



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-100U-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 12731921.01

[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-100U-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	10252
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	78
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.77 ft
Luminous Width (90-270)	0.40 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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	0.000	0.000	0.000	0.000	0.000
0.5	0.000	0.000	0.000	0.000	0.000
1.0	0.000	0.000	0.000	0.000	0.000
1.5	0.000	0.000	0.000	0.000	0.000
2.0	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000
3.0	0.000	0.000	0.000	0.000	0.000
3.5	0.000	0.000	0.000	0.000	0.000
4.0	0.000	0.000	0.000	0.000	0.000
4.5	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000
5.5	0.000	0.000	0.000	0.000	0.000
6.0	0.000	0.000	0.000	0.000	0.000
6.5	0.000	0.000	0.000	0.000	0.000
7.0	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000
8.0	0.000	0.000	0.000	0.000	0.000
8.5	0.000	0.000	0.000	0.000	0.000
9.0	0.000	0.000	0.000	0.000	0.000
9.5	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000
10.5	0.000	0.000	0.000	0.000	0.000
11.0	0.000	0.000	0.000	0.000	0.000
11.5	0.000	0.000	0.000	0.000	0.000
12.0	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000
13.0	0.000	0.000	0.000	0.000	0.000
13.5	0.000	0.000	0.000	0.000	0.000
14.0	0.000	0.000	0.000	0.000	0.000
14.5	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000
15.5	0.000	0.000	0.000	0.000	0.000
16.0	0.000	0.000	0.000	0.000	0.000
16.5	0.000	0.000	0.000	0.000	0.000
17.0	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000
18.0	0.000	0.000	0.000	0.000	0.000
18.5	0.000	0.000	0.000	0.000	0.000
19.0	0.000	0.000	0.000	0.000	0.000
19.5	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000
20.5	0.000	0.000	0.000	0.000	0.000
21.0	0.000	0.000	0.000	0.000	0.000
21.5	0.000	0.000	0.000	0.000	0.000
22.0	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000
23.0	0.000	0.000	0.000	0.000	0.000
23.5	0.000	0.000	0.000	0.000	0.000
24.0	0.000	0.000	0.000	0.000	0.000
24.5	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000
25.5	0.000	0.000	0.000	0.000	0.000
26.0	0.000	0.000	0.000	0.000	0.000
26.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

27.0	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000
28.0	0.000	0.000	0.000	0.000	0.000
28.5	0.000	0.000	0.000	0.000	0.000
29.0	0.000	0.000	0.000	0.000	0.000
29.5	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000
30.5	0.000	0.000	0.000	0.000	0.000
31.0	0.000	0.000	0.000	0.000	0.000
31.5	0.000	0.000	0.000	0.000	0.000
32.0	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000
33.0	0.000	0.000	0.000	0.000	0.000
33.5	0.000	0.000	0.000	0.000	0.000
34.0	0.000	0.000	0.000	0.000	0.000
34.5	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000
35.5	0.000	0.000	0.000	0.000	0.000
36.0	0.000	0.000	0.000	0.000	0.000
36.5	0.000	0.000	0.000	0.000	0.000
37.0	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000
38.0	0.000	0.000	0.000	0.000	0.000
38.5	0.000	0.000	0.000	0.000	0.000
39.0	0.000	0.000	0.000	0.000	0.000
39.5	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000
40.5	0.000	0.000	0.000	0.000	0.000
41.0	0.000	0.000	0.000	0.000	0.000
41.5	0.000	0.000	0.000	0.000	0.000
42.0	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000
43.0	0.000	0.000	0.000	0.000	0.000
43.5	0.000	0.000	0.000	0.000	0.000
44.0	0.000	0.000	0.000	0.000	0.000
44.5	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000
45.5	0.000	0.000	0.000	0.000	0.000
46.0	0.000	0.000	0.000	0.000	0.000
46.5	0.000	0.000	0.000	0.000	0.000
47.0	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000
48.0	0.000	0.000	0.000	0.000	0.000
48.5	0.000	0.000	0.000	0.000	0.000
49.0	0.000	0.000	0.000	0.000	0.000
49.5	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000
50.5	0.000	0.000	0.000	0.000	0.000
51.0	0.000	0.000	0.000	0.000	0.000
51.5	0.000	0.000	0.000	0.000	0.000
52.0	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000
53.0	0.000	0.000	0.000	0.000	0.000
53.5	0.000	0.000	0.000	0.000	0.000
54.0	0.000	0.000	0.000	0.000	0.000
54.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-100U-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

55.0	0.000	0.000	0.000	0.000	0.000
55.5	0.000	0.000	0.000	0.000	0.000
56.0	0.000	0.000	0.000	0.000	0.000
56.5	0.000	0.000	0.000	0.000	0.000
57.0	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000
58.0	0.000	0.000	0.000	0.000	0.000
58.5	0.000	0.000	0.000	0.000	0.000
59.0	0.000	0.000	0.000	0.000	0.000
59.5	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000
60.5	0.000	0.000	0.000	0.000	0.000
61.0	0.000	0.000	0.000	0.000	0.000
61.5	0.000	0.000	0.000	0.000	0.000
62.0	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000
63.0	0.000	0.000	0.000	0.000	0.000
63.5	0.000	0.000	0.000	0.000	0.000
64.0	0.000	0.000	0.000	0.000	0.000
64.5	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000
65.5	0.000	0.000	0.000	0.000	0.000
66.0	0.000	0.000	0.000	0.000	0.000
66.5	0.000	0.000	0.000	0.000	0.000
67.0	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000
68.0	0.000	0.000	0.000	0.000	0.000
68.5	0.000	0.000	0.000	0.000	0.000
69.0	0.000	0.000	0.000	0.000	0.000
69.5	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000
70.5	0.000	0.000	0.000	0.000	0.000
71.0	0.000	0.000	0.000	0.000	0.000
71.5	0.000	0.000	0.000	0.000	0.000
72.0	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000
73.0	0.000	0.000	0.000	0.000	0.000
73.5	0.000	0.000	0.000	0.000	0.000
74.0	0.000	0.000	0.000	0.000	0.000
74.5	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000
75.5	0.000	0.000	0.000	0.000	0.000
76.0	0.000	0.000	0.000	0.000	0.000
76.5	0.000	0.000	0.000	0.000	0.000
77.0	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000
78.0	0.000	0.000	0.000	0.000	0.000
78.5	0.000	0.000	0.000	0.000	0.000
79.0	0.000	0.000	0.000	0.000	0.000
79.5	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000
80.5	0.000	0.000	0.000	0.000	0.000
81.0	0.000	0.000	0.000	0.000	0.000
81.5	0.000	0.000	0.000	0.000	0.000
82.0	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000

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## CANDELA TABULATION - (Cont.)

83.0	0.000	0.000	0.000	0.000	0.000
83.5	0.000	0.000	0.000	0.000	0.000
84.0	0.000	0.000	0.000	0.000	0.000
84.5	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000
85.5	0.000	0.000	0.000	0.000	0.000
86.0	0.000	0.000	0.000	0.000	0.000
86.5	0.000	0.000	0.000	0.000	0.000
87.0	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000
88.0	0.000	0.000	0.000	0.000	0.000
88.5	0.000	0.000	0.000	0.000	0.000
89.0	0.000	0.000	0.000	0.000	0.000
89.5	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000
90.5	2.863	10.225	13.089	13.600	13.293
91.0	5.010	15.849	19.531	20.451	19.735
91.5	8.078	20.655	27.097	27.915	27.200
92.0	11.964	24.950	34.051	36.300	35.380
92.5	16.667	32.619	38.959	43.969	43.969
93.0	21.882	50.105	44.174	49.491	50.309
93.5	28.018	83.848	50.002	55.217	56.035
94.0	34.971	120.046	56.956	61.659	62.068
94.5	42.844	151.745	66.363	68.715	69.124
95.0	51.434	182.319	82.110	76.384	76.588
95.5	60.841	212.689	117.592	84.973	84.871
96.0	70.862	244.081	191.624	95.812	93.869
96.5	81.803	274.348	296.741	115.343	103.686
97.0	93.358	305.535	386.316	153.790	122.603
97.5	105.833	337.541	464.234	222.403	162.175
98.0	118.819	369.444	555.649	331.917	221.687
98.5	132.624	399.200	626.511	471.698	321.589
99.0	147.144	429.876	675.184	596.039	464.540
99.5	162.073	461.371	717.824	711.075	607.798
100.0	177.820	495.728	761.384	827.542	730.606
100.5	194.078	528.960	806.887	944.521	857.094
101.0	211.052	559.841	855.458	1045.037	980.617
101.5	228.436	593.176	903.824	1109.457	1100.254
102.0	246.637	628.454	946.464	1156.494	1211.711
102.5	265.452	665.981	988.593	1202.508	1277.154
103.0	284.266	703.508	1034.812	1251.590	1325.213
103.5	303.695	738.172	1078.781	1292.492	1371.228
104.0	323.839	772.939	1117.637	1340.551	1421.332
104.5	344.085	803.820	1150.359	1399.859	1461.211
105.0	364.740	833.984	1183.080	1453.031	1504.158
105.5	386.009	868.751	1218.869	1492.910	1558.353
106.0	407.380	904.744	1256.703	1531.766	1614.592
106.5	429.058	931.433	1295.560	1574.713	1658.562
107.0	450.941	958.019	1331.348	1620.728	1695.373
107.5	473.130	988.286	1367.137	1661.629	1734.230
108.0	495.728	1022.234	1401.904	1696.396	1779.221
108.5	518.428	1053.217	1436.670	1727.072	1824.213
109.0	541.538	1078.781	1471.437	1756.726	1864.092
109.5	564.954	1105.367	1507.226	1787.402	1895.791
110.0	587.757	1128.885	1541.992	1821.146	1922.377
110.5	611.173	1156.494	1575.736	1855.912	1949.986

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**CANDELA TABULATION - (Cont.)**

111.0	634.589	1184.103	1608.457	1890.678	1979.639
111.5	658.516	1207.621	1640.156	1924.422	2009.293
112.0	682.648	1232.162	1672.877	1957.144	2039.969
112.5	706.883	1254.658	1706.621	1987.820	2069.623
113.0	731.015	1273.064	1741.387	2019.519	2099.277
113.5	755.249	1288.402	1773.086	2049.172	2126.885
114.0	779.381	1306.807	1800.695	2078.826	2155.517
114.5	803.206	1327.258	1825.236	2106.435	2183.125
115.0	826.929	1346.687	1849.777	2133.021	2209.711
115.5	850.959	1364.070	1877.385	2159.607	2236.297
116.0	874.682	1381.453	1907.039	2186.193	2261.861
116.5	898.814	1398.836	1936.693	2211.756	2288.447
117.0	923.355	1417.242	1968.392	2236.297	2312.988
117.5	947.691	1435.648	1993.955	2261.861	2338.551
118.0	972.130	1455.076	2011.338	2287.424	2362.070
118.5	996.364	1473.482	2027.699	2314.010	2385.588
119.0	1019.780	1490.865	2045.082	2340.596	2409.107
119.5	1044.014	1508.248	2063.488	2367.183	2431.603
120.0	1066.510	1525.631	2082.916	2389.678	2454.099
120.5	1090.029	1543.014	2104.389	2408.084	2479.662
121.0	1113.547	1560.398	2123.818	2422.400	2504.203
121.5	1136.043	1576.758	2141.201	2435.693	2528.744
122.0	1159.562	1594.141	2156.539	2453.076	2548.172
122.5	1183.080	1611.525	2171.877	2474.549	2562.488
123.0	1206.598	1627.885	2186.193	2499.090	2574.758
123.5	1229.094	1644.246	2198.463	2522.609	2586.006
124.0	1251.590	1660.607	2209.711	2537.947	2601.344
124.5	1275.109	1675.945	2221.982	2548.172	2620.773
125.0	1297.605	1690.260	2235.275	2557.375	2644.291
125.5	1321.123	1704.576	2252.658	2565.555	2666.787
126.0	1343.619	1717.869	2266.973	2575.781	2681.103
126.5	1366.115	1731.162	2278.221	2586.006	2690.305
127.0	1388.611	1744.455	2287.424	2597.254	2697.463
127.5	1410.084	1756.726	2295.605	2609.525	2703.599
128.0	1430.535	1768.996	2301.740	2620.773	2710.756
128.5	1452.008	1780.244	2308.898	2632.021	2719.959
129.0	1472.459	1791.492	2318.101	2642.246	2729.162
129.5	1492.910	1802.740	2326.281	2650.426	2738.365
130.0	1513.361	1813.988	2333.439	2657.584	2746.545
130.5	1533.812	1824.213	2336.506	2663.719	2754.726
131.0	1553.240	1834.439	2337.529	2666.787	2761.883
131.5	1573.691	1844.664	2340.596	2669.855	2769.041
132.0	1593.119	1853.867	2344.687	2672.922	2774.154
132.5	1612.547	1864.092	2349.799	2679.058	2778.244
133.0	1631.976	1873.295	2355.935	2686.215	2781.312
133.5	1651.404	1882.498	2361.047	2692.351	2782.334
134.0	1669.810	1891.701	2366.160	2694.396	2784.379
134.5	1689.238	1899.881	2371.273	2692.351	2785.402
135.0	1707.644	1909.084	2376.385	2691.328	2789.492
135.5	1726.049	1918.287	2380.476	2690.305	2795.627
136.0	1744.455	1926.467	2385.588	2692.351	2799.717
136.5	1762.861	1935.670	2389.678	2695.418	2796.650
137.0	1782.289	1943.851	2393.769	2697.463	2791.537
137.5	1800.695	1952.031	2396.836	2695.418	2788.469
138.0	1818.078	1960.211	2400.926	2691.328	2787.447
138.5	1836.484	1968.392	2403.994	2686.215	2787.447

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**CANDELA TABULATION - (Cont.)**

139.0	1853.867	1977.594	2407.062	2682.125	2789.492
139.5	1871.250	1986.797	2410.129	2680.080	2787.447
140.0	1888.633	1998.045	2412.174	2679.058	2781.312
140.5	1904.994	2009.293	2414.219	2679.058	2775.176
141.0	1921.355	2021.564	2416.264	2678.035	2768.019
141.5	1936.693	2032.812	2418.310	2677.012	2762.906
142.0	1953.053	2045.082	2419.332	2677.012	2758.816
142.5	1968.392	2057.353	2421.377	2675.990	2755.748
143.0	1984.752	2067.578	2422.400	2673.945	2753.703
143.5	1999.068	2078.826	2422.400	2672.922	2751.658
144.0	2014.406	2089.051	2423.422	2670.877	2748.590
144.5	2029.744	2098.254	2422.400	2667.810	2746.545
145.0	2044.060	2108.480	2422.400	2665.765	2743.478
145.5	2058.375	2117.683	2422.400	2662.697	2740.410
146.0	2072.691	2126.885	2421.377	2659.629	2736.320
146.5	2087.006	2136.088	2419.332	2655.539	2732.230
147.0	2101.322	2145.291	2418.310	2652.471	2728.140
147.5	2114.615	2154.494	2416.264	2648.381	2724.049
148.0	2128.930	2164.719	2413.197	2643.269	2718.937
148.5	2142.223	2173.922	2411.152	2639.178	2713.824
149.0	2155.517	2183.125	2408.084	2634.066	2707.689
149.5	2167.787	2192.328	2406.039	2628.953	2702.576
150.0	2181.080	2201.531	2401.949	2623.840	2696.441
150.5	2193.351	2209.711	2398.881	2618.728	2689.283
151.0	2205.621	2218.914	2394.791	2613.615	2683.148
151.5	2217.892	2228.117	2391.724	2607.480	2677.012
152.0	2230.162	2237.320	2387.633	2600.322	2669.855
152.5	2241.410	2246.523	2383.543	2594.187	2662.697
153.0	2252.658	2254.703	2379.453	2587.029	2655.539
153.5	2264.928	2263.906	2376.385	2578.849	2648.381
154.0	2275.154	2272.086	2373.318	2570.668	2640.201
154.5	2286.402	2281.289	2371.273	2562.488	2630.998
155.0	2296.627	2289.469	2369.228	2554.308	2621.795
155.5	2306.853	2297.650	2369.228	2545.105	2612.592
156.0	2317.078	2306.853	2373.318	2534.879	2602.367
156.5	2327.303	2315.033	2378.430	2525.676	2591.119
157.0	2336.506	2323.213	2383.543	2515.451	2579.871
157.5	2346.732	2331.394	2388.656	2505.226	2568.623
158.0	2355.935	2339.574	2393.769	2493.978	2557.375
158.5	2364.115	2347.754	2396.836	2484.775	2545.105
159.0	2373.318	2354.912	2398.881	2474.549	2532.834
159.5	2382.521	2363.092	2401.949	2466.369	2520.564
160.0	2390.701	2370.250	2403.994	2459.211	2508.293
160.5	2398.881	2378.430	2406.039	2452.053	2497.045
161.0	2406.039	2385.588	2409.107	2451.031	2486.820
161.5	2413.197	2392.746	2411.152	2452.053	2477.617
162.0	2421.377	2398.881	2414.219	2455.121	2469.437
162.5	2428.535	2405.017	2416.264	2458.189	2469.437
163.0	2435.693	2411.152	2418.310	2459.211	2470.459
163.5	2441.828	2417.287	2421.377	2458.189	2473.527
164.0	2448.986	2423.422	2423.422	2457.166	2476.594
164.5	2455.121	2428.535	2426.490	2456.144	2475.572
165.0	2461.256	2433.648	2429.558	2455.121	2473.527
165.5	2466.369	2438.760	2432.625	2455.121	2471.482
166.0	2472.504	2443.873	2435.693	2454.099	2470.459
166.5	2477.617	2448.986	2438.760	2454.099	2468.414

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CANDELA TABULATION - (Cont.)

167.0	2482.730	2454.099	2440.805	2454.099	2467.392
167.5	2487.842	2458.189	2443.873	2455.121	2466.369
168.0	2492.955	2462.279	2446.941	2455.121	2466.369
168.5	2497.045	2466.369	2448.986	2457.166	2466.369
169.0	2501.135	2470.459	2452.053	2458.189	2466.369
169.5	2505.226	2473.527	2455.121	2459.211	2466.369
170.0	2509.316	2477.617	2457.166	2460.234	2467.392
170.5	2512.383	2480.685	2460.234	2461.256	2467.392
171.0	2516.474	2483.752	2462.279	2462.279	2468.414
171.5	2519.541	2486.820	2464.324	2464.324	2469.437
172.0	2521.586	2488.865	2467.392	2465.346	2470.459
172.5	2524.654	2491.933	2469.437	2466.369	2470.459
173.0	2526.699	2493.978	2470.459	2468.414	2471.482
173.5	2529.767	2496.023	2472.504	2469.437	2472.504
174.0	2530.789	2498.068	2474.549	2470.459	2473.527
174.5	2532.834	2500.113	2475.572	2471.482	2474.549
175.0	2534.879	2501.135	2477.617	2472.504	2475.572
175.5	2535.902	2503.180	2478.639	2473.527	2476.594
176.0	2536.924	2504.203	2479.662	2474.549	2477.617
176.5	2537.947	2505.226	2479.662	2475.572	2478.639
177.0	2538.969	2506.248	2480.685	2476.594	2479.662
177.5	2539.992	2507.271	2481.707	2477.617	2480.685
178.0	2541.014	2507.271	2481.707	2477.617	2481.707
178.5	2541.014	2508.293	2481.707	2477.617	2481.707
179.0	2541.014	2508.293	2482.730	2478.639	2482.730
179.5	2541.014	2508.293	2482.730	2478.639	2482.730
180.0	2496.023	2496.023	2496.023	2496.023	2496.023



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

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	1343.95	N.A.	13.10
90-120	3033.4	N.A.	29.60
90-130	4918.78	N.A.	48.00
90-150	8203.37	N.A.	80.00
90-180	10252.47	N.A.	100.00
110-180	8908.52	N.A.	86.90
0-180	10252.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	198.41
100-110	1145.54
110-120	1689.45
120-130	1885.38
130-140	1781.81
140-150	1502.77
150-160	1119.69
160-170	692.40
170-180	237.01

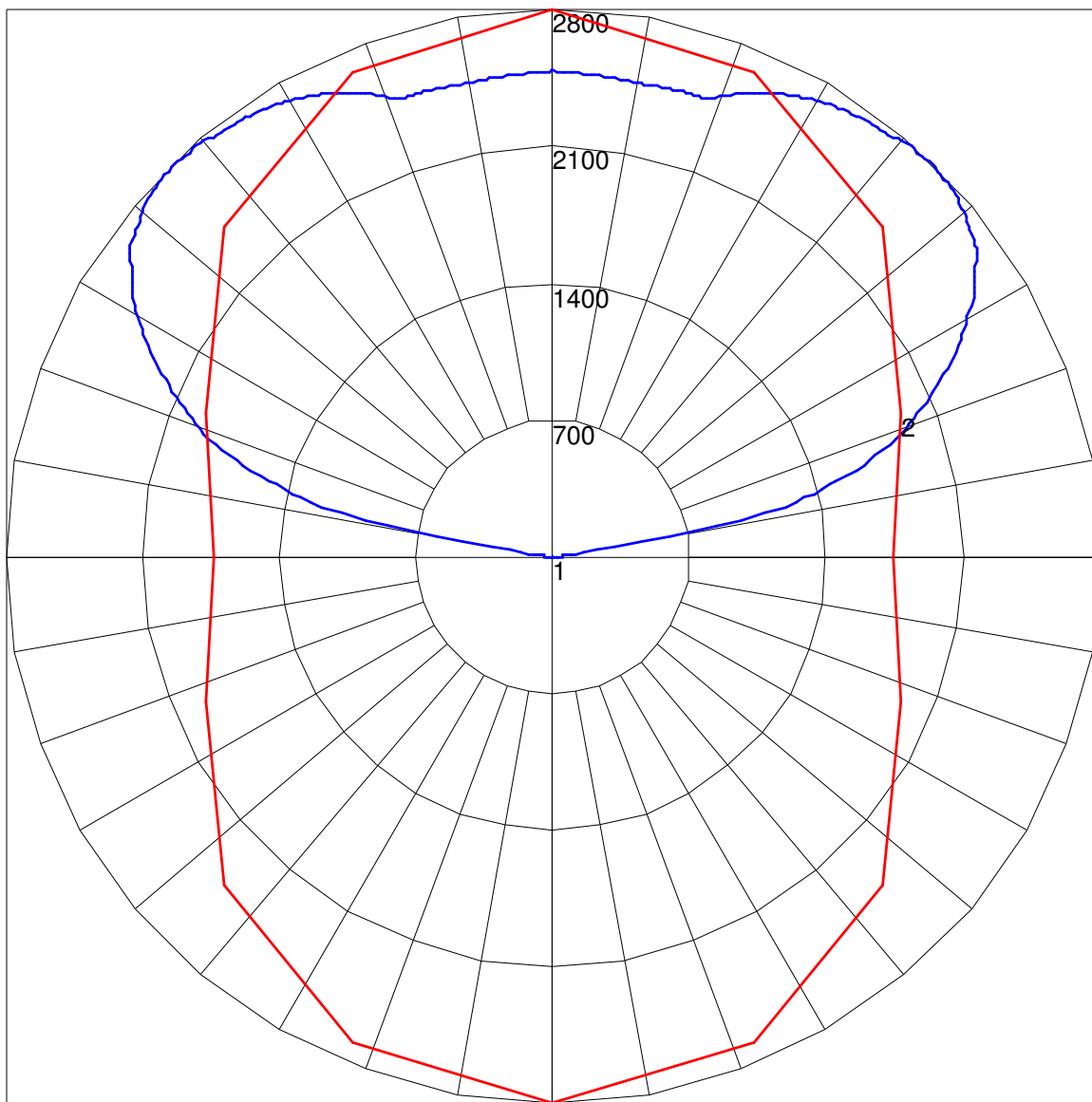
**IES INDOOR REPORT**  
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 2799.717 Located At Horizontal Angle = 90, Vertical Angle = 136  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (136) (Through Max. Cd.)