



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-15L-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-716-15L-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	1291
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	10.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	372
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	372
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	45 (3.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	87 (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)	132.9	N.A.	10.3
FM - Front-Medium (30-60)	301.5	N.A.	23.3
FH - Front-High (60-80)	129.9	N.A.	10.1
FVH - Front-Very High (80-90)	35.0	N.A.	2.7
BL - Back-Low (0-30)	132.9	N.A.	10.3
BM - Back-Medium (30-60)	301.5	N.A.	23.3
BH - Back-High (60-80)	129.9	N.A.	10.1
BVH - Back-Very High (80-90)	35.0	N.A.	2.7
UL - Uplight-Low (90-100)	36.5	N.A.	2.8
UH - Uplight-High (100-180)	56.4	N.A.	4.4
Total	1291.5	N.A.	100.0
BUG Rating	B1-U3-G1		

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CANDELA TABULATION

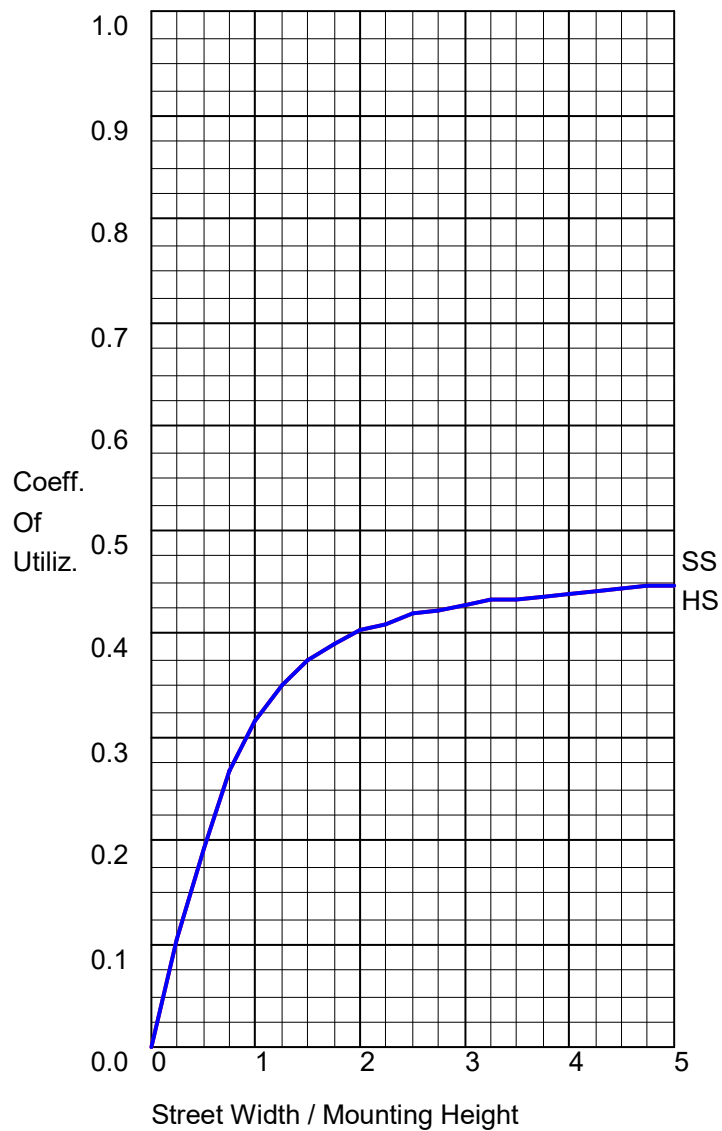
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	371	371	371	371	371
2.5	372	371	371	371	371
5.0	366	367	366	364	364
7.5	355	355	353	352	351
10.0	341	340	338	338	337
12.5	325	325	325	324	324
15.0	314	314	315	314	313
17.5	307	309	309	307	307
20.0	304	306	306	304	303
22.5	304	306	307	304	303
25.0	307	307	309	307	303
27.5	310	310	310	309	306
30.0	313	313	313	313	306
32.5	315	315	314	314	307
35.0	314	314	313	313	304
37.5	310	310	309	307	300
40.0	304	303	302	303	295
42.5	295	294	294	294	285
45.0	284	283	281	284	276
47.5	269	271	269	269	262
50.0	251	254	251	253	245
52.5	232	235	234	234	227
55.0	215	216	215	215	209
57.5	196	197	197	196	192
60.0	178	179	179	178	175
62.5	164	164	164	164	162
65.0	151	152	152	152	151
67.5	136	137	137	137	136
70.0	122	125	125	126	125
72.5	111	116	117	116	111
75.0	101	105	105	103	99
77.5	90	94	95	97	92
80.0	82	86	86	87	84
82.5	71	73	75	75	72
85.0	61	64	65	65	63
87.5	53	54	56	54	53
90.0	43	43	45	45	43
92.5	38	38	38	38	38
95.0	33	33	33	33	33
97.5	29	29	29	29	29
100.0	23	24	24	24	23
102.5	19	19	20	20	19
105.0	15	15	16	16	15
107.5	12	12	14	12	12
110.0	11	11	11	11	11
112.5	10	10	10	11	11
115.0	10	10	10	10	11
117.5	10	10	10	10	10
120.0	10	10	10	10	10
122.5	10	10	10	10	10
125.0	10	10	10	10	10
127.5	10	10	10	10	10
130.0	10	10	10	10	10

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CANDELA TABULATION - (Cont.)

132.5	10	10	10	10	10
135.0	10	10	10	10	10
137.5	10	10	10	10	10
140.0	10	10	10	10	10
142.5	10	10	10	10	10
145.0	10	10	10	10	8
147.5	10	8	10	10	10
150.0	8	8	8	8	8
152.5	8	8	8	8	8
155.0	8	8	8	8	8
157.5	8	8	8	8	8
160.0	8	8	8	8	8
162.5	7	7	8	8	7
165.0	7	7	7	7	7
167.5	7	7	7	7	7
170.0	7	7	7	7	7
172.5	5	5	5	5	5
175.0	5	5	5	5	5
177.5	4	4	4	5	5
180.0	4	4	4	4	4

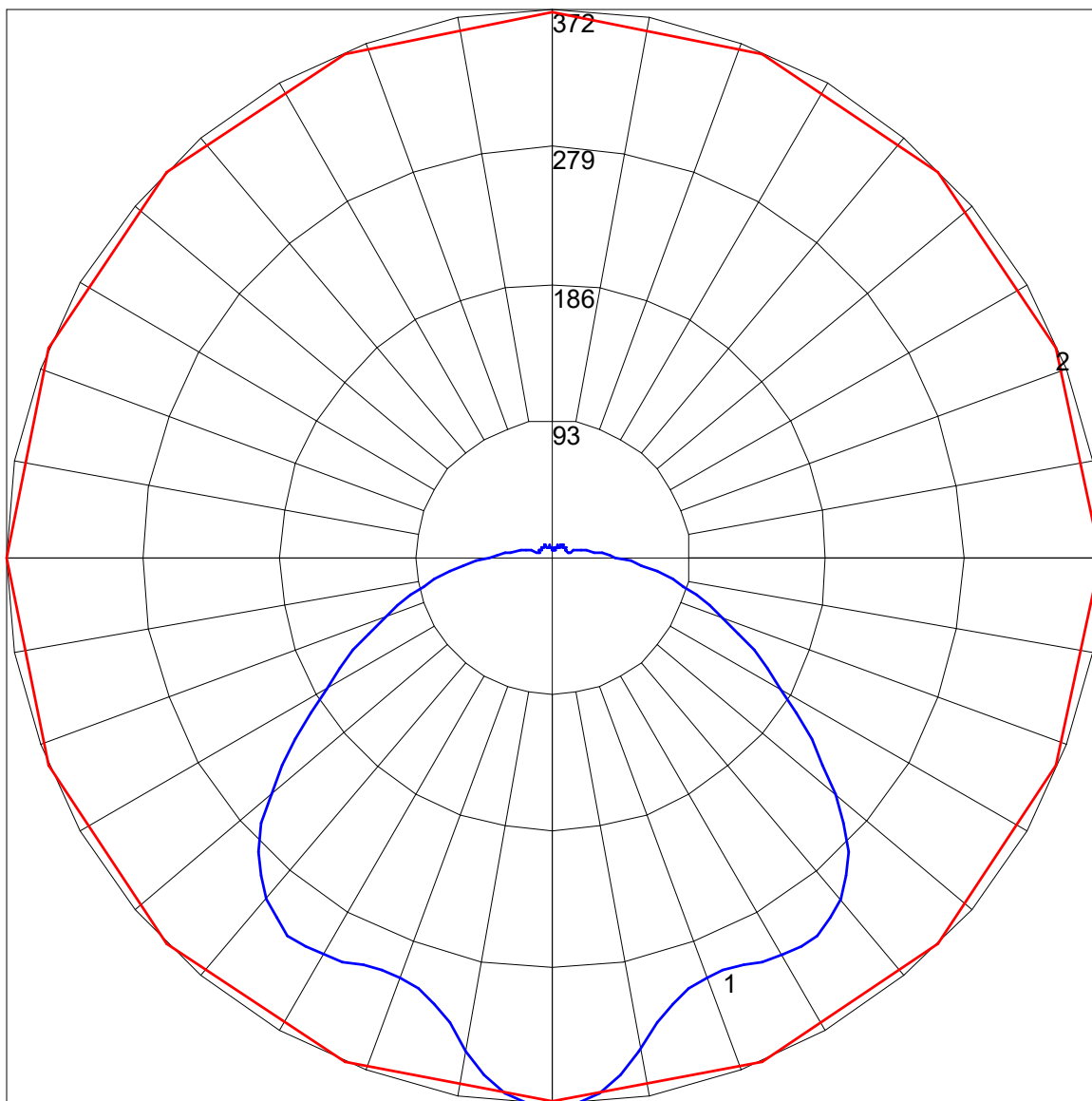
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

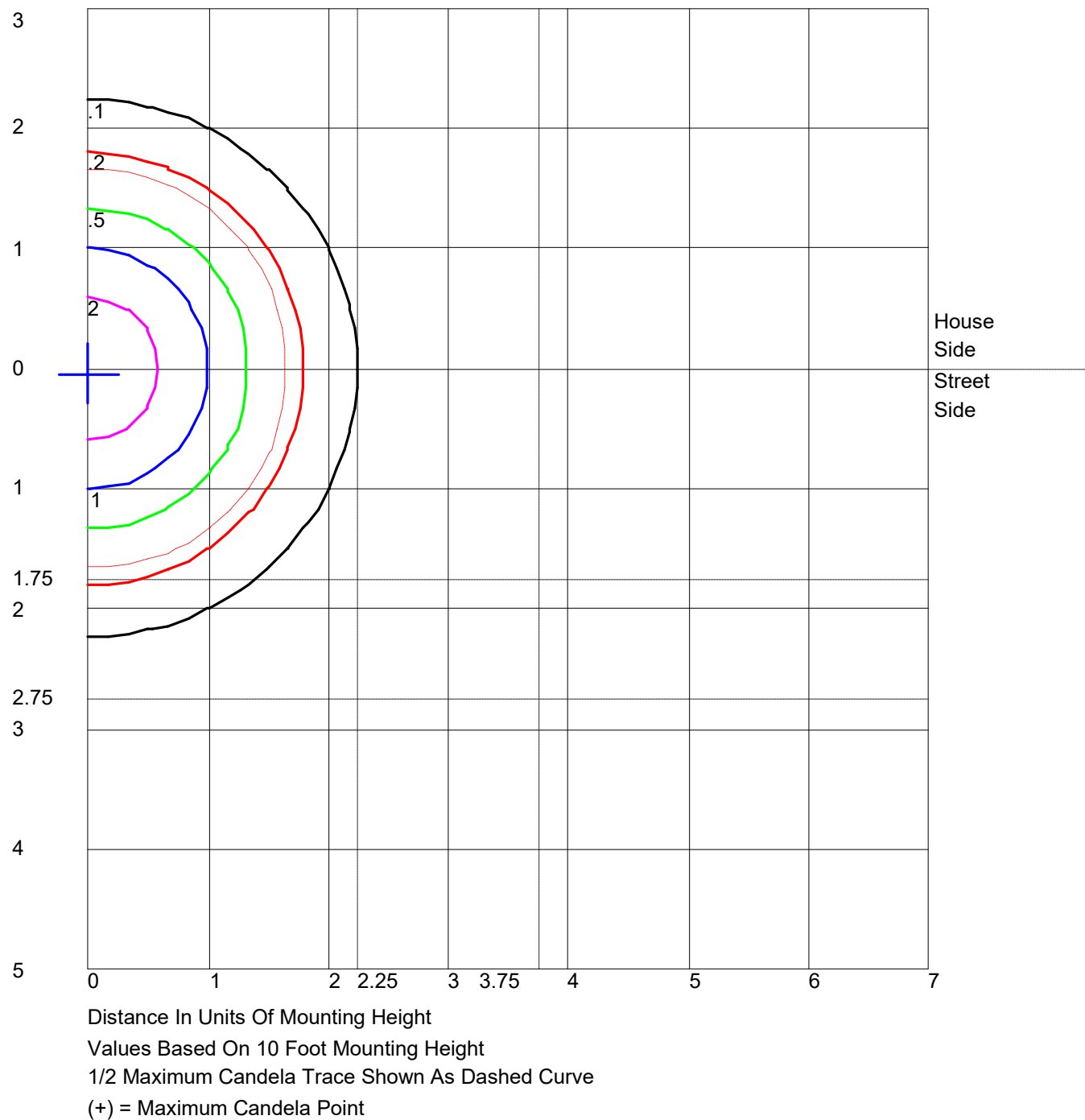
	Lumens	Percent Of Luminaire
Downward Street Side	599.3	46.4
Downward House Side	599.3	46.4
Downward Total	1198.6	92.8
Upward Street Side	46.5	3.6
Upward House Side	46.5	3.6
Upward Total	93.0	7.2
Total Flux	1291.6	100.0

POLAR GRAPH

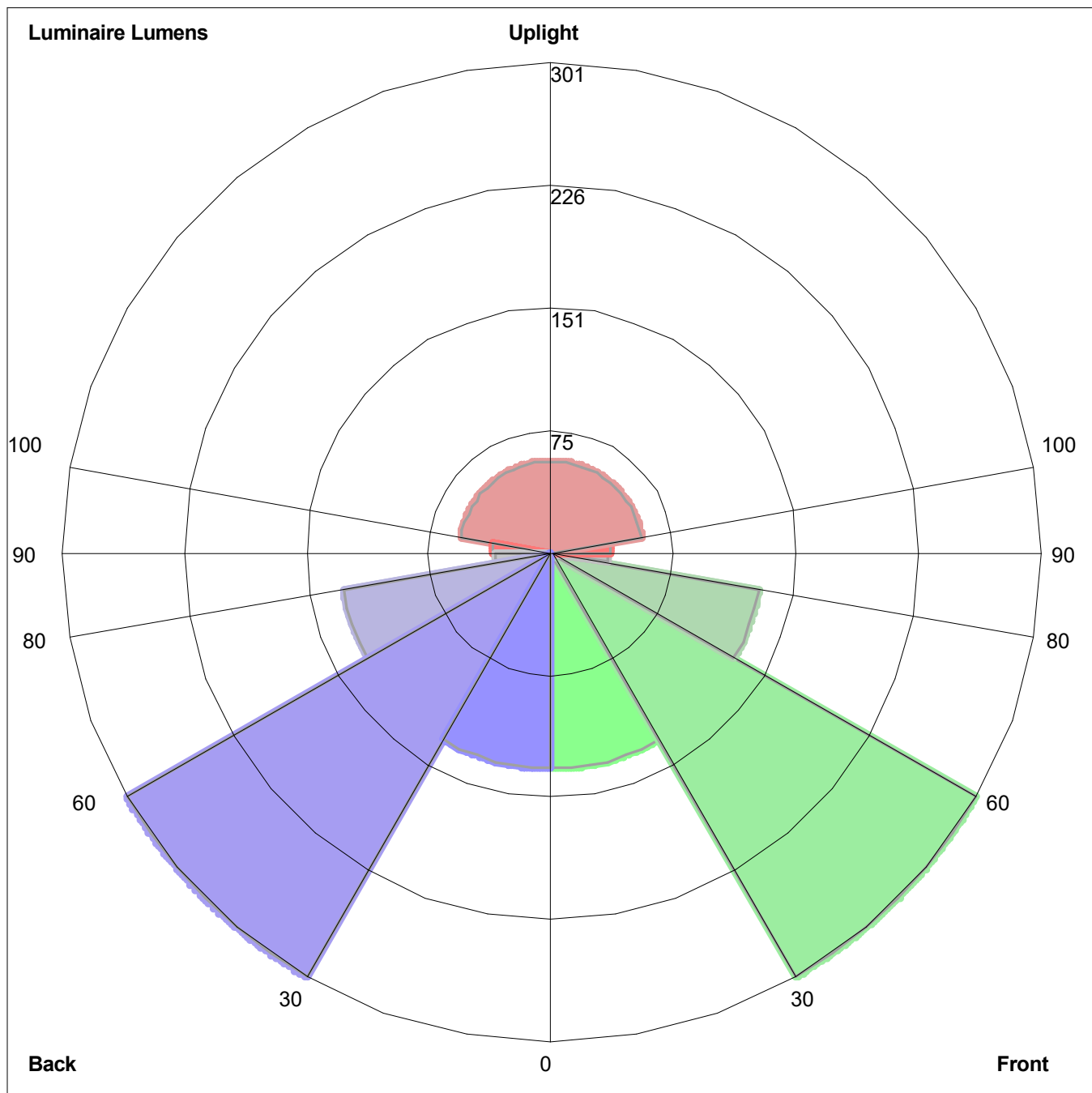


Maximum Candela = 372 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=132.9, Medium=301.5, High=129.9, Very High=35.0
Back: Low=132.9, Medium=301.5, High=129.9, Very High=35.0
Uplight: Low=36.5, High=56.4

BUG Rating : B1-U3-G1