



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-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] 4' SUSPENDED LED LUMINAIRE
[MORE] WITH FROSTED ACRYLIC LENS
[LUMCAT] SDI5-4-L27-835-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	9504
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	76
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)	3.77 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	19845	15729	14627
55	18450	13504	12233
65	16470	10767	9489
75	13172	7096	6018
85	6476	2223	1777

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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	3239.558	3239.558	3239.558	3239.558	3239.558
0.5	3234.446	3253.869	3229.335	3235.469	3241.602
1.0	3233.424	3252.847	3229.335	3234.446	3241.602
1.5	3232.402	3252.847	3228.313	3234.446	3240.580
2.0	3231.380	3251.825	3227.290	3232.402	3239.558
2.5	3230.357	3249.780	3225.246	3231.380	3237.513
3.0	3227.290	3247.736	3223.201	3230.357	3235.469
3.5	3226.268	3244.669	3220.135	3228.313	3232.402
4.0	3224.224	3241.602	3217.068	3226.268	3229.335
4.5	3221.157	3238.535	3214.001	3222.179	3226.268
5.0	3218.090	3235.469	3210.934	3218.090	3222.179
5.5	3214.001	3231.380	3206.845	3214.001	3218.090
6.0	3209.912	3227.290	3202.756	3209.912	3215.023
6.5	3205.823	3223.201	3198.667	3204.801	3209.912
7.0	3200.712	3218.090	3193.556	3199.689	3205.823
7.5	3195.600	3212.979	3189.467	3194.578	3200.712
8.0	3189.467	3207.867	3183.333	3188.444	3194.578
8.5	3183.333	3201.734	3178.222	3182.311	3187.422
9.0	3176.177	3195.600	3172.088	3176.177	3180.266
9.5	3170.044	3189.467	3165.955	3170.044	3173.110
10.0	3163.910	3182.311	3158.799	3161.866	3165.955
10.5	3157.776	3175.155	3151.643	3154.710	3157.776
11.0	3150.621	3167.999	3143.465	3146.532	3148.576
11.5	3141.420	3160.843	3135.287	3138.353	3140.398
12.0	3132.220	3152.665	3127.109	3129.153	3132.220
12.5	3124.042	3143.465	3118.930	3119.953	3124.042
13.0	3115.864	3135.287	3109.730	3111.775	3114.841
13.5	3106.663	3125.064	3100.530	3101.552	3103.596
14.0	3097.463	3115.864	3090.307	3092.351	3094.396
14.5	3088.262	3105.641	3080.084	3082.129	3085.196
15.0	3078.040	3095.418	3069.862	3071.906	3072.928
15.5	3067.817	3086.218	3058.617	3060.661	3061.684
16.0	3056.572	3075.995	3048.394	3049.416	3050.439
16.5	3045.327	3064.750	3036.127	3037.149	3039.194
17.0	3034.082	3052.483	3023.860	3025.904	3027.949
17.5	3021.815	3040.216	3011.593	3013.637	3015.682
18.0	3010.570	3028.971	3000.348	3001.370	3003.414
18.5	2998.303	3015.682	2987.058	2988.080	2989.103
19.0	2985.014	3003.414	2974.791	2974.791	2975.813
19.5	2971.724	2990.125	2962.524	2962.524	2962.524
20.0	2958.435	2976.836	2949.234	2947.190	2949.234
20.5	2945.145	2963.546	2934.923	2932.878	2934.923
21.0	2932.878	2950.257	2920.611	2918.566	2920.611
21.5	2919.589	2935.945	2907.322	2904.255	2906.299
22.0	2905.277	2921.633	2893.010	2888.921	2890.965
22.5	2889.943	2907.322	2878.698	2874.609	2874.609
23.0	2875.631	2891.988	2863.364	2859.275	2859.275
23.5	2861.320	2876.654	2848.030	2843.941	2841.897
24.0	2845.986	2861.320	2831.674	2828.607	2825.540
24.5	2831.674	2845.986	2816.340	2812.251	2808.162
25.0	2816.340	2829.629	2799.984	2795.895	2791.806
25.5	2799.984	2814.295	2784.650	2779.538	2774.427
26.0	2783.627	2797.939	2768.294	2762.160	2758.071
26.5	2768.294	2781.583	2751.937	2744.781	2740.692

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-10U-90D-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	2750.915	2764.204	2733.536	2727.403	2723.314
27.5	2733.536	2746.826	2716.158	2710.024	2705.935
28.0	2716.158	2729.447	2698.779	2691.624	2688.557
28.5	2698.779	2711.047	2680.379	2673.223	2670.156
29.0	2680.379	2693.668	2661.978	2654.822	2651.755
29.5	2663.000	2675.267	2644.599	2636.421	2633.355
30.0	2644.599	2657.889	2626.199	2616.998	2613.931
30.5	2625.176	2639.488	2606.776	2598.598	2594.508
31.0	2606.776	2621.087	2588.375	2579.174	2575.085
31.5	2588.375	2601.664	2568.952	2560.774	2555.662
32.0	2568.952	2582.241	2549.529	2540.328	2536.239
32.5	2550.551	2562.818	2530.106	2520.905	2515.794
33.0	2531.128	2543.395	2509.660	2500.460	2496.371
33.5	2511.705	2523.972	2489.215	2480.015	2475.926
34.0	2491.260	2503.527	2469.792	2459.569	2455.480
34.5	2472.859	2483.082	2449.347	2439.124	2432.991
35.0	2452.414	2462.636	2428.902	2418.679	2411.523
35.5	2432.991	2442.191	2408.456	2397.211	2389.033
36.0	2413.568	2421.746	2388.011	2375.744	2367.566
36.5	2393.122	2401.300	2367.566	2355.298	2346.098
37.0	2372.677	2380.855	2346.098	2332.809	2323.608
37.5	2351.209	2359.388	2325.653	2311.341	2301.118
38.0	2329.742	2337.920	2303.163	2288.851	2278.629
38.5	2309.297	2316.452	2281.695	2265.339	2256.139
39.0	2287.829	2294.985	2259.206	2243.872	2233.649
39.5	2266.361	2273.517	2237.738	2220.359	2211.159
40.0	2244.894	2252.050	2215.248	2197.870	2188.669
40.5	2223.426	2230.582	2192.758	2175.380	2166.179
41.0	2200.936	2208.092	2171.291	2152.890	2143.690
41.5	2178.447	2184.580	2148.801	2130.400	2122.222
42.0	2156.979	2163.113	2125.289	2107.910	2099.732
42.5	2135.511	2139.601	2102.799	2085.421	2078.265
43.0	2113.022	2117.111	2080.309	2063.953	2054.753
43.5	2090.532	2094.621	2057.819	2040.441	2032.263
44.0	2068.042	2071.109	2034.307	2017.951	2009.773
44.5	2046.574	2048.619	2011.817	1995.461	1987.283
45.0	2024.085	2025.107	1989.328	1972.971	1965.816
45.5	2001.595	2002.617	1966.838	1950.482	1942.303
46.0	1979.105	1978.083	1943.326	1927.992	1919.814
46.5	1955.593	1954.571	1920.836	1904.480	1896.301
47.0	1933.103	1932.081	1897.324	1881.990	1872.789
47.5	1909.591	1908.569	1874.834	1858.478	1848.255
48.0	1886.079	1885.057	1851.322	1834.966	1824.743
48.5	1862.567	1862.567	1827.810	1811.454	1801.231
49.0	1839.055	1838.032	1804.298	1787.941	1777.719
49.5	1815.543	1814.520	1780.786	1764.429	1754.207
50.0	1792.030	1791.008	1757.273	1740.917	1729.672
50.5	1767.496	1767.496	1734.784	1716.383	1705.138
51.0	1743.984	1743.984	1710.249	1691.849	1681.626
51.5	1719.450	1720.472	1686.737	1668.336	1657.091
52.0	1695.938	1695.938	1663.225	1643.802	1632.557
52.5	1671.403	1672.425	1638.691	1620.290	1608.023
53.0	1647.891	1647.891	1615.179	1595.756	1584.511
53.5	1623.357	1623.357	1590.644	1571.221	1559.976
54.0	1598.822	1599.845	1566.110	1547.709	1536.464
54.5	1575.310	1575.310	1542.598	1523.175	1511.930

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CANDELA TABULATION - (Cont.)

55.0	1550.776	1550.776	1518.063	1498.640	1487.396
55.5	1526.242	1526.242	1493.529	1474.106	1462.861
56.0	1501.707	1500.685	1468.995	1449.572	1439.349
56.5	1477.173	1476.151	1444.460	1426.060	1414.815
57.0	1452.639	1450.594	1418.904	1401.525	1391.303
57.5	1427.082	1426.060	1394.369	1376.991	1365.746
58.0	1402.548	1400.503	1369.835	1352.457	1341.212
58.5	1378.013	1374.946	1344.278	1327.922	1316.677
59.0	1352.457	1349.390	1319.744	1303.388	1293.165
59.5	1326.900	1323.833	1295.210	1278.853	1268.631
60.0	1301.343	1298.276	1270.675	1254.319	1244.096
60.5	1275.787	1273.742	1245.119	1229.785	1218.540
61.0	1250.230	1248.186	1220.584	1204.228	1194.005
61.5	1224.673	1222.629	1196.050	1179.694	1169.471
62.0	1200.139	1197.072	1171.516	1155.159	1144.937
62.5	1174.582	1171.516	1145.959	1130.625	1120.402
63.0	1149.026	1145.959	1121.425	1106.091	1095.868
63.5	1122.447	1121.425	1096.890	1081.556	1071.334
64.0	1096.890	1095.868	1072.356	1057.022	1046.799
64.5	1071.334	1070.311	1046.799	1031.465	1021.958
65.0	1046.799	1043.733	1022.265	1007.340	997.117
65.5	1021.038	1018.789	997.322	983.010	973.094
66.0	995.891	993.437	972.378	958.169	948.355
66.5	970.027	967.880	947.333	934.043	924.128
67.0	944.880	942.631	922.492	909.202	899.798
67.5	919.834	916.869	897.446	884.464	875.263
68.0	893.664	891.415	872.503	859.929	851.240
68.5	868.516	865.654	847.253	835.804	828.750
69.0	843.062	840.097	823.332	812.701	804.318
69.5	818.323	815.563	799.207	788.064	779.477
70.0	794.198	790.824	774.161	763.427	754.943
70.5	768.334	765.574	749.014	738.689	730.919
71.0	744.004	741.244	725.195	715.688	707.612
71.5	718.959	716.199	701.069	691.358	683.077
72.0	693.709	690.540	676.433	666.721	658.645
72.5	668.459	665.086	651.592	642.187	634.111
73.0	643.005	639.836	627.057	617.959	609.781
73.5	617.755	614.688	602.421	593.527	585.451
74.0	592.198	589.745	577.784	569.095	561.428
74.5	566.948	564.699	553.454	545.072	537.507
75.0	541.800	539.756	529.227	521.253	513.893
75.5	517.471	515.222	505.203	497.536	490.585
76.0	493.243	490.892	481.385	473.922	467.175
76.5	469.015	466.766	457.770	450.512	443.970
77.0	444.787	442.947	434.360	427.307	421.071
77.5	420.560	419.333	411.053	404.408	398.377
78.0	397.048	396.025	388.154	381.918	376.194
78.5	373.842	372.820	365.562	359.735	354.215
79.0	351.148	350.024	343.277	337.961	332.747
79.5	328.863	327.636	321.298	316.391	311.382
80.0	306.679	305.453	299.830	295.332	290.425
80.5	284.803	283.781	278.772	274.478	270.082
81.0	263.335	262.518	258.224	254.442	250.046
81.5	242.379	241.663	238.290	234.814	230.725
82.0	222.036	221.525	218.765	215.698	211.813
82.5	202.306	202.000	199.853	197.195	193.413

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CANDELA TABULATION - (Cont.)

83.0	182.985	183.088	181.554	179.203	175.625
83.5	164.380	164.687	163.869	161.927	158.553
84.0	146.593	147.206	147.002	145.468	142.402
84.5	129.521	130.441	130.850	129.521	126.863
85.0	113.063	114.494	115.516	114.596	112.142
85.5	97.422	99.466	101.000	100.386	98.137
86.0	82.599	84.950	87.097	86.995	85.052
86.5	68.492	71.354	74.012	74.319	72.479
87.0	55.305	58.474	61.745	62.460	60.927
87.5	43.037	46.309	49.989	51.113	49.682
88.0	31.690	35.064	38.642	40.073	38.437
88.5	21.059	24.432	27.601	28.623	26.681
89.0	11.347	14.618	17.379	19.219	18.503
89.5	4.191	7.360	10.734	12.267	11.654
90.0	1.227	2.351	3.782	4.191	3.578
90.5	4.498	6.542	5.827	4.396	2.351
91.0	4.805	6.338	5.725	4.191	2.453
91.5	5.316	6.849	6.134	4.600	2.760
92.0	5.827	7.565	6.645	5.009	3.271
92.5	6.440	8.280	7.360	5.725	3.885
93.0	7.258	8.996	8.280	6.645	4.805
93.5	8.280	9.916	9.303	7.667	5.929
94.0	9.200	10.938	10.427	8.791	7.156
94.5	10.325	12.063	11.552	10.120	8.485
95.0	11.654	13.392	12.881	11.449	9.916
95.5	13.289	14.925	14.414	12.881	11.449
96.0	15.027	16.561	15.845	14.414	12.983
96.5	16.765	18.299	17.481	16.050	14.516
97.0	18.707	20.139	19.116	17.685	16.254
97.5	20.752	21.979	20.854	19.525	18.094
98.0	22.899	24.023	22.694	21.365	19.934
98.5	25.045	26.068	24.637	23.205	21.876
99.0	27.294	28.112	26.579	25.148	23.819
99.5	29.646	30.259	28.623	27.192	25.863
100.0	31.997	32.508	30.668	29.237	27.908
100.5	34.553	34.859	32.917	31.281	30.055
101.0	37.006	37.108	35.064	33.428	32.201
101.5	39.562	39.562	37.313	35.677	34.348
102.0	42.220	42.015	39.664	37.824	36.597
102.5	44.775	44.469	42.015	40.073	38.846
103.0	47.433	47.024	44.366	42.424	41.197
103.5	50.193	49.580	46.820	44.673	43.446
104.0	52.851	52.238	49.171	47.126	45.797
104.5	55.713	54.896	51.624	49.478	48.149
105.0	58.474	57.554	54.180	51.829	50.500
105.5	61.336	60.211	56.633	54.282	52.953
106.0	64.198	62.972	59.189	56.633	55.305
106.5	67.061	65.732	61.745	59.087	57.758
107.0	69.923	68.492	64.300	61.540	60.211
107.5	72.785	71.252	66.754	63.994	62.665
108.0	75.750	74.114	69.310	66.447	65.221
108.5	78.612	76.874	71.865	69.003	67.674
109.0	81.577	79.737	74.421	71.456	70.127
109.5	84.439	82.599	76.977	73.910	72.581
110.0	87.404	85.564	79.532	76.465	75.136
110.5	90.266	88.426	82.088	78.919	77.692

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111.0	93.128	91.288	84.644	81.475	80.146
111.5	95.991	94.151	87.301	84.030	82.701
112.0	98.955	97.013	89.857	86.484	85.155
112.5	101.818	99.978	92.413	89.039	87.710
113.0	104.680	102.840	95.071	91.595	90.266
113.5	107.645	105.702	97.626	94.048	92.719
114.0	110.507	108.565	100.182	96.604	95.173
114.5	113.369	111.427	102.738	99.057	97.729
115.0	116.334	114.289	105.396	101.511	100.182
115.5	119.094	117.152	107.951	103.964	102.738
116.0	122.058	120.014	110.609	106.520	105.293
116.5	124.921	122.876	113.267	108.871	107.645
117.0	127.783	125.841	115.925	111.427	110.098
117.5	130.645	128.703	118.481	113.983	112.449
118.0	133.508	131.566	121.036	116.436	114.800
118.5	136.370	134.428	123.694	119.094	117.254
119.0	139.232	137.392	126.250	121.547	119.707
119.5	141.993	140.255	128.908	124.001	122.263
120.0	144.855	143.117	131.566	126.556	124.716
120.5	147.615	145.979	134.121	129.112	127.272
121.0	150.477	148.944	136.779	131.668	129.828
121.5	153.238	151.806	139.437	134.223	132.281
122.0	155.998	154.771	142.095	136.779	134.735
122.5	158.656	157.633	144.650	139.437	137.392
123.0	161.416	160.598	147.308	141.890	139.948
123.5	164.074	163.460	149.966	144.344	142.606
124.0	166.629	166.220	152.624	146.797	145.162
124.5	169.185	169.083	155.282	149.148	147.820
125.0	171.843	171.843	157.940	151.602	150.375
125.5	174.398	174.603	160.598	154.055	152.829
126.0	177.056	177.363	163.153	156.611	155.180
126.5	179.714	180.225	165.811	158.962	157.633
127.0	182.168	182.985	168.469	161.313	159.882
127.5	184.723	185.746	171.127	163.767	162.233
128.0	187.177	188.506	173.785	166.118	164.585
128.5	189.630	191.266	176.443	168.571	167.038
129.0	192.084	194.026	179.101	171.025	169.389
129.5	194.435	196.786	181.656	173.376	171.638
130.0	196.888	199.546	184.314	175.830	174.092
130.5	199.239	202.306	186.870	178.283	176.443
131.0	201.488	204.964	189.426	180.736	178.794
131.5	203.840	207.724	192.084	183.190	181.145
132.0	206.191	210.280	194.639	185.541	183.497
132.5	208.440	213.040	197.297	187.995	185.950
133.0	210.587	215.596	199.853	190.550	188.403
133.5	212.631	218.254	202.511	192.901	190.959
134.0	214.880	220.809	205.169	195.457	193.310
134.5	217.027	223.467	207.826	197.910	195.764
135.0	219.174	226.023	210.484	200.364	198.115
135.5	221.218	228.578	213.142	202.920	200.568
136.0	223.263	231.032	215.902	205.475	202.920
136.5	225.205	233.485	218.560	207.826	205.373
137.0	227.147	235.939	221.218	210.382	207.724
137.5	229.090	238.392	224.080	212.938	210.178
138.0	231.032	240.743	226.841	215.493	212.631
138.5	232.872	242.992	229.498	218.049	215.187

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-10U-90D-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	234.814	245.241	232.259	220.605	217.640
139.5	236.757	247.388	234.916	223.160	220.094
140.0	238.597	249.637	237.677	225.716	222.649
140.5	240.539	251.784	240.437	228.374	225.103
141.0	242.379	253.828	243.095	231.032	227.454
141.5	244.219	255.975	245.752	233.690	230.010
142.0	245.855	258.020	248.410	236.348	232.565
142.5	247.593	260.064	251.068	239.006	235.121
143.0	249.330	262.007	253.726	241.663	237.677
143.5	250.966	263.847	256.282	244.424	240.334
144.0	252.602	265.789	258.837	246.979	242.992
144.5	254.237	267.629	261.393	249.739	245.752
145.0	255.771	269.367	263.847	252.397	248.410
145.5	257.304	271.105	266.198	255.157	251.068
146.0	258.735	272.740	268.651	257.917	253.828
146.5	260.166	274.376	270.900	260.473	256.486
147.0	261.598	276.114	273.251	263.233	259.144
147.5	263.131	277.852	275.500	265.789	261.904
148.0	264.562	279.589	277.647	268.447	264.562
148.5	265.993	281.225	279.794	271.002	267.220
149.0	267.322	282.758	281.838	273.558	269.776
149.5	268.549	284.292	283.985	276.012	272.331
150.0	269.878	285.519	286.030	278.363	274.887
150.5	271.207	286.950	288.176	280.816	277.443
151.0	272.536	288.176	290.221	283.167	279.794
151.5	273.763	289.403	292.163	285.416	282.145
152.0	274.887	290.732	294.003	287.665	284.496
152.5	276.012	292.163	295.946	289.812	286.643
153.0	277.238	293.594	297.786	291.857	288.790
153.5	278.363	294.821	299.626	294.003	290.834
154.0	279.487	296.048	301.364	296.048	292.981
154.5	280.510	297.275	303.102	298.092	294.923
155.0	281.532	298.297	304.533	299.933	296.866
155.5	282.452	299.115	305.964	301.773	298.706
156.0	283.576	300.035	307.395	303.613	300.648
156.5	284.496	300.955	308.724	305.351	302.386
157.0	285.519	301.773	310.053	307.191	304.226
157.5	286.439	302.693	311.280	308.928	305.964
158.0	287.256	303.306	312.404	310.666	307.600
158.5	288.176	303.919	313.426	312.302	309.133
159.0	288.994	304.533	314.346	313.938	310.769
159.5	289.710	305.044	315.164	315.471	312.404
160.0	290.528	305.657	315.880	316.902	313.938
160.5	291.243	306.168	316.698	318.129	315.471
161.0	291.857	306.577	317.311	319.458	316.902
161.5	292.572	307.088	317.924	320.685	318.231
162.0	293.186	307.497	318.333	321.809	319.560
162.5	293.799	307.804	318.538	322.934	320.787
163.0	294.412	308.111	318.742	323.854	322.013
163.5	295.026	308.417	318.844	324.569	323.138
164.0	295.537	308.520	319.049	325.182	324.262
164.5	296.150	308.724	319.151	325.796	325.182
165.0	296.661	308.826	319.253	326.307	325.694
165.5	297.070	308.928	319.356	326.716	326.205
166.0	297.581	308.928	319.356	326.920	326.716
166.5	297.990	308.928	319.049	326.818	327.329

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-10U-90D-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	298.399	308.928	318.844	326.614	327.738
167.5	298.808	308.928	318.640	326.511	327.738
168.0	299.217	308.826	318.333	326.511	327.534
168.5	299.626	308.622	317.924	326.307	327.636
169.0	299.830	308.417	317.720	326.000	327.840
169.5	300.239	308.213	317.311	325.387	327.738
170.0	300.546	307.906	316.800	324.774	327.534
170.5	300.853	307.702	316.391	324.058	327.125
171.0	301.159	307.497	315.778	323.445	326.409
171.5	301.364	307.293	315.164	322.729	325.898
172.0	301.568	306.986	314.449	322.013	325.387
172.5	301.773	306.884	313.631	321.093	324.569
173.0	301.977	306.679	312.711	320.173	323.547
173.5	302.182	306.475	311.791	318.947	322.218
174.0	302.386	306.271	310.871	317.720	320.582
174.5	302.590	306.066	309.951	316.289	318.742
175.0	302.693	305.964	309.133	314.755	316.595
175.5	302.897	305.759	308.315	313.324	314.244
176.0	302.999	305.657	307.395	311.893	311.893
176.5	303.204	305.453	306.679	310.564	309.644
177.0	303.306	305.453	306.066	309.337	307.804
177.5	303.306	305.351	305.555	308.315	306.373
178.0	303.408	305.248	305.146	307.395	305.248
178.5	303.408	305.146	304.839	306.679	304.328
179.0	303.408	305.146	304.635	306.168	303.817
179.5	303.408	305.146	304.431	305.759	303.613
180.0	304.635	304.635	304.635	304.635	304.635

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-10U-90D-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1173.54	N.A.	12.30
0-30	2466.39	N.A.	25.90
0-40	3989.2	N.A.	42.00
0-60	6887.98	N.A.	72.50
0-80	8462.58	N.A.	89.00
0-90	8600.35	N.A.	90.50
10-90	8294.59	N.A.	87.30
20-40	2815.66	N.A.	29.60
20-50	4354.86	N.A.	45.80
40-70	3912.05	N.A.	41.20
60-80	1574.6	N.A.	16.60
70-80	561.33	N.A.	5.90
80-90	137.77	N.A.	1.40
90-110	73.07	N.A.	0.80
90-120	179.27	N.A.	1.90
90-130	322.74	N.A.	3.40
90-150	647.96	N.A.	6.80
90-180	904.11	N.A.	9.50
110-180	831.04	N.A.	8.70
0-180	9504.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	305.76
10-20	867.78
20-30	1292.85
30-40	1522.81
40-50	1539.2
50-60	1359.58
60-70	1013.27
70-80	561.33
80-90	137.77
90-100	15.22
100-110	57.85
110-120	106.20
120-130	143.47
130-140	163.07
140-150	162.15
150-160	137.08
160-170	89.27
170-180	29.79

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-10U-90D-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	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 : SDI5-4-L27-835-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	20.2	21.6	20.7	22.1	22.6	20.7	22.1	21.3	22.6	23.2
	3H	21.6	22.9	22.2	23.4	24.0	22.4	23.7	23.0	24.2	24.8
	4H	22.1	23.3	22.6	23.8	24.4	23.0	24.2	23.6	24.7	25.3
	6H	22.3	23.4	22.9	24.0	24.6	23.4	24.5	23.9	25.0	25.7
	8H	22.4	23.4	22.9	24.0	24.6	23.5	24.5	24.0	25.1	25.7
	12H	22.4	23.4	23.0	23.9	24.6	23.5	24.5	24.1	25.1	25.7

UGR Viewed Endwise

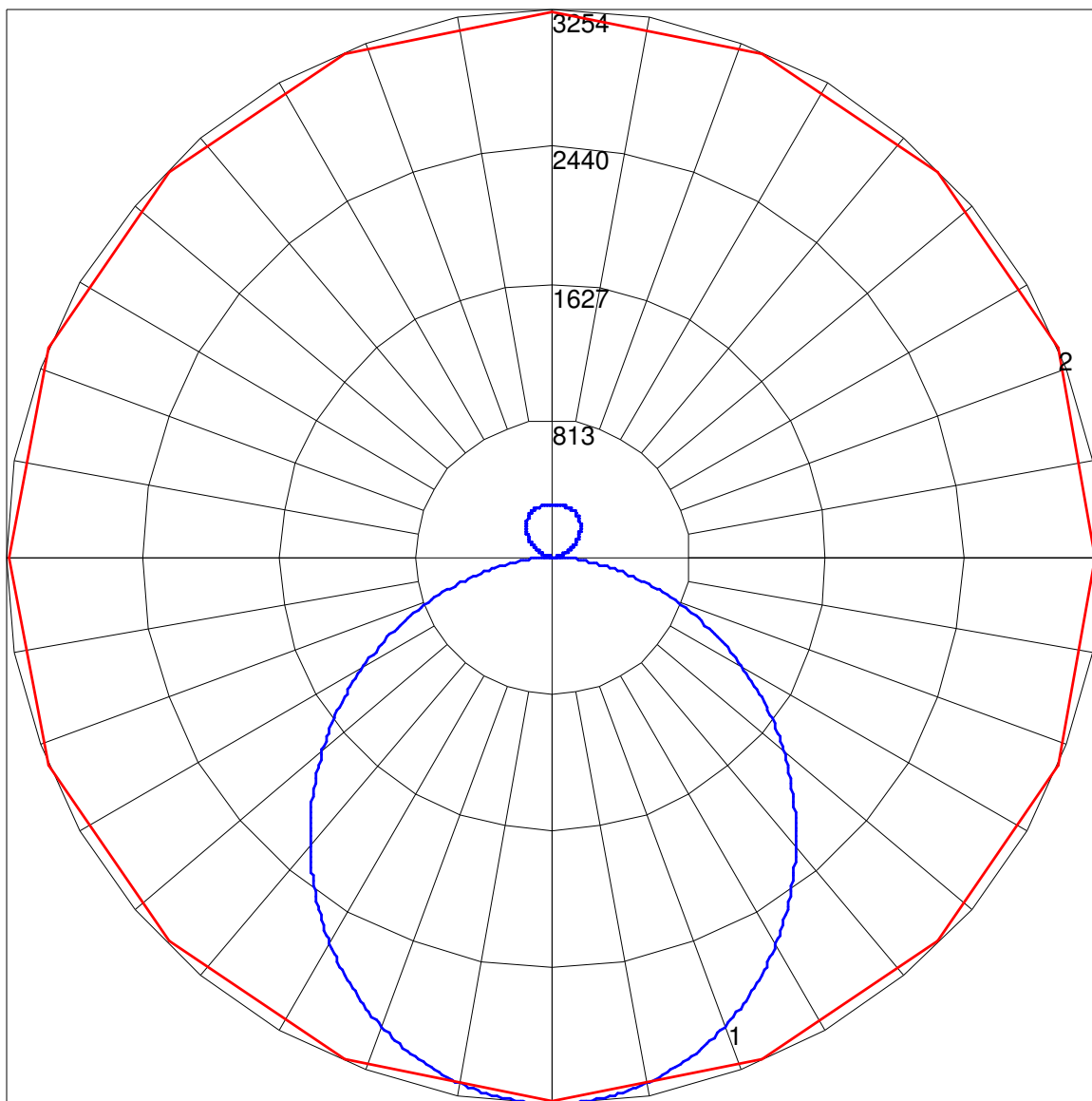
4H	2H	20.7	21.9	21.3	22.4	23.1	21.2	22.4	21.7	22.9	23.5
	3H	22.4	23.4	22.9	23.9	24.6	23.1	24.0	23.6	24.6	25.2
	4H	22.9	23.8	23.5	24.4	25.1	23.7	24.6	24.3	25.2	25.9
	6H	23.3	24.0	23.9	24.7	25.3	24.2	25.0	24.8	25.6	26.3
	8H	23.3	24.1	23.9	24.7	25.4	24.3	25.0	24.9	25.7	26.3
	12H	23.3	24.0	24.0	24.6	25.3	24.4	25.0	25.0	25.7	26.4

8H	4H	23.1	23.9	23.8	24.5	25.2	23.9	24.6	24.5	25.2	25.9
	6H	23.5	24.1	24.2	24.8	25.5	24.4	25.0	25.0	25.7	26.4
	8H	23.6	24.2	24.3	24.8	25.6	24.6	25.1	25.2	25.8	26.5
	12H	23.7	24.2	24.4	24.8	25.6	24.7	25.1	25.3	25.8	26.6

12H	4H	23.2	23.8	23.8	24.4	25.1	23.9	24.5	24.5	25.2	25.8
	6H	23.6	24.1	24.2	24.7	25.5	24.4	24.9	25.1	25.6	26.3
	8H	23.7	24.2	24.4	24.8	25.6	24.6	25.1	25.3	25.7	26.5

Maximum UGR = 26.6

POLAR GRAPH



Maximum Candela = 3253.869 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.)