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# Photometric Test Report

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L061606207.IES**

## DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] L061606207  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUEDATE] 8/17/2016  
 [MANUFAC] Beachside Lighting  
 [LUMCAT] Z1-12-3W  
 [LUMINAIRE] Pathlight  
 [BALLASTCAT] N/A  
 [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] L061606206 BY USING POWER RATIO OF 0.77.  
 [INPUT] 12VAC, 3.00W  
 [TEST PROCEDURE] IESNA:LM-79-08

## CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	66
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	22
Total Luminaire Watts	3
Ballast Factor	1.00
Upward Waste Light Ratio	0.02
Maximum Candela	14.09
Maximum Candela Angle	0H 40V
Maximum Candela (<90 Degrees Vertical)	14.09
Maximum Candela Angle (<90 Degrees Vertical)	0H 40V
Maximum Candela At 90 Degrees Vertical	.61 (0.9% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.72 (10.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	5.1	N.A.	7.7
FM - Front-Medium (30-60)	15.2	N.A.	22.9
FH - Front-High (60-80)	10.8	N.A.	16.3
FVH - Front-Very High (80-90)	1.4	N.A.	2.1
BL - Back-Low (0-30)	5.1	N.A.	7.7
BM - Back-Medium (30-60)	15.2	N.A.	22.9
BH - Back-High (60-80)	10.8	N.A.	16.3
BVH - Back-Very High (80-90)	1.4	N.A.	2.1
UL - Uplight-Low (90-100)	0.6	N.A.	0.9
UH - Uplight-High (100-180)	0.8	N.A.	1.2
<b>Total</b>	<b>66.4</b>	<b>N.A.</b>	<b>100.0</b>
<b>BUG Rating</b>	<b>B0-U1-G0</b>		

**ZONAL LUMEN SUMMARY**

Zone	%
0-20	6.6
0-30	15.3
0-40	28.4
0-60	61.1
0-80	93.7
0-90	98
10-90	96.3
20-40	21.8
20-50	37.6
40-70	49.8
60-80	32.6
70-80	15.5
80-90	4.2
90-110	1.5
90-120	1.9
90-130	2
90-150	2
90-180	2
110-180	0.6
0-180	100

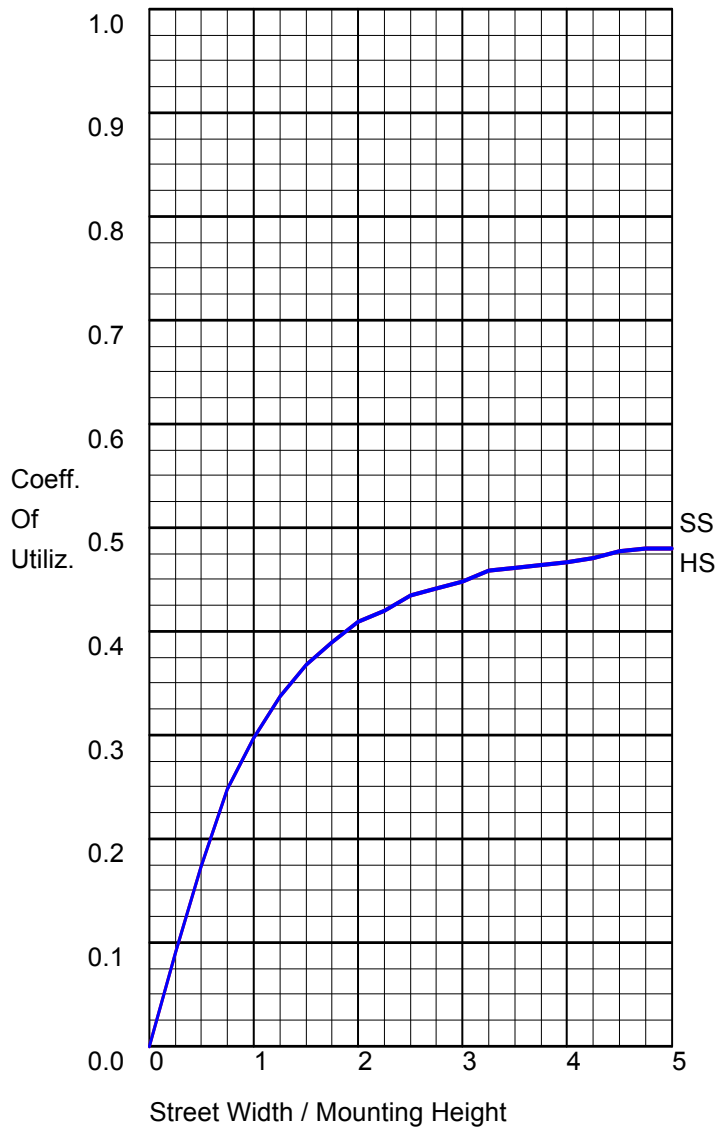
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CANDELA TABULATION

Vert. Horizontal Angles  
Angles

	<u>0</u>
0	13.23
5	11.80
10	11.58
15	11.26
20	11.80
25	12.43
30	13.19
35	13.93
40	14.09
45	13.65
50	12.94
55	12.54
60	12.07
65	11.49
70	10.71
75	10.82
80	6.72
85	1.52
90	0.61
95	0.54
100	0.39
105	0.39
110	0.39
115	0.31
120	0.24
125	0.00
130	0.00
135	0.00
140	0.00
145	0.00
150	0.00
155	0.00
160	0.00
165	0.00
170	0.00
175	0.00
180	0.00

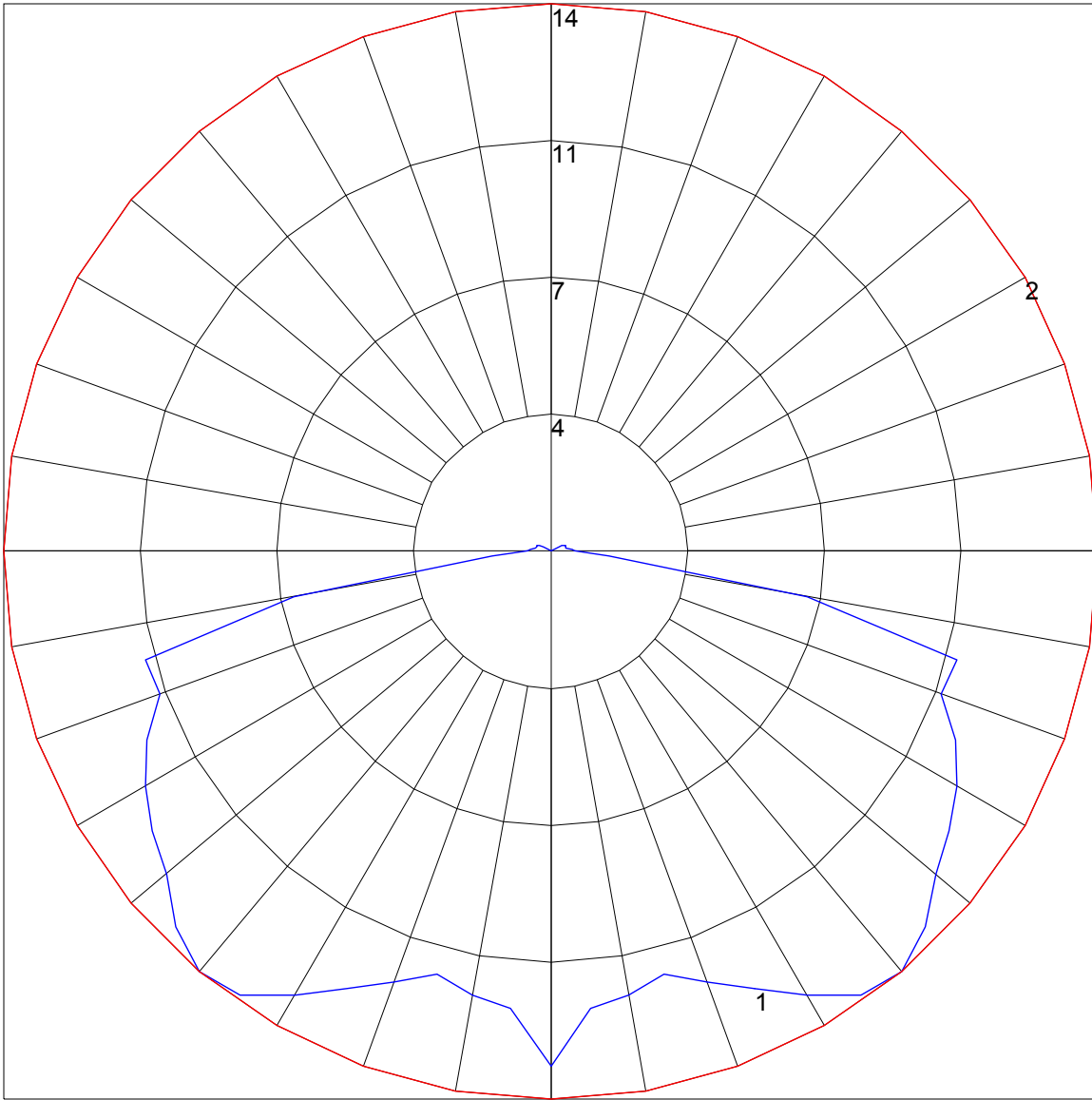
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

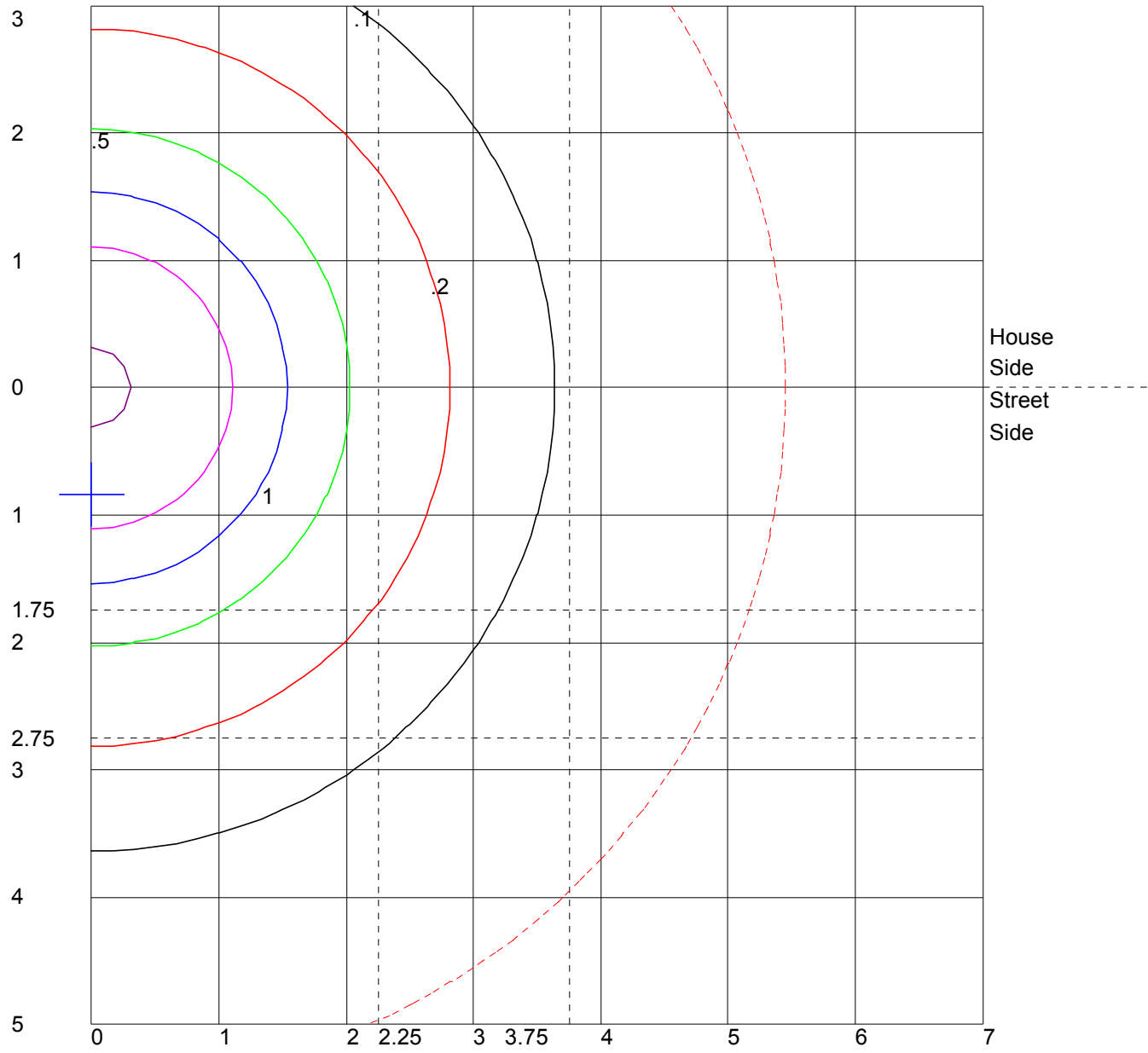
	Lumens	Percent Of Luminaire
Downward Street Side	32.5	49.0
Downward House Side	32.5	49.0
Downward Total	65.0	97.9
Upward Street Side	0.7	1.0
Upward House Side	0.7	1.0
Upward Total	1.4	2.1
<b>Total Flux</b>	<b>66.4</b>	<b>100.0</b>

POLAR GRAPH



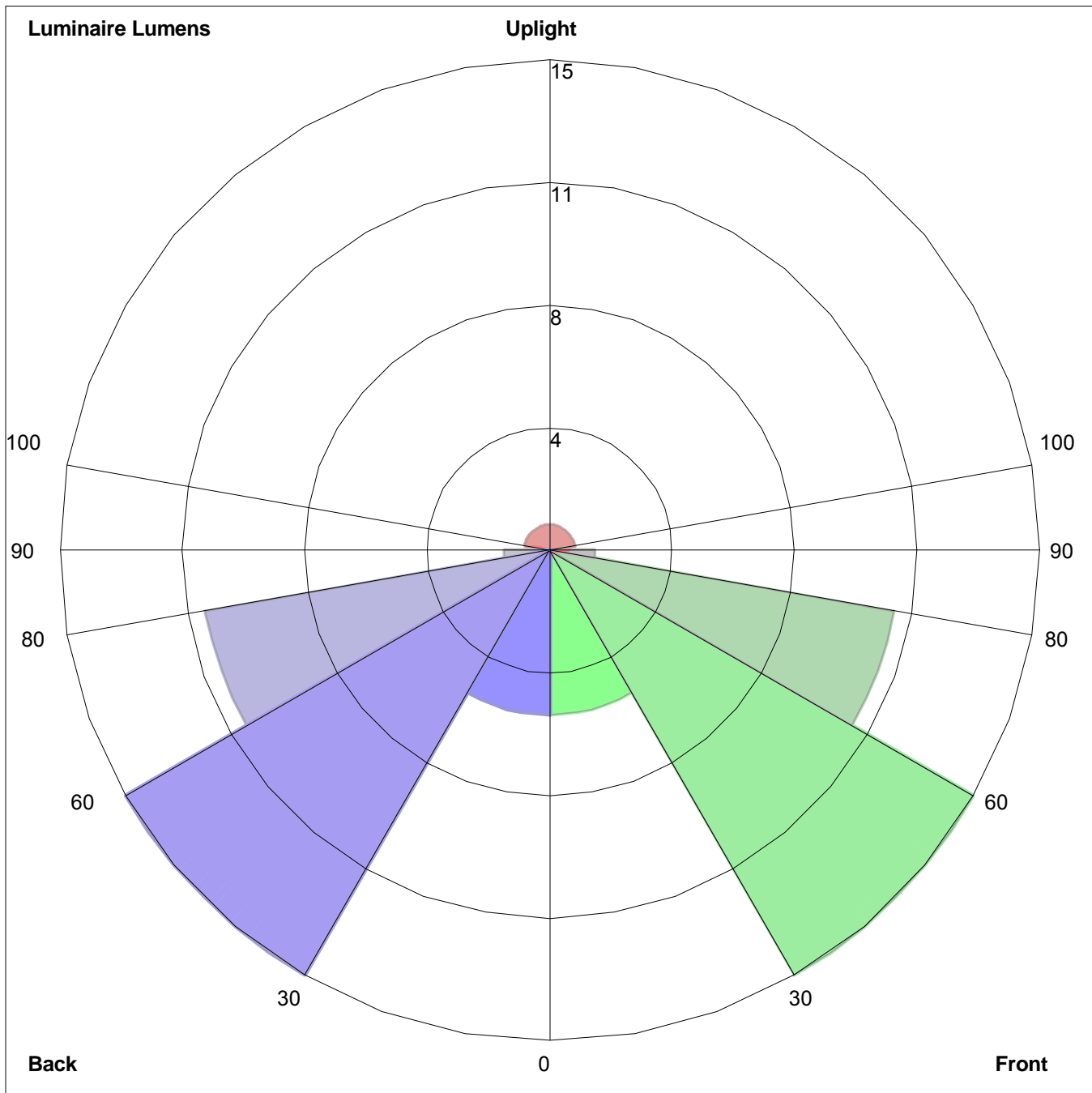
Maximum Candela = 14.09 Located At Horizontal Angle = 0, Vertical Angle = 40  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (40) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 1.42 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=5.1, Medium=15.2, High=10.8, Very High=1.4  
Back: Low=5.1, Medium=15.2, High=10.8, Very High=1.4  
Uplight: Low=0.6, High=0.8

BUG Rating : B0-U1-G0