



IES INDOOR REPORT

PHOTOMETRIC FILENAME : HETG-S14-L69-835-A-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from 12595750.01A
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 10-19-2021
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO 64836
[LUMINAIRE] 1x4' RECESSED LED TROFFER
[MORE] WITH FROSTED ACRYLIC LENS
[LUMCAT] HETG-S14-L69/835-A-DIM-UNV
[LAMPCAT] HLM 80 CRI, 3500K CCT
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor, Architectural, Classroom, Commercial, Direct
[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6983
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	54.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6684	7009	7271
55	6149	6656	6817
65	5507	6034	5707
75	4517	4797	4068
85	2733	1783	993

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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	2631.197	2631.197	2631.197	2631.197	2631.197
0.5	2631.197	2636.585	2629.401	2627.605	2636.585
1.0	2631.197	2636.585	2629.401	2627.605	2634.789
1.5	2631.197	2636.585	2627.605	2625.809	2634.789
2.0	2629.401	2634.789	2627.605	2625.809	2632.993
2.5	2629.401	2632.993	2625.809	2624.013	2631.197
3.0	2627.605	2631.197	2624.013	2622.217	2627.605
3.5	2625.809	2629.401	2622.217	2620.421	2625.809
4.0	2624.013	2627.605	2620.421	2616.829	2624.013
4.5	2620.421	2625.809	2618.625	2615.033	2620.421
5.0	2618.625	2622.217	2616.829	2613.237	2618.625
5.5	2615.033	2620.421	2613.237	2609.645	2615.033
6.0	2613.237	2616.829	2609.645	2607.849	2613.237
6.5	2609.645	2613.237	2606.053	2604.257	2609.645
7.0	2606.053	2609.645	2602.460	2600.664	2606.053
7.5	2600.664	2604.257	2598.868	2597.072	2604.257
8.0	2597.072	2598.868	2595.276	2595.276	2600.664
8.5	2591.684	2593.480	2589.888	2591.684	2597.072
9.0	2586.296	2588.092	2586.296	2588.092	2595.276
9.5	2580.908	2582.704	2580.908	2584.500	2591.684
10.0	2575.520	2577.316	2575.520	2580.908	2588.092
10.5	2568.336	2571.928	2570.132	2575.520	2584.500
11.0	2562.948	2564.744	2564.744	2571.928	2580.908
11.5	2555.763	2557.560	2559.356	2566.540	2575.520
12.0	2550.375	2552.171	2552.171	2561.152	2571.928
12.5	2543.191	2544.987	2546.783	2555.763	2566.540
13.0	2536.007	2537.803	2539.599	2548.579	2561.152
13.5	2527.027	2530.619	2532.415	2543.191	2553.967
14.0	2519.843	2523.435	2525.231	2536.007	2546.783
14.5	2512.659	2514.455	2518.047	2528.823	2539.599
15.0	2503.678	2507.270	2510.863	2519.843	2530.619
15.5	2494.698	2498.290	2501.882	2512.659	2521.639
16.0	2485.718	2489.310	2494.698	2503.678	2512.659
16.5	2476.738	2480.330	2485.718	2494.698	2503.678
17.0	2467.758	2471.350	2476.738	2485.718	2492.902
17.5	2456.981	2462.369	2467.758	2476.738	2483.922
18.0	2448.001	2451.593	2458.777	2467.758	2473.146
18.5	2437.225	2442.613	2449.797	2456.981	2464.165
19.0	2426.449	2431.837	2440.817	2448.001	2455.185
19.5	2415.672	2421.061	2430.041	2439.021	2446.205
20.0	2403.100	2410.284	2419.265	2428.245	2437.225
20.5	2392.324	2399.508	2408.488	2419.265	2426.449
21.0	2379.752	2386.936	2397.712	2408.488	2417.468
21.5	2368.975	2374.364	2386.936	2399.508	2408.488
22.0	2356.403	2363.587	2374.364	2388.732	2397.712
22.5	2343.831	2351.015	2363.587	2377.956	2386.936
23.0	2331.259	2336.647	2351.015	2367.179	2376.160
23.5	2316.890	2324.074	2338.443	2354.607	2365.383
24.0	2304.318	2309.706	2325.870	2343.831	2352.811
24.5	2289.950	2297.134	2313.298	2331.259	2340.239
25.0	2275.581	2282.766	2300.726	2318.686	2327.667
25.5	2261.213	2268.397	2286.358	2306.114	2315.094
26.0	2246.845	2255.825	2273.785	2291.746	2302.522
26.5	2232.476	2241.457	2261.213	2279.173	2289.950

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CANDELA TABULATION - (Cont.)

27.0	2216.312	2225.292	2246.845	2264.805	2275.581
27.5	2201.944	2210.924	2232.476	2252.233	2263.009
28.0	2187.575	2196.556	2218.108	2237.865	2248.641
28.5	2171.411	2180.391	2203.740	2225.292	2236.069
29.0	2155.247	2166.023	2189.372	2212.720	2223.496
29.5	2140.878	2149.859	2175.003	2198.352	2210.924
30.0	2124.714	2133.694	2160.635	2185.779	2196.556
30.5	2108.550	2119.326	2144.471	2171.411	2183.983
31.0	2092.385	2101.366	2130.102	2157.043	2171.411
31.5	2074.425	2085.201	2113.938	2144.471	2157.043
32.0	2058.261	2069.037	2099.570	2130.102	2142.675
32.5	2042.096	2052.873	2083.405	2115.734	2130.102
33.0	2024.136	2034.912	2067.241	2101.366	2115.734
33.5	2007.972	2018.748	2052.873	2085.201	2101.366
34.0	1990.011	2002.583	2036.708	2070.833	2085.201
34.5	1972.051	1984.623	2020.544	2054.669	2070.833
35.0	1954.090	1968.459	2004.380	2040.300	2054.669
35.5	1936.130	1950.498	1988.215	2024.136	2038.504
36.0	1918.170	1932.538	1972.051	2007.972	2022.340
36.5	1900.209	1916.374	1954.090	1991.807	2006.176
37.0	1880.453	1898.413	1937.926	1975.643	1990.011
37.5	1862.492	1880.453	1921.762	1959.479	1973.847
38.0	1844.532	1862.492	1905.597	1943.314	1957.682
38.5	1824.776	1844.532	1887.637	1927.150	1941.518
39.0	1806.815	1826.572	1869.677	1910.985	1923.558
39.5	1788.855	1808.611	1853.512	1893.025	1907.393
40.0	1770.356	1790.471	1835.552	1876.861	1889.433
40.5	1752.036	1772.331	1817.591	1858.900	1873.269
41.0	1733.357	1753.832	1801.427	1840.940	1855.308
41.5	1714.319	1735.333	1783.108	1824.776	1839.144
42.0	1695.461	1717.013	1765.147	1806.815	1821.184
42.5	1676.243	1698.514	1747.007	1789.573	1803.223
43.0	1657.205	1679.656	1728.867	1771.972	1786.340
43.5	1637.808	1660.977	1710.548	1754.550	1769.098
44.0	1618.052	1641.939	1692.048	1737.309	1751.677
44.5	1598.475	1623.080	1673.908	1719.887	1734.435
45.0	1578.718	1603.683	1655.409	1702.286	1717.193
45.5	1558.603	1584.106	1636.910	1684.864	1699.053
46.0	1538.667	1564.530	1618.411	1667.083	1681.092
46.5	1518.551	1545.132	1599.732	1649.303	1663.132
47.0	1498.795	1525.556	1581.053	1631.342	1644.992
47.5	1478.859	1505.979	1562.374	1613.561	1626.673
48.0	1459.102	1486.402	1543.696	1595.242	1607.814
48.5	1439.166	1466.825	1524.837	1576.743	1588.776
49.0	1419.230	1447.069	1506.338	1557.884	1569.199
49.5	1399.294	1427.492	1487.479	1538.846	1549.443
50.0	1379.538	1407.556	1468.441	1519.449	1528.788
50.5	1359.781	1387.799	1449.403	1500.052	1507.595
51.0	1339.665	1368.222	1430.186	1480.295	1486.402
51.5	1319.909	1348.825	1411.327	1460.000	1465.209
52.0	1300.153	1329.069	1391.930	1439.346	1443.836
52.5	1279.857	1309.492	1372.533	1417.793	1421.924
53.0	1259.383	1289.736	1353.136	1396.061	1400.012
53.5	1238.908	1269.620	1333.918	1374.509	1377.562
54.0	1218.612	1249.864	1314.521	1352.777	1354.573
54.5	1198.317	1229.748	1294.944	1331.404	1330.326

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55.0	1178.022	1209.991	1275.188	1309.312	1306.080
55.5	1157.368	1190.235	1255.431	1287.221	1282.013
56.0	1136.533	1170.119	1235.675	1264.411	1257.946
56.5	1116.238	1150.363	1215.918	1240.883	1233.699
57.0	1096.123	1130.427	1195.982	1217.176	1208.555
57.5	1075.827	1110.311	1175.867	1193.109	1182.512
58.0	1055.532	1090.375	1155.751	1169.581	1156.649
58.5	1035.237	1070.619	1135.276	1145.873	1131.325
59.0	1015.121	1050.683	1114.263	1121.626	1105.821
59.5	995.185	1030.926	1093.069	1096.482	1080.317
60.0	975.429	1011.350	1071.517	1071.337	1054.814
60.5	955.493	991.773	1049.964	1046.013	1029.310
61.0	935.916	972.376	1028.412	1020.869	1004.345
61.5	916.339	952.799	1007.039	995.904	979.380
62.0	896.403	933.401	985.127	971.118	954.415
62.5	876.826	914.004	963.216	946.513	929.630
63.0	856.890	894.787	941.124	921.907	904.844
63.5	837.134	875.389	918.854	897.481	880.239
64.0	817.198	856.351	896.223	873.414	855.633
64.5	797.441	837.313	873.953	849.526	830.668
65.0	777.326	818.275	851.682	825.100	805.523
65.5	757.030	798.878	829.231	801.393	781.277
66.0	736.915	779.661	806.781	777.685	756.671
66.5	716.979	760.443	784.151	753.618	732.425
67.0	697.043	741.046	761.521	730.269	708.537
67.5	677.286	722.008	739.250	706.741	684.650
68.0	656.991	702.970	716.799	683.034	660.583
68.5	637.414	683.932	694.708	659.685	637.055
69.0	618.017	664.714	672.437	635.977	613.527
69.5	598.261	645.496	650.166	612.809	590.178
70.0	579.043	626.638	628.254	589.460	567.369
70.5	559.825	607.600	606.702	566.830	545.098
71.0	540.967	588.203	584.970	544.200	522.647
71.5	521.749	568.985	563.238	521.390	500.736
72.0	503.071	549.588	541.685	499.478	478.644
72.5	484.033	530.370	520.133	477.387	456.912
73.0	465.354	510.973	498.940	455.475	435.180
73.5	446.495	491.935	477.746	433.743	413.628
74.0	427.996	472.897	456.553	412.371	392.973
74.5	409.138	453.679	435.539	391.536	372.498
75.0	390.459	434.462	414.705	371.241	351.664
75.5	371.780	415.244	394.590	350.587	331.010
76.0	354.538	396.565	374.295	329.753	310.356
76.5	335.859	377.707	353.820	309.098	289.881
77.0	317.719	358.669	332.986	288.623	270.663
77.5	300.298	339.811	312.690	269.226	250.727
78.0	283.056	320.952	292.575	249.470	231.330
78.5	265.634	302.273	273.178	229.713	212.292
79.0	248.751	284.313	253.960	210.316	193.613
79.5	232.228	266.353	234.203	191.278	175.114
80.0	216.063	249.111	214.806	172.420	156.974
80.5	200.258	231.509	195.768	153.921	139.013
81.0	185.172	214.088	176.910	135.781	121.233
81.5	170.264	197.205	158.231	118.179	104.529
82.0	156.076	180.322	140.091	101.297	89.263
82.5	142.067	163.978	122.669	86.030	75.972

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CANDELA TABULATION - (Cont.)

83.0	128.596	147.634	105.607	72.740	65.376
83.5	115.485	131.650	89.263	62.502	55.677
84.0	103.093	115.845	74.356	52.983	46.338
84.5	91.059	100.399	61.963	43.823	37.537
85.0	79.565	85.491	51.906	35.023	28.916
85.5	68.609	71.123	42.566	26.941	21.732
86.0	58.192	58.012	33.406	20.295	17.781
86.5	48.313	47.056	24.965	16.344	15.266
87.0	39.333	37.717	17.960	13.830	12.752
87.5	30.892	28.916	12.931	11.315	10.417
88.0	23.169	20.834	10.237	9.160	8.441
88.5	16.344	14.189	8.262	7.723	7.005
89.0	11.495	9.699	6.825	6.286	5.927
89.5	8.082	6.466	5.388	5.209	4.849
90.0	5.029	4.849	4.131	3.951	3.772
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 : HETG-S14-L69-835-A-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 : HETG-S14-L69-835-A-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 : HETG-S14-L69-835-A-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	957.29	N.A.	13.70
0-30	2016.8	N.A.	28.90
0-40	3269.89	N.A.	46.80
0-60	5668.01	N.A.	81.20
0-80	6902.79	N.A.	98.90
0-90	6982.59	N.A.	100.00
10-90	6733.97	N.A.	96.40
20-40	2312.61	N.A.	33.10
20-50	3586.91	N.A.	51.40
40-70	3211.22	N.A.	46.00
60-80	1234.78	N.A.	17.70
70-80	421.68	N.A.	6.00
80-90	79.80	N.A.	1.10
90-110	0.12	N.A.	0.00
90-120	0.12	N.A.	0.00
90-130	0.12	N.A.	0.00
90-150	0.12	N.A.	0.00
90-180	0.12	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6982.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	248.62
10-20	708.67
20-30	1059.51
30-40	1253.1
40-50	1274.3
50-60	1123.81
60-70	813.10
70-80	421.68
80-90	79.80
90-100	0.12
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 : HETG-S14-L69-835-A-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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	71	66	62	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HETG-S14-L69-835-A-DIM-UNV_.IES

UGR TABLE - CORRECTED

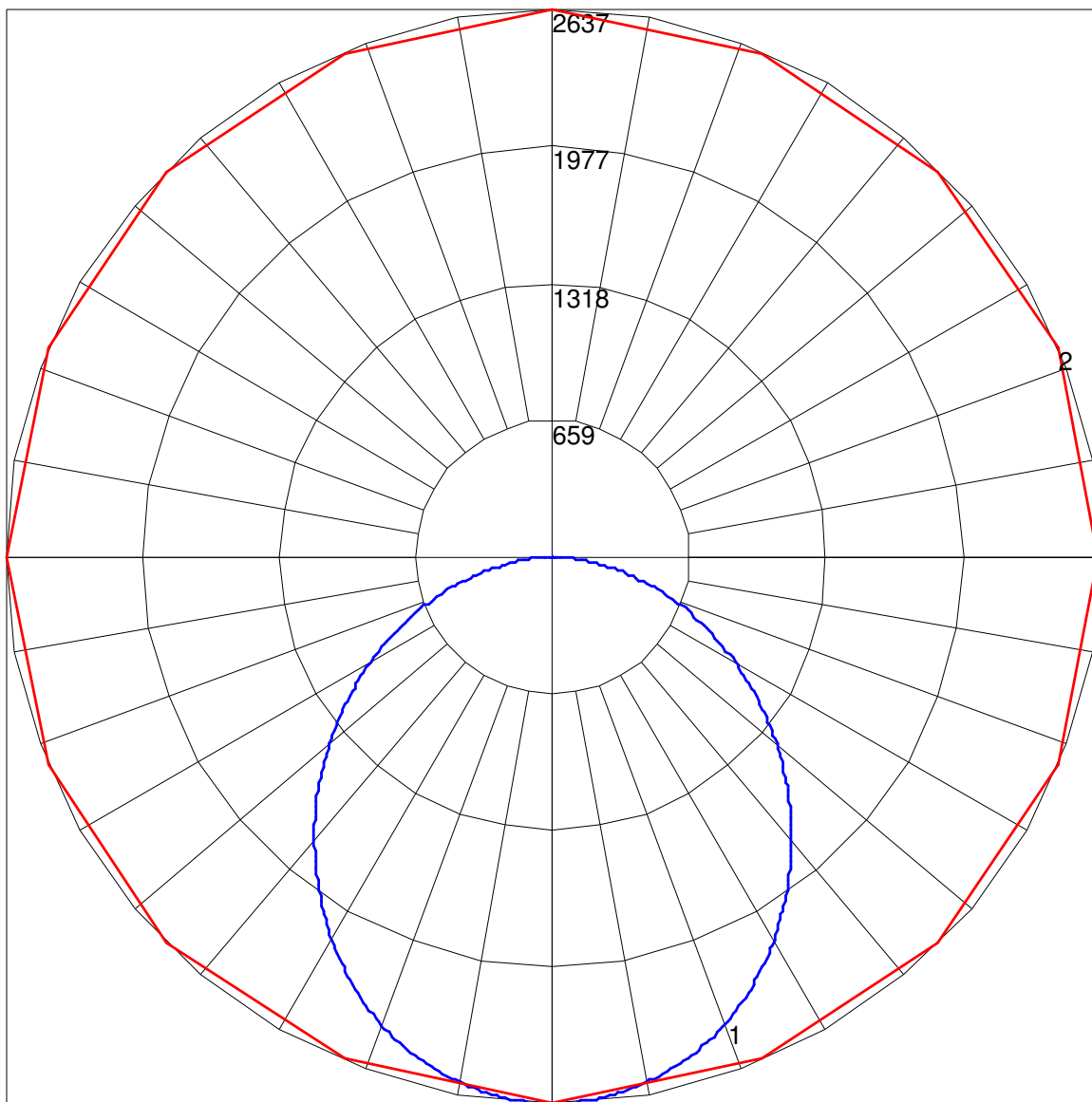
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	18.4	20.0	18.8	20.3	20.6	18.9	20.5	19.3	20.8	21.2
	3H	20.1	21.6	20.5	21.9	22.3	20.4	21.8	20.8	22.2	22.5
	4H	20.7	22.1	21.1	22.4	22.8	20.8	22.2	21.2	22.5	22.9
	6H	21.1	22.4	21.5	22.7	23.1	21.0	22.3	21.4	22.7	23.1
	8H	21.2	22.4	21.6	22.8	23.2	21.1	22.3	21.5	22.7	23.1
	12H	21.3	22.4	21.7	22.8	23.2	21.1	22.2	21.5	22.6	23.0
4H	2H	19.1	20.5	19.5	20.8	21.2	19.5	20.9	19.9	21.2	21.6
	3H	21.0	22.2	21.4	22.6	23.0	21.2	22.3	21.6	22.7	23.1
	4H	21.8	22.8	22.2	23.2	23.6	21.7	22.7	22.1	23.2	23.6
	6H	22.3	23.2	22.7	23.6	24.1	22.0	22.9	22.5	23.4	23.8
	8H	22.4	23.3	22.9	23.7	24.2	22.1	22.9	22.5	23.3	23.8
	12H	22.5	23.3	23.0	23.7	24.2	22.1	22.8	22.5	23.3	23.8
8H	4H	22.0	22.9	22.5	23.3	23.8	22.0	22.8	22.5	23.3	23.7
	6H	22.6	23.3	23.1	23.8	24.3	22.4	23.1	22.8	23.5	24.0
	8H	22.9	23.5	23.4	24.0	24.5	22.4	23.0	22.9	23.5	24.0
	12H	23.0	23.5	23.5	24.0	24.6	22.4	23.0	22.9	23.5	24.0
12H	4H	22.0	22.8	22.5	23.3	23.7	22.0	22.8	22.5	23.2	23.7
	6H	22.7	23.3	23.2	23.8	24.3	22.4	23.0	22.9	23.5	24.0
	8H	22.9	23.5	23.4	24.0	24.5	22.5	23.0	23.0	23.5	24.1

Maximum UGR = 24.6

POLAR GRAPH



Maximum Candela = 2636.585 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.)