.650	57.144
84.0	36.475	33.750	32.408	33.750	36.475	39.871	51.736
84.5	32.031	29.473	28.216	29.473	32.031	35.259	46.537
85.0	27.755	25.281	24.107	25.281	27.755	30.815	41.506
85.5	23.520	21.214	20.124	21.214	23.520	26.539	36.685
86.0	19.453	17.231	16.225	17.231	19.453	22.430	32.073
86.5	15.470	13.374	12.452	13.374	15.470	18.405	27.587
87.0	11.613	9.643	8.762	9.643	11.613	14.464	23.143
87.5	7.882	6.121	5.492	6.121	7.882	10.649	18.908
88.0	4.444	3.102	2.557	3.102	4.444	6.918	14.800
88.5	1.761	0.755	0.503	0.755	1.761	3.354	10.733
89.0	0.461	0.293	0.252	0.293	0.461	1.090	6.792
89.5	0.252	0.252	0.252	0.252	0.252	0.335	3.899
90.0	0.252	0.252	0.210	0.252	0.252	0.293	1.929
90.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

96.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

124.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4WD-4-00-P7-835-FASY-POE_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	349.39	N.A.	13.10
0-30	738.62	N.A.	27.80
0-40	1201.05	N.A.	45.10
0-60	2094.17	N.A.	78.70
0-80	2605.01	N.A.	97.90
0-90	2660.67	N.A.	100.00
10-90	2570.03	N.A.	96.60
20-40	851.66	N.A.	32.00
20-50	1322.76	N.A.	49.70
40-70	1215.21	N.A.	45.70
60-80	510.83	N.A.	19.20
70-80	188.75	N.A.	7.10
80-90	55.66	N.A.	2.10
90-110	0.14	N.A.	0.00
90-120	0.14	N.A.	0.00
90-130	0.14	N.A.	0.00
90-150	0.14	N.A.	0.00
90-180	0.14	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2660.81	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	90.64
10-20	258.75
20-30	389.23
30-40	462.43
40-50	471.10
50-60	422.03
60-70	322.08
70-80	188.75
80-90	55.66
90-100	0.14
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4WD-4-00-P7-835-FASY-POE_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	33	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4WD-4-00-P7-835-FASY-POE_.IES

UGR TABLE - CORRECTED

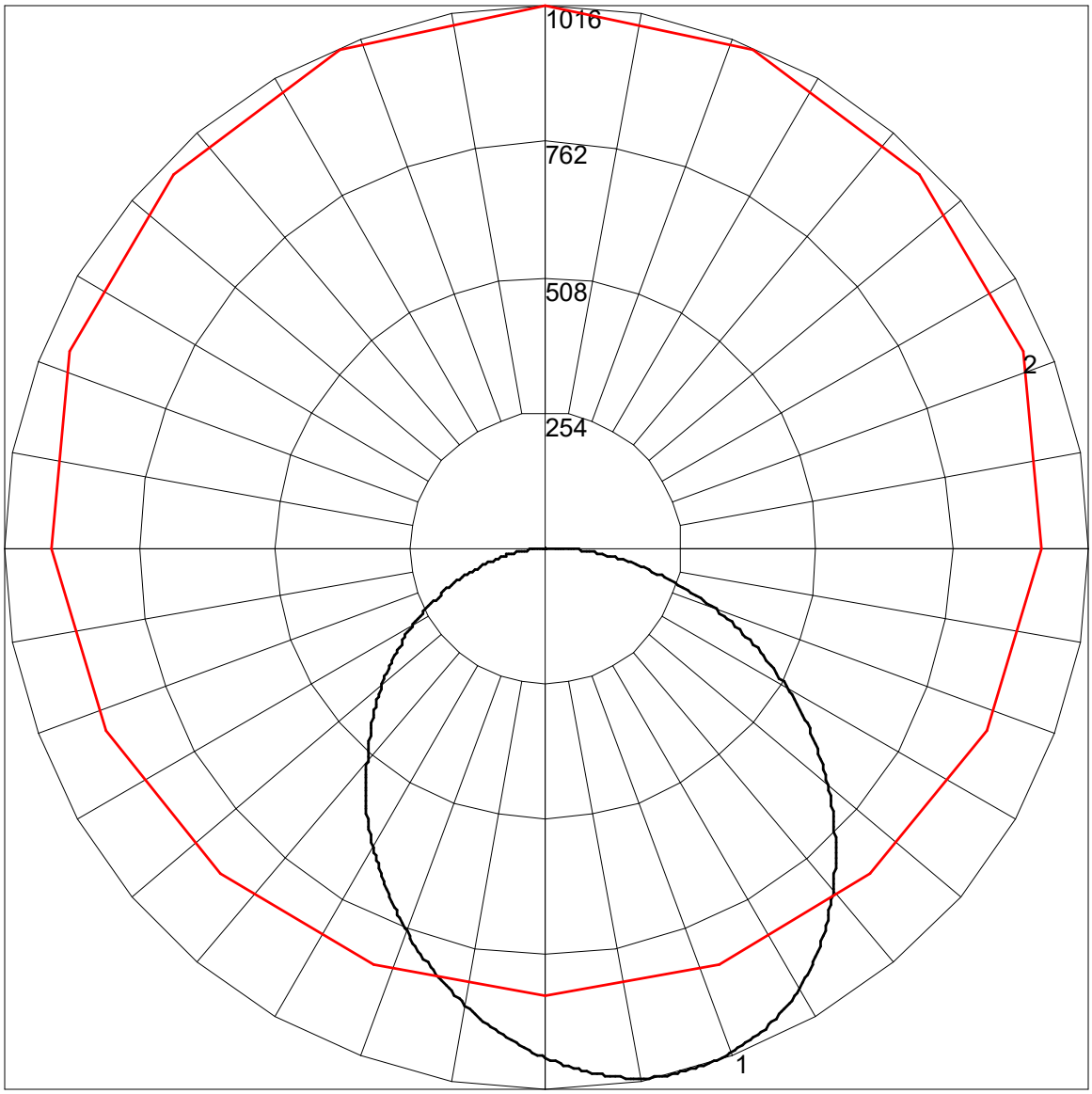
Reflectances											
Ceiling Cavity		70	70	50	50	30	70	70	50	50	30
Walls		50	30	50	30	30	50	30	50	30	30
Floor Cavity		20	20	20	20	20	20	20	20	20	20
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	18.7	20.3	19.0	20.6	20.9	20.4	22.0	20.8	22.3	22.7
	3H	20.5	21.9	20.8	22.3	22.6	22.3	23.8	22.7	24.2	24.5
	4H	21.1	22.5	21.5	22.9	23.2	23.1	24.5	23.5	24.9	25.3
	6H	21.6	22.9	22.0	23.3	23.6	23.8	25.1	24.2	25.4	25.8
	8H	21.7	23.0	22.1	23.4	23.8	24.0	25.2	24.4	25.6	26.0
	12H	21.8	23.0	22.3	23.4	23.8	24.2	25.4	24.6	25.8	26.2
4H	2H	19.4	20.7	19.7	21.1	21.5	21.0	22.4	21.4	22.7	23.1
	3H	21.4	22.6	21.8	22.9	23.3	23.2	24.4	23.6	24.7	25.1
	4H	22.2	23.2	22.6	23.6	24.1	24.1	25.2	24.5	25.6	26.0
	6H	22.8	23.7	23.2	24.1	24.6	24.9	25.8	25.4	26.3	26.7
	8H	22.9	23.8	23.4	24.3	24.7	25.2	26.1	25.7	26.5	27.0
	12H	23.1	23.9	23.6	24.3	24.8	25.4	26.2	25.9	26.7	27.2
8H	4H	22.5	23.4	23.0	23.8	24.3	24.4	25.3	24.9	25.7	26.2
	6H	23.3	24.0	23.8	24.5	24.9	25.4	26.1	25.8	26.6	27.0
	8H	23.5	24.2	24.0	24.7	25.2	25.7	26.4	26.2	26.9	27.4
	12H	23.7	24.3	24.2	24.8	25.4	26.1	26.7	26.6	27.2	27.7
12H	4H	22.6	23.4	23.1	23.8	24.3	24.4	25.2	24.9	25.7	26.2
	6H	23.3	24.0	23.9	24.5	25.0	25.4	26.1	25.9	26.5	27.1
	8H	23.7	24.2	24.2	24.7	25.3	25.9	26.4	26.4	26.9	27.5

Maximum UGR = 27.7

Photometric Toolbox® Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4WD-4-00-P7-835-FASY-POE_.IES

POLAR GRAPH



Maximum Candela = 1015.85 Located At Horizontal Angle = 90, Vertical Angle = 13
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (13) (Through Max. Cd.)