



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-30U-70D-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 12731921.05
[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-30U-70D-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	12371
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	92
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.54
Spacing Criterion (Diagonal)	1.54
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	8965	8073	8307
55	8591	7243	7290
65	7900	5912	5765
75	6504	3911	3643
85	3234	1125	978

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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	2561.075	2561.075	2561.075	2561.075	2561.075
0.5	2623.847	2574.885	2544.755	2540.988	2543.499
1.0	2623.847	2574.885	2544.755	2540.988	2543.499
1.5	2623.847	2574.885	2544.755	2542.244	2543.499
2.0	2623.847	2573.630	2544.755	2542.244	2544.755
2.5	2622.591	2573.630	2544.755	2543.499	2546.010
3.0	2622.591	2573.630	2544.755	2544.755	2547.266
3.5	2621.336	2572.374	2546.010	2546.010	2548.521
4.0	2620.080	2571.119	2546.010	2547.266	2551.032
4.5	2618.825	2571.119	2546.010	2548.521	2553.543
5.0	2617.570	2569.863	2546.010	2551.032	2556.054
5.5	2616.314	2568.608	2547.266	2552.287	2558.564
6.0	2613.803	2567.352	2547.266	2554.798	2561.075
6.5	2612.548	2566.097	2548.521	2557.309	2563.586
7.0	2610.037	2564.842	2548.521	2559.820	2567.352
7.5	2607.526	2563.586	2549.776	2562.331	2571.119
8.0	2605.015	2562.331	2549.776	2564.842	2573.630
8.5	2602.504	2559.820	2551.032	2567.352	2577.396
9.0	2598.738	2558.564	2552.287	2571.119	2581.162
9.5	2596.227	2556.054	2552.287	2573.630	2584.928
10.0	2592.461	2554.798	2553.543	2576.140	2588.695
10.5	2588.695	2552.287	2554.798	2579.907	2593.716
11.0	2583.673	2549.776	2554.798	2583.673	2597.483
11.5	2579.907	2547.266	2556.054	2587.439	2601.249
12.0	2576.140	2544.755	2556.054	2589.950	2606.271
12.5	2571.119	2540.988	2556.054	2593.716	2610.037
13.0	2566.097	2538.477	2557.309	2596.227	2615.059
13.5	2561.075	2534.711	2557.309	2599.994	2620.080
14.0	2556.054	2530.945	2557.309	2603.760	2625.102
14.5	2551.032	2527.179	2556.054	2606.271	2630.124
15.0	2546.010	2523.412	2556.054	2610.037	2633.890
15.5	2539.733	2519.646	2556.054	2612.548	2638.912
16.0	2534.711	2514.624	2554.798	2615.059	2643.934
16.5	2528.434	2510.858	2553.543	2617.570	2648.955
17.0	2523.412	2505.836	2552.287	2620.080	2652.722
17.5	2517.135	2500.815	2551.032	2622.591	2656.488
18.0	2510.858	2495.793	2549.776	2625.102	2660.254
18.5	2503.325	2489.516	2548.521	2627.613	2662.765
19.0	2497.048	2484.494	2546.010	2628.868	2666.531
19.5	2490.771	2478.217	2543.499	2631.379	2669.042
20.0	2483.239	2473.195	2540.988	2631.379	2671.553
20.5	2475.706	2466.918	2538.477	2632.635	2672.808
21.0	2468.173	2460.641	2535.967	2633.890	2675.319
21.5	2460.641	2455.619	2533.456	2633.890	2676.575
22.0	2453.108	2449.342	2530.945	2633.890	2677.830
22.5	2444.320	2443.065	2528.434	2633.890	2679.086
23.0	2436.788	2436.788	2525.923	2633.890	2680.341
23.5	2428.000	2429.255	2523.412	2633.890	2681.596
24.0	2419.212	2422.978	2520.901	2633.890	2681.596
24.5	2411.679	2415.445	2517.135	2633.890	2682.852
25.0	2401.636	2409.168	2514.624	2632.635	2682.852
25.5	2392.848	2401.636	2510.858	2631.379	2682.852
26.0	2384.060	2394.103	2507.092	2631.379	2681.596
26.5	2375.272	2387.826	2503.325	2628.868	2681.596

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-30U-70D-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	2365.228	2379.038	2498.304	2627.613	2680.341
27.5	2356.440	2371.505	2493.282	2625.102	2679.086
28.0	2346.397	2363.973	2488.260	2622.591	2677.830
28.5	2336.353	2355.185	2483.239	2620.080	2675.319
29.0	2326.310	2347.652	2478.217	2616.314	2672.808
29.5	2316.267	2338.864	2471.940	2612.548	2670.298
30.0	2304.968	2330.076	2465.663	2608.782	2666.531
30.5	2294.924	2321.288	2459.385	2605.015	2662.765
31.0	2284.881	2311.245	2453.108	2599.994	2658.999
31.5	2273.582	2302.457	2446.831	2596.227	2655.232
32.0	2263.539	2292.413	2439.299	2591.206	2650.211
32.5	2252.240	2282.370	2431.766	2586.184	2645.189
33.0	2239.685	2272.327	2424.233	2579.907	2640.167
33.5	2228.387	2262.283	2416.701	2574.885	2635.146
34.0	2215.832	2250.984	2409.168	2568.608	2628.868
34.5	2203.278	2239.685	2400.380	2561.075	2622.591
35.0	2190.724	2228.387	2391.592	2553.543	2616.314
35.5	2176.914	2217.088	2381.549	2546.010	2608.782
36.0	2164.360	2205.789	2372.761	2538.477	2601.249
36.5	2150.550	2193.235	2361.462	2528.434	2592.461
37.0	2135.485	2180.680	2351.419	2519.646	2583.673
37.5	2121.675	2168.126	2340.120	2508.347	2573.630
38.0	2106.610	2155.572	2328.821	2498.304	2562.331
38.5	2092.800	2141.762	2316.267	2485.749	2551.032
39.0	2077.735	2127.952	2303.712	2474.451	2538.477
39.5	2062.670	2112.887	2289.903	2460.641	2525.923
40.0	2047.605	2099.077	2277.348	2448.087	2510.858
40.5	2032.540	2084.012	2262.283	2433.021	2497.048
41.0	2016.219	2068.947	2248.473	2417.956	2481.983
41.5	1999.898	2053.882	2233.408	2402.891	2465.663
42.0	1983.578	2037.561	2218.343	2386.571	2449.342
42.5	1966.002	2021.241	2202.023	2370.250	2431.766
43.0	1949.681	2004.920	2185.702	2352.674	2414.190
43.5	1932.105	1988.600	2168.126	2335.098	2395.359
44.0	1914.529	1971.024	2150.550	2317.522	2377.783
44.5	1896.953	1953.448	2132.974	2298.691	2357.696
45.0	1878.122	1935.872	2115.398	2279.859	2338.864
45.5	1859.290	1918.296	2096.566	2259.772	2318.777
46.0	1840.459	1899.464	2077.735	2239.685	2298.691
46.5	1820.372	1880.633	2058.904	2219.599	2277.348
47.0	1801.541	1861.801	2038.817	2198.256	2256.006
47.5	1781.454	1841.714	2018.730	2176.914	2233.408
48.0	1761.367	1822.883	1998.643	2154.316	2212.066
48.5	1742.535	1802.796	1977.301	2132.974	2188.213
49.0	1721.193	1782.709	1957.214	2110.376	2165.615
49.5	1701.106	1762.622	1934.616	2086.523	2141.762
50.0	1681.019	1741.280	1913.274	2063.925	2117.909
50.5	1660.933	1721.193	1891.932	2040.072	2092.800
51.0	1639.590	1699.851	1869.334	2016.219	2067.692
51.5	1619.503	1678.509	1846.736	1992.366	2042.583
52.0	1599.417	1658.422	1824.138	1967.257	2016.219
52.5	1579.330	1637.079	1800.285	1942.149	1991.110
53.0	1557.987	1614.482	1776.432	1917.040	1964.746
53.5	1536.645	1593.139	1753.834	1891.932	1937.127
54.0	1515.303	1571.797	1729.981	1865.568	1910.763
54.5	1493.961	1549.199	1704.873	1839.204	1883.144

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55.0	1471.363	1526.602	1681.019	1812.840	1856.780
55.5	1450.021	1504.004	1655.911	1786.476	1829.160
56.0	1428.678	1482.662	1632.058	1760.111	1801.541
56.5	1406.081	1458.809	1606.949	1732.492	1772.666
57.0	1383.483	1436.211	1581.841	1704.873	1745.046
57.5	1360.885	1413.613	1555.477	1677.253	1717.427
58.0	1337.032	1389.760	1530.368	1649.634	1689.807
58.5	1314.434	1367.162	1504.004	1622.014	1660.933
59.0	1291.836	1343.309	1478.895	1593.139	1632.058
59.5	1267.983	1319.456	1452.531	1565.520	1603.183
60.0	1245.386	1295.603	1426.167	1536.645	1574.308
60.5	1221.909	1271.750	1399.803	1507.770	1544.178
61.0	1198.935	1247.771	1372.184	1478.895	1514.047
61.5	1175.082	1223.416	1345.820	1450.021	1483.917
62.0	1151.480	1198.935	1319.456	1421.146	1453.787
62.5	1127.626	1174.579	1291.836	1392.271	1423.657
63.0	1104.150	1150.099	1264.217	1362.140	1393.526
63.5	1080.673	1125.241	1236.723	1333.266	1362.140
64.0	1057.071	1100.384	1208.978	1303.135	1332.010
64.5	1033.720	1075.652	1181.359	1273.005	1300.624
65.0	1009.742	1050.417	1153.614	1242.875	1269.239
65.5	985.888	1025.434	1125.743	1212.870	1238.857
66.0	962.035	1000.577	1097.998	1182.614	1207.597
66.5	938.182	975.468	1070.253	1152.358	1176.588
67.0	914.078	950.485	1042.006	1121.851	1145.453
67.5	889.848	925.377	1014.010	1091.596	1114.444
68.0	865.744	900.394	986.140	1060.963	1083.435
68.5	841.514	875.034	958.018	1030.331	1052.301
69.0	817.284	849.800	930.273	1000.075	1021.794
69.5	792.678	824.315	902.026	969.568	991.287
70.0	767.946	798.955	874.155	939.186	960.152
70.5	743.340	773.721	846.034	908.680	929.394
71.0	718.984	748.110	817.786	878.424	898.259
71.5	694.378	722.625	789.790	848.042	867.376
72.0	669.771	697.014	761.669	817.786	836.367
72.5	645.165	671.529	733.673	787.531	805.483
73.0	620.559	646.044	705.677	757.400	774.600
73.5	596.078	620.684	677.681	727.521	743.716
74.0	571.848	595.324	649.936	697.642	712.582
74.5	547.618	570.090	622.567	668.014	682.200
75.0	523.514	545.233	595.324	638.386	651.693
75.5	499.284	520.124	567.831	609.260	621.563
76.0	476.059	495.267	540.713	580.259	591.433
76.5	452.833	470.660	513.847	551.259	561.428
77.0	429.733	446.305	486.981	522.635	531.925
77.5	406.885	422.326	460.868	494.262	503.176
78.0	383.910	398.599	434.755	466.266	474.552
78.5	361.187	374.997	408.893	438.898	446.682
79.0	338.966	351.897	383.534	411.655	418.811
79.5	316.996	328.922	358.425	384.915	391.443
80.0	295.026	306.450	333.693	358.299	364.577
80.5	273.684	284.355	309.463	332.438	338.338
81.0	252.090	262.385	285.485	306.952	312.351
81.5	231.250	240.917	262.134	281.969	286.991
82.0	210.661	220.077	239.410	257.614	262.259
82.5	190.574	199.488	217.315	233.886	238.155

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83.0	170.738	179.652	195.847	211.038	214.678
83.5	151.656	160.318	175.007	188.565	191.955
84.0	133.452	141.738	154.920	167.223	170.111
84.5	116.002	123.785	135.837	146.885	149.145
85.0	99.304	106.711	117.759	127.426	129.309
85.5	83.737	90.516	100.685	109.097	110.478
86.0	68.421	75.326	84.741	92.023	92.902
86.5	54.611	61.390	70.053	76.330	76.832
87.0	42.308	48.460	56.494	62.144	62.395
87.5	31.386	37.286	44.442	49.715	49.589
88.0	22.096	27.619	34.273	38.793	38.291
88.5	14.814	19.961	25.234	28.122	26.866
89.0	9.290	13.559	16.697	18.455	16.823
89.5	5.901	8.286	10.043	11.173	9.792
90.0	4.645	6.654	8.160	9.039	8.411
90.5	9.792	15.944	14.940	12.178	9.039
91.0	12.178	23.728	21.593	18.831	15.818
91.5	15.065	33.520	29.377	25.611	22.347
92.0	18.580	44.693	38.918	33.018	29.503
92.5	22.723	55.616	51.975	42.182	37.663
93.0	27.243	65.282	67.793	54.235	48.083
93.5	32.516	75.702	85.620	69.802	61.893
94.0	38.416	86.374	105.582	88.633	78.841
94.5	44.819	94.032	125.668	111.105	99.304
95.0	51.598	102.694	144.751	136.214	123.660
95.5	58.754	112.361	162.327	161.950	150.400
96.0	66.161	122.028	179.777	188.063	178.020
96.5	73.819	131.820	198.609	213.423	205.765
97.0	81.477	141.738	220.704	238.657	233.133
97.5	89.638	151.656	243.679	263.766	260.878
98.0	97.798	161.950	266.025	289.376	288.498
98.5	105.958	172.370	286.112	315.364	316.494
99.0	114.746	182.539	304.818	342.481	344.866
99.5	123.409	193.085	325.282	370.352	373.741
100.0	132.071	203.882	344.992	400.231	403.244
100.5	140.985	214.553	365.832	432.746	433.374
101.0	150.024	225.224	388.430	464.760	464.007
101.5	159.314	236.021	410.400	494.765	495.141
102.0	168.353	246.943	432.621	521.631	526.401
102.5	177.518	257.991	454.214	548.497	558.540
103.0	186.808	269.038	475.054	576.116	590.679
103.5	196.224	279.584	495.267	603.736	623.195
104.0	205.514	290.255	514.851	632.360	655.208
104.5	214.804	301.052	534.060	662.364	687.724
105.0	224.220	311.849	553.393	694.001	719.863
105.5	233.510	322.143	573.103	725.638	752.002
106.0	242.674	331.810	592.311	756.019	784.015
106.5	251.965	340.975	611.143	786.401	815.652
107.0	261.129	350.516	628.970	816.531	847.666
107.5	270.168	360.936	645.918	845.155	879.051
108.0	279.207	371.481	662.741	872.398	909.935
108.5	287.995	381.525	678.936	898.887	940.693
109.0	296.783	390.690	695.006	925.126	970.447
109.5	305.446	399.226	710.447	950.736	999.698
110.0	314.108	407.638	725.764	975.719	1028.573
110.5	322.645	416.928	740.326	1000.326	1056.946

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111.0	331.057	426.846	754.136	1024.053	1084.942
111.5	339.342	436.513	767.193	1047.153	1111.933
112.0	347.503	445.803	779.245	1069.500	1138.298
112.5	355.538	454.340	790.418	1090.968	1164.159
113.0	363.447	462.249	800.713	1111.306	1188.640
113.5	371.105	469.279	810.631	1131.016	1212.870
114.0	378.763	475.557	819.921	1149.722	1236.598
114.5	386.296	481.457	828.709	1167.549	1259.195
115.0	393.577	487.483	836.869	1184.246	1279.282
115.5	400.858	493.886	844.150	1199.939	1299.369
116.0	407.889	500.414	850.553	1214.251	1319.456
116.5	414.668	507.319	856.203	1227.559	1337.032
117.0	421.322	513.973	860.471	1239.485	1353.352
117.5	427.850	520.501	863.610	1250.031	1368.418
118.0	434.127	526.652	866.246	1259.195	1382.227
118.5	440.028	532.302	869.259	1267.983	1396.037
119.0	445.803	537.575	872.021	1275.516	1407.336
119.5	451.452	542.345	874.783	1280.538	1417.379
120.0	456.976	546.614	877.294	1285.559	1424.912
120.5	462.249	550.255	879.051	1288.070	1432.445
121.0	467.271	553.644	880.181	1290.581	1438.722
121.5	472.292	556.657	880.432	1290.581	1442.488
122.0	477.063	559.670	880.056	1290.581	1444.999
122.5	481.583	562.809	878.800	1289.326	1447.510
123.0	485.977	565.822	877.043	1286.815	1447.510
123.5	490.245	568.584	874.532	1283.048	1446.254
124.0	494.262	571.471	871.268	1278.027	1443.743
124.5	498.029	573.982	867.501	1271.750	1439.977
125.0	501.669	576.619	863.233	1264.217	1434.955
125.5	505.059	578.878	858.839	1256.684	1428.678
126.0	508.323	581.013	854.068	1248.273	1421.146
126.5	511.336	583.147	849.298	1238.983	1412.358
127.0	514.224	585.030	844.276	1228.814	1401.059
127.5	516.735	586.913	839.129	1217.641	1389.760
128.0	519.245	588.420	833.856	1205.965	1378.461
128.5	521.380	589.675	828.207	1193.411	1364.651
129.0	523.514	590.679	822.432	1180.229	1349.586
129.5	525.397	591.433	816.405	1166.796	1334.521
130.0	527.155	591.809	810.254	1152.484	1316.945
130.5	528.661	592.060	804.102	1137.670	1300.624
131.0	530.042	592.060	797.700	1122.354	1281.793
131.5	531.423	591.558	791.171	1107.037	1262.962
132.0	532.302	590.930	784.518	1091.344	1244.381
132.5	533.181	590.177	777.989	1075.526	1224.797
133.0	533.808	589.173	771.336	1059.582	1205.086
133.5	534.311	588.169	764.807	1043.262	1185.125
134.0	534.687	587.039	758.028	1027.318	1165.164
134.5	534.938	585.783	751.249	1011.374	1144.700
135.0	535.064	584.528	744.469	995.179	1124.488
135.5	534.813	583.021	737.690	979.360	1104.275
136.0	534.562	581.515	731.162	963.416	1083.937
136.5	534.185	579.883	724.508	947.974	1064.102
137.0	533.557	578.251	717.980	932.407	1044.015
137.5	532.804	576.493	711.452	917.216	1023.928
138.0	532.051	574.484	704.923	902.151	1004.845
138.5	531.046	572.476	698.395	887.337	985.135

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-30U-70D-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	529.917	570.341	691.992	872.900	966.178
139.5	528.661	568.082	685.715	858.588	947.723
140.0	527.280	565.696	679.313	844.653	929.771
140.5	525.648	563.185	673.036	830.968	911.818
141.0	524.142	560.549	666.884	817.410	894.368
141.5	522.258	557.787	660.732	804.228	877.419
142.0	520.501	554.900	654.706	791.422	860.973
142.5	518.618	551.887	648.555	778.994	845.029
143.0	516.609	548.874	642.654	766.691	829.588
143.5	514.726	545.735	636.754	754.889	814.397
144.0	512.592	542.596	630.853	743.340	799.583
144.5	510.457	539.332	624.953	732.166	785.271
145.0	508.198	535.943	619.178	721.118	771.461
145.5	505.938	532.553	613.528	710.447	757.903
146.0	503.553	529.038	607.753	700.027	744.846
146.5	501.042	525.648	602.229	689.858	732.041
147.0	498.405	522.133	596.580	680.066	719.737
147.5	496.020	518.743	591.056	670.399	707.936
148.0	493.384	514.977	585.532	661.109	696.512
148.5	490.622	511.336	580.134	651.944	685.339
149.0	487.860	507.695	574.735	643.156	674.291
149.5	485.098	504.055	569.463	634.368	663.620
150.0	482.336	500.540	564.064	625.957	653.325
150.5	479.448	497.024	558.666	617.797	643.407
151.0	476.812	493.509	553.393	609.636	633.741
151.5	473.924	490.119	548.120	601.727	624.199
152.0	471.163	486.604	542.848	593.943	615.035
152.5	468.526	482.964	537.575	586.411	606.121
153.0	466.015	479.323	532.427	579.004	597.584
153.5	463.379	475.557	527.155	571.722	589.298
154.0	460.742	472.041	522.133	564.566	581.013
154.5	458.106	468.149	516.986	557.662	573.103
155.0	455.344	464.634	511.838	550.882	565.194
155.5	452.708	461.245	506.817	544.103	557.787
156.0	449.820	457.729	501.669	537.575	550.380
156.5	447.058	454.340	496.648	530.921	543.099
157.0	444.171	450.950	491.500	524.644	535.943
157.5	441.409	447.686	486.353	518.367	529.038
158.0	438.647	444.296	481.457	512.090	522.133
158.5	436.011	440.907	476.310	506.189	515.730
159.0	433.374	437.643	471.414	500.163	509.076
159.5	430.738	434.378	466.517	494.388	502.548
160.0	428.101	431.114	461.747	488.613	496.271
160.5	425.590	427.976	456.851	482.964	489.994
161.0	423.205	424.837	452.080	477.440	484.093
161.5	420.569	421.699	447.309	472.041	478.193
162.0	418.058	418.686	442.664	466.266	472.418
162.5	415.673	415.547	438.145	460.742	466.643
163.0	413.162	412.660	433.625	455.344	460.994
163.5	410.902	409.772	429.106	449.946	455.219
164.0	408.517	406.885	424.712	444.673	449.695
164.5	406.257	403.997	420.067	439.526	444.045
165.0	403.997	401.235	415.421	434.504	438.772
165.5	401.737	398.599	411.027	429.482	433.500
166.0	399.603	395.962	407.261	424.461	428.352
166.5	397.469	393.451	403.620	419.690	423.331

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-30U-70D-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	395.460	390.941	400.105	414.919	418.309
167.5	393.451	388.430	396.590	410.274	413.664
168.0	391.568	386.044	393.200	405.755	408.893
168.5	389.560	383.659	389.936	400.733	404.374
169.0	387.551	381.274	386.798	396.590	399.729
169.5	385.668	379.014	383.910	392.949	394.707
170.0	383.910	376.880	381.023	389.434	390.941
170.5	382.027	374.871	378.386	386.044	387.551
171.0	380.395	372.862	375.624	382.780	384.161
171.5	378.888	370.979	373.239	379.767	381.023
172.0	377.256	369.222	370.854	376.754	378.010
172.5	376.001	367.464	368.594	374.118	375.122
173.0	374.494	365.958	366.585	371.481	372.360
173.5	373.239	364.451	364.451	368.971	369.598
174.0	371.984	362.945	362.693	366.711	367.087
174.5	370.854	361.689	360.936	364.577	364.577
175.0	369.849	360.559	359.304	362.442	362.066
175.5	368.971	359.555	357.797	360.559	359.806
176.0	368.092	358.551	356.416	358.676	357.672
176.5	367.339	357.672	355.161	357.044	355.663
177.0	366.836	356.918	354.031	355.663	353.654
177.5	366.209	356.291	353.152	354.282	352.022
178.0	365.832	355.789	352.399	353.278	350.892
178.5	365.455	355.412	351.771	352.399	350.139
179.0	365.204	355.035	351.269	351.771	349.637
179.5	365.079	354.910	351.018	351.395	349.386
180.0	353.529	353.529	353.529	353.529	353.529

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-30U-70D-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	972.45	N.A.	7.90
0-30	2138.2	N.A.	17.30
0-40	3635.52	N.A.	29.40
0-60	6751.97	N.A.	54.60
0-80	8512.15	N.A.	68.80
0-90	8657.96	N.A.	70.00
10-90	8413.08	N.A.	68.00
20-40	2663.07	N.A.	21.50
20-50	4287.67	N.A.	34.70
40-70	4249.84	N.A.	34.40
60-80	1760.18	N.A.	14.20
70-80	626.79	N.A.	5.10
80-90	145.80	N.A.	1.20
90-110	675.15	N.A.	5.50
90-120	1493.17	N.A.	12.10
90-130	2309.28	N.A.	18.70
90-150	3319.63	N.A.	26.80
90-180	3712.81	N.A.	30.00
110-180	3037.66	N.A.	24.60
0-180	12370.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	244.88
10-20	727.57
20-30	1165.75
30-40	1497.32
40-50	1624.6
50-60	1491.85
60-70	1133.39
70-80	626.79
80-90	145.80
90-100	141.68
100-110	533.47
110-120	818.02
120-130	816.11
130-140	612.20
140-150	398.14
150-160	237.80
160-170	120.14
170-180	35.25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-30U-70D-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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	70
1	102	97	93	89	96	92	89	85	82	80	77	74	71	69	65	64	62	58
2	92	85	78	72	87	80	74	69	72	67	63	64	61	57	57	54	52	48
3	84	74	66	60	79	70	63	57	63	57	53	56	52	48	50	47	44	40
4	77	65	57	50	72	62	54	48	56	49	44	50	45	41	44	40	37	34
5	70	58	49	43	66	55	47	41	50	43	38	44	39	35	40	35	32	29
6	65	52	43	37	61	49	41	36	44	38	33	40	35	30	36	31	28	25
7	60	47	38	32	56	44	37	31	40	34	29	36	31	27	33	28	25	22
8	55	42	34	28	52	40	33	28	37	30	26	33	28	24	30	25	22	20
9	52	39	31	25	49	37	30	25	34	27	23	30	25	21	27	23	20	18
10	48	35	28	23	45	34	27	22	31	25	21	28	23	19	25	21	18	16

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-30U-70D-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	16.0	17.1	16.7	17.9	18.8	18.1	19.2	18.9	20.0	21.0
	3H	17.4	18.4	18.2	19.2	20.2	19.9	20.9	20.6	21.7	22.7
	4H	17.9	18.8	18.6	19.6	20.6	20.5	21.4	21.3	22.2	23.2
	6H	18.1	19.0	18.9	19.8	20.8	20.9	21.7	21.7	22.5	23.6
	8H	18.1	18.9	18.9	19.8	20.8	21.0	21.8	21.8	22.6	23.6
	12H	18.1	18.9	18.9	19.7	20.8	21.0	21.8	21.8	22.6	23.6

UGR Viewed Endwise

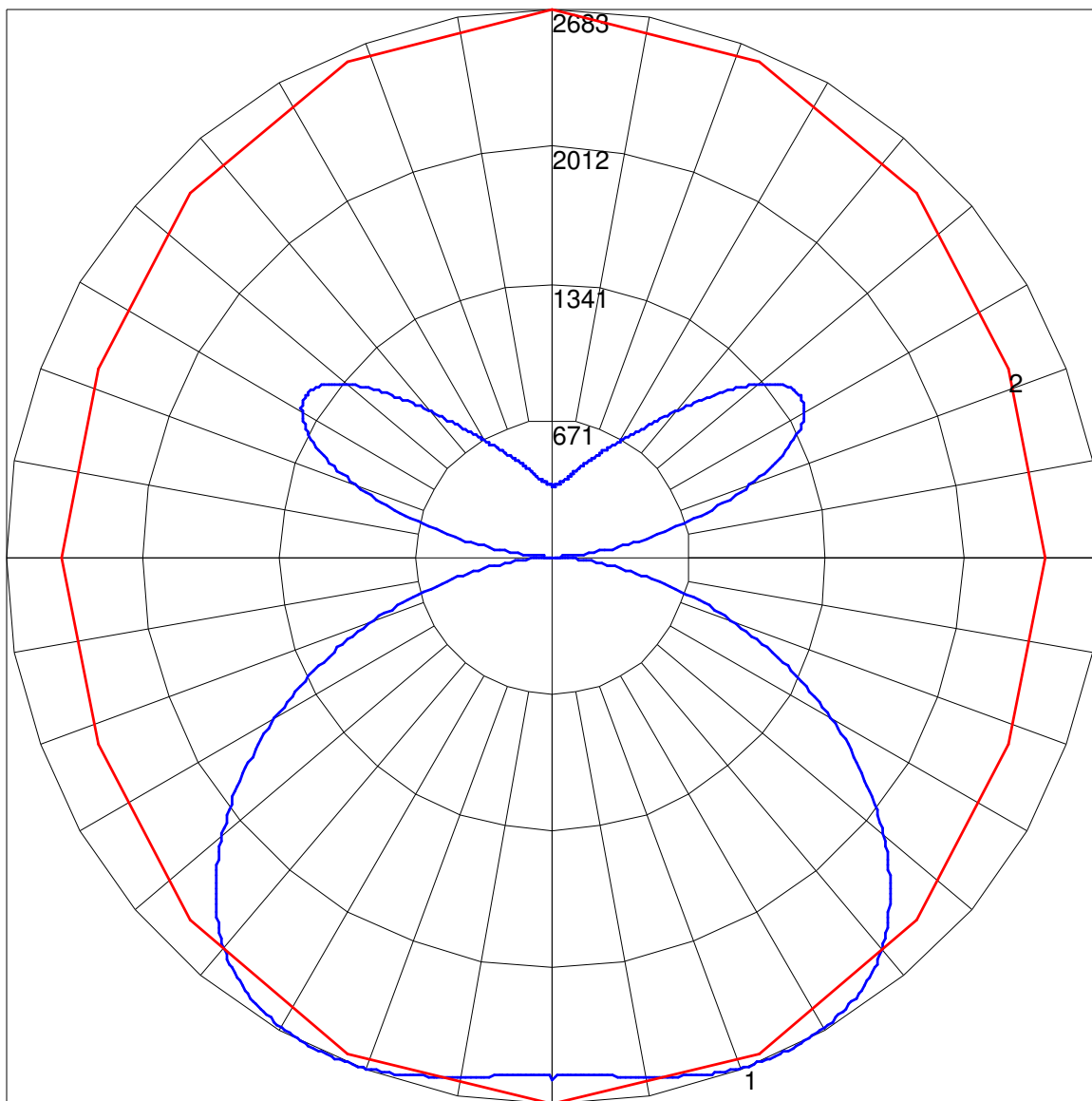
4H	2H	16.7	17.7	17.5	18.5	19.5	18.4	19.4	19.2	20.2	21.2
	3H	18.3	19.1	19.1	20.0	21.0	20.4	21.2	21.2	22.0	23.0
	4H	18.8	19.6	19.7	20.4	21.4	21.1	21.8	21.9	22.6	23.7
	6H	19.1	19.8	20.0	20.6	21.7	21.6	22.2	22.4	23.0	24.1
	8H	19.2	19.8	20.0	20.6	21.7	21.7	22.3	22.5	23.1	24.2
	12H	19.2	19.7	20.1	20.6	21.7	21.7	22.3	22.6	23.1	24.2

8H	4H	19.1	19.7	20.0	20.6	21.6	21.1	21.7	22.0	22.6	23.6
	6H	19.5	20.0	20.4	20.9	21.9	21.7	22.2	22.6	23.1	24.1
	8H	19.6	20.0	20.5	20.9	22.0	21.9	22.3	22.8	23.2	24.3
	12H	19.6	20.0	20.5	20.9	22.0	22.0	22.3	22.9	23.2	24.4

12H	4H	19.1	19.7	20.0	20.5	21.6	21.1	21.6	22.0	22.5	23.6
	6H	19.5	20.0	20.4	20.8	21.9	21.7	22.1	22.6	23.0	24.1
	8H	19.6	20.0	20.5	20.9	22.0	21.9	22.3	22.8	23.1	24.3

Maximum UGR = 24.4

POLAR GRAPH



Maximum Candela = 2682.852 Located At Horizontal Angle = 90, Vertical Angle = 24.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (24.5) (Through Max. Cd.)