

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL736HTHO5KTV_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4373
[TESTLAB] TUV SUD America
[ISSUE DATE] 1/26/2023 10:53:47 AM
[MANUFAC] BEGHELLI
[LUMCAT] OUTDOOR LUMINAIRE
[OTHER] FLOOD
[LUMINAIRE] BL736HTHO5KTV_P
[_ AMBIENT] 24.4 deg C
[_ POWERFACTOR] 0.9988
[_ ATHD] 1.41%
[_ CURRENT] 1.90
[_ VOLTAGE] 120.14
[_ STABILIZATION] 25:19.2 Stable
[_ POWER VARIATION] 0.16%
[_ LIGHT VARIATION] 0.49%
[_ Lumens] 35230

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	35230
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	240
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.58
Spacing Criterion (90-270)	1.54
Spacing Criterion (Diagonal)	1.58
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.96 ft
Luminous Width (90-270)	0.96 ft
Luminous Height	0.33 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	110553	150095	130662
55	63638	51615	60038
65	8612	5575	8554
75	2062	1456	1834
85	440	268	401

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0.0	13089.3691	3089.3691	3089.3691	3089.3691	3089.3691	3089.3691	3089.3691	3089.3691	3089.3691	3089.3691
2.5	13089.8571	3082.7841	3082.2961	3097.0201	3103.4921	3078.0901	3072.4571	3075.6091	3086.8531	3079.700
5.0	13071.5051	3033.2731	3044.0991	3055.0591	3064.1941	3049.6751	3046.7161	3051.7261	3079.2471	3063.980
7.5	13029.3971	2970.3541	3009.5841	3010.9671	3021.2821	3007.0561	3011.0231	3007.1251	3038.3631	3036.334
10.0	12971.3521	2916.7301	2949.0001	2947.1981	2967.3171	2945.1241	2955.7551	2989.9181	3031.8901	3039.915
12.5	12802.2831	2768.2791	2803.3601	2850.0141	2879.7331	2905.6561	2966.1601	3093.2121	3178.2551	3213.462
15.0	12607.6331	2578.4011	2623.0931	2661.7671	2753.0571	2930.0711	3128.9381	3268.4011	3363.3071	3383.289
17.5	12688.3021	2677.3761	2594.1441	2530.6931	2679.5851	3013.7891	3256.4881	3373.4171	3463.2101	3517.390
20.0	13744.9341	3654.3811	3217.6101	2753.2841	2784.3741	3035.5071	3311.9721	3689.8021	3911.0781	4036.270
22.5	14511.7261	4461.7631	4180.1071	3749.6841	3207.9521	3129.1311	3637.5721	4220.3901	4474.8211	4546.252
25.0	14769.3421	4748.0331	4681.0221	4637.2581	4105.2641	3719.7371	4125.9271	4478.7651	4632.9511	4639.084
27.5	14825.1311	4741.8771	4820.1321	5157.4991	5009.2631	4815.0091	4349.1751	4442.8121	4521.2931	4519.808
30.0	14880.6601	4767.3471	4939.6221	5262.7981	5797.1051	5718.0221	4510.0491	4301.7171	4311.6691	4302.681
32.5	14985.4261	4954.1991	5241.1031	5574.1961	6210.6961	6147.7431	4848.4361	4098.2591	3984.6631	3932.648
35.0	14743.4411	4722.1671	5405.0141	6126.3431	6436.2571	6235.2361	5103.7151	3798.5921	3522.8531	3443.544
37.5	13664.6161	3732.4311	4960.4901	6264.2751	6484.6781	6021.8031	5131.2591	3505.8621	3037.1511	2977.462
40.0	12136.4601	2227.8861	3860.7641	5723.6101	6158.5571	5603.2921	4946.6161	3395.6781	2577.4031	2474.178
42.5	10470.6571	10680.1671	12616.3831	14264.8221	15107.4901	14930.5551	14472.4071	13257.4961	11981.8781	11737.910
45.0	8990.480	9222.808	11246.1431	12555.5731	13318.1261	13702.4401	13549.7621	12640.3561	11055.5381	10625.851
47.5	7633.864	7915.917	9716.264	10496.7831	11193.0841	11675.6371	12018.2051	11368.1729	735.590	9131.439
50.0	6659.896	6957.988	8310.942	8497.478	8858.069	9048.888	9885.786	9530.511	8135.187	7466.076
52.5	5926.563	6205.544	7075.732	6860.328	6677.998	6246.089	7350.678	7408.666	6435.650	5845.509
55.0	4661.520	4894.040	5540.039	5269.854	4767.058	3833.690	4857.089	5352.041	4882.751	4397.852
57.5	3084.603	3247.063	3705.280	3445.919	3069.811	2134.188	2889.249	3471.660	3398.234	3028.734
60.0	1884.847	1972.669	2215.798	1974.936	1734.096	1123.189	1550.009	1974.357	2030.600	1810.798
62.5	1061.359	1103.308	1223.354	1089.718	923.257	585.335	789.031	1043.767	1108.205	990.528
65.0	542.184	561.498	626.446	547.319	488.752	337.400	415.020	544.326	601.068	538.512
67.5	303.657	309.007	329.250	270.582	258.907	217.196	239.208	284.342	317.893	294.952
70.0	203.390	202.653	203.390	169.930	163.526	152.871	159.389	169.930	183.146	176.957
72.5	145.232	141.842	141.967	126.824	122.041	115.013	120.295	121.848	126.019	123.707
75.0	104.642	101.604	102.942	97.252	94.112	88.184	92.344	92.514	94.135	93.058
77.5	76.203	72.633	74.390	72.270	70.275	65.469	68.575	68.688	70.014	69.346
80.0	52.423	49.317	50.666	49.918	48.569	45.078	47.504	47.583	49.079	48.569
82.5	32.293	29.833	31.068	30.479	29.969	27.045	28.971	29.164	30.400	30.037
85.0	16.277	13.602	14.848	14.463	14.078	12.355	13.704	13.953	14.871	14.848
87.5	4.851	3.208	4.092	3.718	3.604	2.947	3.718	3.774	4.205	4.375
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT

CANDELA TABULATION - (Cont.)

[illegible]

Vert. Angles	Horizontal Angles

	100	110	120	130	140	150	160	170	180	190
0.0	13089.3691	13089.3691	13089.3691	13089.3691	13089.3691	13089.3691	13089.3691	13089.3691	13089.3691	13089.3691
2.5	13086.2301	13087.3291	13079.4741	13082.1481	13085.6511	13079.0311	13066.4391	13061.2021	13049.9811	13061.2021
5.0	13062.4941	13056.3291	13042.1711	13063.8441	13084.0991	13050.1281	13035.8231	13020.2161	12994.7351	13020.2161
7.5	13036.2101	13003.1461	13014.6851	13026.4721	13035.0531	13007.6231	12980.5901	12981.8821	12912.2981	12981.8821
10.0	13042.4441	12985.3961	12957.1051	12962.5671	12957.4451	12941.9051	12935.9201	12922.5451	12844.6191	12922.5451
12.5	13210.2651	13092.0101	12989.8851	12912.3331	12879.7911	12874.0891	12852.8711	12832.1401	12751.5951	12832.1401
15.0	13359.9741	13278.6131	13166.8081	12976.7141	12836.6051	12791.0391	12769.5381	12725.4901	12725.7411	12725.4901
17.5	13482.1501	13384.7851	13253.3371	13138.0061	12897.0191	12743.5241	12943.9101	13055.7951	13204.2011	13055.7951
20.0	14016.3201	13718.9891	13394.8501	13193.5691	13074.4191	13176.2151	13642.9781	13962.3561	14130.5171	13962.3561
22.5	14514.3561	14237.0641	13894.8351	13317.1621	13496.6021	14090.6991	14456.6731	14698.5911	14766.1901	14698.5911
25.0	14610.2021	14510.6731	14375.4381	13921.3921	14237.0641	14887.0751	14947.0351	14993.4851	14987.1611	14993.4851
27.5	14493.2961	14506.0251	14597.7681	14767.4151	15143.9651	15315.2661	15097.4701	14953.9721	14906.5701	14953.9721
30.0	14279.2401	14377.7391	14740.8121	15541.3371	15933.1091	15428.8741	15145.3471	14930.8721	14905.1771	14930.8721
32.5	13933.4301	14198.7761	14906.8661	16036.8901	16401.9911	15719.9491	15308.9861	14953.0091	14859.5311	14953.0091
35.0	13461.9181	13936.6151	15032.5111	16224.5131	16513.9221	16079.5641	15289.0941	14577.6951	14300.5951	14577.6951
37.5	12999.2921	13684.9851	14979.8151	16103.4361	16378.0761	16122.2291	14783.3051	13633.7861	13149.6131	13633.7861
40.0	12538.9451	13548.0951	14795.5241	15667.9461	15919.0421	15497.0411	13825.8301	12272.6361	11645.9401	12272.6361
42.5	11876.8961	13339.4011	14467.8731	14974.7151	14869.3821	14207.5601	12707.8201	10790.9401	10107.0401	10790.9401
45.0	10875.6561	12786.8011	13743.3701	13876.0201	13297.2021	12588.4771	11493.0479	9499.998	8843.106	9499.998
47.5	9530.024	11651.8911	12348.9751	12142.1851	11380.5501	10753.5251	10096.1128	436.259	7803.840	8436.259
50.0	7978.813	9915.743	10228.5369	776.802	9219.951	8817.207	8669.765	7495.581	6889.990	7495.581
52.5	6350.878	7792.686	7687.670	7077.228	7076.831	6971.691	7122.964	6461.902	5798.719	6461.902
55.0	4836.936	5661.739	5154.920	4542.528	4971.898	5048.090	5220.174	4867.880	4125.253	4867.880
57.5	3354.731	3738.093	3130.247	2647.763	3079.683	3170.848	3405.103	3216.221	2652.479	3216.221
60.0	1999.509	2172.250	1744.320	1443.259	1757.196	1879.463	2104.650	2048.033	1696.147	2048.033
62.5	1093.697	1161.036	925.410	759.595	974.784	1100.078	1244.799	1240.152	1000.185	1240.152
65.0	592.487	611.337	496.109	414.317	533.128	591.671	689.717	693.729	545.018	693.729
67.5	318.312	319.854	277.258	251.857	292.741	303.475	379.225	373.524	295.360	373.524
70.0	185.356	184.098	174.373	171.562	180.369	180.664	223.611	219.632	189.210	219.632
72.5	125.600	127.527	126.733	127.141	130.054	129.918	146.864	147.181	135.574	147.181
75.0	93.545	96.504	97.229	98.170	99.303	99.303	105.084	106.773	99.745	106.773
77.5	69.652	72.304	73.131	74.503	74.492	74.628	76.781	77.937	73.097	77.937
80.0	48.921	51.188	51.958	53.466	52.944	52.706	53.670	54.871	50.711	54.871

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CANDELA TABULATION - (Cont.)

82.5	30.490	32.565	33.222	34.616	33.335	33.415	33.902	34.741	31.442	34.741
85.0	15.200	16.821	17.263	18.532	17.093	17.149	17.444	18.068	15.608	18.068
87.5	4.375	5.282	5.441	6.472	5.361	5.271	5.701	5.418	4.307	5.418
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0.0	13089.369	13089.369	13089.369	13089.369	13089.369	13089.369	13089.369	13089.369	13089.369	13089.369
2.5	13066.439	13079.031	13085.651	13082.148	13079.474	13087.329	13086.230	13079.700	13086.853	13075.609
5.0	13035.823	13050.128	13084.099	13063.844	13042.171	13056.329	13062.494	13063.980	13079.247	13051.726
7.5	12980.590	13007.623	13035.053	13026.472	13014.685	13003.146	13036.210	13036.334	13038.363	13007.125
10.0	12935.920	12941.905	12957.445	12962.567	12957.105	12985.396	13042.444	13039.915	13031.890	12989.918
12.5	12852.871	12874.089	12879.791	12912.333	12989.885	13092.010	13210.265	13213.462	13178.255	13093.212
15.0	12769.538	12791.039	12836.605	12976.714	13166.808	13278.613	13359.974	13383.289	13363.307	13268.401
17.5	12943.910	12743.524	12897.019	13138.006	13253.337	13384.785	13482.150	13517.390	13463.210	13373.417
20.0	13642.978	13176.215	13074.419	13193.569	13394.850	13718.989	14016.320	14036.270	13911.078	13689.802
22.5	14456.673	14090.699	13496.602	13317.162	13894.835	14237.064	14514.356	14546.252	14474.821	14220.390
25.0	14947.035	14887.075	14237.064	13921.392	14375.438	14510.673	14610.202	14639.084	14632.951	14478.765
27.5	15097.470	15315.266	15143.965	14767.415	14597.768	14506.025	14493.296	14519.808	14521.293	14442.812

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BL736HTHO5KTV_P.IES

CANDELA TABULATION - (Cont.)

30.0	15145.34715428.87415933.10915541.33714740.81214377.73914279.24014302.68114311.66914301.717
32.5	15308.98615719.94916401.99116036.89014906.86614198.77613933.43013932.64813984.66314098.259
35.0	15289.09416079.56416513.92216224.51315032.51113936.61513461.91813443.54413522.85313798.592
37.5	14783.30516122.22916378.07616103.43614979.81513684.98512999.29212977.46213037.15113505.862
40.0	13825.83015497.04115919.04215667.94614795.52413548.09512538.94512474.17812577.40313395.678
42.5	12707.82014207.56014869.38214974.71514467.87313339.40111876.89611737.91011981.87813257.496
45.0	11493.04712588.47713297.20213876.02013743.37012786.80110875.65610625.85111055.53812640.356
47.5	10096.11210753.52511380.55012142.18512348.97511651.8919530.024 9131.439 9735.590 11368.172
50.0	8669.765 8817.207 9219.951 9776.802 10228.5369915.743 7978.813 7466.076 8135.187 9530.511
52.5	7122.964 6971.691 7076.831 7077.228 7687.670 7792.686 6350.878 5845.509 6435.650 7408.666
55.0	5220.174 5048.090 4971.898 4542.528 5154.920 5661.739 4836.936 4397.852 4882.751 5352.041
57.5	3405.103 3170.848 3079.683 2647.763 3130.247 3738.093 3354.731 3028.734 3398.234 3471.660
60.0	2104.650 1879.463 1757.196 1443.259 1744.320 2172.250 1999.509 1810.798 2030.600 1974.357
62.5	1244.799 1100.078 974.784 759.595 925.410 1161.036 1093.697 990.528 1108.205 1043.767
65.0	689.717 591.671 533.128 414.317 496.109 611.337 592.487 538.512 601.068 544.326
67.5	379.225 303.475 292.741 251.857 277.258 319.854 318.312 294.952 317.893 284.342
70.0	223.611 180.664 180.369 171.562 174.373 184.098 185.356 176.957 183.146 169.930
72.5	146.864 129.918 130.054 127.141 126.733 127.527 125.600 123.707 126.019 121.848
75.0	105.084 99.303 99.303 98.170 97.229 96.504 93.545 93.058 94.135 92.514
77.5	76.781 74.628 74.492 74.503 73.131 72.304 69.652 69.346 70.014 68.688
80.0	53.670 52.706 52.944 53.466 51.958 51.188 48.921 48.569 49.079 47.583
82.5	33.902 33.415 33.335 34.616 33.222 32.565 30.490 30.037 30.400 29.164
85.0	17.444 17.149 17.093 18.532 17.263 16.821 15.200 14.848 14.871 13.953
87.5	5.701 5.271 5.361 6.472 5.441 5.282 4.375 4.375 4.205 3.774
90.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
92.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
95.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
97.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
100.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
102.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
105.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
107.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
110.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
112.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
115.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
117.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
120.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
122.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
125.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
127.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
130.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
132.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
135.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
137.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
140.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
142.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
145.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
147.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
150.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
152.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
155.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
157.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
160.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
162.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
165.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
167.5	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.
Angles**

Horizontal Angles

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0.0	13089.369	13089.369	13089.369	13089.369	13089.369	13089.369	13089.369
2.5	13072.457	13078.090	13103.492	13097.020	13082.296	13082.784	13089.857
5.0	13046.716	13049.675	13064.194	13055.059	13044.099	13033.273	13071.505
7.5	13011.023	13007.056	13021.282	13010.967	13009.584	12970.354	13029.397
10.0	12955.755	12945.124	12967.317	12947.198	12949.000	12916.730	12971.352
12.5	12966.160	12905.656	12879.733	12850.014	12803.360	12768.279	12802.283
15.0	13128.938	12930.071	12753.057	12661.767	12623.093	12578.401	12607.633
17.5	13256.488	13013.789	12679.585	12530.693	12594.144	12677.376	12688.302
20.0	13311.972	13035.507	12784.374	12753.284	13217.610	13654.381	13744.934
22.5	13637.572	13129.131	13207.952	13749.684	14180.107	14461.763	14511.726
25.0	14125.927	13719.737	14105.264	14637.258	14681.022	14748.033	14769.342
27.5	14349.175	14815.009	15009.263	15157.499	14820.132	14741.877	14825.131
30.0	14510.049	15718.022	15797.105	15262.798	14939.622	14767.347	14880.660
32.5	14848.436	16147.743	16210.696	15574.196	15241.103	14954.199	14985.426
35.0	15103.715	16235.236	16436.257	16126.343	15405.014	14722.167	14743.441
37.5	15131.259	16021.803	16484.678	16264.275	14960.490	13732.431	13664.616
40.0	14946.616	15603.292	16158.557	15723.610	13860.764	12227.886	12136.460
42.5	14472.407	14930.555	15107.490	14264.822	12616.383	10680.167	10470.657
45.0	13549.762	13702.440	13318.126	12555.573	11246.143	9222.808	8990.480
47.5	12018.205	11675.637	11193.084	10496.783	9716.264	7915.917	7633.864
50.0	9885.786	9048.888	8858.069	8497.478	8310.942	6957.988	6659.896
52.5	7350.678	6246.089	6677.998	6860.328	7075.732	6205.544	5926.563
55.0	4857.089	3833.690	4767.058	5269.854	5540.039	4894.040	4661.520
57.5	2889.249	2134.188	3069.811	3445.919	3705.280	3247.063	3084.603
60.0	1550.009	1123.189	1734.096	1974.936	2215.798	1972.669	1884.847
62.5	789.031	585.335	923.257	1089.718	1223.354	1103.308	1061.359
65.0	415.020	337.400	488.752	547.319	626.446	561.498	542.184
67.5	239.208	217.196	258.907	270.582	329.250	309.007	303.657
70.0	159.389	152.871	163.526	169.930	203.390	202.653	203.390
72.5	120.295	115.013	122.041	126.824	141.967	141.842	145.232
75.0	92.344	88.184	94.112	97.252	102.942	101.604	104.642
77.5	68.575	65.469	70.275	72.270	74.390	72.633	76.203
80.0	47.504	45.078	48.569	49.918	50.666	49.317	52.423
82.5	28.971	27.045	29.969	30.479	31.068	29.833	32.293
85.0	13.704	12.355	14.078	14.463	14.848	13.602	16.277
87.5	3.718	2.947	3.604	3.718	4.092	3.208	4.851
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4946.34	N.A.	14.00
0-30	11626.74	N.A.	33.00
0-40	20926.42	N.A.	59.40
0-60	34394.29	N.A.	97.60
0-80	35208.86	N.A.	99.90
0-90	35229.71	N.A.	100.00
10-90	33986.72	N.A.	96.50
20-40	15980.08	N.A.	45.40
20-50	24991.55	N.A.	70.90
40-70	14172.76	N.A.	40.20
60-80	814.57	N.A.	2.30
70-80	109.67	N.A.	0.30
80-90	20.85	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	35229.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1242.99
10-20	3703.35
20-30	6680.4
30-40	9299.68
40-50	9011.47
50-60	4456.4
60-70	704.89
70-80	109.67
80-90	20.85
90-100	0.00
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

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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47
7	71	58	50	45	69	58	50	45	56	49	44	55	49	44	53	48	44	42
8	66	53	45	40	64	53	45	40	51	44	40	50	44	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	39	35	34
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30

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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

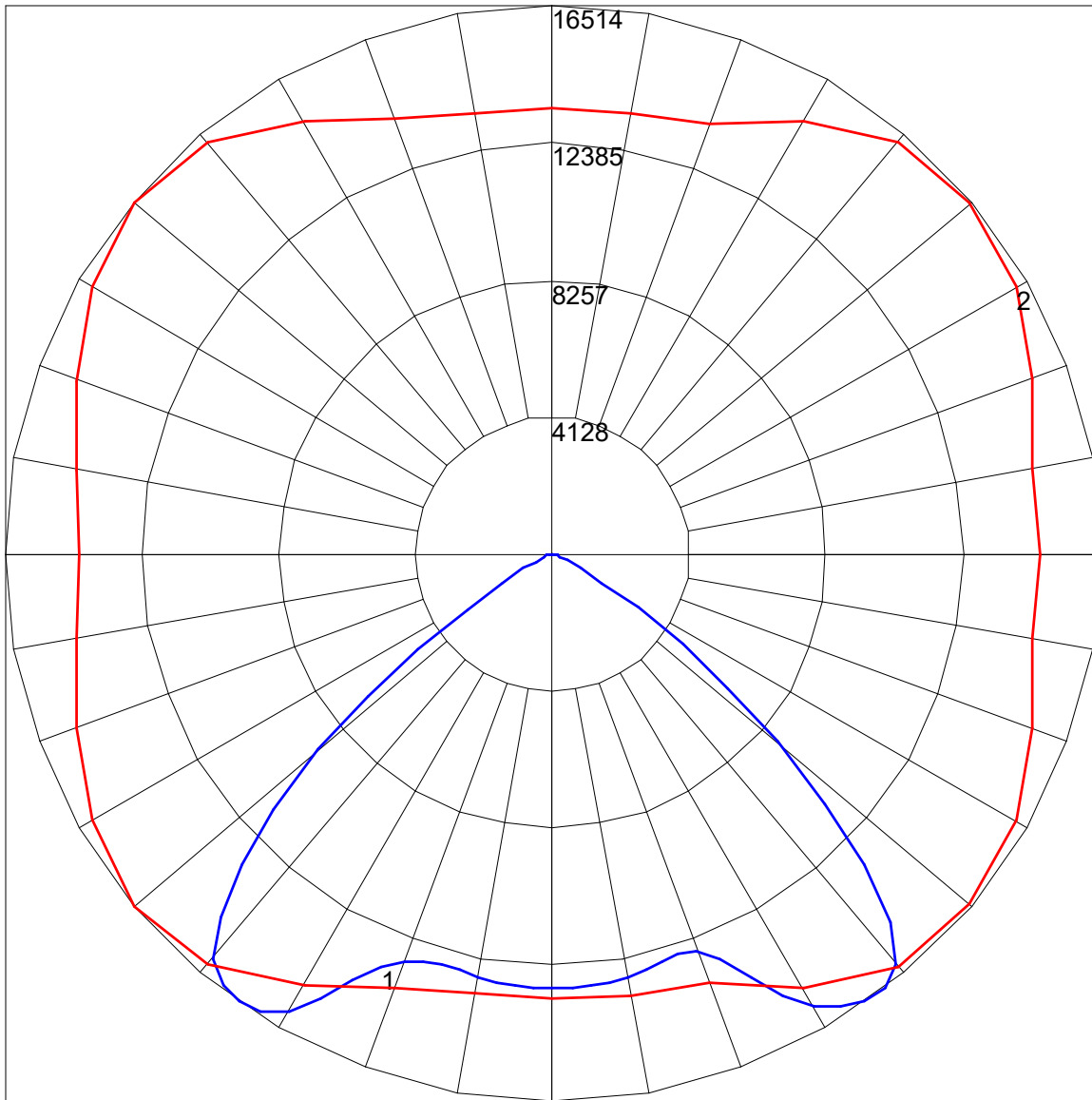
X=2H	Y=2H	24.0	25.4	24.4	25.8	26.1	23.9	25.3	24.3	25.6	25.9
	3H	24.0	25.2	24.3	25.5	25.9	23.8	25.1	24.2	25.4	25.7
	4H	23.9	25.0	24.3	25.4	25.8	23.8	24.9	24.2	25.3	25.6
	6H	23.8	24.9	24.2	25.2	25.6	23.7	24.7	24.1	25.1	25.5
	8H	23.8	24.8	24.2	25.2	25.6	23.6	24.6	24.1	25.0	25.4
	12H	23.7	24.7	24.2	25.1	25.5	23.6	24.6	24.0	24.9	25.4

UGR Viewed Endwise

4H	2H	23.9	25.0	24.3	25.4	25.8	23.7	24.9	24.1	25.2	25.6
	3H	23.8	24.7	24.2	25.1	25.5	23.7	24.6	24.1	25.0	25.4
	4H	23.7	24.5	24.1	24.9	25.4	23.6	24.4	24.0	24.8	25.3
	6H	23.6	24.3	24.1	24.8	25.3	23.5	24.2	24.0	24.7	25.1
	8H	23.6	24.2	24.1	24.7	25.2	23.5	24.1	23.9	24.6	25.0
	12H	23.5	24.1	24.0	24.6	25.1	23.4	24.0	23.9	24.5	24.9
8H	4H	23.6	24.2	24.0	24.7	25.2	23.5	24.1	23.9	24.6	25.0
	6H	23.5	24.0	24.0	24.5	25.0	23.4	23.9	23.9	24.4	24.9
	8H	23.4	23.9	23.9	24.4	24.9	23.3	23.8	23.8	24.3	24.8
	12H	23.4	23.8	23.9	24.3	24.9	23.2	23.7	23.8	24.2	24.7
12H	4H	23.5	24.1	24.0	24.6	25.1	23.4	24.0	23.9	24.5	24.9
	6H	23.4	23.9	23.9	24.4	24.9	23.3	23.8	23.8	24.3	24.8
	8H	23.4	23.8	23.9	24.3	24.9	23.2	23.7	23.8	24.2	24.7

Maximum UGR = 26.1

POLAR GRAPH



Maximum Candela = 16513.922 Located At Horizontal Angle = 140, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (140 - 320) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)