



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 50G-S14-L45-840-SA12125-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 12212385.03
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 21 APR 2022
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] 50G-S14-L45-840-SA12125-DIM-UNV
 [LUMINAIRE] White formed steel housing, clear patterned plastic lens e
 [MORE] nclosure
 [LAMP] LED
 [LAMPCAT] HLM 80 CRI 4000K CCT

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4395
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	33.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.75 ft
Luminous Width (90-270)	0.77 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5883	5508	4754
55	4429	3707	3299
65	3165	2353	2840
75	2991	2548	3254
85	3377	3452	3888

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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	2017.752	2017.752	2017.752	2017.752	2017.752
0.5	2012.465	2019.514	2015.990	2015.990	2023.039
1.0	2012.465	2019.514	2015.990	2015.990	2023.039
1.5	2010.703	2019.514	2015.990	2015.990	2023.039
2.0	2008.941	2019.514	2015.990	2015.990	2023.039
2.5	2010.703	2017.752	2015.990	2014.228	2023.039
3.0	2010.703	2017.752	2015.990	2015.990	2023.039
3.5	2008.941	2015.990	2015.990	2015.990	2023.039
4.0	2007.179	2015.990	2014.228	2014.228	2023.039
4.5	2005.417	2014.228	2012.465	2014.228	2021.277
5.0	2003.654	2012.465	2012.465	2012.465	2021.277
5.5	2001.892	2010.703	2010.703	2010.703	2017.752
6.0	2000.130	2008.941	2008.941	2010.703	2015.990
6.5	1998.368	2007.179	2007.179	2007.179	2014.228
7.0	1994.843	2003.654	2005.417	2005.417	2012.465
7.5	1991.319	2001.892	2001.892	2003.654	2008.941
8.0	1987.794	1998.368	1998.368	2000.130	2007.179
8.5	1984.270	1996.605	1996.605	1998.368	2003.654
9.0	1980.745	1993.081	1993.081	1994.843	2001.892
9.5	1977.221	1989.557	1989.557	1993.081	2000.130
10.0	1973.696	1986.032	1986.032	1989.557	1996.605
10.5	1968.410	1980.745	1982.508	1986.032	1991.319
11.0	1966.648	1977.221	1978.983	1980.745	1986.032
11.5	1961.361	1973.696	1973.696	1977.221	1982.508
12.0	1956.074	1970.172	1968.410	1973.696	1977.221
12.5	1952.550	1964.885	1964.885	1968.410	1973.696
13.0	1947.263	1957.836	1961.361	1963.123	1968.410
13.5	1941.976	1954.312	1956.074	1957.836	1963.123
14.0	1936.690	1949.025	1950.787	1952.550	1957.836
14.5	1931.403	1943.739	1945.501	1947.263	1952.550
15.0	1926.116	1938.452	1940.214	1941.976	1947.263
15.5	1919.067	1931.403	1934.927	1936.690	1941.976
16.0	1915.543	1926.116	1927.878	1931.403	1936.690
16.5	1910.256	1920.830	1920.830	1924.354	1929.641
17.0	1903.207	1913.781	1915.543	1919.067	1920.830
17.5	1896.158	1906.732	1908.494	1912.018	1913.781
18.0	1889.109	1899.683	1903.207	1904.970	1906.732
18.5	1882.061	1894.396	1894.396	1896.158	1899.683
19.0	1875.012	1887.347	1887.347	1889.109	1892.634
19.5	1867.963	1878.536	1880.298	1880.298	1883.823
20.0	1859.152	1871.487	1873.249	1873.249	1876.774
20.5	1852.103	1862.676	1864.438	1864.438	1867.963
21.0	1845.054	1853.865	1857.389	1855.627	1859.152
21.5	1836.243	1845.054	1848.578	1846.816	1848.578
22.0	1829.194	1836.243	1839.767	1836.243	1839.767
22.5	1820.383	1827.431	1830.956	1827.431	1829.194
23.0	1811.571	1818.620	1820.383	1818.620	1820.383
23.5	1802.760	1808.047	1809.809	1808.047	1808.047
24.0	1795.711	1799.236	1800.998	1797.474	1797.474
24.5	1785.138	1788.662	1788.662	1786.900	1783.376
25.0	1774.565	1778.089	1778.089	1774.565	1772.802
25.5	1763.991	1769.278	1767.516	1762.229	1759.586
26.0	1753.418	1757.823	1755.004	1750.070	1746.721
26.5	1743.373	1747.779	1743.021	1737.734	1733.505

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27.0	1732.976	1737.029	1730.509	1723.812	1719.583
27.5	1722.226	1725.398	1717.997	1709.891	1705.309
28.0	1711.477	1713.591	1704.780	1695.440	1689.978
28.5	1699.846	1701.432	1691.387	1681.695	1674.999
29.0	1687.334	1688.744	1677.466	1667.421	1660.020
29.5	1674.646	1675.351	1663.720	1652.618	1645.041
30.0	1661.782	1661.429	1649.094	1636.934	1629.181
30.5	1649.623	1647.332	1634.820	1620.722	1612.616
31.0	1636.053	1632.881	1619.665	1604.157	1595.698
31.5	1621.956	1617.726	1604.509	1586.887	1578.781
32.0	1607.505	1601.690	1588.826	1569.265	1560.982
32.5	1592.174	1586.006	1572.613	1550.233	1542.127
33.0	1577.547	1569.970	1555.872	1531.553	1522.213
33.5	1562.568	1553.229	1538.250	1512.169	1502.653
34.0	1547.766	1536.487	1519.570	1492.079	1482.035
34.5	1532.082	1519.570	1501.067	1470.933	1461.064
35.0	1515.341	1501.772	1481.858	1449.610	1439.741
35.5	1497.718	1483.444	1461.945	1427.405	1418.066
36.0	1480.096	1465.822	1441.327	1405.025	1395.509
36.5	1461.945	1447.319	1419.828	1381.940	1372.424
37.0	1443.442	1428.815	1398.681	1359.031	1348.986
37.5	1425.467	1409.431	1377.711	1335.065	1324.668
38.0	1406.435	1389.694	1355.859	1311.803	1299.996
38.5	1387.755	1369.781	1333.831	1287.484	1274.796
39.0	1368.723	1349.339	1312.508	1262.989	1249.420
39.5	1349.515	1328.897	1290.656	1238.142	1222.987
40.0	1329.602	1307.926	1269.510	1213.471	1196.201
40.5	1309.689	1285.898	1247.834	1188.800	1168.534
41.0	1289.775	1263.871	1225.983	1164.128	1140.691
41.5	1269.334	1241.490	1204.131	1139.457	1111.790
42.0	1248.715	1219.110	1182.279	1114.434	1082.361
42.5	1228.274	1196.730	1160.075	1089.234	1052.579
43.0	1207.127	1174.349	1137.519	1063.681	1022.798
43.5	1185.628	1151.617	1115.667	1037.777	992.840
44.0	1163.776	1129.236	1093.463	1011.167	962.882
44.5	1141.219	1106.856	1070.202	984.734	933.100
45.0	1118.487	1084.828	1047.116	958.476	903.847
45.5	1095.578	1062.624	1023.855	932.043	875.475
46.0	1071.788	1040.596	1000.241	905.081	847.456
46.5	1048.526	1018.921	976.627	878.471	820.494
47.0	1024.736	997.422	952.661	852.214	794.060
47.5	1001.475	975.922	928.342	826.662	769.213
48.0	977.861	954.952	904.023	801.109	745.423
48.5	954.247	933.805	879.528	776.262	722.514
49.0	930.809	912.306	855.033	751.943	701.015
49.5	908.253	891.159	829.834	728.682	680.573
50.0	886.049	870.012	804.986	706.301	661.893
50.5	864.197	848.513	779.786	684.450	643.390
51.0	843.050	827.014	755.115	663.303	626.296
51.5	822.080	805.691	730.796	643.037	609.555
52.0	801.286	784.721	706.478	624.005	593.871
52.5	780.844	763.574	682.688	605.502	578.540
53.0	760.754	742.251	659.250	587.880	563.913
53.5	741.194	721.280	636.693	570.610	549.287
54.0	721.809	700.662	614.665	554.221	535.541
54.5	702.424	679.868	592.814	538.361	521.972

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55.0	683.040	659.426	571.667	522.501	508.756
55.5	663.832	639.160	550.873	507.522	495.715
56.0	644.800	619.071	530.960	492.367	483.027
56.5	625.591	599.158	511.575	477.916	470.691
57.0	606.912	579.421	492.719	463.642	458.708
57.5	588.232	560.036	474.744	449.721	447.254
58.0	570.081	540.652	456.946	436.328	435.975
58.5	551.930	521.620	439.852	422.935	425.402
59.0	534.484	503.116	423.287	410.071	415.005
59.5	517.214	484.789	407.427	397.735	405.313
60.0	500.297	466.638	392.096	385.928	395.973
60.5	483.908	449.368	377.822	374.474	387.338
61.0	468.048	431.922	363.900	363.548	378.879
61.5	452.893	415.534	349.979	353.151	370.421
62.0	438.090	399.674	336.586	342.930	362.843
62.5	423.992	384.518	323.545	333.237	356.323
63.0	410.247	370.068	311.033	324.426	349.098
63.5	397.206	356.499	299.050	315.968	342.225
64.0	384.342	343.282	288.124	308.214	335.352
64.5	371.830	330.770	277.727	300.989	328.832
65.0	359.671	318.787	267.330	293.940	322.664
65.5	348.921	307.509	257.638	287.772	316.849
66.0	338.172	297.464	248.474	281.428	310.857
66.5	327.422	288.301	240.016	275.436	306.275
67.0	317.377	279.137	232.262	269.797	301.165
67.5	308.038	270.502	225.037	264.511	295.878
68.0	298.345	262.396	218.516	259.400	291.120
68.5	289.006	254.818	212.701	254.290	286.186
69.0	280.194	247.769	207.414	249.179	281.428
69.5	271.912	240.897	202.833	244.421	276.846
70.0	264.158	234.553	198.779	239.487	272.441
70.5	256.933	228.561	195.431	234.905	268.035
71.0	250.060	222.922	192.259	230.147	263.453
71.5	243.716	217.283	189.792	225.742	259.048
72.0	237.725	212.172	188.030	221.160	254.466
72.5	232.262	207.062	186.444	216.754	249.884
73.0	226.975	202.128	184.329	212.172	245.478
73.5	222.041	197.370	182.391	207.943	241.073
74.0	217.283	192.788	180.628	203.537	236.315
74.5	212.701	188.558	179.042	199.132	231.557
75.0	208.119	184.153	177.280	194.726	226.446
75.5	203.537	179.924	175.518	190.497	221.160
76.0	198.779	175.518	173.403	186.268	215.873
76.5	193.845	171.817	170.936	182.038	210.410
77.0	188.382	167.764	168.293	178.161	204.595
77.5	182.567	163.359	165.297	174.284	198.779
78.0	176.399	158.601	161.949	170.231	192.612
78.5	169.703	153.843	158.072	166.178	186.268
79.0	163.006	149.085	153.843	161.949	179.747
79.5	156.133	143.974	149.261	157.367	173.051
80.0	149.437	139.040	144.327	152.785	166.178
80.5	142.564	134.811	139.040	148.027	159.305
81.0	135.868	129.700	133.577	143.269	152.257
81.5	129.171	124.413	127.762	138.511	145.208
82.0	122.475	118.950	121.770	133.401	137.983
82.5	115.602	113.311	115.426	127.938	130.405

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CANDELA TABULATION - (Cont.)

83.0	108.553	107.496	108.906	122.122	122.827
83.5	101.328	101.504	102.209	115.955	115.074
84.0	93.751	95.689	95.337	109.258	107.144
84.5	86.525	88.816	88.288	102.386	99.213
85.0	79.124	81.591	80.886	94.808	91.107
85.5	71.723	74.366	73.309	86.878	82.649
86.0	64.498	66.965	65.555	78.243	73.837
86.5	56.920	59.563	57.625	68.903	64.674
87.0	49.166	51.281	49.342	59.211	55.158
87.5	40.884	43.351	41.060	50.047	46.170
88.0	32.425	36.654	34.187	42.293	38.240
88.5	23.438	30.310	27.843	36.126	32.425
89.0	14.450	23.614	22.733	30.839	27.315
89.5	6.520	18.151	18.503	25.552	22.557
90.0	2.467	13.217	14.450	20.089	17.446
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 : 50G-S14-L45-840-SA12125-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
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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 : 50G-S14-L45-840-SA12125-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	738.22	N.A.	16.80
0-30	1554.66	N.A.	35.40
0-40	2473.09	N.A.	56.30
0-60	3790.87	N.A.	86.20
0-80	4304.6	N.A.	97.90
0-90	4394.86	N.A.	100.00
10-90	4203.6	N.A.	95.60
20-40	1734.87	N.A.	39.50
20-50	2523.63	N.A.	57.40
40-70	1627.82	N.A.	37.00
60-80	513.72	N.A.	11.70
70-80	203.69	N.A.	4.60
80-90	90.26	N.A.	2.10
90-110	0.40	N.A.	0.00
90-120	0.40	N.A.	0.00
90-130	0.40	N.A.	0.00
90-150	0.40	N.A.	0.00
90-180	0.40	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4395.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	191.26
10-20	546.96
20-30	816.44
30-40	918.43
40-50	788.76
50-60	529.02
60-70	310.03
70-80	203.69
80-90	90.26
90-100	0.40
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 : 50G-S14-L45-840-SA12125-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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	82	99	92	86	81	88	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	50	46	44
7	69	56	48	43	67	56	48	42	54	47	42	53	47	42	52	46	42	40
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	35	31	30

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 50G-S14-L45-840-SA12125-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	16.2	17.7	16.6	18.0	18.3	14.6	16.1	15.0	16.4	16.8
	3H	17.4	18.7	17.8	19.1	19.4	16.4	17.7	16.7	18.0	18.4
	4H	18.0	19.2	18.4	19.6	20.0	17.3	18.5	17.7	18.9	19.3
	6H	18.6	19.8	19.0	20.1	20.5	18.2	19.4	18.6	19.7	20.1
	8H	18.9	20.0	19.3	20.4	20.8	18.6	19.7	19.0	20.1	20.5
	12H	19.1	20.2	19.5	20.5	21.0	18.9	20.0	19.3	20.4	20.8

UGR Viewed Endwise

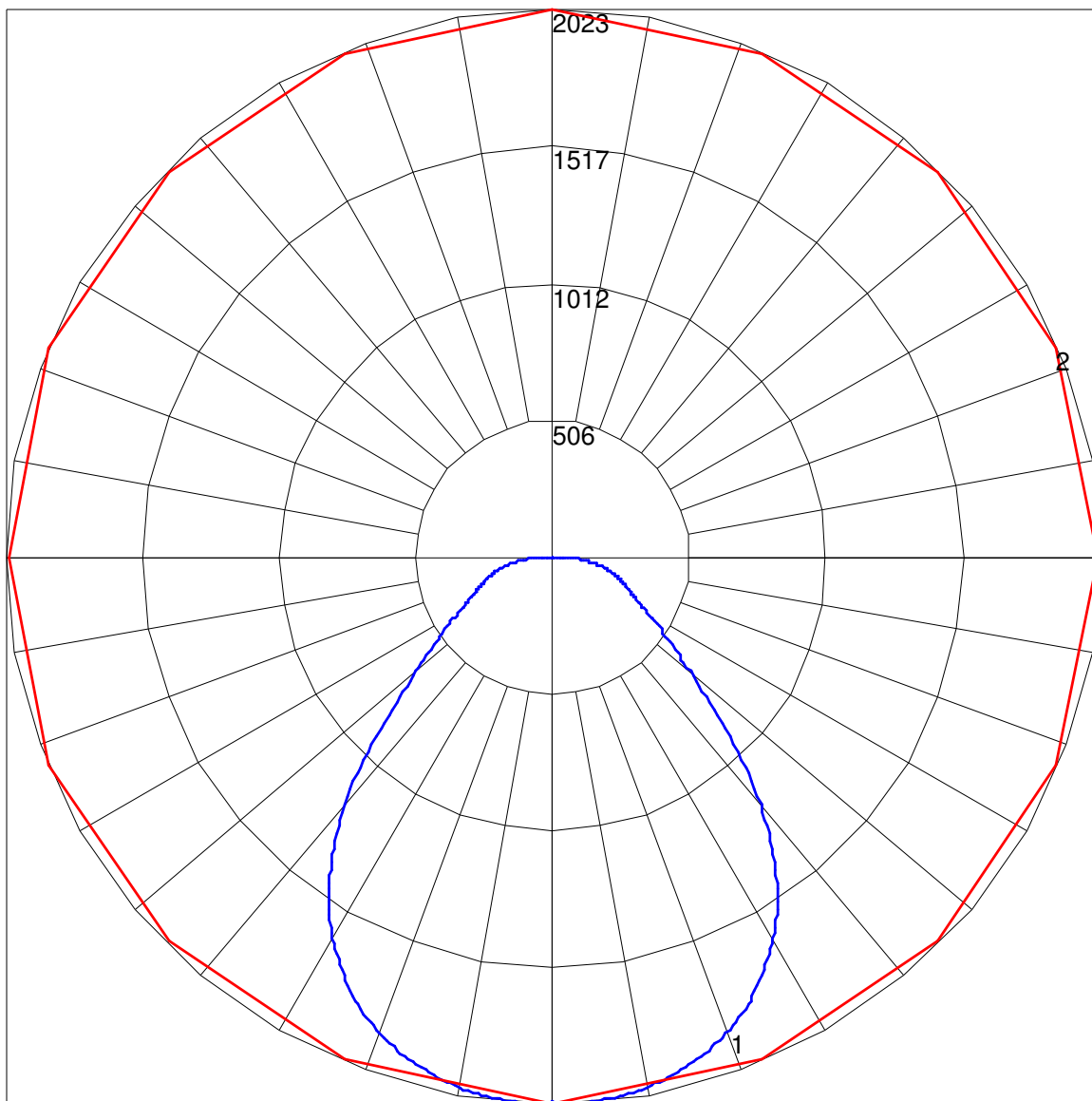
4H	2H	16.4	17.6	16.8	18.0	18.4	15.0	16.3	15.4	16.6	17.0
	3H	17.8	18.8	18.2	19.2	19.6	17.0	18.0	17.4	18.4	18.8
	4H	18.6	19.5	19.0	19.9	20.4	18.1	19.0	18.5	19.4	19.9
	6H	19.4	20.2	19.9	20.7	21.1	19.2	20.0	19.7	20.5	20.9
	8H	19.8	20.6	20.3	21.0	21.5	19.7	20.5	20.2	20.9	21.4
	12H	20.1	20.8	20.6	21.3	21.7	20.2	20.8	20.6	21.3	21.8

8H	4H	18.8	19.6	19.3	20.1	20.5	18.4	19.2	18.9	19.6	20.1
	6H	19.9	20.5	20.4	21.0	21.5	19.8	20.4	20.2	20.9	21.4
	8H	20.4	20.9	20.9	21.5	21.9	20.4	21.0	20.9	21.5	22.0
	12H	20.8	21.3	21.3	21.8	22.4	21.0	21.5	21.5	22.0	22.6

12H	4H	18.9	19.6	19.4	20.1	20.5	18.5	19.2	19.0	19.6	20.1
	6H	20.0	20.6	20.5	21.0	21.6	19.9	20.4	20.4	20.9	21.5
	8H	20.6	21.1	21.1	21.6	22.1	20.6	21.1	21.1	21.6	22.2

Maximum UGR = 22.6

POLAR GRAPH



Maximum Candela = 2023.039 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)