



IES INDOOR REPORT
PHOTOMETRIC FILENAME : BRITE-8-835-U10-XX-WA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA001669-014_modified to 8ft Length
 [TESTLAB] LightLab International Allentown, LLC
 [ISSUEDATE] 4/7/2022
 [MANUFAC] Lux Dynamics
 [LUMCAT] BRITE-8-835-U10-SM-WA
 [LUMINAIRE] BRITE Line LED Fixture, 8' Length, 3500K, White Acrylic Lens
 [LAMP] 360 LEDs on four white Osram PrevaLED LED boards
 [BALLAST] Four Osram OTi85/120-277/2A3 DIM L HB LED drivers labeled as 1100mA
 [OTHER] -
 [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	31256
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	236.72
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.58 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	51766	46306	47195
55	48182	41997	44287
65	43456	37897	41991
75	35511	34536	39984
85	19859	32488	39512

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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	9022	9022	9022	9022	9022
0.5	9018	9018	9020	9024	9028
1.0	9014	9012	9018	9026	9032
1.5	9008	9008	9014	9026	9036
2.0	9000	9000	9010	9026	9038
2.5	8992	8992	9004	9024	9040
3.0	8982	8984	8998	9024	9044
3.5	8972	8972	8992	9022	9044
4.0	8960	8960	8982	9016	9046
4.5	8948	8948	8974	9016	9044
5.0	8934	8936	8966	9012	9044
5.5	8924	8924	8958	9002	9036
6.0	8910	8912	8946	8994	9028
6.5	8898	8900	8932	8982	9020
7.0	8882	8886	8922	8972	9008
7.5	8868	8870	8908	8960	8998
8.0	8848	8854	8896	8948	8988
8.5	8830	8838	8878	8936	8976
9.0	8814	8820	8864	8920	8962
9.5	8792	8800	8846	8906	8950
10.0	8774	8780	8828	8892	8934
10.5	8752	8760	8810	8876	8918
11.0	8726	8738	8790	8858	8902
11.5	8702	8716	8768	8842	8886
12.0	8678	8692	8748	8824	8868
12.5	8650	8668	8728	8806	8852
13.0	8626	8640	8702	8786	8832
13.5	8598	8614	8680	8764	8814
14.0	8570	8588	8656	8744	8794
14.5	8540	8558	8630	8720	8774
15.0	8508	8528	8606	8698	8752
15.5	8478	8498	8580	8676	8728
16.0	8444	8468	8552	8652	8706
16.5	8410	8436	8524	8626	8684
17.0	8376	8404	8494	8602	8660
17.5	8340	8370	8464	8576	8632
18.0	8304	8334	8434	8548	8606
18.5	8268	8300	8402	8522	8582
19.0	8230	8264	8370	8492	8554
19.5	8192	8226	8336	8462	8528
20.0	8152	8188	8304	8432	8498
20.5	8112	8150	8270	8402	8470
21.0	8070	8110	8234	8370	8440
21.5	8030	8070	8198	8340	8412
22.0	7984	8028	8162	8308	8380
22.5	7942	7988	8124	8274	8348
23.0	7898	7944	8086	8240	8316
23.5	7854	7902	8046	8206	8282
24.0	7810	7856	8006	8172	8252
24.5	7760	7812	7966	8134	8216
25.0	7714	7766	7926	8098	8180
25.5	7666	7722	7884	8062	8146
26.0	7618	7676	7842	8024	8110
26.5	7568	7628	7798	7984	8072

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27.0	7522	7580	7756	7946	8038
27.5	7472	7530	7712	7906	7998
28.0	7418	7484	7668	7870	7960
28.5	7370	7434	7622	7828	7920
29.0	7316	7384	7576	7786	7882
29.5	7264	7332	7530	7744	7842
30.0	7210	7280	7484	7702	7800
30.5	7156	7228	7436	7660	7760
31.0	7102	7174	7388	7616	7718
31.5	7046	7124	7338	7572	7676
32.0	6992	7070	7290	7528	7634
32.5	6936	7016	7240	7482	7590
33.0	6880	6960	7190	7438	7548
33.5	6822	6906	7140	7390	7504
34.0	6764	6852	7088	7346	7456
34.5	6708	6794	7036	7298	7410
35.0	6648	6738	6984	7252	7366
35.5	6590	6682	6932	7202	7320
36.0	6530	6626	6878	7154	7274
36.5	6472	6566	6826	7108	7228
37.0	6412	6510	6772	7056	7178
37.5	6354	6452	6716	7008	7132
38.0	6292	6392	6662	6958	7082
38.5	6232	6334	6606	6908	7034
39.0	6170	6274	6550	6856	6986
39.5	6108	6216	6494	6808	6936
40.0	6048	6154	6438	6756	6884
40.5	5984	6096	6382	6704	6834
41.0	5922	6036	6326	6652	6784
41.5	5860	5974	6270	6598	6732
42.0	5798	5914	6212	6544	6682
42.5	5734	5852	6154	6490	6630
43.0	5670	5792	6096	6438	6580
43.5	5606	5728	6038	6382	6528
44.0	5544	5668	5980	6330	6478
44.5	5480	5604	5920	6272	6428
45.0	5414	5542	5860	6220	6378
45.5	5350	5480	5802	6166	6326
46.0	5286	5414	5742	6112	6276
46.5	5222	5352	5682	6058	6226
47.0	5156	5288	5622	6004	6174
47.5	5092	5224	5562	5950	6122
48.0	5026	5160	5502	5896	6068
48.5	4962	5096	5442	5842	6020
49.0	4896	5032	5380	5788	5968
49.5	4830	4968	5318	5734	5914
50.0	4766	4904	5258	5682	5864
50.5	4700	4838	5196	5626	5812
51.0	4634	4774	5134	5574	5758
51.5	4568	4708	5072	5518	5706
52.0	4502	4642	5012	5464	5654
52.5	4434	4576	4948	5408	5602
53.0	4368	4512	4888	5354	5548
53.5	4300	4446	4826	5298	5496
54.0	4236	4380	4766	5242	5444
54.5	4170	4316	4706	5190	5392

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55.0	4102	4250	4644	5134	5338
55.5	4036	4184	4586	5080	5288
56.0	3968	4116	4524	5024	5232
56.5	3900	4052	4464	4970	5180
57.0	3834	3984	4404	4914	5128
57.5	3766	3920	4344	4858	5074
58.0	3698	3852	4282	4804	5020
58.5	3630	3786	4224	4750	4968
59.0	3562	3722	4164	4696	4914
59.5	3494	3654	4104	4640	4864
60.0	3426	3588	4046	4586	4810
60.5	3358	3522	3984	4530	4758
61.0	3290	3456	3926	4478	4706
61.5	3222	3388	3866	4422	4652
62.0	3154	3322	3806	4370	4602
62.5	3084	3254	3748	4316	4550
63.0	3016	3188	3690	4264	4500
63.5	2948	3124	3632	4212	4450
64.0	2880	3056	3574	4158	4398
64.5	2812	2990	3514	4108	4346
65.0	2742	2922	3458	4056	4294
65.5	2674	2858	3400	4004	4242
66.0	2604	2792	3342	3952	4190
66.5	2538	2726	3286	3900	4136
67.0	2468	2660	3230	3846	4084
67.5	2400	2596	3174	3794	4030
68.0	2332	2532	3120	3742	3978
68.5	2264	2468	3064	3688	3926
69.0	2196	2404	3010	3636	3872
69.5	2126	2342	2956	3582	3820
70.0	2058	2280	2904	3530	3766
70.5	1990	2216	2852	3476	3712
71.0	1924	2156	2800	3422	3658
71.5	1854	2094	2748	3370	3606
72.0	1788	2034	2696	3318	3552
72.5	1722	1974	2644	3264	3500
73.0	1654	1914	2592	3212	3444
73.5	1588	1856	2542	3160	3394
74.0	1522	1798	2490	3106	3340
74.5	1456	1740	2440	3056	3288
75.0	1390	1684	2388	3004	3234
75.5	1326	1628	2338	2952	3182
76.0	1262	1572	2288	2900	3130
76.5	1198	1518	2238	2848	3080
77.0	1136	1466	2190	2800	3028
77.5	1072	1414	2140	2748	2976
78.0	1012	1364	2092	2698	2926
78.5	950	1314	2042	2650	2874
79.0	892	1268	1996	2600	2826
79.5	832	1220	1948	2550	2774
80.0	776	1174	1902	2502	2726
80.5	718	1126	1854	2454	2676
81.0	664	1082	1808	2406	2628
81.5	610	1038	1764	2360	2580
82.0	558	996	1718	2312	2532
82.5	508	952	1674	2266	2486

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83.0	458	910	1630	2220	2438
83.5	410	870	1588	2174	2392
84.0	364	828	1544	2128	2346
84.5	320	790	1502	2084	2300
85.0	278	750	1460	2038	2254
85.5	236	714	1420	1996	2210
86.0	198	678	1382	1954	2168
86.5	160	642	1342	1912	2124
87.0	126	610	1306	1872	2084
87.5	94	578	1268	1832	2044
88.0	64	548	1234	1796	2004
88.5	40	522	1202	1760	1970
89.0	22	498	1174	1730	1936
89.5	10	478	1148	1700	1906
90.0	0	462	1126	1674	1876
90.5	0	448	1106	1648	1850
91.0	2	436	1088	1626	1826
91.5	2	424	1072	1606	1804
92.0	4	412	1056	1588	1782
92.5	4	402	1040	1570	1762
93.0	6	392	1024	1550	1742
93.5	6	382	1010	1532	1722
94.0	8	372	994	1514	1704
94.5	10	362	980	1494	1684
95.0	12	354	964	1478	1664
95.5	14	346	950	1460	1644
96.0	16	338	936	1442	1626
96.5	18	330	920	1424	1606
97.0	20	324	906	1406	1588
97.5	22	318	892	1388	1568
98.0	24	310	878	1370	1548
98.5	28	304	862	1352	1530
99.0	30	300	850	1334	1512
99.5	32	294	836	1318	1494
100.0	36	290	822	1300	1474
100.5	38	286	810	1282	1456
101.0	40	284	796	1266	1436
101.5	44	282	784	1248	1418
102.0	46	282	770	1230	1400
102.5	50	282	758	1214	1382
103.0	52	282	746	1196	1362
103.5	56	284	734	1180	1344
104.0	58	284	722	1162	1326
104.5	62	286	712	1146	1308
105.0	66	288	700	1130	1290
105.5	68	288	690	1114	1272
106.0	72	290	678	1098	1256
106.5	74	290	668	1082	1238
107.0	78	292	658	1066	1220
107.5	80	294	648	1050	1204
108.0	82	294	640	1036	1186
108.5	86	294	632	1020	1170
109.0	90	296	624	1004	1152
109.5	92	296	616	990	1136
110.0	96	298	610	974	1120
110.5	98	298	604	960	1104

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111.0	102	300	598	946	1088
111.5	104	300	596	932	1072
112.0	106	300	594	918	1056
112.5	110	302	592	904	1040
113.0	112	302	590	890	1024
113.5	114	304	588	878	1010
114.0	116	304	586	866	996
114.5	118	304	586	854	980
115.0	120	306	584	844	966
115.5	122	306	584	834	952
116.0	124	306	582	824	940
116.5	126	308	582	816	928
117.0	128	308	580	810	916
117.5	132	308	580	806	904
118.0	134	308	580	800	894
118.5	136	310	578	796	886
119.0	140	310	578	792	880
119.5	142	310	576	788	874
120.0	146	310	576	784	870
120.5	148	312	574	780	864
121.0	152	312	574	776	862
121.5	154	312	572	774	858
122.0	158	312	570	770	856
122.5	162	312	570	766	852
123.0	164	314	568	764	848
123.5	168	314	566	762	844
124.0	172	314	564	760	838
124.5	174	314	562	758	834
125.0	178	314	562	756	830
125.5	180	314	560	754	826
126.0	184	314	558	752	822
126.5	186	316	556	748	816
127.0	188	316	554	746	812
127.5	192	316	552	742	806
128.0	194	316	550	738	802
128.5	196	316	550	734	798
129.0	196	316	550	730	794
129.5	198	316	548	726	790
130.0	200	316	546	722	786
130.5	202	316	544	716	782
131.0	204	316	540	712	778
131.5	206	316	538	706	772
132.0	208	318	536	702	768
132.5	210	318	532	698	764
133.0	212	318	530	692	758
133.5	214	318	526	688	754
134.0	216	318	524	684	748
134.5	218	318	520	678	742
135.0	220	318	518	674	738
135.5	222	318	514	670	732
136.0	224	316	510	664	726
136.5	226	316	508	660	722
137.0	228	316	504	654	716
137.5	230	314	502	650	710
138.0	232	314	498	646	704
138.5	234	312	496	640	698

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139.0	236	312	492	636	692
139.5	238	312	490	630	688
140.0	238	310	486	626	682
140.5	240	310	484	620	676
141.0	240	310	480	616	670
141.5	242	308	478	610	664
142.0	242	308	474	604	658
142.5	244	308	472	600	652
143.0	244	306	468	594	646
143.5	244	306	464	588	640
144.0	244	306	462	584	634
144.5	246	304	458	578	628
145.0	246	304	456	574	622
145.5	246	302	452	568	616
146.0	246	302	450	562	610
146.5	246	302	446	558	604
147.0	246	300	442	552	598
147.5	246	300	440	546	592
148.0	246	300	436	542	584
148.5	246	298	432	536	578
149.0	246	298	430	530	572
149.5	246	296	426	526	566
150.0	246	296	424	520	560
150.5	244	294	420	514	554
151.0	244	294	416	510	548
151.5	244	292	412	504	542
152.0	242	292	408	498	536
152.5	242	290	406	492	530
153.0	242	288	402	488	522
153.5	240	286	398	482	516
154.0	240	282	394	476	510
154.5	240	280	390	472	504
155.0	238	278	386	466	498
155.5	238	274	384	460	492
156.0	238	272	380	456	486
156.5	236	270	376	450	480
157.0	236	268	372	444	474
157.5	236	264	370	440	468
158.0	234	262	366	434	462
158.5	234	260	362	428	456
159.0	232	256	358	422	450
159.5	232	254	354	416	442
160.0	232	250	352	410	436
160.5	232	248	348	406	430
161.0	232	246	344	400	422
161.5	232	244	340	396	416
162.0	234	248	338	390	410
162.5	236	256	334	384	404
163.0	238	268	330	380	398
163.5	240	280	324	374	392
164.0	244	290	318	370	386
164.5	246	296	312	364	380
165.0	250	296	304	360	374
165.5	252	294	298	354	368
166.0	254	292	292	350	362
166.5	258	290	286	344	356

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167.0	260	290	280	340	352
167.5	262	290	274	334	346
168.0	266	290	266	330	340
168.5	268	290	260	324	334
169.0	272	290	254	320	330
169.5	276	290	248	314	324
170.0	278	288	250	310	318
170.5	280	288	268	304	314
171.0	282	284	286	298	308
171.5	284	282	302	290	304
172.0	286	282	304	282	298
172.5	290	280	298	294	294
173.0	292	280	294	320	308
173.5	294	278	290	342	350
174.0	298	280	286	344	384
174.5	300	282	282	338	384
175.0	300	284	278	332	380
175.5	302	288	276	324	364
176.0	302	290	272	306	348
176.5	298	288	268	280	330
177.0	294	286	264	268	310
177.5	290	284	262	264	294
178.0	286	280	262	262	284
178.5	278	276	260	260	270
179.0	272	272	262	260	264
179.5	268	266	262	260	262
180.0	262	262	262	262	262

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3282.76	N.A.	10.50
0-30	6938.75	N.A.	22.20
0-40	11315.02	N.A.	36.20
0-60	20047.3	N.A.	64.10
0-80	25990.42	N.A.	83.20
0-90	27514.66	N.A.	88.00
10-90	26662.28	N.A.	85.30
20-40	8032.26	N.A.	25.70
20-50	12570.62	N.A.	40.20
40-70	12189.1	N.A.	39.00
60-80	5943.12	N.A.	19.00
70-80	2486.3	N.A.	8.00
80-90	1524.23	N.A.	4.90
90-110	1737.81	N.A.	5.60
90-120	2308.11	N.A.	7.40
90-130	2786.54	N.A.	8.90
90-150	3449.27	N.A.	11.00
90-180	3741.3	N.A.	12.00
110-180	2003.49	N.A.	6.40
0-180	31255.96	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	852.38
10-20	2430.38
20-30	3655.99
30-40	4376.27
40-50	4538.37
50-60	4193.92
60-70	3456.82
70-80	2486.3
80-90	1524.24
90-100	995.30
100-110	742.52
110-120	570.30
120-130	478.42
130-140	384.78
140-150	277.95
150-160	174.40
160-170	89.53
170-180	28.11

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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	104	104	104	97	97	97	91	91	91	88
1	104	99	94	90	100	96	91	87	89	86	82	83	80	78	78	75	73	70
2	94	86	78	72	91	83	76	70	77	72	67	72	68	64	67	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	49	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	46	39	34	43	37	33	31
7	62	48	39	33	59	47	38	32	44	37	31	41	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

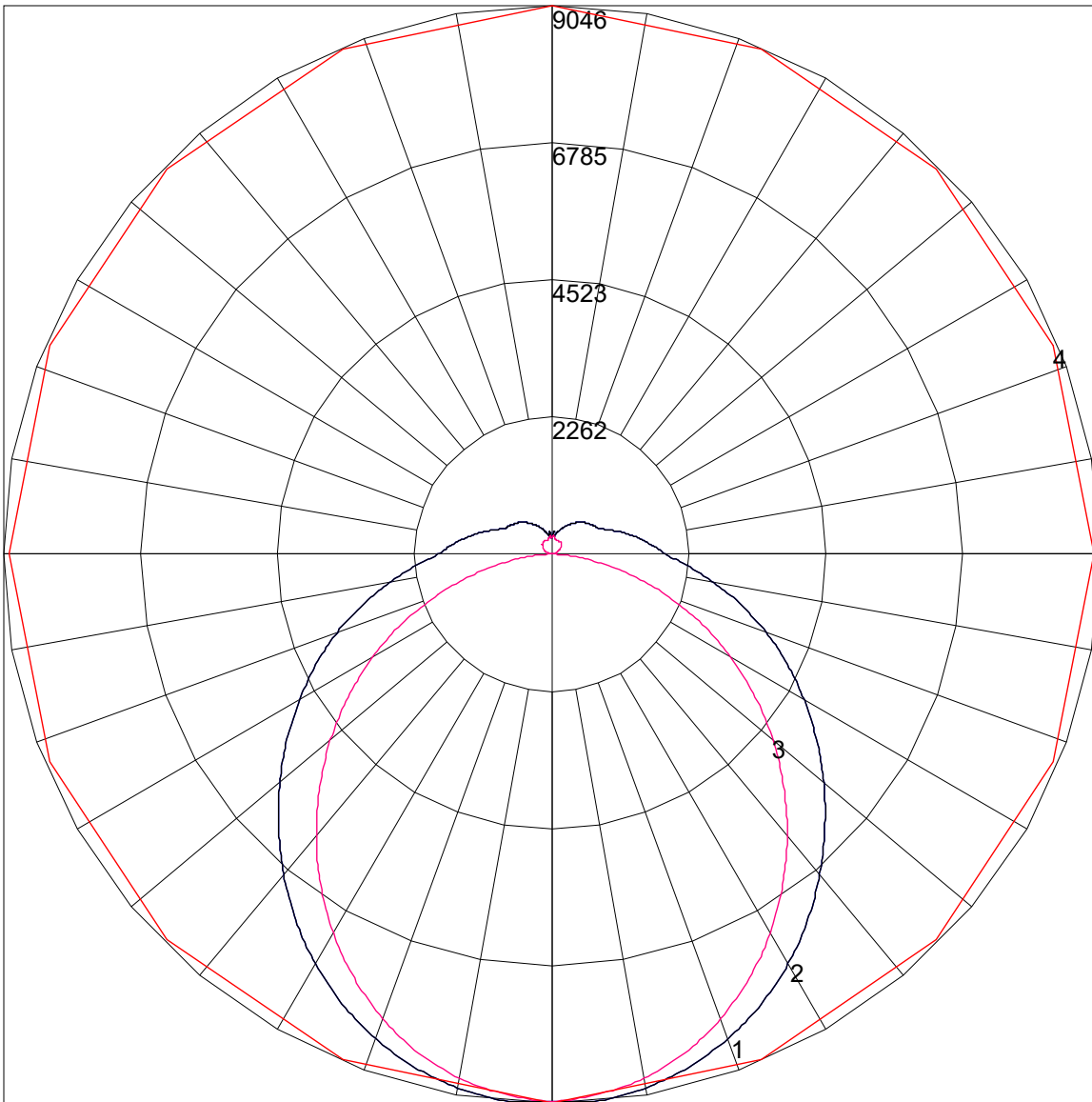
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BRITE-8-835-U10-XX-WA.IES

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	23.0	24.4	23.6	25.0	25.6	25.4	26.8	26.0	27.4	28.0
	3H	24.5	25.8	25.0	26.3	27.0	27.9	29.2	28.5	29.8	30.4
	4H	24.9	26.2	25.5	26.7	27.4	29.1	30.4	29.7	30.9	31.6
	6H	25.2	26.4	25.8	26.9	27.6	30.4	31.6	31.0	32.1	32.8
	8H	25.3	26.4	25.9	27.0	27.6	31.1	32.2	31.7	32.8	33.4
	12H	25.3	26.3	25.9	26.9	27.6	31.8	32.9	32.4	33.5	34.2
4H	2H	23.9	25.1	24.5	25.7	26.3	25.8	27.0	26.4	27.6	28.2
	3H	25.6	26.6	26.2	27.3	27.9	28.5	29.6	29.1	30.2	30.9
	4H	26.2	27.1	26.8	27.8	28.5	30.0	30.9	30.6	31.5	32.2
	6H	26.6	27.4	27.2	28.1	28.8	31.4	32.3	32.0	32.9	33.6
	8H	26.7	27.5	27.3	28.1	28.8	32.2	33.0	32.8	33.6	34.3
	12H	26.7	27.4	27.3	28.1	28.8	33.0	33.7	33.7	34.4	35.1
8H	4H	26.9	27.7	27.5	28.3	29.1	30.1	30.9	30.8	31.6	32.3
	6H	27.5	28.1	28.1	28.8	29.6	31.8	32.4	32.4	33.1	33.9
	8H	27.6	28.3	28.3	28.9	29.7	32.7	33.3	33.3	34.0	34.7
	12H	27.8	28.3	28.4	29.0	29.8	33.7	34.3	34.4	34.9	35.7
12H	4H	27.1	27.8	27.8	28.5	29.2	30.1	30.8	30.8	31.5	32.2
	6H	27.8	28.4	28.5	29.1	29.8	31.8	32.4	32.5	33.1	33.9
	8H	28.1	28.6	28.7	29.3	30.1	32.8	33.3	33.4	34.0	34.8

Maximum UGR = 35.7

POLAR GRAPH



Maximum Candela = 9046 Located At Horizontal Angle = 90, Vertical Angle = 4
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 (4) (Through Max. Cd.)