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Photometric Test Report

IES ROAD REPORT

PHOTOMETRIC FILENAME : L061606204.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L061606204
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUEDATE] 8/17/2016
[MANUFAC] Beachside Lighting
[LUMCAT] MB2-120V-MH20MR16SP
[LUMINAIRE] Bollard
[BALLASTCAT] POWER SELECT PS10B20K
[LAMPPOSITION] 0,0
[LAMPCAT] N/A
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[TEST CONDITION] CANDELA VALUES ARE GENERATED FROM LIGHT LABAORATORY REPORT
[MORE] L061606205 BY USING POWER RATIO OF 0.58.
[INPUT] 120VAC, 23.45W

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	269
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	11
Total Luminaire Watts	23.45
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	87.44
Maximum Candela Angle	0H 50V
Maximum Candela (<90 Degrees Vertical)	87.44
Maximum Candela Angle (<90 Degrees Vertical)	0H 50V
Maximum Candela At 90 Degrees Vertical	1.97 (0.7% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10 (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)	4.6	N.A.	1.7
FM - Front-Medium (30-60)	80.8	N.A.	30.0
FH - Front-High (60-80)	40.9	N.A.	15.2
FVH - Front-Very High (80-90)	2.9	N.A.	1.1
BL - Back-Low (0-30)	4.6	N.A.	1.7
BM - Back-Medium (30-60)	80.8	N.A.	30.0
BH - Back-High (60-80)	40.9	N.A.	15.2
BVH - Back-Very High (80-90)	2.9	N.A.	1.1
UL - Uplight-Low (90-100)	1.6	N.A.	0.6
UH - Uplight-High (100-180)	9.0	N.A.	3.3
Total	269.0	N.A.	100.0
BUG Rating	B0-U1-G0		

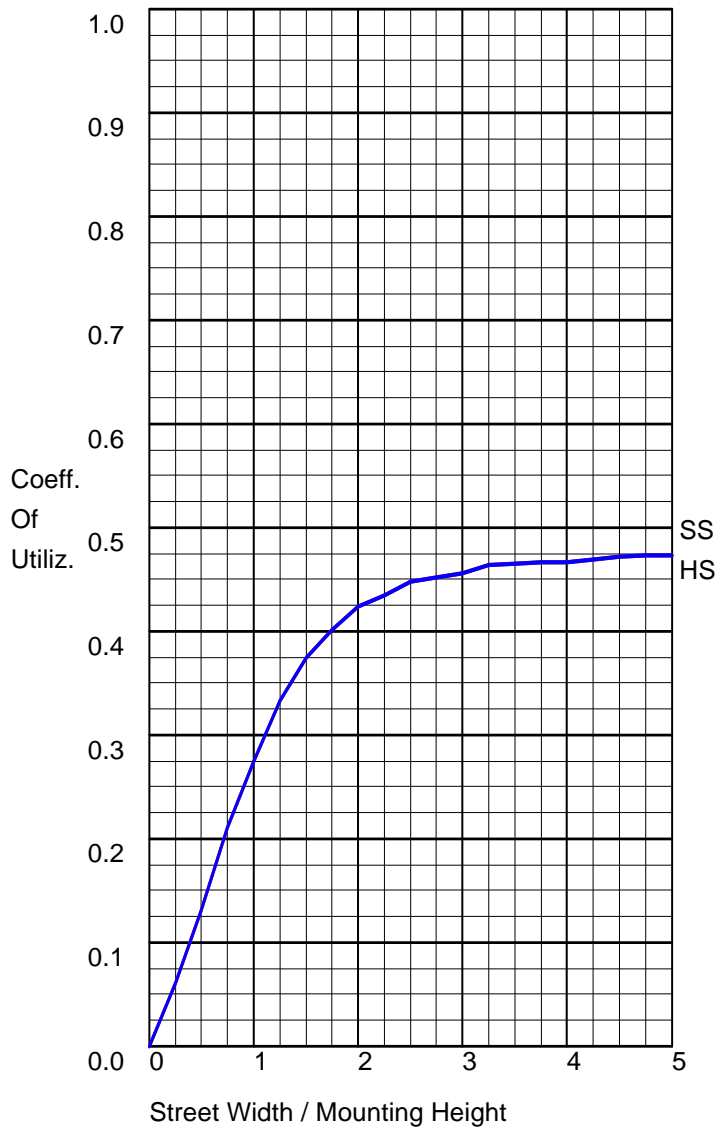
ZONAL LUMEN SUMMARY

Zone	%
0-20	0.5
0-30	3.4
0-40	13.9
0-60	63.5
0-80	93.9
0-90	96.1
10-90	96
20-40	13.4
20-50	35.7
40-70	70.5
60-80	30.4
70-80	9.5
80-90	2.1
90-110	1.2
90-120	1.9
90-130	2.6
90-150	3.5
90-180	3.9
110-180	2.8
0-180	100

CANDELA TABULATION

Vert. Angles	Horizontal Angles
	<u>0</u>
0	0.00
5	0.66
10	1.51
15	3.56
20	7.67
25	15.48
30	27.23
35	44.27
40	62.22
45	78.93
50	87.44
55	83.91
60	73.04
65	57.45
70	39.95
75	23.35
80	10.00
85	4.55
90	1.97
95	1.36
100	1.28
105	1.42
110	1.63
115	1.86
120	2.05
125	2.14
130	2.08
135	1.89
140	1.77
145	1.69
150	1.59
155	1.51
160	1.46
165	1.39
170	1.29
175	0.95
180	0.00

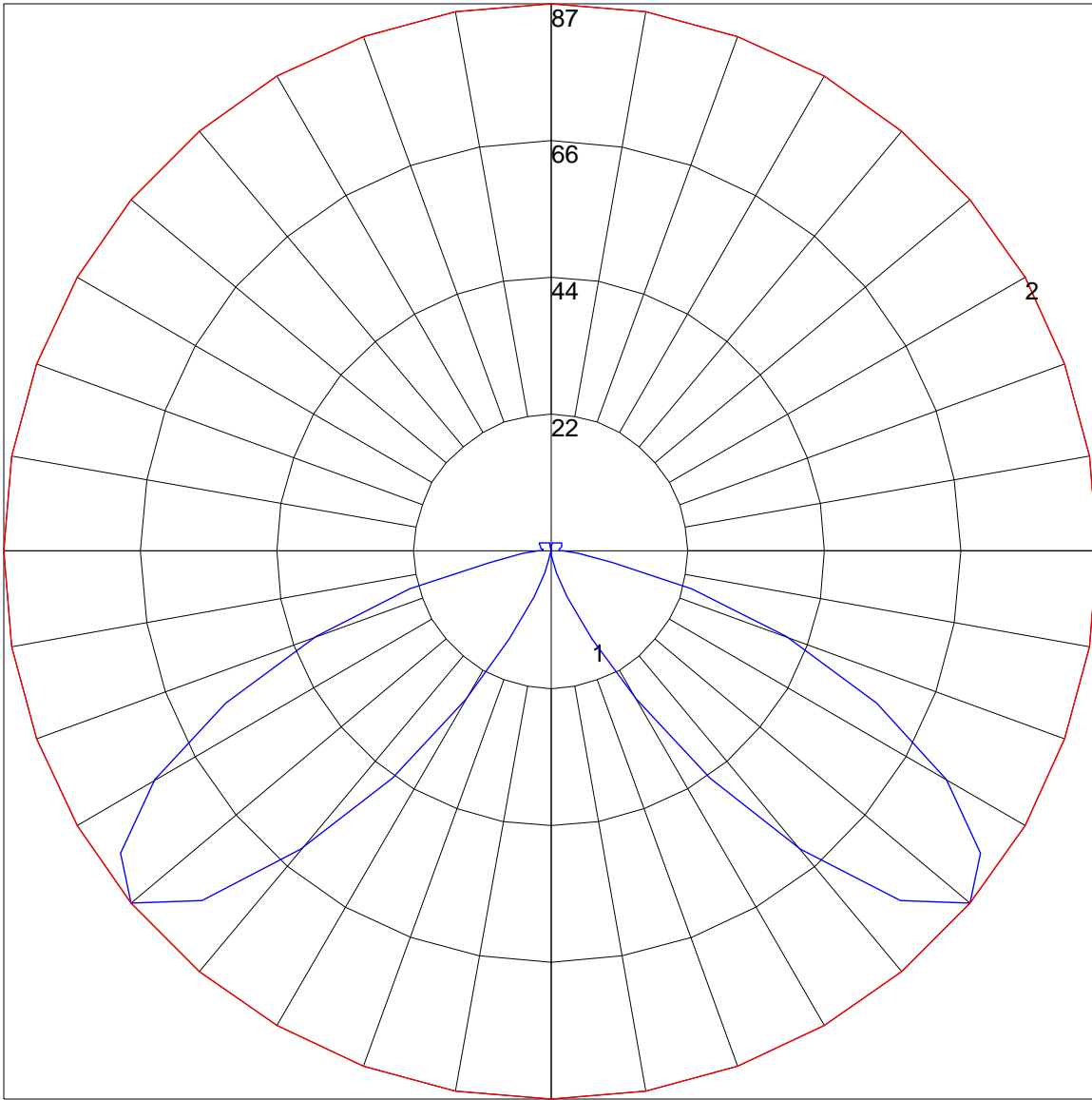
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

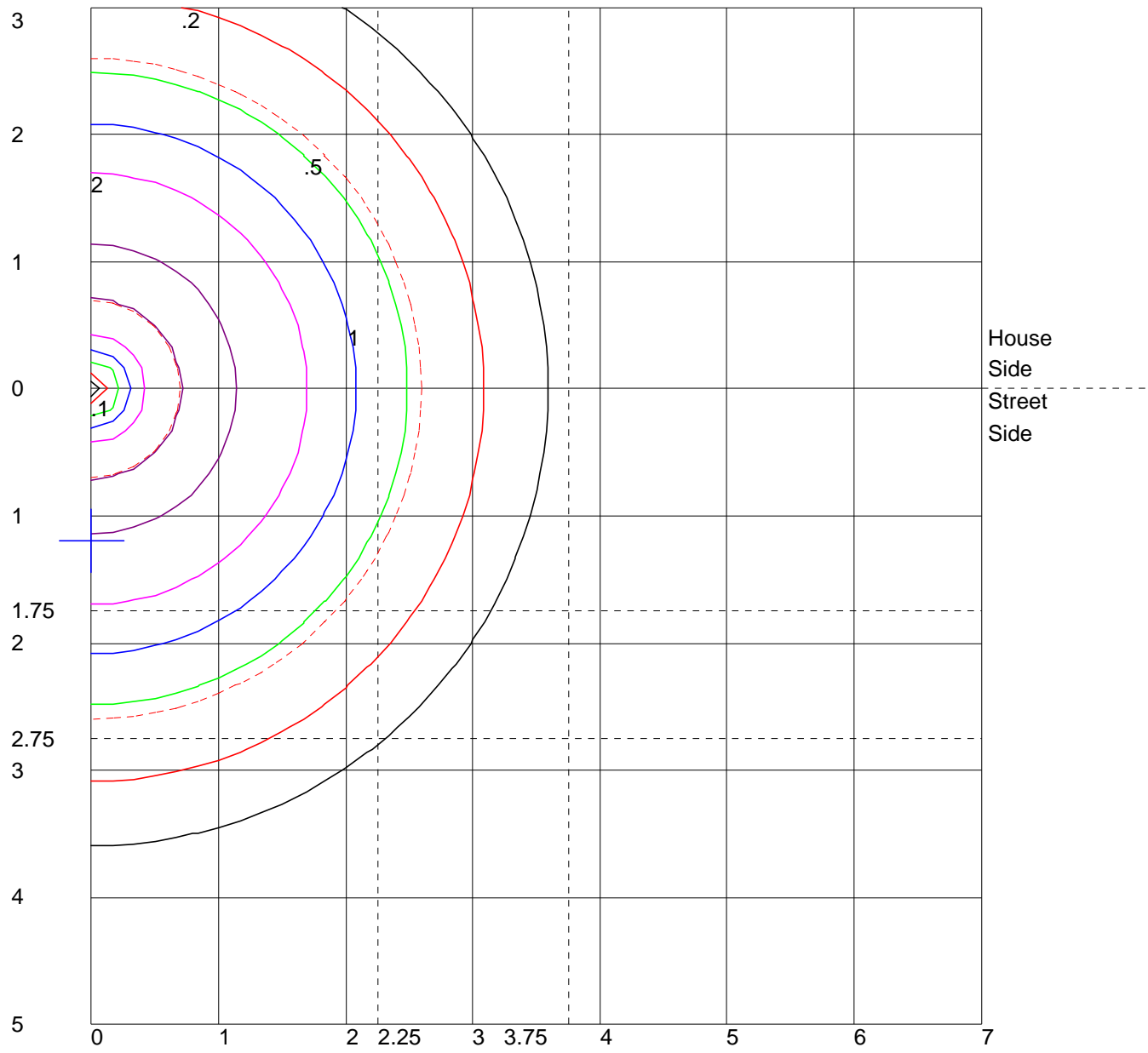
	Lumens	Percent Of Luminaire
Downward Street Side	129.2	48.0
Downward House Side	129.2	48.0
Downward Total	258.4	96.1
Upward Street Side	5.3	2.0
Upward House Side	5.3	2.0
Upward Total	10.6	3.9
Total Flux	269.0	100.0

POLAR GRAPH



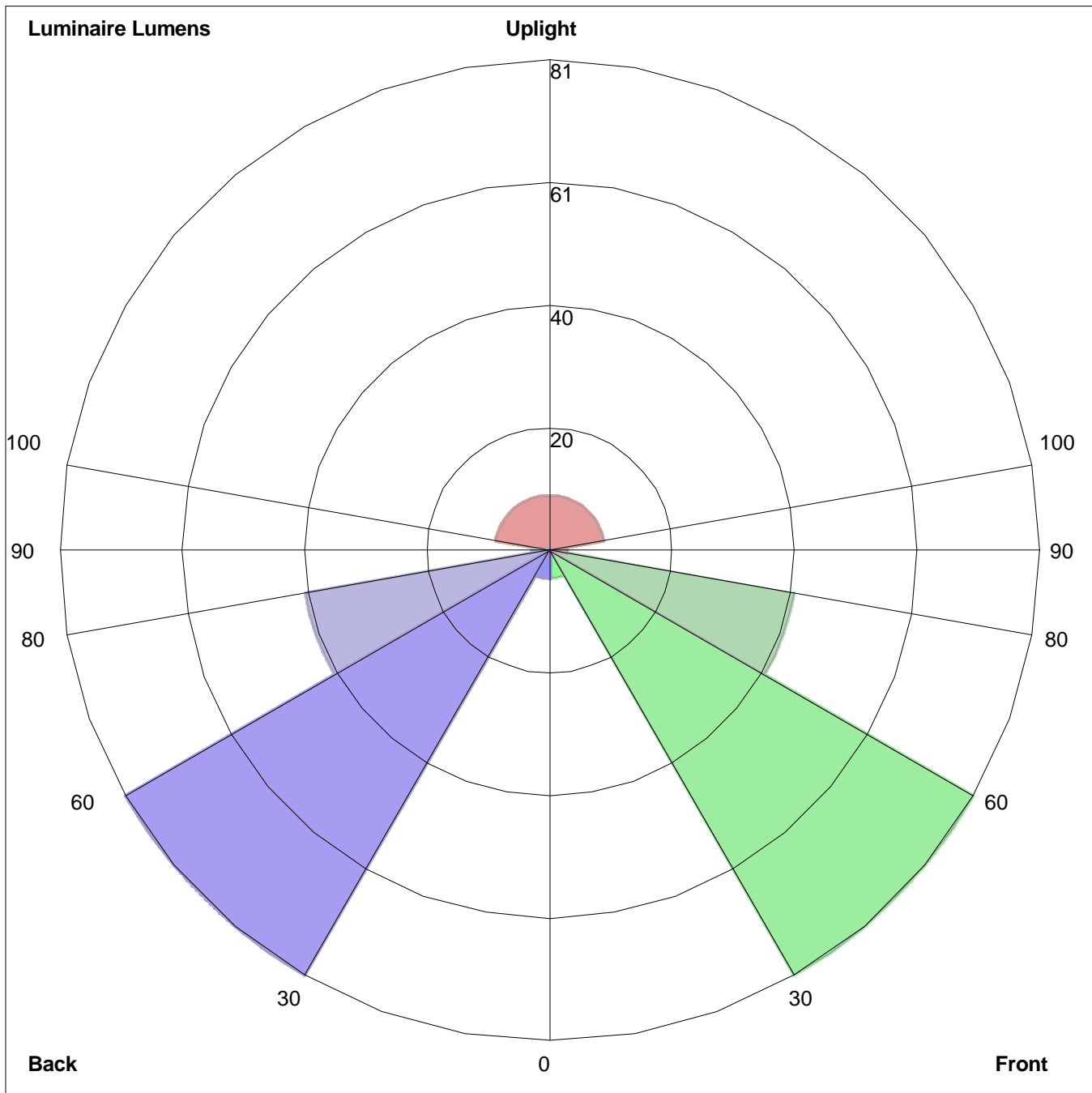
Maximum Candela = 87.44 Located At Horizontal Angle = 0, Vertical Angle = 50
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 2.21 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=4.6, Medium=80.8, High=40.9, Very High=2.9
Back: Low=4.6, Medium=80.8, High=40.9, Very High=2.9
Uplight: Low=1.6, High=9.0

BUG Rating : B0-U1-G0