



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-17L-27-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-27-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	1312
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	379
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	379
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	46 (3.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	88 (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)	135.1	N.A.	10.3
FM - Front-Medium (30-60)	306.4	N.A.	23.4
FH - Front-High (60-80)	132.0	N.A.	10.1
FVH - Front-Very High (80-90)	35.6	N.A.	2.7
BL - Back-Low (0-30)	135.1	N.A.	10.3
BM - Back-Medium (30-60)	306.4	N.A.	23.4
BH - Back-High (60-80)	132.0	N.A.	10.1
BVH - Back-Very High (80-90)	35.6	N.A.	2.7
UL - Uplight-Low (90-100)	37.1	N.A.	2.8
UH - Uplight-High (100-180)	56.8	N.A.	4.3
Total	1312.1	N.A.	100.0
BUG Rating	B1-U3-G1		

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CANDELA TABULATION

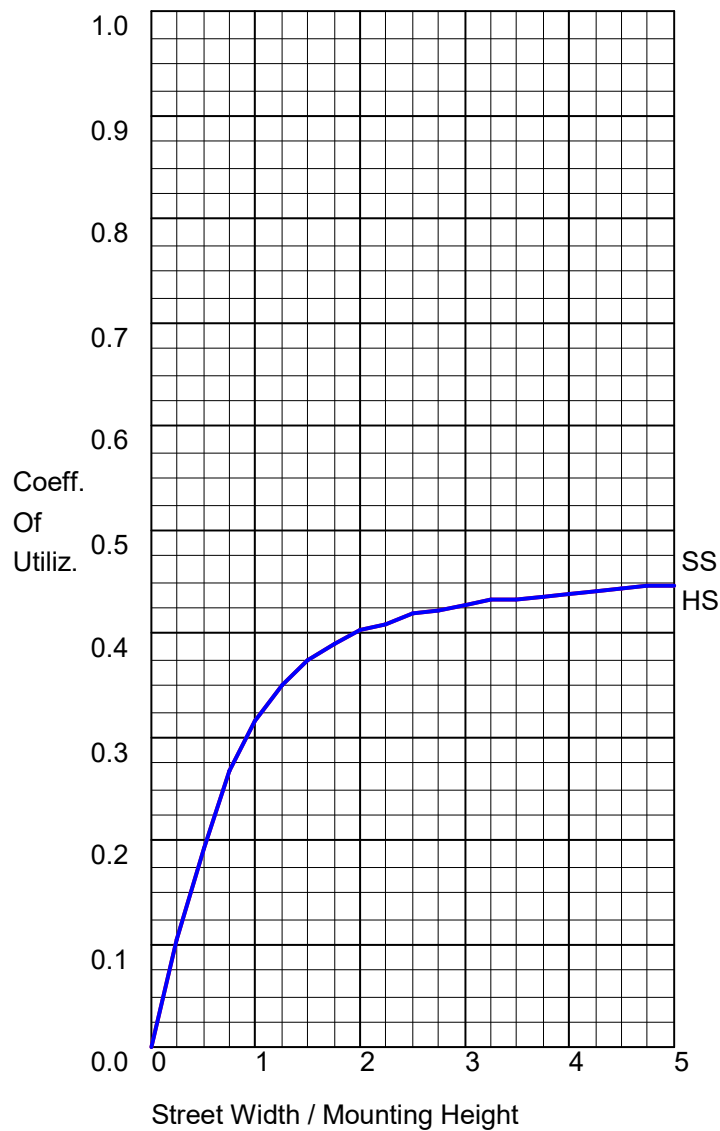
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	377	377	377	377	377
2.5	379	377	377	377	377
5.0	372	373	372	370	370
7.5	361	361	359	358	356
10.0	347	345	344	344	343
12.5	330	330	330	329	329
15.0	319	319	320	319	318
17.5	312	314	314	312	312
20.0	309	311	311	309	308
22.5	309	311	312	309	308
25.0	312	312	314	312	308
27.5	315	315	315	314	311
30.0	318	318	318	318	311
32.5	320	320	319	319	312
35.0	319	319	318	318	309
37.5	315	315	314	312	305
40.0	309	308	307	308	300
42.5	300	298	298	298	290
45.0	289	287	286	289	280
47.5	274	275	274	274	267
50.0	256	258	256	257	249
52.5	236	239	238	238	231
55.0	218	220	218	218	213
57.5	199	200	200	199	195
60.0	181	182	182	181	178
62.5	167	167	167	167	164
65.0	153	155	155	155	153
67.5	138	140	140	140	138
70.0	124	127	127	128	127
72.5	113	117	119	117	113
75.0	102	106	106	105	101
77.5	91	95	97	98	94
80.0	83	87	87	88	86
82.5	72	75	76	76	73
85.0	62	65	66	66	64
87.5	54	55	57	55	54
90.0	44	44	46	46	44
92.5	39	39	39	39	39
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	17	17	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	6	6	6	6	6
175.0	6	6	6	6	6
177.5	4	4	4	6	6
180.0	4	4	4	4	4

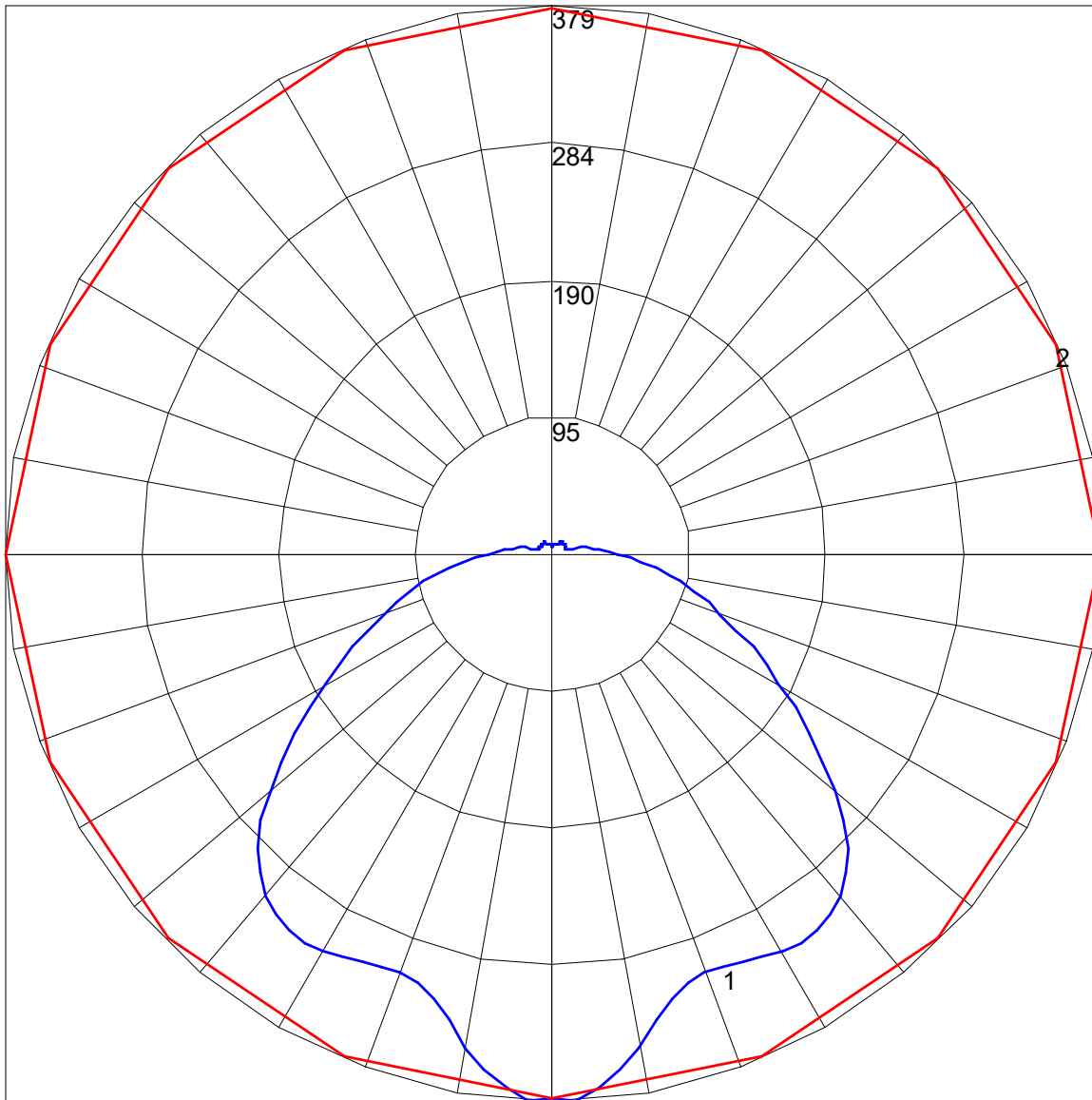
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

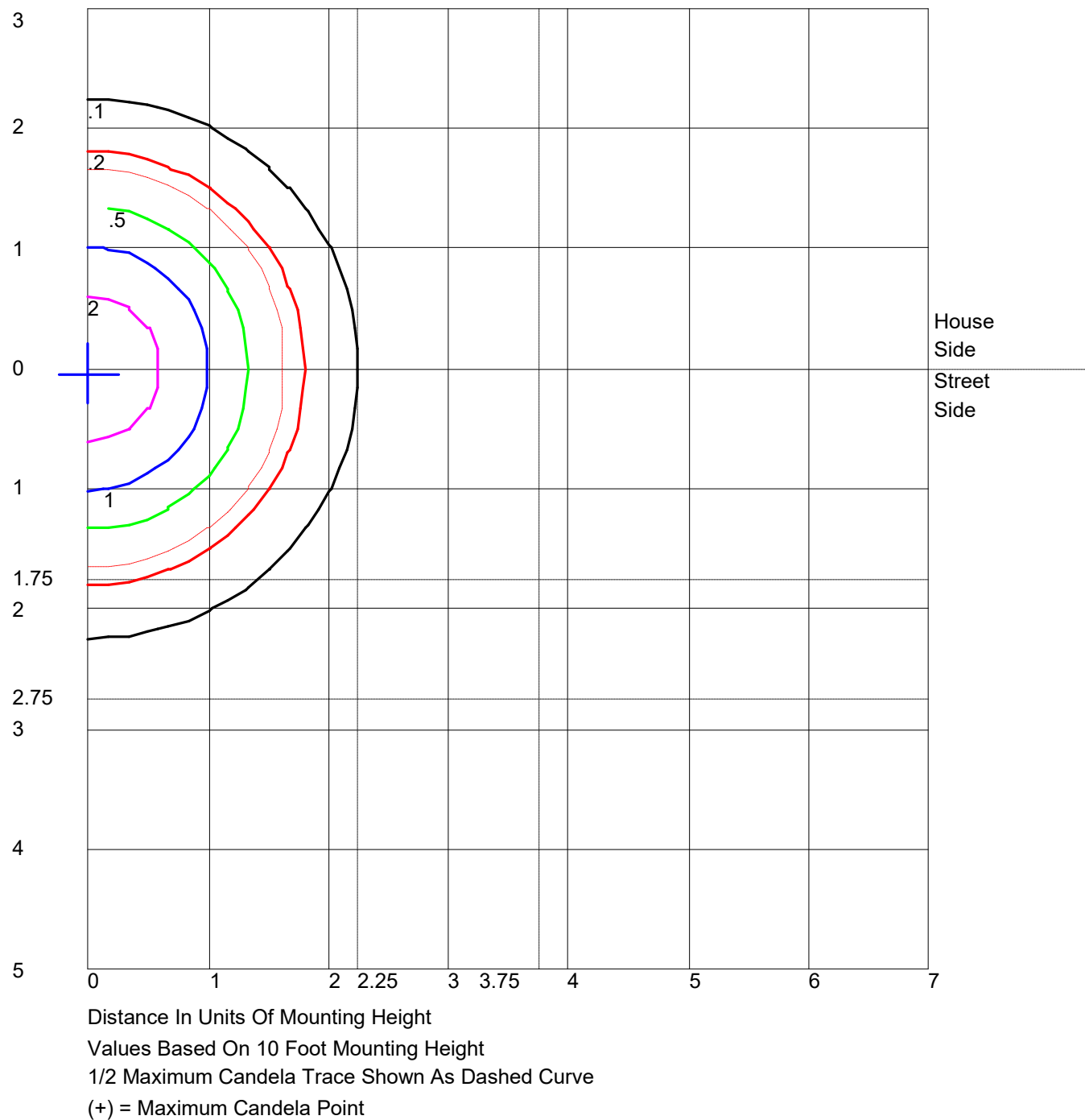
	Lumens	Percent Of Luminaire
Downward Street Side	609.0	46.4
Downward House Side	609.0	46.4
Downward Total	1218.0	92.8
Upward Street Side	46.9	3.6
Upward House Side	46.9	3.6
Upward Total	93.8	7.1
Total Flux	1311.8	100.0

POLAR GRAPH

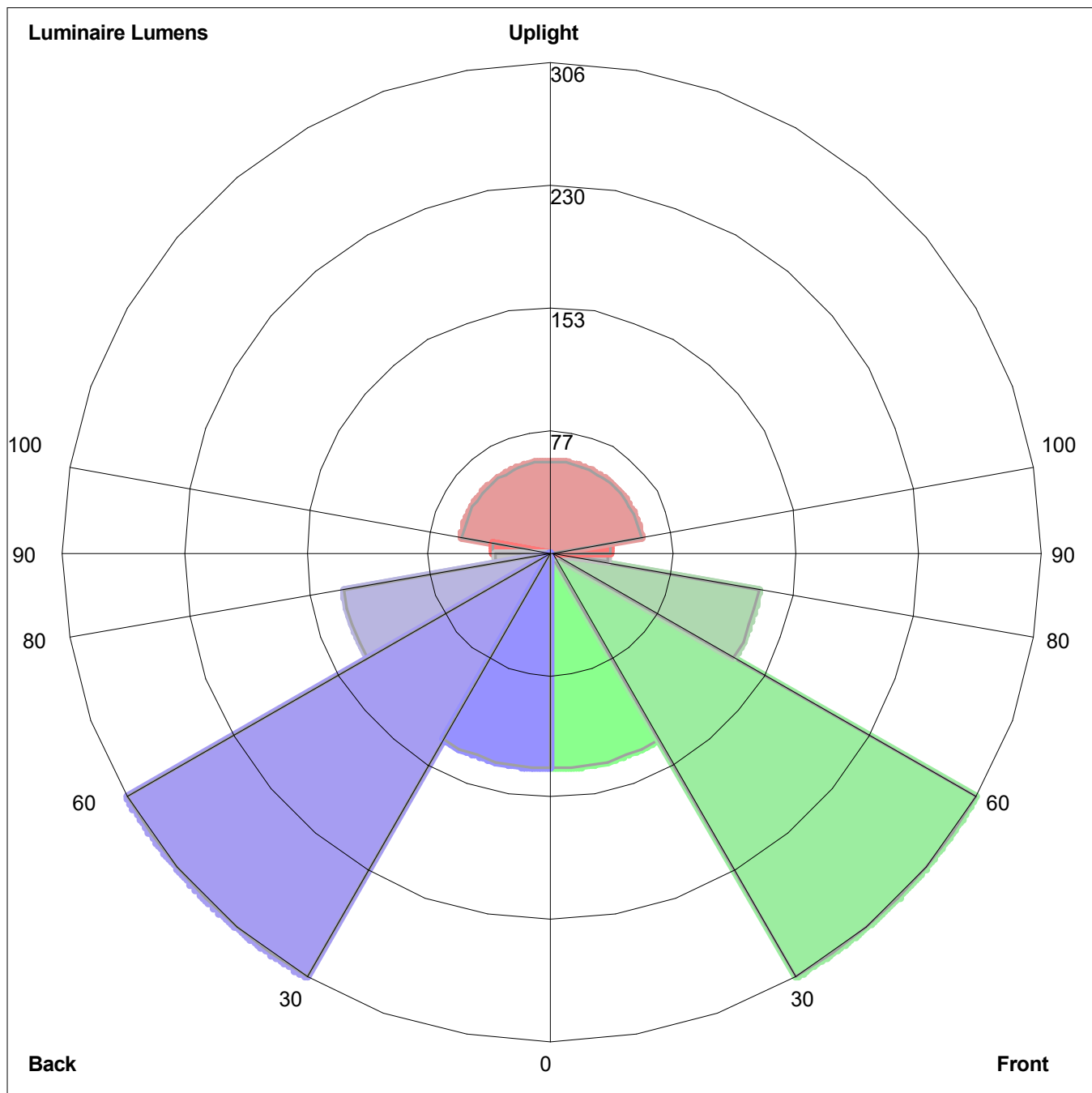


Maximum Candela = 379 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=135.1, Medium=306.4, High=132.0, Very High=35.6
Back: Low=135.1, Medium=306.4, High=132.0, Very High=35.6
Uplight: Low=37.1, High=56.8

BUG Rating : B1-U3-G1