



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA001669-005
 [TESTLAB] LightLab International Allentown, LLC
 [ISSUEDATE] 4/4/2022
 [MANUFAC] Lux Dynamics
 [LUMCAT] BASE-2-835-U10-SM-WA
 [LUMINAIRE] BASE 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 735mA
 [OTHER] 277.0Vac, 60.00Hz, 0.1603A, 39.91W, 0.899PF, 14.1%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	5556
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	39.905
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	35314	32362	33771
55	32109	29097	31725
65	28230	26066	30156
75	22018	23611	28779
85	9939	21697	28389

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

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1626	1626	1626	1626	1626
0.5	1626	1626	1626	1627	1627
1.0	1625	1625	1626	1627	1627
1.5	1625	1624	1625	1626	1627
2.0	1624	1623	1624	1626	1627
2.5	1623	1622	1624	1626	1627
3.0	1622	1621	1623	1625	1627
3.5	1620	1619	1622	1625	1627
4.0	1619	1617	1621	1624	1627
4.5	1617	1615	1619	1623	1626
5.0	1614	1613	1617	1622	1625
5.5	1612	1611	1614	1621	1624
6.0	1610	1609	1613	1618	1622
6.5	1606	1606	1611	1617	1620
7.0	1604	1603	1609	1615	1617
7.5	1601	1600	1607	1613	1616
8.0	1598	1597	1604	1610	1614
8.5	1594	1594	1601	1608	1612
9.0	1590	1591	1598	1605	1610
9.5	1587	1587	1594	1603	1607
10.0	1582	1583	1591	1600	1604
10.5	1579	1579	1588	1597	1602
11.0	1574	1575	1584	1594	1599
11.5	1570	1571	1581	1591	1596
12.0	1566	1567	1577	1587	1593
12.5	1560	1562	1572	1584	1590
13.0	1555	1557	1568	1580	1586
13.5	1550	1553	1564	1577	1583
14.0	1545	1547	1559	1573	1579
14.5	1539	1542	1555	1569	1575
15.0	1533	1536	1550	1565	1571
15.5	1527	1530	1545	1561	1567
16.0	1521	1524	1540	1556	1563
16.5	1515	1519	1534	1552	1559
17.0	1509	1512	1528	1547	1554
17.5	1502	1506	1523	1542	1550
18.0	1495	1499	1517	1537	1545
18.5	1488	1493	1512	1532	1541
19.0	1481	1485	1506	1527	1536
19.5	1473	1478	1500	1522	1532
20.0	1466	1471	1493	1516	1527
20.5	1458	1464	1487	1511	1521
21.0	1450	1457	1480	1505	1515
21.5	1442	1449	1474	1499	1510
22.0	1435	1441	1467	1493	1504
22.5	1426	1434	1460	1487	1498
23.0	1418	1425	1453	1481	1493
23.5	1409	1417	1446	1475	1486
24.0	1401	1409	1439	1468	1481
24.5	1391	1402	1430	1462	1474
25.0	1382	1393	1423	1455	1468
25.5	1373	1384	1416	1449	1462
26.0	1364	1376	1408	1442	1455
26.5	1354	1366	1399	1435	1449

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

CANDELA TABULATION - (Cont.)

27.0	1345	1358	1392	1428	1442
27.5	1336	1348	1384	1421	1435
28.0	1326	1340	1376	1414	1429
28.5	1316	1330	1367	1406	1421
29.0	1306	1321	1359	1398	1415
29.5	1297	1311	1350	1391	1407
30.0	1286	1301	1341	1383	1400
30.5	1276	1291	1333	1375	1393
31.0	1266	1281	1324	1367	1385
31.5	1256	1272	1315	1360	1378
32.0	1245	1262	1306	1352	1370
32.5	1234	1251	1297	1344	1362
33.0	1224	1242	1287	1336	1355
33.5	1212	1231	1278	1328	1346
34.0	1201	1221	1269	1319	1338
34.5	1191	1210	1259	1311	1330
35.0	1180	1200	1250	1302	1322
35.5	1169	1189	1241	1294	1314
36.0	1159	1179	1231	1285	1306
36.5	1148	1168	1220	1276	1297
37.0	1136	1157	1211	1267	1288
37.5	1125	1146	1201	1258	1280
38.0	1113	1135	1190	1249	1271
38.5	1102	1124	1180	1240	1263
39.0	1090	1113	1170	1231	1254
39.5	1079	1101	1160	1222	1245
40.0	1067	1090	1150	1213	1237
40.5	1056	1079	1139	1203	1227
41.0	1045	1068	1129	1194	1219
41.5	1033	1057	1119	1185	1210
42.0	1021	1046	1108	1175	1201
42.5	1009	1034	1097	1165	1192
43.0	998	1023	1087	1156	1183
43.5	986	1011	1076	1145	1174
44.0	974	1000	1065	1136	1164
44.5	962	988	1055	1126	1156
45.0	951	977	1044	1117	1147
45.5	939	966	1033	1107	1137
46.0	927	954	1022	1098	1128
46.5	916	942	1012	1088	1119
47.0	903	930	1000	1079	1110
47.5	892	919	990	1069	1101
48.0	879	907	978	1059	1092
48.5	867	895	967	1050	1083
49.0	855	883	956	1040	1073
49.5	843	872	945	1030	1064
50.0	831	860	935	1020	1055
50.5	819	848	924	1010	1045
51.0	808	836	912	1001	1036
51.5	795	824	901	991	1026
52.0	784	813	890	981	1017
52.5	771	801	879	971	1008
53.0	760	789	868	961	998
53.5	747	777	857	951	989
54.0	735	765	846	942	980
54.5	724	753	835	932	970

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

CANDELA TABULATION - (Cont.)

55.0	711	742	824	922	961
55.5	699	730	814	912	951
56.0	687	718	803	902	942
56.5	675	706	792	892	932
57.0	663	694	781	882	924
57.5	651	682	770	873	914
58.0	639	671	759	863	904
58.5	627	659	749	853	895
59.0	615	647	738	843	886
59.5	603	635	727	834	877
60.0	591	623	717	824	867
60.5	579	612	706	815	858
61.0	567	600	695	805	849
61.5	555	588	685	795	840
62.0	542	576	674	786	831
62.5	530	564	664	776	821
63.0	518	553	654	767	812
63.5	507	541	643	758	803
64.0	495	529	633	748	793
64.5	483	518	623	739	784
65.0	471	506	613	730	775
65.5	459	495	603	720	766
66.0	447	483	593	711	756
66.5	435	472	583	702	747
67.0	423	460	573	692	737
67.5	411	449	564	683	728
68.0	399	438	554	674	718
68.5	387	426	544	664	709
69.0	375	416	535	655	699
69.5	363	404	526	645	690
70.0	352	394	516	636	681
70.5	340	383	507	626	670
71.0	329	372	498	617	661
71.5	317	361	489	607	651
72.0	305	351	480	598	642
72.5	293	341	470	588	632
73.0	282	330	461	579	623
73.5	270	320	452	569	613
74.0	259	310	443	560	603
74.5	248	300	434	551	594
75.0	236	290	425	541	585
75.5	225	280	416	532	575
76.0	214	271	406	522	565
76.5	203	262	397	513	556
77.0	192	253	389	504	547
77.5	182	244	380	495	537
78.0	171	235	371	486	528
78.5	160	226	362	476	519
79.0	150	218	354	468	510
79.5	140	210	345	459	501
80.0	130	202	337	450	492
80.5	120	194	328	441	483
81.0	111	186	320	432	474
81.5	101	178	312	424	466
82.0	92	171	304	415	457
82.5	84	163	296	407	448

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

CANDELA TABULATION - (Cont.)

83.0	75	156	289	399	440
83.5	67	149	281	391	431
84.0	59	142	274	383	423
84.5	52	135	266	375	415
85.0	44	129	259	367	407
85.5	38	123	253	360	399
86.0	32	117	246	352	392
86.5	26	111	239	345	384
87.0	21	106	233	339	378
87.5	16	101	228	332	371
88.0	12	96	222	326	364
88.5	9	92	217	320	358
89.0	7	88	212	314	352
89.5	2	85	207	309	346
90.0	0	82	203	304	341
90.5	0	79	200	299	336
91.0	0	77	196	295	331
91.5	0	75	193	291	327
92.0	0	73	190	287	322
92.5	1	71	187	283	318
93.0	1	69	184	279	314
93.5	1	67	181	276	310
94.0	1	65	178	272	306
94.5	1	63	175	269	303
95.0	2	62	172	265	299
95.5	2	60	169	262	295
96.0	2	59	166	258	291
96.5	2	58	163	255	288
97.0	3	57	161	251	284
97.5	3	55	158	248	280
98.0	3	54	155	244	277
98.5	3	53	153	241	273
99.0	4	53	150	238	269
99.5	4	52	148	234	266
100.0	5	51	145	231	262
100.5	5	51	143	228	259
101.0	5	50	140	225	255
101.5	6	50	138	221	252
102.0	6	50	136	218	248
102.5	7	50	133	215	245
103.0	7	50	131	212	241
103.5	8	50	129	208	238
104.0	8	50	127	205	235
104.5	8	50	125	202	231
105.0	9	50	123	199	228
105.5	10	50	121	196	224
106.0	10	51	119	193	221
106.5	10	51	117	190	217
107.0	11	51	116	187	214
107.5	11	51	114	184	211
108.0	12	51	113	182	208
108.5	12	51	112	179	205
109.0	13	51	110	176	202
109.5	13	52	109	174	199
110.0	14	52	108	171	196
110.5	14	52	107	168	193

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

CANDELA TABULATION - (Cont.)

111.0	15	52	106	166	190
111.5	15	52	106	163	187
112.0	16	52	105	161	184
112.5	16	52	104	159	181
113.0	17	52	104	156	179
113.5	17	52	104	154	176
114.0	18	53	103	152	174
114.5	19	53	103	150	171
115.0	19	53	103	149	169
115.5	20	53	103	147	167
116.0	20	53	103	146	164
116.5	21	53	102	144	163
117.0	21	53	102	143	161
117.5	22	53	102	142	159
118.0	22	53	102	141	157
118.5	23	53	102	140	156
119.0	23	53	101	139	154
119.5	24	53	101	138	153
120.0	24	54	101	137	152
120.5	25	54	101	137	151
121.0	25	54	100	136	150
121.5	26	54	100	136	149
122.0	26	54	100	135	148
122.5	27	54	99	134	147
123.0	27	54	99	134	147
123.5	28	54	99	133	146
124.0	28	54	98	133	145
124.5	29	54	98	132	144
125.0	29	54	98	132	144
125.5	30	54	97	131	143
126.0	30	54	97	130	142
126.5	31	54	96	130	142
127.0	31	54	96	129	141
127.5	32	54	96	128	140
128.0	32	54	95	128	139
128.5	33	54	95	127	139
129.0	33	54	94	126	138
129.5	34	54	94	126	137
130.0	34	54	94	125	136
130.5	34	54	93	124	135
131.0	35	54	93	123	134
131.5	35	54	92	122	134
132.0	36	54	92	122	133
132.5	36	54	91	121	132
133.0	36	53	91	120	131
133.5	36	53	90	119	130
134.0	37	53	90	118	129
134.5	37	53	89	117	128
135.0	37	53	89	117	127
135.5	37	53	88	116	126
136.0	37	52	88	115	125
136.5	37	52	87	114	124
137.0	38	52	86	113	123
137.5	38	52	86	112	122
138.0	38	52	85	111	121
138.5	38	51	85	110	120

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

CANDELA TABULATION - (Cont.)

139.0	38	51	84	109	119
139.5	38	51	84	108	118
140.0	38	51	83	107	117
140.5	38	51	82	106	116
141.0	38	50	82	106	115
141.5	38	50	81	105	113
142.0	38	50	80	104	112
142.5	38	50	80	103	111
143.0	38	49	79	102	110
143.5	38	49	79	101	109
144.0	38	49	78	100	108
144.5	38	49	77	99	107
145.0	38	49	77	98	106
145.5	38	48	76	97	105
146.0	38	48	76	96	103
146.5	38	48	75	95	102
147.0	38	48	74	94	101
147.5	38	48	74	93	100
148.0	38	48	73	92	99
148.5	38	47	73	91	98
149.0	38	47	72	90	97
149.5	38	47	71	89	96
150.0	38	47	71	88	94
150.5	38	47	70	87	93
151.0	38	46	69	86	92
151.5	38	46	68	85	91
152.0	38	46	68	84	90
152.5	38	46	67	83	89
153.0	38	46	66	82	88
153.5	38	45	65	81	87
154.0	38	45	65	80	85
154.5	38	45	64	79	84
155.0	38	45	63	78	83
155.5	38	45	62	77	82
156.0	38	45	61	76	81
156.5	38	44	61	75	80
157.0	38	44	60	74	79
157.5	38	44	59	72	78
158.0	38	44	58	71	76
158.5	38	43	58	70	75
159.0	38	43	57	69	74
159.5	37	43	56	68	72
160.0	37	43	55	66	71
160.5	37	43	55	65	70
161.0	37	43	54	64	68
161.5	37	43	53	63	67
162.0	37	44	53	62	66
162.5	36	45	52	60	64
163.0	36	45	52	59	63
163.5	36	45	51	58	62
164.0	36	45	50	57	60
164.5	35	45	50	56	59
165.0	35	45	49	55	58
165.5	35	45	49	55	57
166.0	35	45	48	54	56
166.5	34	45	47	53	55

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

CANDELA TABULATION - (Cont.)

167.0	34	45	47	52	54
167.5	34	44	46	51	53
168.0	34	44	45	50	52
168.5	33	43	45	50	52
169.0	33	43	44	49	51
169.5	33	42	44	48	50
170.0	33	41	45	47	49
170.5	32	40	45	46	48
171.0	32	38	44	45	47
171.5	31	37	44	45	46
172.0	31	36	44	45	45
172.5	31	35	44	47	45
173.0	30	34	43	47	47
173.5	30	33	42	48	49
174.0	30	32	40	50	50
174.5	30	32	39	50	52
175.0	30	31	38	48	51
175.5	31	32	36	44	47
176.0	31	31	34	38	42
176.5	31	31	32	33	39
177.0	30	30	30	31	36
177.5	30	29	29	30	32
178.0	29	29	28	29	30
178.5	28	28	28	28	28
179.0	27	27	27	27	27
179.5	27	27	26	26	26
180.0	26	26	26	26	26

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	590.96	N.A.	10.60
0-30	1247.04	N.A.	22.40
0-40	2029.4	N.A.	36.50
0-60	3580.85	N.A.	64.40
0-80	4634.43	N.A.	83.40
0-90	4906.27	N.A.	88.30
10-90	4752.67	N.A.	85.50
20-40	1438.44	N.A.	25.90
20-50	2246.27	N.A.	40.40
40-70	2163.84	N.A.	38.90
60-80	1053.58	N.A.	19.00
70-80	441.18	N.A.	7.90
80-90	271.85	N.A.	4.90
90-110	308.55	N.A.	5.60
90-120	408.27	N.A.	7.30
90-130	491.17	N.A.	8.80
90-150	603.51	N.A.	10.90
90-180	649.98	N.A.	11.70
110-180	341.43	N.A.	6.10
0-180	5556.26	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	153.61
10-20	437.35
20-30	656.09
30-40	782.36
40-50	807.83
50-60	743.62
60-70	612.40
70-80	441.18
80-90	271.85
90-100	178.03
100-110	130.52
110-120	99.71
120-130	82.90
130-140	65.82
140-150	46.52
150-160	28.66
160-170	14.07
170-180	3.74

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BASE-2-835-U10-XX-WA.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	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	33	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

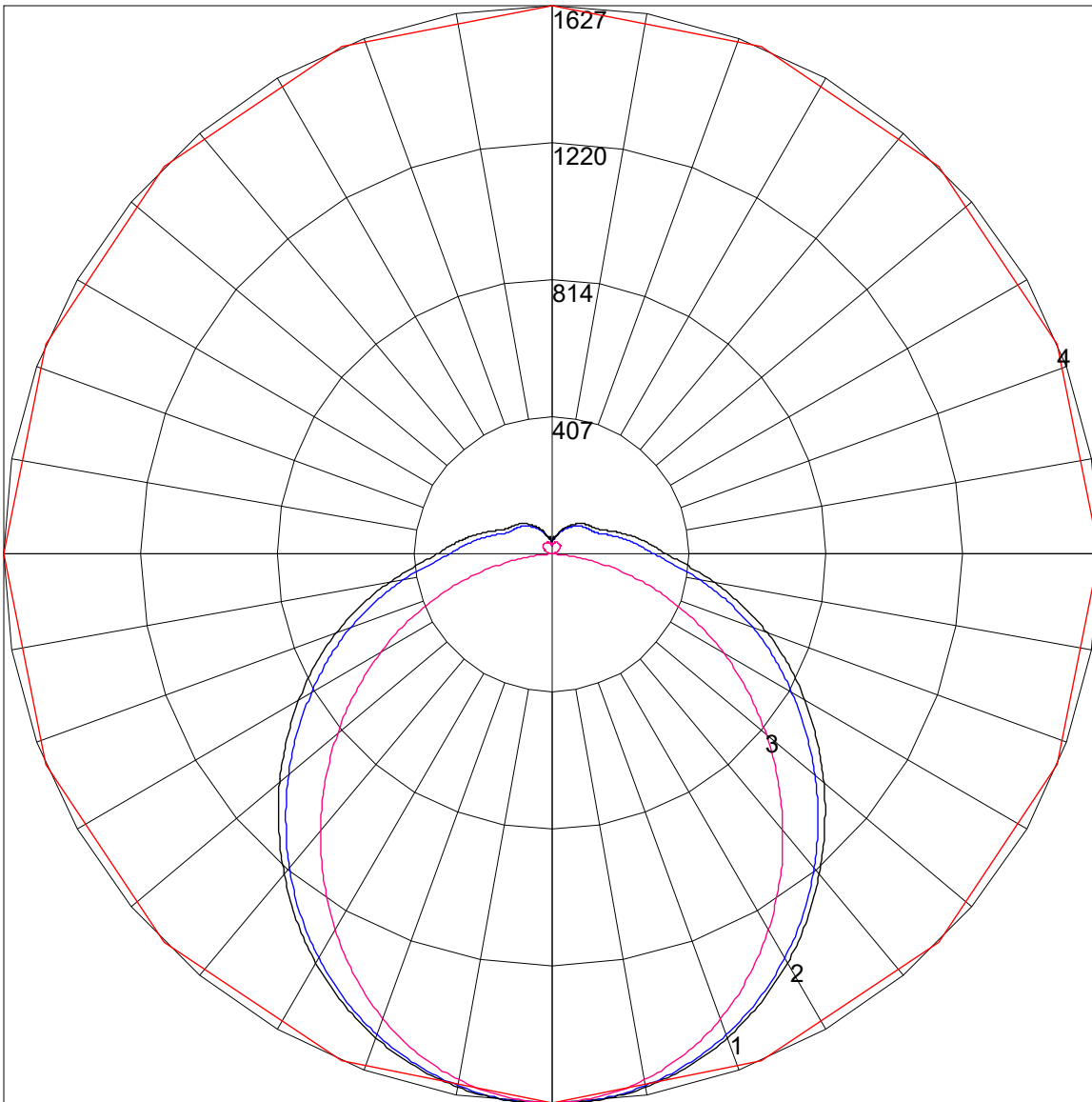
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BASE-2-835-U10-XX-WA.IES

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	21.6	23.0	22.2	23.6	24.2	24.2	25.6	24.7	26.1	26.7
	3H	23.1	24.4	23.6	24.9	25.6	26.7	28.0	27.2	28.5	29.2
	4H	23.5	24.8	24.1	25.3	26.0	27.9	29.1	28.4	29.7	30.3
	6H	23.8	24.9	24.4	25.5	26.2	29.1	30.2	29.7	30.8	31.5
	8H	23.8	24.9	24.4	25.5	26.2	29.7	30.8	30.3	31.4	32.1
	12H	23.8	24.9	24.5	25.5	26.2	30.4	31.4	31.0	32.0	32.7
4H	2H	22.5	23.8	23.1	24.3	25.0	24.5	25.8	25.1	26.3	27.0
	3H	24.2	25.3	24.8	25.9	26.5	27.3	28.3	27.9	28.9	29.6
	4H	24.8	25.7	25.4	26.3	27.0	28.7	29.6	29.3	30.2	30.9
	6H	25.2	26.0	25.8	26.6	27.3	30.1	30.9	30.7	31.6	32.3
	8H	25.2	26.0	25.9	26.7	27.4	30.8	31.6	31.4	32.2	33.0
	12H	25.3	26.0	25.9	26.7	27.4	31.6	32.3	32.2	33.0	33.7
8H	4H	25.5	26.3	26.2	26.9	27.7	28.9	29.6	29.5	30.3	31.0
	6H	26.1	26.7	26.7	27.4	28.1	30.4	31.1	31.1	31.8	32.5
	8H	26.2	26.8	26.9	27.5	28.3	31.3	31.9	32.0	32.6	33.3
	12H	26.3	26.9	27.0	27.5	28.4	32.3	32.8	32.9	33.5	34.3
12H	4H	25.7	26.4	26.4	27.1	27.8	28.8	29.6	29.5	30.2	31.0
	6H	26.4	27.0	27.1	27.7	28.4	30.5	31.1	31.1	31.7	32.5
	8H	26.6	27.2	27.3	27.9	28.7	31.4	31.9	32.1	32.6	33.4

Maximum UGR = 34.3

POLAR GRAPH



Maximum Candela = 1627 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (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 (.5) (Through Max. Cd.)