



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-12L-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-716-12L-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	960
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	277
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	277
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	33 (3.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	65 (6.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	99.0	N.A.	10.3
FM - Front-Medium (30-60)	224.5	N.A.	23.4
FH - Front-High (60-80)	96.7	N.A.	10.1
FVH - Front-Very High (80-90)	26.1	N.A.	2.7
BL - Back-Low (0-30)	99.0	N.A.	10.3
BM - Back-Medium (30-60)	224.5	N.A.	23.4
BH - Back-High (60-80)	96.7	N.A.	10.1
BVH - Back-Very High (80-90)	26.1	N.A.	2.7
UL - Uplight-Low (90-100)	26.8	N.A.	2.8
UH - Uplight-High (100-180)	40.6	N.A.	4.2
Total	960.0	N.A.	100.0
BUG Rating	B1-U2-G1		

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CANDELA TABULATION

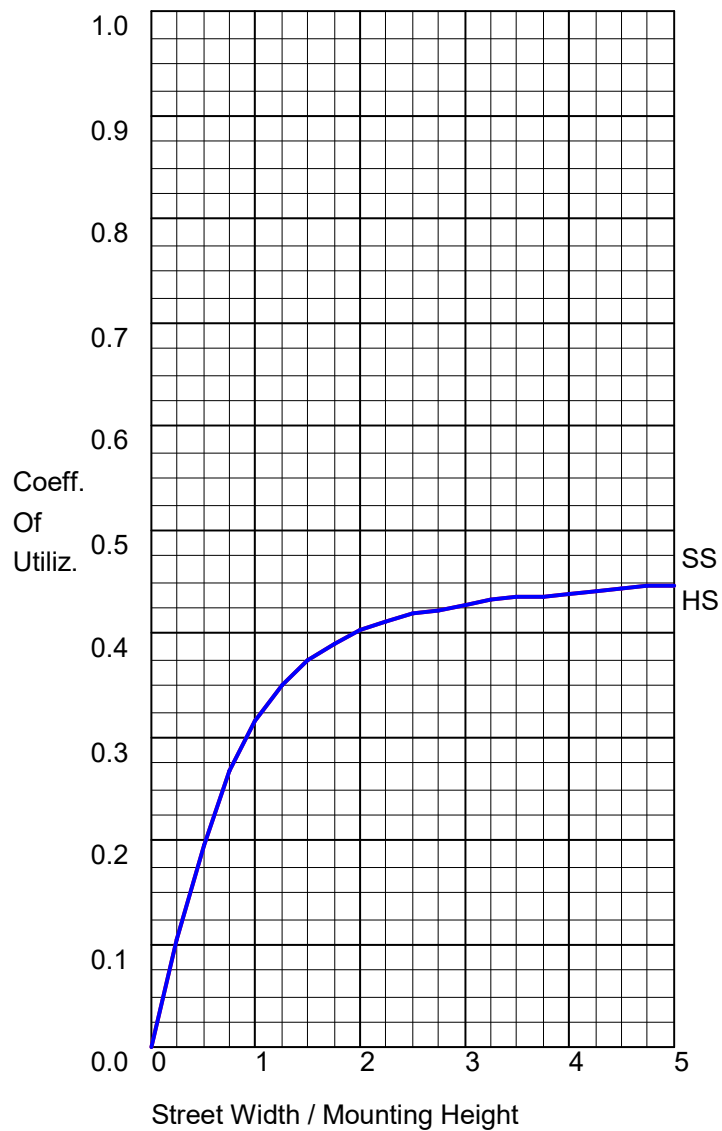
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	276	276	276	276	276
2.5	277	276	276	276	276
5.0	272	273	272	271	271
7.5	264	264	263	262	261
10.0	254	253	252	252	251
12.5	242	242	242	241	241
15.0	234	234	235	234	233
17.5	229	230	230	229	229
20.0	227	228	228	227	226
22.5	227	228	229	227	226
25.0	229	229	230	229	226
27.5	231	231	231	230	228
30.0	233	233	233	233	228
32.5	235	235	234	234	229
35.0	234	234	233	233	227
37.5	231	231	230	229	224
40.0	227	226	225	226	220
42.5	220	219	219	219	212
45.0	211	210	209	211	205
47.5	200	201	200	200	195
50.0	187	189	187	188	182
52.5	173	175	174	174	169
55.0	160	161	160	160	156
57.5	146	147	147	146	143
60.0	133	134	134	133	130
62.5	122	122	122	122	120
65.0	112	113	113	113	112
67.5	101	102	102	102	101
70.0	91	93	93	94	93
72.5	83	86	87	86	83
75.0	75	78	78	77	74
77.5	67	70	71	72	69
80.0	61	64	64	65	63
82.5	53	55	56	56	54
85.0	46	48	49	49	47
87.5	39	40	41	40	39
90.0	32	32	33	33	32
92.5	28	28	28	28	28
95.0	24	24	24	24	24
97.5	21	21	21	21	21
100.0	17	18	18	18	17
102.5	14	14	15	15	14
105.0	11	11	12	12	11
107.5	9	9	10	9	9
110.0	8	8	8	8	8
112.5	7	7	7	8	8
115.0	7	7	7	7	8
117.5	7	7	7	7	7
120.0	7	7	7	7	7
122.5	7	7	7	7	7
125.0	7	7	7	7	7
127.5	7	7	7	7	7
130.0	7	7	7	7	7

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CANDELA TABULATION - (Cont.)

132.5	7	7	7	7	7
135.0	7	7	7	7	7
137.5	7	7	7	7	7
140.0	7	7	7	7	7
142.5	7	7	7	7	7
145.0	7	7	7	7	6
147.5	7	6	7	7	7
150.0	6	6	6	6	6
152.5	6	6	6	6	6
155.0	6	6	6	6	6
157.5	6	6	6	6	6
160.0	6	6	6	6	6
162.5	5	5	6	6	5
165.0	5	5	5	5	5
167.5	5	5	5	5	5
170.0	5	5	5	5	5
172.5	4	4	4	4	4
175.0	4	4	4	4	4
177.5	3	3	3	4	4
180.0	3	3	3	3	3

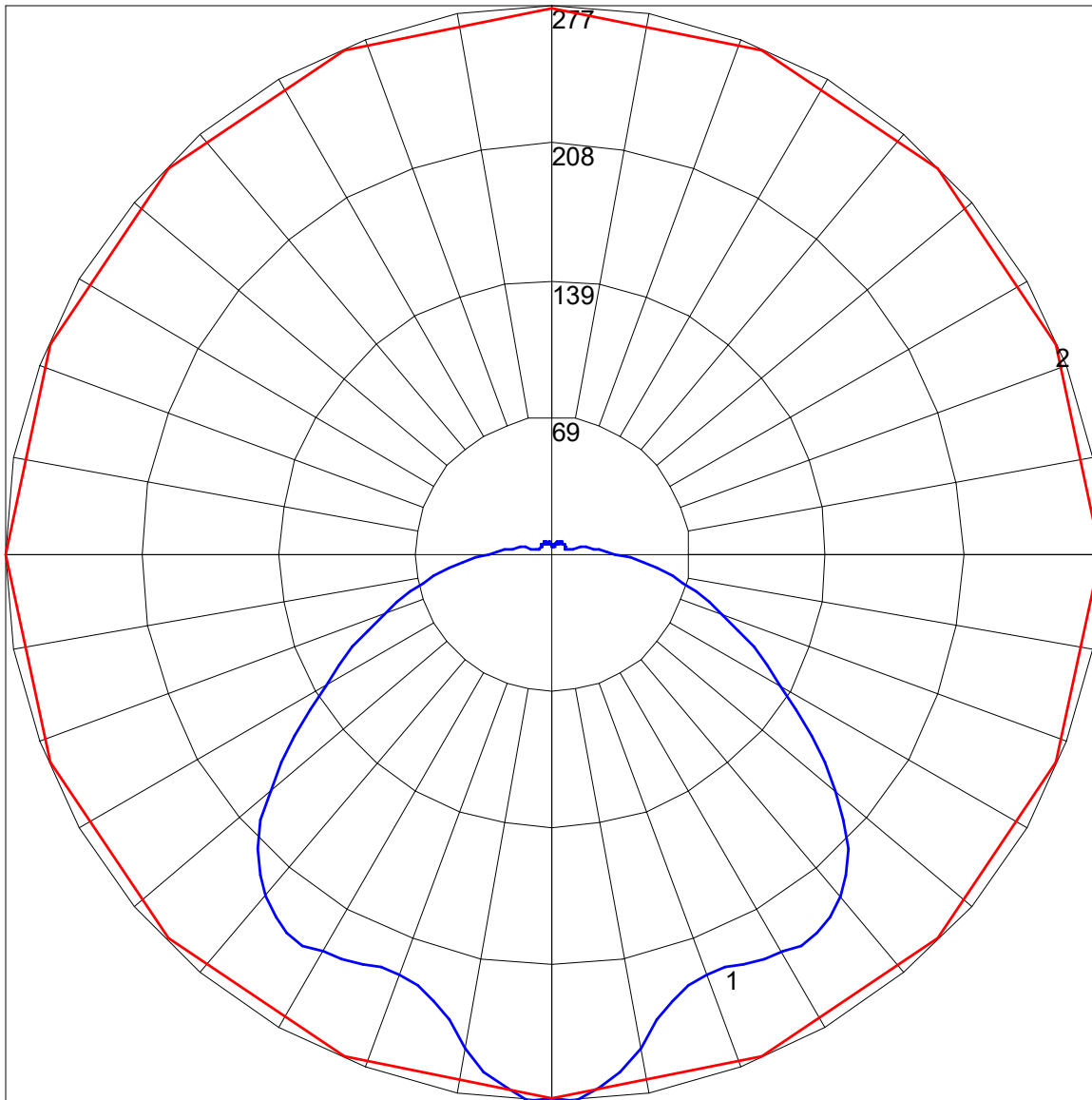
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

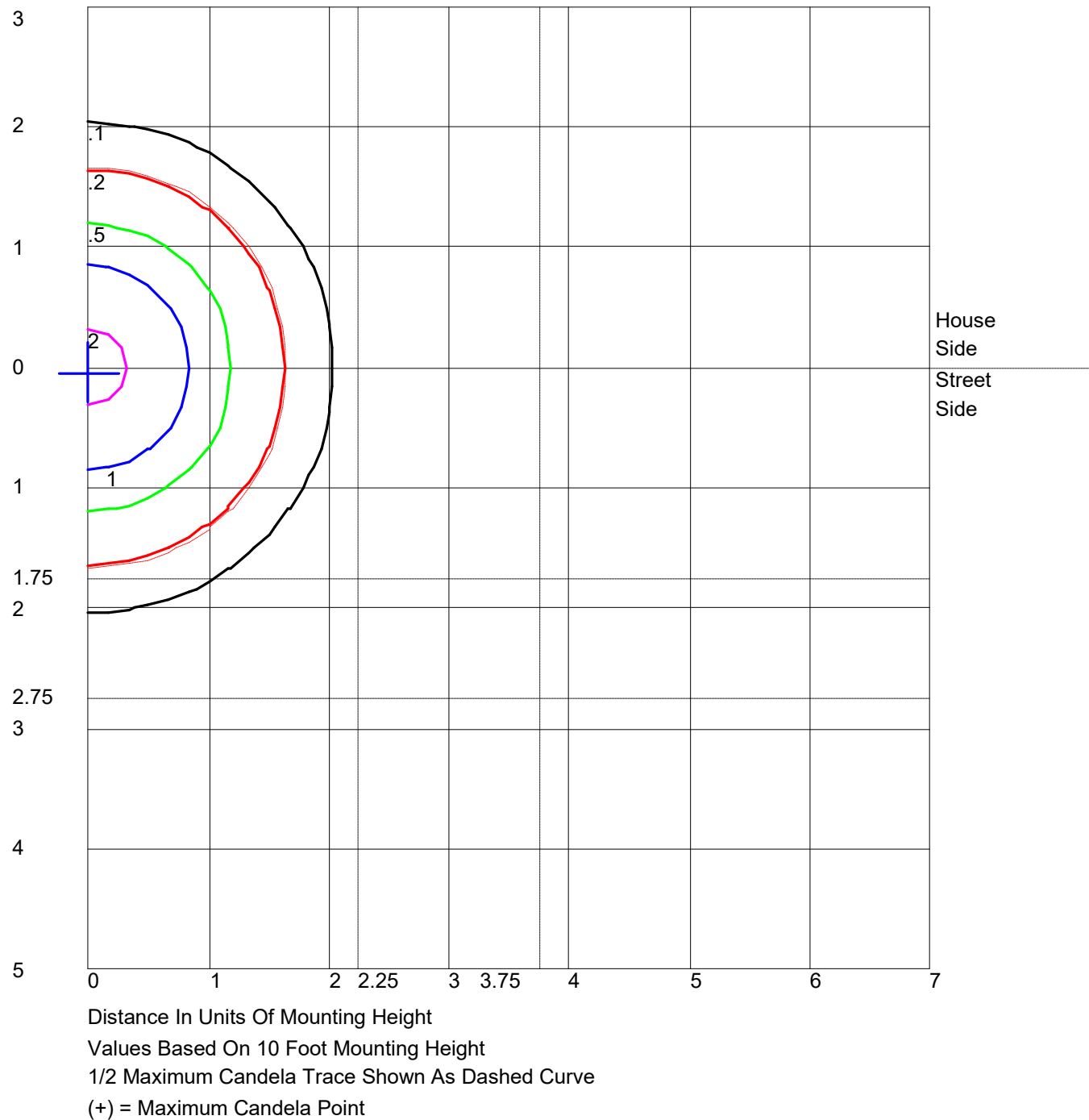
	Lumens	Percent Of Luminaire
Downward Street Side	446.3	46.5
Downward House Side	446.3	46.5
Downward Total	892.6	93.0
Upward Street Side	33.7	3.5
Upward House Side	33.7	3.5
Upward Total	67.4	7.0
Total Flux	960.0	100.0

POLAR GRAPH

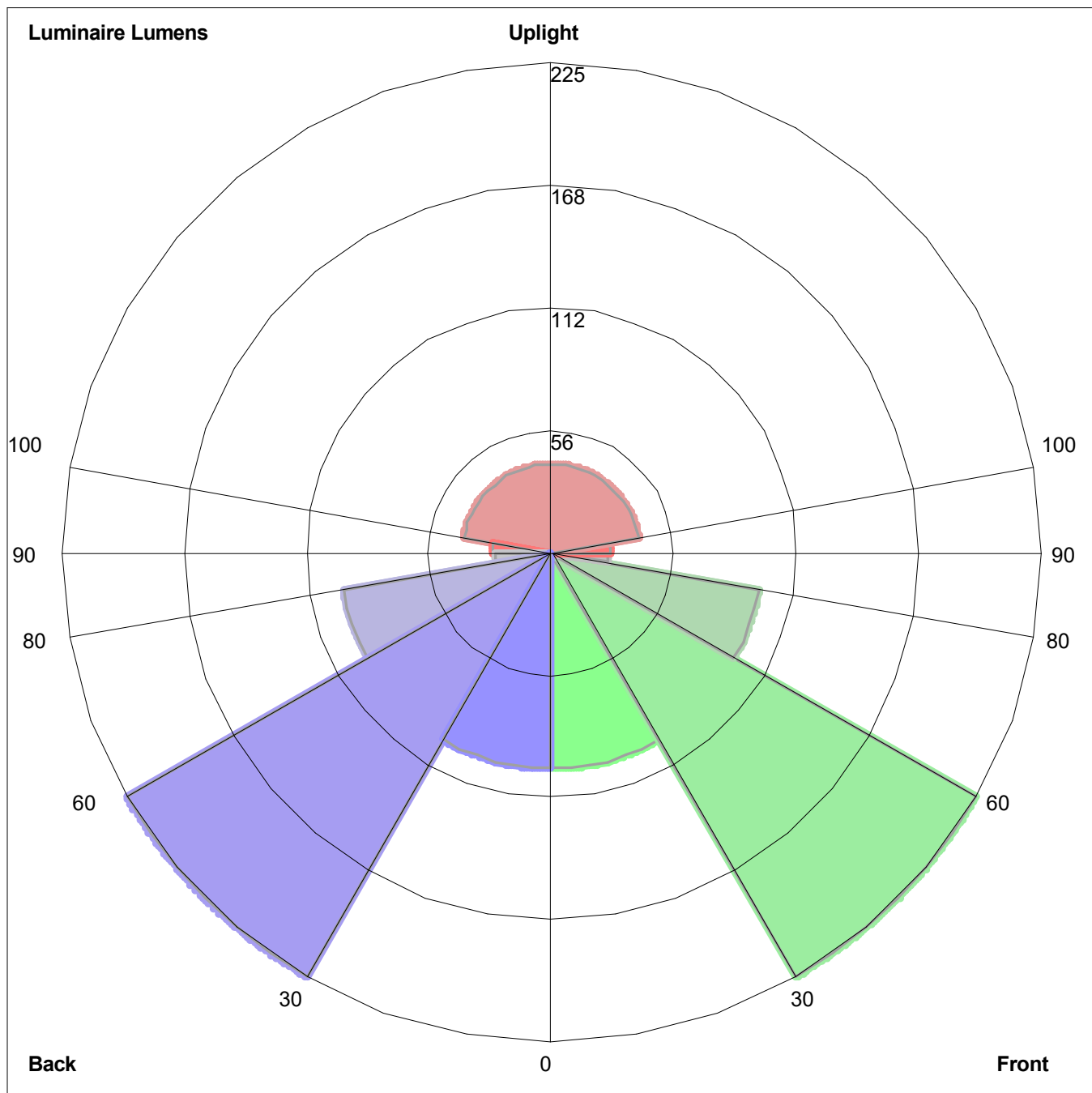


Maximum Candela = 277 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=99.0, Medium=224.5, High=96.7, Very High=26.1
Back: Low=99.0, Medium=224.5, High=96.7, Very High=26.1
Uplight: Low=26.8, High=40.6

BUG Rating : B1-U2-G1