



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-17L-40-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
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMCAT] FAL-716-17L-40-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	1299
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	374
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	374
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)	133.7	N.A.	10.3
FM - Front-Medium (30-60)	303.1	N.A.	23.3
FH - Front-High (60-80)	130.6	N.A.	10.1
FVH - Front-Very High (80-90)	35.2	N.A.	2.7
BL - Back-Low (0-30)	133.7	N.A.	10.3
BM - Back-Medium (30-60)	303.1	N.A.	23.3
BH - Back-High (60-80)	130.6	N.A.	10.1
BVH - Back-Very High (80-90)	35.2	N.A.	2.7
UL - Uplight-Low (90-100)	36.7	N.A.	2.8
UH - Uplight-High (100-180)	56.6	N.A.	4.4
Total	1298.5	N.A.	100.0
BUG Rating	B1-U3-G1		

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CANDELA TABULATION

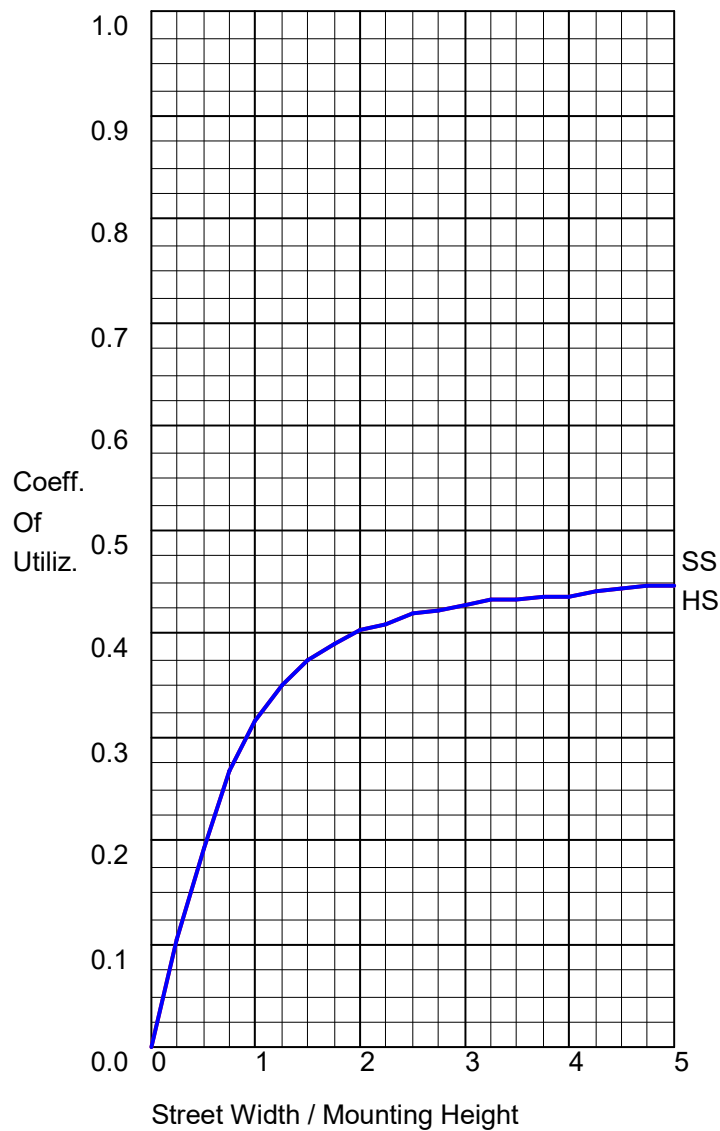
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	373	373	373	373	373
2.5	374	373	373	373	373
5.0	368	369	368	366	366
7.5	357	357	355	354	353
10.0	343	342	340	340	339
12.5	327	327	327	325	325
15.0	316	316	317	316	314
17.5	309	310	310	309	309
20.0	306	308	308	306	305
22.5	306	308	309	306	305
25.0	309	309	310	309	305
27.5	312	312	312	310	308
30.0	314	314	314	314	308
32.5	317	317	316	316	309
35.0	316	316	314	314	306
37.5	312	312	310	309	302
40.0	306	305	303	305	297
42.5	297	295	295	295	287
45.0	286	284	283	286	277
47.5	271	272	271	271	264
50.0	253	256	253	254	246
52.5	234	236	235	235	228
55.0	216	217	216	216	210
57.5	197	198	198	197	193
60.0	179	180	180	179	176
62.5	165	165	165	165	163
65.0	152	153	153	153	152
67.5	137	138	138	138	137
70.0	123	126	126	127	126
72.5	112	116	118	116	112
75.0	101	105	105	104	100
77.5	90	94	96	97	93
80.0	82	86	86	87	85
82.5	71	74	75	75	72
85.0	62	64	66	66	63
87.5	53	55	56	55	53
90.0	44	44	45	45	44
92.5	38	38	38	38	38
95.0	33	33	33	33	33
97.5	29	29	29	29	29
100.0	23	25	25	25	23
102.5	19	19	21	21	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

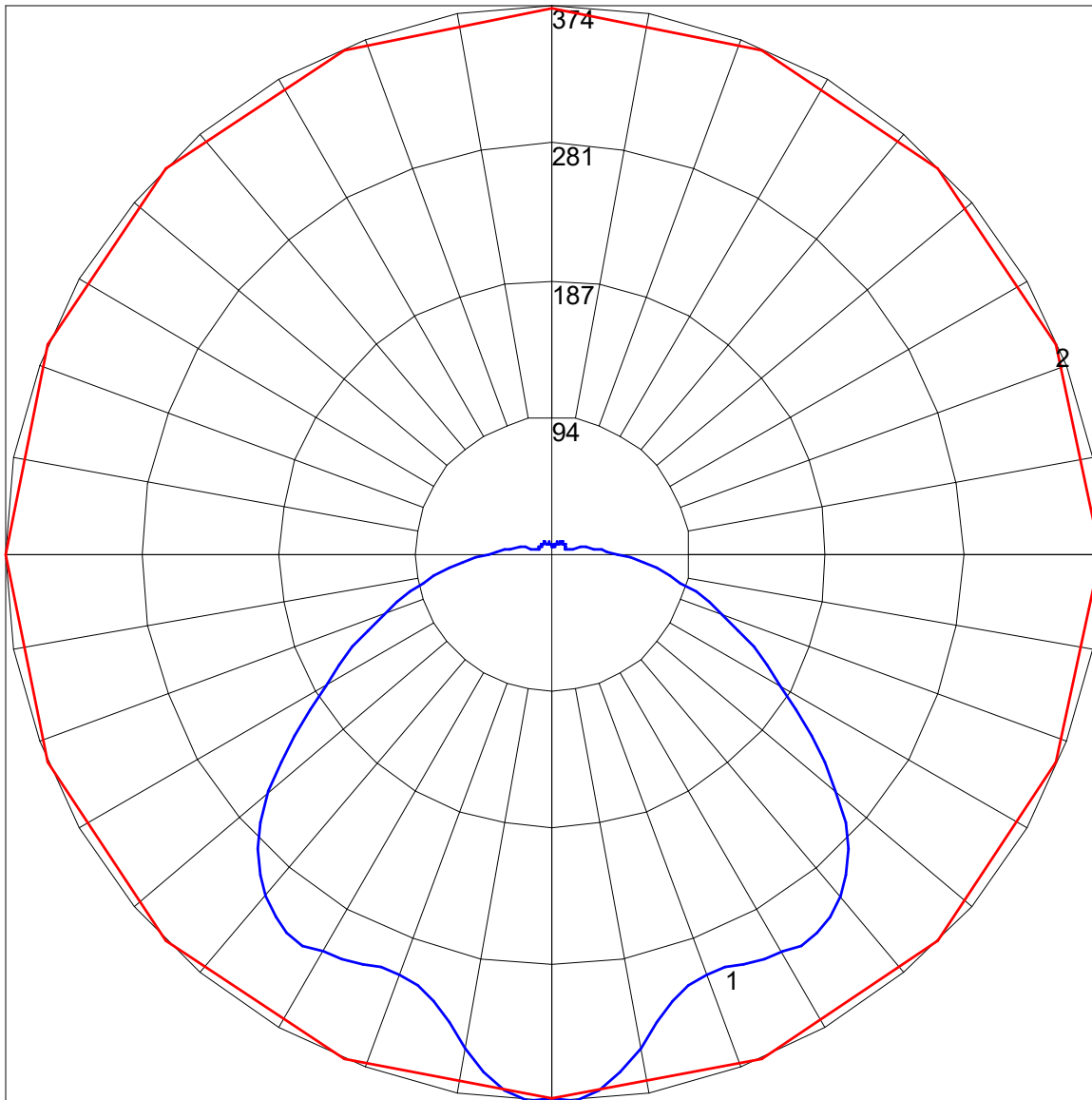
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

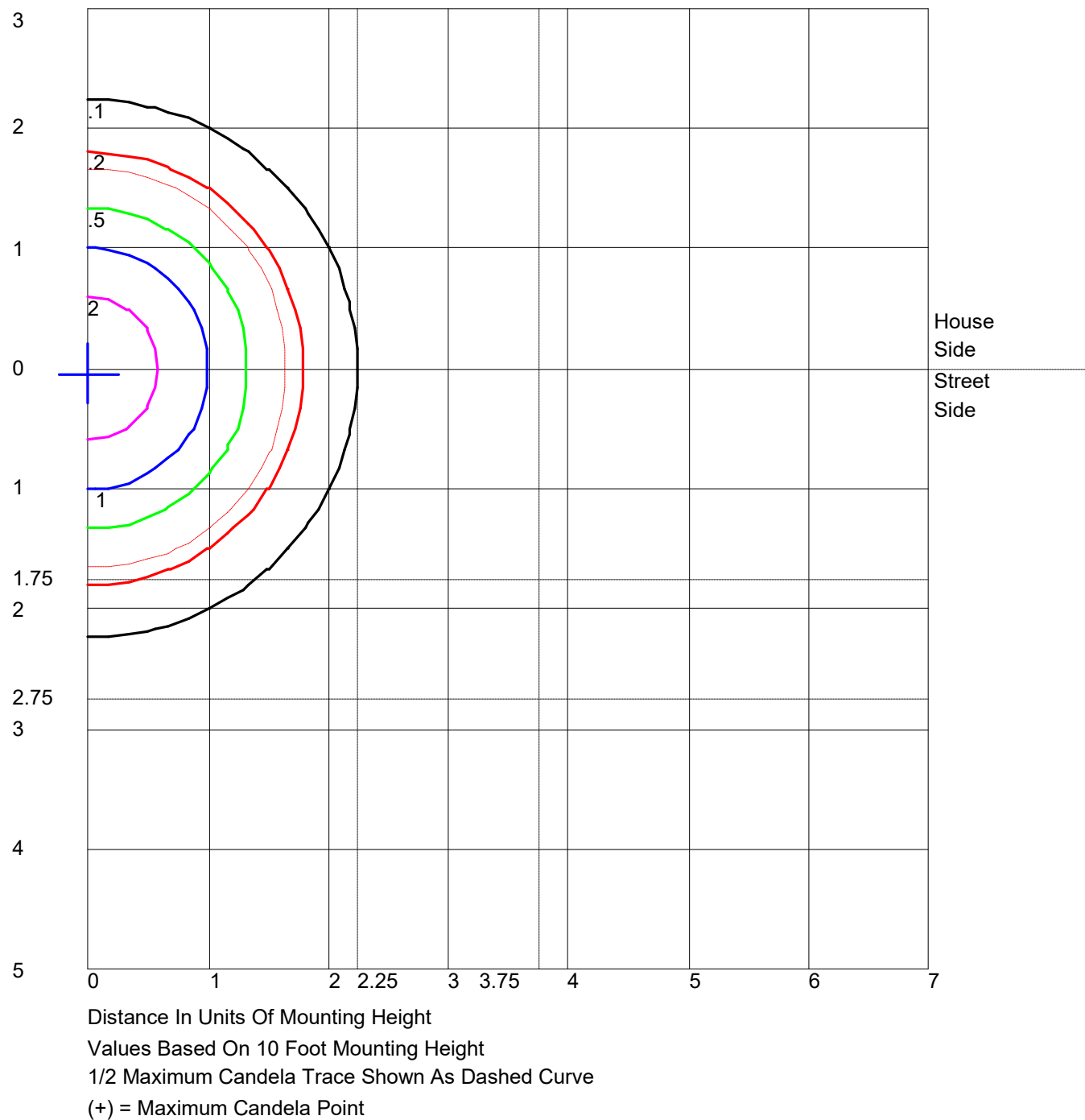
	Lumens	Percent Of Luminaire
Downward Street Side	602.6	46.4
Downward House Side	602.6	46.4
Downward Total	1205.2	92.8
Upward Street Side	46.7	3.6
Upward House Side	46.7	3.6
Upward Total	93.4	7.2
Total Flux	1298.6	100.0

POLAR GRAPH

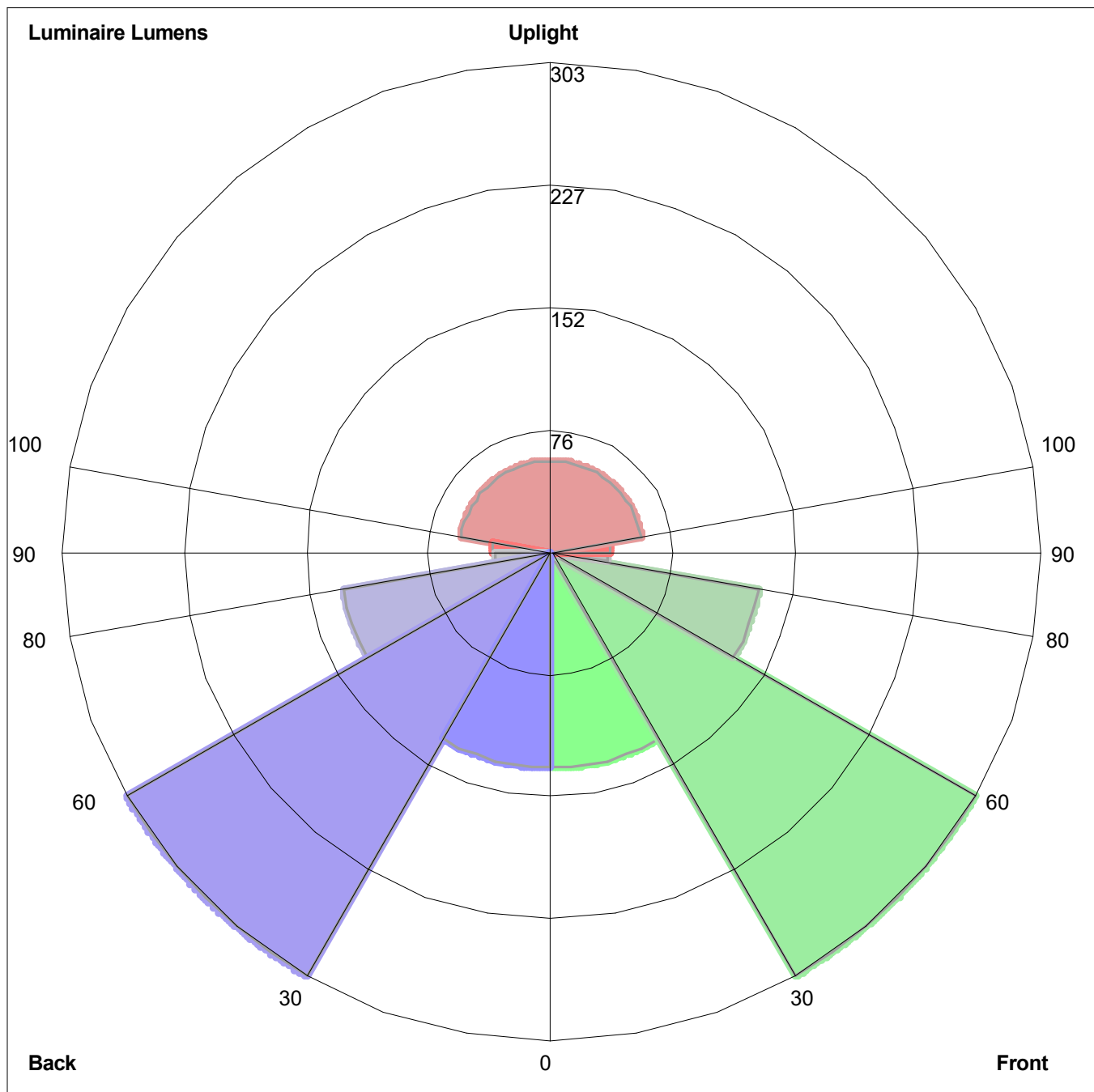


Maximum Candela = 374 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=133.7, Medium=303.1, High=130.6, Very High=35.2
Back: Low=133.7, Medium=303.1, High=130.6, Very High=35.2
Uplight: Low=36.7, High=56.6

BUG Rating : B1-U3-G1