

Project Number
15.00508



HUBBELL
Lighting

Date
3/31/2015

LAB 6

Test Sample Description

Catalog Number: P5864-3130K9
Description: Wall Lantern with HAL 17W, 120V module

Test Method: IES LM-79-08 § 10
Preburn Time: 00.45
Time To Stabilize: 0:56
Total Operating Time: 5:30

Input Voltage (Volts): 120.0
Input Current (Amps): 0.140
Input Wattage (Watts): 15.6
Ambient Temp (°C): 24.6



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Greenville, SC 29607
www.hubbellighting.com

Checked: B. FLAUM
Approved: P. McCARTHY





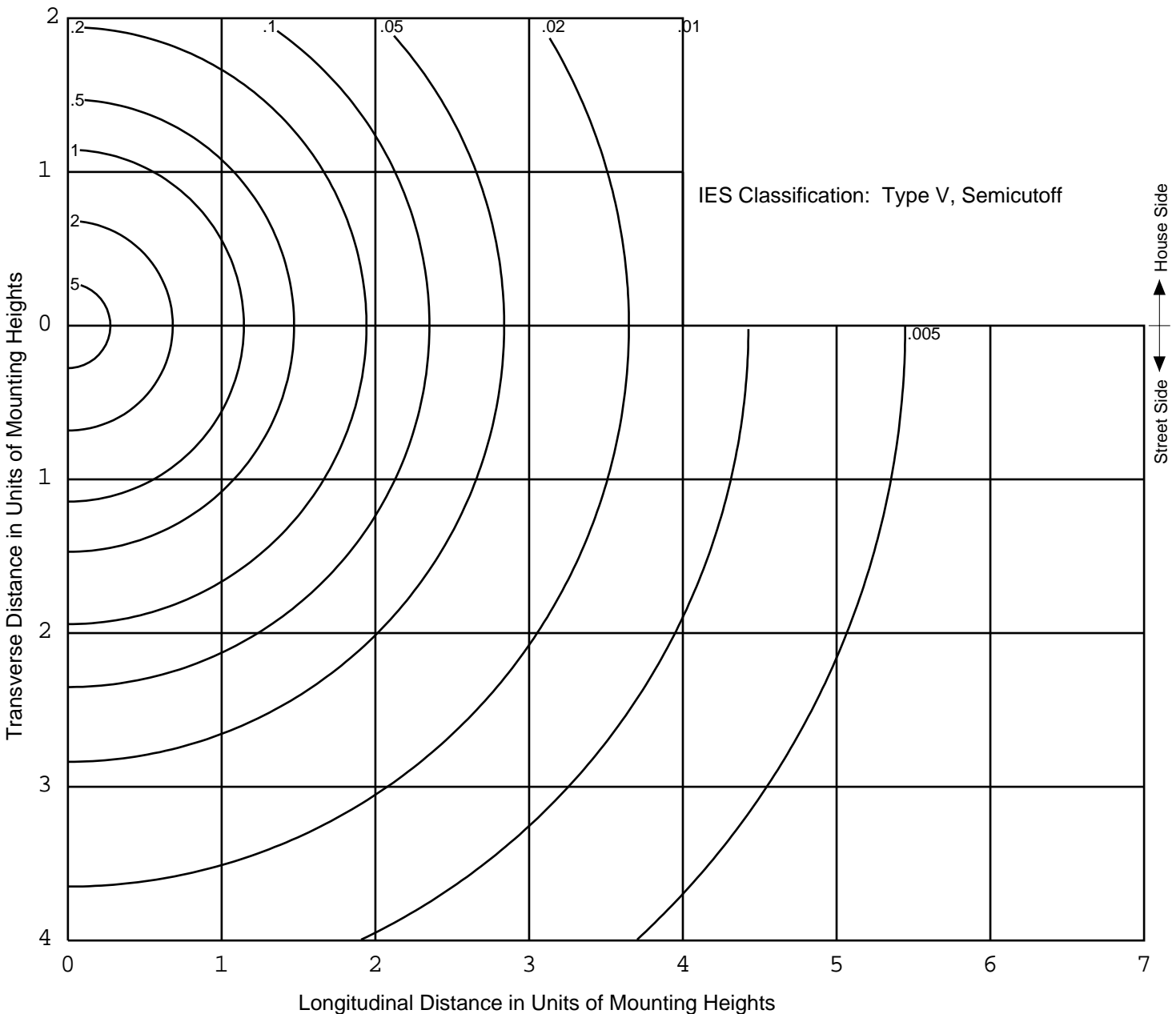
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 6 foot mounting height.

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CATALOG NUMBER: P5864-3130K9
LUMINAIRE: Wall Lantern with HAL 17W,
120V module
LAMP CAT. NO.: 93047261-4130
LAMP: 40 - Nichia 3000K LEDs
MOUNTING: Wall
NOTE: DATA SHOWN IS ABSOLUTE FOR THE
SAMPLE PROVIDED.





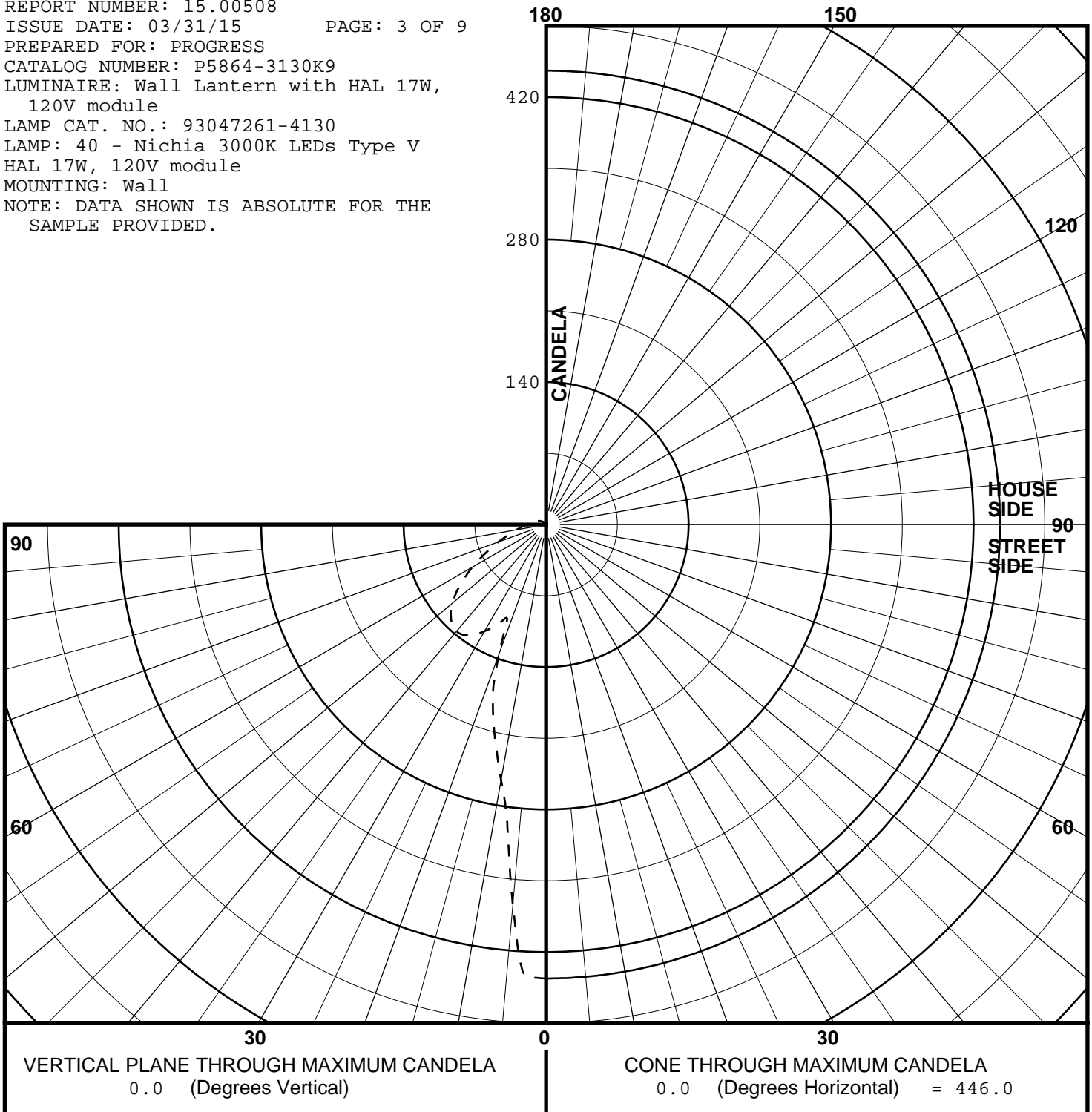
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

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 CATALOG NUMBER: P5864-3130K9
 LUMINAIRE: Wall Lantern with HAL 17W,
 120V module
 LAMP CAT. NO.: 93047261-4130
 LAMP: 40 - Nichia 3000K LEDs Type V
 HAL 17W, 120V module
 MOUNTING: Wall
 NOTE: DATA SHOWN IS ABSOLUTE FOR THE
 SAMPLE PROVIDED.





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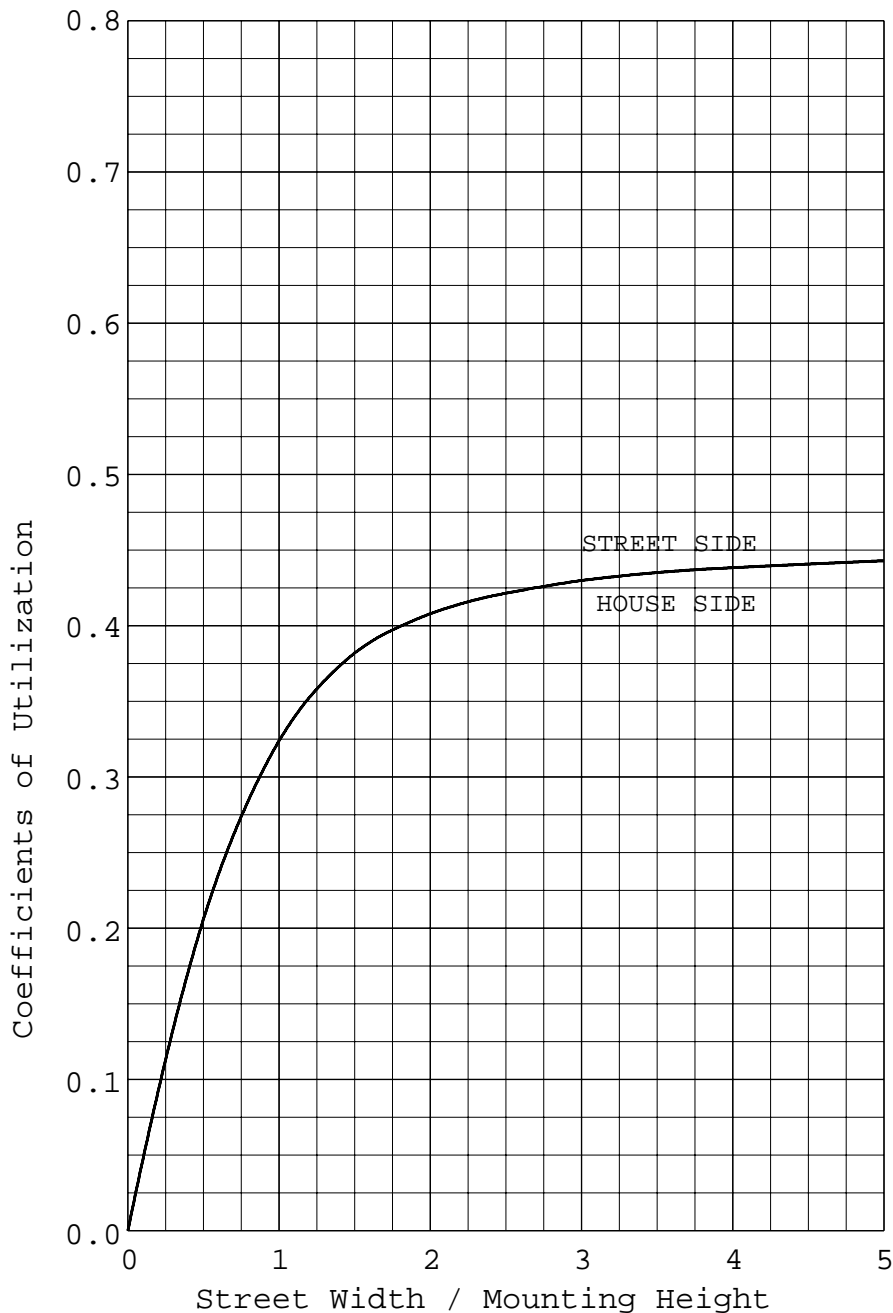
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	273.	46.0
DOWNWARD HOUSE SIDE	273.	46.0
DOWNWARD TOTAL	546.	91.9
UPWARD STREET SIDE	24.	4.0
UPWARD HOUSE SIDE	24.	4.0
UPWARD TOTAL	48.	8.1
TOTAL FLUX	594.	100.0
TOTAL INPUT WATTS = 15.6		
EFFICACY = 38.1 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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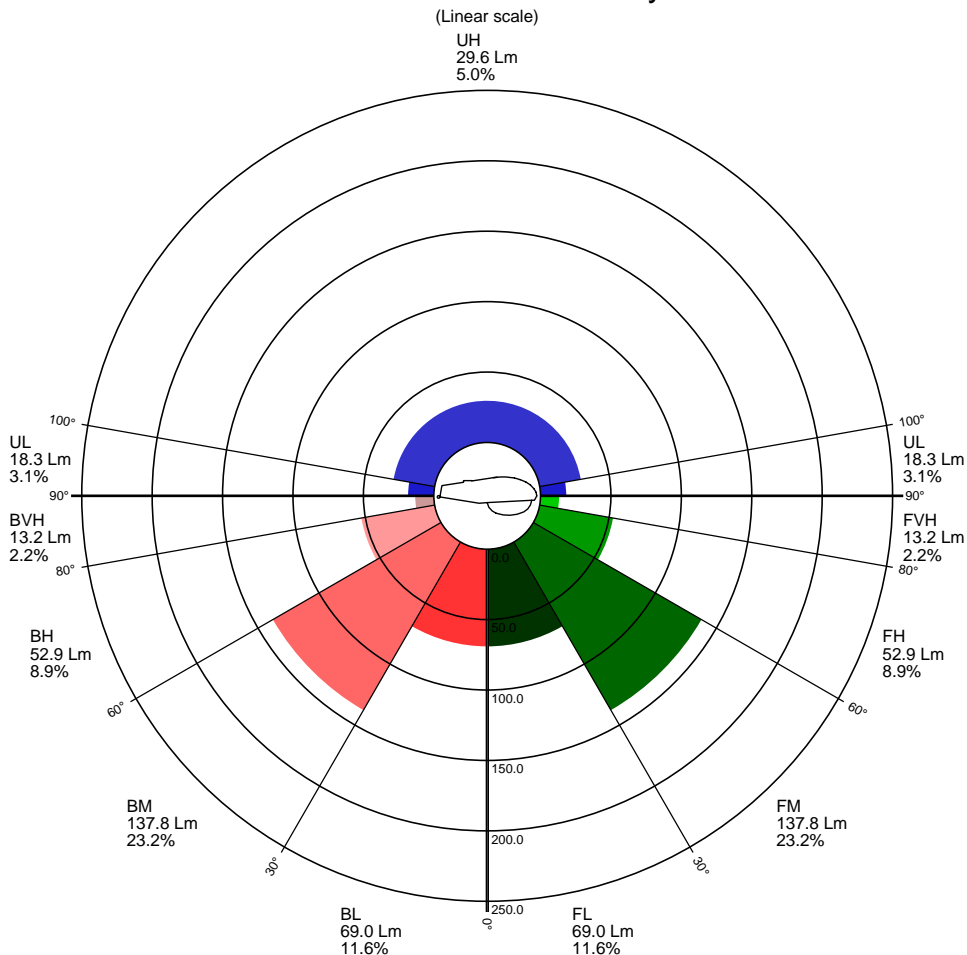


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BUG Rating:				B0	U2	G1
Zonal Summary				Zone Ratings		
		Lumens	% of Fixture	B	U	G
Forward		273	46.0			
FL	(0° - 30°)	69.0	11.6			
FM	(30° - 60°)	137.8	23.2			
FH	(60° - 80°)	52.9	8.9			G0
FVH	(80° - 90°)	13.2	2.2			G1
Backward		273	46.0			
BL	(0° - 30°)	69.0	11.6	B0		
BM	(30° - 60°)	137.8	23.2	B0		
BH	(60° - 80°)	52.9	8.9	B0		G0
BVH	(80° - 90°)	13.2	2.2			G1
Upward		48	8.1			
UL	(90° - 100°)	18.3	3.1		U2	
UH	(100° - 180°)	29.6	5.0		U2	
Trapped Light		0	0.0			
Total Flux		594	100.0			

Zonal Lumen Summary





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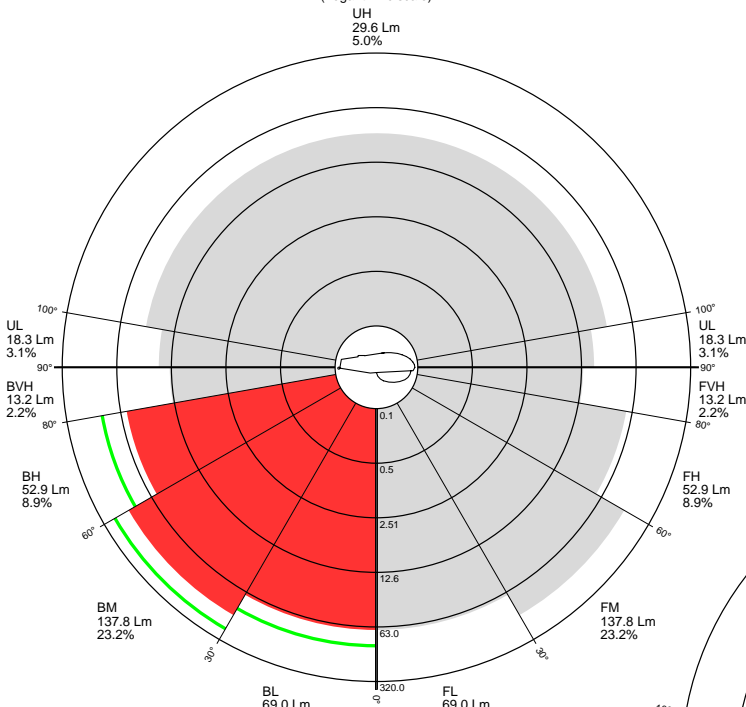
NVLAP LAB CODE: 201003-0

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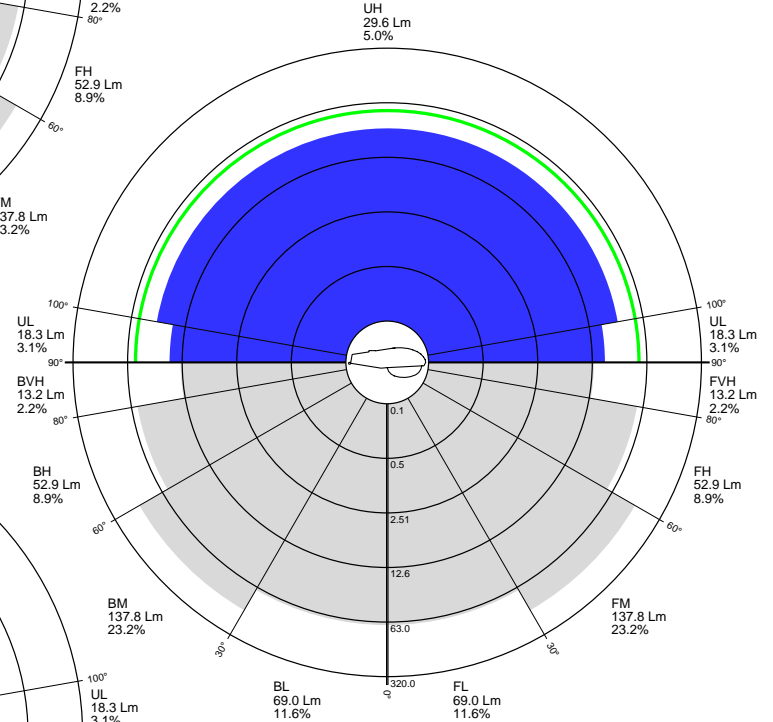
Backlight Rating Details

(Logarithmic scale)



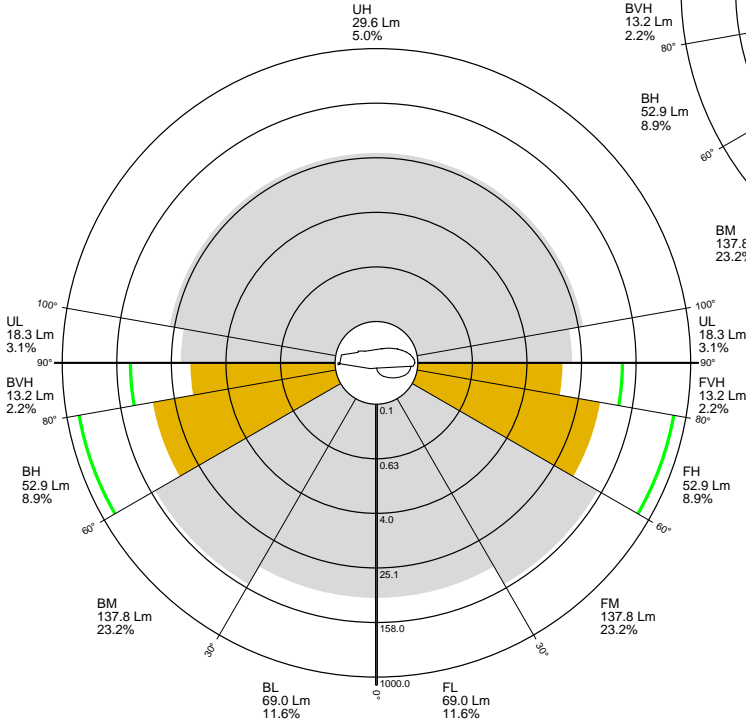
Uplight Rating Details

(Logarithmic scale)



Glare Rating Details

(Logarithmic scale)





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CANDELA TABULATION -- TYPE V

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180.0	0.
175.0	0.
165.0	0.
155.0	0.
145.0	1.
135.0	3.
125.0	6.
115.0	8.
105.0	12.
95.0	17.
90.0	20.
87.5	22.
85.0	24.
82.5	26.
80.0	30.
77.5	33.
75.0	38.
72.5	43.
70.0	50.
67.5	57.
65.0	65.
62.5	74.
60.0	84.
57.5	93.
55.0	103.
52.5	112.
50.0	120.
47.5	127.
45.0	132.
42.5	136.
40.0	137.
37.5	136.
35.0	133.
30.0	121.
25.0	106.
20.0	135.
15.0	200.
10.0	255.
5.0	375.
0.0	446.<<

<< INDICATES MAXIMUM CANDELA



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	10
5- 10	21
10- 15	27
15- 20	28
20- 25	23
25- 30	29
30- 35	38
35- 40	45
40- 45	50
45- 50	51
50- 55	49
55- 60	43
60- 65	36
65- 70	29
70- 75	23
75- 80	18
80- 85	14
85- 90	12
90- 95	10
95-100	8
100-105	7
105-110	6
110-115	5
115-120	4
120-125	3
125-130	2
130-135	2
135-140	1
140-145	1
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	31
0- 20	86
0- 30	138
0- 40	221
0- 50	322
0- 60	414
0- 70	479
0- 80	519
0- 90	546
0-100	564
0-110	577
0-120	585
0-130	590
0-140	593
0-150	594
0-160	594
0-170	594
0-180	594

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3/31/2015

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: 11/24/2014

Test Equipment Used

<i>Instrument</i>	<i>Manufacturer / Model</i>	<i>S/N</i>	<i>Calibration Due:</i>
Goniophotometer	ITL / HLI LAB 6 - Test Distance: 31.3'	N/A	N/A
Power Analyzer	Yokogawa / WT 332	C2QA27076V	11/12/2015
Power Source	Voltage-Regulated House Power	N/A	N/A
Thermometer	National Instruments / USB-TC01	1912745	11/11/2015

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This report shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.