

Project Number
15.00747



HUBBELL
Lighting

Date
5/8/2015

LAB 6

Test Sample Description

Catalog Number: P6078-3130K9

Description: Med LED Wall Lantern w/ AC HAL 9W LED Module

Test Method: IES LM-79-08 § 10

Preburn Time: 0:00

Time To Stabilize: 1:36

Total Operating Time: 3:33

Input Voltage (Volts): 120.2

Input Current (Amps): 0.070

Input Wattage (Watts): 7.9

Ambient Temp (°C): 24.5



Hubbell Lighting, Inc.

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

Checked: R. WILLIAMS
Approved: P. McCARTHY

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

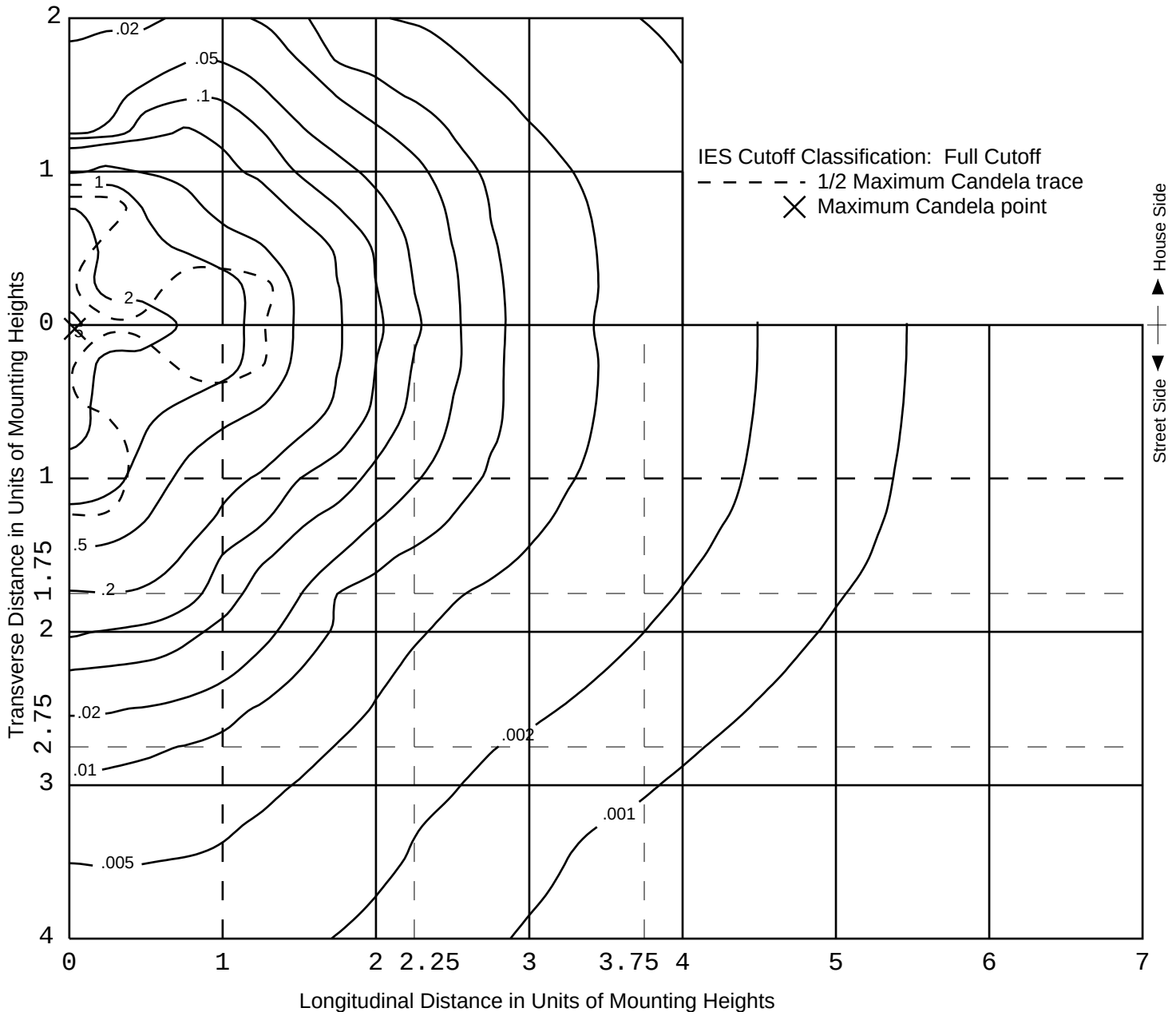
701 Millennium Blvd
Greenville, SC 29607
www.hubbellighting.com

NVLAP
NVLAP LAB CODE: 201003-0

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

PAGE: 2 OF 10

REPORT NUMBER: 15.00747
ISSUE DATE: 05/08/15
PREPARED FOR: PROGRESS
CATALOG NUMBER: P6078-3130K9
LUMINAIRE: Med LED Wall Lantern w/
AC HAL 9W LED Module
LENS: Clear Seeded Glass - Part
#93060447
LAMP CAT. NO.: 93049180-3130
LAMP: 20- Nichia 3000K LEDs
MOUNTING: Wall
NOTE: DATA SHOWN IS ABSOLUTE FOR THE
SAMPLE PROVIDED.





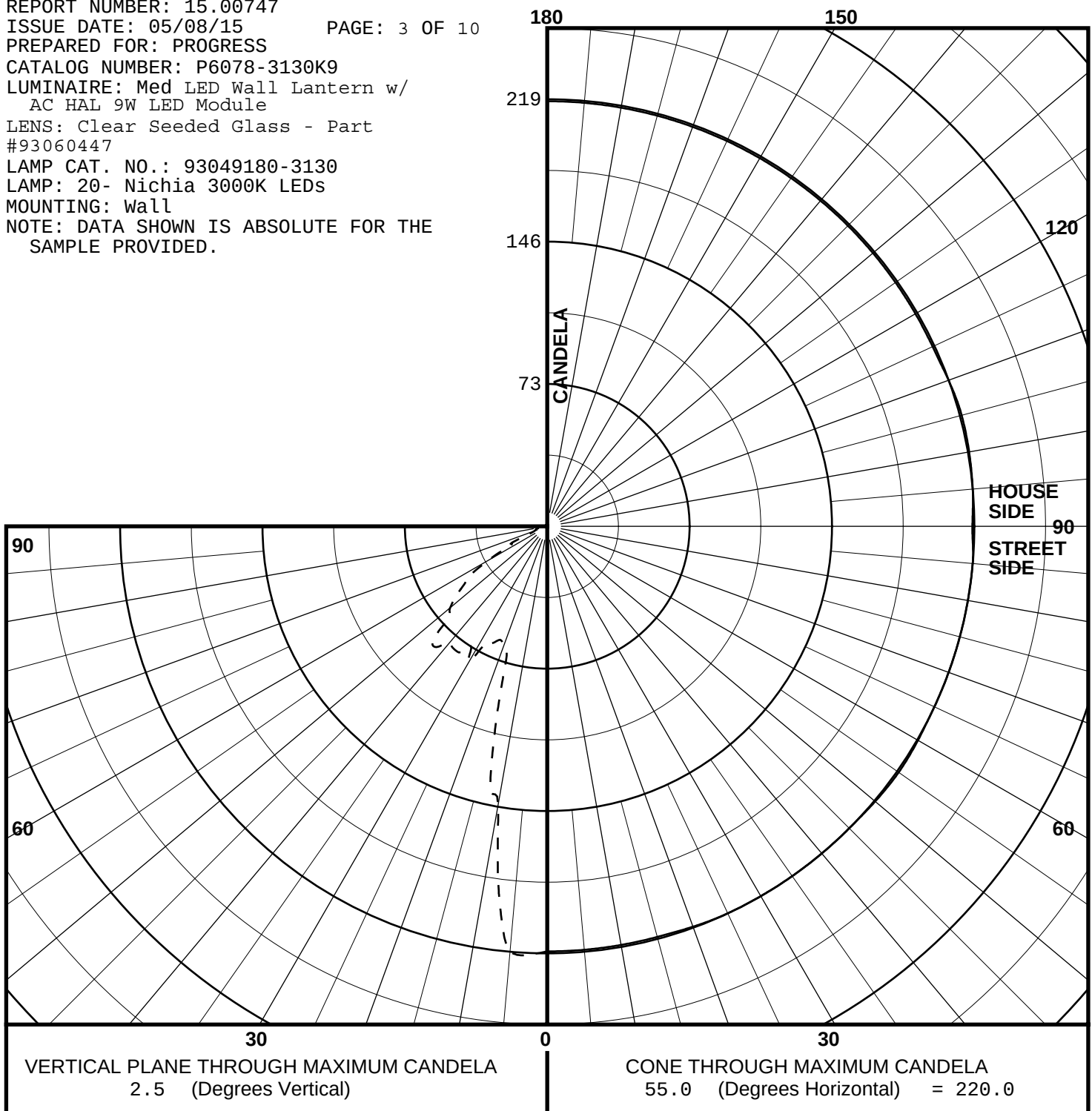
HUBBELL
Lighting

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



MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

REPORT NUMBER: 15.00747
ISSUE DATE: 05/08/15 PAGE: 3 OF 10
PREPARED FOR: PROGRESS
CATALOG NUMBER: P6078-3130K9
LUMINAIRE: Med LED Wall Lantern w/
AC HAL 9W LED Module
LENS: Clear Seeded Glass - Part
#93060447
LAMP CAT. NO.: 93049180-3130
LAMP: 20- Nichia 3000K LEDs
MOUNTING: Wall
NOTE: DATA SHOWN IS ABSOLUTE FOR THE
SAMPLE PROVIDED.





HUBBELL
Lighting

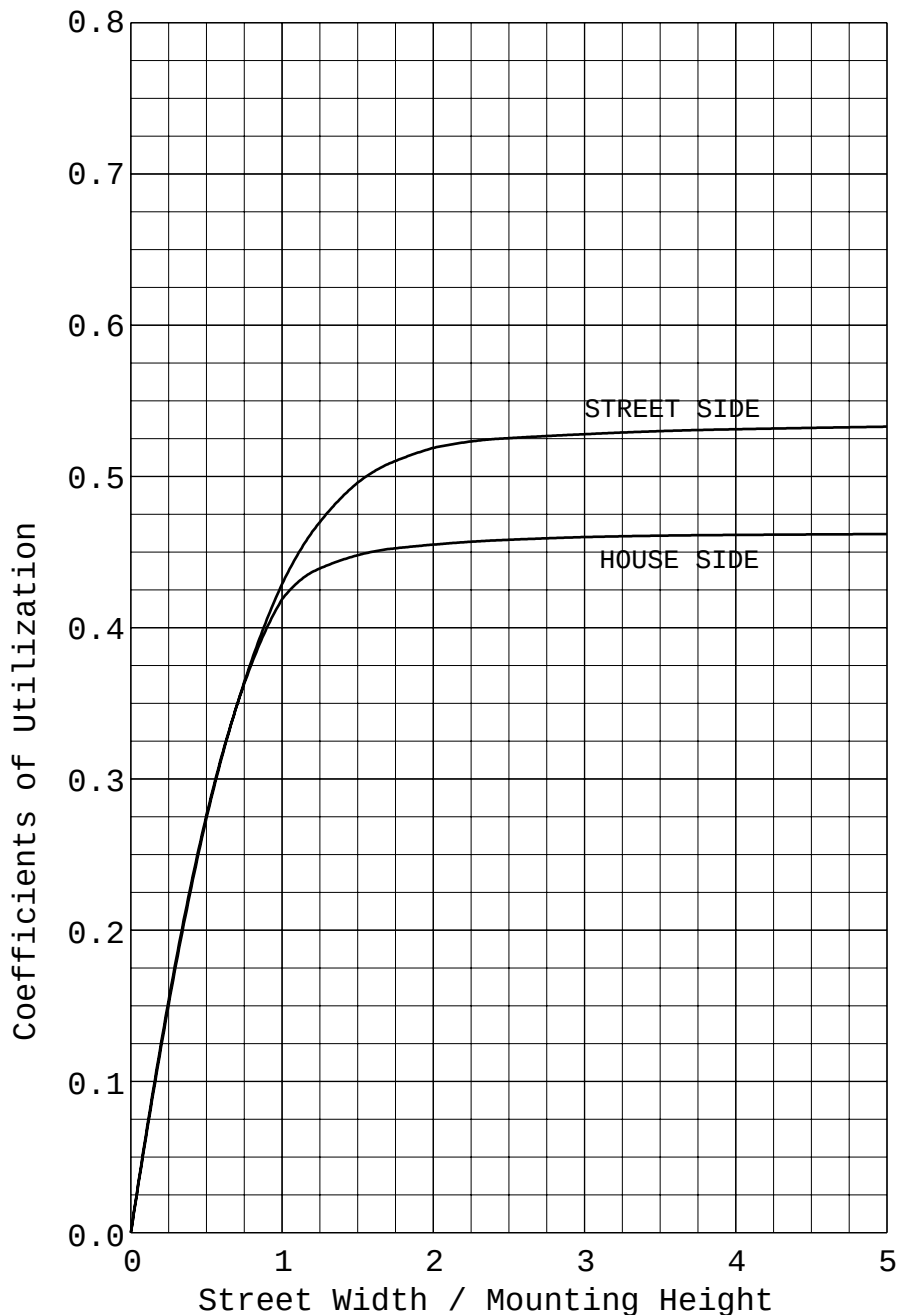
701 Millennium Blvd
Greenville, SC 29607
www.hubbellighting.com



REPORT NUMBER: 15.00747
ISSUE DATE: 05/08/15
PREPARED FOR: PROGRESS

PAGE: 4 OF 10

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	175.	53.6
DOWNWARD HOUSE SIDE	151.	46.4
DOWNWARD TOTAL	326.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	326.	100.0
TOTAL INPUT WATTS = 7.9		
EFFICACY = 41.3 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

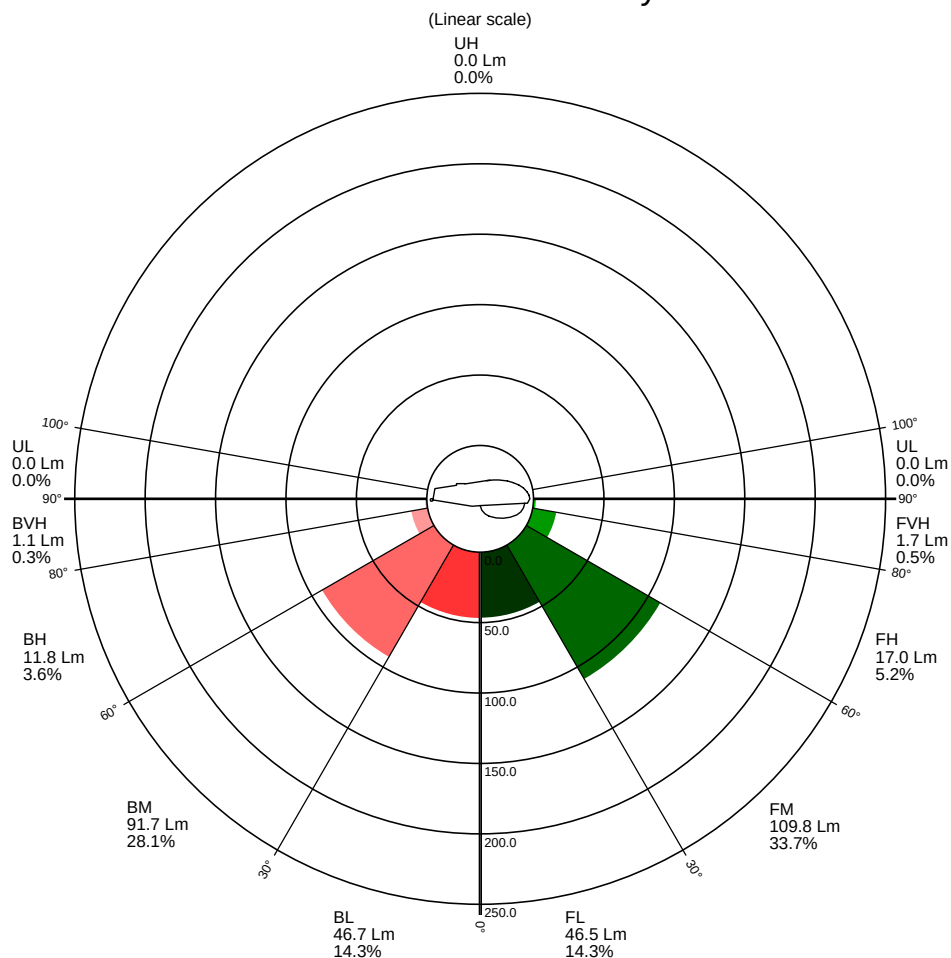


REPORT NUMBER: 15.00747
ISSUE DATE: 05/08/15
PREPARED FOR: PROGRESS

PAGE: 5 OF 10

BUG Rating:				Zone Ratings		
Zonal Summary				B	U	G
		Lumens	% of Fixture			
Forward		175	53.6			
FL	(0° - 30°)	46.5	14.3			
FM	(30° - 60°)	109.8	33.7			
FH	(60° - 80°)	17.0	5.2			G0
FVH	(80° - 90°)	1.7	0.5			G0
Backward		151	46.4			
BL	(0° - 30°)	46.7	14.3	B0		
BM	(30° - 60°)	91.7	28.1	B0		
BH	(60° - 80°)	11.8	3.6	B0		G0
BVH	(80° - 90°)	1.1	0.3			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		326	100.0			

Zonal Lumen Summary





HUBBELL
Lighting

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

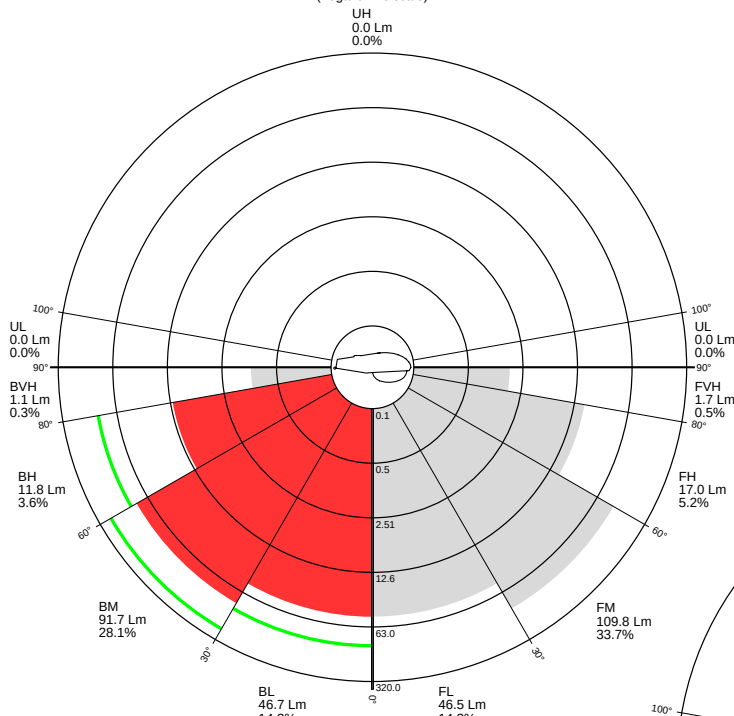
NVLAP
NVLAP LAB CODE: 201003-0

REPORT NUMBER: 15.00747
ISSUE DATE: 05/08/15
PREPARED FOR: PROGRESS

PAGE: 6 OF 10

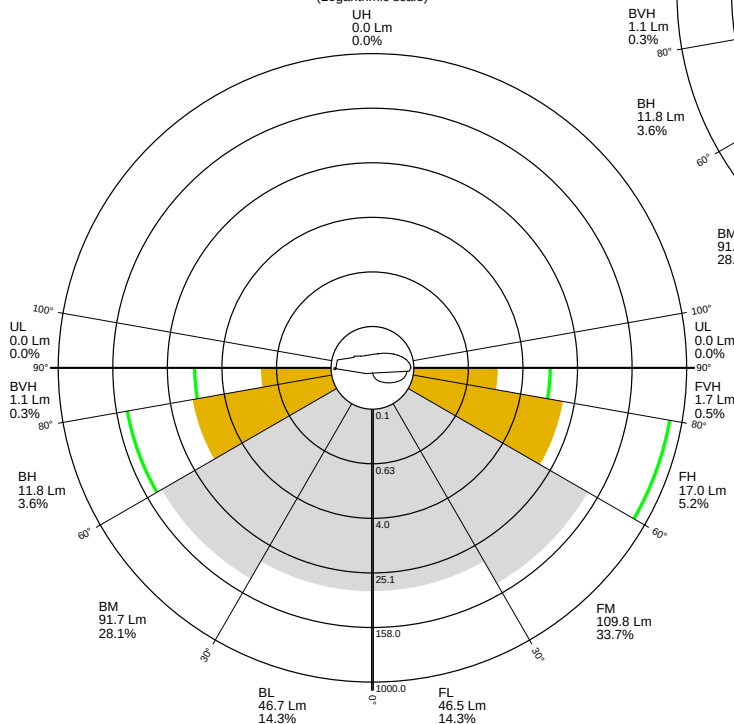
Backlight Rating Details

(Logarithmic scale)



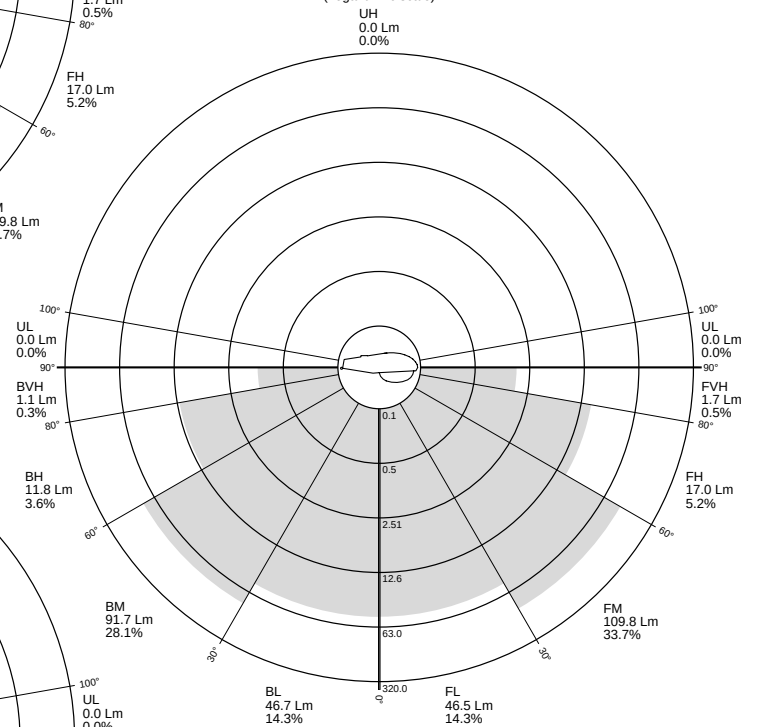
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)





HUBBELL
Lighting

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



REPORT NUMBER: 15.00747
ISSUE DATE: 05/08/15
PREPARED FOR: PROGRESS

PAGE: 7 OF 10

CANDELA TABULATION
STREET SIDE

		LATERAL ANGLE									
		0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	2.	2.	2.	2.	2.	1.	2.	2.	2.	2.
	85.0	4.	4.	4.	4.	3.	2.	3.	3.	4.	3.
	82.5	5.	6.	6.	4.	4.	3.	4.	5.	6.	5.
	80.0	6.	6.	6.	5.	4.	4.	4.	5.	6.	6.
	77.5	8.	8.	7.	6.	5.	4.	5.	6.	7.	7.
	75.0	8.	9.	9.	7.	5.	5.	6.	7.	8.	8.
	72.5	10.	9.	9.	8.	7.	6.	6.	8.	9.	9.
	70.0	11.	11.	10.	9.	8.	6.	7.	10.	11.	10.
V	67.5	17.	17.	17.	17.	12.	7.	9.	15.	17.	19.
E	65.0	34.	31.	32.	25.	16.	16.	20.	26.	31.	32.
R	62.5	49.	46.	44.	45.	22.	23.	22.	39.	53.	47.
T	60.0	54.	62.	63.	48.	33.	37.	35.	48.	63.	67.
I	57.5	88.	83.	89.	66.	46.	42.	47.	65.	86.	83.
C	55.0	100.	99.	99.	77.	50.	47.	52.	76.	109.	110.
A	52.5	99.	103.	106.	82.	56.	52.	59.	84.	112.	109.
L	50.0	116.	114.	113.	91.	64.	59.	65.	90.	114.	116.
	47.5	130.	127.	124.	95.	70.	67.	68.	91.	128.	125.
A	45.0	159.	137.	133.	102.	72.	76.	83.	100.	136.	129.
N	42.5	148.	143.	139.	108.	76.	77.	84.	101.	139.	140.
G	40.0	144.	139.	143.	109.	82.	87.	78.	104.	128.	128.
L	37.5	148.	148.	145.	108.	75.	89.	79.	95.	130.	137.
E	35.0	156.	157.	149.	115.	84.	84.	79.	106.	143.	130.
	30.0	136.	133.	144.	97.	72.	84.	80.	97.	130.	129.
	25.0	121.	128.	136.	98.	72.	81.	66.	79.	123.	127.
	20.0	97.	98.	86.	58.	61.	68.	65.	56.	85.	89.
	15.0	110.	112.	119.	108.	103.	102.	99.	101.	117.	125.
	10.0	138.	138.	144.	151.	144.	142.	145.	152.	158.	158.
	5.0	217.	217.	217.	217.	219.	219.	219.	219.	219.	219.
	2.5<<	218.	218.	218.	219.	219.	219.	220.	219.	219.	219.
	0.0	218.	218.	218.	218.	218.	218.	218.	218.	218.	218.

||
PLANE OF MAXIMUM CANDELA

||
CONE OF MAXIMUM CANDELA



HUBBELL
Lighting

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



REPORT NUMBER: 15.00747
ISSUE DATE: 05/08/15
PREPARED FOR: PROGRESS

PAGE: 8 OF 10

CANDELA TABULATION
HOUSE SIDE

LATERAL ANGLE

	90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	2.	2.	2.	2.	1.	1.	1.	0.	0.	0.
	85.0	3.	4.	3.	3.	2.	2.	1.	1.	0.	0.
	82.5	5.	5.	5.	4.	3.	3.	2.	1.	0.	0.
	80.0	6.	6.	6.	5.	4.	3.	3.	1.	1.	1.
	77.5	7.	7.	7.	6.	5.	4.	3.	2.	1.	1.
	75.0	7.	8.	8.	7.	5.	4.	3.	2.	1.	1.
	72.5	9.	9.	9.	7.	6.	5.	5.	4.	2.	1.
	70.0	10.	10.	10.	10.	7.	5.	6.	5.	2.	1.
V	67.5	18.	18.	19.	17.	10.	6.	9.	12.	4.	3.
E	65.0	39.	35.	32.	26.	17.	15.	16.	14.	7.	6.
R	62.5	48.	46.	52.	33.	23.	21.	23.	17.	8.	7.
T	60.0	64.	65.	65.	40.	31.	34.	33.	17.	9.	8.
I	57.5	84.	90.	85.	64.	41.	41.	44.	24.	9.	9.
C	55.0	108.	105.	106.	78.	55.	45.	54.	35.	8.	7.
A	52.5	111.	113.	117.	78.	58.	52.	58.	34.	8.	8.
L	50.0	113.	118.	123.	81.	60.	59.	63.	43.	10.	8.
	47.5	127.	120.	125.	90.	61.	68.	71.	61.	45.	13.
A	45.0	133.	131.	139.	94.	77.	78.	80.	72.	74.	50.
N	42.5	139.	141.	140.	102.	78.	80.	80.	104.	94.	80.
G	40.0	131.	136.	143.	110.	75.	79.	83.	102.	128.	110.
L	37.5	133.	141.	143.	108.	76.	79.	87.	111.	158.	145.
E	35.0	135.	151.	141.	104.	76.	82.	88.	110.	156.	150.
	30.0	131.	131.	131.	94.	65.	81.	71.	99.	130.	131.
	25.0	126.	135.	132.	93.	79.	71.	67.	96.	123.	122.
	20.0	102.	90.	88.	62.	61.	64.	62.	70.	96.	110.
	15.0	114.	115.	114.	107.	99.	101.	110.	107.	104.	115.
	10.0	157.	162.	155.	144.	142.	136.	144.	140.	146.	148.
	5.0	219.	219.	219.	219.	219.	219.	218.	218.	218.	217.
	2.5<<	218.	219.	220.	218.	218.	218.	218.	218.	218.	218.
	0.0	218.	218.	218.	218.	218.	218.	218.	218.	218.	218.

CONE OF MAXIMUM CANDELA



HUBBELL
Lighting

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



REPORT NUMBER: 15.00747
ISSUE DATE: 05/08/15
PREPARED FOR: PROGRESS

PAGE: 9 OF 10

5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	5
5- 10	13
10- 15	15
15- 20	14
20- 25	20
25- 30	26
30- 35	33
35- 40	38
40- 45	39
45- 50	35
50- 55	31
55- 60	26
60- 65	16
65- 70	7
70- 75	4
75- 80	3
80- 85	2
85- 90	1

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	18
0- 20	48
0- 30	93
0- 40	164
0- 50	238
0- 60	295
0- 70	317
0- 80	323
0- 90	326

Project Number
15.00747



HUBBELL
Lighting

Date
5/8/2015

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

Hubbell Lighting, Inc.

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

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