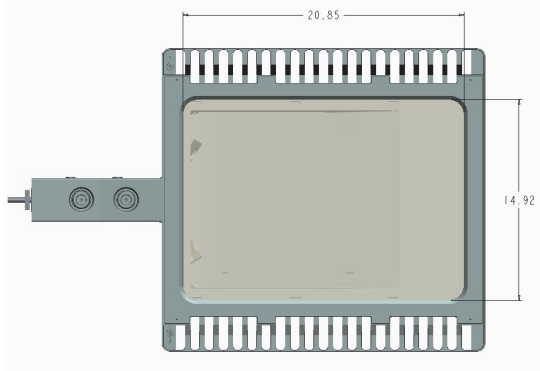


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 35 foot mounting height.



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 DATE SAMPLE TESTED: 01/21/16
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED4T360N/480/D10 -
 ALED4T360SFN/480/D10 -
 WPLED4T360N/480/D10 -
 WPLED4T360NFX/480/D10 (TYPE IV)
 LUMINAIRE: CAST FINNED METAL HOUSING, 4
 CHIP ON BOARD LIGHT EMITTING DIODES,
 MOLDED PLASTIC REFLECTOR WITH
 SPECULAR FINISH, CLEAR GLASS LENS IN
 CAST BRONZE PAINTED METAL FRAME.
 LAMPS: FOUR WHITE LIGHT EMITTING DIODES
 (LEDS)

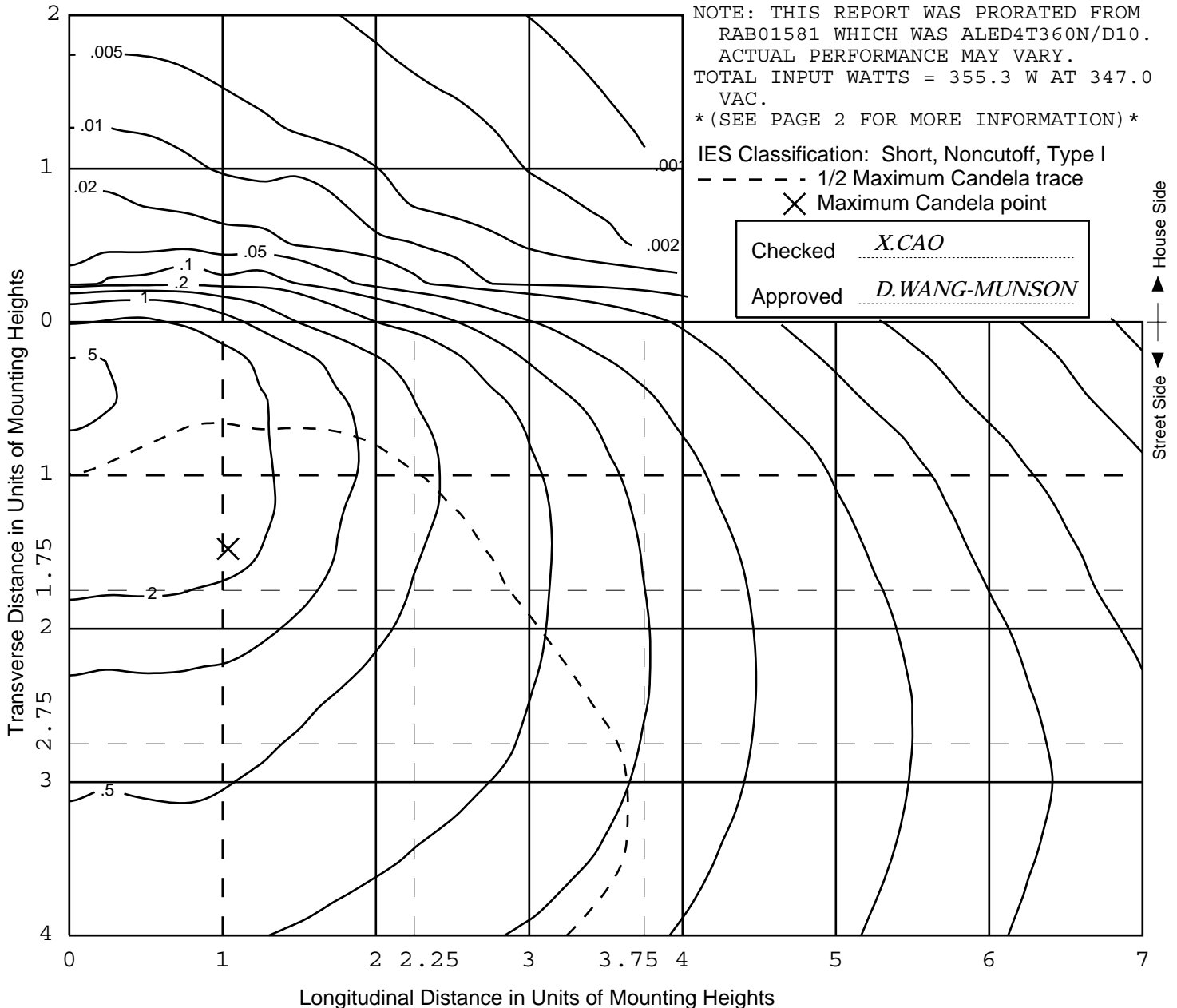
NOTE: THIS REPORT WAS PRORATED FROM
 RAB01581 WHICH WAS ALED4T360N/D10.
 ACTUAL PERFORMANCE MAY VARY.
 TOTAL INPUT WATTS = 355.3 W AT 347.0
 VAC.

(SEE PAGE 2 FOR MORE INFORMATION)

IES Classification: Short, Noncutoff, Type I

--- 1/2 Maximum Candela trace

X Maximum Candela point



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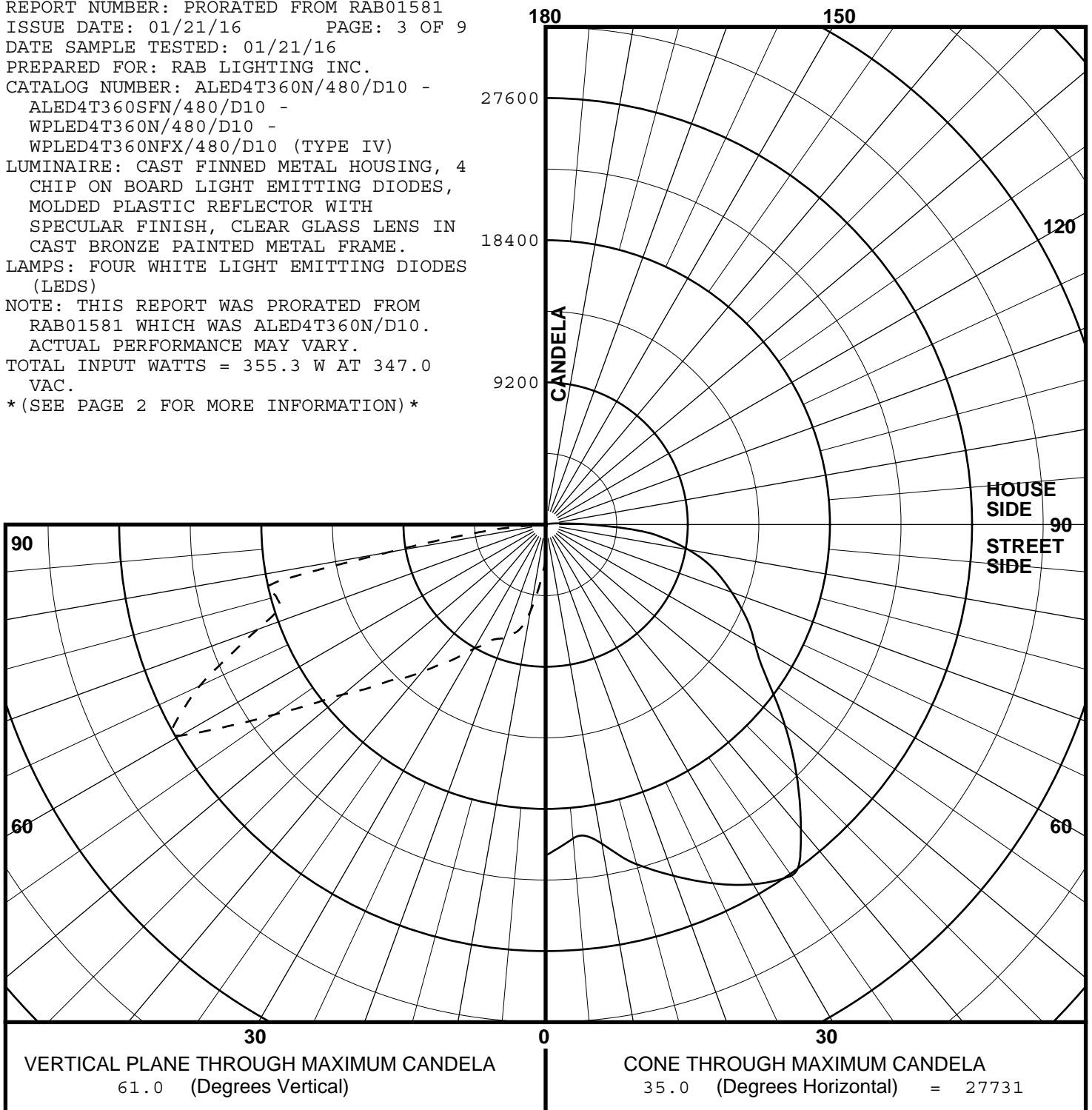
ADDITIONAL INFORMATION

LED DRIVER: 2X RDD-P240-A2200
TEST PROCEDURE: IESNA LM-79-08
TEST DISTANCE : 28.25 FEET
ACCREDITED LABORATORY CODE 201058-0

NOTE: THIS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY
THE CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR
ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL
GOVERNMENT.

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

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 WPLED4T360NFX/480/D10 (TYPE IV)
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 CHIP ON BOARD LIGHT EMITTING DIODES,
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 SPECULAR FINISH, CLEAR GLASS LENS IN
 CAST BRONZE PAINTED METAL FRAME.
 LAMPS: FOUR WHITE LIGHT EMITTING DIODES
 (LEDS)
 NOTE: THIS REPORT WAS PRORATED FROM
 RAB01581 WHICH WAS ALED4T360N/D10.
 ACTUAL PERFORMANCE MAY VARY.
 TOTAL INPUT WATTS = 355.3 W AT 347.0
 VAC.
 (SEE PAGE 2 FOR MORE INFORMATION)

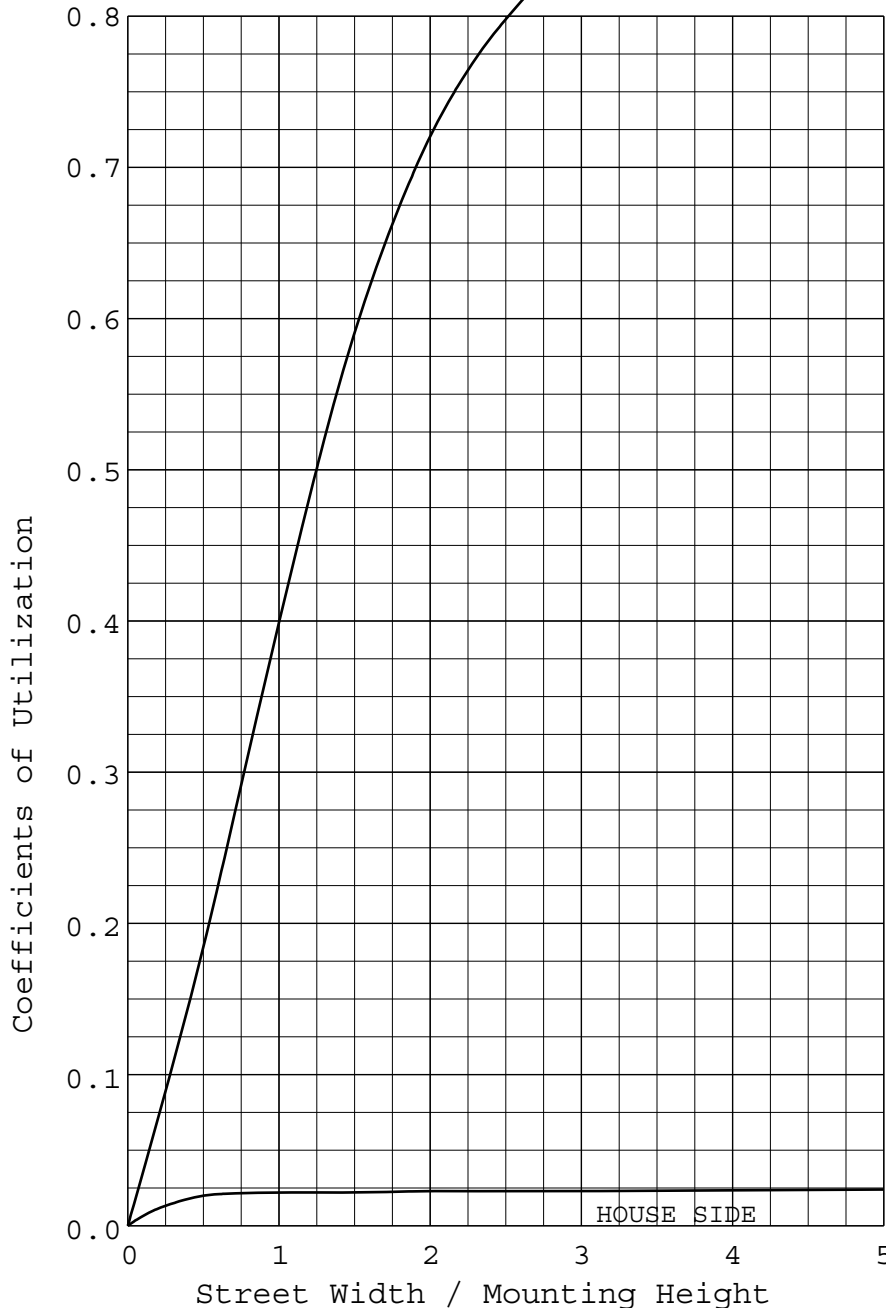


STREET SIDE

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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	35721.	97.5
DOWNWARD HOUSE SIDE	903.	2.5
DOWNWARD TOTAL	36624.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	36624.	100.0
TOTAL INPUT WATTS = 355.3		
EFFICACY = 103.1 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.

REPORT NUMBER: PRORATED FROM RAB01581
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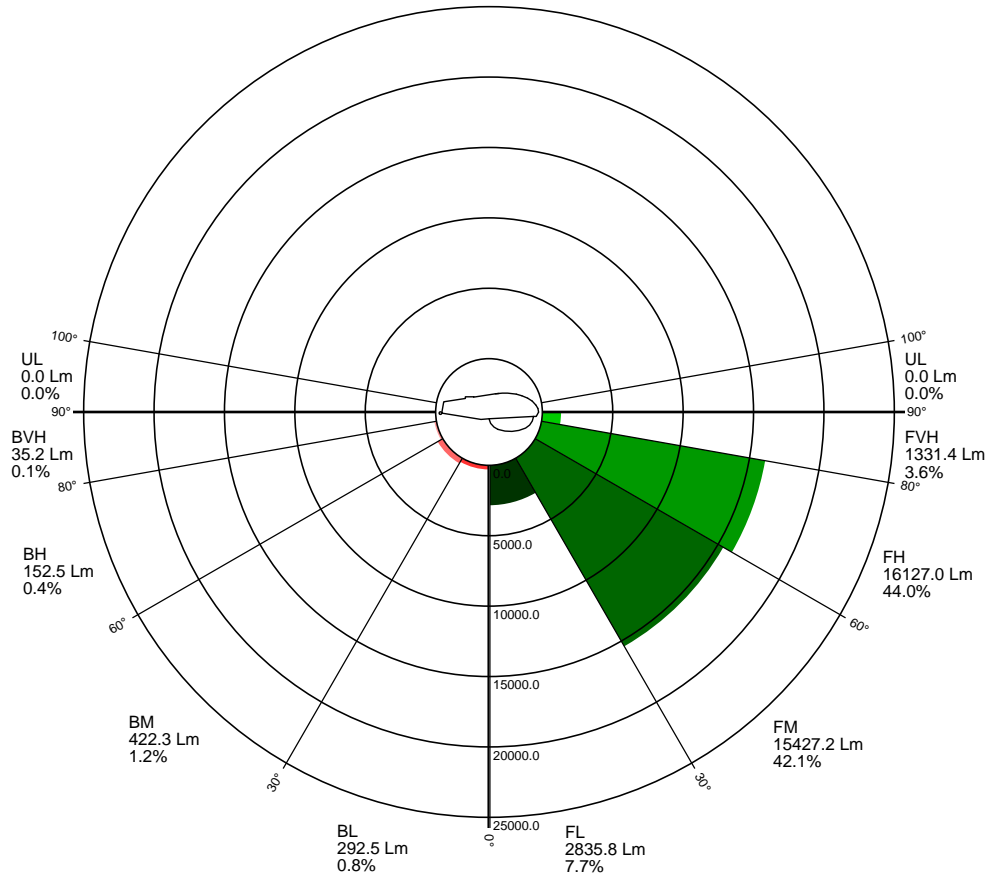
PAGE: 5 OF 9
 DATE SAMPLE TESTED: 01/21/16

BUG Rating:				B1 U0 G5		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		35721	97.5			
FL	(0° - 30°)	2835.8	7.7			
FM	(30° - 60°)	15427.2	42.1			
FH	(60° - 80°)	16127.0	44.0			G5
FVH	(80° - 90°)	1331.4	3.6			G5
Backward		903	2.5			
BL	(0° - 30°)	292.5	0.8	B1		
BM	(30° - 60°)	422.3	1.2	B1		
BH	(60° - 80°)	152.5	0.4	B1		G1
BVH	(80° - 90°)	35.2	0.1			G1
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		36624	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

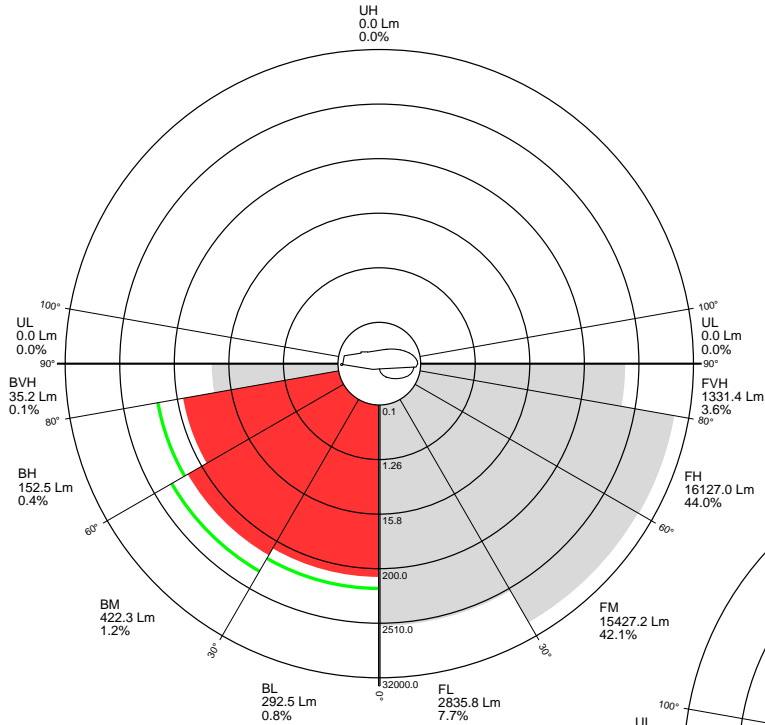


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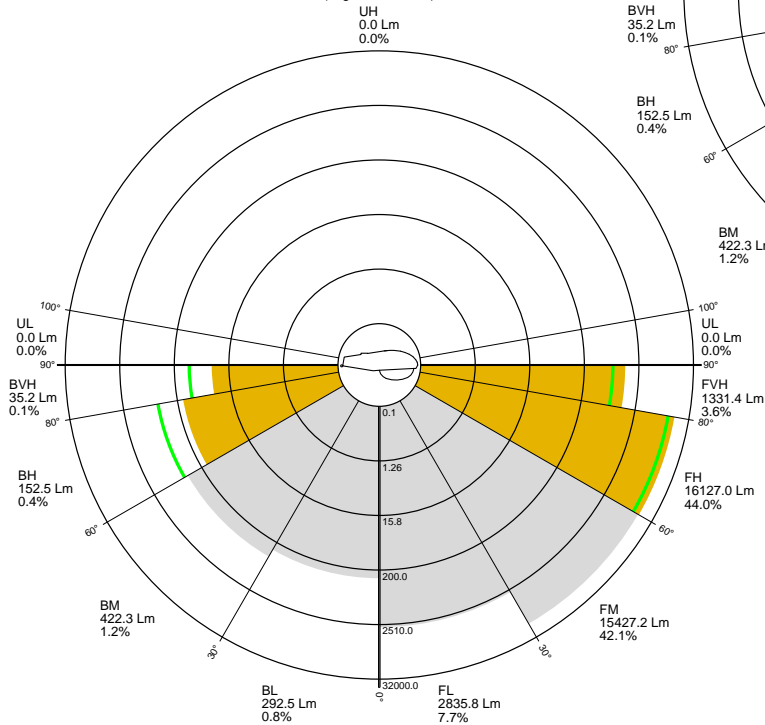
Backlight Rating Details

(Logarithmic scale)



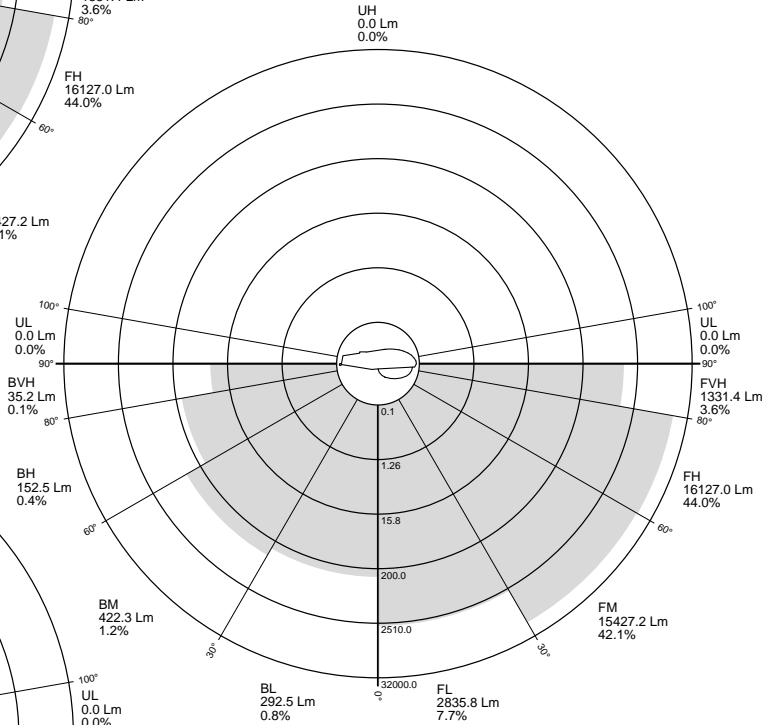
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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DATE SAMPLE TESTED: 01/21/16

	CANDELA REGULATION	LATERAL ANGLE									
	STREET SIDE	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	156.	164.	162.	236.	402.	328.	326.	239.	162.	124.
	85.0	1572.	1675.	1844.	2163.	2593.	2130.	1651.	1249.	715.	193.
	82.5	5025.	5076.	5754.	4901.	5557.	5498.	4564.	3956.	1642.	370.
V	80.0	8150.	8430.	10585.	8980.	10335.	10871.	8916.	6356.	3383.	1424.
E	77.5	15609.	15813.	17981.	16733.	18471.	17438.	12804.	8781.	5170.	2121.
R	75.0	21965.	22645.	24615.	22365.	18041.	18039.	14577.	10427.	6736.	3202.
T	72.5	22054.	21247.	23958.	21525.	18103.	17153.	15236.	12866.	8388.	3559.
I	70.0	19221.	17908.	20868.	20736.	19855.	18583.	15481.	13978.	10189.	4293.
C	67.5	18599.	17521.	20252.	22816.	22129.	20223.	16531.	14567.	10876.	5626.
A	65.0	19943.	19455.	21995.	24661.	24697.	21994.	16635.	15418.	11069.	5720.
L	62.5	20926.	19860.	22480.	25186.	26696.	23857.	17391.	14769.	12138.	6983.
	61.0<	21416.	20386.	22761.	25613.	27731.	22986.	17524.	14347.	11307.	6946.
A	60.0	21796.	20809.	23138.	26478.	27315.	22415.	17049.	14129.	11001.	6791.
N	57.5	22856.	22076.	24565.	26117.	24242.	20710.	16223.	13703.	11176.	7213.
G	55.0	22340.	21545.	22994.	22401.	21446.	18213.	14741.	13078.	10701.	7021.
L	52.5	19676.	18983.	19356.	19722.	19099.	16651.	14449.	12826.	10265.	6934.
E	50.0	17119.	16614.	17071.	17532.	17095.	15320.	14577.	12253.	10114.	6922.
	47.5	15032.	14818.	15390.	15803.	15712.	14727.	13455.	11790.	9758.	6679.
	45.0	13944.	13841.	14331.	14395.	14301.	14205.	12508.	11096.	9456.	6602.
	42.5	12964.	13006.	13173.	13098.	13437.	12841.	11853.	10511.	9182.	6272.
	40.0	12145.	12361.	12459.	12632.	12453.	11833.	11345.	10240.	8855.	5814.
	37.5	11853.	12024.	12094.	12028.	11496.	11279.	10866.	9919.	8767.	5910.
	35.0	11468.	11494.	11221.	11142.	10758.	10576.	10455.	9799.	8410.	5763.
	30.0	10044.	10069.	9673.	9556.	9267.	9310.	9397.	8904.	7620.	5152.
	25.0	8958.	8963.	8932.	8683.	8251.	8043.	7950.	7501.	6298.	4303.
	20.0	8013.	8037.	8015.	7996.	7811.	7302.	6995.	6261.	4929.	3621.
	15.0	7111.	7131.	7057.	7						

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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
180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.5	115.	66.	67.	69.	70.	71.	71.	71.	69.	68.	68.
85.0	114.	73.	70.	70.	71.	70.	69.	69.	68.	67.	67.
82.5	187.	84.	72.	69.	68.	68.	66.	65.	64.	63.	63.
V 80.0	815.	95.	75.	69.	66.	65.	63.	62.	60.	59.	59.
E 77.5	1345.	114.	81.	70.	64.	62.	60.	58.	57.	56.	55.
R 75.0	1699.	151.	85.	71.	62.	59.	58.	56.	55.	54.	53.
T 72.5	1885.	234.	92.	76.	61.	58.	56.	55.	53.	51.	51.
I 70.0	2172.	318.	106.	86.	61.	57.	55.	54.	53.	50.	50.
C 67.5	2617.	406.	111.	84.	62.	57.	55.	54.	52.	50.	49.
A 65.0	2640.	546.	121.	105.	63.	57.	54.	54.	53.	50.	49.
L 62.5	2803.	703.	133.	130.	65.	58.	55.	54.	53.	50.	50.
61.0<<	2861.	831.	149.	159.	67.	58.	55.	54.	53.	50.	50.
A 60.0	2936.	897.	148.	224.	69.	58.	55.	54.	53.	50.	49.
N 57.5	3366.	1086.	162.	143.	70.	58.	55.	55.	53.	50.	50.
G 55.0	3600.	1369.	185.	128.	70.	59.	56.	55.	54.	51.	50.
L 52.5	3861.	1543.	213.	113.	74.	59.	56.	55.	54.	51.	51.
E 50.0	4119.	1660.	269.	118.	77.	62.	56.	56.	54.	51.	51.
47.5	4281.	1776.	290.	118.	85.	62.	58.	56.	55.	52.	52.
45.0	4342.	1891.	292.	120.	85.	65.	57.	57.	55.	53.	53.
42.5	4261.	2010.	328.	141.	105.	66.	59.	58.	56.	54.	54.
40.0	4227.	2125.	402.	150.	146.	66.	61.	59.	57.	55.	55.
37.5	4295.	2372.	580.	163.	175.	69.	62.	60.	58.	57.	57.
35.0	4381.	2571.	752.	164.	126.	81.	63.	61.	59.	58.	58.
30.0	4030.	3161.	894.	225.	124.	93.	72.	66.	61.	60.	60.
25.0	3477.	2632.	1073.	361.	148.	96.	84.	74.	67.	64.	64.
20.0	3003.	2465.	1251.	590.	257.	151.	103.	79.	71.	71.	71.
15.0	2836.	2447.	1591.	879.	502.	304.	187.	125.	88.	79.	80.
10.0	2692.	2452.	1997.	1395.	903.	654.	463.	359.	270.	224.	230.
5.0	2439.	2300.	2060.	1881.	1642.	1398.	1218.	1018.	952.	891.	919.
0.0	2241.	2241.	2241.	2241.	2241.	2241.	2241.	2241.	2241.	2241.	2241.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	56
5- 10	194
10- 15	378
15- 20	580
20- 25	808
25- 30	1111
30- 35	1454
35- 40	1812
40- 45	2199
45- 50	2724
50- 55	3418
55- 60	4243
60- 65	4560
65- 70	4283
70- 75	4141
75- 80	3295
80- 85	1212
85- 90	155
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
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	250
0- 20	1209
0- 30	3128
0- 40	6394
0- 50	11317
0- 60	18978
0- 70	27821
0- 80	35257
0- 90	36624
0-100	36624
0-110	36624
0-120	36624
0-130	36624
0-140	36624
0-150	36624
0-160	36624
0-170	36624
0-180	36624