



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-17L-35-PGG6-GWT.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12005
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 7/31/2020
[TEST DATE] 07/14/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] FAL-716-17L-35-PGG6-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	1494
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.05
Maximum Candela	1007
Maximum Candela Angle	67.5H 5V
Maximum Candela (<90 Degrees Vertical)	1007
Maximum Candela Angle (<90 Degrees Vertical)	67.5H 5V
Maximum Candela At 90 Degrees Vertical	21 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	55 (3.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	204.3	N.A.	13.7
FM - Front-Medium (30-60)	432.3	N.A.	28.9
FH - Front-High (60-80)	54.2	N.A.	3.6
FVH - Front-Very High (80-90)	18.7	N.A.	1.3
BL - Back-Low (0-30)	204.3	N.A.	13.7
BM - Back-Medium (30-60)	432.3	N.A.	28.9
BH - Back-High (60-80)	54.2	N.A.	3.6
BVH - Back-Very High (80-90)	18.7	N.A.	1.3
UL - Uplight-Low (90-100)	20.1	N.A.	1.3
UH - Uplight-High (100-180)	55.1	N.A.	3.7
Total	1494.2	N.A.	100.0
BUG Rating	B1-U3-G1		

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CANDELA TABULATION

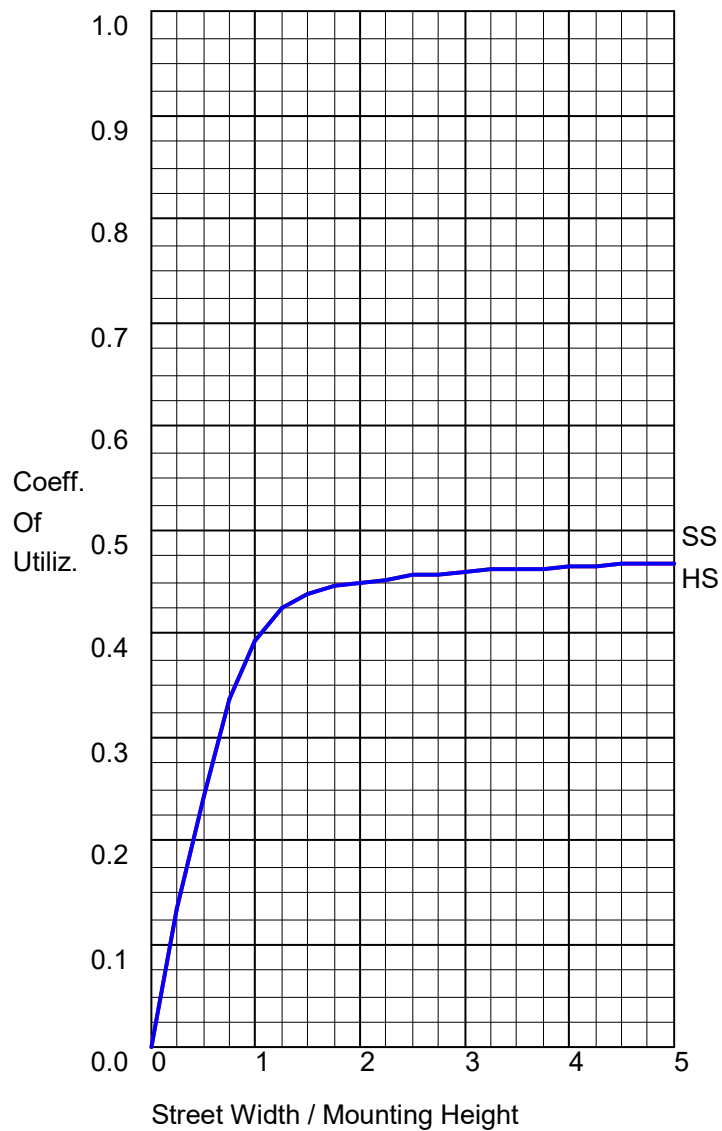
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	906	906	906	906	906
2.5	900	899	891	884	873
5.0	790	831	970	1007	944
7.5	557	635	879	974	937
10.0	420	394	546	573	509
12.5	312	290	337	274	307
15.0	264	276	326	226	323
17.5	339	349	441	348	456
20.0	515	486	531	493	545
22.5	536	498	478	478	476
25.0	493	476	461	447	437
27.5	516	512	508	491	493
30.0	530	530	532	525	530
32.5	542	539	547	536	542
35.0	534	532	538	538	538
37.5	508	512	515	521	520
40.0	501	498	497	502	501
42.5	493	489	484	482	484
45.0	489	487	489	482	480
47.5	463	471	479	475	475
50.0	386	400	406	398	397
52.5	265	283	294	289	281
55.0	155	163	174	170	163
57.5	79	82	83	83	82
60.0	62	62	62	62	63
62.5	56	56	57	57	57
65.0	53	53	53	53	55
67.5	57	56	52	51	52
70.0	51	60	63	56	48
72.5	42	56	52	49	41
75.0	48	55	51	51	41
77.5	42	53	55	49	38
80.0	41	55	48	44	34
82.5	38	48	41	37	31
85.0	34	40	33	34	29
87.5	31	33	29	30	26
90.0	21	19	18	18	18
92.5	18	19	18	18	18
95.0	19	19	19	19	19
97.5	18	18	18	18	18
100.0	18	18	18	18	18
102.5	16	18	18	18	16
105.0	14	15	15	15	14
107.5	12	14	14	14	12
110.0	10	11	11	11	11
112.5	10	10	10	10	10
115.0	10	10	10	10	10
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	10
147.5	8	10	10	10	10
150.0	8	8	10	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	7	7	7
165.0	7	7	7	7	7
167.5	7	7	7	7	7
170.0	7	7	7	7	5
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

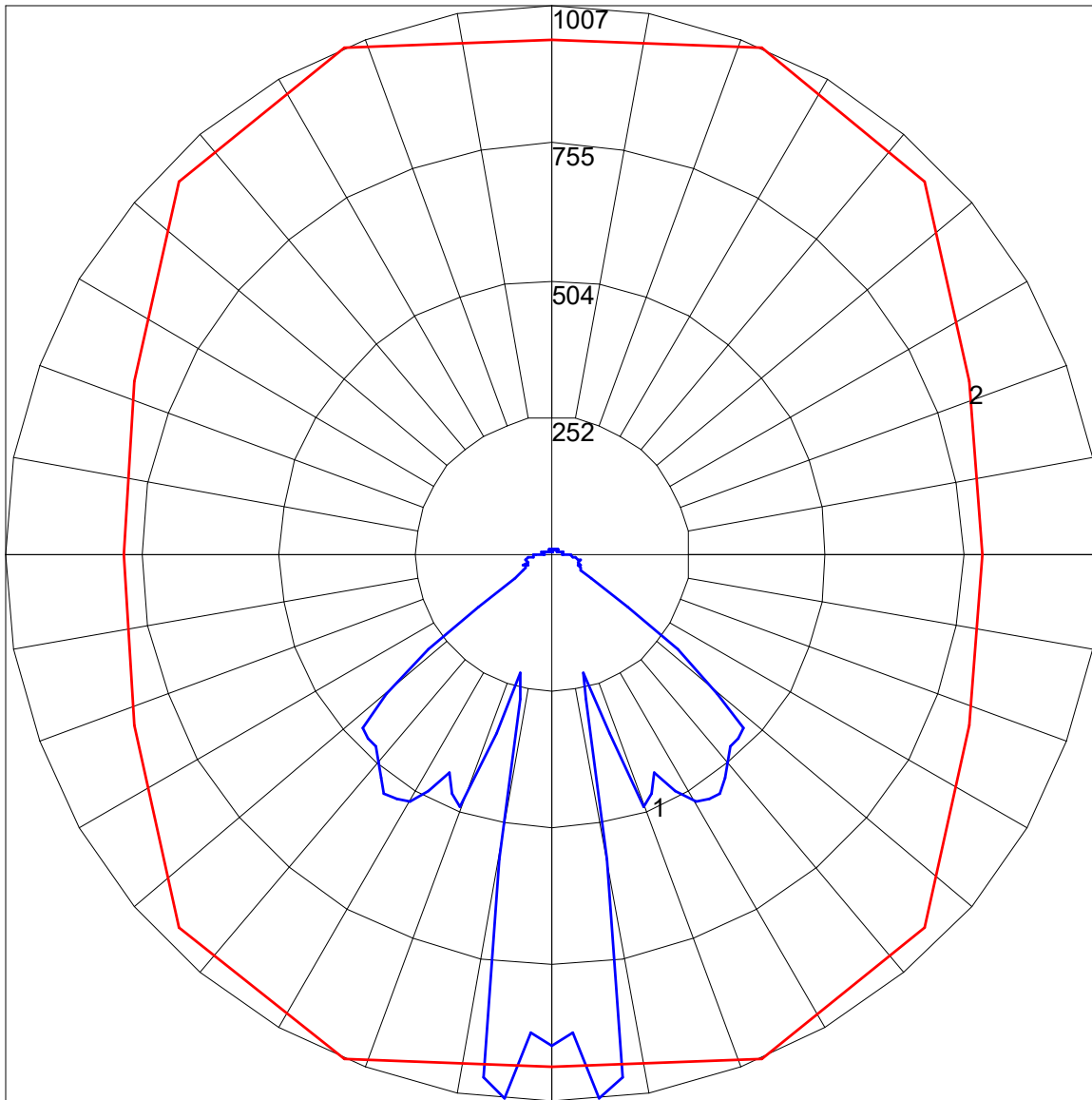
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

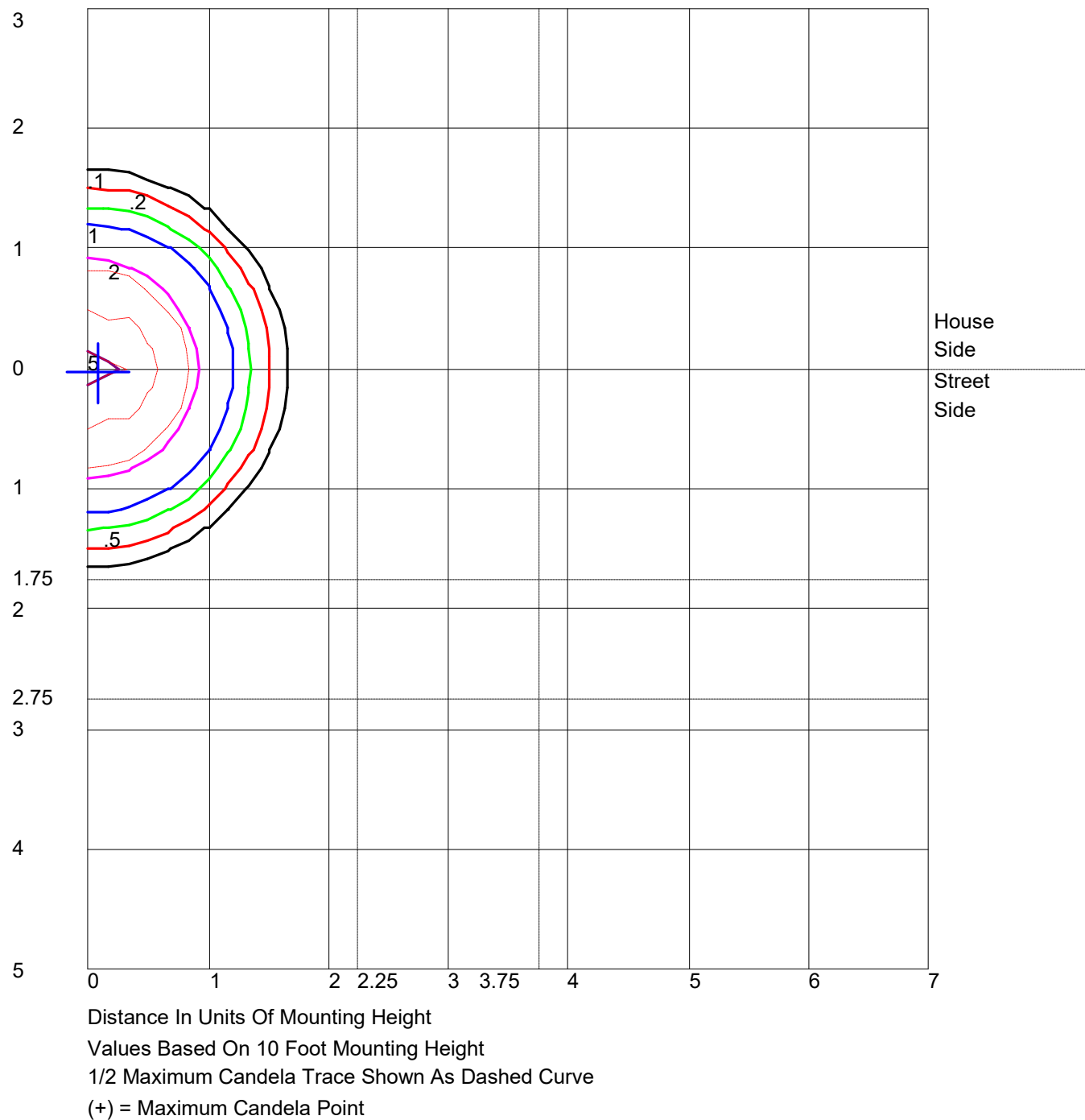
	Lumens	Percent Of Luminaire
Downward Street Side	709.5	47.5
Downward House Side	709.5	47.5
Downward Total	1419.0	95.0
Upward Street Side	37.6	2.5
Upward House Side	37.6	2.5
Upward Total	75.2	5.0
Total Flux	1494.2	100.0

POLAR GRAPH

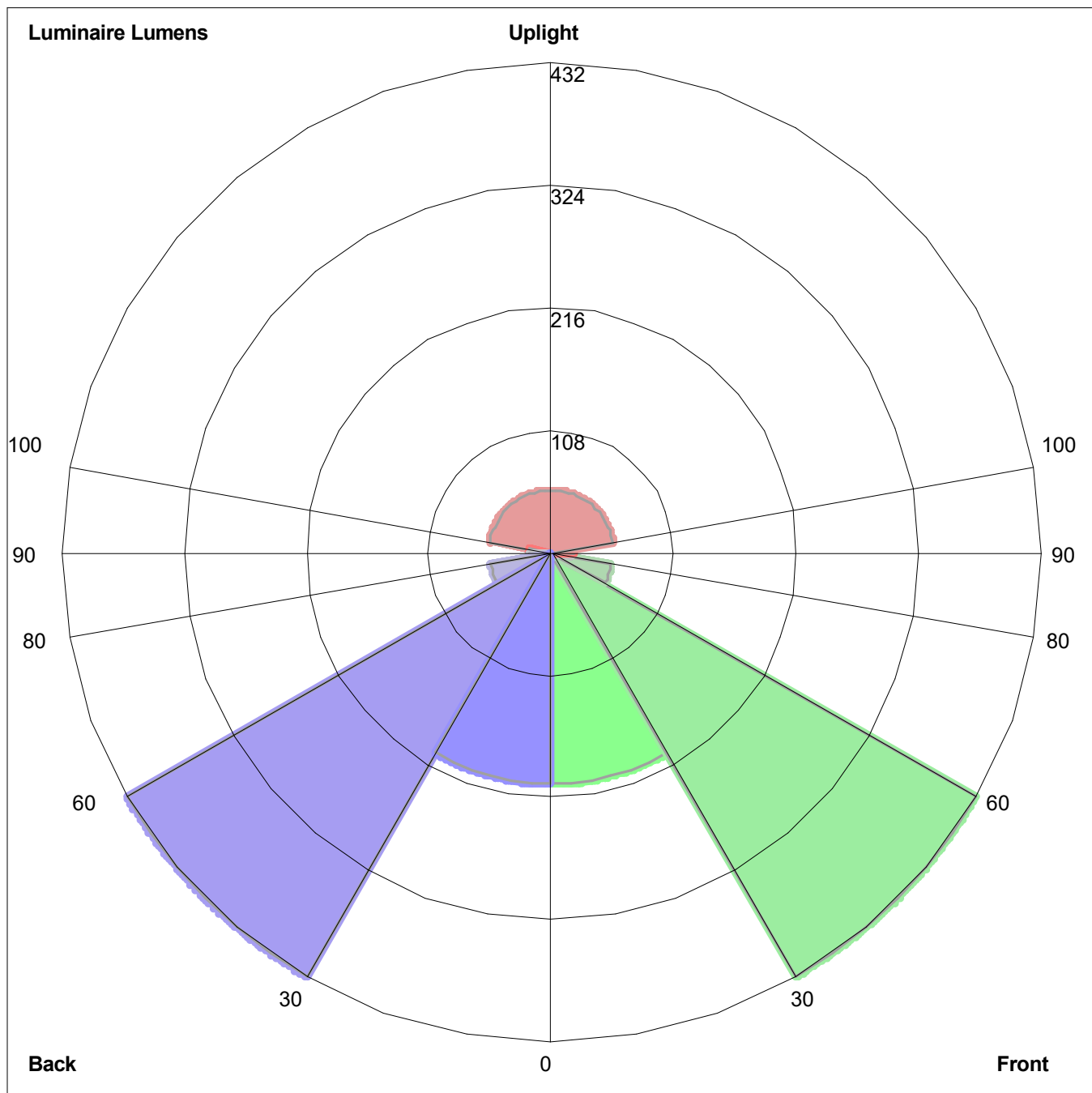


Maximum Candela = 1007 Located At Horizontal Angle = 67.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=204.3, Medium=432.3, High=54.2, Very High=18.7
Back: Low=204.3, Medium=432.3, High=54.2, Very High=18.7
Uplight: Low=20.1, High=55.1

BUG Rating : B1-U3-G1