



HUBBELL
Lighting

LAB 1

Catalog Number: P6084-3130K9

Description: 1-Lt. Small LED Wall Lantern w/ HAL 9 W Module

Test Method: IES LM-79-08 § 10

Preburn Time: 00:10

Time To Stabilize: 2:40

Total Operating Time: 4:05

Input Voltage (Volts): 120.1

Input Current (Amps): 0.068

Input Wattage (Watts): 7.6

Ambient Temp (°C): 25.2



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

Checked: D. ROBBINS
Approved: M. WASHBURN

NVLAP[®]
NVLAP LAB CODE: 201003-0

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



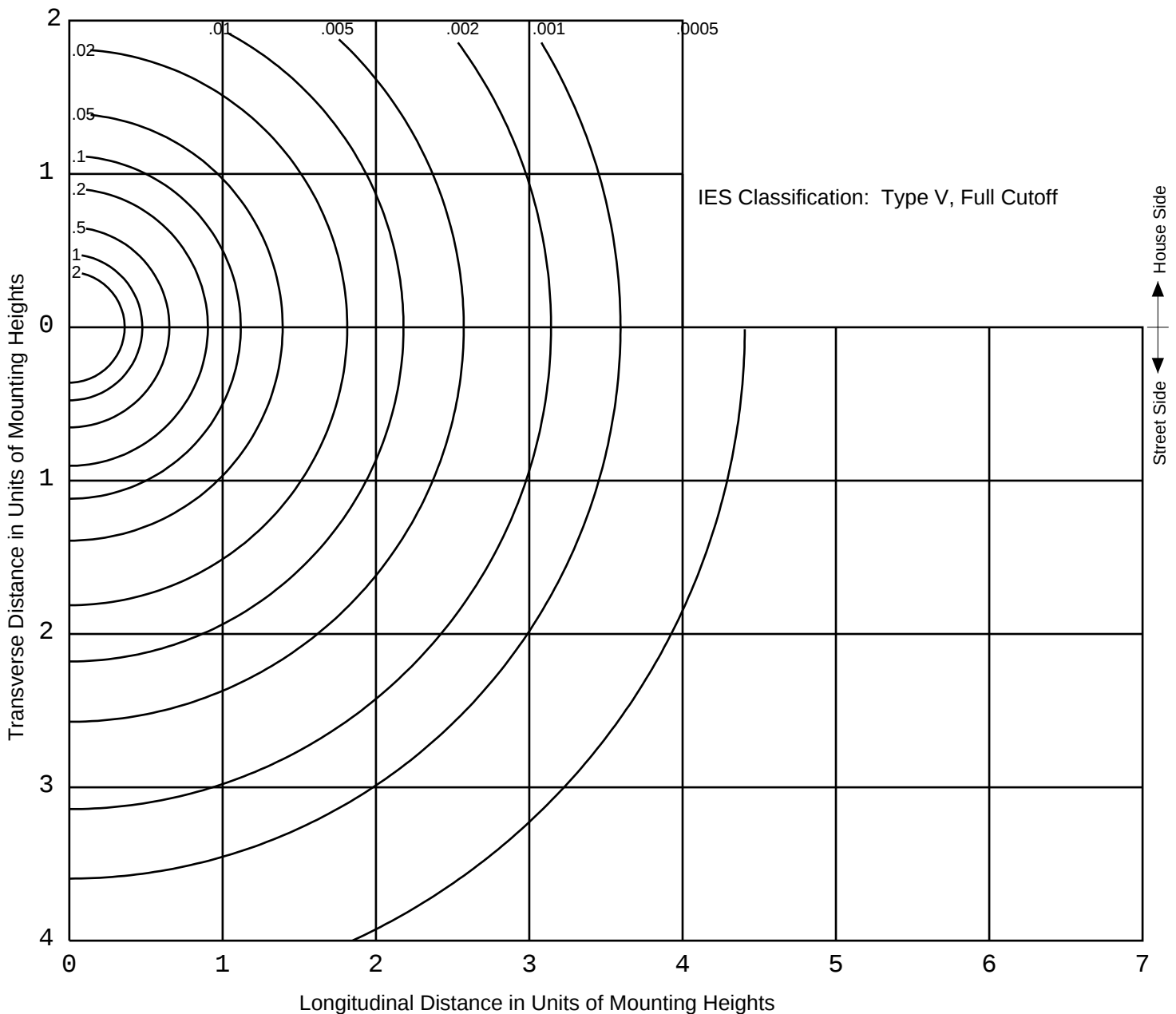
HUBBELL
Lighting

701 Millennium Blvd
Greenville, SC 29607
www.hubbelllighting.com



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 6.6 foot mounting height.

REPORT NUMBER: 15.00857
ISSUE DATE: 05/26/15 PAGE: 2 OF 9
PREPARED FOR: PROGRESS
CATALOG NUMBER: P6084-3130K9
LUMINAIRE: 1-Lt. Small LED Wall Lantern
w/ HAL 9 W Module
LAMP CAT. NO.: 93049180-3130
LAMP: 20 - NICHIA 3000K LEDs
REFRACTOR: Etched White Linen Glass
Shade Part# 93061283 w/ Metal
Cylinder insert painted Gloss White
MOUNTING: wall
NOTE: DATA SHOWN IS ABSOLUTE FOR THE
SAMPLE PROVIDED.





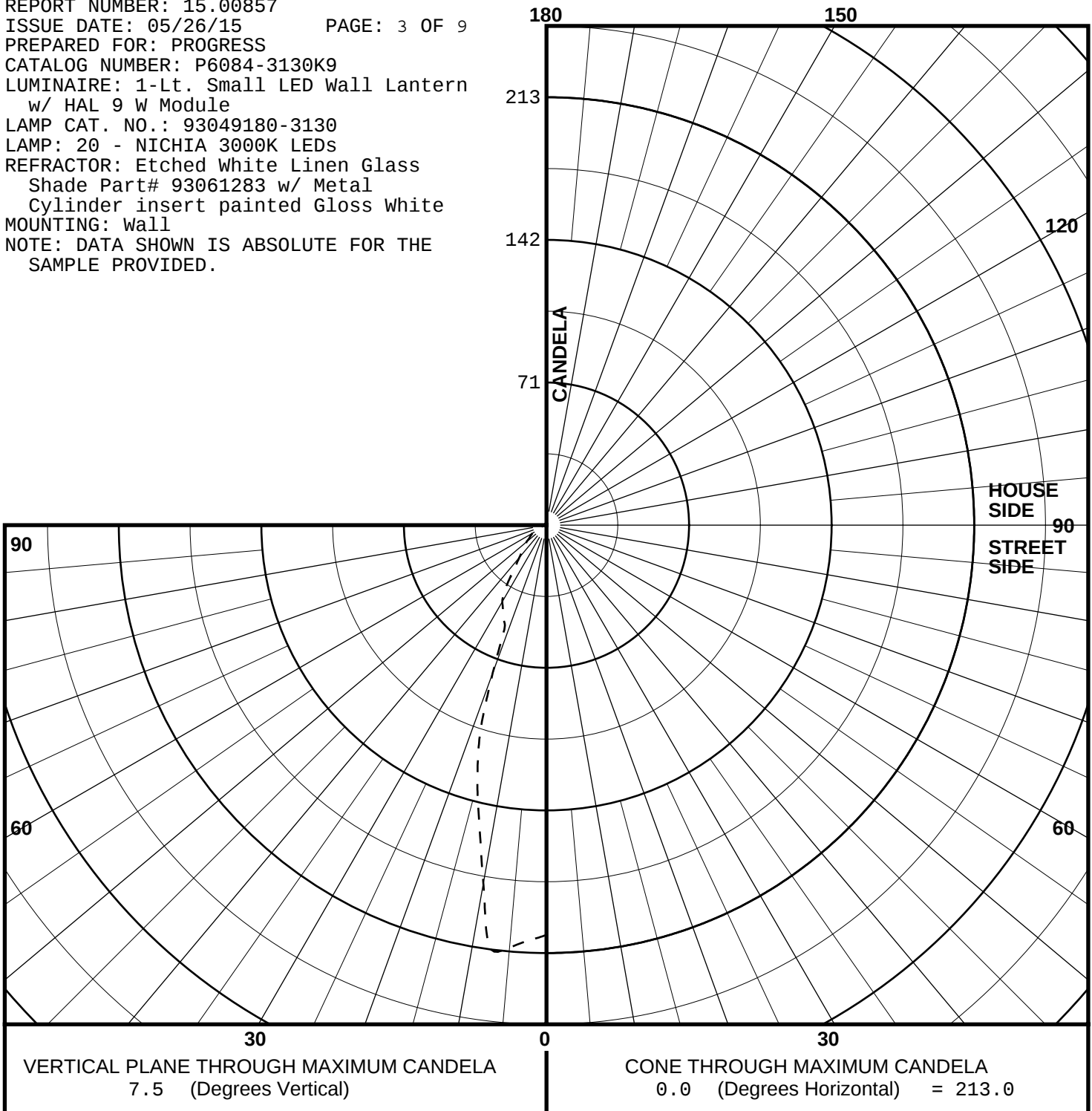
HUBBELL
Lighting

701 Millennium Blvd
Greenville, SC 29607
www.hubbelllighting.com



MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

REPORT NUMBER: 15.00857
ISSUE DATE: 05/26/15 PAGE: 3 OF 9
PREPARED FOR: PROGRESS
CATALOG NUMBER: P6084-3130K9
LUMINAIRE: 1-Lt. Small LED Wall Lantern
w/ HAL 9 W Module
LAMP CAT. NO.: 93049180-3130
LAMP: 20 - NICHIA 3000K LEDs
REFRACTOR: Etched White Linen Glass
Shade Part# 93061283 w/ Metal
Cylinder insert painted Gloss White
MOUNTING: Wall
NOTE: DATA SHOWN IS ABSOLUTE FOR THE
SAMPLE PROVIDED.





HUBBELL
Lighting

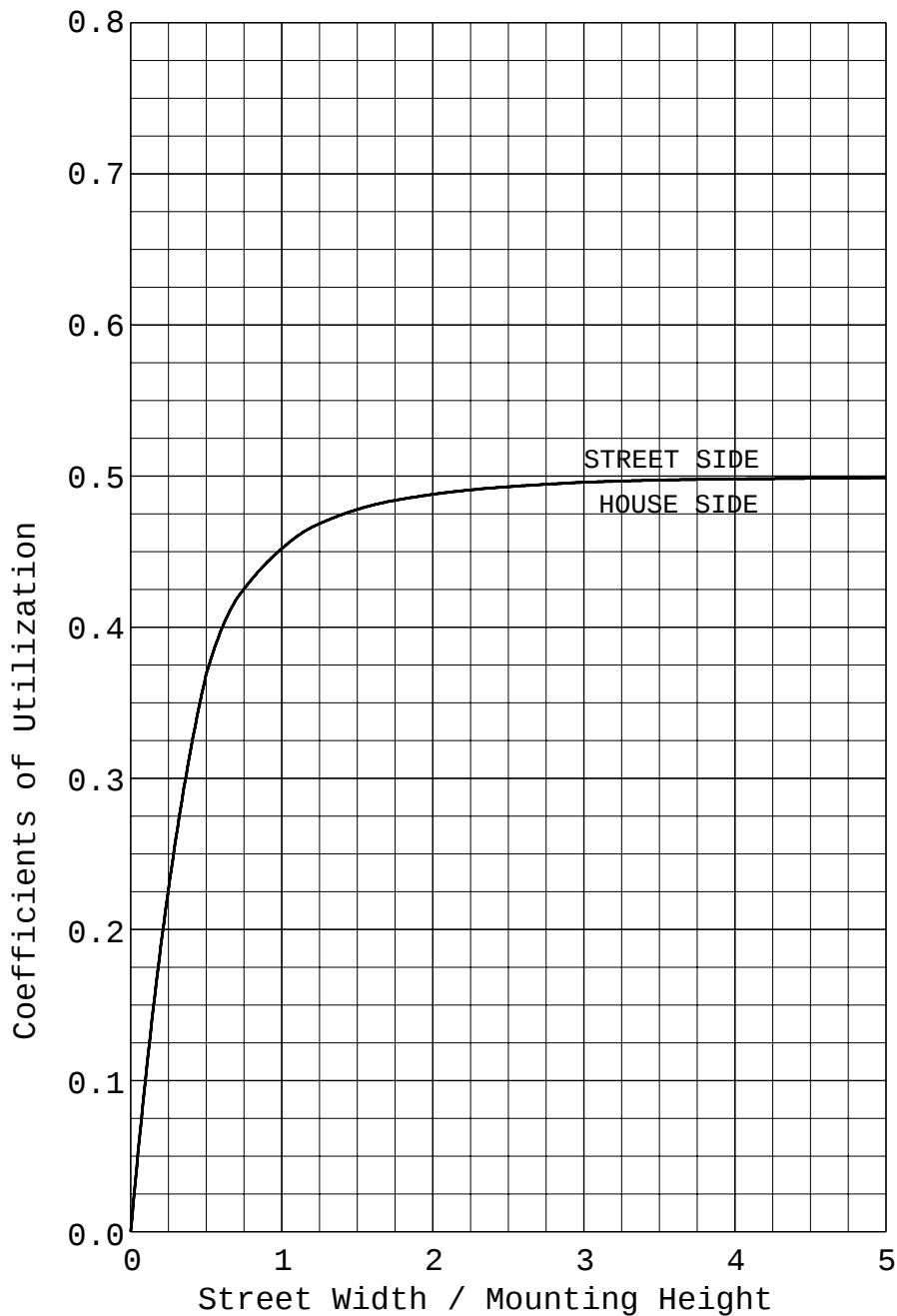
701 Millennium Blvd
Greenville, SC 29607
www.hubbellighting.com



REPORT NUMBER: 15.00857
ISSUE DATE: 05/26/15
PREPARED FOR: PROGRESS

PAGE: 4 OF 9

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	65.	50.0
DOWNWARD HOUSE SIDE	65.	50.0
DOWNWARD TOTAL	130.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	130.	100.0
TOTAL INPUT WATTS = 7.6		
EFFICACY = 17.1 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.



HUBBELL
Lighting

701 Millennium Blvd
Greenville, SC 29607
www.hubbelllighting.com

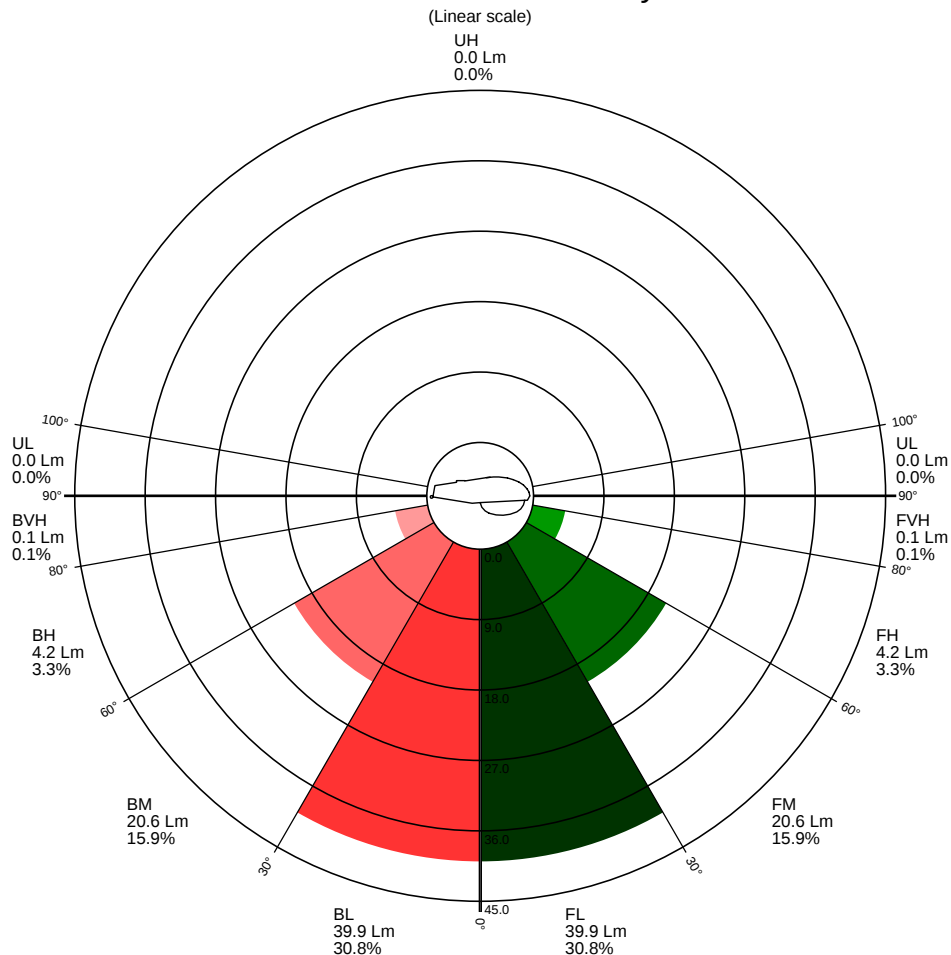


REPORT NUMBER: 15.00857
ISSUE DATE: 05/26/15
PREPARED FOR: PROGRESS

PAGE: 5 OF 9

BUG Rating:				Zone Ratings		
Zonal Summary				B	U	G
				B U G		
Forward		65	50.0			
FL	(0° - 30°)	39.9	30.8			
FM	(30° - 60°)	20.6	15.9			
FH	(60° - 80°)	4.2	3.3			G0
FVH	(80° - 90°)	0.1	0.1			G0
Backward		65	50.0			
BL	(0° - 30°)	39.9	30.8	B0		
BM	(30° - 60°)	20.6	15.9	B0		
BH	(60° - 80°)	4.2	3.3	B0		G0
BVH	(80° - 90°)	0.1	0.1			G0
Upward		0	0.0			
UL	(90° - 100°)	0.0	0.0		U0	
UH	(100° - 180°)	0.0	0.0		U0	
Trapped Light		0	0.0			
Total Flux		130	100.0			

Zonal Lumen Summary





HUBBELL
Lighting

701 Millennium Blvd
Greenville, SC 29607
www.hubbelllighting.com

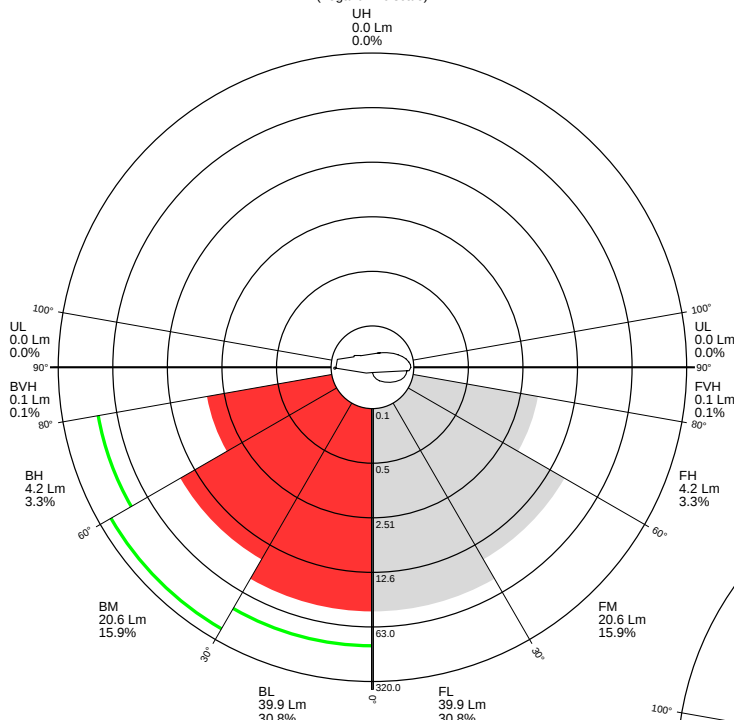
NVLAP
NVLAP LAB CODE: 201003-0

REPORT NUMBER: 15.00857
ISSUE DATE: 05/26/15
PREPARED FOR: PROGRESS

PAGE: 6 OF 9

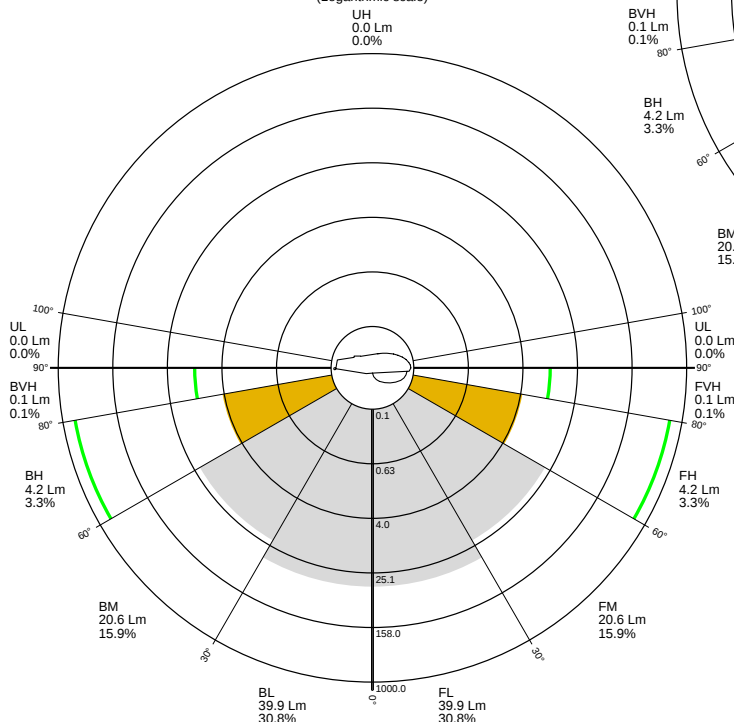
Backlight Rating Details

(Logarithmic scale)



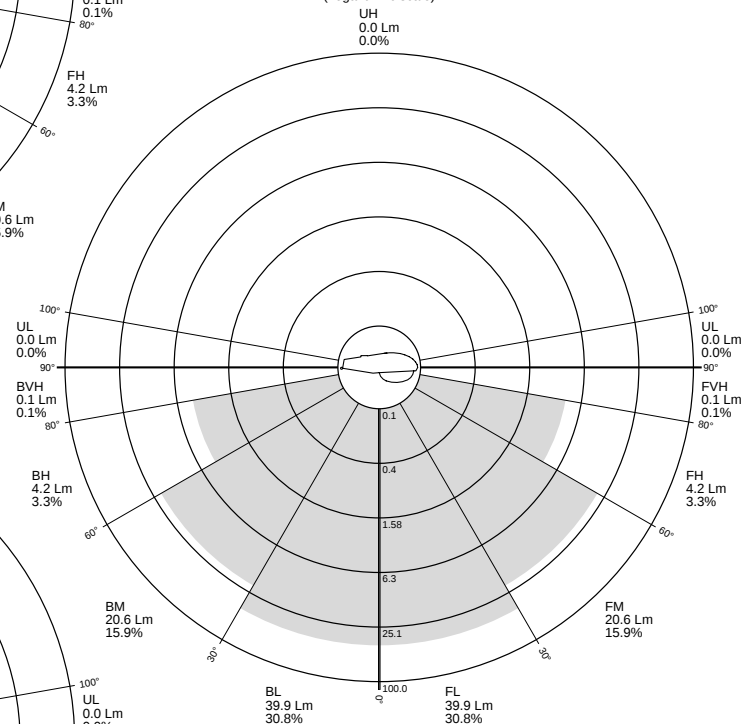
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)





®

HUBBELL
Lighting

701 Millennium Blvd
Greenville, SC 29607
www.hubbelllighting.com



REPORT NUMBER: 15.00857
ISSUE DATE: 05/26/15
PREPARED FOR: PROGRESS
CANDELA TABULATION -- TYPE V

PAGE: 7 OF 9

90.0	0.
87.5	0.
85.0	0.
82.5	0.
80.0	1.
77.5	2.
75.0	2.
72.5	3.
70.0	4.
67.5	5.
65.0	6.
62.5	7.
60.0	8.
57.5	9.
55.0	10.
52.5	11.
50.0	13.
47.5	14.
45.0	16.
42.5	18.
40.0	21.
37.5	25.
35.0	31.
30.0	44.
25.0	51.
20.0	78.
15.0	133.
10.0	181.
7.5	213.<<
5.0	211.
0.0	204.

<< INDICATES MAXIMUM CANDELA



HUBBELL
Lighting

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



NVLAP LAB CODE: 201003-0

REPORT NUMBER: 15.00857
ISSUE DATE: 05/26/15
PREPARED FOR: PROGRESS

PAGE: 8 OF 9

5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	5
5- 10	15
10- 15	18
15- 20	18
20- 25	12
25- 30	12
30- 35	11
35- 40	8
40- 45	7
45- 50	6
50- 55	5
55- 60	4
60- 65	3
65- 70	3
70- 75	2
75- 80	1
80- 85	0
85- 90	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	20
0- 20	56
0- 30	80
0- 40	100
0- 50	112
0- 60	121
0- 70	127
0- 80	130
0- 90	130

Project Number
15.00857



HUBBELL
Lighting

Date
5/26/2015

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: 12/02/2014

Test Equipment Used

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

Hubbell Lighting, Inc.

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