

Project Number
15.00602



HUBBELL
Lighting

Date
4/17/2015

LAB 1

Test Sample Description

Catalog Number: P5862-3130K9
Description: Westport (6 7/8") One-light LED Wall Lantern

Test Method: IES LM-79-08 § 10
Preburn Time: 00:00
Time To Stabilize: 2:30
Total Operating Time: 3:51

Input Voltage (Volts): 120.1
Input Current (Amps): 0.067
Input Wattage (Watts): 7.6
Ambient Temp (°C): 25.2



Hubbell Lighting, Inc.

701 Millennium Boulevard
Greenville, SC 29607
www.hubbellighting.com

Checked: D. BLACK
Approved: M. WASHBURN

NVLAP[®]
NVLAP LAB CODE: 201003-0



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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 6.5 foot mounting height.

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PREPARED FOR: PROGRESS

PROGRESS

CATALOG NUMBER: P5862-3130K9

LUMINAIRE: Westport (6 7/8") One-light
LED Wall Lantern

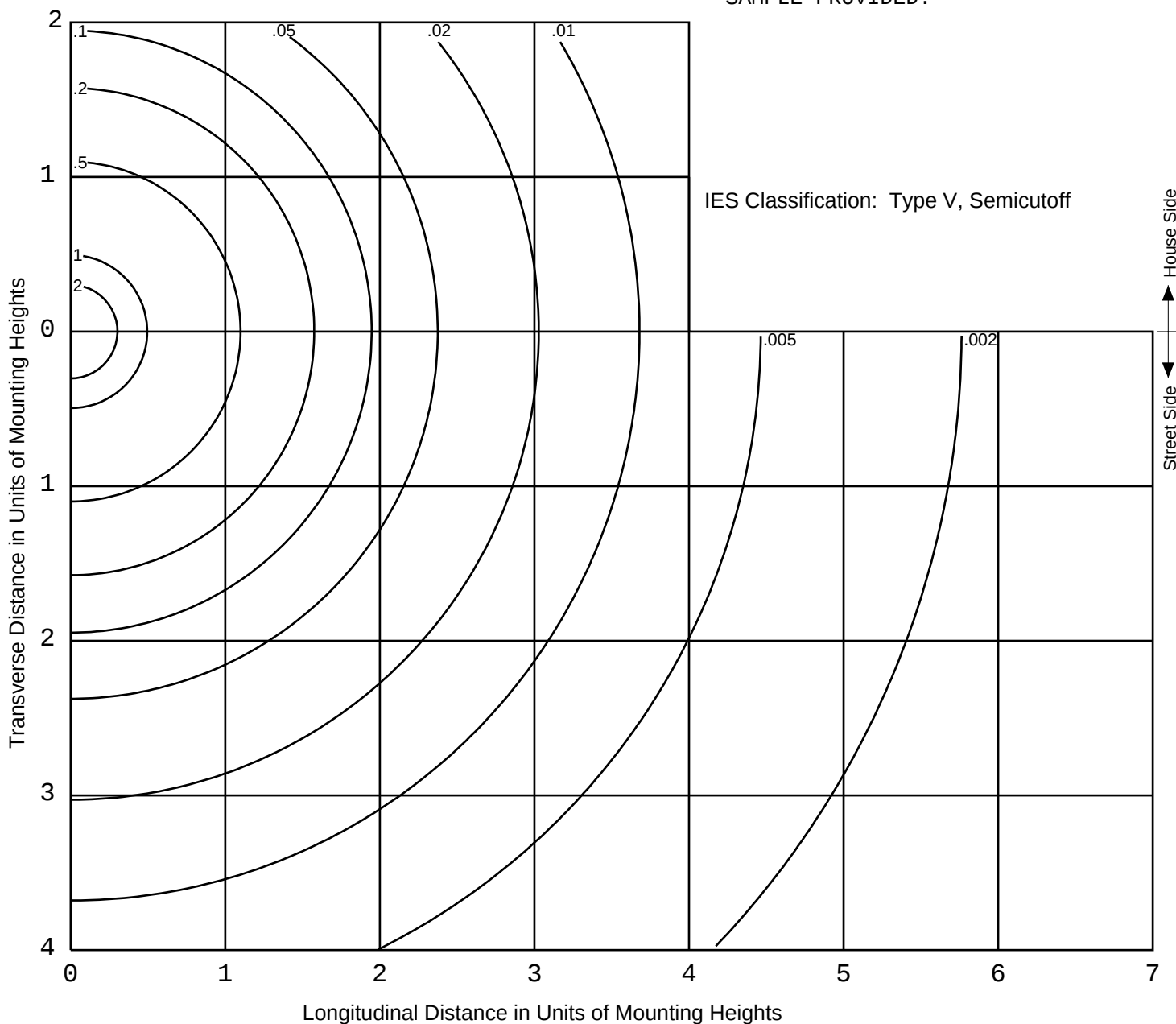
LAMP CAT. NO.: 93047261-4130

LAMP: 20 - NICHIA 3000K LEDs (9W HAL
MODULE)

REFRACTOR: Etched Seeded Glass Part
#93019349

MOUNTING: Wall

NOTE: DATA SHOWN IS ABSOLUTE FOR THE
SAMPLE PROVIDED.





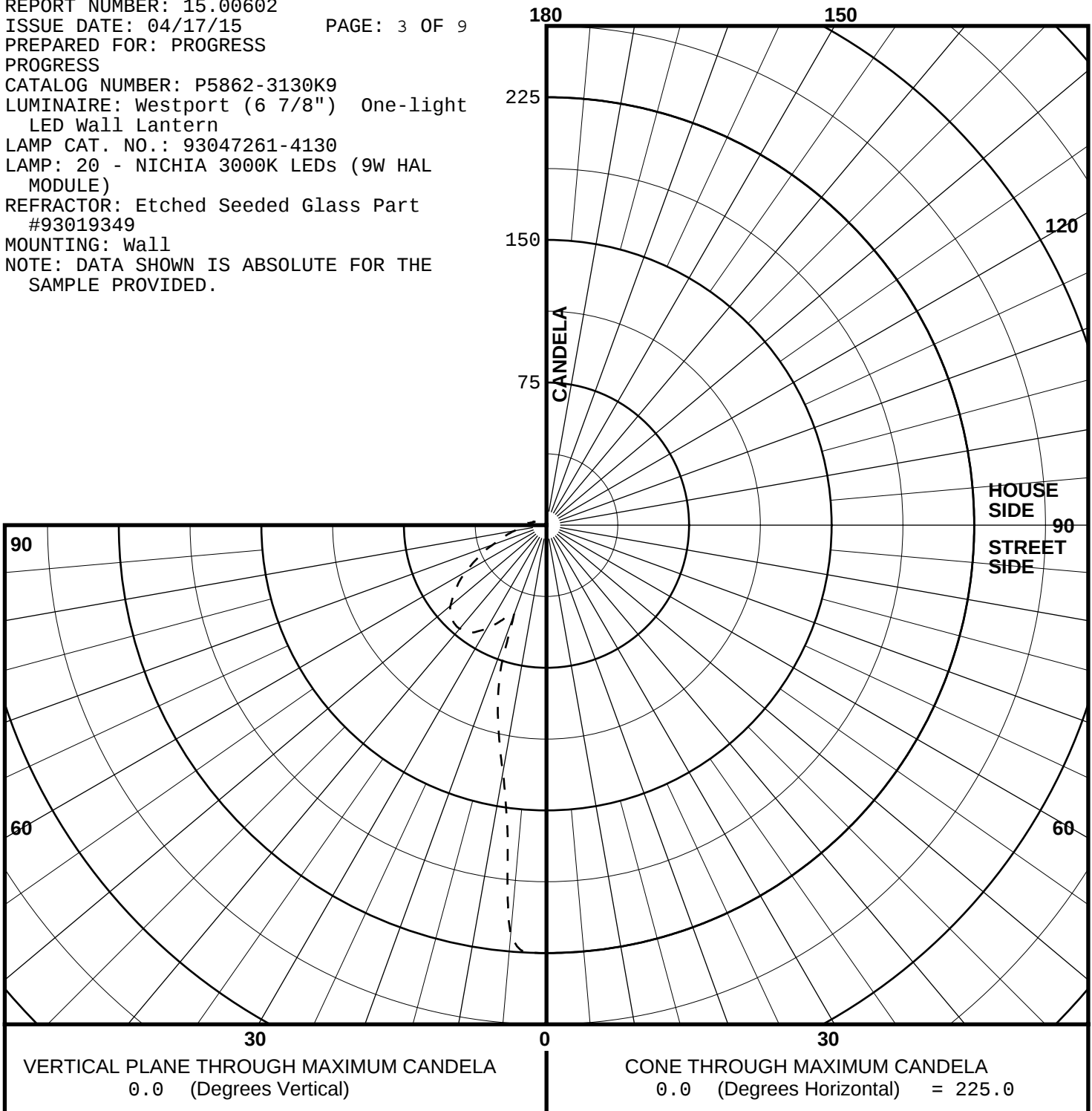
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

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PROGRESS
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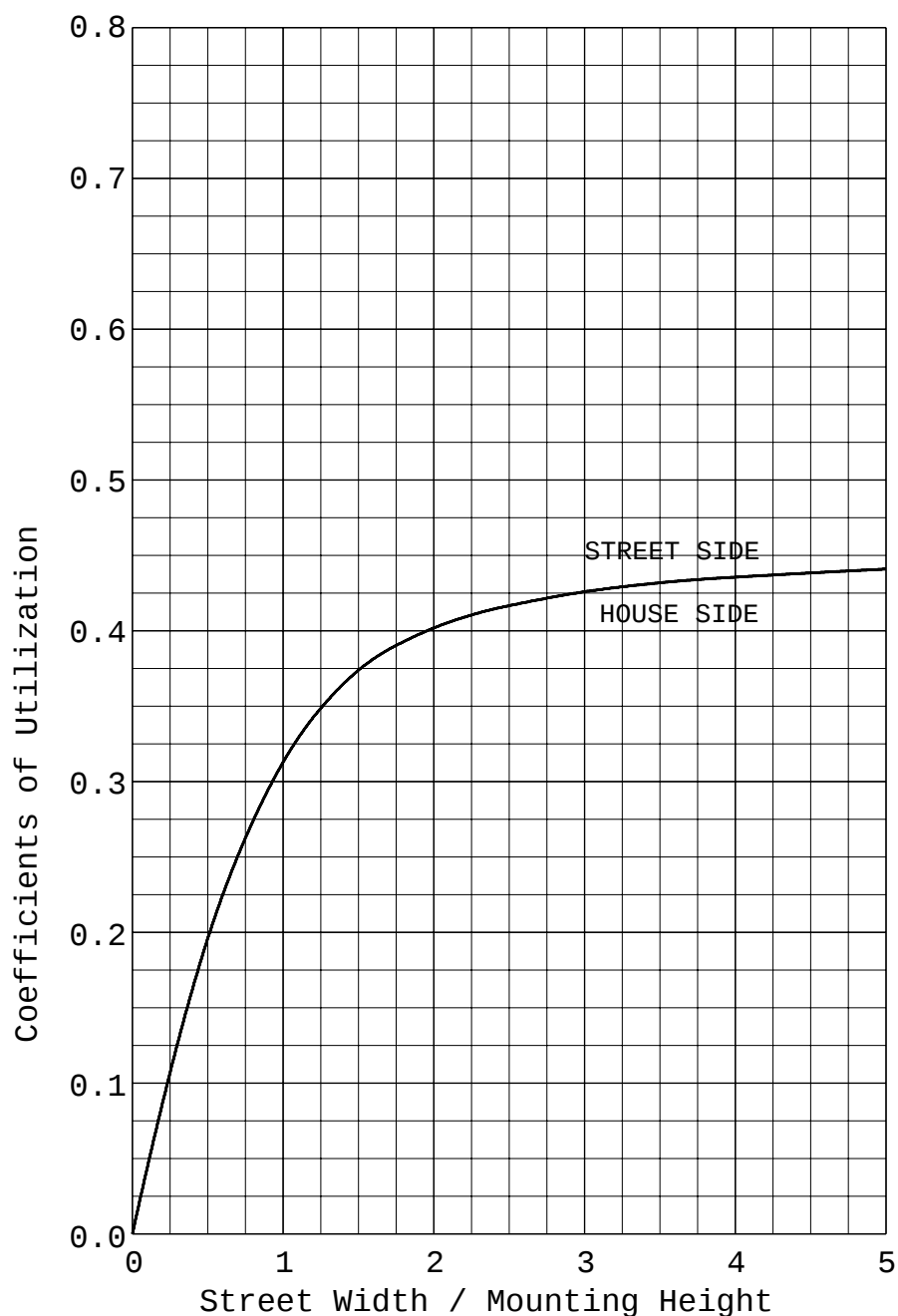
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	148.	45.9
DOWNWARD HOUSE SIDE	148.	45.9
DOWNWARD TOTAL	296.	91.8
UPWARD STREET SIDE	13.	4.1
UPWARD HOUSE SIDE	13.	4.1
UPWARD TOTAL	26.	8.2
TOTAL FLUX	322.	100.0
TOTAL INPUT WATTS = 7.6		
EFFICACY = 42.4 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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BUG Rating:

Zonal Summary

Lumens

% of Fixture

B0 U2 G0

Zone Ratings

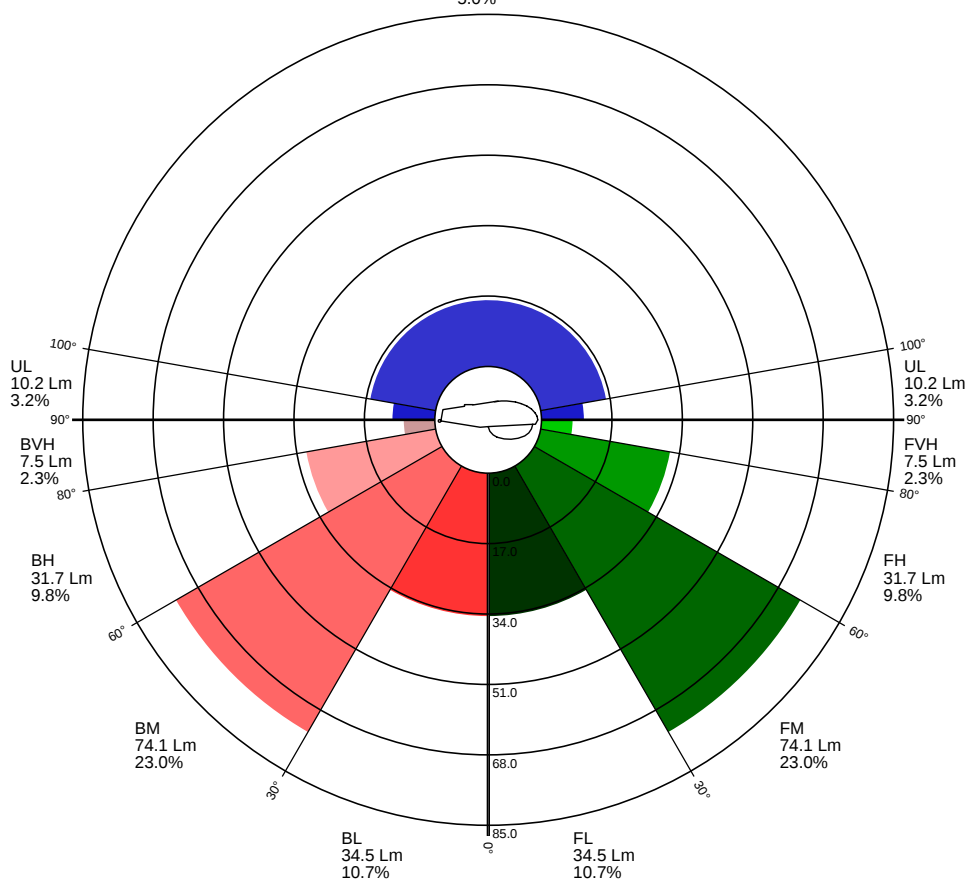
B U G

Forward		148	45.9			
FL	(0° - 30°)	34.5	10.7			
FM	(30° - 60°)	74.1	23.0			
FH	(60° - 80°)	31.7	9.8			G0
FVH	(80° - 90°)	7.5	2.3			G0
Backward		148	45.9			
BL	(0° - 30°)	34.5	10.7	B0		
BM	(30° - 60°)	74.1	23.0	B0		
BH	(60° - 80°)	31.7	9.8	B0		G0
BVH	(80° - 90°)	7.5	2.3			G0
Upward		26	8.2			
UL	(90° - 100°)	10.2	3.2		U2	
UH	(100° - 180°)	16.0	5.0		U2	
Trapped Light		0	0.0			
Total Flux		322	100.0			

Zonal Lumen Summary

(Linear scale)

UH
16.0 Lm
5.0%





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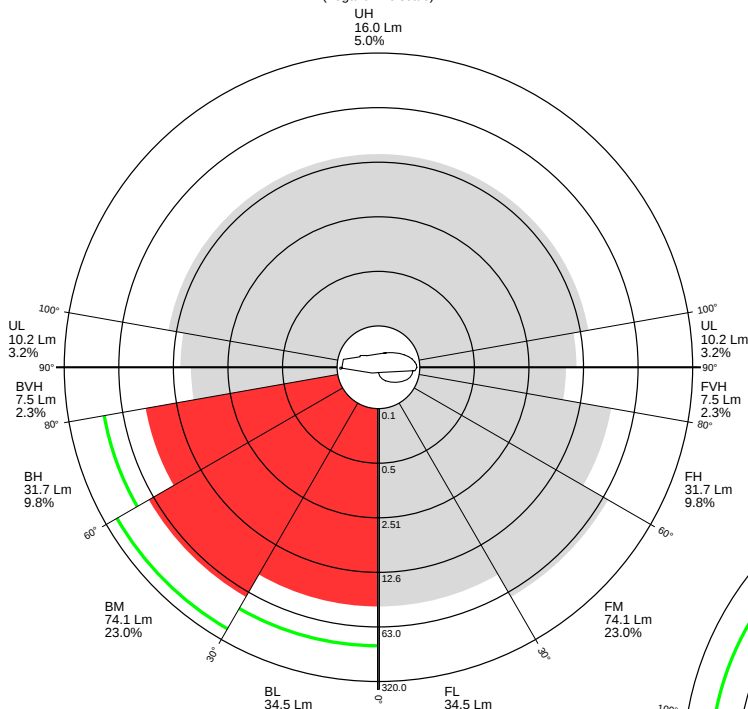
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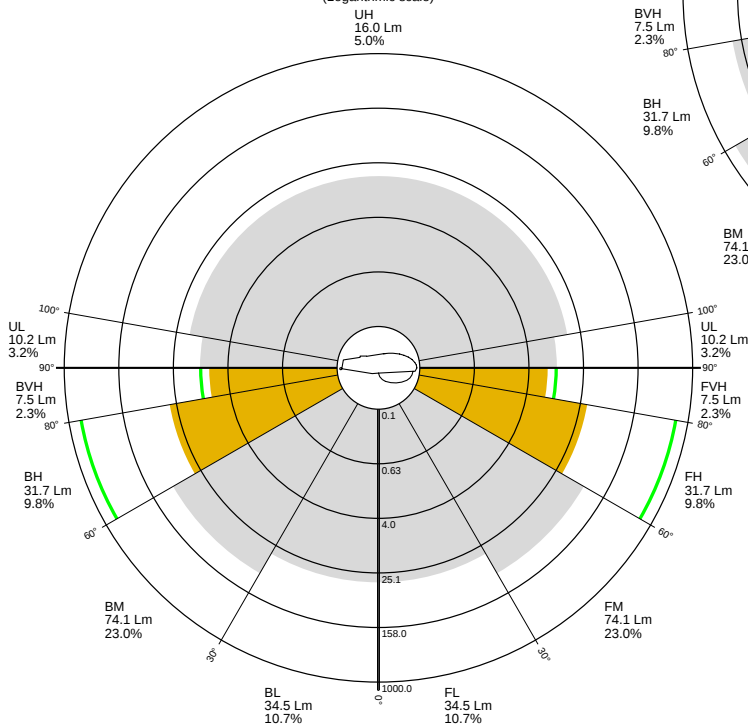
Backlight Rating Details

(Logarithmic scale)



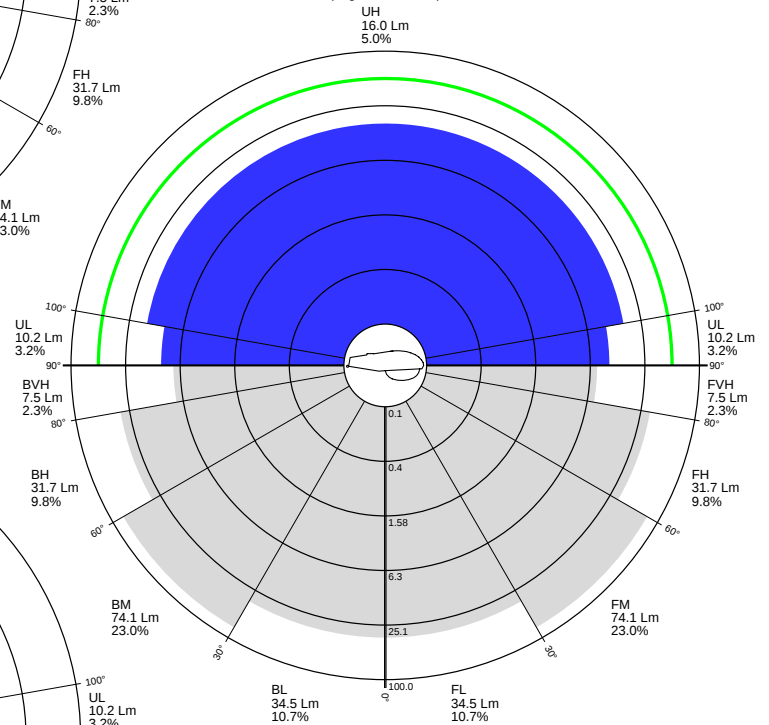
Glare Rating Details

(Logarithmic scale)



Uplight 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	2.
125.0	3.
115.0	5.
105.0	7.
95.0	9.
90.0	11.
87.5	12.
85.0	14.
82.5	15.
80.0	17.
77.5	20.
75.0	23.
72.5	26.
70.0	30.
67.5	35.
65.0	39.
62.5	44.
60.0	49.
57.5	54.
55.0	58.
52.5	62.
50.0	66.
47.5	68.
45.0	70.
42.5	71.
40.0	71.
37.5	70.
35.0	69.
30.0	63.
25.0	55.
20.0	50.
15.0	99.
10.0	132.
5.0	216.
0.0	225.<<

<< INDICATES MAXIMUM CANDELA



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	5
5- 10	12
10- 15	14
15- 20	13
20- 25	11
25- 30	15
30- 35	19
35- 40	23
40- 45	26
45- 50	27
50- 55	27
55- 60	25
60- 65	21
65- 70	18
70- 75	14
75- 80	11
80- 85	8
85- 90	7
90- 95	5
95-100	5
100-105	4
105-110	3
110-115	3
115-120	2
120-125	2
125-130	1
130-135	1
135-140	0
140-145	0
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	17
0- 20	43
0- 30	69
0- 40	112
0- 50	165
0- 60	217
0- 70	256
0- 80	281
0- 90	296
0-100	306
0-110	313
0-120	317
0-130	320
0-140	321
0-150	322
0-160	322
0-170	322
0-180	322

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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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