



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-17L-30-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-30-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	1677
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.05
Maximum Candela	1131
Maximum Candela Angle	67.5H 5V
Maximum Candela (<90 Degrees Vertical)	1131
Maximum Candela Angle (<90 Degrees Vertical)	67.5H 5V
Maximum Candela At 90 Degrees Vertical	23 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	61 (3.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	229.4	N.A.	13.7
FM - Front-Medium (30-60)	485.6	N.A.	28.9
FH - Front-High (60-80)	60.9	N.A.	3.6
FVH - Front-Very High (80-90)	21.0	N.A.	1.3
BL - Back-Low (0-30)	229.4	N.A.	13.7
BM - Back-Medium (30-60)	485.6	N.A.	28.9
BH - Back-High (60-80)	60.9	N.A.	3.6
BVH - Back-Very High (80-90)	21.0	N.A.	1.3
UL - Uplight-Low (90-100)	22.6	N.A.	1.3
UH - Uplight-High (100-180)	61.0	N.A.	3.6
Total	1677.4	N.A.	100.0
BUG Rating	B1-U3-G1		

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CANDELA TABULATION

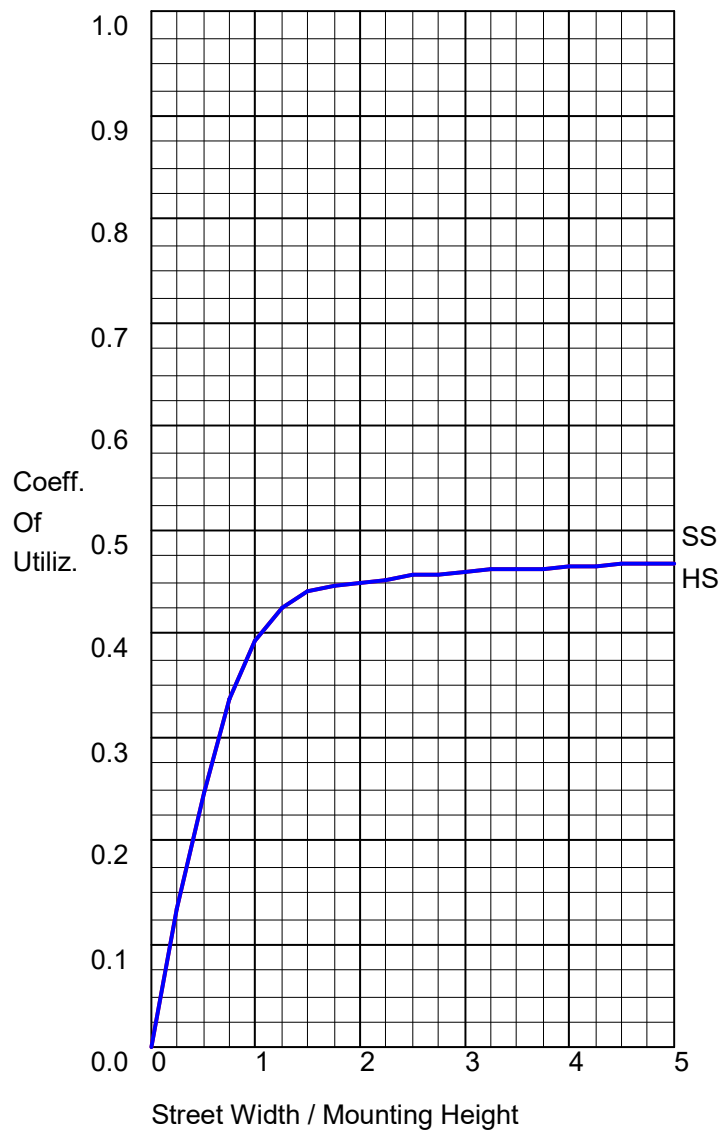
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1018	1018	1018	1018	1018
2.5	1011	1010	1001	993	981
5.0	887	933	1090	1131	1061
7.5	626	713	987	1094	1053
10.0	472	443	613	644	572
12.5	350	326	378	307	344
15.0	297	310	366	254	363
17.5	381	392	495	390	512
20.0	578	546	596	553	612
22.5	603	560	536	536	535
25.0	553	535	518	503	490
27.5	579	575	570	552	553
30.0	595	595	598	590	595
32.5	609	606	615	603	609
35.0	599	598	604	604	604
37.5	570	575	578	586	584
40.0	563	560	558	564	563
42.5	553	549	544	541	544
45.0	549	547	549	541	540
47.5	520	529	538	533	533
50.0	433	449	457	447	446
52.5	298	318	330	324	315
55.0	174	183	195	191	183
57.5	89	92	94	94	92
60.0	69	69	69	69	71
62.5	63	63	65	65	65
65.0	60	60	60	60	61
67.5	65	63	58	57	58
70.0	57	68	71	63	54
72.5	48	63	58	55	46
75.0	54	61	57	57	46
77.5	48	60	61	55	43
80.0	46	61	54	49	38
82.5	43	54	46	42	35
85.0	38	45	37	38	32
87.5	35	37	32	34	29
90.0	23	22	20	20	20
92.5	20	22	20	20	20
95.0	22	22	22	22	22
97.5	20	20	20	20	20
100.0	20	20	20	20	20
102.5	18	20	20	20	18
105.0	15	17	17	17	15
107.5	14	15	15	15	14
110.0	11	12	12	12	12
112.5	11	11	11	11	11
115.0	11	11	11	11	11
117.5	11	11	11	11	11
120.0	11	11	11	11	11
122.5	11	11	11	11	11
125.0	11	11	11	11	11
127.5	11	11	11	11	11
130.0	11	11	11	11	11

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CANDELA TABULATION - (Cont.)

132.5	11	11	11	11	11
135.0	11	11	11	11	11
137.5	11	11	11	11	11
140.0	11	11	11	11	11
142.5	11	11	11	11	11
145.0	11	11	11	11	11
147.5	9	11	11	11	11
150.0	9	9	11	9	9
152.5	9	9	9	9	9
155.0	9	9	9	9	9
157.5	9	9	9	9	9
160.0	9	9	9	9	9
162.5	8	8	8	8	8
165.0	8	8	8	8	8
167.5	8	8	8	8	8
170.0	8	8	8	8	6
172.5	6	6	6	6	6
175.0	6	6	6	6	6
177.5	5	5	5	6	6
180.0	5	5	5	5	5

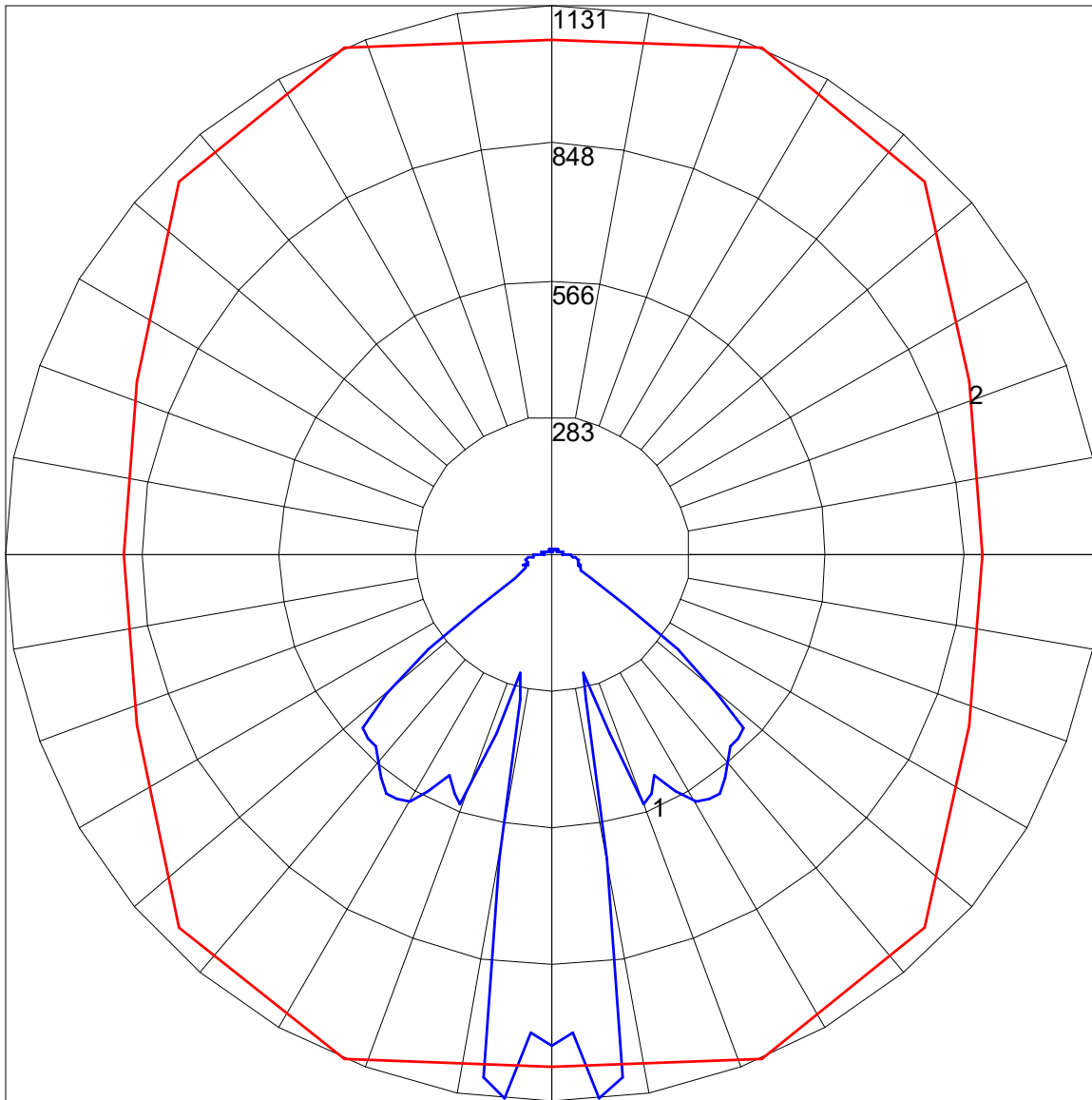
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

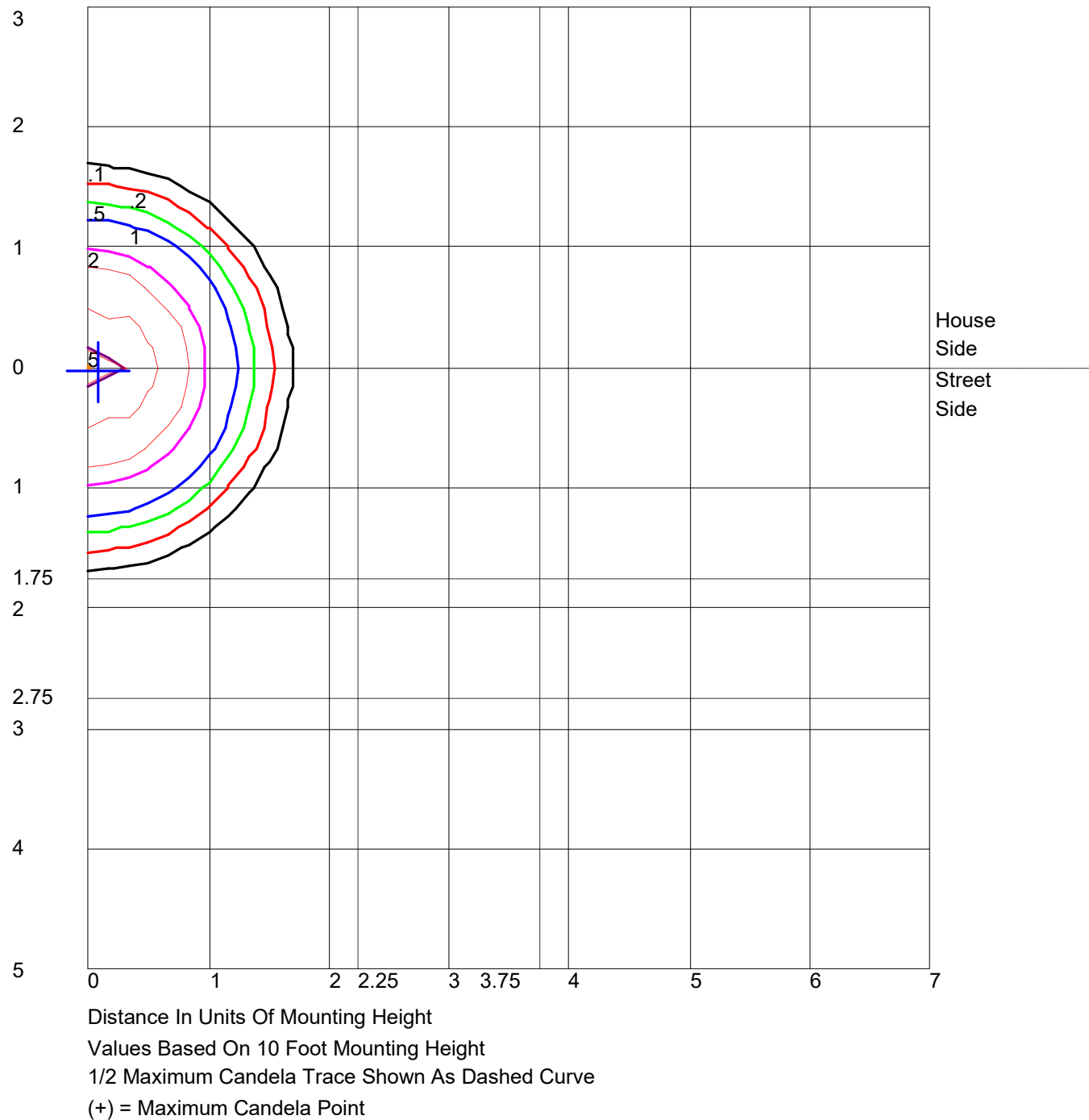
	Lumens	Percent Of Luminaire
Downward Street Side	796.9	47.5
Downward House Side	796.9	47.5
Downward Total	1593.8	95.0
Upward Street Side	41.8	2.5
Upward House Side	41.8	2.5
Upward Total	83.6	5.0
Total Flux	1677.4	100.0

POLAR GRAPH

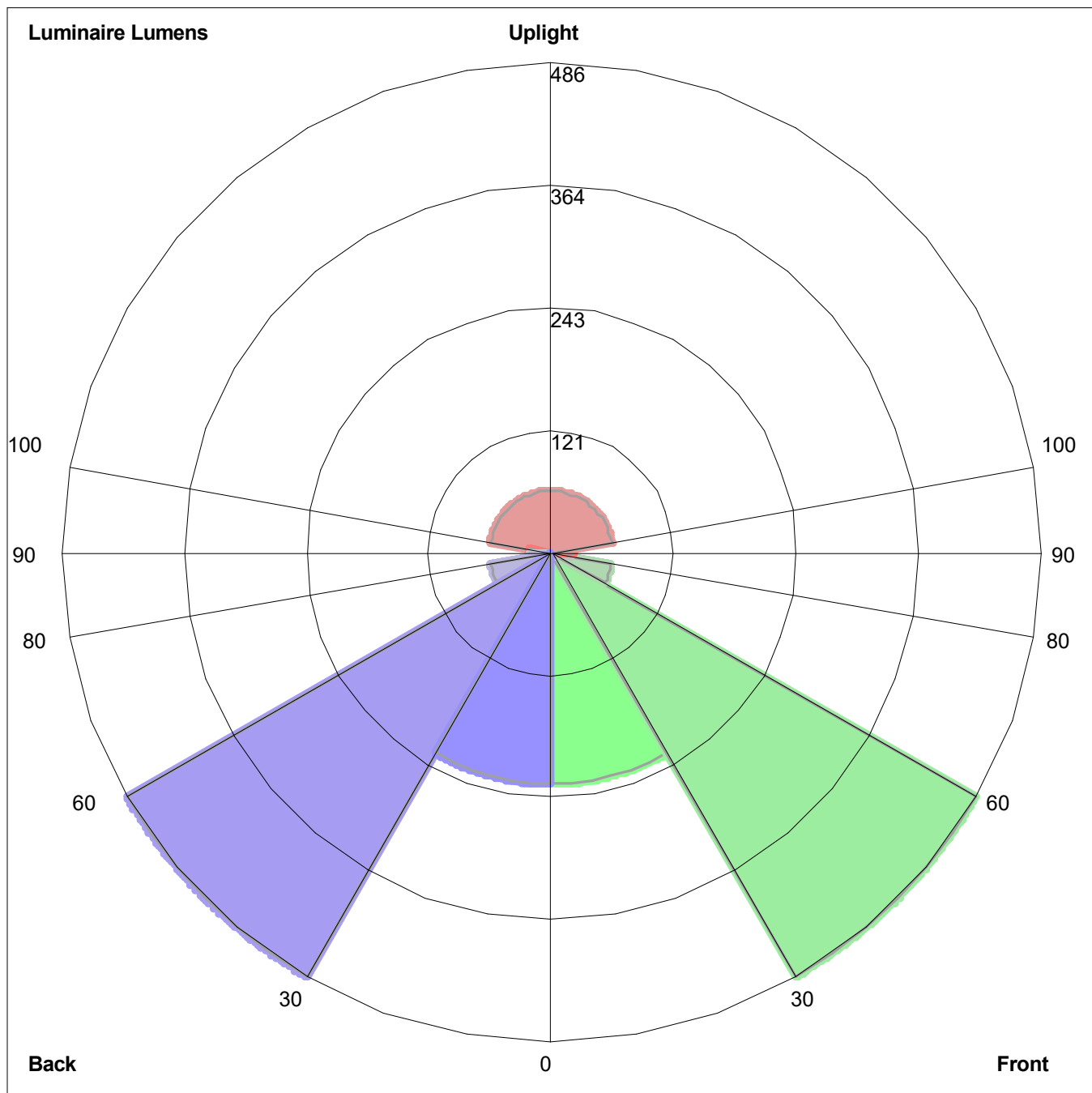


Maximum Candela = 1131 Located At Horizontal Angle = 67.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=229.4, Medium=485.6, High=60.9, Very High=21.0
Back: Low=229.4, Medium=485.6, High=60.9, Very High=21.0
Uplight: Low=22.6, High=61.0

BUG Rating : B1-U3-G1