



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-90U-10D-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 12731921.02  
[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-90U-10D-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	11119
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	78
Ballast Factor	1.00
CIE Type	Semi-Indirect
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)	3.77 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	3372	2695	2524
55	3200	2382	2184
65	2964	1958	1756
75	2407	1329	1144
85	1259	484	400

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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	508.394	508.394	508.394	508.394	508.394
0.5	514.325	508.496	506.553	508.700	505.325
1.0	514.223	508.496	506.655	508.700	505.428
1.5	514.019	508.394	506.553	508.803	505.428
2.0	513.814	508.189	506.450	508.803	505.632
2.5	513.712	507.985	506.450	509.007	505.939
3.0	513.405	507.780	506.348	509.110	506.246
3.5	513.098	507.473	506.246	509.212	506.655
4.0	512.791	507.269	506.041	509.314	507.166
4.5	512.280	506.860	505.837	509.416	507.678
5.0	511.871	506.450	505.632	509.519	508.087
5.5	511.360	506.041	505.428	509.519	508.598
6.0	510.848	505.632	505.121	509.621	509.007
6.5	510.235	505.223	504.712	509.519	509.416
7.0	509.621	504.712	504.303	509.416	509.723
7.5	509.110	504.098	503.894	509.212	509.825
8.0	508.394	503.485	503.485	508.905	509.825
8.5	507.678	502.871	502.973	508.496	509.621
9.0	506.962	502.257	502.462	507.985	509.212
9.5	506.246	501.439	501.746	507.371	508.598
10.0	505.325	500.621	501.030	506.655	507.882
10.5	504.507	499.905	500.212	505.837	507.064
11.0	503.689	499.087	499.394	505.019	506.041
11.5	502.666	498.166	498.576	504.200	504.916
12.0	501.746	497.246	497.655	503.178	503.791
12.5	500.826	496.223	496.632	502.257	502.564
13.0	499.803	495.201	495.712	501.132	501.337
13.5	498.780	494.178	494.689	499.905	500.007
14.0	497.553	493.053	493.564	498.576	498.678
14.5	496.326	491.826	492.337	497.246	497.246
15.0	494.996	490.598	491.212	495.916	495.712
15.5	493.769	489.371	490.087	494.587	494.178
16.0	492.439	488.144	488.860	493.155	492.644
16.5	491.007	486.814	487.735	491.826	491.212
17.0	489.576	485.485	486.405	490.496	489.576
17.5	488.144	484.053	485.178	489.064	487.837
18.0	486.610	482.621	483.848	487.632	486.098
18.5	485.076	481.189	482.519	486.201	484.360
19.0	483.439	479.757	481.087	484.667	482.621
19.5	481.803	478.121	479.553	483.132	480.780
20.0	480.064	476.587	478.019	481.394	478.837
20.5	478.223	474.848	476.280	479.655	476.996
21.0	476.485	473.212	474.644	477.712	475.053
21.5	474.644	471.473	472.803	475.667	473.212
22.0	472.803	469.735	470.962	473.723	471.269
22.5	470.860	467.996	469.121	471.576	469.428
23.0	468.917	466.155	467.178	469.530	467.383
23.5	466.871	464.314	465.133	467.485	465.133
24.0	464.826	462.371	463.087	465.337	462.883
24.5	462.678	460.326	461.042	463.189	460.530
25.0	460.633	458.383	458.894	461.042	458.280
25.5	458.485	456.337	456.746	458.792	455.928
26.0	456.337	454.292	454.496	456.440	453.576
26.5	454.087	452.042	452.144	454.087	451.121

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

27.0	451.735	449.792	449.792	451.633	448.667
27.5	449.383	447.542	447.440	449.178	446.110
28.0	447.030	445.292	444.883	446.621	443.656
28.5	444.678	442.940	442.428	444.065	441.099
29.0	442.224	440.485	439.871	441.610	438.542
29.5	439.667	438.031	437.315	439.053	435.883
30.0	437.110	435.576	434.656	436.496	433.224
30.5	434.451	432.917	431.997	434.042	430.565
31.0	431.894	430.360	429.440	431.383	427.803
31.5	429.235	427.701	426.781	428.724	425.144
32.0	426.474	425.042	424.122	426.065	422.281
32.5	423.815	422.281	421.258	423.201	419.519
33.0	420.951	419.519	418.497	420.440	416.656
33.5	418.088	416.656	415.633	417.576	413.690
34.0	415.122	413.792	412.769	414.713	410.826
34.5	412.258	410.929	409.906	411.644	407.758
35.0	409.292	407.963	406.940	408.474	404.690
35.5	406.326	405.099	403.872	405.304	401.519
36.0	403.258	402.031	400.804	401.929	398.451
36.5	400.088	398.963	397.633	398.656	395.383
37.0	396.917	395.792	394.565	395.281	392.213
37.5	393.747	392.622	391.395	391.906	389.042
38.0	390.679	389.451	388.224	388.633	385.872
38.5	387.508	386.281	385.054	385.361	382.599
39.0	384.338	383.008	381.986	382.190	379.429
39.5	381.167	379.736	378.713	378.917	376.156
40.0	377.895	376.463	375.338	375.645	372.883
40.5	374.520	373.088	371.963	372.372	369.508
41.0	371.247	369.815	368.588	369.099	366.236
41.5	367.974	366.440	365.111	365.724	363.065
42.0	364.702	363.065	361.736	362.349	359.690
42.5	361.327	359.588	358.258	359.077	356.418
43.0	357.952	356.213	354.679	355.702	353.043
43.5	354.474	352.736	351.304	352.224	349.565
44.0	350.997	349.361	347.827	348.849	346.088
44.5	347.520	345.884	344.349	345.372	342.713
45.0	343.940	342.509	340.872	341.793	339.236
45.5	340.463	338.929	337.395	338.213	335.656
46.0	336.884	335.350	334.020	334.634	332.179
46.5	333.304	331.668	330.645	331.054	328.600
47.0	329.725	327.884	327.168	327.475	325.122
47.5	326.247	324.304	323.691	323.895	321.543
48.0	322.668	320.622	320.213	320.316	317.861
48.5	318.986	316.838	316.634	316.634	314.179
49.0	315.304	313.157	313.054	313.054	310.497
49.5	311.520	309.373	309.475	309.373	306.918
50.0	307.736	305.691	305.895	305.588	303.236
50.5	303.952	301.907	302.213	301.804	299.554
51.0	300.270	298.123	298.532	297.918	295.873
51.5	296.384	294.339	294.748	294.134	292.191
52.0	292.600	290.554	290.964	290.350	288.407
52.5	288.714	286.770	287.180	286.566	284.725
53.0	284.725	282.884	283.293	282.680	280.941
53.5	280.839	279.100	279.407	278.793	277.157
54.0	276.952	275.316	275.521	274.907	273.373
54.5	273.066	271.430	271.634	271.021	269.486

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55.0	268.975	267.646	267.748	267.134	265.600
55.5	264.884	263.759	263.862	263.248	261.714
56.0	260.691	259.771	259.873	259.259	257.827
56.5	256.600	255.782	255.884	255.373	253.839
57.0	252.509	251.793	251.896	251.384	249.850
57.5	248.521	247.805	247.805	247.396	245.862
58.0	244.634	243.714	243.816	243.407	241.873
58.5	240.850	239.521	239.725	239.521	237.884
59.0	236.964	235.328	235.737	235.430	233.794
59.5	233.078	231.032	231.646	231.339	229.703
60.0	229.191	226.839	227.555	227.248	225.612
60.5	225.203	222.748	223.362	223.055	221.521
61.0	221.521	218.657	219.271	218.862	217.430
61.5	217.635	214.669	215.180	214.669	213.441
62.0	213.646	210.578	211.089	210.476	209.351
62.5	209.657	206.692	206.896	206.180	205.260
63.0	205.567	202.703	202.703	201.987	201.067
63.5	201.271	198.612	198.407	197.794	196.873
64.0	197.078	194.521	194.317	193.601	192.680
64.5	192.680	190.430	190.123	189.510	188.589
65.0	188.385	186.237	185.930	185.317	184.499
65.5	183.987	182.044	181.635	181.124	180.305
66.0	179.589	177.749	177.442	176.930	176.214
66.5	175.192	173.555	173.249	172.737	172.021
67.0	170.896	169.260	168.953	168.544	167.726
67.5	166.499	164.965	164.760	164.351	163.431
68.0	161.999	160.669	160.567	160.158	159.135
68.5	157.601	156.374	156.271	155.760	154.737
69.0	153.101	151.874	151.874	151.465	150.237
69.5	148.601	147.476	147.476	146.965	145.840
70.0	144.101	142.976	143.181	142.567	141.340
70.5	139.601	138.476	138.783	138.067	136.942
71.0	135.101	134.078	134.385	133.669	132.544
71.5	130.601	129.579	129.988	129.169	128.147
72.0	126.101	125.079	125.488	124.669	123.749
72.5	121.499	120.681	120.988	120.272	119.351
73.0	116.999	116.283	116.488	115.874	114.954
73.5	112.397	111.885	112.090	111.476	110.556
74.0	107.897	107.590	107.692	107.181	106.261
74.5	103.499	103.295	103.397	102.886	101.965
75.0	98.999	98.897	99.101	98.590	97.670
75.5	94.602	94.704	94.704	94.192	93.374
76.0	90.204	90.408	90.306	89.999	89.079
76.5	85.806	86.317	86.011	85.908	84.988
77.0	81.511	82.227	81.920	81.715	80.897
77.5	77.318	78.238	77.727	77.727	76.908
78.0	73.022	74.147	73.533	73.636	72.920
78.5	68.931	69.954	69.545	69.749	68.931
79.0	64.738	65.863	65.454	65.761	64.943
79.5	60.647	61.875	61.670	61.977	61.056
80.0	56.761	57.886	57.784	58.193	57.375
80.5	52.875	54.000	54.000	54.613	53.795
81.0	49.091	50.216	50.420	51.034	50.318
81.5	45.204	46.431	46.841	47.454	46.738
82.0	41.522	42.750	43.261	43.875	43.261
82.5	37.943	39.170	39.988	40.602	39.886

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**CANDELA TABULATION - (Cont.)**

83.0	34.466	35.795	36.716	37.329	36.716
83.5	31.091	32.625	33.647	34.261	33.545
84.0	27.920	29.454	30.682	31.295	30.682
84.5	24.954	26.488	27.818	28.432	27.920
85.0	21.988	23.625	25.159	25.773	25.261
85.5	19.227	21.068	22.602	23.318	22.704
86.0	16.568	18.613	20.250	20.966	20.352
86.5	14.216	16.466	18.102	18.920	18.102
87.0	12.170	14.420	16.261	17.079	16.057
87.5	10.329	12.682	14.523	15.341	14.216
88.0	8.795	11.148	12.886	13.909	12.682
88.5	7.773	9.920	11.659	12.682	11.250
89.0	6.852	8.898	10.534	11.148	9.409
89.5	6.341	8.386	9.409	9.716	7.568
90.0	6.545	8.898	9.716	10.023	7.670
90.5	4.602	10.227	9.614	8.182	7.261
91.0	6.341	15.954	18.716	17.079	16.364
91.5	9.000	20.352	27.613	27.716	26.898
92.0	12.273	24.341	32.727	36.716	36.920
92.5	16.261	31.295	36.920	41.420	42.545
93.0	20.863	47.659	41.522	45.920	47.045
93.5	26.182	75.170	46.738	51.238	52.363
94.0	32.011	109.022	52.875	56.965	58.295
94.5	38.557	141.953	61.465	62.999	64.227
95.0	45.818	174.476	79.056	69.852	70.977
95.5	54.000	205.567	115.976	77.727	78.443
96.0	62.795	231.953	185.112	88.158	86.624
96.5	72.511	259.873	272.146	109.226	97.261
97.0	82.943	289.429	372.270	157.499	118.738
97.5	93.886	315.611	472.496	233.487	166.601
98.0	105.647	345.372	564.439	328.395	240.748
98.5	118.124	374.417	613.938	450.303	332.384
99.0	131.317	402.747	645.949	590.723	452.349
99.5	145.328	433.019	690.029	733.903	599.007
100.0	159.749	466.564	742.699	875.652	758.039
100.5	174.987	497.757	788.925	981.913	911.447
101.0	190.430	525.064	830.755	1031.923	1058.514
101.5	206.589	556.973	870.334	1071.810	1155.672
102.0	223.055	590.416	911.447	1117.832	1201.695
102.5	240.339	623.245	953.481	1168.968	1242.604
103.0	258.134	654.131	997.049	1221.127	1292.717
103.5	276.236	685.324	1039.083	1271.240	1343.853
104.0	294.748	716.210	1077.946	1318.285	1391.921
104.5	313.566	749.039	1115.786	1360.216	1441.011
105.0	332.588	782.891	1150.559	1402.148	1488.056
105.5	352.122	812.959	1184.309	1443.057	1532.033
106.0	371.963	846.914	1218.058	1486.011	1572.942
106.5	392.520	881.175	1251.808	1528.965	1612.828
107.0	413.281	909.913	1285.558	1570.896	1653.737
107.5	434.553	937.629	1319.308	1611.805	1695.668
108.0	455.724	962.481	1354.080	1647.600	1735.554
108.5	477.303	984.981	1387.830	1680.327	1775.440
109.0	499.087	1011.060	1422.602	1714.077	1812.258
109.5	520.973	1038.060	1455.329	1747.827	1844.985
110.0	543.166	1064.651	1487.033	1780.554	1875.667
110.5	565.768	1088.173	1517.715	1812.258	1906.348

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**CANDELA TABULATION - (Cont.)**

111.0	588.575	1109.650	1547.374	1841.917	1936.007
111.5	611.279	1134.195	1576.010	1870.553	1965.666
112.0	634.290	1155.672	1604.646	1901.235	1994.302
112.5	657.199	1178.172	1631.237	1930.894	2021.916
113.0	679.904	1201.695	1657.828	1960.552	2049.529
113.5	702.301	1228.286	1685.441	1990.211	2077.142
114.0	724.596	1250.785	1712.032	2017.825	2105.778
114.5	747.403	1271.240	1738.622	2044.415	2132.369
115.0	770.414	1288.626	1766.236	2069.983	2159.983
115.5	793.119	1303.967	1791.804	2094.529	2185.551
116.0	816.334	1321.353	1815.326	2119.074	2210.096
116.5	839.959	1337.716	1839.872	2141.574	2233.618
117.0	863.379	1349.989	1864.417	2164.073	2256.118
117.5	886.800	1361.239	1889.985	2185.551	2277.595
118.0	909.913	1371.466	1914.530	2206.005	2298.050
118.5	933.027	1384.762	1936.007	2226.459	2318.504
119.0	955.731	1400.102	1952.371	2244.868	2336.913
119.5	978.742	1413.398	1969.757	2264.300	2355.322
120.0	1001.037	1425.670	1989.189	2282.709	2372.708
120.5	1022.719	1438.966	2007.597	2299.072	2390.094
121.0	1045.219	1453.284	2020.893	2315.436	2406.458
121.5	1066.696	1467.602	2034.188	2331.799	2421.799
122.0	1088.173	1482.943	2048.506	2346.117	2437.139
122.5	1109.650	1496.238	2063.847	2360.436	2451.458
123.0	1131.127	1509.533	2077.142	2373.731	2465.776
123.5	1151.582	1522.829	2088.392	2389.072	2478.048
124.0	1173.059	1534.079	2100.665	2407.481	2490.321
124.5	1194.536	1545.328	2112.938	2424.867	2501.571
125.0	1214.990	1556.578	2125.210	2438.162	2511.798
125.5	1235.445	1566.806	2136.460	2446.344	2524.071
126.0	1255.899	1578.055	2148.733	2452.480	2538.389
126.5	1275.331	1587.260	2157.937	2459.639	2554.752
127.0	1295.785	1597.487	2166.119	2470.889	2567.025
127.5	1315.217	1606.692	2172.255	2482.139	2574.184
128.0	1333.626	1615.896	2180.437	2489.298	2579.297
128.5	1353.057	1625.101	2187.596	2496.457	2583.388
129.0	1371.466	1635.328	2194.755	2502.593	2591.570
129.5	1389.875	1643.509	2202.937	2508.730	2600.774
130.0	1408.284	1653.737	2212.141	2513.843	2607.934
130.5	1426.693	1662.941	2219.300	2516.912	2612.024
131.0	1445.102	1671.123	2224.414	2519.980	2617.138
131.5	1463.511	1680.327	2226.459	2524.071	2622.252
132.0	1480.897	1689.532	2226.459	2529.184	2625.320
132.5	1499.306	1697.714	2226.459	2534.298	2628.388
133.0	1516.692	1706.918	2226.459	2538.389	2631.456
133.5	1535.101	1715.100	2225.437	2543.502	2634.524
134.0	1552.487	1723.282	2222.368	2546.570	2637.592
134.5	1569.874	1731.463	2220.323	2548.616	2640.661
135.0	1587.260	1738.622	2220.323	2550.661	2641.683
135.5	1604.646	1746.804	2220.323	2550.661	2642.706
136.0	1622.032	1753.963	2220.323	2548.616	2643.729
136.5	1639.419	1761.122	2221.346	2547.593	2643.729
137.0	1656.805	1768.281	2222.368	2548.616	2644.751
137.5	1673.168	1775.440	2223.391	2551.684	2641.683
138.0	1690.555	1783.622	2225.437	2555.775	2639.638
138.5	1706.918	1790.781	2225.437	2555.775	2636.570

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

139.0	1722.259	1798.963	2226.459	2550.661	2632.479
139.5	1738.622	1807.145	2227.482	2543.502	2630.433
140.0	1753.963	1815.326	2227.482	2536.343	2632.479
140.5	1768.281	1824.531	2227.482	2529.184	2633.501
141.0	1783.622	1834.758	2226.459	2522.025	2629.411
141.5	1797.940	1844.985	2226.459	2512.821	2620.206
142.0	1812.258	1856.235	2225.437	2503.616	2609.979
142.5	1826.576	1868.508	2224.414	2496.457	2600.774
143.0	1839.872	1880.780	2223.391	2491.344	2592.593
143.5	1854.190	1893.053	2221.346	2485.207	2582.366
144.0	1866.462	1905.326	2220.323	2480.094	2571.116
144.5	1880.780	1916.575	2217.255	2476.003	2560.888
145.0	1893.053	1928.848	2215.209	2470.889	2553.729
145.5	1906.348	1941.121	2213.164	2465.776	2546.570
146.0	1918.621	1953.393	2210.096	2459.639	2540.434
146.5	1930.894	1964.643	2207.028	2454.526	2534.298
147.0	1943.166	1975.893	2203.960	2449.412	2528.161
147.5	1954.416	1988.166	2200.891	2443.276	2522.025
148.0	1967.711	1999.416	2197.823	2437.139	2515.889
148.5	1978.961	2010.666	2194.755	2431.003	2507.707
149.0	1990.211	2020.893	2190.664	2424.867	2500.548
149.5	2001.461	2031.120	2186.573	2418.730	2493.389
150.0	2013.734	2040.324	2182.482	2411.571	2485.207
150.5	2023.961	2049.529	2178.392	2404.412	2478.048
151.0	2035.211	2058.733	2174.301	2398.276	2469.866
151.5	2046.461	2067.938	2170.210	2390.094	2460.662
152.0	2056.688	2077.142	2166.119	2382.935	2451.458
152.5	2066.915	2086.347	2162.028	2374.754	2442.253
153.0	2077.142	2095.551	2157.937	2366.572	2432.026
153.5	2087.370	2105.778	2153.846	2358.390	2421.799
154.0	2097.597	2113.960	2152.824	2350.208	2411.571
154.5	2106.801	2123.165	2150.778	2341.004	2401.344
155.0	2117.028	2132.369	2150.778	2330.777	2390.094
155.5	2126.233	2141.574	2152.824	2321.572	2379.867
156.0	2135.437	2149.755	2154.869	2311.345	2368.617
156.5	2143.619	2158.960	2157.937	2300.095	2356.345
157.0	2152.824	2167.142	2164.073	2289.868	2345.095
157.5	2161.005	2175.323	2172.255	2279.641	2332.822
158.0	2169.187	2183.505	2182.482	2269.414	2320.549
158.5	2177.369	2191.687	2191.687	2259.186	2308.277
159.0	2185.551	2198.846	2199.869	2249.982	2297.027
159.5	2192.710	2206.005	2208.050	2240.777	2284.754
160.0	2200.891	2213.164	2216.232	2235.664	2273.504
160.5	2208.050	2220.323	2223.391	2232.596	2262.254
161.0	2215.209	2227.482	2231.573	2230.550	2254.073
161.5	2222.368	2233.618	2238.732	2229.527	2247.936
162.0	2228.505	2239.755	2245.891	2233.618	2244.868
162.5	2235.664	2245.891	2252.027	2240.777	2241.800
163.0	2241.800	2252.027	2256.118	2251.005	2241.800
163.5	2247.936	2257.141	2260.209	2261.232	2246.914
164.0	2254.073	2262.254	2264.300	2268.391	2256.118
164.5	2259.186	2268.391	2268.391	2274.527	2267.368
165.0	2264.300	2273.504	2272.482	2280.663	2274.527
165.5	2269.414	2277.595	2276.573	2287.822	2279.641
166.0	2274.527	2282.709	2280.663	2294.981	2285.777
166.5	2278.618	2286.800	2284.754	2299.072	2291.913

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

167.0	2282.709	2291.913	2287.822	2302.141	2298.050
167.5	2286.800	2296.004	2291.913	2305.209	2303.163
168.0	2291.913	2300.095	2294.981	2307.254	2306.231
168.5	2294.981	2303.163	2298.050	2309.300	2307.254
169.0	2299.072	2307.254	2301.118	2311.345	2309.300
169.5	2302.141	2310.322	2304.186	2314.413	2311.345
170.0	2305.209	2313.390	2306.231	2316.459	2313.390
170.5	2308.277	2316.459	2308.277	2318.504	2316.459
171.0	2310.322	2319.527	2311.345	2320.549	2318.504
171.5	2313.390	2321.572	2313.390	2322.595	2320.549
172.0	2316.459	2323.618	2315.436	2324.640	2322.595
172.5	2318.504	2325.663	2317.481	2326.686	2323.618
173.0	2320.549	2327.709	2319.527	2328.731	2325.663
173.5	2322.595	2329.754	2321.572	2330.777	2327.709
174.0	2324.640	2331.799	2322.595	2331.799	2329.754
174.5	2325.663	2332.822	2324.640	2333.845	2330.777
175.0	2327.709	2333.845	2325.663	2334.868	2331.799
175.5	2327.709	2334.868	2326.686	2335.890	2332.822
176.0	2328.731	2335.890	2327.709	2336.913	2333.845
176.5	2329.754	2336.913	2328.731	2337.936	2334.868
177.0	2330.777	2337.936	2329.754	2337.936	2334.868
177.5	2330.777	2338.958	2329.754	2338.958	2335.890
178.0	2331.799	2339.981	2330.777	2339.981	2335.890
178.5	2331.799	2339.981	2330.777	2339.981	2336.913
179.0	2332.822	2341.004	2331.799	2339.981	2337.936
179.5	2332.822	2341.004	2331.799	2341.004	2338.958
180.0	2336.913	2336.913	2336.913	2336.913	2336.913



**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	187.64	N.A.	1.70
0-30	399.31	N.A.	3.60
0-40	654.12	N.A.	5.90
0-60	1156.61	N.A.	10.40
0-80	1444.99	N.A.	13.00
0-90	1474.83	N.A.	13.30
10-90	1426.46	N.A.	12.80
20-40	466.48	N.A.	4.20
20-50	730.05	N.A.	6.60
40-70	686.23	N.A.	6.20
60-80	288.39	N.A.	2.60
70-80	104.64	N.A.	0.90
80-90	29.83	N.A.	0.30
90-110	1298.73	N.A.	11.70
90-120	2919.18	N.A.	26.30
90-130	4699.07	N.A.	42.30
90-150	7752.66	N.A.	69.70
90-180	9644.06	N.A.	86.70
110-180	8345.33	N.A.	75.10
0-180	11118.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	48.36
10-20	139.28
20-30	211.67
30-40	254.81
40-50	263.57
50-60	238.92
60-70	183.74
70-80	104.64
80-90	29.83
90-100	192.27
100-110	1106.45
110-120	1620.45
120-130	1779.9
130-140	1666.2
140-150	1387.39
150-160	1027.26
160-170	642.26
170-180	221.88

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-90U-10D-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	98	98	98	98	86	86	86	86	63	63	63	42	42	42	22	22	22	13
1	90	85	82	78	78	75	72	69	55	53	51	37	35	34	20	19	19	11
2	81	74	69	64	71	65	61	56	48	45	42	32	30	29	17	16	16	9
3	74	65	58	53	64	57	52	47	42	38	35	28	26	24	15	14	13	8
4	68	58	50	44	59	51	44	40	37	33	30	25	22	20	13	12	11	7
5	62	51	43	38	54	45	38	34	33	29	26	22	20	18	12	11	10	6
6	57	45	38	32	49	40	34	29	30	25	22	20	17	15	11	10	9	5
7	52	41	33	28	46	36	30	25	27	22	19	18	15	13	10	9	7	4
8	48	37	30	25	42	32	26	22	24	20	17	16	14	12	9	8	7	4
9	45	33	26	22	39	29	23	19	22	18	15	15	12	10	8	7	6	4
10	42	30	24	19	36	27	21	17	20	16	13	14	11	9	8	6	5	3

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-90U-10D-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

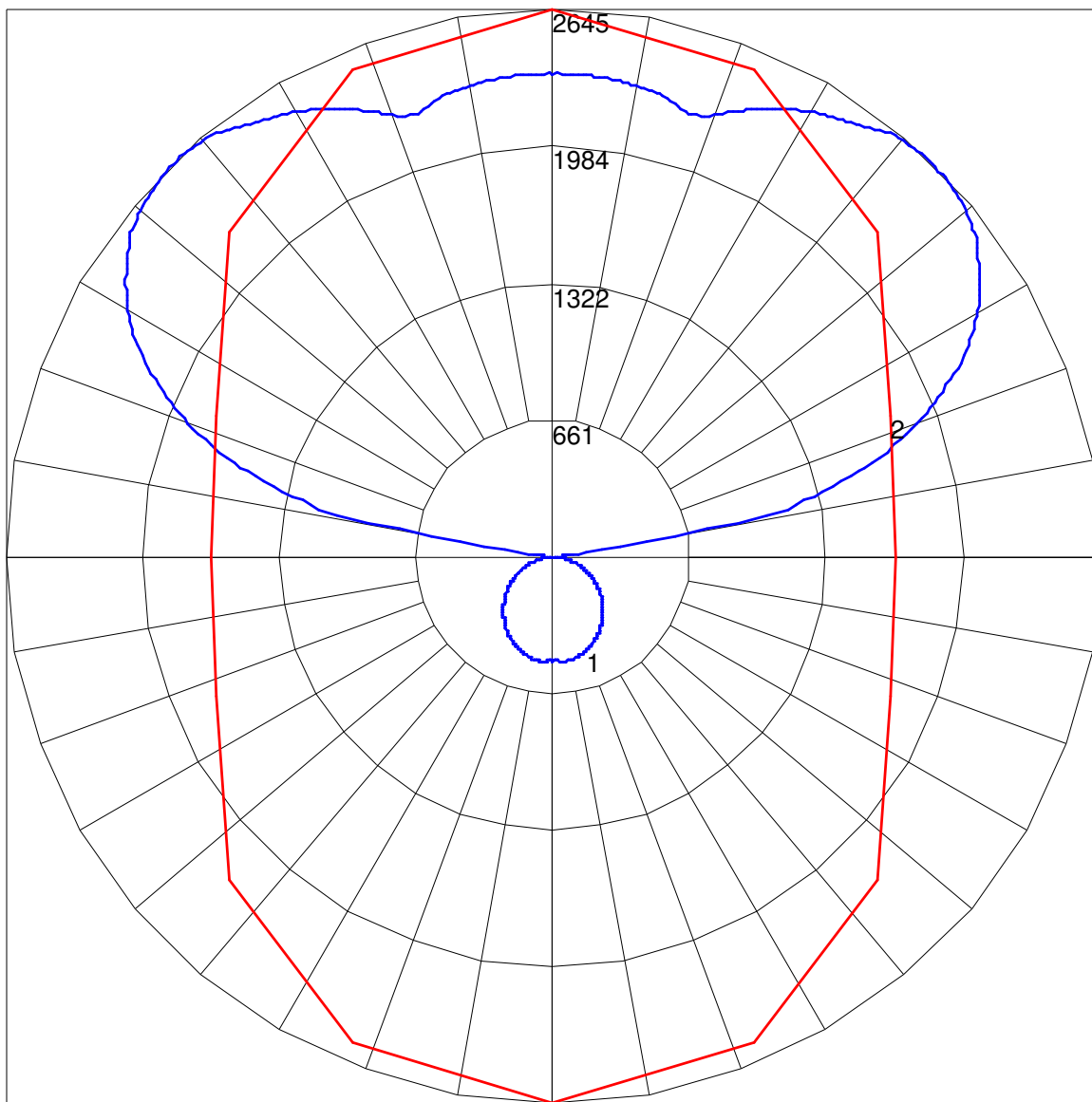
X=2H	Y=2H	8.4	8.4	8.4	8.4	9.2	8.4	8.4	8.4	8.4	10.0
	3H	8.4	8.4	8.4	8.9	10.7	8.4	8.8	9.4	10.0	11.7
	4H	8.4	8.4	8.9	9.4	11.1	8.8	9.3	10.0	10.5	12.3
	6H	8.4	8.4	9.1	9.6	11.3	9.2	9.7	10.4	10.9	12.6
	8H	8.4	8.4	9.1	9.6	11.3	9.3	9.7	10.5	11.0	12.7
	12H	8.4	8.4	9.1	9.5	11.3	9.3	9.8	10.6	11.0	12.7

### UGR Viewed Endwise

4H	2H	8.4	8.4	8.4	8.4	9.7	8.4	8.4	8.4	8.6	10.3
	3H	8.4	8.4	9.1	9.5	11.3	8.7	9.2	10.0	10.4	12.1
	4H	8.4	8.8	9.7	10.0	11.8	9.4	9.8	10.7	11.0	12.8
	6H	8.7	9.1	10.0	10.3	12.1	9.9	10.3	11.2	11.5	13.2
	8H	8.8	9.1	10.1	10.3	12.1	10.1	10.4	11.3	11.6	13.4
	12H	8.8	9.1	10.1	10.3	12.1	10.1	10.4	11.4	11.6	13.4
8H	4H	8.6	8.9	9.9	10.2	11.9	9.5	9.8	10.8	11.1	12.8
	6H	9.0	9.3	10.3	10.6	12.3	10.1	10.4	11.3	11.6	13.4
	8H	9.1	9.4	10.4	10.6	12.4	10.3	10.5	11.6	11.8	13.5
	12H	9.2	9.3	10.4	10.6	12.4	10.4	10.6	11.7	11.8	13.6
12H	4H	8.6	8.9	9.8	10.1	11.9	9.5	9.8	10.7	11.0	12.8
	6H	9.0	9.3	10.3	10.5	12.3	10.1	10.3	11.3	11.6	13.3
	8H	9.2	9.3	10.4	10.6	12.4	10.3	10.5	11.5	11.7	13.5

Maximum UGR = 13.6

POLAR GRAPH



Maximum Candela = 2644.751 Located At Horizontal Angle = 90, Vertical Angle = 137  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (137) (Through Max. Cd.)