

Project Number
15.00748



Date
5/11/2015

LAB 6

Test Sample Description

Catalog Number: P6079-3130K9
Description: Large Wall Lantern

Test Method: IES LM-79-08 § 10
Preburn Time: 00:00
Time To Stabilize: 1:09
Total Operating Time: 2:33

Input Voltage (Volts): 120.1
Input Current (Amps): 0.149
Input Wattage (Watts): 16.6
Ambient Temp (°C): 24.4



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Checked: R. WILLIAMS
Approved: M. WASHBURN





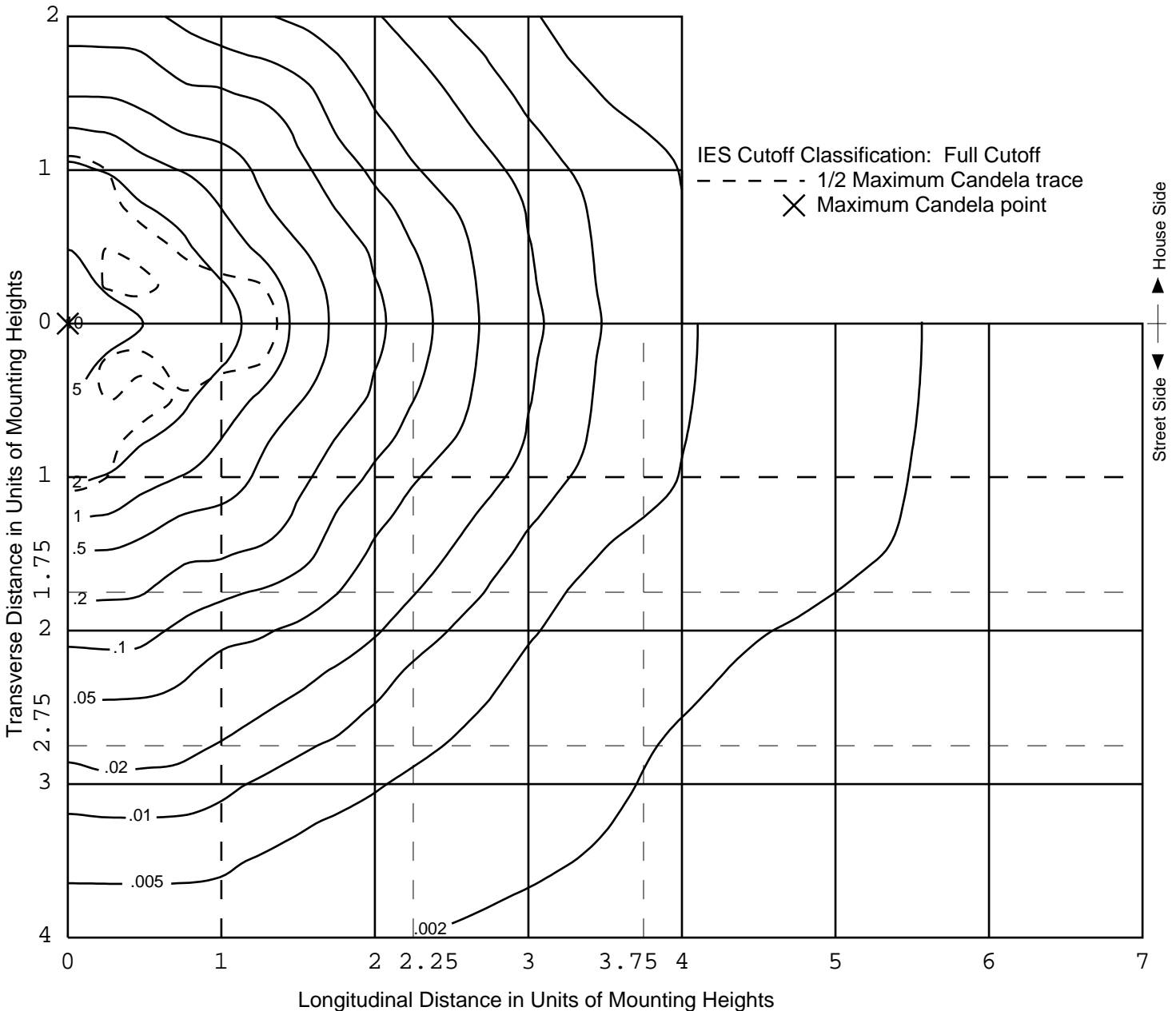
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION PAGE: 2 OF 10
Values based on 6 foot mounting height.

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CATALOG NUMBER: P6079-3130K9
LUMINAIRE: Large Wall Lantern
LAMP CAT. NO.: 93047261-4130
LAMP: 40- Nichia 3000K LEDs
BALLAST: HAL 17W LED Module
Refractor Part# 93060448 Clear Seeded Glass
MOUNTING: Wall
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.





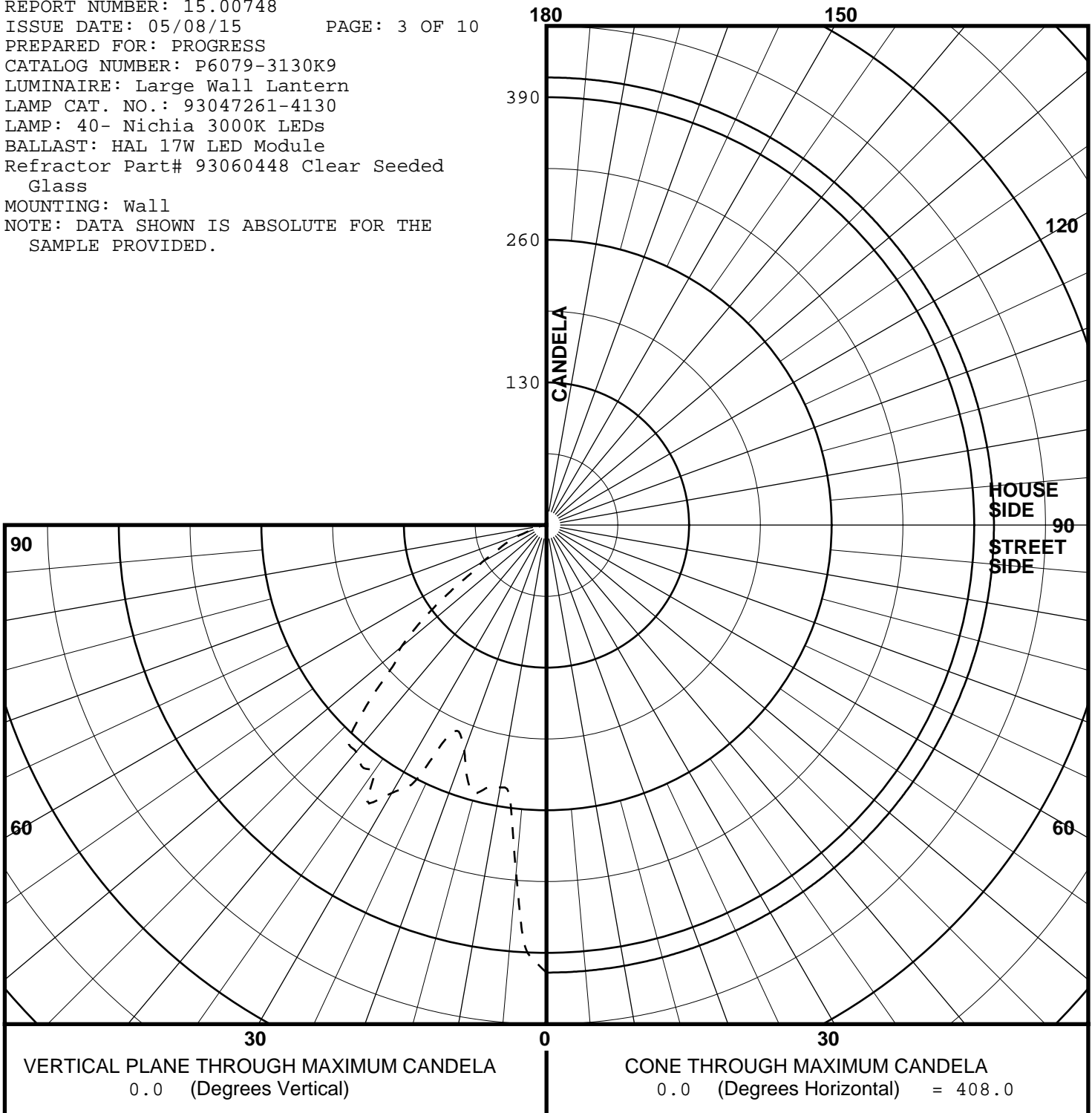
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

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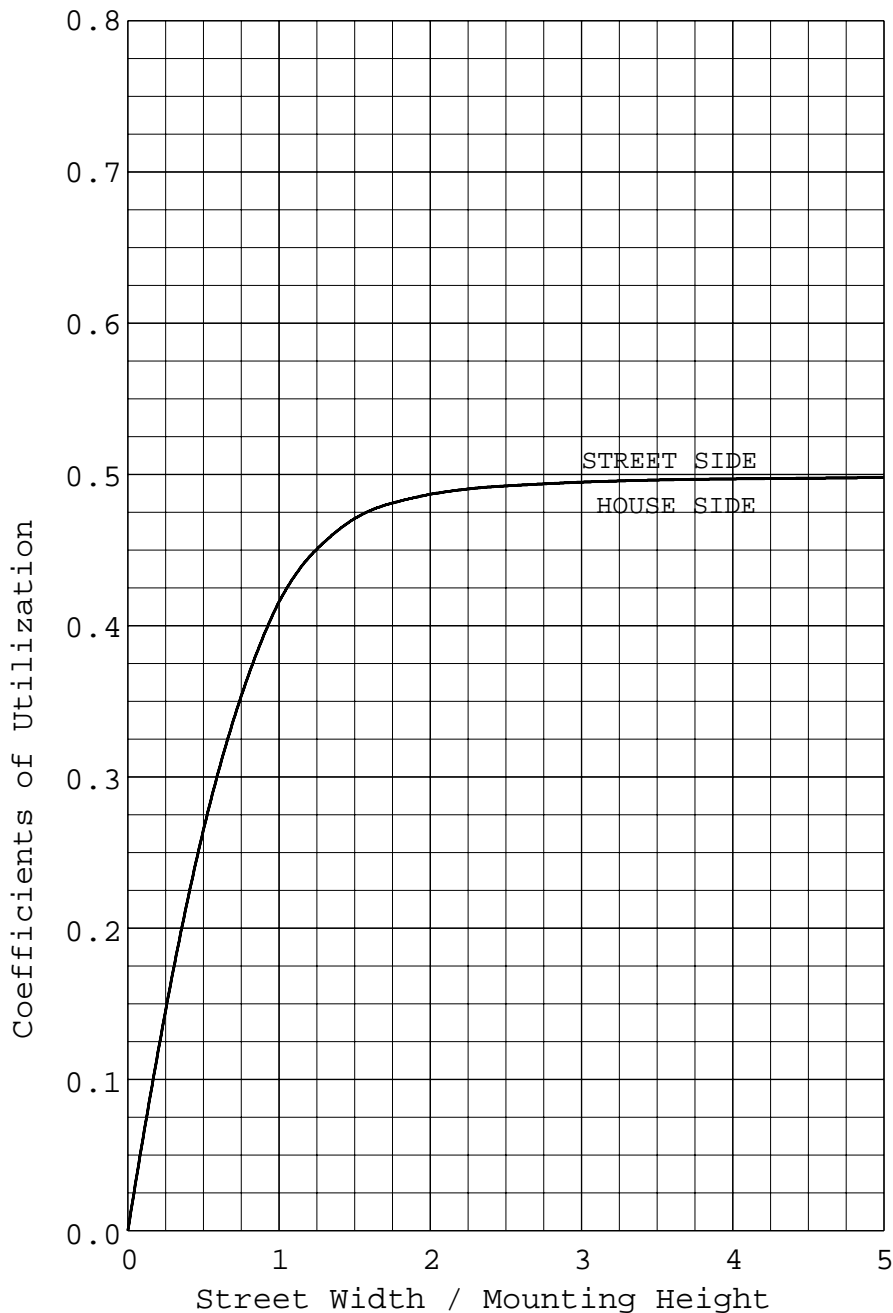
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	335.	50.0
DOWNWARD HOUSE SIDE	335.	50.0
DOWNWARD TOTAL	670.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	670.	100.0
TOTAL INPUT WATTS = 16.6		
EFFICACY = 40.4 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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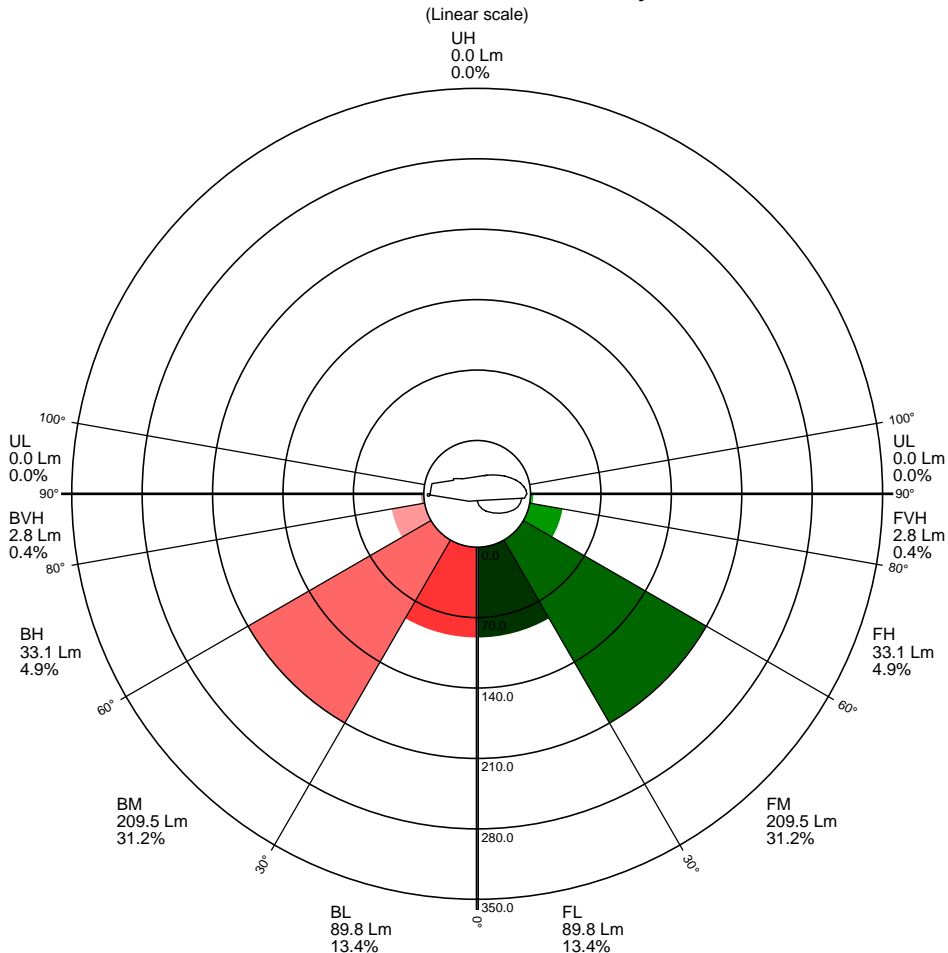


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BUG Rating:			B0 U0 G0		
Zonal Summary			Lumens	% of Fixture	Zone Ratings
			B U G		
Forward			335	50.0	
FL	(0° - 30°)		89.8	13.4	
FM	(30° - 60°)		209.5	31.2	
FH	(60° - 80°)		33.1	4.9	G0
FVH	(80° - 90°)		2.8	0.4	G0
Backward			335	50.0	
BL	(0° - 30°)		89.8	13.4	B0
BM	(30° - 60°)		209.5	31.2	B0
BH	(60° - 80°)		33.1	4.9	B0 G0
BVH	(80° - 90°)		2.8	0.4	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			670	100.0	

Zonal Lumen Summary





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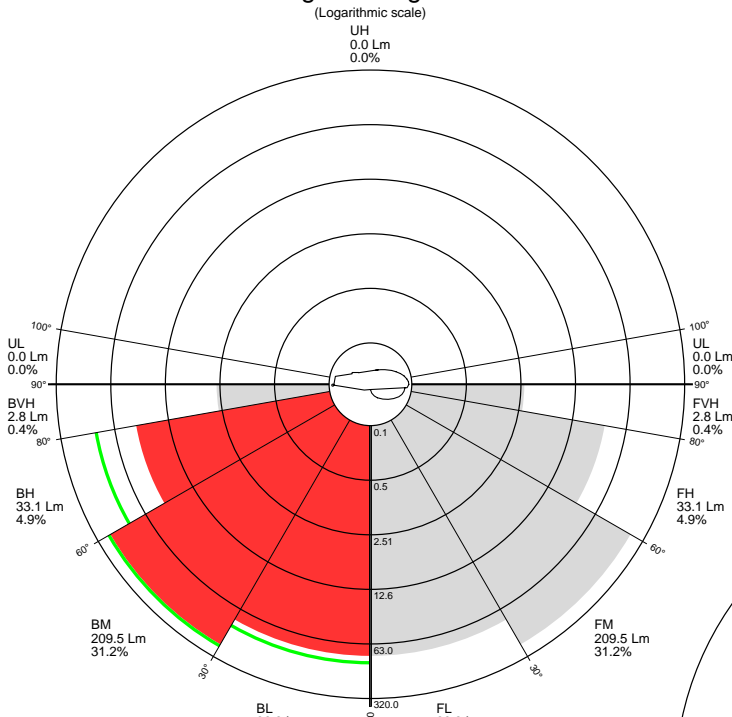


NVLAP LAB CODE: 201003-0

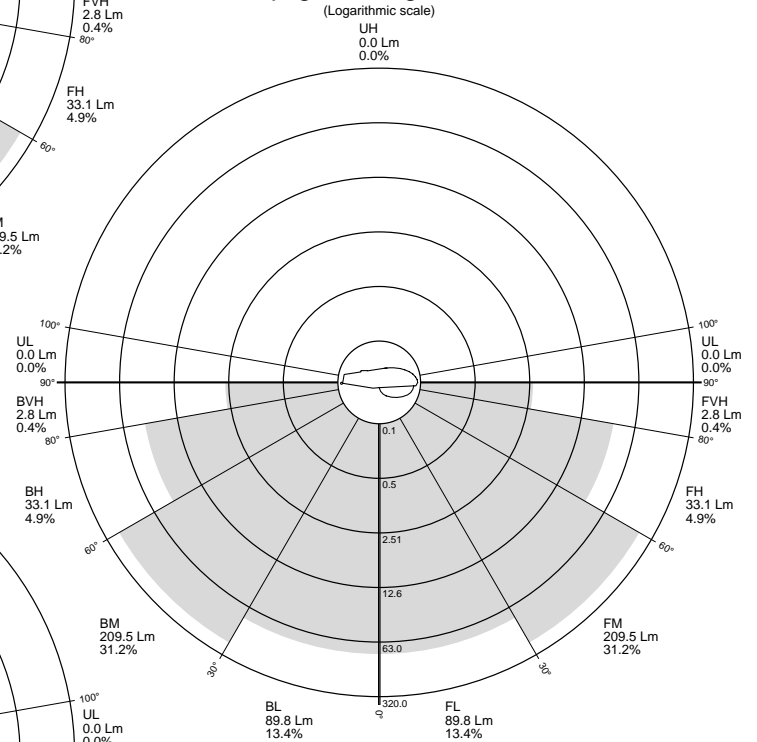
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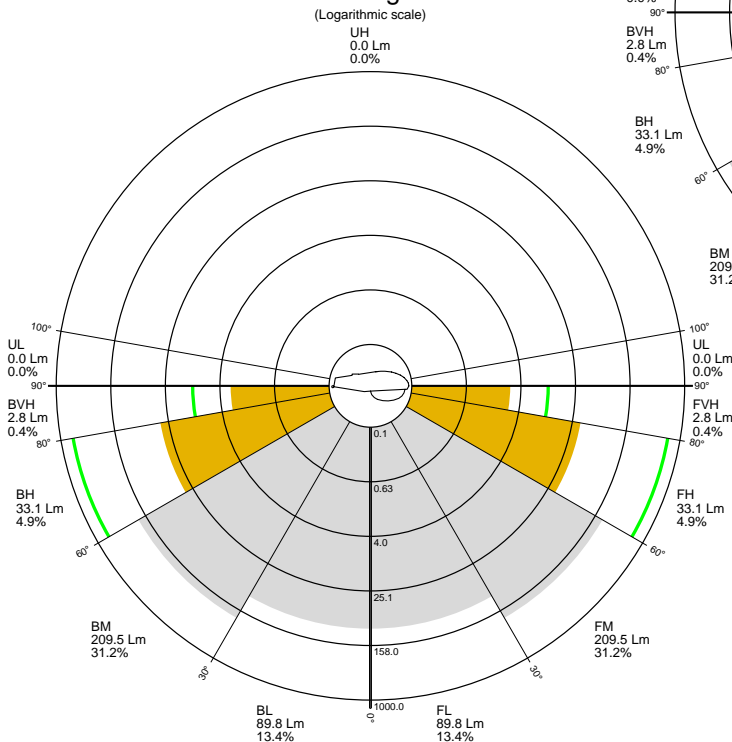
Backlight Rating Details



Uplight Rating Details



Glare Rating Details





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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
	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	2.	2.	2.	2.	3.	2.	3.	3.	4.	4.
	4.	4.	5.	4.	5.	5.	5.	6.	8.	8.
	5.	6.	7.	6.	6.	7.	7.	8.	11.	11.
	6.	7.	8.	7.	7.	8.	8.	9.	13.	13.
	7.	8.	9.	7.	8.	9.	8.	9.	13.	13.
	9.	9.	10.	9.	9.	10.	9.	10.	14.	14.
	13.	14.	16.	13.	14.	12.	14.	15.	20.	19.
V	22.	26.	27.	22.	20.	23.	23.	26.	38.	37.
E	35.	34.	37.	26.	33.	38.	32.	36.	50.	54.
R	43.	44.	47.	34.	45.	55.	46.	51.	65.	76.
T	51.	57.	59.	44.	59.	78.	62.	65.	84.	98.
I	68.	65.	75.	55.	77.	98.	81.	82.	108.	126.
C	79.	82.	96.	62.	91.	121.	104.	93.	143.	157.
A	111.	116.	112.	90.	110.	134.	120.	115.	164.	184.
L	144.	150.	141.	117.	135.	155.	140.	149.	196.	217.
	173.	183.	159.	136.	146.	159.	152.	151.	209.	235.
A	189.	204.	173.	152.	150.	181.	156.	162.	214.	244.
N	231.	227.	220.	170.	175.	176.	183.	183.	224.	265.
G	267.	261.	235.	178.	181.	192.	191.	205.	239.	263.
L	270.	287.	235.	204.	196.	204.	204.	185.	257.	296.
E	277.	280.	235.	195.	196.	215.	211.	198.	247.	291.
	274.	308.	249.	194.	206.	228.	222.	204.	261.	294.
	282.	302.	243.	210.	214.	230.	211.	195.	269.	287.
	212.	227.	167.	143.	169.	189.	170.	142.	162.	212.
	219.	211.	168.	178.	184.	196.	174.	164.	187.	215.
	253.	247.	235.	225.	223.	225.	234.	217.	239.	248.
	243.	241.	236.	234.	226.	224.	233.	226.	239.	243.
	318.	316.	315.	316.	317.	316.	317.	316.	314.	313.
	408.<<	408.	408.	408.	408.	408.	408.	408.	408.	408.

||
| PLANE OF MAXIMUM CANDELA
|
| CONE OF MAXIMUM CANDELA



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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	4.	4.	4.	3.	3.	2.	3.	2.	2.	2.
	85.0	8.	8.	8.	6.	5.	5.	5.	4.	5.	4.
	82.5	11.	11.	11.	8.	7.	7.	6.	6.	7.	6.
	80.0	13.	13.	13.	9.	8.	8.	7.	7.	8.	7.
	77.5	13.	13.	13.	9.	8.	9.	8.	7.	9.	8.
	75.0	14.	14.	14.	10.	9.	10.	9.	9.	10.	9.
	72.5	21.	19.	20.	15.	14.	12.	14.	13.	16.	14.
V	70.0	38.	37.	38.	26.	23.	23.	20.	22.	27.	26.
E	67.5	54.	54.	50.	36.	32.	38.	33.	26.	37.	34.
R	65.0	82.	76.	65.	51.	46.	55.	45.	34.	47.	44.
T	62.5	98.	98.	84.	65.	62.	78.	59.	44.	59.	57.
I	60.0	124.	126.	108.	82.	81.	98.	77.	55.	75.	65.
C	57.5	157.	157.	143.	93.	104.	121.	91.	62.	96.	82.
A	55.0	204.	184.	164.	115.	120.	134.	110.	90.	112.	116.
L	52.5	218.	217.	196.	149.	140.	155.	135.	117.	141.	150.
	50.0	232.	235.	209.	151.	152.	159.	146.	136.	159.	183.
A	47.5	259.	244.	214.	162.	156.	181.	150.	152.	173.	204.
N	45.0	258.	265.	224.	183.	183.	176.	175.	170.	220.	227.
G	42.5	280.	263.	239.	205.	191.	192.	181.	178.	235.	261.
L	40.0	294.	296.	257.	185.	204.	204.	196.	204.	235.	287.
E	37.5	293.	291.	247.	198.	211.	215.	196.	195.	235.	280.
	35.0	310.	294.	261.	204.	222.	228.	206.	194.	249.	308.
	30.0	302.	287.	269.	195.	211.	230.	214.	210.	243.	302.
	25.0	221.	212.	162.	142.	170.	189.	169.	143.	167.	227.
	20.0	214.	215.	187.	164.	174.	196.	184.	178.	168.	211.
	15.0	252.	248.	239.	217.	234.	225.	223.	225.	235.	247.
	10.0	241.	243.	239.	226.	233.	224.	226.	234.	236.	241.
	5.0	311.	313.	314.	316.	317.	316.	317.	316.	315.	316.
	0.0<<	408.	408.	408.	408.	408.	408.	408.	408.	408.	408.

CONE OF MAXIMUM CANDELA



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	9
5- 10	18
10- 15	28
15- 20	35
20- 25	36
25- 30	53
30- 35	72
35- 40	77
40- 45	80
45- 50	74
50- 55	66
55- 60	49
60- 65	33
65- 70	19
70- 75	9
75- 80	5
80- 85	4
85- 90	2

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	27
0- 20	90
0- 30	180
0- 40	329
0- 50	484
0- 60	599
0- 70	651
0- 80	665
0- 90	670

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Date
5/11/2015

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

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