



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-50U-50D-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 12731921.04
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 04-21-2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.64836
[LUMINAIRE] 4' SUSPENDED LED LUMINAIRE
[MORE] WITH FROSTED ACRYLIC LENS
[LUMCAT] SDI5-4-L16-835-DMA-50U-50D-DIM-UNV
[LAMPCAT] HLM 80 CRI, 3500K CCT
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor, Architectural, Classroom, Direct-Indirect
[SEARCH_MOUNTING] Suspended

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6445
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	46
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.67 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.15 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8353	7737	8190
55	8258	7072	7312
65	7742	5805	5807
75	6341	3799	3646
85	2952	1090	997

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	795.431	795.431	795.431	795.431	795.431
0.5	794.804	799.195	793.549	794.176	794.804
1.0	794.804	799.195	793.549	794.176	795.431
1.5	795.431	798.568	793.549	794.804	796.058
2.0	794.804	799.195	794.176	795.431	796.686
2.5	794.804	799.195	794.176	796.058	797.313
3.0	794.804	799.195	794.804	796.686	798.568
3.5	794.804	799.195	795.431	797.940	799.822
4.0	794.804	799.195	796.058	799.195	801.077
4.5	794.804	799.822	796.686	800.450	802.959
5.0	794.176	799.822	797.940	802.332	804.841
5.5	794.804	799.822	798.568	803.586	806.723
6.0	794.804	799.822	799.822	805.468	809.232
6.5	794.804	800.450	801.077	807.350	811.741
7.0	794.804	801.077	802.332	809.232	814.250
7.5	794.176	801.077	803.586	811.741	816.132
8.0	794.176	801.704	804.841	814.250	818.642
8.5	793.549	801.704	806.723	816.760	821.778
9.0	794.176	802.332	807.977	819.269	824.915
9.5	794.176	802.332	809.859	821.778	827.424
10.0	793.549	802.332	811.114	824.287	830.561
10.5	792.922	802.959	812.369	826.797	833.697
11.0	792.922	803.586	814.250	829.933	837.461
11.5	792.922	804.213	815.505	833.070	840.598
12.0	792.922	804.213	817.387	836.206	844.361
12.5	792.922	804.841	819.269	839.343	847.498
13.0	792.922	805.468	821.151	842.479	851.262
13.5	792.295	805.468	823.033	845.616	855.026
14.0	791.667	806.095	824.915	848.753	859.417
14.5	791.040	806.723	826.797	852.516	863.181
15.0	791.040	806.723	828.679	855.653	866.945
15.5	790.413	807.350	831.188	859.417	871.336
16.0	790.413	807.977	832.442	863.181	875.727
16.5	789.785	807.977	834.324	866.317	879.491
17.0	789.785	807.977	836.834	870.081	883.882
17.5	789.158	808.605	838.716	873.845	888.273
18.0	787.903	809.232	840.598	876.982	892.037
18.5	787.903	809.232	842.479	880.745	896.428
19.0	786.649	809.232	844.361	883.882	900.192
19.5	786.021	809.232	846.243	887.646	904.583
20.0	785.394	809.232	848.125	890.782	908.347
20.5	784.139	809.232	850.007	893.919	912.111
21.0	784.139	809.859	851.889	897.056	916.502
21.5	783.512	809.232	853.771	900.819	920.266
22.0	782.258	809.232	855.653	903.956	924.030
22.5	781.630	809.232	856.908	907.093	927.794
23.0	780.376	809.232	858.790	910.856	930.930
23.5	779.121	808.605	860.044	913.366	934.067
24.0	778.494	807.977	861.299	916.502	937.831
24.5	777.239	807.977	862.553	919.639	940.967
25.0	775.984	807.977	863.808	922.148	944.731
25.5	774.730	807.350	865.063	925.285	947.868
26.0	773.475	806.723	866.317	927.794	951.004
26.5	772.221	806.095	866.945	930.303	953.514

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-50U-50D-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	770.339	805.468	867.572	932.185	956.023
27.5	769.084	804.841	868.827	934.067	958.532
28.0	767.202	803.586	869.454	936.576	961.041
28.5	765.947	802.332	870.081	937.831	963.551
29.0	764.066	801.704	870.081	939.713	966.687
29.5	761.556	800.450	870.708	940.967	967.942
30.0	759.674	799.195	870.708	942.222	969.196
30.5	757.792	797.313	870.708	943.477	970.451
31.0	755.910	796.058	870.708	944.104	971.706
31.5	753.401	794.804	870.081	944.731	973.588
32.0	750.265	792.922	869.454	945.359	974.215
32.5	747.755	791.040	868.827	945.359	974.842
33.0	745.873	789.158	868.199	945.986	974.842
33.5	743.364	786.649	866.945	945.359	975.470
34.0	740.855	784.139	865.690	945.359	974.842
34.5	737.091	782.258	864.435	944.104	974.215
35.0	734.582	779.748	863.181	943.477	973.588
35.5	731.445	777.239	861.926	941.595	972.333
36.0	728.309	774.730	860.044	940.967	971.078
36.5	725.172	771.593	857.535	939.085	969.196
37.0	722.036	769.084	855.653	936.576	966.687
37.5	718.899	765.947	853.144	934.067	964.805
38.0	715.135	762.811	850.007	931.558	961.669
38.5	711.999	759.047	847.498	929.048	959.159
39.0	708.235	755.910	844.361	926.539	956.023
39.5	703.216	752.147	841.225	922.775	952.886
40.0	699.452	749.010	837.461	919.639	950.377
40.5	695.689	745.246	833.697	915.875	947.240
41.0	691.925	740.855	829.933	912.111	943.477
41.5	688.161	737.091	825.542	908.347	939.713
42.0	683.770	732.700	821.778	904.583	935.322
42.5	679.378	728.309	817.387	900.192	930.930
43.0	674.360	723.290	812.369	895.801	925.912
43.5	669.341	718.899	807.977	890.782	921.521
44.0	664.950	713.881	803.586	886.391	916.502
44.5	659.932	708.862	798.568	880.745	911.484
45.0	655.541	703.844	792.922	875.727	906.465
45.5	650.522	698.825	787.903	870.081	900.192
46.0	645.504	693.179	782.885	863.808	893.919
46.5	640.485	688.161	777.239	858.162	887.646
47.0	634.839	682.515	770.966	851.889	880.745
47.5	629.194	676.242	765.320	844.361	873.845
48.0	623.673	670.596	759.047	838.088	866.945
48.5	617.965	664.950	752.774	831.188	860.044
49.0	611.942	659.304	745.873	823.660	851.889
49.5	605.858	653.031	739.600	816.132	844.361
50.0	599.898	646.758	732.700	808.605	836.206
50.5	593.813	640.485	725.800	800.450	828.051
51.0	587.603	634.212	718.272	792.295	819.269
51.5	581.706	627.312	710.744	784.139	811.114
52.0	575.307	620.662	703.216	775.357	801.704
52.5	568.658	613.699	695.061	767.202	792.922
53.0	561.883	606.924	687.533	758.420	784.139
53.5	555.359	599.710	679.378	749.010	774.730
54.0	548.647	592.747	671.223	740.228	764.693
54.5	541.495	585.533	663.068	730.818	755.283

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55.0	534.281	578.005	654.286	721.408	745.873
55.5	527.255	570.414	646.131	711.999	735.836
56.0	520.543	562.887	637.349	701.962	725.172
56.5	513.078	554.920	628.566	691.925	715.135
57.0	505.927	546.828	619.157	681.888	704.471
57.5	498.462	538.861	609.998	671.851	693.807
58.0	490.620	530.706	600.588	661.814	683.142
58.5	483.783	522.425	591.178	651.149	672.478
59.0	476.882	513.956	581.831	641.112	661.814
59.5	470.045	505.739	572.359	630.448	650.522
60.0	462.329	497.897	562.761	619.596	639.231
60.5	454.425	489.679	553.038	608.430	627.939
61.0	446.395	481.148	543.126	597.452	616.961
61.5	438.240	472.428	533.152	586.474	605.481
62.0	429.897	464.399	523.617	575.433	594.127
62.5	421.679	455.616	513.956	564.141	582.333
63.0	413.273	447.273	504.233	552.912	570.352
63.5	404.804	438.365	494.008	541.684	558.684
64.0	396.210	429.269	483.720	530.141	547.078
64.5	387.616	419.922	473.307	519.665	535.160
65.0	379.022	410.638	462.830	508.122	523.993
65.5	370.302	401.354	452.605	496.454	512.200
66.0	361.645	392.070	442.568	484.849	500.281
66.5	352.863	382.660	432.280	473.244	488.111
67.0	344.206	373.188	421.616	461.450	476.129
67.5	335.549	363.715	410.826	449.469	463.897
68.0	326.767	354.117	399.848	437.424	451.288
68.5	317.796	344.520	389.059	426.635	438.742
69.0	308.888	335.110	378.143	414.590	427.387
69.5	300.043	325.512	367.291	402.358	415.155
70.0	291.198	315.851	356.313	390.125	402.483
70.5	282.227	306.065	345.272	377.893	389.686
71.0	273.194	296.279	334.043	365.660	377.014
71.5	264.161	286.556	322.815	353.427	364.405
72.0	255.253	276.895	311.711	341.195	351.671
72.5	246.283	267.172	300.608	328.899	339.062
73.0	237.187	257.511	289.504	316.667	326.516
73.5	228.090	247.725	278.338	304.434	313.844
74.0	219.057	238.002	267.235	292.202	301.110
74.5	210.149	228.279	256.194	280.095	288.501
75.0	201.179	218.555	245.153	267.925	276.080
75.5	192.271	208.895	234.238	256.006	263.910
76.0	183.300	199.234	223.386	244.150	251.677
76.5	174.393	189.636	212.596	232.293	239.445
77.0	165.548	180.101	201.932	220.563	227.338
77.5	156.702	170.629	191.330	208.895	215.419
78.0	147.920	161.282	180.791	197.415	203.563
78.5	139.326	151.998	170.441	186.061	191.895
79.0	130.794	142.839	160.153	174.769	180.352
79.5	122.388	133.806	149.990	163.666	168.872
80.0	114.108	124.772	139.953	152.750	157.581
80.5	105.827	115.990	130.104	141.961	146.540
81.0	97.735	107.270	120.444	131.422	135.687
81.5	89.768	98.802	110.846	121.071	125.086
82.0	82.052	90.458	101.624	111.034	114.610
82.5	74.525	82.303	92.591	101.185	104.447

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83.0	67.122	74.462	83.746	91.587	94.536
83.5	59.908	66.809	75.215	82.303	85.001
84.0	53.008	59.406	66.934	73.458	75.842
84.5	46.296	52.255	59.093	64.927	67.060
85.0	39.960	45.480	51.628	56.897	58.716
85.5	33.812	39.019	44.602	49.307	50.875
86.0	27.978	32.934	38.015	42.344	43.598
86.5	22.520	27.225	31.930	35.882	36.823
87.0	17.502	22.081	26.284	29.923	30.613
87.5	12.985	17.439	21.329	24.214	24.528
88.0	9.159	13.424	16.561	18.506	18.506
88.5	6.085	9.849	12.170	14.240	14.365
89.0	3.764	6.963	9.159	11.668	11.605
89.5	2.321	5.144	7.716	10.037	9.849
90.0	1.568	4.893	7.277	9.661	9.159
90.5	3.199	5.646	5.207	4.391	4.078
91.0	5.458	10.539	9.221	8.092	7.779
91.5	8.594	17.188	15.432	13.174	12.609
92.0	12.170	24.402	24.026	19.635	18.380
92.5	15.557	30.738	34.439	28.856	26.912
93.0	19.635	36.259	45.731	40.901	38.517
93.5	25.281	42.218	57.399	54.513	51.753
94.0	31.930	48.868	68.502	68.565	65.680
94.5	38.831	56.082	78.979	82.491	80.484
95.0	45.794	63.609	89.455	96.543	95.979
95.5	52.757	71.576	100.558	110.971	111.787
96.0	59.971	79.857	112.289	125.713	127.846
96.5	67.185	88.514	124.584	140.831	144.407
97.0	74.399	97.421	137.444	156.828	161.219
97.5	81.613	106.580	150.555	172.636	178.470
98.0	88.827	115.927	164.105	189.009	196.160
98.5	96.167	125.400	177.592	205.884	214.164
99.0	103.569	134.997	191.455	223.009	232.607
99.5	111.034	144.721	205.507	240.511	251.238
100.0	118.562	154.507	220.312	259.268	269.995
100.5	126.027	164.481	234.050	278.777	289.002
101.0	133.680	174.455	248.729	296.969	308.261
101.5	141.333	184.618	264.286	313.907	327.582
102.0	148.924	194.592	278.150	330.781	347.154
102.5	156.640	204.504	292.264	349.036	366.789
103.0	164.481	214.980	307.947	368.169	386.549
103.5	172.260	225.017	323.944	387.867	406.372
104.0	180.164	234.740	337.933	406.749	426.133
104.5	187.943	244.965	351.232	425.004	445.579
105.0	195.784	255.629	365.534	442.694	464.775
105.5	203.500	265.541	381.029	459.757	483.532
106.0	211.279	275.013	396.775	476.067	501.724
106.5	219.057	284.799	411.516	492.565	520.982
107.0	226.710	294.962	424.753	509.816	540.115
107.5	234.426	305.563	437.550	527.632	558.935
108.0	242.080	315.350	450.535	544.695	577.566
108.5	249.607	324.446	463.270	561.632	596.009
109.0	257.072	333.416	475.941	579.071	614.326
109.5	264.475	342.575	488.989	596.573	632.330
110.0	271.877	352.110	502.226	614.075	649.895
110.5	279.091	361.896	515.399	631.075	667.460

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111.0	286.242	371.494	527.632	647.386	685.024
111.5	293.205	380.653	539.049	663.696	701.334
112.0	300.106	389.059	550.215	680.006	718.272
112.5	307.006	396.837	561.193	695.061	734.582
113.0	313.907	404.679	572.045	710.117	750.265
113.5	320.682	412.583	583.149	723.918	765.947
114.0	327.268	420.738	594.252	738.346	781.003
114.5	333.792	428.830	605.356	752.147	796.058
115.0	340.191	436.985	616.271	764.693	810.487
115.5	346.464	445.015	626.747	777.239	824.287
116.0	352.549	452.605	637.349	789.785	838.088
116.5	358.571	459.882	647.386	801.077	851.889
117.0	364.656	466.218	656.795	812.369	865.063
117.5	370.741	472.428	665.578	823.660	877.609
118.0	376.512	478.576	673.733	834.324	890.155
118.5	382.284	483.845	681.260	844.361	902.074
119.0	387.741	489.554	688.788	854.398	913.366
119.5	392.948	495.012	695.689	863.808	923.403
120.0	398.029	500.720	702.589	873.218	934.067
120.5	402.985	506.617	708.862	881.373	943.477
121.0	407.878	512.325	715.763	889.528	952.886
121.5	412.708	517.971	722.036	897.683	961.669
122.0	417.476	523.429	728.309	905.211	970.451
122.5	422.118	528.635	733.955	912.738	977.979
123.0	426.446	533.717	739.600	919.011	986.134
123.5	430.712	538.296	745.246	925.285	992.407
124.0	434.790	542.750	750.265	931.558	999.307
124.5	438.993	546.577	755.283	936.576	1004.953
125.0	443.258	550.278	759.674	941.595	1010.599
125.5	446.960	553.602	764.066	946.613	1015.617
126.0	450.598	556.802	768.457	950.377	1020.009
126.5	453.985	560.064	772.221	954.141	1023.773
127.0	457.310	563.075	775.357	957.277	1028.164
127.5	460.509	566.086	778.494	959.787	1030.673
128.0	463.583	568.721	781.630	962.923	1032.555
128.5	466.406	571.167	783.512	964.805	1035.064
129.0	469.292	573.488	785.394	966.687	1036.946
129.5	471.927	575.621	786.649	968.569	1038.201
130.0	474.436	577.817	788.531	969.196	1040.083
130.5	476.820	579.824	789.158	970.451	1041.337
131.0	479.078	581.643	789.785	971.078	1041.965
131.5	481.211	583.588	790.413	971.706	1041.965
132.0	483.155	584.780	790.413	971.706	1041.965
132.5	485.100	586.223	790.413	971.078	1040.710
133.0	486.857	587.477	790.413	970.451	1039.455
133.5	488.362	588.544	789.785	969.196	1038.828
134.0	489.930	589.359	789.785	967.942	1037.573
134.5	491.373	590.300	789.158	966.060	1035.691
135.0	492.816	590.865	788.531	964.178	1033.809
135.5	494.196	591.178	787.276	961.669	1031.928
136.0	495.200	591.367	786.021	959.159	1029.418
136.5	496.015	590.990	784.139	956.650	1025.654
137.0	496.768	590.739	782.258	953.514	1022.518
137.5	497.521	590.237	780.376	950.377	1018.127
138.0	498.085	589.673	778.494	946.613	1014.363
138.5	498.587	589.108	775.984	942.849	1010.599

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-50U-50D-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	499.026	588.105	774.102	939.085	1006.208
139.5	499.277	586.975	771.593	934.694	1001.817
140.0	499.465	586.097	768.457	930.930	996.798
140.5	499.465	585.219	765.320	925.912	991.152
141.0	499.340	584.027	762.811	921.521	986.134
141.5	499.089	582.710	759.674	916.502	979.861
142.0	498.775	581.518	756.538	912.111	973.588
142.5	498.525	579.824	753.401	907.093	967.314
143.0	498.211	578.381	749.637	902.074	960.414
143.5	497.646	576.562	745.873	895.801	954.141
144.0	496.956	574.429	742.110	890.155	947.868
144.5	496.266	572.673	737.718	884.509	940.967
145.0	495.576	570.728	733.327	878.236	934.067
145.5	494.886	568.972	729.563	872.590	927.167
146.0	494.008	566.525	725.172	865.690	919.639
146.5	492.941	564.392	720.154	858.790	912.111
147.0	491.812	562.259	715.763	852.516	904.583
147.5	490.558	559.876	710.744	845.616	897.056
148.0	489.366	556.990	705.726	838.716	888.901
148.5	488.174	554.355	700.707	831.188	881.373
149.0	486.982	552.034	695.689	823.660	873.218
149.5	485.665	549.337	690.043	816.132	865.063
150.0	484.034	546.514	685.024	808.605	856.908
150.5	482.465	543.879	679.378	801.077	848.125
151.0	480.709	541.056	673.733	793.549	839.343
151.5	479.015	538.484	668.087	785.394	830.561
152.0	477.384	535.724	662.441	777.239	822.405
152.5	475.753	532.713	656.168	769.084	813.623
153.0	474.122	529.514	650.522	760.929	804.841
153.5	472.617	526.503	644.249	752.147	795.431
154.0	470.860	523.429	637.976	743.364	785.394
154.5	469.041	520.167	631.703	734.582	775.984
155.0	467.222	516.842	625.304	725.800	765.947
155.5	465.277	513.455	618.906	717.017	756.538
156.0	463.332	509.816	612.570	708.235	746.501
156.5	461.199	506.617	606.359	698.825	737.091
157.0	459.255	503.041	599.961	690.043	727.681
157.5	457.310	499.528	593.311	681.260	718.272
158.0	455.554	496.015	586.599	671.851	707.607
158.5	453.672	492.377	580.075	662.441	697.570
159.0	451.915	489.052	573.551	653.031	687.533
159.5	450.096	485.978	566.901	644.249	677.497
160.0	448.214	482.716	560.189	634.839	666.832
160.5	446.269	479.642	553.540	625.806	656.168
161.0	444.388	476.318	546.828	616.585	646.758
161.5	442.506	473.997	540.303	607.489	636.094
162.0	440.749	470.797	533.842	598.455	625.430
162.5	438.930	467.473	527.444	589.422	615.204
163.0	437.236	464.273	520.982	580.577	605.105
163.5	435.542	461.137	514.772	571.481	595.068
164.0	433.786	457.875	508.624	562.573	585.094
164.5	432.092	454.801	502.728	553.853	575.245
165.0	430.273	451.727	497.019	545.573	565.521
165.5	428.705	448.779	491.248	537.104	555.673
166.0	427.387	445.956	486.104	528.635	546.012
166.5	425.819	443.196	481.148	520.794	536.728

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-50U-50D-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	424.188	440.561	476.067	512.953	527.820
167.5	422.745	438.052	471.801	505.237	519.289
168.0	421.428	435.605	466.783	497.834	510.569
168.5	420.236	433.284	461.952	490.683	502.790
169.0	419.044	431.026	457.436	484.661	494.949
169.5	417.852	428.830	452.982	478.074	487.107
170.0	416.535	426.697	448.653	472.428	480.646
170.5	415.406	424.627	444.450	466.343	475.063
171.0	414.402	422.683	440.498	460.447	468.288
171.5	413.398	420.926	436.734	454.864	462.140
172.0	412.520	419.232	433.221	449.531	456.118
172.5	411.579	417.601	429.771	444.450	450.284
173.0	410.764	415.970	426.446	439.557	444.827
173.5	410.011	414.402	423.310	434.852	439.557
174.0	409.195	413.085	420.299	430.461	434.476
174.5	408.443	411.893	417.601	426.321	429.646
175.0	407.878	410.764	415.092	422.620	425.317
175.5	407.376	409.634	412.834	419.232	421.302
176.0	406.874	408.631	410.764	416.159	417.790
176.5	406.498	407.690	409.070	413.461	414.653
177.0	406.122	406.874	407.502	411.203	412.018
177.5	405.871	406.184	406.122	409.258	409.760
178.0	405.557	405.620	405.118	407.564	407.815
178.5	405.243	405.181	404.240	406.184	406.247
179.0	404.992	404.930	403.550	405.181	404.992
179.5	404.679	404.741	403.048	404.616	404.240
180.0	404.051	404.051	404.051	404.051	404.051

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-50U-50D-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	312.72	N.A.	4.90
0-30	712.03	N.A.	11.00
0-40	1249.9	N.A.	19.40
0-60	2435.23	N.A.	37.80
0-80	3144.37	N.A.	48.80
0-90	3207.18	N.A.	49.80
10-90	3130.41	N.A.	48.60
20-40	937.19	N.A.	14.50
20-50	1544.25	N.A.	24.00
40-70	1637.74	N.A.	25.40
60-80	709.14	N.A.	11.00
70-80	256.72	N.A.	4.00
80-90	62.81	N.A.	1.00
90-110	460.85	N.A.	7.20
90-120	1048.76	N.A.	16.30
90-130	1711.34	N.A.	26.60
90-150	2764.87	N.A.	42.90
90-180	3237.94	N.A.	50.20
110-180	2777.09	N.A.	43.10
0-180	6445.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	76.77
10-20	235.95
20-30	399.31
30-40	537.87
40-50	607.06
50-60	578.26
60-70	452.42
70-80	256.72
80-90	62.81
90-100	94.95
100-110	365.90
110-120	587.92
120-130	662.58
130-140	598.75
140-150	454.78
150-160	288.80
160-170	143.47
170-180	40.80

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-50U-50D-DIM-UNV_.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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	97	93	89	85	90	86	82	79	72	70	67	60	58	57	49	47	46	41
2	88	80	74	69	81	74	69	64	63	59	55	52	49	46	42	40	38	34
3	80	70	63	56	73	65	58	53	55	50	46	46	42	39	37	34	32	28
4	73	62	53	47	67	57	50	44	48	43	38	40	36	33	33	29	27	23
5	67	55	46	40	61	51	43	38	43	37	33	36	31	28	29	26	23	20
6	61	49	40	34	56	45	38	32	38	32	28	32	27	24	26	23	20	17
7	56	44	36	30	52	41	33	28	35	29	24	29	24	21	24	20	17	15
8	52	40	32	26	48	37	30	25	31	26	21	26	22	18	22	18	15	13
9	49	36	28	23	45	33	26	22	29	23	19	24	20	16	20	16	14	12
10	45	33	25	21	42	31	24	19	26	21	17	22	18	15	18	15	12	10

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-50U-50D-DIM-UNV_.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

X=2H	Y=2H	14.2	15.1	15.2	16.1	17.4	16.9	17.8	17.8	18.7	20.0
	3H	15.7	16.5	16.6	17.4	18.7	18.7	19.5	19.7	20.5	21.8
	4H	16.1	16.8	17.1	17.8	19.1	19.3	20.1	20.3	21.1	22.4
	6H	16.3	17.0	17.3	18.0	19.3	19.7	20.4	20.7	21.4	22.7
	8H	16.3	17.0	17.3	18.0	19.3	19.8	20.5	20.8	21.5	22.8
	12H	16.3	16.9	17.3	17.9	19.3	19.8	20.5	20.8	21.5	22.8

UGR Viewed Endwise

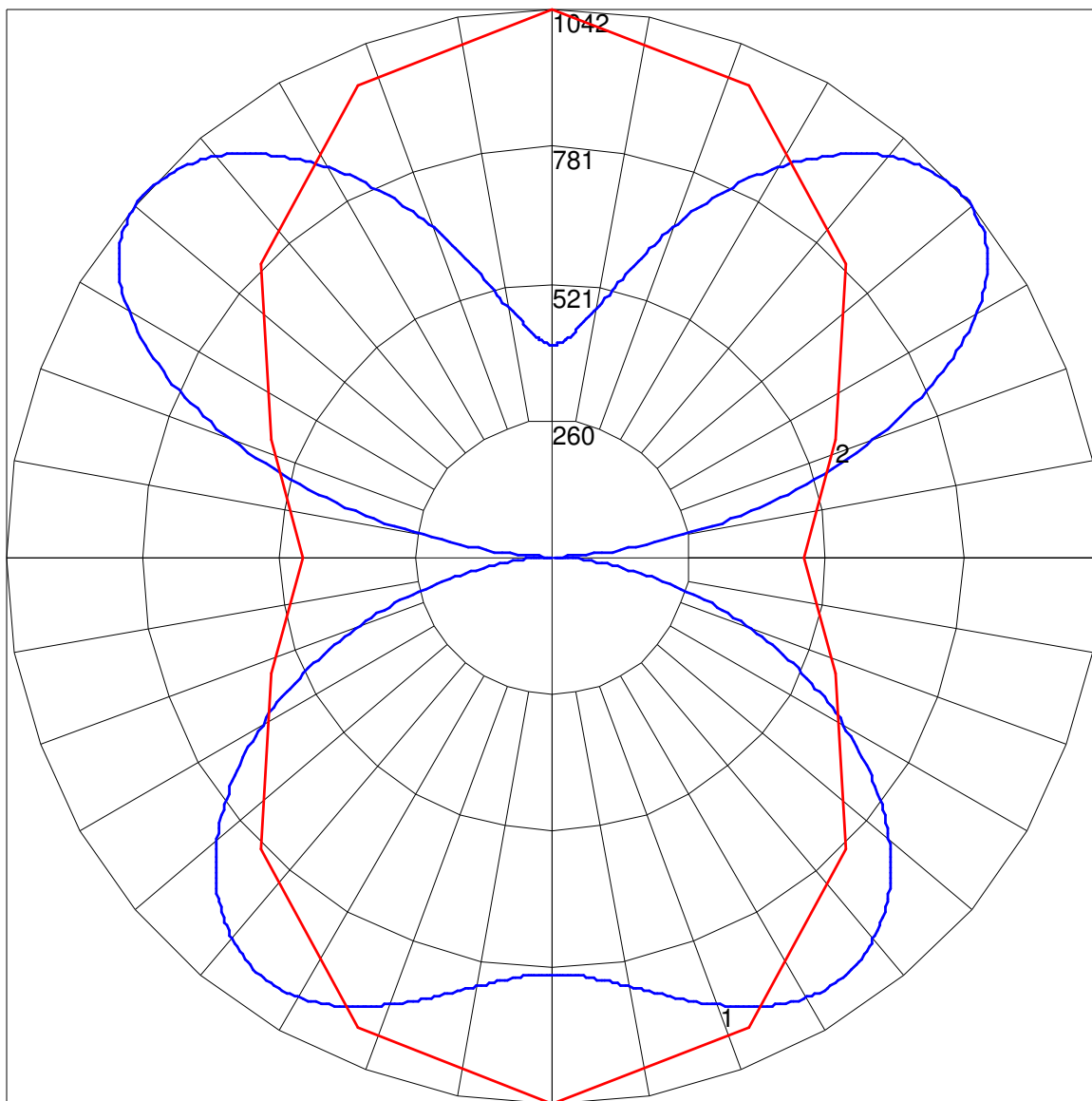
4H	2H	15.0	15.8	16.0	16.8	18.1	17.1	17.9	18.1	18.9	20.2
	3H	16.6	17.3	17.6	18.3	19.6	19.1	19.8	20.1	20.8	22.1
	4H	17.1	17.7	18.1	18.7	20.0	19.8	20.4	20.8	21.4	22.8
	6H	17.4	17.9	18.4	18.9	20.3	20.4	20.9	21.4	21.9	23.2
	8H	17.5	17.9	18.5	18.9	20.3	20.5	20.9	21.5	22.0	23.3
	12H	17.4	17.9	18.5	18.9	20.3	20.5	21.0	21.6	22.0	23.3

8H	4H	17.4	17.9	18.4	18.9	20.3	19.9	20.4	20.9	21.4	22.7
	6H	17.8	18.2	18.8	19.3	20.6	20.5	20.9	21.5	21.9	23.3
	8H	17.9	18.2	18.9	19.3	20.6	20.6	21.0	21.7	22.0	23.4
	12H	17.9	18.2	18.9	19.2	20.6	20.7	21.0	21.8	22.1	23.5

12H	4H	17.4	17.9	18.5	18.9	20.3	19.9	20.3	20.9	21.3	22.7
	6H	17.8	18.2	18.9	19.2	20.6	20.4	20.8	21.5	21.8	23.2
	8H	17.9	18.2	19.0	19.3	20.7	20.6	20.9	21.7	22.0	23.4

Maximum UGR = 23.5

POLAR GRAPH



Maximum Candela = 1041.965 Located At Horizontal Angle = 90, Vertical Angle = 131
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (131) (Through Max. Cd.)