



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-100D-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 12731921.07  
[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-L16-835-DMA-100D-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	5720
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	43
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
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	14071	13464	13273
55	13211	12605	12384
65	12103	11515	11291
75	10248	9745	9487
85	6450	6470	6351

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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	2171.668	2171.668	2171.668	2171.668	2171.668
0.5	2225.630	2182.962	2156.608	2154.726	2155.981
1.0	2225.630	2182.334	2155.981	2154.098	2155.353
1.5	2225.002	2181.707	2155.353	2153.471	2154.726
2.0	2223.747	2181.080	2154.726	2152.843	2153.471
2.5	2223.120	2179.825	2152.843	2151.589	2152.843
3.0	2221.865	2178.570	2151.589	2149.706	2150.961
3.5	2219.983	2176.687	2149.706	2147.824	2149.079
4.0	2218.100	2174.805	2147.824	2145.941	2147.196
4.5	2216.218	2172.295	2145.314	2143.431	2144.686
5.0	2213.708	2169.785	2142.804	2140.922	2142.177
5.5	2211.198	2167.275	2139.667	2137.784	2139.039
6.0	2208.061	2164.138	2137.157	2134.647	2135.902
6.5	2204.923	2161.001	2134.019	2131.510	2132.765
7.0	2201.786	2157.236	2130.255	2127.745	2129.000
7.5	2198.021	2154.098	2126.490	2123.980	2124.607
8.0	2193.629	2149.706	2122.725	2120.215	2120.843
8.5	2189.237	2145.314	2118.960	2115.823	2115.823
9.0	2184.217	2140.922	2114.568	2111.431	2111.431
9.5	2179.197	2136.529	2110.176	2106.411	2106.411
10.0	2174.177	2131.510	2105.156	2101.391	2100.764
10.5	2168.530	2125.862	2100.136	2095.744	2095.116
11.0	2162.256	2120.215	2094.489	2090.097	2089.469
11.5	2155.981	2114.568	2088.842	2084.449	2083.822
12.0	2149.706	2108.293	2082.567	2078.175	2077.547
12.5	2143.431	2102.019	2076.920	2071.900	2071.273
13.0	2136.529	2095.116	2070.018	2064.998	2064.370
13.5	2129.000	2088.214	2063.116	2058.096	2057.468
14.0	2122.098	2081.312	2056.213	2051.194	2050.566
14.5	2114.568	2073.782	2048.684	2043.664	2043.664
15.0	2107.038	2065.625	2040.527	2036.134	2036.134
15.5	2099.509	2058.096	2032.997	2028.605	2028.605
16.0	2091.352	2049.939	2024.213	2020.448	2021.075
16.5	2083.195	2041.154	2015.428	2011.663	2012.291
17.0	2075.037	2032.370	2006.643	2003.506	2004.134
17.5	2066.880	2023.585	1997.859	1994.094	1995.349
18.0	2058.096	2014.800	1988.447	1985.309	1985.937
18.5	2048.684	2005.388	1978.407	1975.897	1975.897
19.0	2039.272	1995.976	1968.995	1965.858	1966.485
19.5	2030.487	1986.564	1958.956	1956.446	1955.818
20.0	2020.448	1976.525	1948.916	1945.779	1945.779
20.5	2011.036	1966.485	1938.877	1935.739	1935.112
21.0	2000.996	1956.446	1928.210	1925.073	1924.445
21.5	1990.329	1946.406	1918.170	1914.406	1913.778
22.0	1980.290	1936.367	1908.131	1903.111	1902.484
22.5	1970.250	1925.700	1897.464	1892.444	1891.817
23.0	1959.583	1915.033	1887.424	1881.150	1880.522
23.5	1948.916	1904.366	1876.757	1870.483	1869.228
24.0	1938.249	1894.327	1866.091	1859.188	1857.933
24.5	1927.582	1883.032	1856.051	1847.894	1846.639
25.0	1916.288	1872.365	1844.757	1836.600	1834.717
25.5	1905.621	1861.698	1834.090	1825.305	1823.423
26.0	1894.327	1850.404	1822.795	1814.011	1811.501
26.5	1883.032	1839.109	1811.501	1802.089	1800.206

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**CANDELA TABULATION - (Cont.)**

27.0	1871.110	1828.442	1800.206	1790.794	1788.284
27.5	1859.816	1817.148	1788.912	1778.872	1775.735
28.0	1847.894	1805.226	1776.990	1766.951	1763.813
28.5	1836.600	1793.932	1765.068	1754.401	1751.891
29.0	1824.678	1782.637	1753.146	1742.479	1739.342
29.5	1812.128	1770.715	1741.224	1729.930	1726.793
30.0	1800.206	1758.793	1729.930	1718.008	1714.871
30.5	1788.284	1746.872	1718.008	1706.086	1702.321
31.0	1776.363	1734.950	1706.086	1693.537	1689.772
31.5	1763.813	1722.400	1693.537	1681.615	1677.223
32.0	1751.891	1710.478	1681.615	1669.065	1665.301
32.5	1739.342	1697.929	1669.065	1657.144	1652.751
33.0	1726.165	1685.380	1657.144	1645.222	1640.202
33.5	1713.616	1672.830	1644.594	1632.672	1627.653
34.0	1700.439	1659.653	1632.045	1620.123	1615.103
34.5	1686.635	1647.104	1619.495	1607.574	1602.554
35.0	1673.458	1633.927	1606.319	1595.024	1590.004
35.5	1659.653	1620.750	1593.769	1581.847	1577.455
36.0	1645.849	1606.946	1580.592	1569.298	1564.278
36.5	1632.045	1593.769	1567.416	1556.121	1551.101
37.0	1618.241	1580.592	1553.611	1542.317	1537.925
37.5	1604.436	1566.788	1539.807	1529.140	1524.120
38.0	1590.004	1552.984	1526.630	1515.336	1510.316
38.5	1575.573	1539.180	1512.826	1500.904	1496.512
39.0	1561.141	1525.375	1499.022	1487.100	1482.080
39.5	1547.337	1510.943	1484.590	1472.668	1467.648
40.0	1532.905	1497.139	1470.786	1458.236	1453.216
40.5	1518.473	1482.707	1456.354	1443.804	1438.785
41.0	1504.041	1468.276	1441.922	1428.745	1423.725
41.5	1488.982	1453.844	1427.490	1414.313	1408.666
42.0	1473.923	1438.785	1413.058	1399.254	1394.234
42.5	1458.864	1424.353	1397.999	1384.195	1379.175
43.0	1443.804	1409.294	1382.940	1369.763	1364.116
43.5	1428.118	1393.607	1367.881	1354.704	1349.057
44.0	1412.431	1378.548	1352.822	1339.017	1333.997
44.5	1396.744	1362.861	1337.762	1323.958	1318.311
45.0	1381.685	1347.802	1322.076	1308.899	1303.252
45.5	1365.371	1332.115	1306.389	1293.839	1287.565
46.0	1349.057	1316.428	1290.702	1278.153	1272.506
46.5	1332.743	1300.742	1275.643	1262.466	1256.819
47.0	1316.428	1284.427	1259.956	1246.779	1241.132
47.5	1300.114	1268.741	1243.642	1231.093	1225.445
48.0	1283.800	1252.427	1227.955	1215.406	1209.759
48.5	1267.486	1236.740	1212.269	1199.719	1194.072
49.0	1251.172	1220.426	1196.582	1184.033	1178.385
49.5	1234.230	1204.739	1180.895	1168.346	1162.699
50.0	1217.916	1188.425	1164.581	1152.659	1147.012
50.5	1201.602	1172.738	1148.894	1136.345	1130.698
51.0	1184.660	1156.424	1132.580	1120.658	1115.011
51.5	1168.346	1140.110	1116.893	1104.344	1098.697
52.0	1152.032	1123.796	1101.207	1088.657	1082.383
52.5	1135.717	1107.481	1084.893	1072.343	1066.696
53.0	1119.403	1091.167	1068.578	1056.656	1051.009
53.5	1102.462	1075.481	1052.264	1040.342	1034.695
54.0	1086.148	1059.166	1035.950	1024.656	1019.008
54.5	1069.206	1042.852	1020.263	1008.341	1002.694

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55.0	1052.264	1026.538	1003.949	992.655	986.380
55.5	1035.950	1010.224	987.635	976.341	970.693
56.0	1019.636	993.910	971.321	960.654	954.379
56.5	1002.694	976.968	955.007	944.340	938.692
57.0	985.753	960.654	938.692	928.026	923.633
57.5	968.811	944.340	922.378	912.339	906.692
58.0	951.869	928.026	906.692	896.025	891.005
58.5	934.300	911.084	890.377	879.710	874.691
59.0	916.731	894.770	873.436	864.024	858.377
59.5	899.789	877.828	857.122	847.710	842.062
60.0	882.220	861.514	841.435	831.395	825.748
60.5	865.279	844.572	824.493	815.081	809.434
61.0	848.337	828.258	808.179	798.767	793.120
61.5	830.768	811.316	791.865	782.453	776.806
62.0	813.826	794.375	775.551	766.139	760.491
62.5	796.257	778.061	758.609	749.825	744.177
63.0	779.316	761.119	742.295	732.883	727.863
63.5	761.746	744.177	725.353	716.569	711.549
64.0	744.805	727.236	709.039	700.255	695.235
64.5	727.863	710.294	692.097	683.940	678.921
65.0	710.294	693.980	675.783	667.626	662.606
65.5	693.352	677.038	658.842	650.685	646.920
66.0	675.783	660.097	642.527	634.370	630.606
66.5	658.842	643.155	625.900	617.742	613.978
67.0	641.273	626.590	609.334	601.428	597.538
67.5	624.017	609.962	592.895	585.051	581.098
68.0	606.699	593.146	576.392	568.800	564.847
68.5	589.381	576.330	559.953	552.423	548.533
69.0	572.251	559.702	543.513	536.234	532.219
69.5	554.870	542.886	527.262	519.983	515.967
70.0	537.552	526.132	511.010	503.857	499.841
70.5	520.046	509.379	494.821	487.794	483.715
71.0	503.041	492.814	478.884	471.793	467.401
71.5	486.162	476.123	462.632	455.667	451.275
72.0	469.158	459.558	446.381	439.541	435.212
72.5	452.216	442.993	430.318	423.416	419.212
73.0	435.275	426.365	414.192	407.227	403.211
73.5	418.396	409.737	398.191	391.226	387.399
74.0	401.642	393.234	382.065	375.477	371.775
74.5	384.952	376.920	366.128	359.728	356.402
75.0	368.324	360.606	350.253	344.041	340.966
75.5	351.759	344.543	334.503	328.542	325.782
76.0	335.319	328.668	318.942	313.295	310.597
76.5	319.256	312.730	303.444	297.985	295.538
77.0	303.130	297.043	288.071	282.863	280.604
77.5	287.192	281.357	272.823	267.866	265.858
78.0	271.317	265.921	257.827	253.121	251.301
78.5	255.568	250.674	242.956	238.626	236.869
79.0	240.007	235.614	228.336	224.257	222.626
79.5	224.571	220.806	214.029	210.327	208.633
80.0	209.386	206.186	199.911	196.523	194.766
80.5	194.578	191.817	185.982	182.970	181.213
81.0	180.083	177.699	172.491	169.730	168.036
81.5	165.777	163.832	159.377	156.742	155.173
82.0	151.847	150.467	146.514	144.129	142.624
82.5	138.294	137.353	134.027	131.957	130.451

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

83.0	125.243	124.741	121.980	120.223	118.780
83.5	112.505	112.568	110.309	108.803	107.485
84.0	100.583	101.022	99.140	97.885	96.818
84.5	89.038	89.853	88.536	87.532	86.591
85.0	78.057	79.375	78.308	77.618	76.865
85.5	67.829	69.398	68.708	68.269	67.767
86.0	57.915	59.923	59.609	59.421	59.045
86.5	48.441	50.888	51.013	51.076	50.950
87.0	39.530	42.291	42.856	43.233	43.233
87.5	31.436	34.134	35.013	35.828	35.954
88.0	23.781	26.542	27.609	28.989	29.177
88.5	16.753	19.452	20.518	22.024	22.275
89.0	9.914	12.612	13.114	14.118	14.495
89.5	4.141	6.024	5.773	5.898	6.212
90.0	0.816	1.945	1.506	1.192	0.941
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-100D-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-100D-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-100D-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	783.31	N.A.	13.70
0-30	1639.03	N.A.	28.70
0-40	2649.89	N.A.	46.30
0-60	4578.84	N.A.	80.10
0-80	5625.99	N.A.	98.40
0-90	5719.77	N.A.	100.00
10-90	5515.03	N.A.	96.40
20-40	1866.58	N.A.	32.60
20-50	2892.12	N.A.	50.60
40-70	2602.56	N.A.	45.50
60-80	1047.15	N.A.	18.30
70-80	373.54	N.A.	6.50
80-90	93.78	N.A.	1.60
90-110	0.04	N.A.	0.00
90-120	0.04	N.A.	0.00
90-130	0.04	N.A.	0.00
90-150	0.04	N.A.	0.00
90-180	0.04	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5719.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	204.74
10-20	578.57
20-30	855.72
30-40	1010.86
40-50	1025.54
50-60	903.41
60-70	673.61
70-80	373.54
80-90	93.78
90-100	0.04
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-100D-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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	59
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-100D-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	21.1	22.7	21.4	23.0	23.3	20.8	22.4	21.2	22.7	23.0
	3H	22.9	24.3	23.2	24.6	25.0	22.5	24.0	22.9	24.3	24.7
	4H	23.5	24.9	23.9	25.2	25.6	23.2	24.5	23.6	24.9	25.2
	6H	23.9	25.2	24.4	25.6	26.0	23.6	24.8	24.0	25.2	25.6
	8H	24.1	25.3	24.5	25.7	26.1	23.7	24.9	24.1	25.3	25.7
	12H	24.1	25.3	24.6	25.7	26.1	23.8	24.9	24.2	25.3	25.7

UGR Viewed Endwise

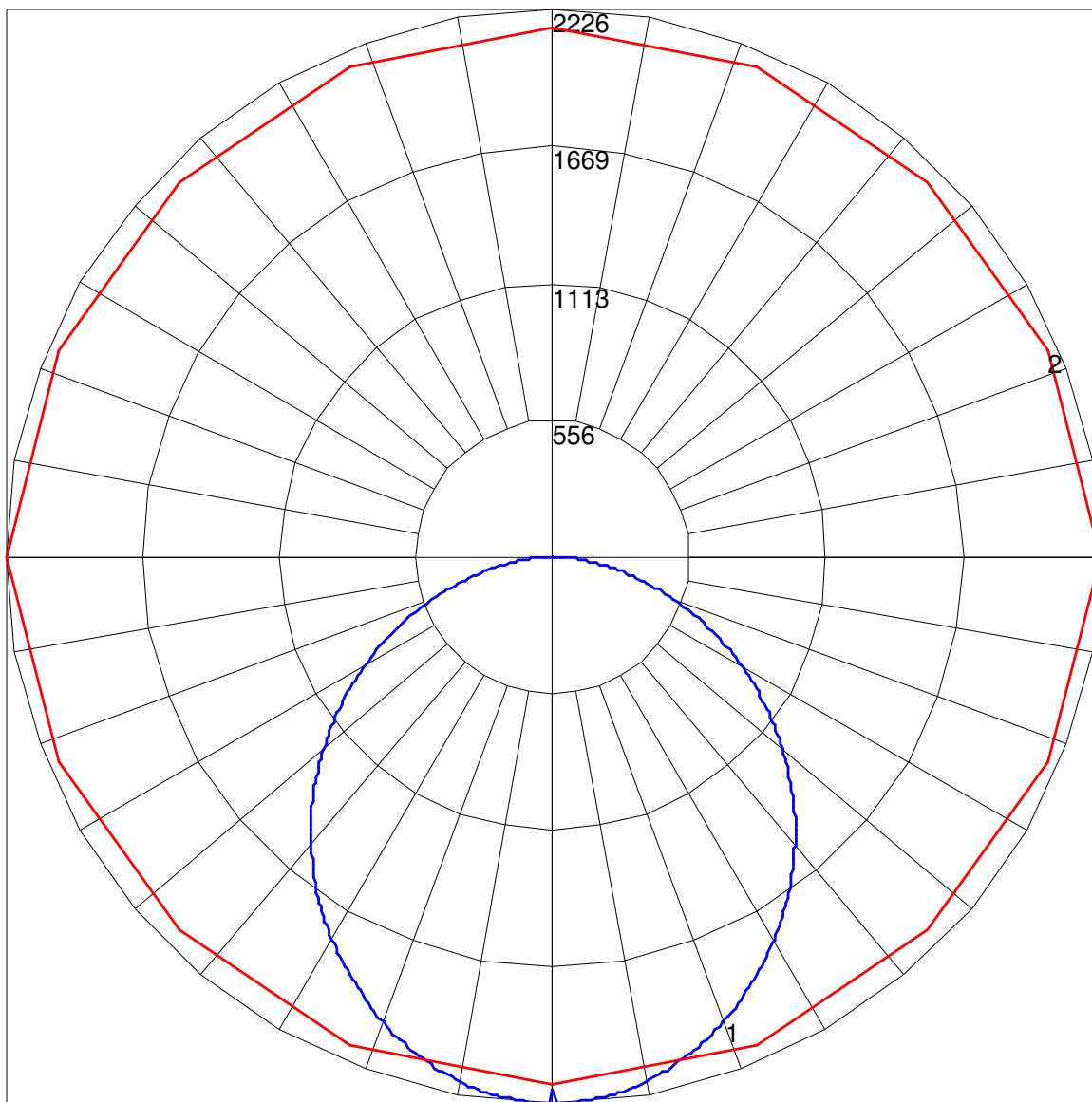
4H	2H	21.7	23.0	22.1	23.4	23.8	21.4	22.8	21.8	23.2	23.5
	3H	23.7	24.8	24.1	25.2	25.6	23.4	24.5	23.8	24.9	25.3
	4H	24.4	25.5	24.9	25.9	26.3	24.1	25.2	24.6	25.6	26.0
	6H	25.0	25.9	25.4	26.3	26.8	24.7	25.6	25.1	26.0	26.5
	8H	25.1	26.0	25.6	26.4	26.9	24.8	25.7	25.3	26.1	26.6
	12H	25.2	26.0	25.7	26.5	27.0	24.9	25.7	25.4	26.2	26.6

8H	4H	24.7	25.5	25.1	26.0	26.4	24.4	25.3	24.9	25.7	26.2
	6H	25.4	26.1	25.8	26.5	27.0	25.1	25.8	25.6	26.3	26.7
	8H	25.6	26.2	26.1	26.7	27.2	25.3	25.9	25.8	26.4	26.9
	12H	25.7	26.3	26.2	26.8	27.3	25.4	26.0	26.0	26.5	27.1

12H	4H	24.7	25.5	25.2	25.9	26.4	24.4	25.2	24.9	25.7	26.2
	6H	25.4	26.0	25.9	26.5	27.0	25.1	25.8	25.6	26.2	26.8
	8H	25.7	26.2	26.2	26.7	27.3	25.4	25.9	25.9	26.4	27.0

Maximum UGR = 27.3

POLAR GRAPH



Maximum Candela = 2225.63 Located At Horizontal Angle = 0, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)