



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-17L-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-716-17L-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	1459
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	421
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	421
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	51 (3.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	98 (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)	150.3	N.A.	10.3
FM - Front-Medium (30-60)	340.9	N.A.	23.4
FH - Front-High (60-80)	146.9	N.A.	10.1
FVH - Front-Very High (80-90)	39.6	N.A.	2.7
BL - Back-Low (0-30)	150.3	N.A.	10.3
BM - Back-Medium (30-60)	340.9	N.A.	23.4
BH - Back-High (60-80)	146.9	N.A.	10.1
BVH - Back-Very High (80-90)	39.6	N.A.	2.7
UL - Uplight-Low (90-100)	41.1	N.A.	2.8
UH - Uplight-High (100-180)	63.0	N.A.	4.3
Total	1459.5	N.A.	100.0
BUG Rating	B1-U3-G1		

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CANDELA TABULATION

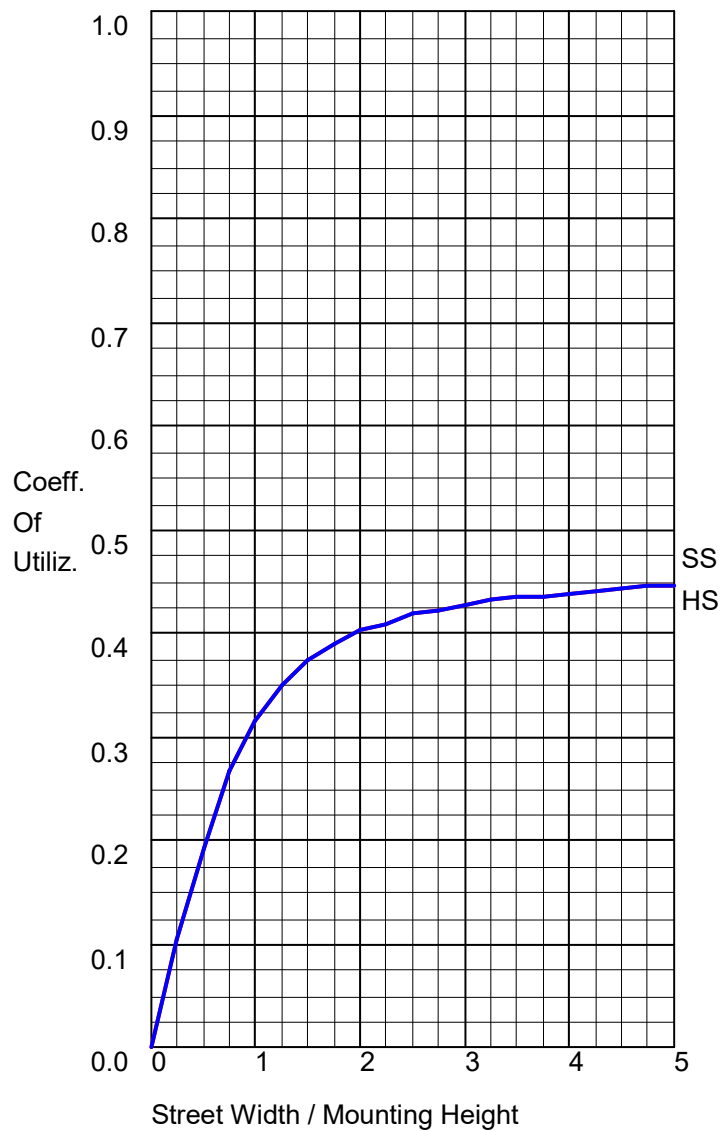
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	420	420	420	420	420
2.5	421	420	420	420	420
5.0	414	415	414	412	412
7.5	401	401	400	398	397
10.0	386	384	383	383	381
12.5	367	367	367	366	366
15.0	355	355	357	355	354
17.5	347	349	349	347	347
20.0	344	346	346	344	343
22.5	344	346	347	344	343
25.0	347	347	349	347	343
27.5	351	351	351	349	346
30.0	354	354	354	354	346
32.5	357	357	355	355	347
35.0	355	355	354	354	344
37.5	351	351	349	347	340
40.0	344	343	341	343	334
42.5	334	332	332	332	323
45.0	321	320	318	321	312
47.5	304	306	304	304	297
50.0	284	287	284	286	277
52.5	263	266	264	264	257
55.0	243	244	243	243	237
57.5	221	223	223	221	217
60.0	201	203	203	201	198
62.5	186	186	186	186	183
65.0	171	172	172	172	171
67.5	154	155	155	155	154
70.0	138	141	141	143	141
72.5	126	131	132	131	126
75.0	114	118	118	117	112
77.5	101	106	108	109	105
80.0	92	97	97	98	95
82.5	80	83	85	85	81
85.0	69	72	74	74	71
87.5	60	61	63	61	60
90.0	49	49	51	51	49
92.5	43	43	43	43	43
95.0	37	37	37	37	37
97.5	32	32	32	32	32
100.0	26	28	28	28	26
102.5	22	22	23	23	22
105.0	17	17	18	18	17
107.5	14	14	15	14	14
110.0	12	12	12	12	12
112.5	11	11	11	12	12
115.0	11	11	11	11	12
117.5	11	11	11	11	11
120.0	11	11	11	11	11
122.5	11	11	11	11	11
125.0	11	11	11	11	11
127.5	11	11	11	11	11
130.0	11	11	11	11	11

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CANDELA TABULATION - (Cont.)

132.5	11	11	11	11	11
135.0	11	11	11	11	11
137.5	11	11	11	11	11
140.0	11	11	11	11	11
142.5	11	11	11	11	11
145.0	11	11	11	11	9
147.5	11	9	11	11	11
150.0	9	9	9	9	9
152.5	9	9	9	9	9
155.0	9	9	9	9	9
157.5	9	9	9	9	9
160.0	9	9	9	9	9
162.5	8	8	9	9	8
165.0	8	8	8	8	8
167.5	8	8	8	8	8
170.0	8	8	8	8	8
172.5	6	6	6	6	6
175.0	6	6	6	6	6
177.5	5	5	5	6	6
180.0	5	5	5	5	5

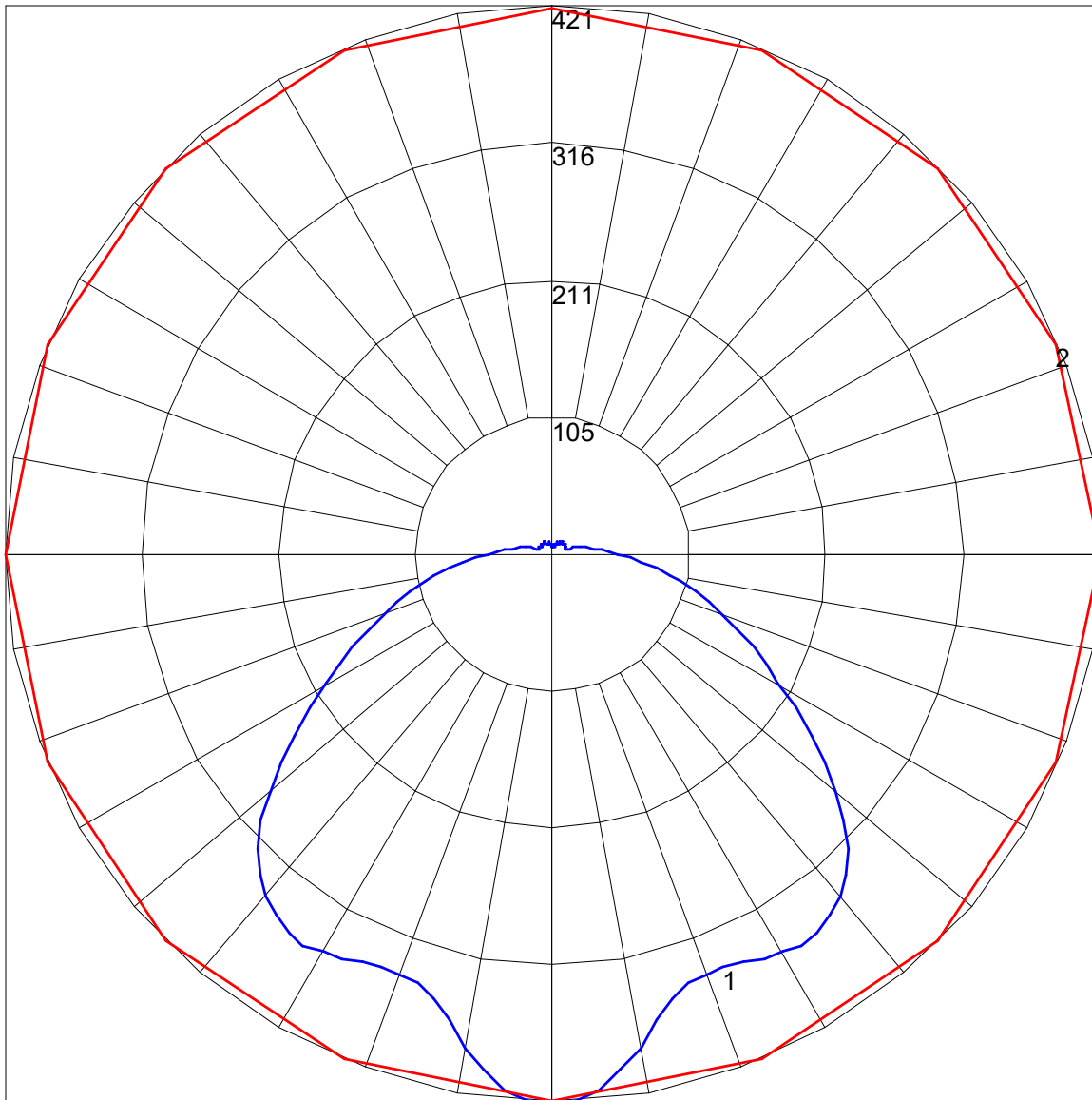
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

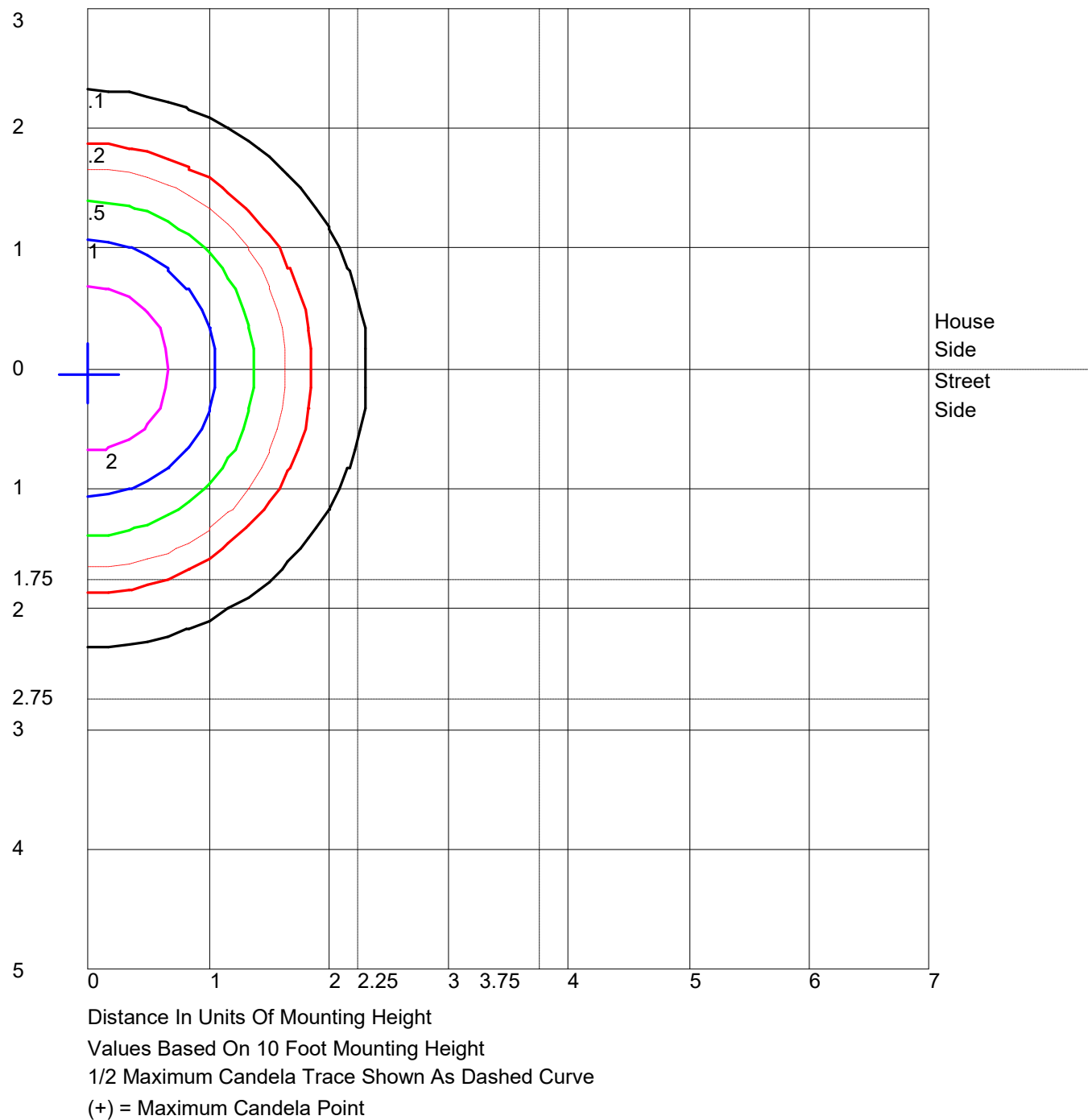
	Lumens	Percent Of Luminaire
Downward Street Side	677.7	46.4
Downward House Side	677.7	46.4
Downward Total	1355.4	92.9
Upward Street Side	52.1	3.6
Upward House Side	52.1	3.6
Upward Total	104.2	7.1
Total Flux	1459.6	100.0

POLAR GRAPH

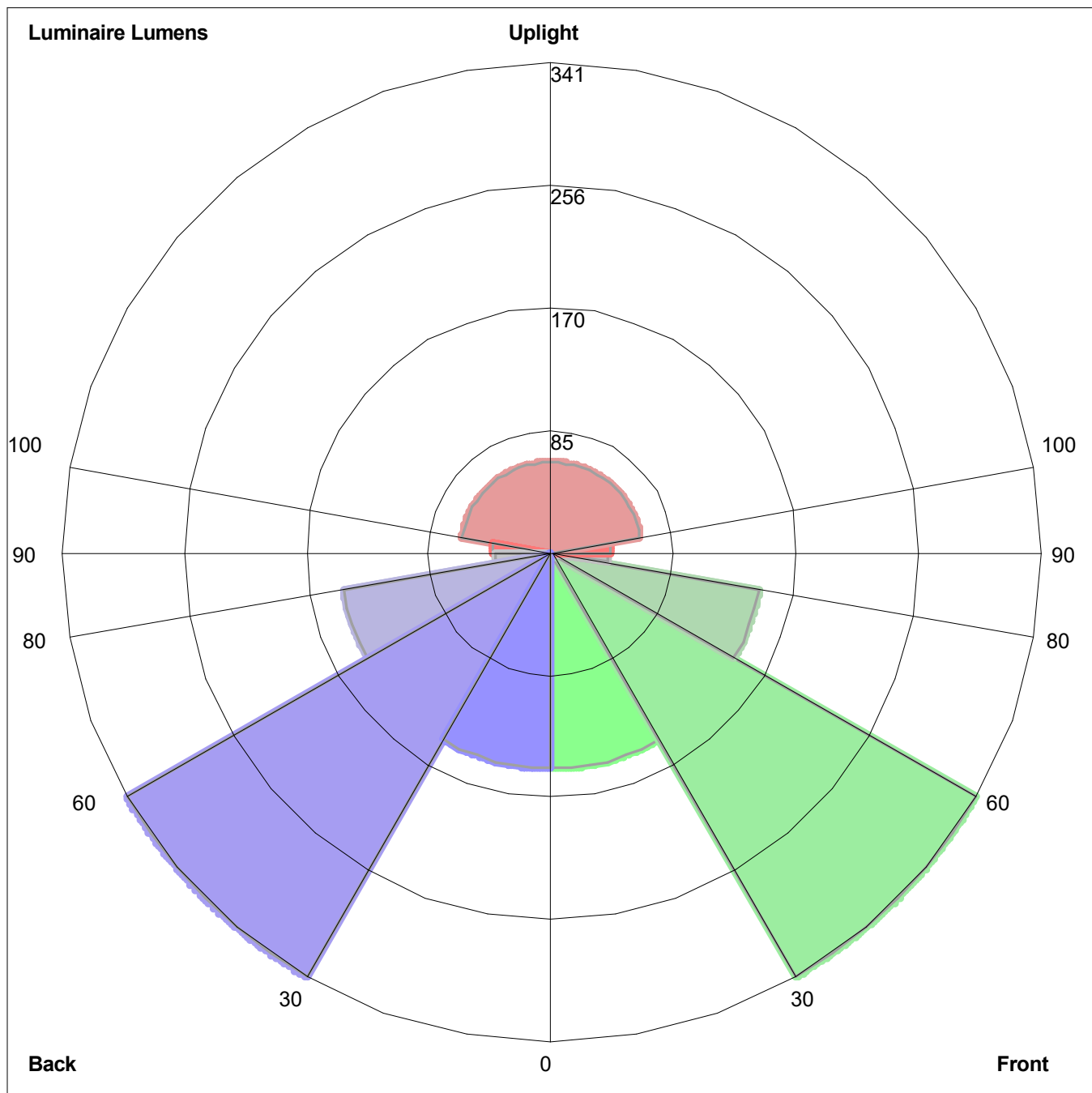


Maximum Candela = 421 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=150.3, Medium=340.9, High=146.9, Very High=39.6
Back: Low=150.3, Medium=340.9, High=146.9, Very High=39.6
Uplight: Low=41.1, High=63.0

BUG Rating : B1-U3-G1