

Project Number  
15.00264



**HUBBELL**  
Lighting

Date  
2/11/2015  
**REVISED**  
2/11/2015

LAB 1

### Test Sample Description

Catalog Number: P5723-8130K9  
Description: 17" LED Outdoor Wall Lantern

Test Method: IES LM-79-08 § 10  
Preburn Time: 0:10  
Time To Stabilize: 1:08  
Total Operating Time: 1:48  
  
Input Voltage (Volts): 120.0  
Input Current (Amps): 0.153  
Input Wattage (Watts): 17.1  
Ambient Temp (°C): 25.1



### Hubbell Lighting, Inc.

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Checked: D. ROBBINS  
Approved: P. McCARTHY





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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 10 foot mounting height.

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CATALOG NUMBER: P5723-8130K9

LUMINAIRE: 17" LED Outdoor Wall  
Lantern

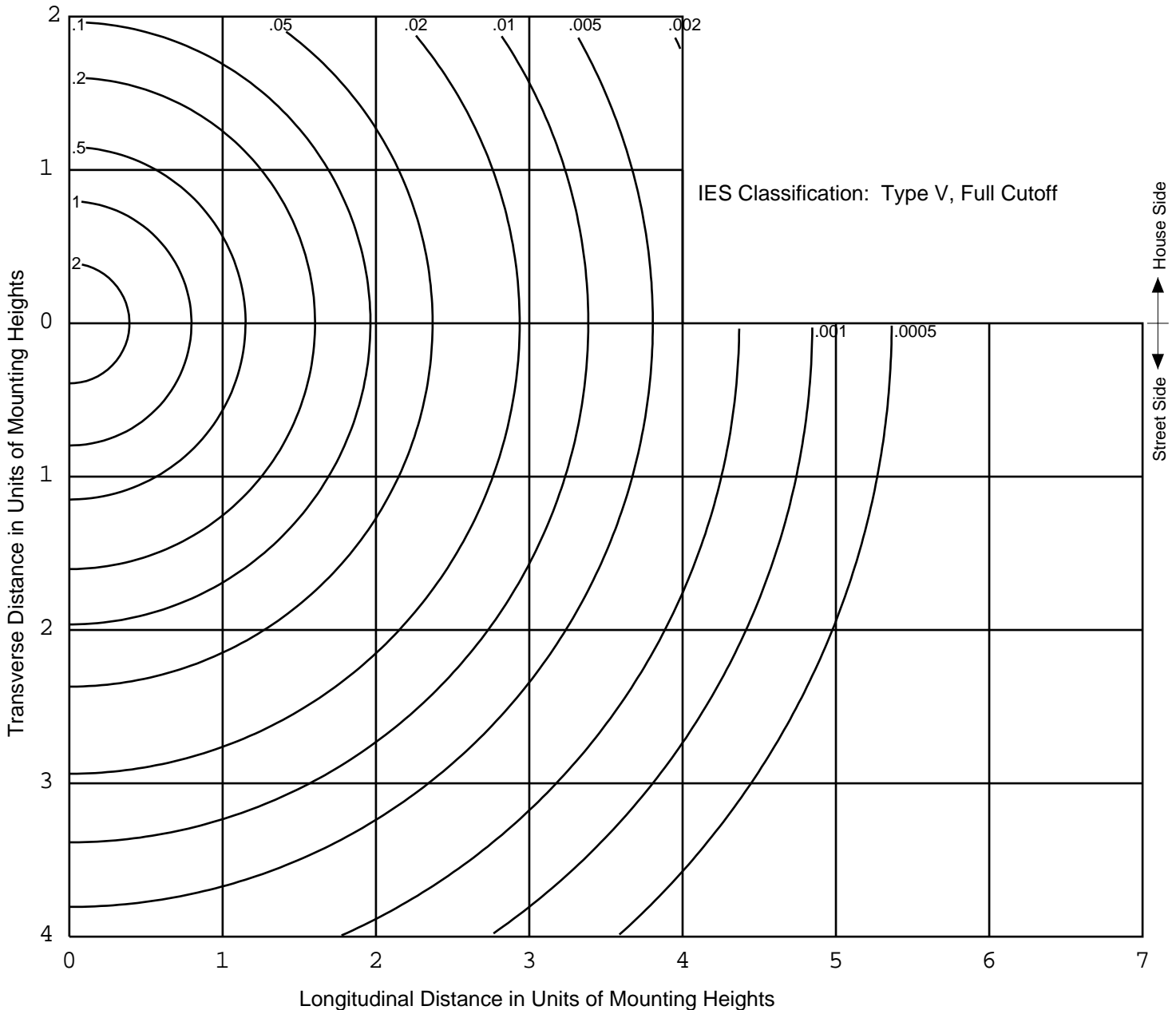
LAMP CAT. NO.: 93047261-4130 Module

LAMP: 40 -Nichia 3000K LEDs

MOUNTING: WALL

NOTE: DATA SHOWN IS ABSOLUTE FOR THE  
SAMPLE PROVIDED.

REFRACTOR: Acrylic - Part #93051083





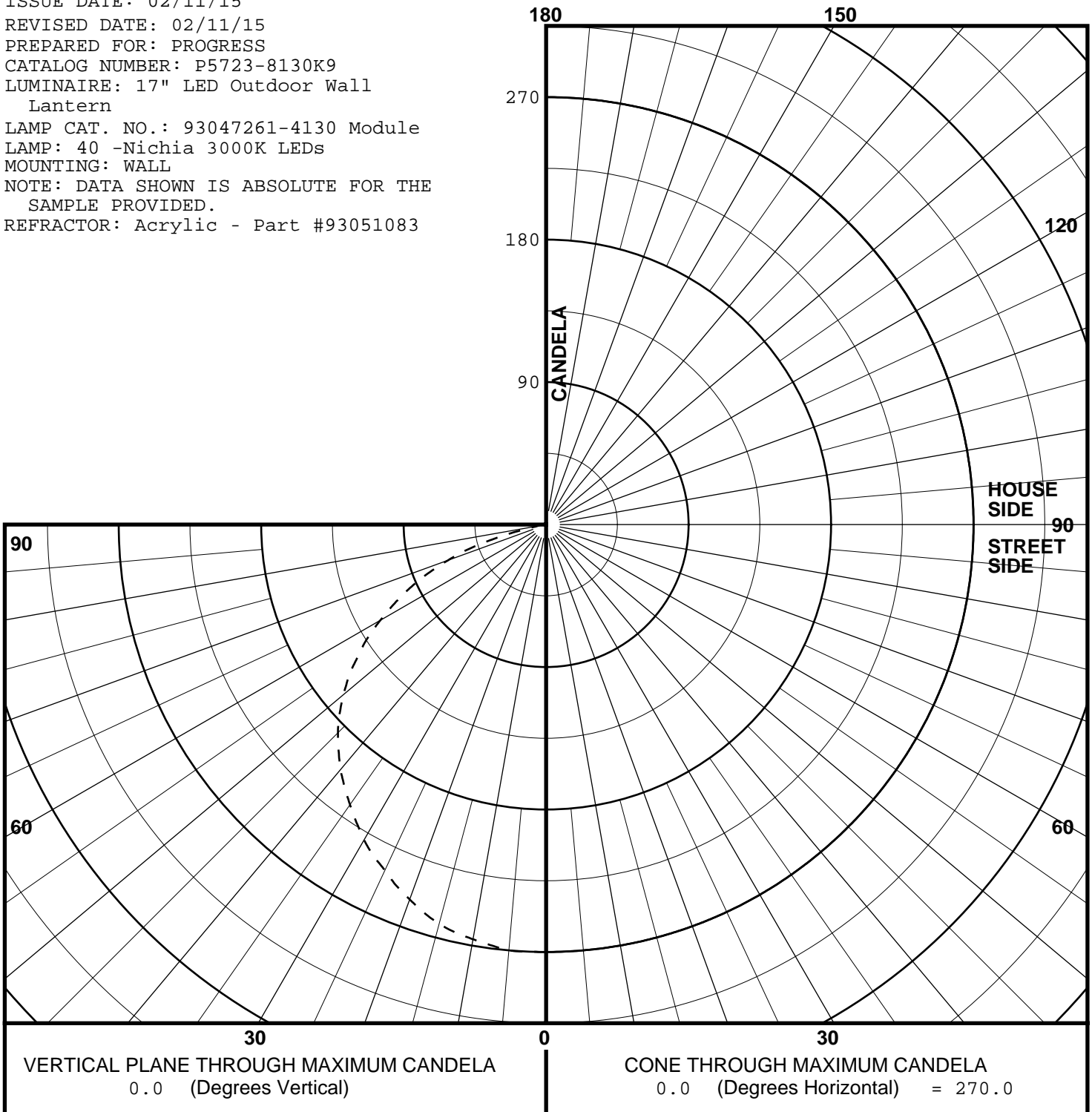
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA





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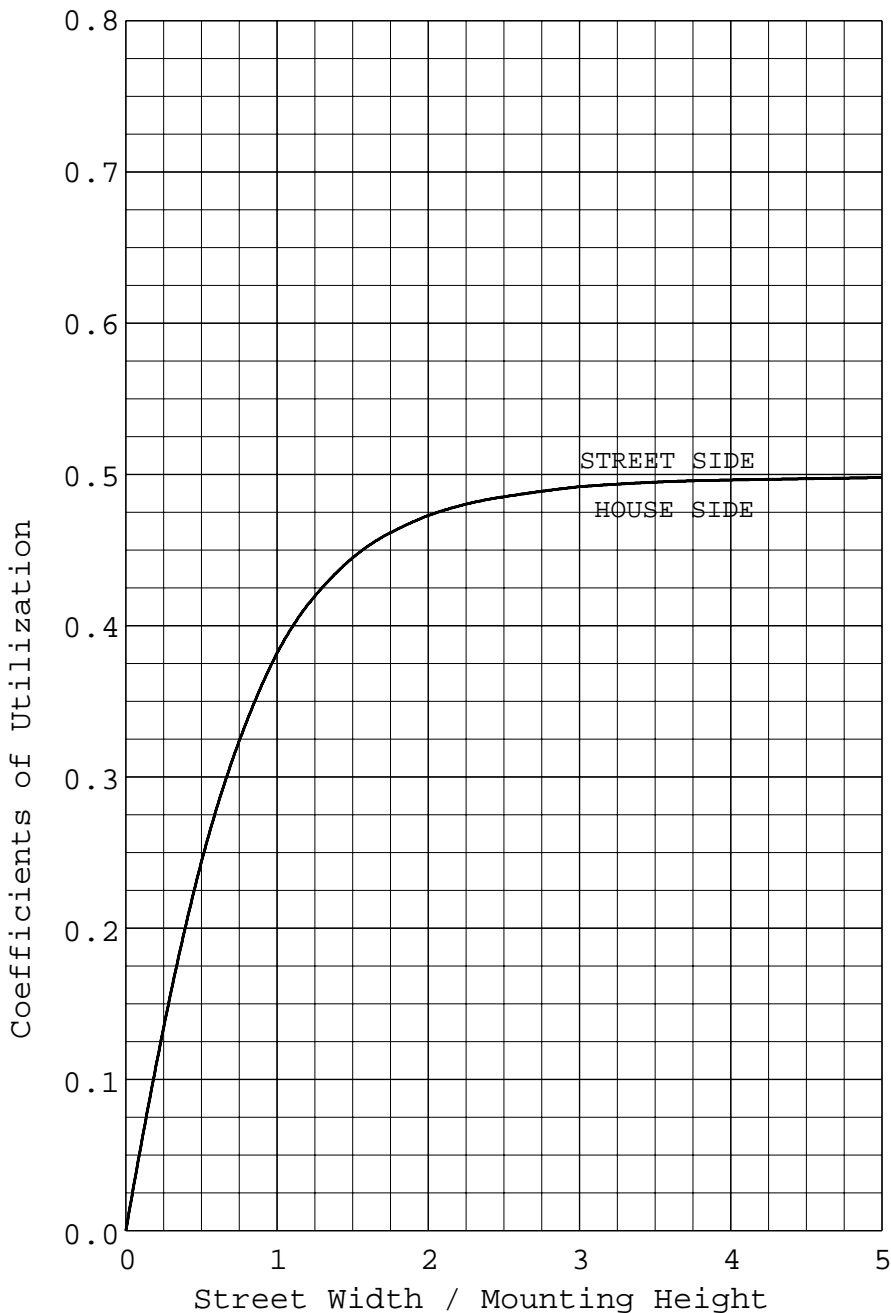
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	376.	50.0
DOWNWARD HOUSE SIDE	376.	50.0
DOWNWARD TOTAL	751.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	751.	100.0
TOTAL INPUT WATTS = 17.1		
EFFICACY = 43.9 Lm/W		

ALL CANDELA AND LUMENS IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES. FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE.



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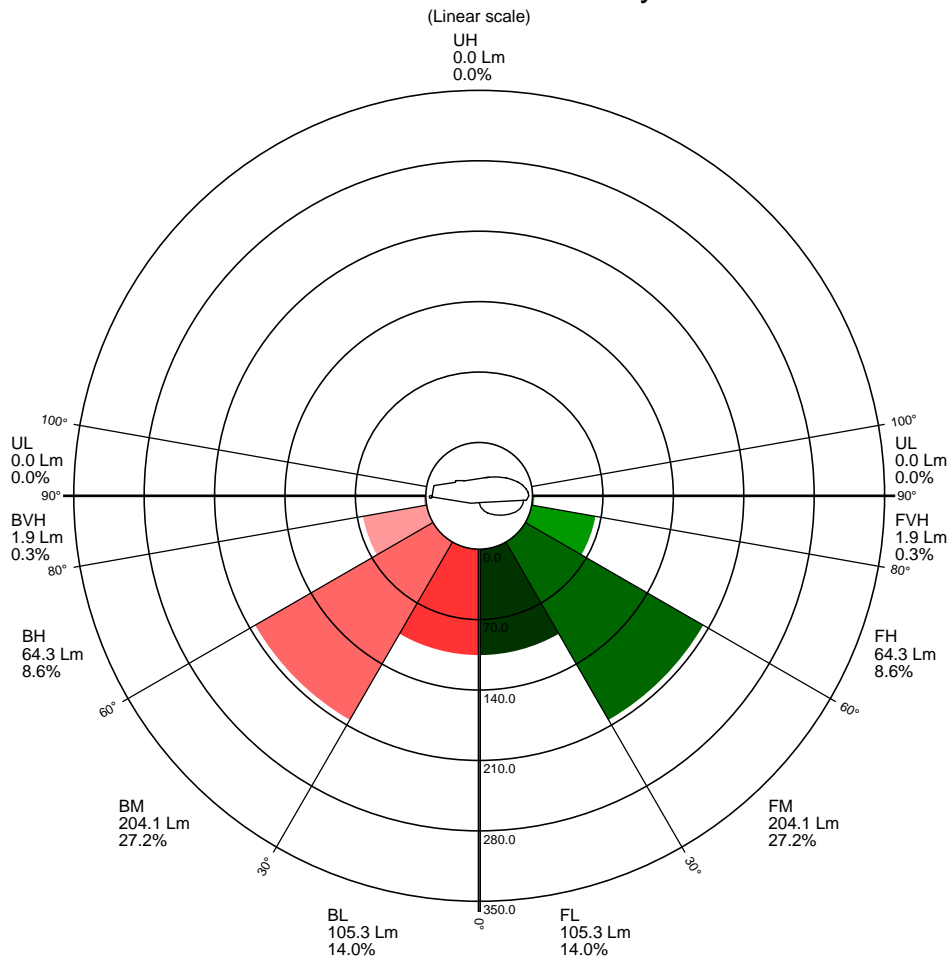


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BUG Rating:			<span style="background-color: red; color: white;">B0</span> <span style="background-color: blue; color: white;">U0</span> <span style="background-color: yellow; color: black;">G0</span>					
Zonal Summary			Lumens	% of Fixture	Zone Ratings			
						B	U	G
Forward			376	50.0				
FL	(0° - 30°)		105.3	14.0				
FM	(30° - 60°)		204.1	27.2				
FH	(60° - 80°)		64.3	8.6	<span style="background-color: yellow; color: black;">G0</span>			
FVH	(80° - 90°)		1.9	0.3	<span style="background-color: yellow; color: black;">G0</span>			
Backward			376	50.0				
BL	(0° - 30°)		105.3	14.0	<span style="background-color: red; color: white;">B0</span>			
BM	(30° - 60°)		204.1	27.2	<span style="background-color: red; color: white;">B0</span>			
BH	(60° - 80°)		64.3	8.6	<span style="background-color: red; color: white;">B0</span>			
BVH	(80° - 90°)		1.9	0.3	<span style="background-color: yellow; color: black;">G0</span>			
Upward			0	0.0				
UL	(90° - 100°)		0.0	0.0	<span style="background-color: blue; color: white;">U0</span>			
UH	(100° - 180°)		0.0	0.0	<span style="background-color: blue; color: white;">U0</span>			
Trapped Light			0	0.0				
Total Flux			751	100.0				

### Zonal Lumen Summary





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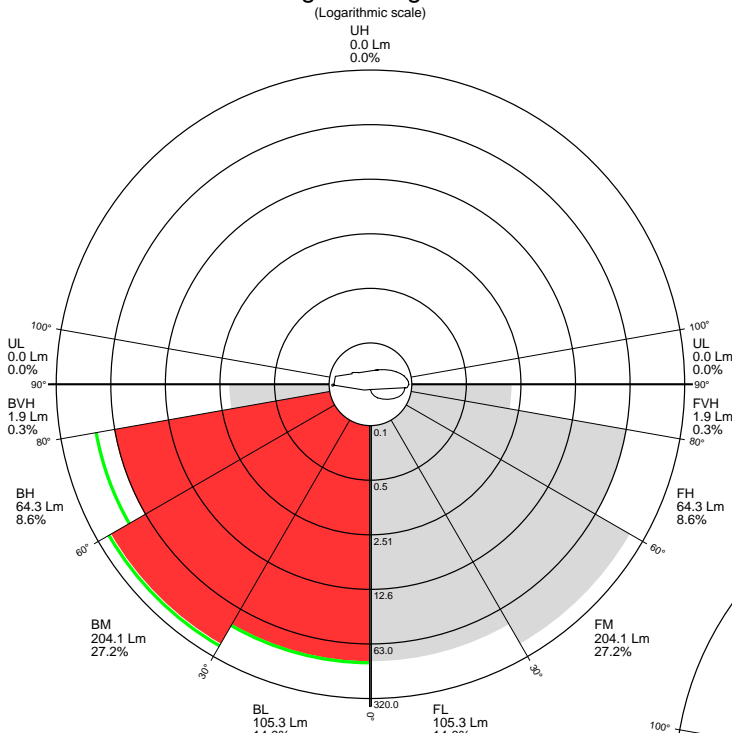
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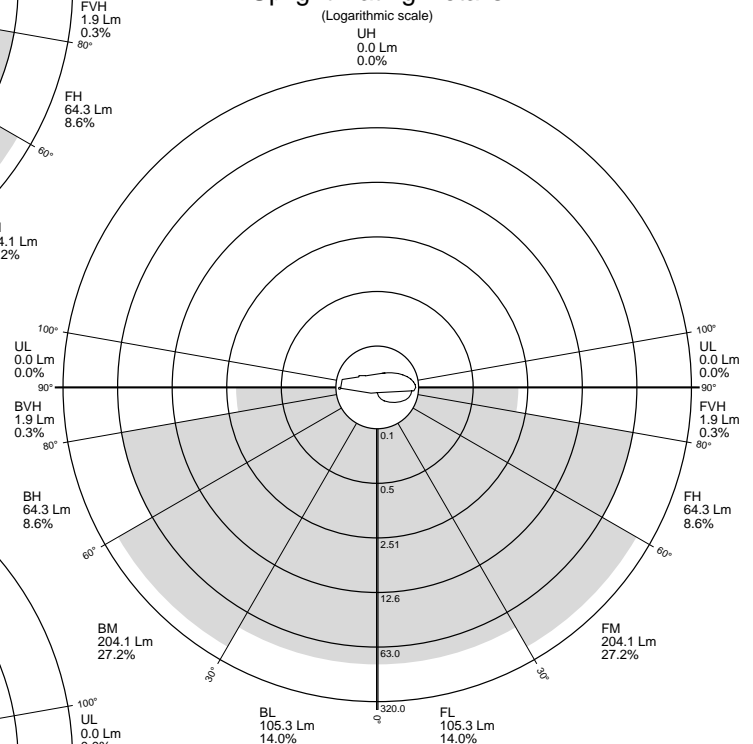
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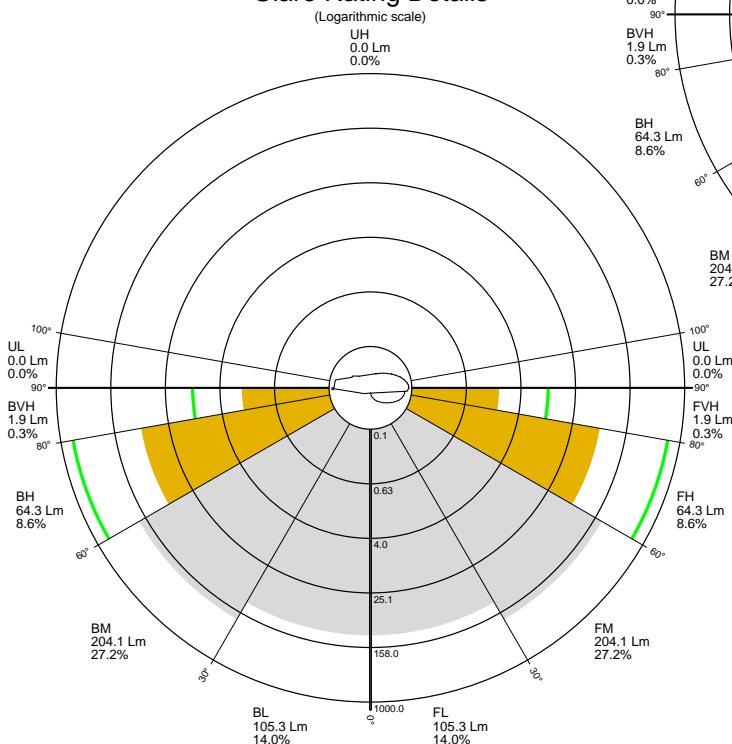
**Backlight Rating Details**



**Uplight Rating Details**



**Glare Rating Details**





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CANDELA TABULATION -- TYPE V

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90.0	0.
87.5	2.
85.0	4.
82.5	5.
80.0	6.
77.5	15.
75.0	32.
72.5	51.
70.0	66.
67.5	81.
65.0	95.
62.5	108.
60.0	121.
57.5	134.
55.0	145.
52.5	157.
50.0	167.
47.5	177.
45.0	186.
42.5	194.
40.0	202.
37.5	209.
35.0	216.
30.0	230.
25.0	241.
20.0	252.
15.0	261.
10.0	266.
5.0	270.<<
0.0	270.<<

<< INDICATES MAXIMUM CANDELA



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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	6
5- 10	19
10- 15	31
15- 20	42
20- 25	52
25- 30	60
30- 35	66
35- 40	70
40- 45	72
45- 50	71
50- 55	68
55- 60	62
60- 65	52
65- 70	41
70- 75	26
75- 80	9
80- 85	3
85- 90	1

10-DEGREE  
ZONAL LUMEN SUMMARY

0- 10	26
0- 20	99
0- 30	211
0- 40	346
0- 50	489
0- 60	619
0- 70	712
0- 80	747
0- 90	751



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### *Goniophotometer Calibration*

*Calibration Lamp:* GE 1000W, 120V, T6, CL (FEL)

*Lamp Number:* ITL78966-1000-38

*Calibration Current:* 8.300 Amps DC

*Total Luminous Flux:* 25753.0 Lumens

*Calibration Date:* 12/02/2014

### *Test Equipment Used*

<i>Instrument</i>	<i>Manufacturer / Model</i>	<i>S/N</i>	<i>Calibration Due:</i>
Goniophotometer	ITL / HLI LAB 1- Test Distance: 31.75'	N/A	
Power Analyzer	Yokogawa / WT 332	C2QA27071V	11/12/2015
Power Source	Voltage-Regulated House Power	N/A	N/A
Thermometer	National Instruments / USB-TC01	176F4E3	11/11/2015

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