



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-12L-30-FGG6-GWT.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12004
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 7/31/2020
[TEST DATE] 07/14/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] FAL-716-12L-30-FGG6-GWT
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1069
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	308
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	308
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	37 (3.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	72 (6.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	110.0	N.A.	10.3
FM - Front-Medium (30-60)	249.6	N.A.	23.3
FH - Front-High (60-80)	107.8	N.A.	10.1
FVH - Front-Very High (80-90)	29.0	N.A.	2.7
BL - Back-Low (0-30)	110.0	N.A.	10.3
BM - Back-Medium (30-60)	249.6	N.A.	23.3
BH - Back-High (60-80)	107.8	N.A.	10.1
BVH - Back-Very High (80-90)	29.0	N.A.	2.7
UL - Uplight-Low (90-100)	30.3	N.A.	2.8
UH - Uplight-High (100-180)	46.3	N.A.	4.3
Total	1069.4	N.A.	100.0
BUG Rating	B1-U2-G1		

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CANDELA TABULATION

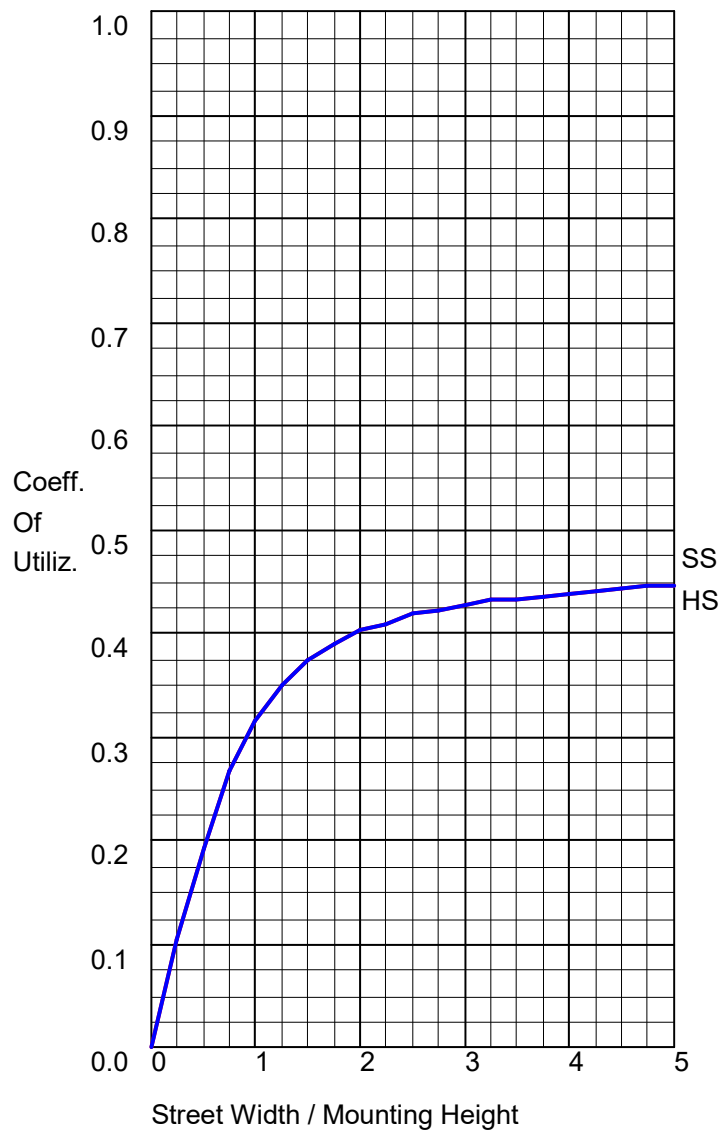
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	307	307	307	307	307
2.5	308	307	307	307	307
5.0	303	304	303	302	302
7.5	294	294	293	291	290
10.0	282	281	280	280	279
12.5	269	269	269	268	268
15.0	260	260	261	260	259
17.5	254	255	255	254	254
20.0	252	253	253	252	251
22.5	252	253	254	252	251
25.0	254	254	255	254	251
27.5	257	257	257	255	253
30.0	259	259	259	259	253
32.5	261	261	260	260	254
35.0	260	260	259	259	252
37.5	257	257	255	254	249
40.0	252	251	250	251	244
42.5	244	243	243	243	236
45.0	235	234	233	235	228
47.5	223	224	223	223	217
50.0	208	210	208	209	203
52.5	192	195	194	194	188
55.0	178	179	178	178	173
57.5	162	163	163	162	159
60.0	147	149	149	147	145
62.5	136	136	136	136	134
65.0	125	126	126	126	125
67.5	113	114	114	114	113
70.0	101	104	104	105	104
72.5	92	96	97	96	92
75.0	83	87	87	86	82
77.5	74	78	79	80	77
80.0	68	71	71	72	70
82.5	59	61	62	62	60
85.0	51	53	54	54	52
87.5	44	45	46	45	44
90.0	36	36	37	37	36
92.5	32	32	32	32	32
95.0	27	27	27	27	27
97.5	24	24	24	24	24
100.0	19	20	20	20	19
102.5	16	16	17	17	16
105.0	12	12	14	14	12
107.5	10	10	11	10	10
110.0	9	9	9	9	9
112.5	8	8	8	9	9
115.0	8	8	8	8	9
117.5	8	8	8	8	8
120.0	8	8	8	8	8
122.5	8	8	8	8	8
125.0	8	8	8	8	8
127.5	8	8	8	8	8
130.0	8	8	8	8	8

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CANDELA TABULATION - (Cont.)

132.5	8	8	8	8	8
135.0	8	8	8	8	8
137.5	8	8	8	8	8
140.0	8	8	8	8	8
142.5	8	8	8	8	8
145.0	8	8	8	8	7
147.5	8	7	8	8	8
150.0	7	7	7	7	7
152.5	7	7	7	7	7
155.0	7	7	7	7	7
157.5	7	7	7	7	7
160.0	7	7	7	7	7
162.5	6	6	7	7	6
165.0	6	6	6	6	6
167.5	6	6	6	6	6
170.0	6	6	6	6	6
172.5	5	5	5	5	5
175.0	5	5	5	5	5
177.5	3	3	3	5	5
180.0	3	3	3	3	3

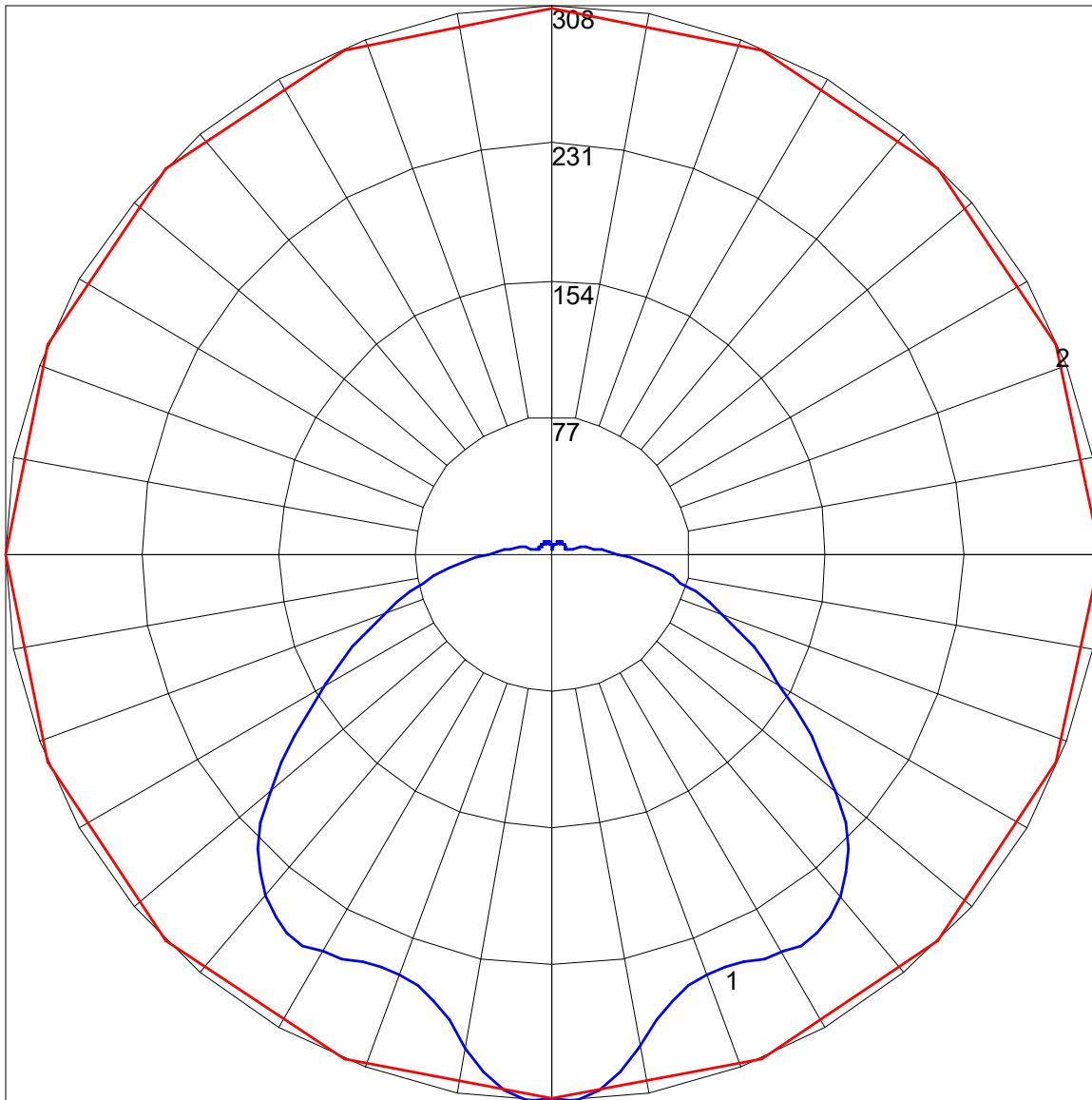
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

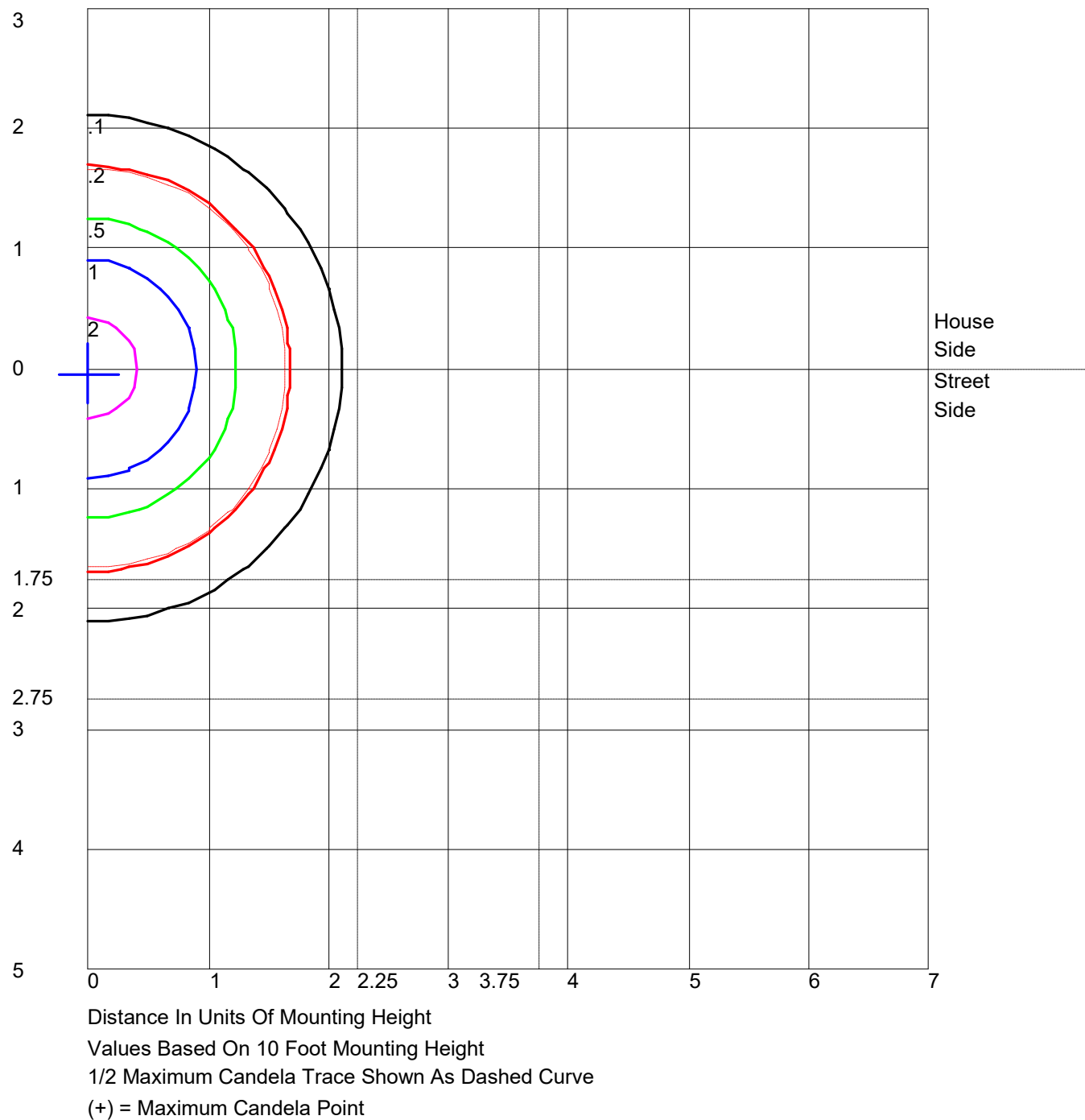
	Lumens	Percent Of Luminaire
Downward Street Side	496.4	46.4
Downward House Side	496.4	46.4
Downward Total	992.8	92.8
Upward Street Side	38.3	3.6
Upward House Side	38.3	3.6
Upward Total	76.6	7.2
Total Flux	1069.4	100.0

POLAR GRAPH

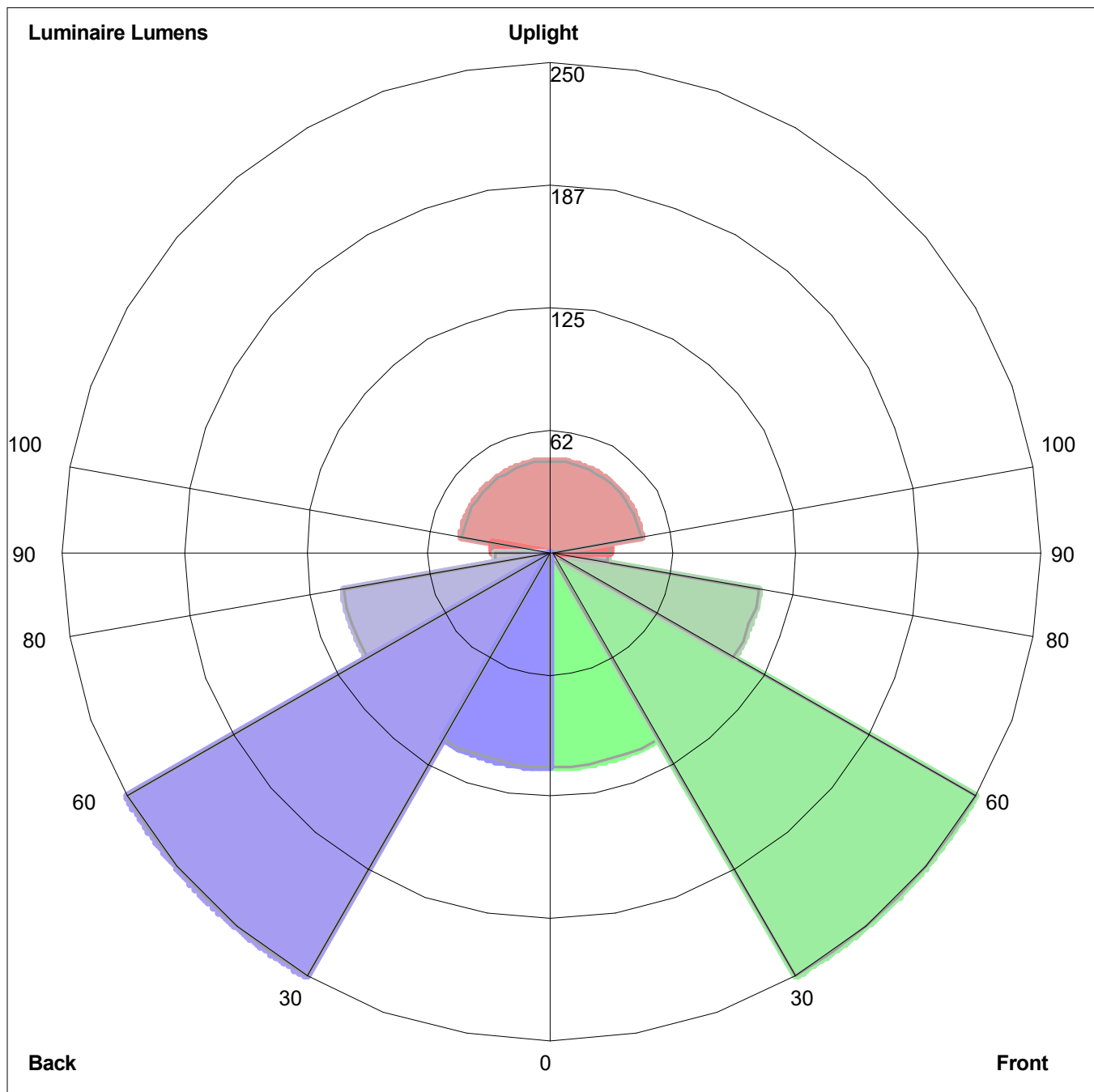


Maximum Candela = 308 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=110.0, Medium=249.6, High=107.8, Very High=29.0
Back: Low=110.0, Medium=249.6, High=107.8, Very High=29.0
Uplight: Low=30.3, High=46.3

BUG Rating : B1-U2-G1