



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-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-L16-835-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	5833
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	43
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	12180	9653	8977
55	11324	8288	7508
65	10108	6608	5824
75	8084	4355	3693
85	3975	1365	1091

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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	1988.252	1988.252	1988.252	1988.252	1988.252
0.5	1985.115	1997.036	1981.978	1985.742	1989.507
1.0	1984.487	1996.408	1981.978	1985.115	1989.507
1.5	1983.860	1996.408	1981.350	1985.115	1988.879
2.0	1983.233	1995.781	1980.723	1983.860	1988.252
2.5	1982.605	1994.526	1979.468	1983.233	1986.997
3.0	1980.723	1993.271	1978.213	1982.605	1985.742
3.5	1980.096	1991.389	1976.331	1981.350	1983.860
4.0	1978.841	1989.507	1974.449	1980.096	1981.978
4.5	1976.959	1987.624	1972.567	1977.586	1980.096
5.0	1975.076	1985.742	1970.684	1975.076	1977.586
5.5	1972.567	1983.233	1968.175	1972.567	1975.076
6.0	1970.057	1980.723	1965.665	1970.057	1973.194
6.5	1967.547	1978.213	1963.156	1966.920	1970.057
7.0	1964.410	1975.076	1960.019	1963.783	1967.547
7.5	1961.273	1971.939	1957.509	1960.646	1964.410
8.0	1957.509	1968.802	1953.745	1956.882	1960.646
8.5	1953.745	1965.038	1950.607	1953.117	1956.254
9.0	1949.353	1961.273	1946.843	1949.353	1951.862
9.5	1945.588	1957.509	1943.079	1945.588	1947.470
10.0	1941.824	1953.117	1938.687	1940.569	1943.079
10.5	1938.059	1948.725	1934.295	1936.177	1938.059
11.0	1933.667	1944.333	1929.276	1931.158	1932.413
11.5	1928.021	1939.942	1924.256	1926.139	1927.393
12.0	1922.374	1934.922	1919.237	1920.492	1922.374
12.5	1917.355	1929.276	1914.218	1914.845	1917.355
13.0	1912.336	1924.256	1908.571	1909.826	1911.708
13.5	1906.689	1917.982	1902.925	1903.552	1904.807
14.0	1901.042	1912.336	1896.651	1897.905	1899.160
14.5	1895.396	1906.062	1890.376	1891.631	1893.513
15.0	1889.122	1899.788	1884.102	1885.357	1885.985
15.5	1882.848	1894.141	1877.201	1878.456	1879.083
16.0	1875.946	1887.867	1870.927	1871.554	1872.182
16.5	1869.045	1880.965	1863.398	1864.025	1865.280
17.0	1862.143	1873.436	1855.869	1857.124	1858.379
17.5	1854.614	1865.908	1848.340	1849.595	1850.850
18.0	1847.713	1859.006	1841.439	1842.066	1843.321
18.5	1840.184	1850.850	1833.282	1833.910	1834.537
19.0	1832.028	1843.321	1825.754	1825.754	1826.381
19.5	1823.871	1835.165	1818.225	1818.225	1818.225
20.0	1815.715	1827.008	1810.068	1808.814	1810.068
20.5	1807.559	1818.852	1801.285	1800.030	1801.285
21.0	1800.030	1810.696	1792.501	1791.246	1792.501
21.5	1791.874	1801.912	1784.345	1782.462	1783.717
22.0	1783.090	1793.128	1775.561	1773.051	1774.306
22.5	1773.679	1784.345	1766.777	1764.268	1764.268
23.0	1764.895	1774.934	1757.366	1754.857	1754.857
23.5	1756.111	1765.522	1747.955	1745.445	1744.191
24.0	1746.700	1756.111	1737.917	1736.034	1734.152
24.5	1737.917	1746.700	1728.506	1725.996	1723.486
25.0	1728.506	1736.662	1718.467	1715.957	1713.448
25.5	1718.467	1727.251	1709.056	1705.919	1702.782
26.0	1708.428	1717.212	1699.017	1695.253	1692.743
26.5	1699.017	1707.174	1688.979	1684.587	1682.077

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CANDELA TABULATION - (Cont.)

27.0	1688.351	1696.508	1677.686	1673.921	1671.411
27.5	1677.686	1685.842	1667.020	1663.255	1660.746
28.0	1667.020	1675.176	1656.354	1651.962	1650.080
28.5	1656.354	1663.883	1645.060	1640.669	1638.786
29.0	1645.060	1653.217	1633.767	1629.375	1627.493
29.5	1634.394	1641.923	1623.101	1618.082	1616.200
30.0	1623.101	1631.257	1611.808	1606.161	1604.279
30.5	1611.180	1619.964	1599.887	1594.868	1592.358
31.0	1599.887	1608.671	1588.594	1582.947	1580.438
31.5	1588.594	1596.750	1576.673	1571.654	1568.517
32.0	1576.673	1584.829	1564.752	1559.106	1556.596
32.5	1565.380	1572.909	1552.832	1547.185	1544.048
33.0	1553.459	1560.988	1540.283	1534.637	1532.127
33.5	1541.538	1549.067	1527.735	1522.089	1519.579
34.0	1528.990	1536.519	1515.815	1509.541	1507.031
34.5	1517.697	1523.971	1503.266	1496.992	1493.228
35.0	1505.149	1511.423	1490.718	1484.444	1480.052
35.5	1493.228	1498.875	1478.170	1471.269	1466.249
36.0	1481.307	1486.327	1465.622	1458.093	1453.074
36.5	1468.759	1473.778	1453.074	1445.545	1439.898
37.0	1456.211	1461.230	1439.898	1431.742	1426.095
37.5	1443.035	1448.055	1427.350	1418.567	1412.293
38.0	1429.860	1434.879	1413.547	1404.764	1398.490
38.5	1417.312	1421.704	1400.372	1390.333	1384.687
39.0	1404.136	1408.528	1386.569	1377.158	1370.884
39.5	1390.961	1395.353	1373.393	1362.727	1357.081
40.0	1377.785	1382.177	1359.590	1348.924	1343.278
40.5	1364.610	1369.001	1345.787	1335.121	1329.475
41.0	1350.807	1355.199	1332.612	1321.319	1315.672
41.5	1337.004	1340.768	1318.809	1307.516	1302.496
42.0	1323.828	1327.593	1304.379	1293.713	1288.693
42.5	1310.653	1313.162	1290.576	1279.910	1275.518
43.0	1296.850	1299.359	1276.773	1266.734	1261.087
43.5	1283.047	1285.556	1262.970	1252.304	1247.285
44.0	1269.244	1271.126	1248.539	1238.501	1233.482
44.5	1256.068	1257.323	1234.736	1224.698	1219.679
45.0	1242.265	1242.893	1220.933	1210.895	1206.503
45.5	1228.462	1229.090	1207.131	1197.092	1192.073
46.0	1214.659	1214.032	1192.700	1183.289	1178.270
46.5	1200.229	1199.602	1178.897	1168.859	1163.839
47.0	1186.426	1185.799	1164.467	1155.056	1149.409
47.5	1171.996	1171.368	1150.664	1140.625	1134.351
48.0	1157.565	1156.938	1136.234	1126.195	1119.921
48.5	1143.135	1143.135	1121.803	1111.765	1105.491
49.0	1128.705	1128.077	1107.373	1097.334	1091.060
49.5	1114.274	1113.647	1092.942	1082.904	1076.630
50.0	1099.844	1099.217	1078.512	1068.474	1061.572
50.5	1084.786	1084.786	1064.709	1053.416	1046.514
51.0	1070.356	1070.356	1049.651	1038.358	1032.084
51.5	1055.298	1055.926	1035.221	1023.928	1017.026
52.0	1040.868	1040.868	1020.791	1008.870	1001.969
52.5	1025.810	1026.437	1005.733	994.440	986.911
53.0	1011.380	1011.380	991.303	979.382	972.480
53.5	996.322	996.322	976.245	964.324	957.423
54.0	981.264	981.892	961.187	949.894	942.992
54.5	966.834	966.834	946.757	934.836	927.935

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55.0	951.776	951.776	931.699	919.778	912.877
55.5	936.718	936.718	916.641	904.720	897.819
56.0	921.660	921.033	901.583	889.663	883.389
56.5	906.603	905.975	886.526	875.232	868.331
57.0	891.545	890.290	870.841	860.175	853.901
57.5	875.860	875.232	855.783	845.117	838.215
58.0	860.802	859.547	840.725	830.059	823.158
58.5	845.744	843.862	825.040	815.001	808.100
59.0	830.059	828.177	809.982	799.944	793.669
59.5	814.374	812.492	794.924	784.886	778.612
60.0	798.689	796.807	779.867	769.828	763.554
60.5	783.004	781.749	764.181	754.770	747.869
61.0	767.318	766.064	749.124	739.085	732.811
61.5	751.633	750.378	734.066	724.027	717.753
62.0	736.575	734.693	719.008	708.970	702.696
62.5	720.890	719.008	703.323	693.912	687.638
63.0	705.205	703.323	688.265	678.854	672.580
63.5	688.893	688.265	673.207	663.796	657.522
64.0	673.207	672.580	658.150	648.739	642.464
64.5	657.522	656.895	642.464	633.053	627.218
65.0	642.464	640.582	627.407	618.247	611.973
65.5	626.654	625.274	612.098	603.314	597.228
66.0	611.220	609.714	596.789	588.068	582.045
66.5	595.346	594.029	581.418	573.262	567.176
67.0	579.912	578.532	566.172	558.016	552.243
67.5	564.541	562.721	550.800	542.832	537.186
68.0	548.479	547.099	535.492	527.775	522.442
68.5	533.045	531.288	519.995	512.968	508.639
69.0	517.422	515.603	505.313	498.788	493.644
69.5	502.239	500.545	490.507	483.668	478.398
70.0	487.432	485.362	475.135	468.547	463.340
70.5	471.559	469.865	459.701	453.364	448.596
71.0	456.627	454.933	445.082	439.247	434.291
71.5	441.255	439.561	430.276	424.315	419.233
72.0	425.758	423.813	415.155	409.195	404.238
72.5	410.261	408.191	399.909	394.137	389.180
73.0	394.639	392.694	384.851	379.267	374.248
73.5	379.142	377.260	369.731	364.272	359.316
74.0	363.457	361.951	354.610	349.277	344.572
74.5	347.960	346.579	339.678	334.533	329.890
75.0	332.526	331.271	324.808	319.915	315.397
75.5	317.593	316.213	310.064	305.359	301.092
76.0	302.724	301.281	295.446	290.866	286.725
76.5	287.854	286.474	280.953	276.498	272.483
77.0	272.985	271.855	266.585	262.256	258.429
77.5	258.115	257.362	252.280	248.202	244.500
78.0	243.685	243.057	238.226	234.399	230.886
78.5	229.443	228.815	224.361	220.784	217.396
79.0	215.514	214.824	210.683	207.421	204.221
79.5	201.837	201.084	197.194	194.182	191.108
80.0	188.222	187.469	184.018	181.258	178.246
80.5	174.796	174.168	171.094	168.459	165.761
81.0	161.620	161.118	158.483	156.162	153.464
81.5	148.758	148.319	146.249	144.115	141.606
82.0	136.273	135.959	134.265	132.383	129.999
82.5	124.164	123.976	122.658	121.027	118.705

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CANDELA TABULATION - (Cont.)

83.0	112.306	112.369	111.427	109.984	107.788
83.5	100.887	101.075	100.573	99.381	97.311
84.0	89.970	90.347	90.221	89.280	87.398
84.5	79.492	80.057	80.308	79.492	77.861
85.0	69.391	70.270	70.897	70.332	68.827
85.5	59.792	61.047	61.988	61.611	60.231
86.0	50.694	52.137	53.455	53.392	52.200
86.5	42.036	43.793	45.424	45.612	44.483
87.0	33.943	35.888	37.895	38.335	37.393
87.5	26.414	28.422	30.680	31.370	30.492
88.0	19.450	21.520	23.716	24.594	23.590
88.5	12.925	14.995	16.940	17.567	16.375
89.0	6.964	8.972	10.666	11.795	11.356
89.5	2.572	4.517	6.588	7.529	7.152
90.0	0.753	1.443	2.321	2.572	2.196
90.5	2.761	4.015	3.576	2.698	1.443
91.0	2.949	3.890	3.513	2.572	1.506
91.5	3.263	4.204	3.764	2.823	1.694
92.0	3.576	4.643	4.078	3.074	2.008
92.5	3.953	5.082	4.517	3.513	2.384
93.0	4.455	5.521	5.082	4.078	2.949
93.5	5.082	6.086	5.709	4.706	3.639
94.0	5.647	6.713	6.400	5.396	4.392
94.5	6.337	7.403	7.090	6.211	5.207
95.0	7.152	8.219	7.905	7.027	6.086
95.5	8.156	9.160	8.846	7.905	7.027
96.0	9.223	10.164	9.725	8.846	7.968
96.5	10.289	11.231	10.729	9.850	8.909
97.0	11.482	12.360	11.733	10.854	9.976
97.5	12.736	13.489	12.799	11.983	11.105
98.0	14.054	14.744	13.928	13.113	12.234
98.5	15.371	15.999	15.121	14.242	13.427
99.0	16.752	17.254	16.313	15.434	14.619
99.5	18.195	18.571	17.567	16.689	15.873
100.0	19.638	19.952	18.822	17.944	17.128
100.5	21.206	21.395	20.202	19.199	18.446
101.0	22.712	22.775	21.520	20.516	19.763
101.5	24.281	24.281	22.900	21.896	21.081
102.0	25.912	25.786	24.343	23.214	22.461
102.5	27.480	27.292	25.786	24.594	23.841
103.0	29.112	28.861	27.229	26.037	25.284
103.5	30.806	30.429	28.735	27.418	26.665
104.0	32.437	32.060	30.178	28.923	28.108
104.5	34.194	33.692	31.684	30.366	29.551
105.0	35.888	35.323	33.253	31.810	30.994
105.5	37.644	36.954	34.758	33.315	32.500
106.0	39.401	38.648	36.327	34.758	33.943
106.5	41.158	40.342	37.895	36.264	35.448
107.0	42.915	42.036	39.464	37.770	36.954
107.5	44.671	43.730	40.970	39.276	38.460
108.0	46.491	45.487	42.538	40.781	40.029
108.5	48.248	47.181	44.107	42.350	41.534
109.0	50.067	48.938	45.675	43.856	43.040
109.5	51.824	50.694	47.244	45.362	44.546
110.0	53.643	52.514	48.812	46.930	46.114
110.5	55.400	54.271	50.381	48.436	47.683

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111.0	57.157	56.027	51.949	50.004	49.189
111.5	58.913	57.784	53.581	51.573	50.757
112.0	60.733	59.541	55.149	53.079	52.263
112.5	62.490	61.360	56.718	54.647	53.831
113.0	64.246	63.117	58.349	56.216	55.400
113.5	66.066	64.874	59.917	57.721	56.906
114.0	67.823	66.631	61.486	59.290	58.412
114.5	69.579	68.387	63.054	60.796	59.980
115.0	71.399	70.144	64.686	62.301	61.486
115.5	73.093	71.901	66.254	63.807	63.054
116.0	74.912	73.658	67.885	65.376	64.623
116.5	76.669	75.414	69.517	66.819	66.066
117.0	78.426	77.234	71.148	68.387	67.572
117.5	80.183	78.991	72.716	69.956	69.015
118.0	81.939	80.747	74.285	71.462	70.458
118.5	83.696	82.504	75.916	73.093	71.964
119.0	85.453	84.323	77.485	74.599	73.469
119.5	87.147	86.080	79.116	76.104	75.038
120.0	88.904	87.837	80.747	77.673	76.544
120.5	90.598	89.594	82.316	79.241	78.112
121.0	92.354	91.413	83.947	80.810	79.681
121.5	94.048	93.170	85.578	82.379	81.186
122.0	95.742	94.989	87.210	83.947	82.692
122.5	97.374	96.746	88.778	85.578	84.323
123.0	99.068	98.566	90.409	87.084	85.892
123.5	100.699	100.322	92.041	88.590	87.523
124.0	102.267	102.016	93.672	90.096	89.092
124.5	103.836	103.773	95.303	91.539	90.723
125.0	105.467	105.467	96.934	93.044	92.292
125.5	107.036	107.161	98.566	94.550	93.797
126.0	108.667	108.855	100.134	96.119	95.240
126.5	110.298	110.612	101.765	97.562	96.746
127.0	111.804	112.306	103.397	99.005	98.126
127.5	113.372	114.000	105.028	100.511	99.569
128.0	114.878	115.694	106.659	101.954	101.012
128.5	116.384	117.388	108.290	103.459	102.518
129.0	117.890	119.082	109.922	104.965	103.961
129.5	119.333	120.776	111.490	106.408	105.342
130.0	120.839	122.470	113.121	107.914	106.847
130.5	122.282	124.164	114.690	109.420	108.290
131.0	123.662	125.795	116.258	110.926	109.733
131.5	125.105	127.489	117.890	112.431	111.176
132.0	126.548	129.058	119.458	113.874	112.620
132.5	127.928	130.752	121.089	115.380	114.125
133.0	129.246	132.320	122.658	116.949	115.631
133.5	130.501	133.951	124.289	118.392	117.200
134.0	131.881	135.520	125.921	119.960	118.643
134.5	133.198	137.151	127.552	121.466	120.148
135.0	134.516	138.720	129.183	122.972	121.591
135.5	135.771	140.288	130.814	124.540	123.097
136.0	137.026	141.794	132.508	126.109	124.540
136.5	138.218	143.300	134.140	127.552	126.046
137.0	139.410	144.805	135.771	129.120	127.489
137.5	140.602	146.311	137.528	130.689	128.995
138.0	141.794	147.754	139.222	132.257	130.501
138.5	142.923	149.135	140.853	133.826	132.069

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-10U-90D-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	144.115	150.515	142.547	135.394	133.575
139.5	145.307	151.832	144.178	136.963	135.081
140.0	146.437	153.213	145.872	138.531	136.649
140.5	147.629	154.530	147.566	140.163	138.155
141.0	148.758	155.785	149.197	141.794	139.598
141.5	149.887	157.103	150.829	143.425	141.167
142.0	150.891	158.357	152.460	145.056	142.735
142.5	151.958	159.612	154.091	146.688	144.304
143.0	153.024	160.804	155.722	148.319	145.872
143.5	154.028	161.934	157.291	150.013	147.503
144.0	155.032	163.126	158.859	151.581	149.135
144.5	156.036	164.255	160.428	153.275	150.829
145.0	156.977	165.322	161.934	154.907	152.460
145.5	157.918	166.388	163.377	156.601	154.091
146.0	158.797	167.392	164.882	158.295	155.785
146.5	159.675	168.396	166.263	159.863	157.416
147.0	160.553	169.463	167.706	161.557	159.048
147.5	161.494	170.529	169.086	163.126	160.742
148.0	162.373	171.596	170.404	164.757	162.373
148.5	163.251	172.600	171.721	166.326	164.004
149.0	164.067	173.541	172.976	167.894	165.573
149.5	164.820	174.482	174.294	169.400	167.141
150.0	165.635	175.235	175.548	170.843	168.710
150.5	166.451	176.113	176.866	172.349	170.278
151.0	167.267	176.866	178.121	173.792	171.721
151.5	168.020	177.619	179.313	175.172	173.164
152.0	168.710	178.434	180.442	176.552	174.607
152.5	169.400	179.313	181.634	177.870	175.925
153.0	170.153	180.191	182.764	179.125	177.242
153.5	170.843	180.944	183.893	180.442	178.497
154.0	171.533	181.697	184.959	181.697	179.815
154.5	172.160	182.450	186.026	182.952	181.007
155.0	172.788	183.077	186.904	184.081	182.199
155.5	173.352	183.579	187.783	185.210	183.328
156.0	174.043	184.144	188.661	186.340	184.520
156.5	174.607	184.709	189.477	187.406	185.587
157.0	175.235	185.210	190.292	188.536	186.716
157.5	175.799	185.775	191.045	189.602	187.783
158.0	176.301	186.152	191.735	190.669	188.787
158.5	176.866	186.528	192.363	191.673	189.728
159.0	177.368	186.904	192.928	192.677	190.732
159.5	177.807	187.218	193.429	193.618	191.735
160.0	178.309	187.595	193.869	194.496	192.677
160.5	178.748	187.908	194.371	195.249	193.618
161.0	179.125	188.159	194.747	196.065	194.496
161.5	179.564	188.473	195.123	196.817	195.312
162.0	179.940	188.724	195.374	197.508	196.127
162.5	180.317	188.912	195.500	198.198	196.880
163.0	180.693	189.100	195.625	198.762	197.633
163.5	181.070	189.289	195.688	199.202	198.323
164.0	181.383	189.351	195.814	199.578	199.013
164.5	181.760	189.477	195.876	199.955	199.578
165.0	182.073	189.540	195.939	200.268	199.892
165.5	182.324	189.602	196.002	200.519	200.205
166.0	182.638	189.602	196.002	200.645	200.519
166.5	182.889	189.602	195.814	200.582	200.896

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-10U-90D-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	183.140	189.602	195.688	200.456	201.147
167.5	183.391	189.602	195.563	200.394	201.147
168.0	183.642	189.540	195.374	200.394	201.021
168.5	183.893	189.414	195.123	200.268	201.084
169.0	184.018	189.289	194.998	200.080	201.209
169.5	184.269	189.163	194.747	199.704	201.147
170.0	184.458	188.975	194.433	199.327	201.021
170.5	184.646	188.849	194.182	198.888	200.770
171.0	184.834	188.724	193.806	198.511	200.331
171.5	184.959	188.598	193.429	198.072	200.017
172.0	185.085	188.410	192.990	197.633	199.704
172.5	185.210	188.347	192.488	197.068	199.202
173.0	185.336	188.222	191.924	196.504	198.574
173.5	185.461	188.097	191.359	195.751	197.759
174.0	185.587	187.971	190.794	194.998	196.755
174.5	185.712	187.846	190.230	194.120	195.625
175.0	185.775	187.783	189.728	193.179	194.308
175.5	185.901	187.657	189.226	192.300	192.865
176.0	185.963	187.595	188.661	191.422	191.422
176.5	186.089	187.469	188.222	190.606	190.041
177.0	186.152	187.469	187.846	189.853	188.912
177.5	186.152	187.406	187.532	189.226	188.034
178.0	186.214	187.344	187.281	188.661	187.344
178.5	186.214	187.281	187.093	188.222	186.779
179.0	186.214	187.281	186.967	187.908	186.465
179.5	186.214	187.281	186.842	187.657	186.340
180.0	186.967	186.967	186.967	186.967	186.967

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-10U-90D-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	720.25	N.A.	12.30
0-30	1513.73	N.A.	25.90
0-40	2448.34	N.A.	42.00
0-60	4227.44	N.A.	72.50
0-80	5193.84	N.A.	89.00
0-90	5278.39	N.A.	90.50
10-90	5090.74	N.A.	87.30
20-40	1728.09	N.A.	29.60
20-50	2672.76	N.A.	45.80
40-70	2400.99	N.A.	41.20
60-80	966.40	N.A.	16.60
70-80	344.51	N.A.	5.90
80-90	84.55	N.A.	1.40
90-110	44.84	N.A.	0.80
90-120	110.03	N.A.	1.90
90-130	198.08	N.A.	3.40
90-150	397.68	N.A.	6.80
90-180	554.89	N.A.	9.50
110-180	510.04	N.A.	8.70
0-180	5833.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	187.66
10-20	532.59
20-30	793.48
30-40	934.61
40-50	944.67
50-60	834.43
60-70	621.89
70-80	344.51
80-90	84.55
90-100	9.34
100-110	35.51
110-120	65.18
120-130	88.05
130-140	100.08
140-150	99.52
150-160	84.13
160-170	54.79
170-180	18.29

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-L16-835-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-L16-835-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	18.5	19.9	19.0	20.4	20.9	19.0	20.4	19.6	20.9	21.5
	3H	19.9	21.2	20.5	21.7	22.3	20.7	22.0	21.3	22.5	23.1
	4H	20.4	21.6	20.9	22.1	22.7	21.3	22.5	21.9	23.0	23.6
	6H	20.6	21.7	21.2	22.3	22.9	21.7	22.8	22.2	23.3	24.0
	8H	20.7	21.7	21.2	22.3	22.9	21.8	22.8	22.3	23.4	24.0
	12H	20.7	21.7	21.3	22.2	22.9	21.8	22.8	22.4	23.4	24.0

UGR Viewed Endwise

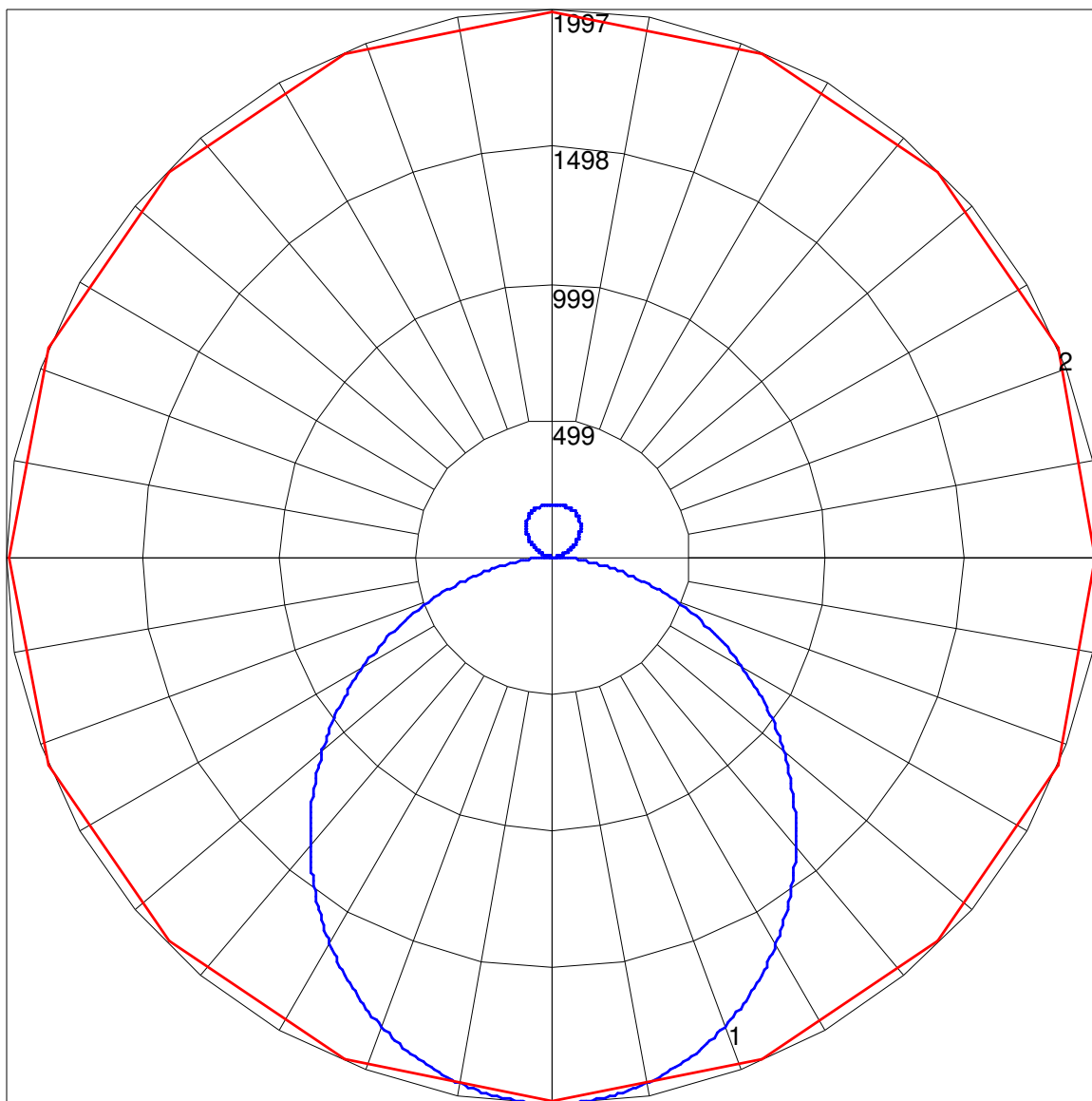
4H	2H	19.0	20.2	19.6	20.7	21.4	19.5	20.7	20.0	21.2	21.8
	3H	20.7	21.7	21.2	22.2	22.9	21.4	22.3	21.9	22.9	23.5
	4H	21.2	22.1	21.8	22.7	23.4	22.0	22.9	22.6	23.5	24.2
	6H	21.6	22.3	22.2	23.0	23.6	22.5	23.3	23.1	23.9	24.6
	8H	21.6	22.4	22.2	23.0	23.7	22.6	23.3	23.2	24.0	24.6
	12H	21.6	22.3	22.3	22.9	23.6	22.7	23.3	23.3	24.0	24.7

8H	4H	21.4	22.2	22.1	22.8	23.5	22.2	22.9	22.8	23.5	24.2
	6H	21.8	22.4	22.5	23.1	23.8	22.7	23.3	23.3	24.0	24.7
	8H	21.9	22.5	22.6	23.1	23.9	22.9	23.4	23.5	24.1	24.8
	12H	22.0	22.5	22.7	23.1	23.9	23.0	23.4	23.6	24.1	24.9

12H	4H	21.5	22.1	22.1	22.7	23.4	22.2	22.8	22.8	23.5	24.1
	6H	21.9	22.4	22.5	23.0	23.8	22.7	23.2	23.4	23.9	24.6
	8H	22.0	22.5	22.7	23.1	23.9	22.9	23.4	23.6	24.0	24.8

Maximum UGR = 24.9

POLAR GRAPH



Maximum Candela = 1997.036 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.)