



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-10U-90D-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 12731921.06
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 04-21-2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.64836
[LUMINAIRE] 8' SUSPENDED LED LUMINAIRE
[MORE] WITH FROSTED ACRYLIC LENS
[LUMCAT] SDI5-8-L16-835-DMA-10U-90D-DIM-UNV
[LAMPCAT] 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	11667
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	86
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.90 ft
Luminous Width (90-270)	0.40 ft
Luminous Height	0.15 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11859	9319	8571
55	11115	8028	7168
65	10053	6431	5560
75	8263	4268	3526
85	4519	1354	1041

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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	3976.502	3976.502	3976.502	3976.502	3976.502
0.5	3970.228	3994.070	3963.954	3971.483	3979.012
1.0	3968.973	3992.815	3963.954	3970.228	3979.012
1.5	3967.719	3992.815	3962.699	3970.228	3977.757
2.0	3966.464	3991.560	3961.445	3967.719	3976.502
2.5	3965.209	3989.050	3958.935	3966.464	3973.993
3.0	3961.445	3986.541	3956.425	3965.209	3971.483
3.5	3960.190	3982.776	3952.661	3962.699	3967.719
4.0	3957.680	3979.012	3948.896	3960.190	3963.954
4.5	3953.916	3975.247	3945.132	3955.170	3960.190
5.0	3950.151	3971.483	3941.367	3950.151	3955.170
5.5	3945.132	3966.464	3936.348	3945.132	3950.151
6.0	3940.113	3961.445	3931.329	3940.113	3946.387
6.5	3935.093	3956.425	3926.310	3933.839	3940.113
7.0	3928.819	3950.151	3920.036	3927.565	3935.093
7.5	3922.545	3943.877	3915.016	3921.290	3928.819
8.0	3915.016	3937.603	3907.488	3913.762	3921.290
8.5	3907.488	3930.074	3901.213	3906.233	3912.507
9.0	3898.704	3922.545	3893.685	3898.704	3903.723
9.5	3891.175	3915.016	3886.156	3891.175	3894.939
10.0	3883.646	3906.233	3877.372	3881.136	3886.156
10.5	3876.117	3897.449	3868.588	3872.353	3876.117
11.0	3867.334	3888.665	3858.550	3862.314	3864.824
11.5	3856.040	3879.882	3848.511	3852.276	3854.785
12.0	3844.747	3869.843	3838.473	3840.982	3844.747
12.5	3834.708	3858.550	3828.434	3829.689	3834.708
13.0	3824.670	3848.511	3817.141	3819.651	3823.415
13.5	3813.377	3835.963	3805.848	3807.103	3809.612
14.0	3802.083	3824.670	3793.300	3795.809	3798.319
14.5	3790.790	3812.122	3780.751	3783.261	3787.026
15.0	3778.242	3799.574	3768.203	3770.713	3771.968
15.5	3765.694	3788.280	3754.400	3756.910	3758.165
16.0	3751.891	3775.732	3741.852	3743.107	3744.362
16.5	3738.088	3761.929	3726.794	3728.049	3730.559
17.0	3724.285	3746.871	3711.737	3714.246	3716.756
17.5	3709.227	3731.814	3696.679	3699.189	3701.698
18.0	3695.424	3718.011	3682.876	3684.131	3686.640
18.5	3680.366	3701.698	3666.563	3667.818	3669.073
19.0	3664.054	3686.640	3651.506	3651.506	3652.761
19.5	3647.741	3670.328	3636.448	3636.448	3636.448
20.0	3631.429	3654.015	3620.135	3617.626	3620.135
20.5	3615.116	3637.703	3602.568	3600.058	3602.568
21.0	3600.058	3621.390	3585.001	3582.491	3585.001
21.5	3583.746	3603.823	3568.688	3564.924	3567.433
22.0	3566.178	3586.255	3551.121	3546.101	3548.611
22.5	3547.356	3568.688	3533.553	3528.534	3528.534
23.0	3529.789	3549.866	3514.731	3509.712	3509.712
23.5	3512.221	3531.044	3495.909	3490.890	3488.380
24.0	3493.399	3512.221	3475.832	3472.067	3468.303
24.5	3475.832	3493.399	3457.010	3451.990	3446.971
25.0	3457.010	3473.322	3436.933	3431.913	3426.894
25.5	3436.933	3454.500	3418.110	3411.836	3405.562
26.0	3416.856	3434.423	3398.033	3390.505	3385.485
26.5	3398.033	3414.346	3377.956	3369.173	3364.154

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CANDELA TABULATION - (Cont.)

27.0	3376.702	3393.014	3355.370	3347.841	3342.822
27.5	3355.370	3371.682	3334.038	3326.509	3321.490
28.0	3334.038	3350.351	3312.706	3303.923	3300.158
28.5	3312.706	3327.764	3290.120	3281.336	3277.571
29.0	3290.120	3306.432	3267.533	3258.749	3254.985
29.5	3268.788	3283.846	3246.201	3236.163	3232.398
30.0	3246.201	3262.514	3223.614	3212.321	3208.557
30.5	3222.360	3239.927	3199.773	3189.735	3184.715
31.0	3199.773	3217.340	3177.186	3165.893	3160.874
31.5	3177.186	3193.499	3153.345	3143.306	3137.032
32.0	3153.345	3169.658	3129.504	3118.210	3113.191
32.5	3130.758	3145.816	3105.662	3094.369	3088.095
33.0	3106.917	3121.975	3080.566	3069.272	3064.253
33.5	3083.075	3098.133	3055.470	3044.176	3039.157
34.0	3057.979	3073.037	3031.628	3019.080	3014.061
34.5	3035.393	3047.941	3006.532	2993.984	2986.455
35.0	3010.296	3022.844	2981.436	2968.887	2960.104
35.5	2986.455	2997.748	2956.339	2942.536	2932.498
36.0	2962.613	2972.652	2931.243	2916.185	2906.147
36.5	2937.517	2947.556	2906.147	2891.089	2879.796
37.0	2912.421	2922.459	2879.796	2863.483	2852.190
37.5	2886.070	2896.108	2854.699	2837.132	2824.584
38.0	2859.719	2869.757	2827.094	2809.526	2796.978
38.5	2834.622	2843.406	2800.743	2780.666	2769.372
39.0	2808.271	2817.055	2773.137	2754.314	2741.766
39.5	2781.920	2790.704	2746.786	2725.454	2714.160
40.0	2755.569	2764.353	2719.180	2697.848	2686.555
40.5	2729.218	2738.002	2691.574	2670.242	2658.949
41.0	2701.612	2710.396	2665.223	2642.636	2631.343
41.5	2674.006	2681.535	2637.617	2615.030	2604.992
42.0	2647.655	2655.184	2608.756	2587.424	2577.386
42.5	2621.304	2626.324	2581.150	2559.818	2551.035
43.0	2593.698	2598.718	2553.544	2533.467	2522.174
43.5	2566.092	2571.112	2525.938	2504.607	2494.568
44.0	2538.487	2542.251	2497.078	2477.001	2466.962
44.5	2512.136	2514.645	2469.472	2449.395	2439.356
45.0	2484.530	2485.784	2441.866	2421.789	2413.005
45.5	2456.924	2458.179	2414.260	2394.183	2384.145
46.0	2429.318	2428.063	2385.399	2366.577	2356.539
46.5	2400.457	2399.202	2357.794	2337.717	2327.678
47.0	2372.851	2371.596	2328.933	2310.111	2298.817
47.5	2343.991	2342.736	2301.327	2281.250	2268.702
48.0	2315.130	2313.875	2272.466	2252.389	2239.841
48.5	2286.269	2286.269	2243.606	2223.529	2210.980
49.0	2257.409	2256.154	2214.745	2194.668	2182.120
49.5	2228.548	2227.293	2185.884	2165.807	2153.259
50.0	2199.687	2198.432	2157.023	2136.946	2123.144
50.5	2169.572	2169.572	2129.418	2106.831	2093.028
51.0	2140.711	2140.711	2099.302	2076.715	2064.167
51.5	2110.595	2111.850	2070.441	2047.855	2034.052
52.0	2081.735	2081.735	2041.581	2017.739	2003.936
52.5	2051.619	2052.874	2011.465	1988.879	1973.821
53.0	2022.758	2022.758	1982.604	1958.763	1944.960
53.5	1992.643	1992.643	1952.489	1928.648	1914.845
54.0	1962.527	1963.782	1922.373	1899.787	1885.984
54.5	1933.667	1933.667	1893.513	1869.671	1855.868

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55.0	1903.551	1903.551	1863.397	1839.556	1825.753
55.5	1873.436	1873.436	1833.282	1809.440	1795.637
56.0	1843.320	1842.065	1803.166	1779.325	1766.777
56.5	1813.205	1811.950	1773.051	1750.464	1736.661
57.0	1783.089	1780.580	1741.680	1720.349	1707.800
57.5	1751.719	1750.464	1711.565	1690.233	1676.430
58.0	1721.603	1719.094	1681.449	1660.118	1646.315
58.5	1691.488	1687.723	1650.079	1630.002	1616.199
59.0	1660.118	1656.353	1619.964	1599.887	1587.338
59.5	1628.747	1624.983	1589.848	1569.771	1557.223
60.0	1597.377	1593.612	1559.733	1539.655	1527.107
60.5	1566.007	1563.497	1528.362	1509.540	1495.737
61.0	1534.636	1532.127	1498.247	1478.170	1465.622
61.5	1503.266	1500.756	1468.131	1448.054	1435.506
62.0	1473.150	1469.386	1438.016	1417.939	1405.391
62.5	1441.780	1438.016	1406.645	1387.823	1375.275
63.0	1410.410	1406.645	1376.530	1357.708	1345.159
63.5	1377.785	1376.530	1346.414	1327.592	1315.044
64.0	1346.414	1345.159	1316.299	1297.477	1284.928
64.5	1315.044	1313.789	1284.928	1266.106	1254.437
65.0	1284.928	1281.164	1254.813	1236.493	1223.945
65.5	1253.307	1250.547	1224.196	1206.628	1194.456
66.0	1222.439	1219.427	1193.578	1176.136	1164.090
66.5	1190.692	1188.057	1162.835	1146.523	1134.351
67.0	1159.824	1157.063	1132.343	1116.031	1104.486
67.5	1129.081	1125.442	1101.600	1085.664	1074.371
68.0	1096.957	1094.197	1070.983	1055.549	1044.883
68.5	1066.089	1062.576	1039.989	1025.935	1017.277
69.0	1034.844	1031.205	1010.626	997.576	987.287
69.5	1004.478	1001.090	981.013	967.335	956.795
70.0	974.864	970.723	950.270	937.094	926.679
70.5	943.117	939.729	919.401	906.728	897.191
71.0	913.253	909.865	890.164	878.495	868.582
71.5	882.510	879.122	860.551	848.630	838.466
72.0	851.516	847.626	830.310	818.389	808.476
72.5	820.522	816.381	799.818	788.273	778.360
73.0	789.277	785.387	769.702	758.534	748.496
73.5	758.283	754.519	739.461	728.544	718.631
74.0	726.913	723.902	709.220	698.554	689.143
74.5	695.919	693.159	679.356	669.066	659.781
75.0	665.051	662.541	649.617	639.829	630.794
75.5	635.186	632.426	620.129	610.717	602.185
76.0	605.447	602.561	590.891	581.731	573.450
76.5	575.708	572.948	561.905	552.996	544.965
77.0	545.969	543.710	533.170	524.512	516.857
77.5	516.230	514.724	504.560	496.404	489.001
78.0	487.369	486.115	476.452	468.798	461.771
78.5	458.885	457.630	448.721	441.569	434.793
79.0	431.028	429.648	421.366	414.841	408.442
79.5	403.673	402.168	394.388	388.365	382.216
80.0	376.444	374.938	368.037	362.515	356.492
80.5	349.591	348.336	342.187	336.917	331.522
81.0	323.240	322.236	316.966	312.323	306.927
81.5	297.516	296.638	292.497	288.231	283.211
82.0	272.545	271.918	268.530	264.766	259.997
82.5	248.327	247.951	245.316	242.053	237.411

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CANDELA TABULATION - (Cont.)

83.0	224.612	224.737	222.855	219.969	215.577
83.5	201.774	202.150	201.147	198.762	194.621
84.0	179.940	180.693	180.442	178.560	174.795
84.5	158.985	160.114	160.616	158.985	155.722
85.0	138.782	140.539	141.794	140.665	137.653
85.5	119.584	122.093	123.976	123.223	120.462
86.0	101.389	104.275	106.910	106.785	104.400
86.5	84.072	87.586	90.848	91.225	88.966
87.0	67.885	71.775	75.791	76.669	74.787
87.5	52.828	56.843	61.360	62.741	60.984
88.0	38.899	43.040	47.432	49.189	47.181
88.5	25.849	29.990	33.880	35.135	32.751
89.0	13.928	17.944	21.332	23.590	22.712
89.5	5.145	9.035	13.176	15.058	14.305
90.0	1.506	2.886	4.643	5.145	4.392
90.5	5.521	8.031	7.152	5.396	2.886
91.0	5.898	7.780	7.027	5.145	3.012
91.5	6.525	8.407	7.529	5.647	3.388
92.0	7.152	9.286	8.156	6.149	4.015
92.5	7.905	10.164	9.035	7.027	4.768
93.0	8.909	11.042	10.164	8.156	5.898
93.5	10.164	12.172	11.419	9.411	7.278
94.0	11.293	13.426	12.799	10.791	8.784
94.5	12.674	14.807	14.179	12.423	10.415
95.0	14.305	16.438	15.811	14.054	12.172
95.5	16.313	18.320	17.693	15.811	14.054
96.0	18.446	20.328	19.450	17.693	15.936
96.5	20.579	22.461	21.457	19.701	17.818
97.0	22.963	24.720	23.465	21.708	19.952
97.5	25.473	26.978	25.598	23.967	22.210
98.0	28.108	29.488	27.857	26.226	24.469
98.5	30.743	31.998	30.241	28.484	26.853
99.0	33.504	34.507	32.625	30.868	29.237
99.5	36.390	37.142	35.135	33.378	31.747
100.0	39.276	39.903	37.644	35.888	34.256
100.5	42.413	42.789	40.405	38.397	36.892
101.0	45.424	45.550	43.040	41.032	39.527
101.5	48.561	48.561	45.801	43.793	42.162
102.0	51.824	51.573	48.687	46.428	44.922
102.5	54.961	54.584	51.573	49.189	47.683
103.0	58.223	57.721	54.459	52.075	50.569
103.5	61.611	60.858	57.470	54.835	53.330
104.0	64.874	64.121	60.357	57.847	56.216
104.5	68.387	67.383	63.368	60.733	59.102
105.0	71.775	70.646	66.505	63.619	61.988
105.5	75.289	73.908	69.517	66.631	64.999
106.0	78.802	77.296	72.654	69.517	67.885
106.5	82.316	80.684	75.791	72.528	70.897
107.0	85.829	84.072	78.928	75.540	73.908
107.5	89.343	87.460	81.939	78.551	76.920
108.0	92.982	90.974	85.076	81.563	80.057
108.5	96.495	94.362	88.213	84.700	83.069
109.0	100.134	97.875	91.350	87.711	86.080
109.5	103.648	101.389	94.487	90.723	89.092
110.0	107.287	105.028	97.624	93.860	92.229
110.5	110.800	108.541	100.761	96.872	95.366

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111.0	114.313	112.055	103.899	100.009	98.377
111.5	117.827	115.568	107.161	103.146	101.514
112.0	121.466	119.082	110.298	106.157	104.526
112.5	124.979	122.721	113.435	109.294	107.663
113.0	128.493	126.234	116.698	112.431	110.800
113.5	132.132	129.748	119.835	115.443	113.812
114.0	135.645	133.261	122.972	118.580	116.823
114.5	139.159	136.775	126.109	121.591	119.960
115.0	142.798	140.288	129.371	124.603	122.972
115.5	146.186	143.802	132.508	127.614	126.109
116.0	149.825	147.315	135.771	130.752	129.246
116.5	153.338	150.829	139.033	133.638	132.132
117.0	156.852	154.467	142.296	136.775	135.143
117.5	160.365	157.981	145.433	139.912	138.029
118.0	163.879	161.494	148.570	142.923	140.915
118.5	167.392	165.008	151.832	146.186	143.927
119.0	170.906	168.647	154.969	149.197	146.939
119.5	174.294	172.160	158.232	152.209	150.076
120.0	177.807	175.674	161.494	155.346	153.087
120.5	181.195	179.187	164.631	158.483	156.224
121.0	184.708	182.826	167.894	161.620	159.361
121.5	188.096	186.340	171.156	164.757	162.373
122.0	191.484	189.979	174.419	167.894	165.384
122.5	194.747	193.492	177.556	171.156	168.647
123.0	198.135	197.131	180.819	174.168	171.784
123.5	201.397	200.645	184.081	177.180	175.046
124.0	204.535	204.033	187.344	180.191	178.183
124.5	207.672	207.546	190.606	183.077	181.446
125.0	210.934	210.934	193.869	186.089	184.583
125.5	214.071	214.322	197.131	189.100	187.595
126.0	217.334	217.710	200.268	192.237	190.481
126.5	220.596	221.224	203.531	195.123	193.492
127.0	223.608	224.612	206.793	198.009	196.253
127.5	226.745	228.000	210.056	201.021	199.139
128.0	229.756	231.388	213.318	203.907	202.025
128.5	232.768	234.776	216.581	206.919	205.036
129.0	235.779	238.163	219.843	209.930	207.923
129.5	238.665	241.551	222.980	212.816	210.683
130.0	241.677	244.939	226.243	215.828	213.695
130.5	244.563	248.327	229.380	218.839	216.581
131.0	247.324	251.590	232.517	221.851	219.467
131.5	250.210	254.978	235.779	224.862	222.353
132.0	253.096	258.115	238.916	227.749	225.239
132.5	255.856	261.503	242.179	230.760	228.250
133.0	258.491	264.640	245.316	233.897	231.262
133.5	261.001	267.903	248.578	236.783	234.399
134.0	263.762	271.040	251.841	239.920	237.285
134.5	266.397	274.302	255.103	242.932	240.297
135.0	269.032	277.439	258.366	245.943	243.183
135.5	271.542	280.576	261.629	249.080	246.194
136.0	274.051	283.588	265.016	252.217	249.080
136.5	276.435	286.599	268.279	255.103	252.092
137.0	278.819	289.611	271.542	258.241	254.978
137.5	281.204	292.622	275.055	261.378	257.990
138.0	283.588	295.508	278.443	264.515	261.001
138.5	285.846	298.269	281.706	267.652	264.138

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CANDELA TABULATION - (Cont.)

139.0	288.231	301.030	285.094	270.789	267.150
139.5	290.615	303.665	288.356	273.926	270.161
140.0	292.873	306.425	291.744	277.063	273.298
140.5	295.257	309.060	295.132	280.325	276.310
141.0	297.516	311.570	298.395	283.588	279.196
141.5	299.775	314.205	301.657	286.850	282.333
142.0	301.783	316.715	304.920	290.113	285.470
142.5	303.916	319.224	308.182	293.375	288.607
143.0	306.049	321.609	311.445	296.638	291.744
143.5	308.057	323.867	314.582	300.026	295.007
144.0	310.064	326.251	317.719	303.163	298.269
144.5	312.072	328.510	320.856	306.551	301.657
145.0	313.954	330.643	323.867	309.813	304.920
145.5	315.836	332.776	326.753	313.201	308.182
146.0	317.593	334.784	329.765	316.589	311.570
146.5	319.350	336.792	332.525	319.726	314.833
147.0	321.107	338.925	335.412	323.114	318.095
147.5	322.989	341.058	338.172	326.251	321.483
148.0	324.746	343.191	340.807	329.514	324.746
148.5	326.502	345.199	343.442	332.651	328.008
149.0	328.134	347.081	345.952	335.788	331.145
149.5	329.639	348.963	348.587	338.799	334.282
150.0	331.271	350.469	351.097	341.686	337.419
150.5	332.902	352.226	353.732	344.697	340.556
151.0	334.533	353.732	356.241	347.583	343.442
151.5	336.039	355.238	358.626	350.344	346.328
152.0	337.419	356.869	360.884	353.104	349.214
152.5	338.799	358.626	363.268	355.739	351.850
153.0	340.305	360.382	365.527	358.249	354.485
153.5	341.686	361.888	367.786	360.884	356.994
154.0	343.066	363.394	369.919	363.394	359.629
154.5	344.321	364.900	372.052	365.903	362.014
155.0	345.575	366.154	373.809	368.162	364.398
155.5	346.705	367.158	375.566	370.421	366.656
156.0	348.085	368.288	377.322	372.679	369.040
156.5	349.214	369.417	378.954	374.813	371.174
157.0	350.469	370.421	380.585	377.071	373.432
157.5	351.599	371.550	382.091	379.204	375.566
158.0	352.602	372.303	383.471	381.338	377.573
158.5	353.732	373.056	384.726	383.345	379.455
159.0	354.736	373.809	385.855	385.353	381.463
159.5	355.614	374.436	386.859	387.235	383.471
160.0	356.618	375.189	387.737	388.992	385.353
160.5	357.496	375.816	388.741	390.498	387.235
161.0	358.249	376.318	389.494	392.129	388.992
161.5	359.127	376.946	390.247	393.635	390.623
162.0	359.880	377.448	390.749	395.015	392.255
162.5	360.633	377.824	391.000	396.395	393.760
163.0	361.386	378.201	391.251	397.525	395.266
163.5	362.139	378.577	391.376	398.403	396.646
164.0	362.766	378.703	391.627	399.156	398.027
164.5	363.519	378.954	391.753	399.909	399.156
165.0	364.147	379.079	391.878	400.536	399.783
165.5	364.649	379.204	392.004	401.038	400.411
166.0	365.276	379.204	392.004	401.289	401.038
166.5	365.778	379.204	391.627	401.164	401.791

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CANDELA TABULATION - (Cont.)

167.0	366.280	379.204	391.376	400.913	402.293
167.5	366.782	379.204	391.125	400.787	402.293
168.0	367.284	379.079	390.749	400.787	402.042
168.5	367.786	378.828	390.247	400.536	402.168
169.0	368.037	378.577	389.996	400.160	402.419
169.5	368.539	378.326	389.494	399.407	402.293
170.0	368.915	377.950	388.867	398.654	402.042
170.5	369.291	377.699	388.365	397.776	401.540
171.0	369.668	377.448	387.612	397.023	400.662
171.5	369.919	377.197	386.859	396.144	400.034
172.0	370.170	376.820	385.980	395.266	399.407
172.5	370.421	376.695	384.977	394.137	398.403
173.0	370.672	376.444	383.847	393.007	397.148
173.5	370.923	376.193	382.718	391.502	395.517
174.0	371.174	375.942	381.589	389.996	393.509
174.5	371.425	375.691	380.459	388.239	391.251
175.0	371.550	375.566	379.455	386.357	388.616
175.5	371.801	375.315	378.452	384.600	385.730
176.0	371.927	375.189	377.322	382.843	382.843
176.5	372.178	374.938	376.444	381.212	380.083
177.0	372.303	374.938	375.691	379.706	377.824
177.5	372.303	374.813	375.064	378.452	376.067
178.0	372.428	374.687	374.562	377.322	374.687
178.5	372.428	374.562	374.185	376.444	373.558
179.0	372.428	374.562	373.934	375.816	372.930
179.5	372.428	374.562	373.683	375.315	372.679
180.0	373.934	373.934	373.934	373.934	373.934

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1440.5	N.A.	12.30
0-30	3027.45	N.A.	25.90
0-40	4896.68	N.A.	42.00
0-60	8454.88	N.A.	72.50
0-80	10387.68	N.A.	89.00
0-90	10556.78	N.A.	90.50
10-90	10181.47	N.A.	87.30
20-40	3456.18	N.A.	29.60
20-50	5345.52	N.A.	45.80
40-70	4801.98	N.A.	41.20
60-80	1932.79	N.A.	16.60
70-80	689.02	N.A.	5.90
80-90	169.11	N.A.	1.40
90-110	89.69	N.A.	0.80
90-120	220.05	N.A.	1.90
90-130	396.16	N.A.	3.40
90-150	795.36	N.A.	6.80
90-180	1109.78	N.A.	9.50
110-180	1020.09	N.A.	8.70
0-180	11666.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	375.31
10-20	1065.18
20-30	1586.95
30-40	1869.23
40-50	1889.34
50-60	1668.86
60-70	1243.77
70-80	689.02
80-90	169.11
90-100	18.68
100-110	71.01
110-120	130.36
120-130	176.11
130-140	200.17
140-150	199.03
150-160	168.26
160-170	109.58
170-180	36.57

IES INDOOR REPORT
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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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	107	102	98	94	103	99	95	92	93	90	87	88	85	83	83	81	79	76
2	97	89	83	77	94	87	81	75	82	77	72	77	73	69	73	69	66	64
3	89	79	71	64	86	76	69	63	72	66	61	68	63	59	64	60	56	54
4	81	70	61	55	78	68	60	54	64	57	52	61	55	50	57	53	49	46
5	75	62	53	47	72	61	52	46	57	50	45	54	48	44	52	46	42	40
6	69	56	47	41	67	55	46	41	52	45	39	49	43	38	47	42	37	35
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	28
9	56	43	35	29	54	42	34	29	40	33	28	38	32	27	36	31	27	25
10	52	39	32	26	50	38	31	26	37	30	26	35	29	25	34	28	24	23

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-10U-90D-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

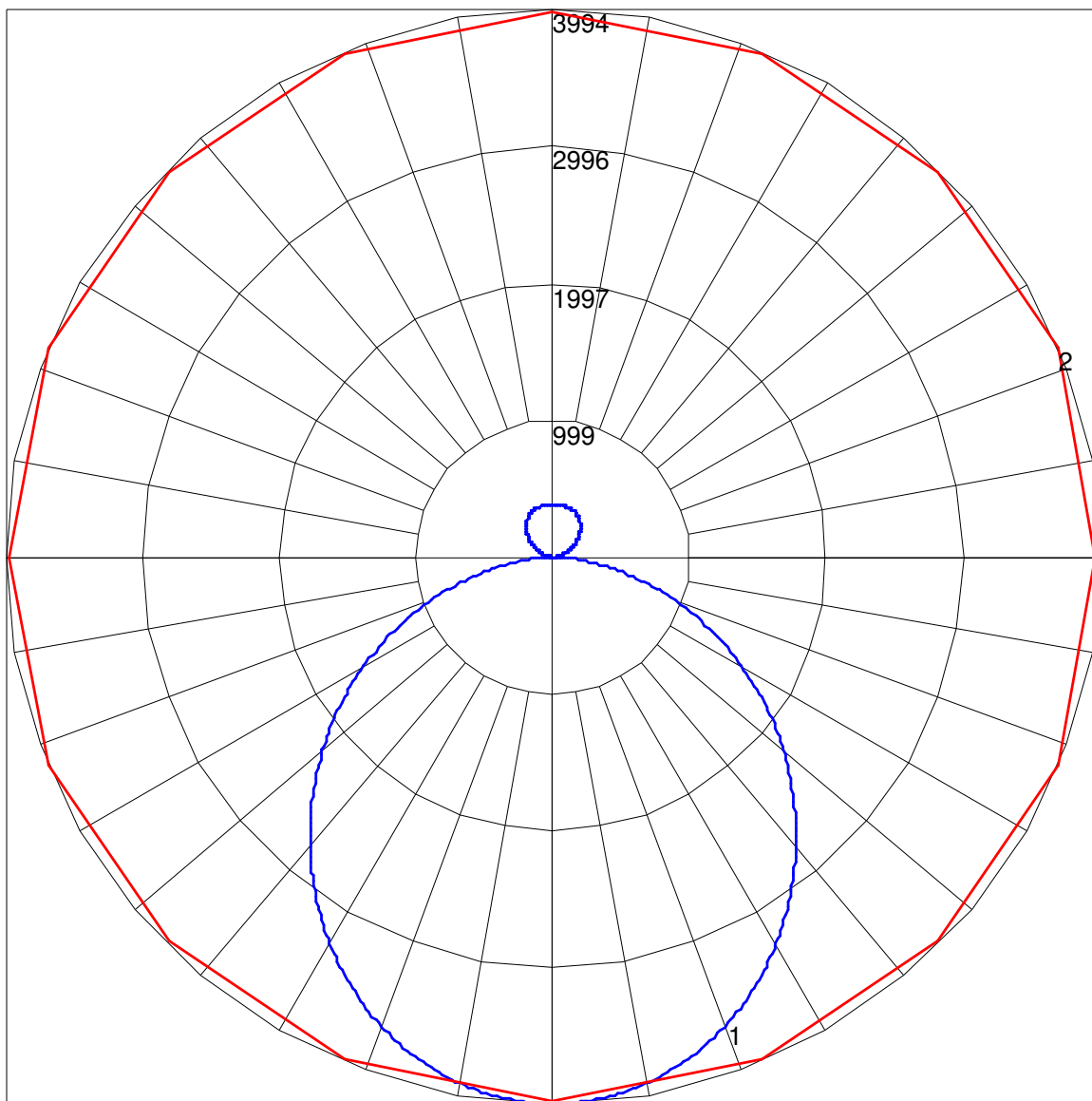
X=2H	Y=2H	18.3	19.7	18.8	20.2	20.8	19.0	20.4	19.5	20.9	21.4
	3H	19.8	21.0	20.3	21.6	22.2	20.7	21.9	21.2	22.4	23.0
	4H	20.2	21.4	20.8	22.0	22.6	21.3	22.4	21.8	23.0	23.6
	6H	20.5	21.6	21.0	22.1	22.8	21.7	22.7	22.2	23.3	23.9
	8H	20.5	21.6	21.1	22.1	22.8	21.7	22.8	22.3	23.4	24.0
	12H	20.5	21.5	21.1	22.1	22.8	21.8	22.8	22.4	23.4	24.0

UGR Viewed Endwise

4H	2H	18.9	20.1	19.4	20.6	21.2	19.4	20.6	19.9	21.1	21.7
	3H	20.5	21.5	21.1	22.1	22.7	21.3	22.3	21.9	22.9	23.5
	4H	21.1	22.0	21.7	22.6	23.2	22.0	22.9	22.6	23.5	24.1
	6H	21.4	22.2	22.0	22.8	23.5	22.5	23.2	23.1	23.9	24.5
	8H	21.5	22.2	22.1	22.8	23.5	22.6	23.3	23.2	23.9	24.6
	12H	21.5	22.2	22.1	22.8	23.5	22.7	23.3	23.3	24.0	24.7
8H	4H	21.3	22.0	21.9	22.6	23.3	22.1	22.8	22.7	23.5	24.1
	6H	21.7	22.3	22.4	23.0	23.7	22.7	23.3	23.3	23.9	24.6
	8H	21.8	22.3	22.5	23.0	23.7	22.8	23.4	23.5	24.0	24.7
	12H	21.9	22.3	22.5	23.0	23.8	23.0	23.4	23.6	24.1	24.9
12H	4H	21.3	22.0	22.0	22.6	23.3	22.1	22.8	22.7	23.4	24.1
	6H	21.7	22.3	22.4	22.9	23.7	22.7	23.2	23.3	23.8	24.6
	8H	21.9	22.3	22.5	23.0	23.8	22.9	23.3	23.5	24.0	24.8

Maximum UGR = 24.9

POLAR GRAPH



Maximum Candela = 3994.07 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)