



8165 E Kaiser Blvd. Anaheim, CA 92808
www.lightlaboratory.com

Report No: L052611901



Report No: L052611901
Amendment: N/A

Issue Date: 5/20/2026
Revision Date: N/A

Report Prepared For: Prudential Lighting
1774 E. 21st Street, Los Angeles, CA 90058

Model Number: NVCR-LED35-SO-4-FLG-NON-LIFT-HACW-DM01

Test: Photometric/Electrical Test

Standards Used: Appropriate part or all test guidelines were used for test performed:

ANSI/IES LM79: 2019 Approved Methods for Optical and Electrical Measurements of Solid-State Lighting Products

ANSI/NEMA C78.377: 2017 Specification of the Chromaticity of Solid State Lighting Products

ANSI C82.77-10:2014: Harmonic Emission Limits-Related Quality Requirements for Lighting Equipment

Description of Sample: Client submitted the sample. Received in working and undamaged condition. No modifications were necessary.

Special Test Condition: Fixture is tested with no special conditions.

Date of Tests: 5/20/26

Seasoning of Sample: No seasoning was performed in accordance with IESNA LM-79.

Equipment List

Equipment Used	Model No	Stock No	Calibration Due Date
Chroma Programmable AC Source	61604	PS-AC02	--
Yokogawa Digital Power Meter	WT210	MT-EL06-S3	6/21/26
HP Power Supply	6032A	PS-DC05-S2	--
Fluke Digital Thermometer	52K/J	MT-TP05	6/25/26
LLI Type C Goniophotometer System	RMG-C-MKII	CD-LL04-GC	--
LLI 2M Sphere	2MR97	CD-SN03-S2	--
LLI Spectroradiometer	SPR-3000	MT-SC01-S2	Before Use

General Information

Manufacturer:	Prudential Lighting
Model Number:	NVCR-LED35-SO-4-FLG-NON-LIFT-HACW-DM01
Driver Model Number:	EldoLED OPTOTRONIC 30W OTi 30/120-277/1A0 DIM-1 L G2

Photometric & Electrical Test Results

Total Lumens:	2322.00
Efficacy:	108.54
Input Voltage (VAC/60Hz):	120.02
Input Current (Amp):	0.1814
Input Power (W):	21.39
Input Power Factor:	0.9828
Current ATHD (%):	1.1%

Test Condition

Ambient Temperature (°C):	25.0
Stabilization Time (Hours):	0:30
Total Operating Time (Hours):	1:30

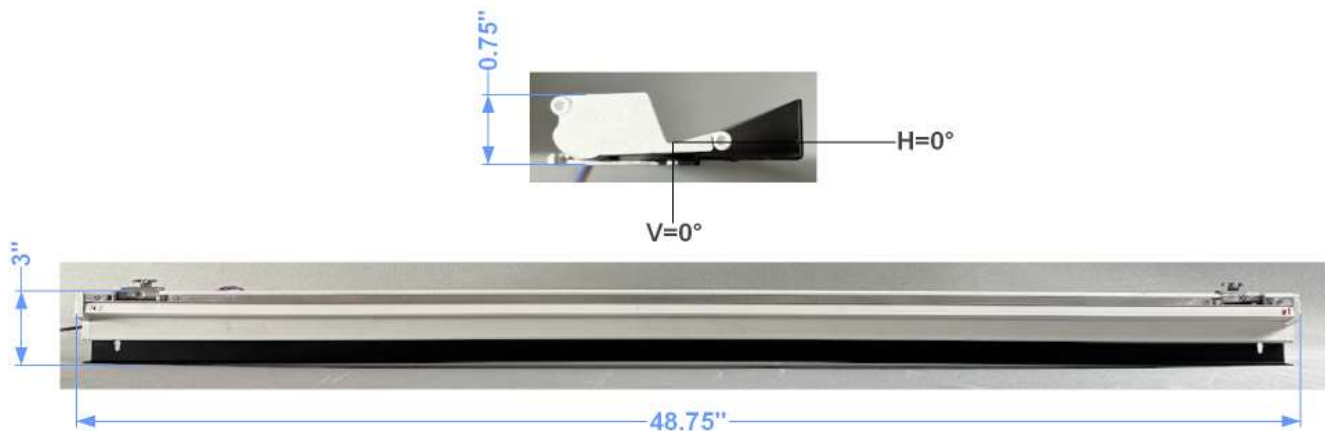


FIG. 1 LUMINAIRE



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Test Methods

Photometric Measurements - Goniophotometer

A Custom Light Laboratory Type C Rotating Mirror Goniophotometer was used to measure candelas(intensity) at each angle of distribution as defined by IESNA for the appropriate fixture type.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Spectral Measurements - Integrating Sphere

A Sensing Spectroradiometer SPR-3000, in conjunction with Light Laboratory 2 meter integrating sphere was used to measure chromaticity coordinates, correlated color temperature(CCT) and the color rendering index(CRI) for each sample.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Disclaimers:

The results related only to the samples as received and tested. This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.

Report Prepared by : JG

Test Report Reviewed by:
Jason Gee

**Attached are photometric data reports.*



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Addendum A

Report Amendment Log

Date	Reference No.	Revision Description	Revision By



8165 E. Kaiser Blvd. Anaheim, CA 92808
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Photometric Test Report

IES INDOOR REPORT

PHOTOMETRIC FILENAME : L052611901.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L052611901
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 5/20/2026
[MANUFAC] Prudential Lighting
[LUMCAT] NVCR-LED35-SO-4-FLG-NON-LIFT-HACW-DM01
[LUMINAIRE] Distribution Test with LPW
[BALLASTCAT] EldoLED OPTOTRONIC 30W OTi 30/120-277/1A0 DIM-1 L G2
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[INPUT] 120VAC
[TEST PROCEDURE] IESNA:LM-79-19

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2322
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	21.39
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Vertical Rectangle
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	120	181
55	0	78	142
65	0	59	108
75	0	138	82
85	0	667	57

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L052611901.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46
1	3.52	3.35	3.44	3.44	3.52	3.44	3.52	3.52	3.52	3.52
2	3.35	3.35	3.44	3.44	3.52	3.52	3.60	3.52	3.69	3.52
3	3.35	3.27	3.27	3.35	3.52	3.52	3.60	3.60	3.69	3.60
4	3.18	3.18	3.27	3.35	3.52	3.52	3.60	3.69	3.69	3.69
5	3.18	3.10	3.27	3.27	3.52	3.60	3.69	3.69	3.86	3.69
6	3.02	3.02	3.10	3.27	3.52	3.60	3.77	3.77	3.86	3.77
7	3.02	3.02	3.10	3.27	3.52	3.60	3.77	3.77	3.86	3.77
8	2.85	2.93	3.10	3.18	3.52	3.60	3.77	3.94	4.02	3.94
9	2.85	2.85	2.93	3.18	3.52	3.60	3.77	3.94	4.02	3.94
10	2.85	2.77	2.93	3.10	3.52	3.60	3.86	3.94	4.02	3.94
11	2.68	2.77	2.93	3.10	3.52	3.60	3.94	4.11	4.19	4.11
12	2.68	2.68	2.77	3.02	3.52	3.60	3.94	4.11	4.19	4.11
13	2.52	2.60	2.77	3.02	3.44	3.69	3.94	4.11	4.19	4.11
14	2.52	2.52	2.77	2.93	3.35	3.69	4.02	4.28	4.36	4.28
15	2.52	2.52	2.68	2.93	3.35	3.69	4.02	4.28	4.36	4.28
16	2.35	2.43	2.60	2.85	3.35	3.69	4.11	4.28	4.36	4.28
17	2.35	2.35	2.60	2.85	3.35	3.69	4.19	4.44	4.53	4.44
18	2.35	2.35	2.52	2.85	3.35	3.69	4.19	4.44	4.53	4.44
19	2.18	2.26	2.43	2.77	3.35	3.69	4.19	4.53	4.69	4.53
20	2.18	2.18	2.43	2.77	3.35	3.69	4.28	4.61	4.69	4.61
21	2.18	2.18	2.43	2.68	3.35	3.69	4.36	4.69	4.86	4.69
22	2.01	2.10	2.26	2.68	3.35	3.69	4.36	4.78	4.86	4.78
23	2.01	2.01	2.26	2.60	3.35	3.77	4.36	4.86	5.03	4.86
24	2.01	2.01	2.26	2.60	3.27	3.86	4.53	4.95	5.20	4.95
25	1.84	2.01	2.18	2.52	3.18	3.86	4.53	5.03	5.20	5.03
26	1.84	1.93	2.10	2.52	3.18	3.86	4.53	5.20	5.36	5.20
27	1.84	1.84	2.10	2.52	3.18	3.86	4.69	5.28	5.53	5.28
28	1.68	1.84	2.10	2.43	3.18	3.86	4.69	5.36	5.53	5.36
29	1.68	1.76	1.93	2.43	3.18	3.86	4.78	5.45	5.70	5.45
30	1.68	1.68	1.93	2.35	3.18	3.86	4.86	5.53	5.87	5.53
31	1.68	1.68	1.93	2.35	3.18	3.86	4.95	5.70	6.03	5.70
32	1.51	1.68	1.93	2.26	3.18	3.94	4.95	5.78	6.20	5.78
33	1.51	1.59	1.84	2.26	3.18	3.94	5.11	5.95	6.20	5.95
34	1.51	1.51	1.76	2.26	3.10	3.94	5.11	6.03	6.37	6.03
35	1.34	1.51	1.76	2.18	3.02	3.94	5.28	6.12	6.54	6.12
36	1.34	1.51	1.76	2.18	3.02	3.94	5.28	6.29	6.71	6.29
37	1.34	1.42	1.68	2.10	3.02	3.94	5.36	6.37	6.87	6.37
38	1.34	1.34	1.59	2.10	3.02	4.02	5.45	6.54	7.04	6.54
39	1.34	1.34	1.59	2.01	3.02	4.02	5.53	6.62	7.21	6.62
40	1.17	1.34	1.59	2.01	3.02	4.02	5.62	6.79	7.38	6.79
41	1.17	1.26	1.51	1.93	3.02	4.11	5.70	6.87	7.54	6.87
42	1.17	1.17	1.42	1.93	2.93	4.11	5.70	7.04	7.54	7.04
43	1.17	1.17	1.42	1.93	2.85	4.11	5.87	7.12	7.71	7.12
44	1.01	1.17	1.42	1.84	2.85	4.11	5.87	7.21	7.88	7.21
45	1.01	1.17	1.34	1.76	2.85	4.19	5.95	7.38	8.05	7.38
46	1.01	1.01	1.34	1.76	2.85	4.19	6.03	7.46	8.05	7.46
47	1.01	1.01	1.26	1.76	2.85	4.19	6.03	7.54	8.22	7.54
48	1.01	1.01	1.26	1.68	2.85	4.19	6.12	7.71	8.38	7.71
49	0.84	1.01	1.17	1.68	2.77	4.19	6.20	7.80	8.55	7.80
50	0.84	1.01	1.17	1.59	2.77	4.19	6.29	7.88	8.55	7.88
51	0.84	0.84	1.17	1.59	2.68	4.19	6.29	7.88	8.72	7.88
52	0.84	0.84	1.09	1.59	2.68	4.19	6.29	7.96	8.72	7.96
53	0.84	0.84	1.09	1.51	2.68	4.19	6.29	8.05	8.89	8.05

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L052611901.IES

CANDELA TABULATION - (Cont.)

54	0.84	0.84	1.01	1.42	2.68	4.19	6.37	8.13	8.89	8.13
55	0.67	0.84	1.01	1.42	2.60	4.19	6.37	8.13	8.89	8.13
56	0.67	0.84	1.01	1.42	2.60	4.11	6.37	8.13	8.89	8.13
57	0.67	0.84	1.01	1.42	2.52	4.11	6.37	8.13	8.89	8.13
58	0.67	0.67	0.92	1.34	2.52	4.11	6.29	8.13	8.89	8.13
59	0.67	0.67	0.84	1.26	2.52	4.11	6.20	8.13	8.89	8.13
60	0.67	0.67	0.84	1.26	2.52	4.02	6.20	8.05	8.89	8.05
61	0.67	0.67	0.84	1.26	2.35	4.02	6.20	8.05	8.89	8.05
62	0.67	0.67	0.84	1.26	2.35	4.02	6.12	8.05	8.89	8.05
63	0.67	0.67	0.84	1.17	2.35	3.86	6.12	7.96	8.89	7.96
64	0.50	0.67	0.84	1.09	2.35	3.86	6.12	7.96	8.89	7.96
65	0.50	0.67	0.84	1.09	2.18	3.86	6.12	7.96	8.89	7.96
66	0.50	0.59	0.92	1.09	2.18	3.77	6.03	7.96	8.89	7.96
67	0.50	0.59	0.92	1.09	2.18	3.77	5.95	7.88	8.89	7.88
68	0.50	0.59	1.01	1.09	2.10	3.77	5.95	7.88	8.89	7.88
69	0.50	0.67	1.01	1.09	2.01	3.60	5.87	7.88	8.72	7.88
70	0.50	0.75	1.09	1.09	2.01	3.60	5.87	7.88	8.72	7.88
71	0.50	0.92	1.17	1.17	2.01	3.52	5.87	7.88	8.72	7.88
72	0.50	1.17	1.34	1.17	1.93	3.52	5.78	7.80	8.55	7.80
73	0.50	1.34	1.42	1.34	1.84	3.52	5.78	7.71	8.55	7.71
74	0.50	1.59	1.76	1.42	1.84	3.44	5.70	7.63	8.38	7.63
75	0.50	1.84	2.10	1.51	1.76	3.44	5.62	7.54	8.22	7.54
76	0.50	2.10	2.68	1.68	1.68	3.27	5.53	7.38	8.22	7.38
77	0.50	2.35	3.18	1.84	1.68	3.27	5.45	7.38	8.05	7.38
78	0.50	2.68	4.02	2.10	1.59	3.27	5.36	7.21	7.88	7.21
79	0.50	3.02	4.69	2.43	1.51	3.18	5.28	7.04	7.71	7.04
80	0.50	3.35	5.62	2.77	1.51	3.10	5.20	6.87	7.54	6.87
81	0.50	3.77	6.37	3.52	1.42	3.10	5.03	6.71	7.38	6.71
82	0.50	4.11	7.29	4.78	1.34	3.02	4.95	6.54	7.04	6.54
83	0.50	4.69	8.22	6.20	1.34	2.93	4.86	6.37	6.87	6.37
84	0.50	5.11	9.39	8.05	1.26	2.93	4.69	6.20	6.71	6.20
85	0.50	5.78	10.48	9.47	1.26	2.85	4.61	6.03	6.37	6.03
86	0.50	6.45	11.82	11.23	1.17	2.77	4.53	5.87	6.20	5.87
87	0.50	7.04	13.08	12.99	1.17	2.77	4.36	5.53	5.87	5.53
88	1.51	9.64	14.42	14.75	1.09	2.68	4.19	5.53	5.87	5.53
89	9.72	21.46	18.61	17.27	1.09	2.68	5.20	6.37	7.38	6.37
90	30.34	45.35	37.47	35.29	1.68	3.18	6.20	8.05	8.55	8.05
91	58.17	88.69	72.00	86.25	4.28	3.69	6.79	8.80	9.22	8.80
92	109.81	140.74	138.06	117.77	7.71	4.95	7.46	9.47	9.89	9.47
93	169.16	216.27	209.06	158.43	11.65	6.45	8.55	10.39	10.90	10.39
94	241.25	285.92	279.64	193.21	16.01	7.88	9.81	11.57	12.07	11.57
95	318.53	377.63	331.86	222.55	20.62	9.22	10.98	12.82	13.41	12.82
96	424.32	500.85	441.75	248.54	25.73	10.23	12.15	14.17	14.75	14.17
97	556.76	623.57	516.78	271.59	31.01	10.98	13.24	15.51	15.93	15.51
98	704.12	762.04	584.25	288.77	36.80	11.57	14.42	16.68	17.43	16.68
99	854.34	874.29	644.27	304.70	42.33	12.07	15.26	17.85	18.61	17.85
100	1003.88	997.51	699.01	319.20	48.70	12.49	16.26	19.03	19.95	19.03
101	1131.12	1086.36	745.53	329.60	54.65	13.08	16.93	20.20	20.96	20.20
102	1254.01	1194.66	786.86	339.91	61.28	14.33	17.69	21.21	22.30	21.21
103	1366.84	1260.38	818.79	348.37	67.39	16.01	18.19	22.21	23.14	22.21
104	1459.55	1335.57	842.93	357.93	74.52	17.94	18.86	23.05	24.31	23.05
105	1541.69	1384.61	871.18	366.23	82.06	20.03	19.36	23.89	25.15	23.89
106	1597.19	1420.48	897.59	373.77	88.10	22.47	19.78	24.64	26.15	24.64
107	1639.43	1445.80	918.71	380.64	94.47	24.73	20.28	25.32	26.82	25.32
108	1666.93	1469.02	935.56	386.76	101.60	27.33	20.79	25.82	27.66	25.82
109	1686.04	1490.56	948.64	392.21	108.47	30.09	21.63	26.49	28.17	26.49

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L052611901.IES

CANDELA TABULATION - (Cont.)

110	1700.12	1505.65	954.76	397.08	115.17	32.69	22.63	26.91	28.83	26.91
111	1713.03	1512.69	957.77	401.10	121.88	35.62	24.23	27.41	29.34	27.41
112	1715.21	1512.61	958.03	404.62	128.67	38.47	26.15	27.83	30.01	27.83
113	1710.52	1506.07	954.92	407.30	135.38	41.74	28.33	28.33	30.34	28.33
114	1700.12	1492.24	950.06	409.65	142.08	44.76	30.60	29.00	30.85	29.00
115	1680.17	1472.20	940.93	411.33	148.79	48.28	32.94	29.84	31.52	29.84
116	1657.54	1447.73	931.37	412.50	155.33	51.80	35.29	30.93	32.36	30.93
117	1622.33	1419.23	916.95	413.17	161.95	55.41	37.72	32.69	33.36	32.69
118	1586.62	1388.55	901.53	413.50	168.49	59.10	40.24	34.62	34.70	34.62
119	1548.23	1355.77	884.51	413.67	174.69	62.95	42.83	36.80	36.55	36.80
120	1507.32	1320.23	866.57	413.50	181.14	66.97	45.52	38.98	38.73	38.98
121	1464.24	1279.74	847.63	413.17	187.77	71.00	48.37	41.16	41.07	41.16
122	1420.65	1245.46	828.02	412.67	193.72	75.36	50.88	43.42	43.09	43.42
123	1376.06	1203.38	808.40	412.16	200.34	79.72	53.98	45.77	45.43	45.77
124	1330.79	1167.75	788.37	411.58	206.12	84.08	56.67	48.12	47.44	48.12
125	1285.69	1125.09	768.92	410.82	212.91	89.11	59.85	50.71	49.96	50.71
126	1240.43	1089.96	749.97	410.32	218.28	93.13	62.78	52.98	52.31	52.98
127	1195.67	1048.72	731.62	409.82	224.82	98.24	65.97	55.66	54.65	55.66
128	1151.74	1015.19	713.93	409.31	230.10	102.52	68.99	58.01	57.00	58.01
129	1109.50	976.80	696.49	408.89	236.38	107.80	72.42	60.86	59.51	60.86
130	1068.59	943.52	681.41	408.73	241.83	112.74	75.78	63.29	62.03	63.29
131	1026.34	911.92	665.90	408.64	247.62	119.53	79.13	66.31	64.71	66.31
132	992.14	882.16	652.57	408.73	253.07	126.57	83.07	68.82	67.23	68.82
133	953.75	854.34	638.40	408.73	258.60	135.21	86.51	71.92	69.91	71.92
134	920.89	828.10	626.33	408.98	263.88	143.09	90.19	74.86	72.76	74.86
135	890.04	804.04	615.02	409.23	269.16	150.80	94.05	77.87	75.44	77.87
136	861.21	781.24	604.71	409.65	274.27	158.18	97.91	80.89	78.29	80.89
137	834.72	760.20	594.90	410.07	279.30	165.30	102.01	84.08	81.31	84.08
138	810.08	740.75	586.18	410.40	284.16	172.18	106.21	87.43	84.83	87.43
139	787.44	722.65	577.46	410.82	289.03	179.05	110.40	90.78	87.68	90.78
140	766.32	705.88	569.75	411.16	293.80	185.67	115.09	94.30	90.86	94.30
141	746.37	690.46	562.29	411.58	298.33	192.38	119.45	97.82	94.55	97.82
142	728.26	676.21	555.42	411.83	302.86	198.91	124.14	101.60	97.74	101.60
143	711.16	662.21	548.80	412.33	307.30	205.45	129.01	105.45	101.60	105.45
144	695.74	650.14	542.59	412.50	311.57	211.99	133.53	109.47	104.95	109.47
145	680.99	636.98	536.56	412.83	315.60	218.53	138.81	113.67	109.14	113.67
146	667.07	625.50	530.86	413.00	319.79	224.98	144.18	117.94	113.16	117.94
147	653.83	614.93	525.24	413.08	323.64	231.61	150.46	122.47	117.35	122.47
148	641.25	604.54	520.04	413.34	327.42	238.23	158.09	127.16	121.88	127.16
149	629.18	594.56	515.02	413.34	331.02	244.60	168.15	132.02	126.57	132.02
150	616.61	584.84	509.99	413.25	334.12	251.47	177.79	137.47	131.27	137.47
151	606.38	575.54	505.63	413.25	337.39	257.09	187.18	142.00	136.13	142.00
152	594.65	566.48	500.43	413.08	340.83	263.63	196.15	147.70	141.33	147.70
153	584.92	557.77	496.15	412.92	343.43	269.16	204.36	152.98	146.52	152.98
154	573.69	549.38	491.04	412.75	346.70	275.45	212.33	159.77	151.72	159.77
155	564.81	541.17	486.85	412.42	349.38	280.89	220.04	167.82	157.59	167.82
156	554.41	533.12	481.57	412.08	352.31	286.60	227.58	179.22	164.63	179.22
157	546.03	525.24	477.38	411.74	354.91	291.71	235.04	190.20	173.85	190.20
158	536.14	517.45	472.43	411.16	357.43	297.24	242.42	201.01	185.75	201.01
159	527.09	509.99	467.74	410.57	359.86	302.35	249.71	210.82	197.15	210.82
160	518.20	502.36	463.13	409.98	362.04	307.47	257.09	220.29	208.05	220.29
161	510.15	494.90	458.77	409.40	364.13	312.41	264.80	229.26	217.94	229.26
162	501.44	486.77	454.33	408.56	366.39	317.27	273.10	238.06	228.34	238.06
163	493.05	480.06	449.97	407.80	368.32	321.97	279.80	246.69	236.72	246.69
164	484.67	472.27	445.69	406.97	370.08	326.58	287.68	255.33	246.78	255.33
165	476.46	465.81	441.50	406.21	371.84	331.11	294.05	263.80	254.99	263.80

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L052611901.IES

CANDELA TABULATION - (Cont.)

166	468.91	458.52	437.48	405.12	373.52	334.29	301.52	273.43	264.88	273.43
167	461.37	452.48	433.29	404.28	374.86	338.48	307.55	281.98	273.43	281.98
168	454.16	445.69	429.26	403.11	376.20	342.51	314.84	291.37	283.83	291.37
169	447.12	440.08	425.41	401.94	377.46	346.36	320.63	299.08	292.04	299.08
170	440.58	433.45	421.55	400.51	378.63	350.30	327.42	308.14	301.93	308.14
171	434.04	427.75	417.86	399.25	379.64	354.07	333.70	315.26	310.48	315.26
172	427.67	422.14	414.01	397.91	380.56	357.76	339.74	323.90	319.04	323.90
173	421.64	416.69	410.32	396.40	381.32	361.37	345.36	330.85	327.25	330.85
174	415.60	411.41	406.46	394.81	382.15	364.80	351.22	336.39	335.63	336.39
175	409.57	406.30	402.52	393.05	382.74	368.32	356.92	344.94	343.18	344.94
176	404.03	401.27	398.67	391.12	383.24	371.09	362.45	352.31	351.05	352.31
177	398.33	395.90	395.06	389.03	383.49	374.19	367.82	359.27	358.93	359.27
178	392.63	390.54	390.87	386.93	383.91	376.96	372.77	366.14	366.31	366.14
179	386.26	384.92	386.76	384.67	384.08	379.72	377.63	372.68	373.18	372.68
180	381.38	381.38	381.38	381.38	381.38	381.38	381.38	381.38	381.38	381.38

Vert. Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	3.46	3.46	3.46	3.46	3.46	3.46	3.46
1	3.52	3.44	3.52	3.44	3.44	3.35	3.52
2	3.60	3.52	3.52	3.44	3.44	3.35	3.35
3	3.60	3.52	3.52	3.35	3.27	3.27	3.35
4	3.60	3.52	3.52	3.35	3.27	3.18	3.18
5	3.69	3.60	3.52	3.27	3.27	3.10	3.18
6	3.77	3.60	3.52	3.27	3.10	3.02	3.02
7	3.77	3.60	3.52	3.27	3.10	3.02	3.02
8	3.77	3.60	3.52	3.18	3.10	2.93	2.85
9	3.77	3.60	3.52	3.18	2.93	2.85	2.85
10	3.86	3.60	3.52	3.10	2.93	2.77	2.85
11	3.94	3.60	3.52	3.10	2.93	2.77	2.68
12	3.94	3.60	3.52	3.02	2.77	2.68	2.68
13	3.94	3.69	3.44	3.02	2.77	2.60	2.52
14	4.02	3.69	3.35	2.93	2.77	2.52	2.52
15	4.02	3.69	3.35	2.93	2.68	2.52	2.52
16	4.11	3.69	3.35	2.85	2.60	2.43	2.35
17	4.19	3.69	3.35	2.85	2.60	2.35	2.35
18	4.19	3.69	3.35	2.85	2.52	2.35	2.35
19	4.19	3.69	3.35	2.77	2.43	2.26	2.18
20	4.28	3.69	3.35	2.77	2.43	2.18	2.18
21	4.36	3.69	3.35	2.68	2.43	2.18	2.18
22	4.36	3.69	3.35	2.68	2.26	2.10	2.01
23	4.36	3.77	3.35	2.60	2.26	2.01	2.01
24	4.53	3.86	3.27	2.60	2.26	2.01	2.01
25	4.53	3.86	3.18	2.52	2.18	2.01	1.84
26	4.53	3.86	3.18	2.52	2.10	1.93	1.84
27	4.69	3.86	3.18	2.52	2.10	1.84	1.84
28	4.69	3.86	3.18	2.43	2.10	1.84	1.68
29	4.78	3.86	3.18	2.43	1.93	1.76	1.68
30	4.86	3.86	3.18	2.35	1.93	1.68	1.68
31	4.95	3.86	3.18	2.35	1.93	1.68	1.68
32	4.95	3.94	3.18	2.26	1.93	1.68	1.51
33	5.11	3.94	3.18	2.26	1.84	1.59	1.51
34	5.11	3.94	3.10	2.26	1.76	1.51	1.51
35	5.28	3.94	3.02	2.18	1.76	1.51	1.34
36	5.28	3.94	3.02	2.18	1.76	1.51	1.34

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L052611901.IES

CANDELA TABULATION - (Cont.)

37	5.36	3.94	3.02	2.10	1.68	1.42	1.34
38	5.45	4.02	3.02	2.10	1.59	1.34	1.34
39	5.53	4.02	3.02	2.01	1.59	1.34	1.34
40	5.62	4.02	3.02	2.01	1.59	1.34	1.17
41	5.70	4.11	3.02	1.93	1.51	1.26	1.17
42	5.70	4.11	2.93	1.93	1.42	1.17	1.17
43	5.87	4.11	2.85	1.93	1.42	1.17	1.17
44	5.87	4.11	2.85	1.84	1.42	1.17	1.01
45	5.95	4.19	2.85	1.76	1.34	1.17	1.01
46	6.03	4.19	2.85	1.76	1.34	1.01	1.01
47	6.03	4.19	2.85	1.76	1.26	1.01	1.01
48	6.12	4.19	2.85	1.68	1.26	1.01	1.01
49	6.20	4.19	2.77	1.68	1.17	1.01	0.84
50	6.29	4.19	2.77	1.59	1.17	1.01	0.84
51	6.29	4.19	2.68	1.59	1.17	0.84	0.84
52	6.29	4.19	2.68	1.59	1.09	0.84	0.84
53	6.29	4.19	2.68	1.51	1.09	0.84	0.84
54	6.37	4.19	2.68	1.42	1.01	0.84	0.84
55	6.37	4.19	2.60	1.42	1.01	0.84	0.67
56	6.37	4.11	2.60	1.42	1.01	0.84	0.67
57	6.37	4.11	2.52	1.42	1.01	0.84	0.67
58	6.29	4.11	2.52	1.34	0.92	0.67	0.67
59	6.20	4.11	2.52	1.26	0.84	0.67	0.67
60	6.20	4.02	2.52	1.26	0.84	0.67	0.67
61	6.20	4.02	2.35	1.26	0.84	0.67	0.67
62	6.12	4.02	2.35	1.26	0.84	0.67	0.67
63	6.12	3.86	2.35	1.17	0.84	0.67	0.67
64	6.12	3.86	2.35	1.09	0.84	0.67	0.50
65	6.12	3.86	2.18	1.09	0.84	0.67	0.50
66	6.03	3.77	2.18	1.09	0.92	0.59	0.50
67	5.95	3.77	2.18	1.09	0.92	0.59	0.50
68	5.95	3.77	2.10	1.09	1.01	0.59	0.50
69	5.87	3.60	2.01	1.09	1.01	0.67	0.50
70	5.87	3.60	2.01	1.09	1.09	0.75	0.50
71	5.87	3.52	2.01	1.17	1.17	0.92	0.50
72	5.78	3.52	1.93	1.17	1.34	1.17	0.50
73	5.78	3.52	1.84	1.34	1.42	1.34	0.50
74	5.70	3.44	1.84	1.42	1.76	1.59	0.50
75	5.62	3.44	1.76	1.51	2.10	1.84	0.50
76	5.53	3.27	1.68	1.68	2.68	2.10	0.50
77	5.45	3.27	1.68	1.84	3.18	2.35	0.50
78	5.36	3.27	1.59	2.10	4.02	2.68	0.50
79	5.28	3.18	1.51	2.43	4.69	3.02	0.50
80	5.20	3.10	1.51	2.77	5.62	3.35	0.50
81	5.03	3.10	1.42	3.52	6.37	3.77	0.50
82	4.95	3.02	1.34	4.78	7.29	4.11	0.50
83	4.86	2.93	1.34	6.20	8.22	4.69	0.50
84	4.69	2.93	1.26	8.05	9.39	5.11	0.50
85	4.61	2.85	1.26	9.47	10.48	5.78	0.50
86	4.53	2.77	1.17	11.23	11.82	6.45	0.50
87	4.36	2.77	1.17	12.99	13.08	7.04	0.50
88	4.19	2.68	1.09	14.75	14.42	9.64	1.51
89	5.20	2.68	1.09	17.27	18.61	21.46	9.72
90	6.20	3.18	1.68	35.29	37.47	45.35	30.34
91	6.79	3.69	4.28	86.25	72.00	88.69	58.17
92	7.46	4.95	7.71	117.77	138.06	140.74	109.81

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L052611901.IES

CANDELA TABULATION - (Cont.)

93	8.55	6.45	11.65	158.43	209.06	216.27	169.16
94	9.81	7.88	16.01	193.21	279.64	285.92	241.25
95	10.98	9.22	20.62	222.55	331.86	377.63	318.53
96	12.15	10.23	25.73	248.54	441.75	500.85	424.32
97	13.24	10.98	31.01	271.59	516.78	623.57	556.76
98	14.42	11.57	36.80	288.77	584.25	762.04	704.12
99	15.26	12.07	42.33	304.70	644.27	874.29	854.34
100	16.26	12.49	48.70	319.20	699.01	997.51	1003.88
101	16.93	13.08	54.65	329.60	745.53	1086.36	1131.12
102	17.69	14.33	61.28	339.91	786.86	1194.66	1254.01
103	18.19	16.01	67.39	348.37	818.79	1260.38	1366.84
104	18.86	17.94	74.52	357.93	842.93	1335.57	1459.55
105	19.36	20.03	82.06	366.23	871.18	1384.61	1541.69
106	19.78	22.47	88.10	373.77	897.59	1420.48	1597.19
107	20.28	24.73	94.47	380.64	918.71	1445.80	1639.43
108	20.79	27.33	101.60	386.76	935.56	1469.02	1666.93
109	21.63	30.09	108.47	392.21	948.64	1490.56	1686.04
110	22.63	32.69	115.17	397.08	954.76	1505.65	1700.12
111	24.23	35.62	121.88	401.10	957.77	1512.69	1713.03
112	26.15	38.47	128.67	404.62	958.03	1512.61	1715.21
113	28.33	41.74	135.38	407.30	954.92	1506.07	1710.52
114	30.60	44.76	142.08	409.65	950.06	1492.24	1700.12
115	32.94	48.28	148.79	411.33	940.93	1472.20	1680.17
116	35.29	51.80	155.33	412.50	931.37	1447.73	1657.54
117	37.72	55.41	161.95	413.17	916.95	1419.23	1622.33
118	40.24	59.10	168.49	413.50	901.53	1388.55	1586.62
119	42.83	62.95	174.69	413.67	884.51	1355.77	1548.23
120	45.52	66.97	181.14	413.50	866.57	1320.23	1507.32
121	48.37	71.00	187.77	413.17	847.63	1279.74	1464.24
122	50.88	75.36	193.72	412.67	828.02	1245.46	1420.65
123	53.98	79.72	200.34	412.16	808.40	1203.38	1376.06
124	56.67	84.08	206.12	411.58	788.37	1167.75	1330.79
125	59.85	89.11	212.91	410.82	768.92	1125.09	1285.69
126	62.78	93.13	218.28	410.32	749.97	1089.96	1240.43
127	65.97	98.24	224.82	409.82	731.62	1048.72	1195.67
128	68.99	102.52	230.10	409.31	713.93	1015.19	1151.74
129	72.42	107.80	236.38	408.89	696.49	976.80	1109.50
130	75.78	112.74	241.83	408.73	681.41	943.52	1068.59
131	79.13	119.53	247.62	408.64	665.90	911.92	1026.34
132	83.07	126.57	253.07	408.73	652.57	882.16	992.14
133	86.51	135.21	258.60	408.73	638.40	854.34	953.75
134	90.19	143.09	263.88	408.98	626.33	828.10	920.89
135	94.05	150.80	269.16	409.23	615.02	804.04	890.04
136	97.91	158.18	274.27	409.65	604.71	781.24	861.21
137	102.01	165.30	279.30	410.07	594.90	760.20	834.72
138	106.21	172.18	284.16	410.40	586.18	740.75	810.08
139	110.40	179.05	289.03	410.82	577.46	722.65	787.44
140	115.09	185.67	293.80	411.16	569.75	705.88	766.32
141	119.45	192.38	298.33	411.58	562.29	690.46	746.37
142	124.14	198.91	302.86	411.83	555.42	676.21	728.26
143	129.01	205.45	307.30	412.33	548.80	662.21	711.16
144	133.53	211.99	311.57	412.50	542.59	650.14	695.74
145	138.81	218.53	315.60	412.83	536.56	636.98	680.99
146	144.18	224.98	319.79	413.00	530.86	625.50	667.07
147	150.46	231.61	323.64	413.08	525.24	614.93	653.83
148	158.09	238.23	327.42	413.34	520.04	604.54	641.25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L052611901.IES

CANDELA TABULATION - (Cont.)

149	168.15	244.60	331.02	413.34	515.02	594.56	629.18
150	177.79	251.47	334.12	413.25	509.99	584.84	616.61
151	187.18	257.09	337.39	413.25	505.63	575.54	606.38
152	196.15	263.63	340.83	413.08	500.43	566.48	594.65
153	204.36	269.16	343.43	412.92	496.15	557.77	584.92
154	212.33	275.45	346.70	412.75	491.04	549.38	573.69
155	220.04	280.89	349.38	412.42	486.85	541.17	564.81
156	227.58	286.60	352.31	412.08	481.57	533.12	554.41
157	235.04	291.71	354.91	411.74	477.38	525.24	546.03
158	242.42	297.24	357.43	411.16	472.43	517.45	536.14
159	249.71	302.35	359.86	410.57	467.74	509.99	527.09
160	257.09	307.47	362.04	409.98	463.13	502.36	518.20
161	264.80	312.41	364.13	409.40	458.77	494.90	510.15
162	273.10	317.27	366.39	408.56	454.33	486.77	501.44
163	279.80	321.97	368.32	407.80	449.97	480.06	493.05
164	287.68	326.58	370.08	406.97	445.69	472.27	484.67
165	294.05	331.11	371.84	406.21	441.50	465.81	476.46
166	301.52	334.29	373.52	405.12	437.48	458.52	468.91
167	307.55	338.48	374.86	404.28	433.29	452.48	461.37
168	314.84	342.51	376.20	403.11	429.26	445.69	454.16
169	320.63	346.36	377.46	401.94	425.41	440.08	447.12
170	327.42	350.30	378.63	400.51	421.55	433.45	440.58
171	333.70	354.07	379.64	399.25	417.86	427.75	434.04
172	339.74	357.76	380.56	397.91	414.01	422.14	427.67
173	345.36	361.37	381.32	396.40	410.32	416.69	421.64
174	351.22	364.80	382.15	394.81	406.46	411.41	415.60
175	356.92	368.32	382.74	393.05	402.52	406.30	409.57
176	362.45	371.09	383.24	391.12	398.67	401.27	404.03
177	367.82	374.19	383.49	389.03	395.06	395.90	398.33
178	372.77	376.96	383.91	386.93	390.87	390.54	392.63
179	377.63	379.72	384.08	384.67	386.76	384.92	386.26
180	381.38	381.38	381.38	381.38	381.38	381.38	381.38

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L052611901.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1.28	N.A.	0.10
0-30	2.84	N.A.	0.10
0-40	5.03	N.A.	0.20
0-60	11.12	N.A.	0.50
0-80	18.33	N.A.	0.80
0-90	25.46	N.A.	1.10
10-90	25.14	N.A.	1.10
20-40	3.75	N.A.	0.20
20-50	6.57	N.A.	0.30
40-70	9.50	N.A.	0.40
60-80	7.21	N.A.	0.30
70-80	3.80	N.A.	0.20
80-90	7.13	N.A.	0.30
90-110	627.36	N.A.	27.00
90-120	1111.03	N.A.	47.90
90-130	1491.95	N.A.	64.30
90-150	1992.92	N.A.	85.80
90-180	2296.24	N.A.	98.90
110-180	1668.88	N.A.	71.90
0-180	2321.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.33
10-20	0.95
20-30	1.56
30-40	2.19
40-50	2.82
50-60	3.27
60-70	3.41
70-80	3.80
80-90	7.13
90-100	171.91
100-110	455.44
110-120	483.67
120-130	380.92
130-140	282.89
140-150	218.08
150-160	163.34
160-170	103.97
170-180	36.01

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L052611901.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	95	95	95	95	82	82	82	82	56	56	56	33	33	33	11	11	11	1
1	87	83	79	76	74	71	68	65	49	47	45	28	27	27	10	9	9	1
2	79	72	66	62	67	62	57	53	43	40	37	25	23	22	8	8	8	0
3	72	63	56	51	61	54	49	44	37	34	31	22	20	19	7	7	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	7	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	6	5	5	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	12	5	5	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	12	10	5	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	4	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	4	3	2	0

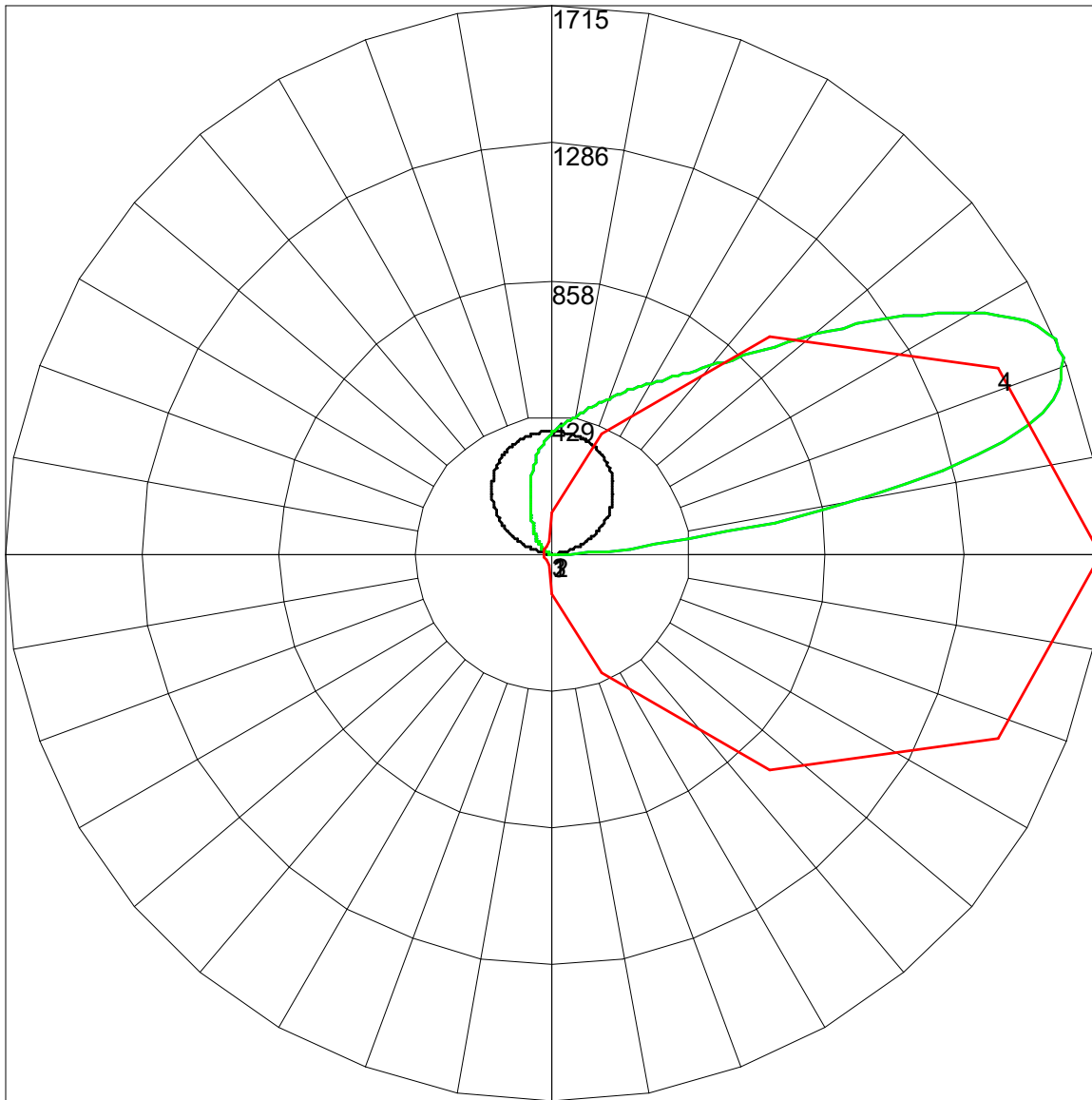
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UGR TABLE - CORRECTED

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					UGR Viewed Endwise				
X=2H	Y=2H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4H	2H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8H	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12H	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0
12H	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8H	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0

Maximum UGR = 1.7

POLAR GRAPH



Maximum Candela = 1715.21 Located At Horizontal Angle = 0, Vertical Angle = 112

1 - Vertical Plane Through Horizontal Angles (0 - 180) (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 (112) (Through Max. Cd.)