



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BRITE-2-835-U10-XX-WA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA001669-010
 [TESTLAB] LightLab International Allentown, LLC
 [ISSUEDATE] 4/4/2022
 [MANUFAC] Lux Dynamics
 [LUMCAT] BRITE-2-835-U10-SM-WA
 [LUMINAIRE] BRITE Line LED Fixture, 2' Length, 3500K, White Acrylic Lens
 [LAMP] 180 LEDs on one white Osram PrevaLED LED board
 [BALLAST] One Osram OTi85/120-277/2A3 DIM L HB LED driver labeled as 1100mA
 [OTHER] 277.0Vac, 60.00Hz, 0.2248A, 59.16W, 0.950PF, 12.8%THD(i)
 [OTHER] This test was performed using the absolute method of photometry.
 [MORE] Lamp lumens value was set to -1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8030
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	59.156
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.91 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	51059	46776	48788
55	46470	42092	45821
65	40816	37633	43541
75	31907	34110	41521
85	14683	31415	40944

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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	2351	2351	2351	2351	2351
0.5	2350	2350	2351	2351	2351
1.0	2350	2349	2350	2351	2352
1.5	2349	2348	2349	2351	2352
2.0	2347	2346	2349	2350	2352
2.5	2345	2344	2347	2350	2352
3.0	2343	2342	2346	2349	2351
3.5	2342	2340	2344	2348	2351
4.0	2339	2337	2342	2347	2351
4.5	2336	2334	2340	2345	2349
5.0	2334	2331	2338	2344	2348
5.5	2329	2328	2335	2342	2347
6.0	2326	2325	2333	2339	2344
6.5	2322	2321	2328	2337	2341
7.0	2319	2317	2326	2334	2339
7.5	2314	2313	2322	2331	2336
8.0	2310	2308	2319	2328	2333
8.5	2304	2304	2314	2324	2329
9.0	2299	2299	2310	2320	2326
9.5	2294	2294	2305	2317	2322
10.0	2288	2289	2301	2313	2319
10.5	2282	2283	2295	2308	2315
11.0	2276	2277	2290	2304	2310
11.5	2270	2271	2284	2299	2306
12.0	2263	2264	2279	2294	2302
12.5	2255	2257	2274	2290	2297
13.0	2247	2250	2267	2284	2292
13.5	2240	2244	2260	2279	2286
14.0	2233	2235	2255	2274	2283
14.5	2224	2228	2247	2267	2277
15.0	2216	2220	2241	2261	2271
15.5	2207	2211	2233	2255	2265
16.0	2197	2203	2226	2249	2259
16.5	2189	2194	2218	2242	2253
17.0	2180	2185	2210	2235	2246
17.5	2170	2176	2202	2228	2239
18.0	2160	2167	2194	2221	2233
18.5	2150	2157	2186	2214	2227
19.0	2140	2147	2177	2207	2219
19.5	2129	2137	2168	2199	2213
20.0	2118	2127	2158	2191	2205
20.5	2108	2116	2149	2183	2197
21.0	2096	2105	2140	2175	2190
21.5	2085	2094	2130	2167	2182
22.0	2073	2083	2121	2158	2173
22.5	2061	2072	2110	2149	2165
23.0	2050	2061	2101	2140	2157
23.5	2036	2049	2090	2131	2149
24.0	2024	2037	2079	2122	2139
24.5	2011	2025	2068	2113	2130
25.0	1998	2013	2057	2103	2121
25.5	1985	2000	2046	2094	2112
26.0	1972	1988	2035	2084	2103
26.5	1958	1975	2024	2074	2093

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27.0	1945	1962	2012	2064	2084
27.5	1932	1949	2000	2054	2075
28.0	1917	1935	1988	2043	2064
28.5	1904	1922	1976	2032	2054
29.0	1889	1908	1964	2021	2043
29.5	1874	1894	1951	2011	2033
30.0	1859	1880	1938	1999	2023
30.5	1845	1866	1926	1988	2013
31.0	1830	1852	1913	1977	2001
31.5	1815	1838	1900	1965	1990
32.0	1800	1824	1888	1954	1980
32.5	1785	1809	1874	1942	1968
33.0	1770	1794	1861	1930	1957
33.5	1754	1779	1847	1918	1945
34.0	1738	1764	1834	1906	1934
34.5	1722	1749	1820	1894	1922
35.0	1707	1734	1806	1881	1910
35.5	1691	1718	1792	1869	1898
36.0	1675	1703	1778	1856	1886
36.5	1659	1688	1764	1844	1875
37.0	1643	1672	1750	1831	1862
37.5	1627	1656	1735	1818	1850
38.0	1610	1641	1721	1805	1837
38.5	1594	1625	1706	1792	1824
39.0	1577	1609	1691	1779	1811
39.5	1561	1593	1677	1766	1799
40.0	1544	1577	1662	1752	1786
40.5	1527	1561	1647	1739	1774
41.0	1511	1545	1632	1726	1761
41.5	1494	1528	1617	1711	1748
42.0	1477	1512	1602	1698	1735
42.5	1461	1495	1587	1684	1722
43.0	1443	1479	1571	1670	1708
43.5	1426	1462	1555	1656	1696
44.0	1409	1446	1540	1642	1683
44.5	1392	1429	1525	1628	1670
45.0	1375	1413	1509	1615	1657
45.5	1358	1396	1494	1601	1644
46.0	1341	1379	1478	1587	1631
46.5	1324	1362	1462	1573	1618
47.0	1306	1346	1446	1559	1604
47.5	1289	1329	1431	1545	1591
48.0	1272	1312	1415	1531	1577
48.5	1255	1295	1399	1517	1564
49.0	1237	1278	1383	1503	1550
49.5	1220	1261	1366	1488	1537
50.0	1203	1244	1351	1475	1524
50.5	1186	1227	1335	1460	1510
51.0	1168	1210	1319	1446	1497
51.5	1151	1193	1303	1432	1483
52.0	1134	1176	1287	1418	1469
52.5	1116	1158	1271	1403	1455
53.0	1099	1141	1255	1389	1442
53.5	1081	1124	1239	1375	1428
54.0	1064	1107	1224	1361	1415
54.5	1046	1090	1208	1347	1402

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55.0	1029	1073	1192	1332	1388
55.5	1011	1056	1177	1318	1374
56.0	994	1039	1161	1304	1360
56.5	977	1022	1145	1290	1347
57.0	959	1005	1129	1275	1333
57.5	942	988	1114	1261	1319
58.0	924	970	1098	1247	1306
58.5	907	953	1082	1233	1292
59.0	890	936	1067	1219	1279
59.5	873	919	1051	1205	1266
60.0	855	902	1036	1191	1253
60.5	838	885	1021	1177	1239
61.0	820	868	1005	1163	1226
61.5	802	851	990	1150	1213
62.0	785	834	975	1136	1199
62.5	768	817	960	1122	1186
63.0	750	800	945	1109	1172
63.5	733	783	930	1095	1159
64.0	716	766	915	1082	1146
64.5	699	749	900	1068	1133
65.0	681	732	885	1054	1119
65.5	664	716	871	1041	1106
66.0	646	699	857	1028	1092
66.5	629	682	842	1014	1078
67.0	611	666	828	1001	1065
67.5	594	650	815	987	1051
68.0	577	634	801	973	1037
68.5	560	617	787	959	1023
69.0	543	602	773	946	1010
69.5	526	586	760	932	996
70.0	509	570	746	919	982
70.5	492	554	733	904	968
71.0	475	539	719	891	955
71.5	458	523	706	877	940
72.0	441	508	693	863	927
72.5	425	493	680	850	913
73.0	408	478	666	836	899
73.5	391	463	653	822	885
74.0	375	448	640	809	872
74.5	358	434	627	795	858
75.0	342	420	614	782	844
75.5	326	406	601	768	830
76.0	310	392	587	754	816
76.5	294	379	575	741	803
77.0	279	366	562	728	790
77.5	263	353	549	714	776
78.0	248	340	536	701	763
78.5	232	328	524	688	749
79.0	218	316	511	675	736
79.5	203	304	499	662	723
80.0	188	292	487	649	710
80.5	174	280	474	636	697
81.0	160	269	463	624	684
81.5	147	258	451	612	672
82.0	134	247	439	600	659
82.5	121	236	428	588	647

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83.0	109	225	417	576	635
83.5	97	215	406	564	622
84.0	86	205	395	552	611
84.5	75	196	385	541	599
85.0	65	186	375	530	587
85.5	55	177	365	519	576
86.0	46	169	355	509	565
86.5	38	161	346	498	554
87.0	30	153	337	488	544
87.5	23	146	328	479	534
88.0	18	139	321	470	525
88.5	13	133	313	461	515
89.0	10	128	306	453	507
89.5	3	123	299	445	499
90.0	0	119	294	438	491
90.5	0	115	288	432	484
91.0	0	111	283	426	477
91.5	1	108	279	420	471
92.0	1	105	274	414	465
92.5	1	102	270	409	459
93.0	1	99	265	403	453
93.5	1	97	261	398	448
94.0	2	94	256	393	442
94.5	2	92	252	388	437
95.0	2	89	248	383	431
95.5	3	87	244	378	425
96.0	3	85	240	373	420
96.5	3	84	236	368	415
97.0	4	82	232	363	410
97.5	4	80	228	357	404
98.0	5	79	224	353	399
98.5	5	77	220	348	394
99.0	6	76	217	343	388
99.5	6	75	213	338	384
100.0	7	74	209	333	378
100.5	7	73	206	329	373
101.0	8	73	202	324	368
101.5	8	72	199	319	363
102.0	9	72	196	314	358
102.5	10	72	193	310	353
103.0	10	72	189	305	348
103.5	11	72	186	301	343
104.0	12	73	183	296	338
104.5	12	73	180	292	333
105.0	13	73	178	287	329
105.5	14	73	175	283	323
106.0	14	73	172	279	319
106.5	15	73	170	274	314
107.0	16	74	167	270	309
107.5	16	74	165	266	305
108.0	17	74	163	262	300
108.5	18	74	161	258	296
109.0	19	75	159	254	291
109.5	19	75	157	250	287
110.0	20	75	156	246	282
110.5	21	75	155	243	278

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CANDELA TABULATION - (Cont.)

111.0	22	75	153	239	274
111.5	22	75	152	235	270
112.0	23	76	152	232	265
112.5	24	76	151	229	262
113.0	25	76	151	225	258
113.5	25	76	150	222	254
114.0	26	76	150	219	250
114.5	27	76	149	217	247
115.0	28	76	149	214	243
115.5	28	77	149	212	240
116.0	29	77	148	210	237
116.5	30	77	148	208	234
117.0	31	77	148	206	232
117.5	31	77	147	205	229
118.0	32	77	147	203	227
118.5	33	77	147	202	224
119.0	34	77	147	201	222
119.5	34	77	146	200	221
120.0	35	77	146	199	219
120.5	36	78	145	198	218
121.0	37	78	145	197	216
121.5	37	78	145	196	215
122.0	38	78	144	195	214
122.5	39	78	144	194	213
123.0	40	78	143	193	212
123.5	40	78	143	193	211
124.0	41	78	142	192	210
124.5	42	78	142	191	209
125.0	43	78	141	190	208
125.5	43	78	141	189	207
126.0	44	78	140	188	206
126.5	44	78	140	188	205
127.0	45	78	139	187	204
127.5	45	78	138	186	203
128.0	46	78	138	185	201
128.5	46	78	137	184	200
129.0	47	78	137	183	199
129.5	47	78	136	182	198
130.0	48	78	135	181	197
130.5	48	78	135	179	196
131.0	49	78	134	178	195
131.5	49	78	133	177	193
132.0	49	78	133	176	192
132.5	50	78	132	175	191
133.0	50	77	131	174	189
133.5	50	77	130	172	188
134.0	51	77	130	171	187
134.5	51	77	129	170	185
135.0	51	77	128	169	184
135.5	51	76	128	167	182
136.0	52	76	127	166	181
136.5	52	76	126	165	179
137.0	52	76	125	163	178
137.5	52	75	124	162	176
138.0	52	75	123	161	175
138.5	52	75	123	160	173

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CANDELA TABULATION - (Cont.)

139.0	52	74	122	158	172
139.5	52	74	121	157	170
140.0	52	74	120	155	169
140.5	52	73	119	154	167
141.0	52	73	118	153	166
141.5	52	73	117	151	164
142.0	52	72	117	150	162
142.5	53	72	116	148	161
143.0	53	71	115	147	159
143.5	52	71	114	146	158
144.0	53	71	113	144	156
144.5	53	70	112	143	155
145.0	53	70	111	141	153
145.5	53	70	110	140	151
146.0	53	70	110	138	150
146.5	53	69	109	137	148
147.0	53	69	108	136	146
147.5	52	69	107	134	145
148.0	52	69	106	133	143
148.5	53	69	105	131	141
149.0	53	68	104	130	140
149.5	53	68	103	128	138
150.0	53	68	102	127	137
150.5	53	68	101	125	135
151.0	53	67	100	124	133
151.5	53	67	99	122	131
152.0	53	67	98	121	130
152.5	54	67	97	120	128
153.0	54	66	96	118	127
153.5	54	66	95	117	125
154.0	54	66	93	115	123
154.5	54	65	92	114	122
155.0	54	65	91	112	120
155.5	54	65	90	111	118
156.0	54	65	89	109	117
156.5	54	64	88	108	115
157.0	54	64	87	106	114
157.5	53	64	85	105	112
158.0	53	63	84	103	111
158.5	53	63	83	101	109
159.0	52	63	82	100	107
159.5	52	62	81	98	105
160.0	52	62	80	96	103
160.5	51	61	79	94	101
161.0	51	61	78	92	99
161.5	51	61	77	91	97
162.0	50	61	76	89	95
162.5	50	62	75	87	93
163.0	50	63	75	86	91
163.5	49	65	74	84	89
164.0	49	66	73	83	87
164.5	49	67	72	81	85
165.0	48	68	71	80	84
165.5	48	68	70	79	82
166.0	47	67	69	78	81
166.5	47	66	69	77	79

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CANDELA TABULATION - (Cont.)

167.0	47	65	68	75	78
167.5	47	64	67	74	77
168.0	46	64	66	73	76
168.5	46	63	65	72	74
169.0	46	62	64	71	73
169.5	45	61	63	70	72
170.0	45	61	62	68	71
170.5	45	59	62	67	69
171.0	45	57	64	66	68
171.5	44	55	66	65	67
172.0	44	53	66	63	65
172.5	44	51	64	64	64
173.0	44	49	62	67	65
173.5	44	48	60	72	68
174.0	44	47	58	73	75
174.5	44	46	57	72	76
175.0	44	45	55	70	74
175.5	46	46	52	65	68
176.0	46	45	49	55	62
176.5	46	45	46	48	56
177.0	45	44	43	45	52
177.5	44	43	42	43	47
178.0	43	42	41	42	43
178.5	42	41	40	40	41
179.0	41	40	39	39	39
179.5	39	39	39	39	38
180.0	38	38	38	38	38

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	854.11	N.A.	10.60
0-30	1802.34	N.A.	22.40
0-40	2933.05	N.A.	36.50
0-60	5176.09	N.A.	64.50
0-80	6698.94	N.A.	83.40
0-90	7091.42	N.A.	88.30
10-90	6869.4	N.A.	85.50
20-40	2078.93	N.A.	25.90
20-50	3246.82	N.A.	40.40
40-70	3128.31	N.A.	39.00
60-80	1522.85	N.A.	19.00
70-80	637.58	N.A.	7.90
80-90	392.48	N.A.	4.90
90-110	445.34	N.A.	5.50
90-120	589.35	N.A.	7.30
90-130	709.20	N.A.	8.80
90-150	871.28	N.A.	10.90
90-180	938.31	N.A.	11.70
110-180	492.96	N.A.	6.10
0-180	8029.73	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	222.02
10-20	632.09
20-30	948.23
30-40	1130.71
40-50	1167.89
50-60	1075.15
60-70	885.27
70-80	637.58
80-90	392.48
90-100	256.97
100-110	188.38
110-120	144.00
120-130	119.85
130-140	95.03
140-150	67.06
150-160	41.35
160-170	20.25
170-180	5.42

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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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	94	90	101	96	91	87	89	86	83	83	81	78	78	76	74	71
2	95	86	78	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	73	65	58	68	61	56	63	58	53	59	55	51	48
4	79	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	38	64	52	43	37	49	41	36	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	43	35	29	40	33	28	38	32	27	36	31	26	24
9	54	40	32	26	52	39	31	26	37	30	25	35	29	25	33	28	24	22
10	50	37	29	24	48	36	29	24	34	28	23	33	27	22	31	26	22	20

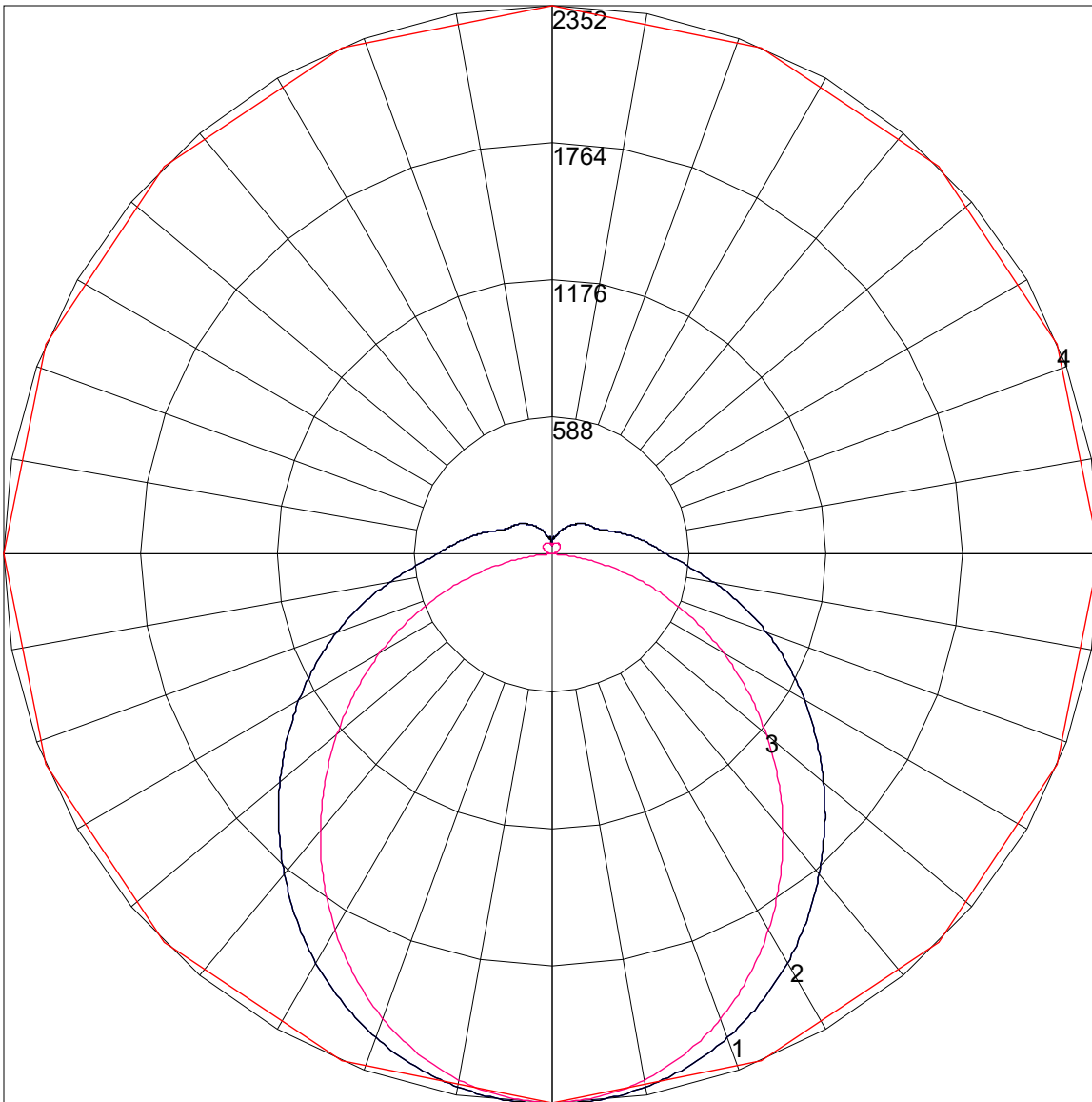
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BRITE-2-835-U10-XX-WA.IES

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	22.8	24.3	23.4	24.8	25.4	25.4	26.8	25.9	27.3	27.9
	3H	24.3	25.6	24.8	26.1	26.8	27.9	29.2	28.4	29.7	30.4
	4H	24.7	26.0	25.3	26.5	27.2	29.1	30.3	29.6	30.9	31.5
	6H	25.0	26.1	25.6	26.7	27.4	30.3	31.4	30.9	32.0	32.7
	8H	25.1	26.1	25.7	26.7	27.4	30.9	32.0	31.5	32.6	33.3
	12H	25.1	26.1	25.7	26.7	27.4	31.6	32.6	32.2	33.2	33.9
4H	2H	23.7	25.0	24.3	25.5	26.2	25.7	27.0	26.3	27.5	28.2
	3H	25.4	26.5	26.0	27.1	27.7	28.5	29.5	29.1	30.1	30.8
	4H	26.0	26.9	26.6	27.6	28.3	29.9	30.8	30.5	31.4	32.1
	6H	26.4	27.2	27.0	27.8	28.6	31.3	32.1	31.9	32.8	33.5
	8H	26.5	27.2	27.1	27.9	28.6	32.0	32.8	32.6	33.4	34.2
	12H	26.5	27.2	27.1	27.9	28.6	32.8	33.5	33.4	34.2	34.9
8H	4H	26.7	27.5	27.4	28.2	28.9	30.0	30.8	30.7	31.5	32.2
	6H	27.3	27.9	27.9	28.6	29.4	31.6	32.3	32.3	33.0	33.7
	8H	27.5	28.0	28.1	28.7	29.5	32.5	33.1	33.2	33.8	34.5
	12H	27.5	28.1	28.2	28.8	29.6	33.5	34.0	34.1	34.7	35.5
12H	4H	26.9	27.7	27.6	28.3	29.1	30.0	30.8	30.7	31.4	32.2
	6H	27.6	28.2	28.3	28.9	29.6	31.7	32.3	32.3	32.9	33.7
	8H	27.9	28.4	28.5	29.1	29.9	32.6	33.1	33.3	33.8	34.6

Maximum UGR = 35.5

POLAR GRAPH



Maximum Candela = 2352 Located At Horizontal Angle = 90, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)