



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-12L-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-716-12L-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	949
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	274
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	274
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	33 (3.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	64 (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)	97.8	N.A.	10.3
FM - Front-Medium (30-60)	221.8	N.A.	23.4
FH - Front-High (60-80)	95.6	N.A.	10.1
FVH - Front-Very High (80-90)	25.7	N.A.	2.7
BL - Back-Low (0-30)	97.8	N.A.	10.3
BM - Back-Medium (30-60)	221.8	N.A.	23.4
BH - Back-High (60-80)	95.6	N.A.	10.1
BVH - Back-Very High (80-90)	25.7	N.A.	2.7
UL - Uplight-Low (90-100)	26.8	N.A.	2.8
UH - Uplight-High (100-180)	40.6	N.A.	4.3
Total	949.2	N.A.	100.0
BUG Rating	B1-U2-G1		

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CANDELA TABULATION

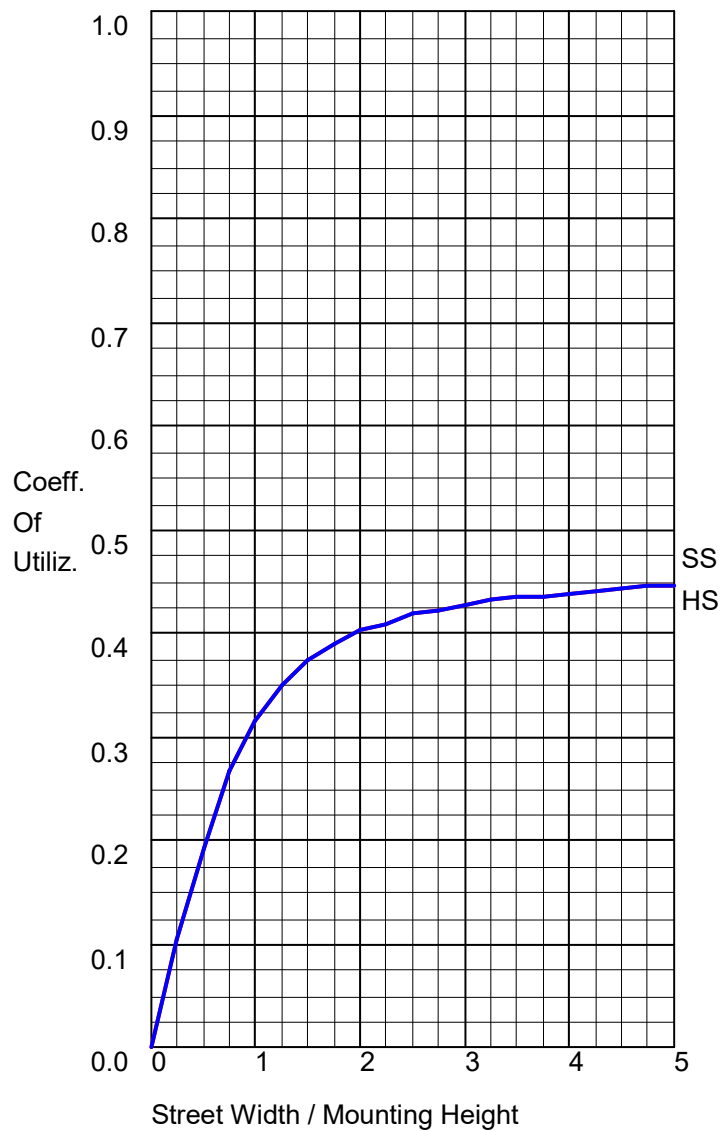
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	273	273	273	273	273
2.5	274	273	273	273	273
5.0	269	270	269	268	268
7.5	261	261	260	259	258
10.0	251	250	249	249	248
12.5	239	239	239	238	238
15.0	231	231	232	231	230
17.5	226	227	227	226	226
20.0	224	225	225	224	223
22.5	224	225	226	224	223
25.0	226	226	227	226	223
27.5	228	228	228	227	225
30.0	230	230	230	230	225
32.5	232	232	231	231	226
35.0	231	231	230	230	224
37.5	228	228	227	226	221
40.0	224	223	222	223	217
42.5	217	216	216	216	210
45.0	209	208	207	209	203
47.5	198	199	198	198	193
50.0	185	187	185	186	180
52.5	171	173	172	172	167
55.0	158	159	158	158	154
57.5	144	145	145	144	141
60.0	131	132	132	131	129
62.5	121	121	121	121	119
65.0	111	112	112	112	111
67.5	100	101	101	101	100
70.0	90	92	92	93	92
72.5	82	85	86	85	82
75.0	74	77	77	76	73
77.5	66	69	70	71	68
80.0	60	63	63	64	62
82.5	52	54	55	55	53
85.0	45	47	48	48	46
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

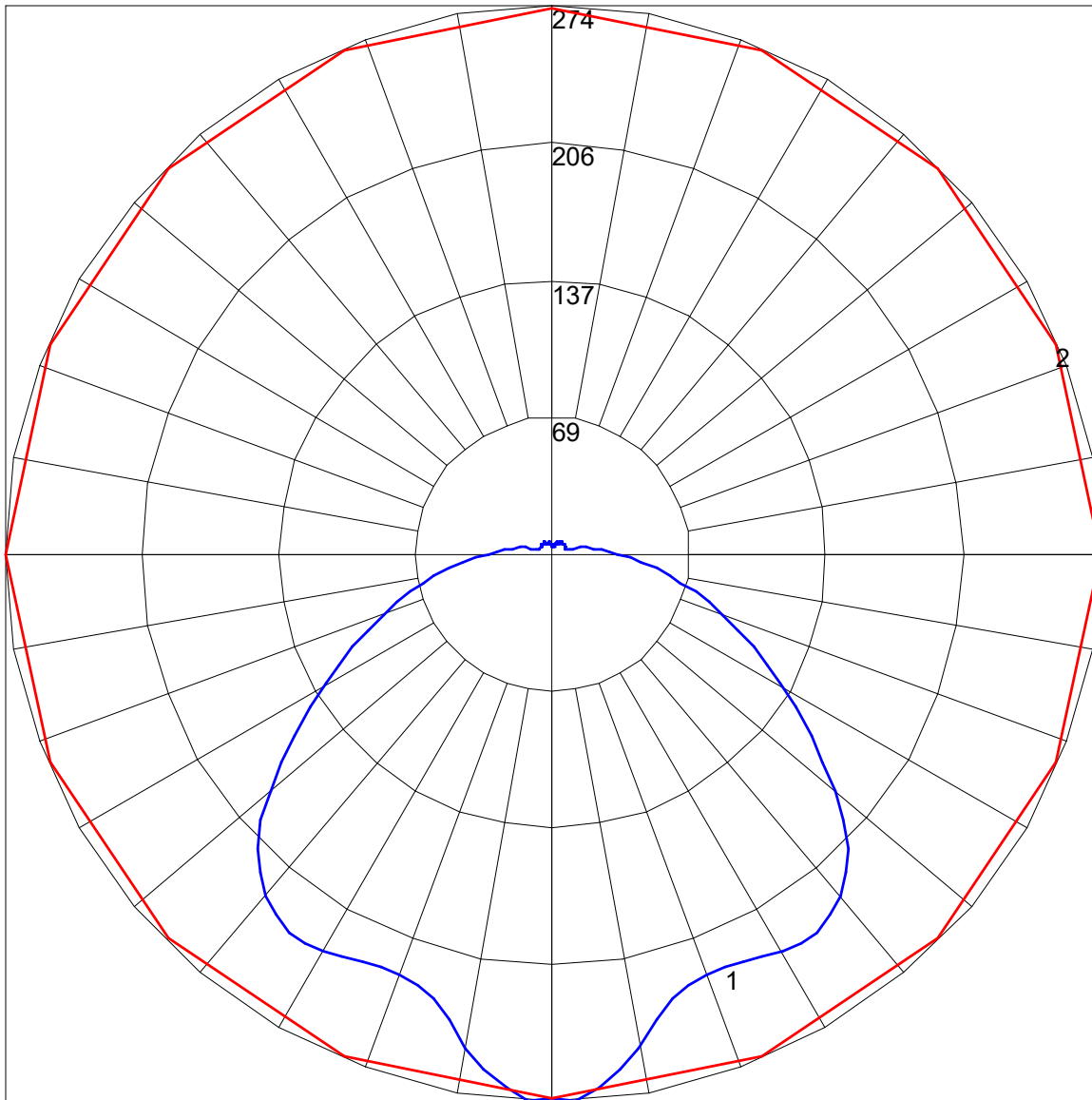
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

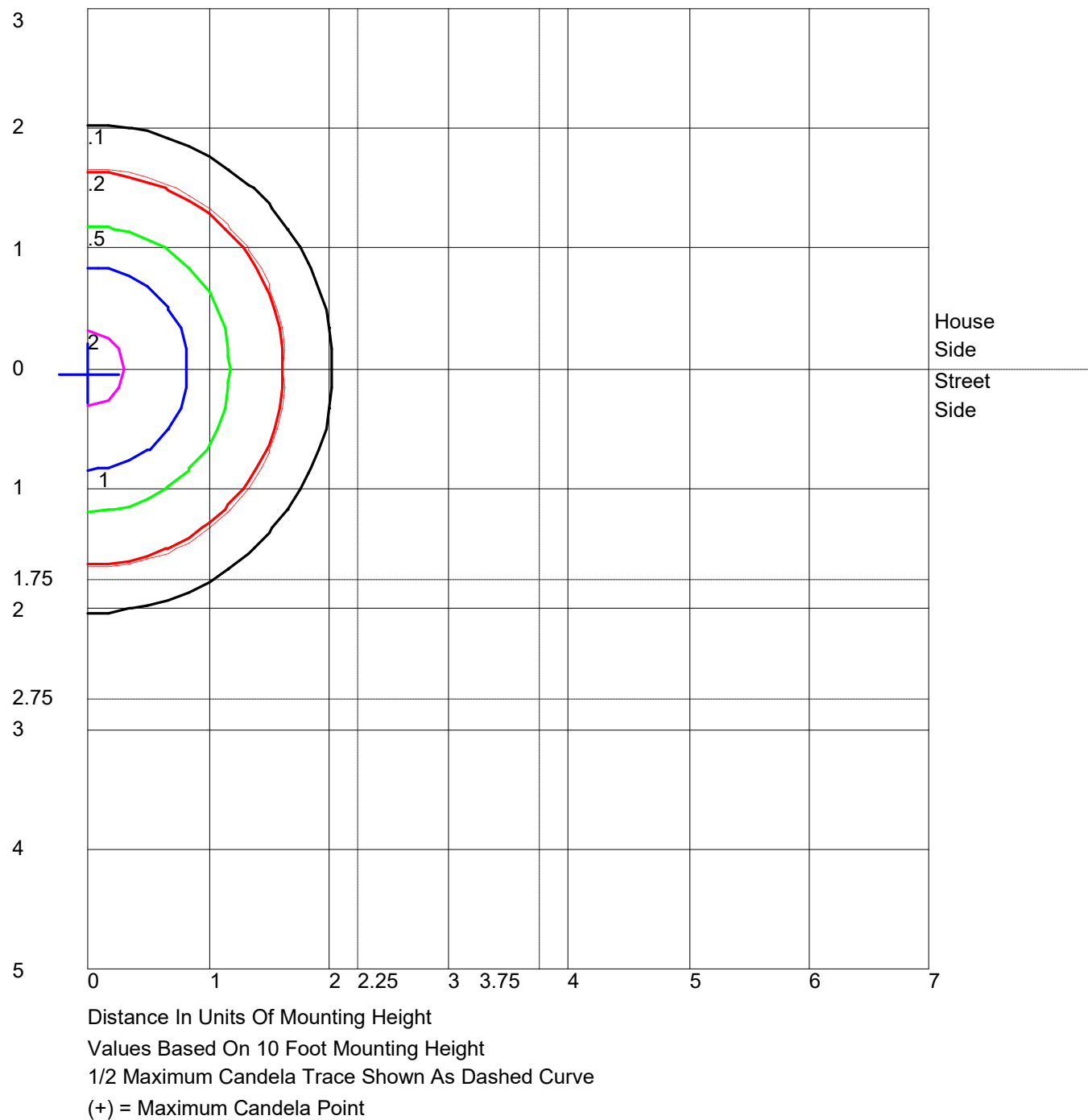
	Lumens	Percent Of Luminaire
Downward Street Side	440.9	46.4
Downward House Side	440.9	46.4
Downward Total	881.8	92.9
Upward Street Side	33.7	3.6
Upward House Side	33.7	3.6
Upward Total	67.4	7.1
Total Flux	949.2	100.0

POLAR GRAPH

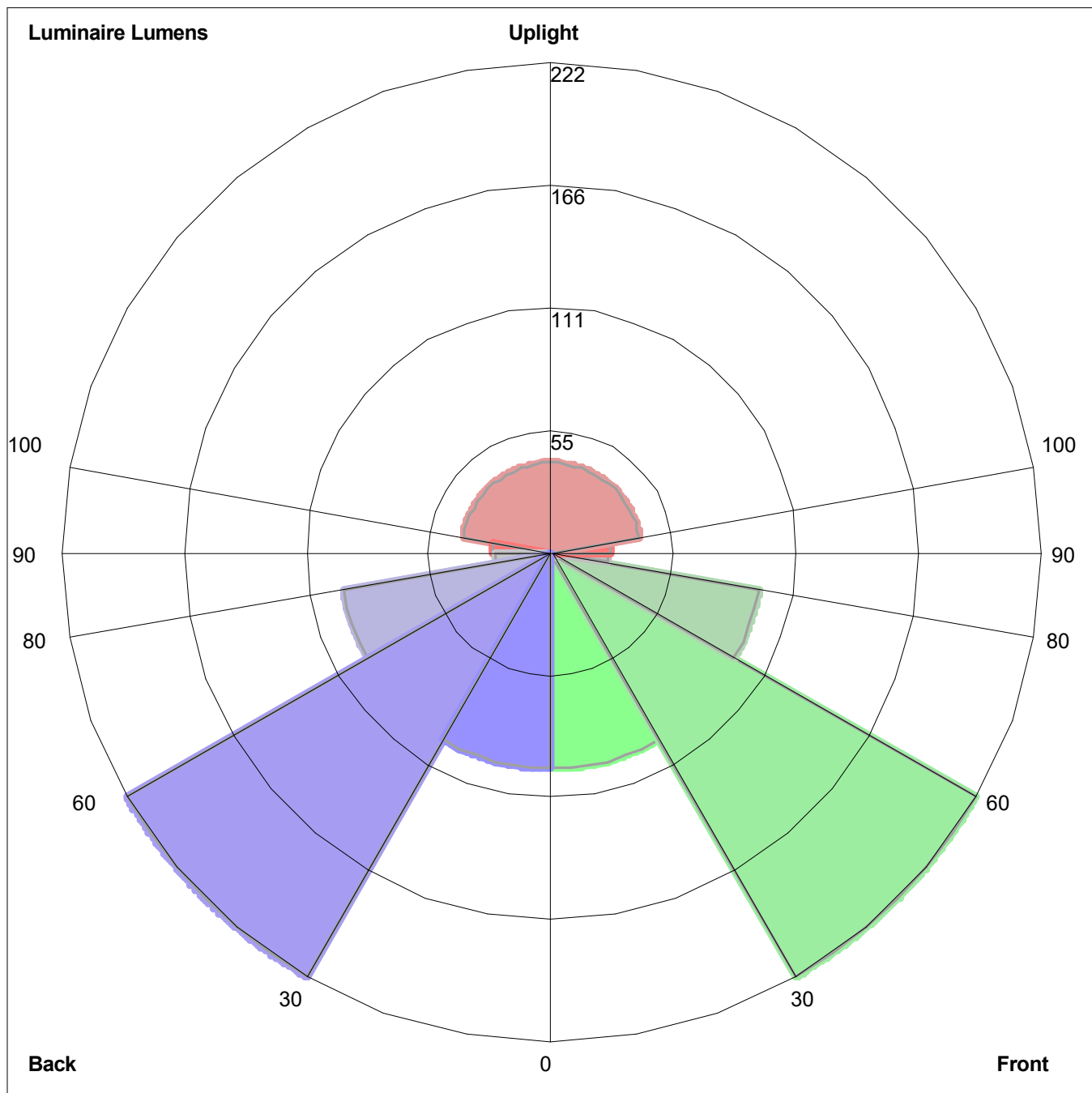


Maximum Candela = 274 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=97.8, Medium=221.8, High=95.6, Very High=25.7
Back: Low=97.8, Medium=221.8, High=95.6, Very High=25.7
Uplight: Low=26.8, High=40.6

BUG Rating : B1-U2-G1