



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-8-L27-835-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] 8' SUSPENDED LED LUMINAIRE  
[MORE] WITH FROSTED ACRYLIC LENS  
[LUMCAT] SDI5-8-L27-835-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	21002
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	156
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)	7.90 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	12900	11834	12389
55	12862	10852	11061
65	12225	8944	8784
75	10305	5888	5516
85	5364	1707	1508

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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	2592.032	2592.032	2592.032	2592.032	2592.032
0.5	2589.987	2604.297	2585.899	2587.943	2589.987
1.0	2589.987	2604.297	2585.899	2587.943	2592.032
1.5	2592.032	2602.253	2585.899	2589.987	2594.076
2.0	2589.987	2604.297	2587.943	2592.032	2596.120
2.5	2589.987	2604.297	2587.943	2594.076	2598.164
3.0	2589.987	2604.297	2589.987	2596.120	2602.253
3.5	2589.987	2604.297	2592.032	2600.208	2606.341
4.0	2589.987	2604.297	2594.076	2604.297	2610.429
4.5	2589.987	2606.341	2596.120	2608.385	2616.562
5.0	2587.943	2606.341	2600.208	2614.518	2622.694
5.5	2589.987	2606.341	2602.253	2618.606	2628.827
6.0	2589.987	2606.341	2606.341	2624.739	2637.004
6.5	2589.987	2608.385	2610.429	2630.871	2645.181
7.0	2589.987	2610.429	2614.518	2637.004	2653.357
7.5	2587.943	2610.429	2618.606	2645.181	2659.490
8.0	2587.943	2612.474	2622.694	2653.357	2667.667
8.5	2585.899	2612.474	2628.827	2661.534	2677.888
9.0	2587.943	2614.518	2632.915	2669.711	2688.109
9.5	2587.943	2614.518	2639.048	2677.888	2696.285
10.0	2585.899	2614.518	2643.136	2686.064	2706.506
10.5	2583.855	2616.562	2647.225	2694.241	2716.727
11.0	2583.855	2618.606	2653.357	2704.462	2728.992
11.5	2583.855	2620.650	2657.446	2714.683	2739.213
12.0	2583.855	2620.650	2663.578	2724.904	2751.478
12.5	2583.855	2622.694	2669.711	2735.125	2761.699
13.0	2583.855	2624.739	2675.843	2745.346	2773.964
13.5	2581.811	2624.739	2681.976	2755.567	2786.230
14.0	2579.766	2626.783	2688.109	2765.788	2800.539
14.5	2577.722	2628.827	2694.241	2778.053	2812.804
15.0	2577.722	2628.827	2700.374	2788.274	2825.069
15.5	2575.678	2630.871	2708.550	2800.539	2839.378
16.0	2575.678	2632.915	2712.639	2812.804	2853.688
16.5	2573.634	2632.915	2718.771	2823.025	2865.953
17.0	2573.634	2632.915	2726.948	2835.290	2880.262
17.5	2571.590	2634.960	2733.081	2847.555	2894.572
18.0	2567.501	2637.004	2739.213	2857.776	2906.837
18.5	2567.501	2637.004	2745.346	2870.041	2921.146
19.0	2563.413	2637.004	2751.478	2880.262	2933.411
19.5	2561.369	2637.004	2757.611	2892.527	2947.721
20.0	2559.325	2637.004	2763.743	2902.748	2959.986
20.5	2555.236	2637.004	2769.876	2912.969	2972.251
21.0	2555.236	2639.048	2776.009	2923.190	2986.560
21.5	2553.192	2637.004	2782.141	2935.455	2998.825
22.0	2549.104	2637.004	2788.274	2945.676	3011.090
22.5	2547.059	2637.004	2792.362	2955.897	3023.355
23.0	2542.971	2637.004	2798.495	2968.162	3033.576
23.5	2538.883	2634.960	2802.583	2976.339	3043.797
24.0	2536.839	2632.915	2806.671	2986.560	3056.063
24.5	2532.750	2632.915	2810.760	2996.781	3066.283
25.0	2528.662	2632.915	2814.848	3004.958	3078.549
25.5	2524.573	2630.871	2818.937	3015.179	3088.770
26.0	2520.485	2628.827	2823.025	3023.355	3098.990
26.5	2516.397	2626.783	2825.069	3031.532	3107.167

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**CANDELA TABULATION - (Cont.)**

27.0	2510.264	2624.739	2827.113	3037.665	3115.344
27.5	2506.176	2622.694	2831.202	3043.797	3123.521
28.0	2500.043	2618.606	2833.246	3051.974	3131.698
28.5	2495.955	2614.518	2835.290	3056.063	3139.874
29.0	2489.822	2612.474	2835.290	3062.195	3150.095
29.5	2481.645	2608.385	2837.334	3066.283	3154.184
30.0	2475.513	2604.297	2837.334	3070.372	3158.272
30.5	2469.380	2598.164	2837.334	3074.460	3162.360
31.0	2463.248	2594.076	2837.334	3076.504	3166.449
31.5	2455.071	2589.987	2835.290	3078.549	3172.581
32.0	2444.850	2583.855	2833.246	3080.593	3174.625
32.5	2436.673	2577.722	2831.202	3080.593	3176.670
33.0	2430.541	2571.590	2829.158	3082.637	3176.670
33.5	2422.364	2563.413	2825.069	3080.593	3178.714
34.0	2414.187	2555.236	2820.981	3080.593	3176.670
34.5	2401.922	2549.104	2816.892	3076.504	3174.625
35.0	2393.745	2540.927	2812.804	3074.460	3172.581
35.5	2383.524	2532.750	2808.716	3068.328	3168.493
36.0	2373.303	2524.573	2802.583	3066.283	3164.405
36.5	2363.082	2514.352	2794.406	3060.151	3158.272
37.0	2352.862	2506.176	2788.274	3051.974	3150.095
37.5	2342.641	2495.955	2780.097	3043.797	3143.963
38.0	2330.375	2485.734	2769.876	3035.621	3133.742
38.5	2320.154	2473.469	2761.699	3027.444	3125.565
39.0	2307.889	2463.248	2751.478	3019.267	3115.344
39.5	2291.536	2450.983	2741.257	3007.002	3105.123
40.0	2279.271	2440.762	2728.992	2996.781	3096.946
40.5	2267.006	2428.497	2716.727	2984.516	3086.725
41.0	2254.740	2414.187	2704.462	2972.251	3074.460
41.5	2242.475	2401.922	2690.153	2959.986	3062.195
42.0	2228.166	2387.613	2677.888	2947.721	3047.886
42.5	2213.857	2373.303	2663.578	2933.411	3033.576
43.0	2197.503	2356.950	2647.225	2919.102	3017.223
43.5	2181.150	2342.641	2632.915	2902.748	3002.914
44.0	2166.840	2326.287	2618.606	2888.439	2986.560
44.5	2150.487	2309.934	2602.253	2870.041	2970.207
45.0	2136.177	2293.580	2583.855	2853.688	2953.853
45.5	2119.824	2277.227	2567.501	2835.290	2933.411
46.0	2103.470	2258.829	2551.148	2814.848	2912.969
46.5	2087.117	2242.475	2532.750	2796.451	2892.527
47.0	2068.719	2224.078	2512.308	2776.009	2870.041
47.5	2050.322	2203.636	2493.911	2751.478	2847.555
48.0	2032.333	2185.238	2473.469	2731.036	2825.069
48.5	2013.731	2166.840	2453.027	2708.550	2802.583
49.0	1994.106	2148.443	2430.541	2684.020	2776.009
49.5	1974.278	2128.001	2410.099	2659.490	2751.478
50.0	1954.858	2107.559	2387.613	2634.960	2724.904
50.5	1935.029	2087.117	2365.127	2608.385	2698.329
51.0	1914.792	2066.675	2340.596	2581.811	2669.711
51.5	1895.576	2044.189	2316.066	2555.236	2643.136
52.0	1874.726	2022.521	2291.536	2526.618	2612.474
52.5	1853.057	1999.830	2264.961	2500.043	2583.855
53.0	1830.980	1977.753	2240.431	2471.424	2555.236
53.5	1809.721	1954.245	2213.857	2440.762	2524.573
54.0	1787.848	1931.554	2187.282	2412.143	2491.866
54.5	1764.544	1908.046	2160.708	2381.480	2461.204

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**CANDELA TABULATION - (Cont.)**

55.0	1741.036	1883.516	2132.089	2350.817	2430.541
55.5	1718.141	1858.781	2105.515	2320.154	2397.834
56.0	1696.268	1834.251	2076.896	2287.447	2363.082
56.5	1671.942	1808.290	2048.277	2254.740	2330.375
57.0	1648.638	1781.920	2017.615	2222.033	2295.624
57.5	1624.313	1755.958	1987.769	2189.326	2260.873
58.0	1598.760	1729.384	1957.107	2156.619	2226.122
58.5	1576.479	1702.401	1926.444	2121.868	2191.371
59.0	1553.992	1674.804	1895.985	2089.161	2156.619
59.5	1531.711	1648.025	1865.118	2054.410	2119.824
60.0	1506.567	1622.473	1833.842	2019.045	2083.029
60.5	1480.810	1595.694	1802.157	1982.659	2046.233
61.0	1454.645	1567.893	1769.859	1946.886	2010.460
61.5	1428.070	1539.479	1737.356	1911.112	1973.051
62.0	1400.883	1513.313	1706.285	1875.135	1936.051
62.5	1374.104	1484.694	1674.804	1838.339	1897.621
63.0	1346.712	1457.507	1643.119	1801.748	1858.577
63.5	1319.115	1428.479	1609.799	1765.157	1820.555
64.0	1291.110	1398.839	1576.274	1727.544	1782.737
64.5	1263.104	1368.380	1542.341	1693.406	1743.898
65.0	1235.099	1338.126	1508.203	1655.793	1707.511
65.5	1206.685	1307.872	1474.882	1617.771	1669.080
66.0	1178.475	1277.618	1442.175	1579.954	1630.241
66.5	1149.856	1246.955	1408.651	1542.136	1590.583
67.0	1121.646	1216.088	1373.899	1503.705	1551.539
67.5	1093.437	1185.221	1338.739	1464.661	1511.678
68.0	1064.818	1153.945	1302.966	1425.413	1470.590
68.5	1035.586	1122.669	1267.806	1390.253	1429.706
69.0	1006.559	1092.006	1232.237	1351.004	1392.706
69.5	977.736	1060.730	1196.873	1311.143	1352.844
70.0	948.913	1029.249	1161.099	1271.281	1311.552
70.5	919.681	997.360	1125.122	1231.419	1269.850
71.0	890.244	965.470	1088.531	1191.558	1228.558
71.5	860.808	933.786	1051.940	1151.696	1187.469
72.0	831.780	902.305	1015.758	1111.834	1145.972
72.5	802.549	870.620	979.575	1071.768	1104.884
73.0	772.908	839.140	943.393	1031.907	1064.000
73.5	743.267	807.250	907.007	992.045	1022.708
74.0	713.831	775.565	870.825	952.183	981.211
74.5	684.803	743.880	834.847	912.730	940.123
75.0	655.571	712.195	798.869	873.073	899.648
75.5	626.544	680.715	763.300	834.234	859.990
76.0	597.312	649.234	727.936	795.598	820.129
76.5	568.285	617.958	692.776	756.963	780.267
77.0	539.461	586.887	658.024	718.737	740.814
77.5	510.638	556.019	623.478	680.715	701.974
78.0	482.020	525.561	589.135	643.306	663.339
78.5	454.014	495.307	555.406	606.306	625.317
79.0	426.213	465.462	521.881	569.511	587.704
79.5	398.821	436.026	488.766	533.329	550.296
80.0	371.838	406.589	456.059	497.760	513.500
80.5	344.855	377.971	423.965	462.600	477.523
81.0	318.485	349.556	392.484	428.258	442.158
81.5	292.523	321.960	361.208	394.528	407.611
82.0	267.380	294.772	331.159	361.821	373.473
82.5	242.850	268.198	301.722	329.728	340.357

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**CANDELA TABULATION - (Cont.)**

83.0	218.728	242.645	272.899	298.452	308.059
83.5	195.220	217.706	245.098	268.198	276.988
84.0	172.734	193.585	218.115	239.375	247.142
84.5	150.861	170.281	192.563	211.574	218.524
85.0	130.215	148.204	168.237	185.408	191.336
85.5	110.182	127.149	145.342	160.673	165.784
86.0	91.171	107.320	123.878	137.983	142.071
86.5	73.386	88.718	104.049	116.928	119.994
87.0	57.033	71.955	85.652	97.508	99.756
87.5	42.315	56.828	69.502	78.906	79.928
88.0	29.845	43.746	53.967	60.304	60.304
88.5	19.829	32.094	39.657	46.403	46.812
89.0	12.265	22.690	29.845	38.022	37.817
89.5	7.563	16.762	25.144	32.707	32.094
90.0	5.110	15.945	23.713	31.481	29.845
90.5	10.425	18.398	16.967	14.309	13.287
91.0	17.784	34.342	30.050	26.370	25.348
91.5	28.005	56.011	50.287	42.928	41.088
92.0	39.657	79.519	78.292	63.983	59.895
92.5	50.696	100.165	112.226	94.033	87.696
93.0	63.983	118.154	149.021	133.281	125.513
93.5	82.381	137.574	187.043	177.640	168.646
94.0	104.049	159.242	223.225	223.430	214.027
94.5	126.535	182.750	257.363	268.811	262.269
95.0	149.226	207.281	291.501	314.601	312.761
95.5	171.916	233.242	327.683	361.617	364.274
96.0	195.424	260.225	365.910	409.655	416.606
96.5	218.933	288.435	405.976	458.920	470.572
97.0	242.441	317.463	447.882	511.047	525.357
97.5	265.949	347.308	490.605	562.561	581.572
98.0	289.457	377.766	534.760	615.914	639.218
98.5	313.374	408.633	578.710	670.903	697.886
99.0	337.496	439.909	623.886	726.709	757.985
99.5	361.821	471.594	669.676	783.742	818.698
100.0	386.352	503.484	717.919	844.863	879.819
100.5	410.678	535.986	762.687	908.438	941.758
101.0	435.617	568.489	810.521	967.719	1004.514
101.5	460.556	601.605	861.217	1022.912	1067.475
102.0	485.290	634.107	906.393	1077.901	1131.254
102.5	510.434	666.406	952.388	1137.387	1195.237
103.0	535.986	700.544	1003.492	1199.735	1259.629
103.5	561.334	733.251	1055.619	1263.922	1324.226
104.0	587.091	764.936	1101.205	1325.452	1388.618
104.5	612.439	798.256	1144.541	1384.938	1451.987
105.0	637.991	833.007	1191.149	1442.584	1514.540
105.5	663.135	865.305	1241.640	1498.186	1575.661
106.0	688.483	896.172	1292.950	1551.335	1634.942
106.5	713.831	928.062	1340.988	1605.097	1697.699
107.0	738.770	961.178	1384.120	1661.312	1760.047
107.5	763.913	995.724	1425.822	1719.367	1821.372
108.0	788.853	1027.614	1468.137	1774.969	1882.085
108.5	813.383	1057.255	1509.634	1830.162	1942.184
109.0	837.709	1086.486	1550.926	1886.991	2001.874
109.5	861.830	1116.332	1593.445	1944.024	2060.542
110.0	885.952	1147.403	1636.578	2001.057	2117.780
110.5	909.460	1179.293	1679.506	2056.454	2175.017

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**CANDELA TABULATION - (Cont.)**

111.0	932.763	1210.569	1719.367	2109.603	2232.254
111.5	955.454	1240.414	1756.572	2162.752	2285.403
112.0	977.940	1267.806	1792.958	2215.901	2340.596
112.5	1000.426	1293.154	1828.731	2264.961	2393.745
113.0	1022.912	1318.706	1864.096	2314.022	2444.850
113.5	1044.989	1344.463	1900.278	2358.994	2495.955
114.0	1066.453	1371.038	1936.460	2406.010	2545.015
114.5	1087.713	1397.408	1972.642	2450.983	2594.076
115.0	1108.564	1423.982	2008.211	2491.866	2641.092
115.5	1129.006	1450.148	2042.349	2532.750	2686.064
116.0	1148.834	1474.882	2076.896	2573.634	2731.036
116.5	1168.458	1498.595	2109.603	2610.429	2776.009
117.0	1188.287	1519.241	2140.266	2647.225	2818.937
117.5	1208.116	1539.479	2168.885	2684.020	2859.820
118.0	1226.922	1559.512	2195.459	2718.771	2900.704
118.5	1245.729	1576.683	2219.989	2751.478	2939.544
119.0	1263.513	1595.285	2244.519	2784.185	2976.339
119.5	1280.480	1613.070	2267.006	2814.848	3009.046
120.0	1297.038	1631.672	2289.492	2845.511	3043.797
120.5	1313.187	1650.887	2309.934	2872.086	3074.460
121.0	1329.132	1669.489	2332.420	2898.660	3105.123
121.5	1344.872	1687.887	2352.862	2925.234	3133.742
122.0	1360.408	1705.671	2373.303	2949.765	3162.360
122.5	1375.535	1722.638	2391.701	2974.295	3186.891
123.0	1389.640	1739.196	2410.099	2994.737	3213.465
123.5	1403.540	1754.119	2428.497	3015.179	3233.907
124.0	1416.827	1768.632	2444.850	3035.621	3256.393
124.5	1430.523	1781.102	2461.204	3051.974	3274.791
125.0	1444.424	1793.163	2475.513	3068.328	3293.188
125.5	1456.485	1803.997	2489.822	3084.681	3309.542
126.0	1468.341	1814.422	2504.131	3096.946	3323.851
126.5	1479.380	1825.052	2516.397	3109.211	3336.116
127.0	1490.214	1834.864	2526.618	3119.432	3350.426
127.5	1500.639	1844.676	2536.839	3127.609	3358.602
128.0	1510.656	1853.262	2547.059	3137.830	3364.735
128.5	1519.855	1861.234	2553.192	3143.963	3372.912
129.0	1529.258	1868.798	2559.325	3150.095	3379.044
129.5	1537.843	1875.748	2563.413	3156.228	3383.133
130.0	1546.020	1882.902	2569.546	3158.272	3389.265
130.5	1553.788	1889.444	2571.590	3162.360	3393.354
131.0	1561.147	1895.372	2573.634	3164.405	3395.398
131.5	1568.097	1901.709	2575.678	3166.449	3395.398
132.0	1574.434	1905.593	2575.678	3166.449	3395.398
132.5	1580.771	1910.295	2575.678	3164.405	3391.310
133.0	1586.495	1914.383	2575.678	3162.360	3387.221
133.5	1591.401	1917.858	2573.634	3158.272	3385.177
134.0	1596.512	1920.516	2573.634	3154.184	3381.089
134.5	1601.213	1923.582	2571.590	3148.051	3374.956
135.0	1605.915	1925.422	2569.546	3141.918	3368.823
135.5	1610.412	1926.444	2565.457	3133.742	3362.691
136.0	1613.683	1927.057	2561.369	3125.565	3354.514
136.5	1616.340	1925.830	2555.236	3117.388	3342.249
137.0	1618.793	1925.013	2549.104	3107.167	3332.028
137.5	1621.246	1923.377	2542.971	3096.946	3317.719
138.0	1623.086	1921.538	2536.839	3084.681	3305.454
138.5	1624.721	1919.698	2528.662	3072.416	3293.188

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-50U-50D-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	1626.152	1916.427	2522.529	3060.151	3278.879
139.5	1626.970	1912.748	2514.352	3045.842	3264.570
140.0	1627.583	1909.886	2504.131	3033.576	3248.216
140.5	1627.583	1907.024	2493.911	3017.223	3229.819
141.0	1627.174	1903.140	2485.734	3002.914	3213.465
141.5	1626.357	1898.847	2475.513	2986.560	3193.023
142.0	1625.335	1894.963	2465.292	2972.251	3172.581
142.5	1624.517	1889.444	2455.071	2955.897	3152.139
143.0	1623.495	1884.742	2442.806	2939.544	3129.653
143.5	1621.655	1878.814	2430.541	2919.102	3109.211
144.0	1619.407	1871.864	2418.276	2900.704	3088.770
144.5	1617.158	1866.140	2403.966	2882.306	3066.283
145.0	1614.909	1859.803	2389.657	2861.865	3043.797
145.5	1612.661	1854.079	2377.392	2843.467	3021.311
146.0	1609.799	1846.107	2363.082	2820.981	2996.781
146.5	1606.324	1839.157	2346.729	2798.495	2972.251
147.0	1602.644	1832.207	2332.420	2778.053	2947.721
147.5	1598.556	1824.439	2316.066	2755.567	2923.190
148.0	1594.672	1815.035	2299.713	2733.081	2896.616
148.5	1590.788	1806.450	2283.359	2708.550	2872.086
149.0	1586.904	1798.886	2267.006	2684.020	2845.511
149.5	1582.611	1790.096	2248.608	2659.490	2818.937
150.0	1577.296	1780.897	2232.254	2634.960	2792.362
150.5	1572.186	1772.312	2213.857	2610.429	2763.743
151.0	1566.462	1763.113	2195.459	2585.899	2735.125
151.5	1560.943	1754.732	2177.061	2559.325	2706.506
152.0	1555.628	1745.737	2158.664	2532.750	2679.932
152.5	1550.313	1735.925	2138.222	2506.176	2651.313
153.0	1544.998	1725.500	2119.824	2479.601	2622.694
153.5	1540.092	1715.688	2099.382	2450.983	2592.032
154.0	1534.368	1705.671	2078.940	2422.364	2559.325
154.5	1528.440	1695.041	2058.498	2393.745	2528.662
155.0	1522.512	1684.207	2037.648	2365.127	2495.955
155.5	1516.175	1673.169	2016.797	2336.508	2465.292
156.0	1509.838	1661.312	1996.151	2307.889	2432.585
156.5	1502.888	1650.887	1975.913	2277.227	2401.922
157.0	1496.551	1639.235	1955.062	2248.608	2371.259
157.5	1490.214	1627.788	1933.394	2219.989	2340.596
158.0	1484.490	1616.340	1911.521	2189.326	2305.845
158.5	1478.357	1604.484	1890.262	2158.664	2273.138
159.0	1472.634	1593.650	1869.002	2128.001	2240.431
159.5	1466.706	1583.633	1847.334	2099.382	2207.724
160.0	1460.573	1573.003	1825.461	2068.719	2172.973
160.5	1454.236	1562.987	1803.792	2039.283	2138.222
161.0	1448.103	1552.153	1781.920	2009.233	2107.559
161.5	1441.971	1544.589	1760.660	1979.593	2072.808
162.0	1436.247	1534.164	1739.605	1950.156	2038.056
162.5	1430.319	1523.330	1718.754	1920.720	2004.736
163.0	1424.800	1512.904	1697.699	1891.897	1971.825
163.5	1419.280	1502.683	1677.461	1862.256	1939.118
164.0	1413.557	1492.054	1657.428	1833.229	1906.615
164.5	1408.037	1482.037	1638.213	1804.814	1874.521
165.0	1402.109	1472.020	1619.611	1777.831	1842.836
165.5	1396.999	1462.413	1600.804	1750.235	1810.743
166.0	1392.706	1453.214	1584.042	1722.638	1779.262
166.5	1387.595	1444.220	1567.893	1697.086	1749.008

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-50U-50D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	1382.281	1435.634	1551.335	1671.533	1719.981
167.5	1377.579	1427.457	1537.435	1646.390	1692.180
168.0	1373.286	1419.485	1521.081	1622.268	1663.765
168.5	1369.402	1411.921	1505.341	1598.965	1638.417
169.0	1365.518	1404.562	1490.623	1579.340	1612.865
169.5	1361.634	1397.408	1476.109	1557.876	1587.313
170.0	1357.341	1390.457	1462.004	1539.479	1566.258
170.5	1353.662	1383.712	1448.308	1519.650	1548.064
171.0	1350.391	1377.375	1435.429	1500.435	1525.987
171.5	1347.121	1371.651	1423.164	1482.241	1505.954
172.0	1344.259	1366.131	1411.717	1464.866	1486.330
172.5	1341.192	1360.817	1400.474	1448.308	1467.319
173.0	1338.535	1355.502	1389.640	1432.363	1449.534
173.5	1336.082	1350.391	1379.419	1417.032	1432.363
174.0	1333.424	1346.098	1369.607	1402.722	1415.805
174.5	1330.971	1342.214	1360.817	1389.231	1400.065
175.0	1329.132	1338.535	1352.640	1377.170	1385.960
175.5	1327.496	1334.855	1345.281	1366.131	1372.877
176.0	1325.861	1331.585	1338.535	1356.115	1361.430
176.5	1324.634	1328.518	1333.016	1347.325	1351.209
177.0	1323.408	1325.861	1327.905	1339.966	1342.623
177.5	1322.590	1323.612	1323.408	1333.629	1335.264
178.0	1321.568	1321.773	1320.137	1328.110	1328.927
178.5	1320.546	1320.342	1317.275	1323.612	1323.817
179.0	1319.728	1319.524	1315.027	1320.342	1319.728
179.5	1318.706	1318.911	1313.391	1318.502	1317.275
180.0	1316.662	1316.662	1316.662	1316.662	1316.662



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-8-L27-835-DMA-50U-50D-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1019.04	N.A.	4.90
0-30	2320.26	N.A.	11.00
0-40	4073.00	N.A.	19.40
0-60	7935.56	N.A.	37.80
0-80	10246.39	N.A.	48.80
0-90	10451.06	N.A.	49.80
10-90	10200.91	N.A.	48.60
20-40	3053.96	N.A.	14.50
20-50	5032.16	N.A.	24.00
40-70	5336.82	N.A.	25.40
60-80	2310.83	N.A.	11.00
70-80	836.57	N.A.	4.00
80-90	204.67	N.A.	1.00
90-110	1501.74	N.A.	7.20
90-120	3417.55	N.A.	16.30
90-130	5576.65	N.A.	26.60
90-150	9009.75	N.A.	42.90
90-180	10551.31	N.A.	50.20
110-180	9049.58	N.A.	43.10
0-180	21002.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	250.16
10-20	768.88
20-30	1301.22
30-40	1752.74
40-50	1978.2
50-60	1884.36
60-70	1474.26
70-80	836.57
80-90	204.67
90-100	309.41
100-110	1192.33
110-120	1915.81
120-130	2159.1
130-140	1951.11
140-150	1481.98
150-160	941.11
160-170	467.50
170-180	132.95

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-8-L27-835-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 : SDI5-8-L27-835-DMA-50U-50D-DIM-UNV\_.IES

## UGR TABLE - CORRECTED

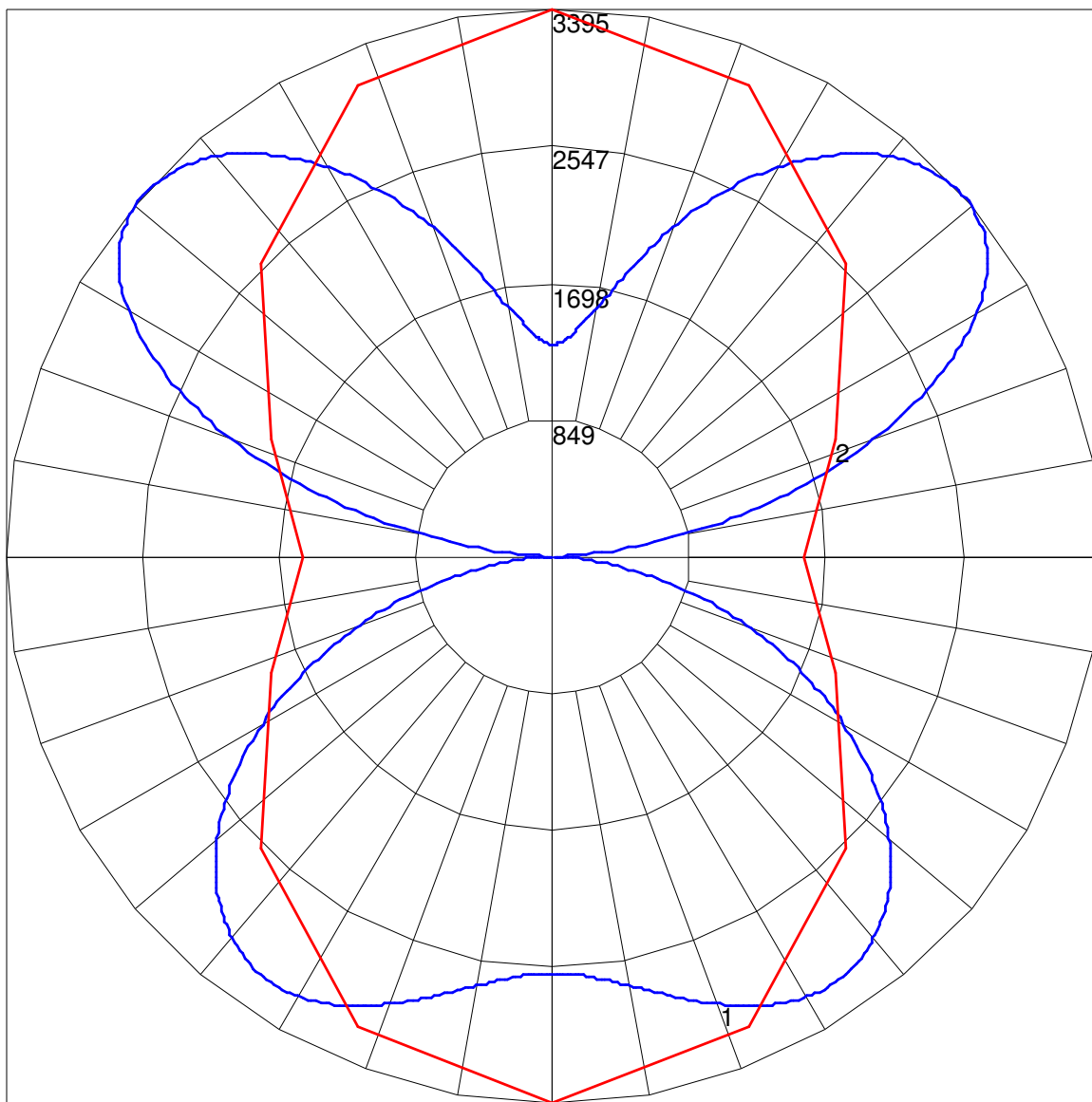
### Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	15.7	16.6	16.6	17.5	18.8	18.4	19.3	19.4	20.3	21.5
	3H	17.1	17.9	18.1	18.9	20.2	20.2	21.0	21.2	22.0	23.3
	4H	17.5	18.3	18.5	19.3	20.6	20.9	21.6	21.8	22.6	23.9
	6H	17.8	18.5	18.7	19.4	20.8	21.3	22.0	22.3	23.0	24.3
	8H	17.8	18.4	18.8	19.5	20.8	21.4	22.1	22.4	23.1	24.4
	12H	17.8	18.4	18.8	19.4	20.7	21.4	22.1	22.4	23.1	24.4
4H	2H	16.5	17.2	17.5	18.2	19.5	18.7	19.4	19.6	20.4	21.7
	3H	18.1	18.7	19.1	19.7	21.0	20.7	21.3	21.7	22.3	23.6
	4H	18.6	19.2	19.6	20.2	21.5	21.4	22.0	22.4	23.0	24.3
	6H	18.9	19.4	19.9	20.4	21.7	21.9	22.4	22.9	23.5	24.8
	8H	18.9	19.4	19.9	20.4	21.8	22.1	22.5	23.1	23.6	24.9
	12H	18.9	19.3	19.9	20.4	21.7	22.1	22.5	23.1	23.6	24.9
8H	4H	18.9	19.4	19.9	20.4	21.7	21.5	21.9	22.5	23.0	24.3
	6H	19.3	19.7	20.3	20.7	22.1	22.0	22.4	23.1	23.5	24.8
	8H	19.4	19.7	20.4	20.7	22.1	22.2	22.6	23.3	23.6	25.0
	12H	19.4	19.7	20.4	20.7	22.1	22.3	22.6	23.4	23.7	25.1
12H	4H	18.9	19.3	19.9	20.4	21.7	21.4	21.8	22.4	22.9	24.2
	6H	19.3	19.7	20.4	20.7	22.1	22.0	22.4	23.1	23.4	24.8
	8H	19.4	19.7	20.4	20.8	22.2	22.2	22.5	23.3	23.6	25.0

Maximum UGR = 25.1

POLAR GRAPH



Maximum Candela = 3395.398 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.)