

REPORT NUMBER: PRORATED FROM RAB04361

PAGE: 1 OF 10

ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T66Y/480 - RWLED4T66Y/480 - RWLED4T66SFY/480 -
WPLED4T66Y/480 (TYPE IV)

LUMINAIRE: CAST FINNED METAL HOUSING, 6 CIRCUIT BOARDS EACH WITH 1 LED,
MOLDED 2-PIECE PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER
LED, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL LENS FRAME.

LAMPS: SIX WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDS), 2 LEDES TILTED
56-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 18-DEGREES FROM
STRAIGHT AHEAD, 2 LEDES TILTED 57-DEGREES FROM VERTICAL BASE-UP POSITION
AND CANTED 16-DEGREES FROM STRAIGHT AHEAD, 2 LEDES TILTED 57-DEGREES FROM
VERTICAL BASE-UP POSITION AND CANTED 22-DEGREES FROM STRAIGHT AHEAD.

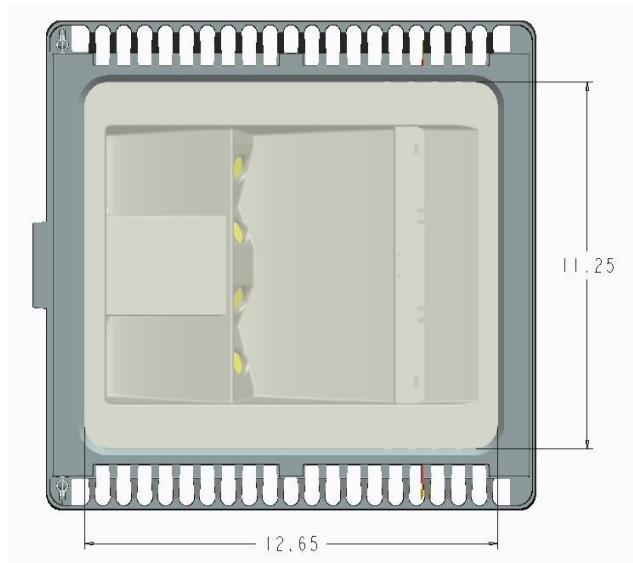
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04361 WHICH WAS
ALED4T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 66.6 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: RD-H065-A1810-480

PROCEDURE: TEST PROCEDURE: IESNA LM-79-08

NOTE: LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE



Checked X.CAO

Approved D.WANG-MUNSON

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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

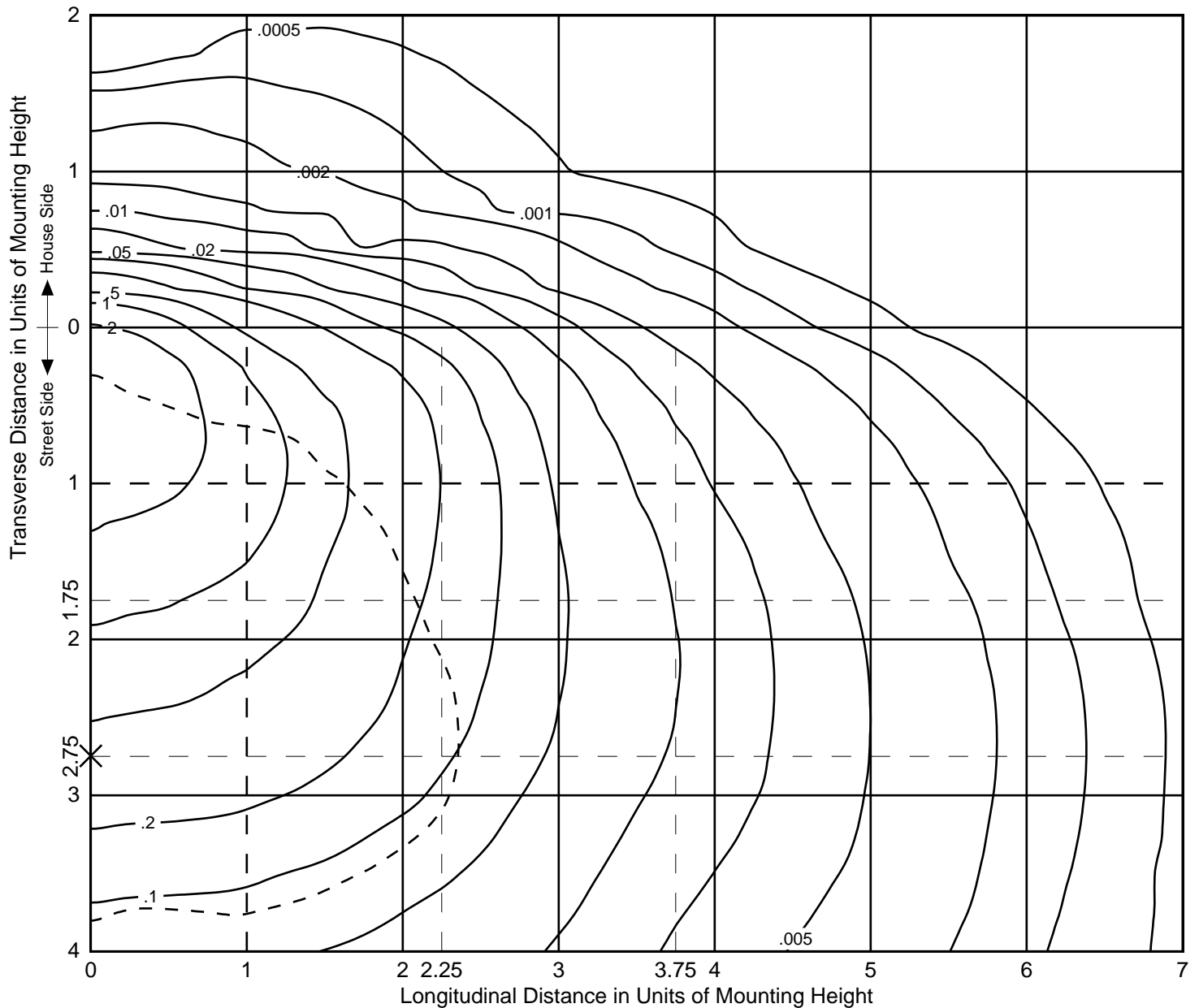
Values based on 25-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — — 1/2 Maximum Candela trace

× Maximum Candela point



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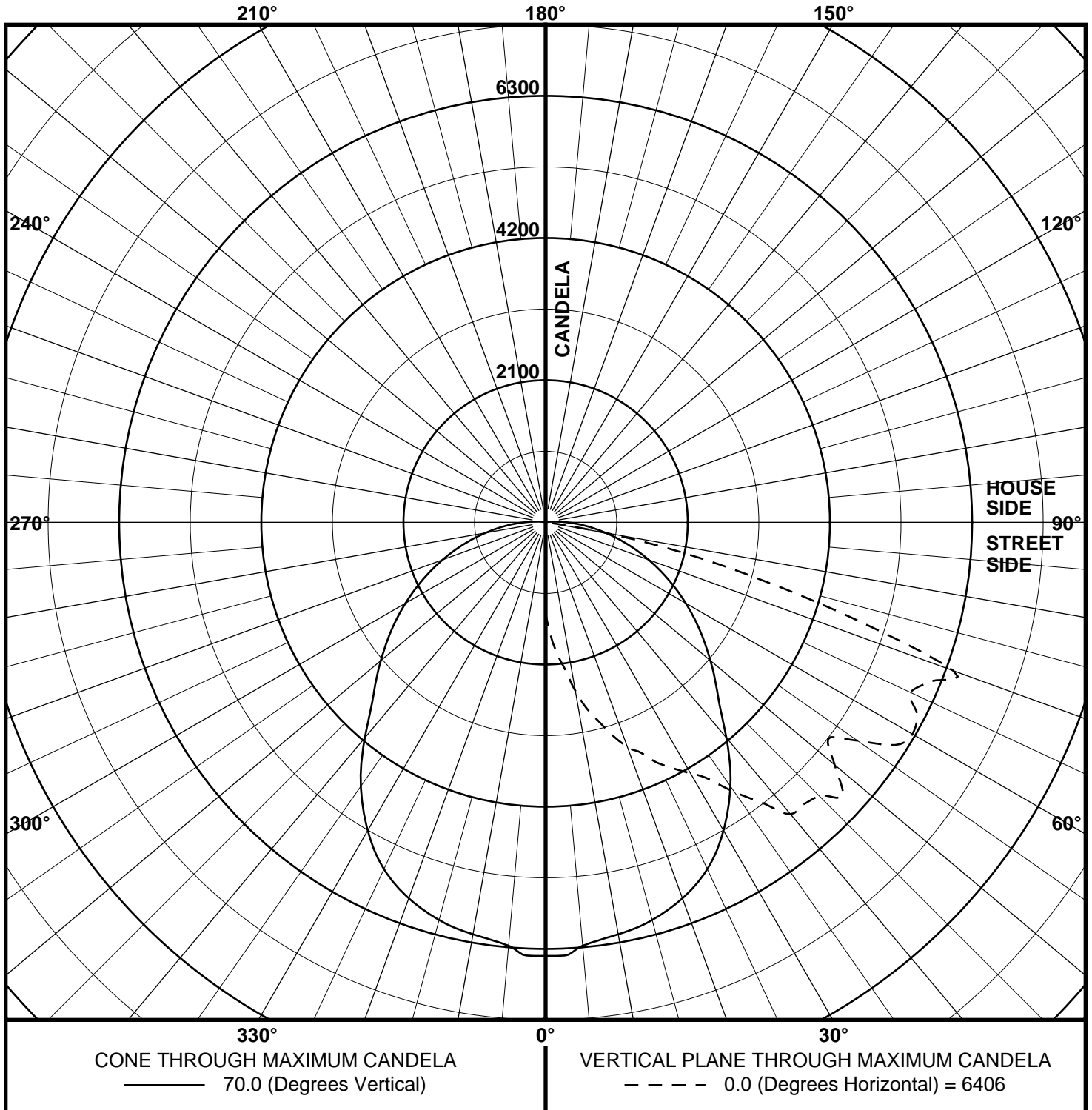
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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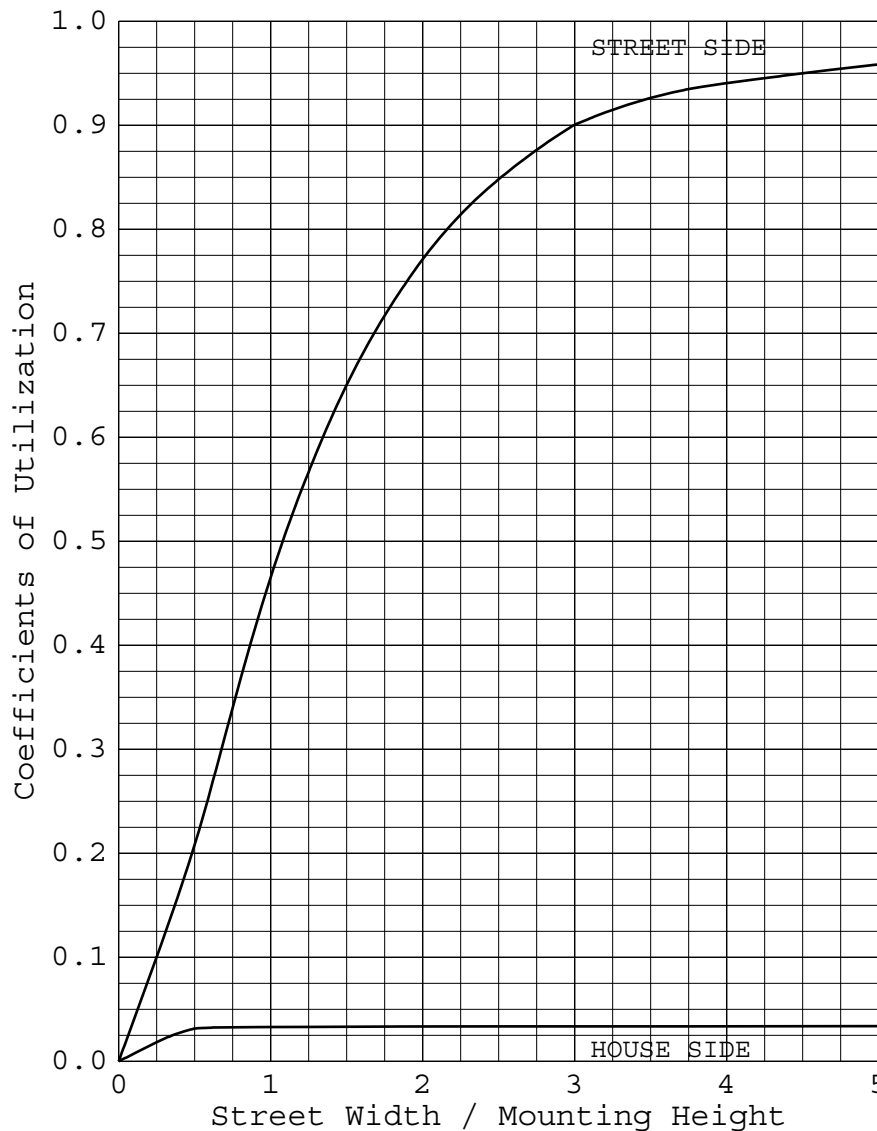
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	8282	96.5
DOWNWARD HOUSE SIDE	297	3.5
DOWNWARD TOTAL	8579	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	8579	100.0

EFFICACY = 128.8 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.

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BUG Rating			B1 U0 G2		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	8282			
FM	(30° – 60°)	1037.7			
FH	(60° – 80°)	4053.3			
FVH	(80° – 90°)	3113.2			G2
		77.8			G1
Backward					
BL	(0° – 30°)	297			
BM	(30° – 60°)	161.2	B1		
BH	(60° – 80°)	106.3	B0		
BVH	(80° – 90°)	25.6	B0		G0
		3.6			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		8579			
		100.0			

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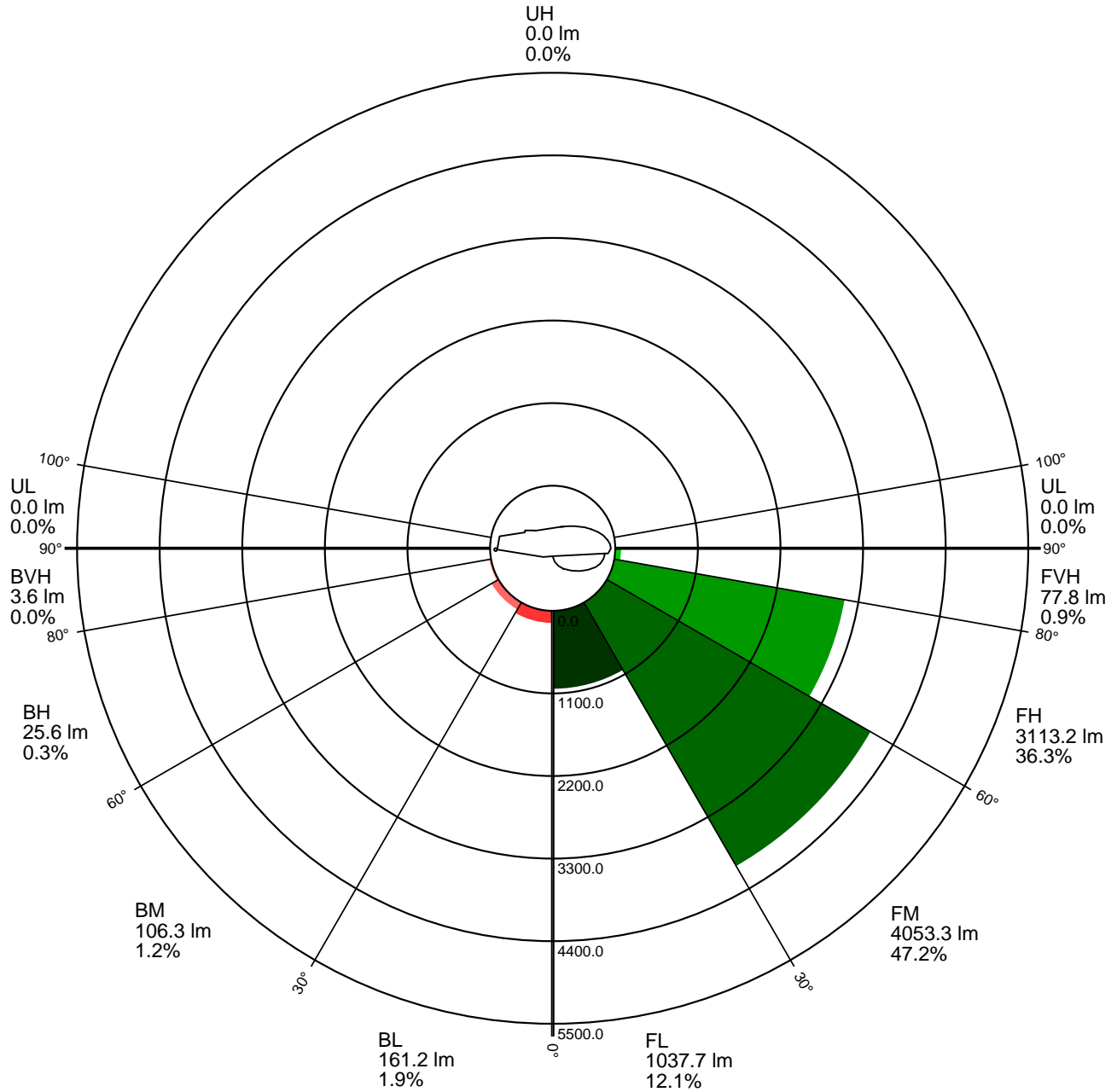
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Zonal Lumen Summary

(Linear scale)



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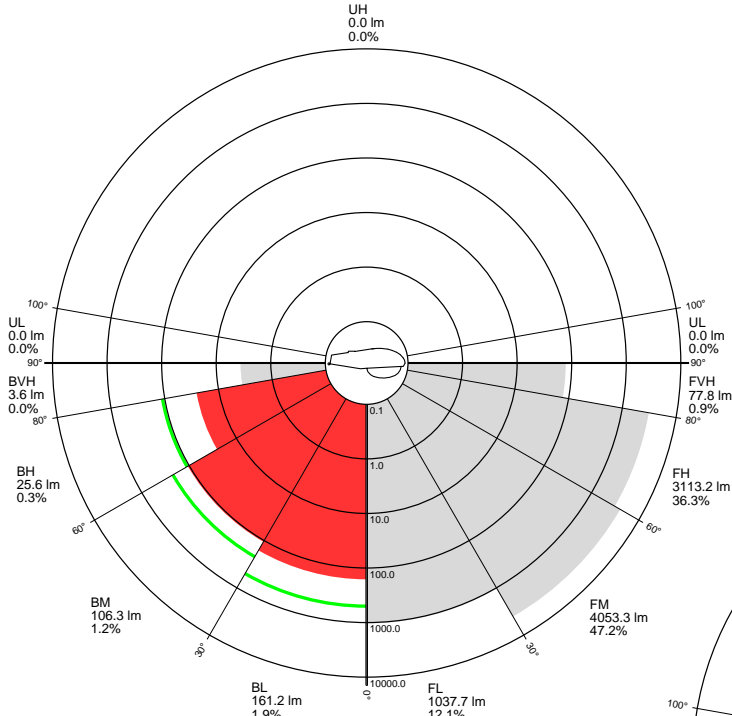
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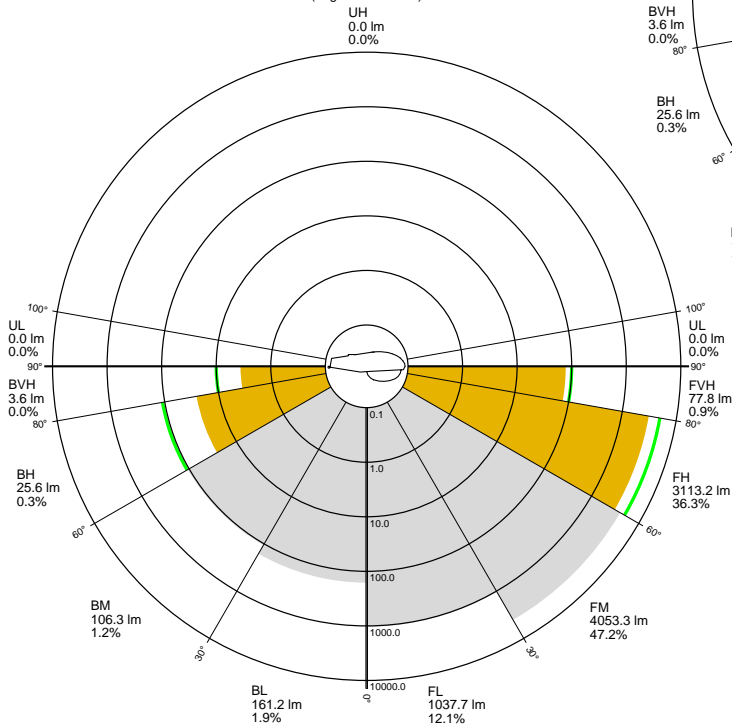
Backlight Rating Details

(Logarithmic scale)



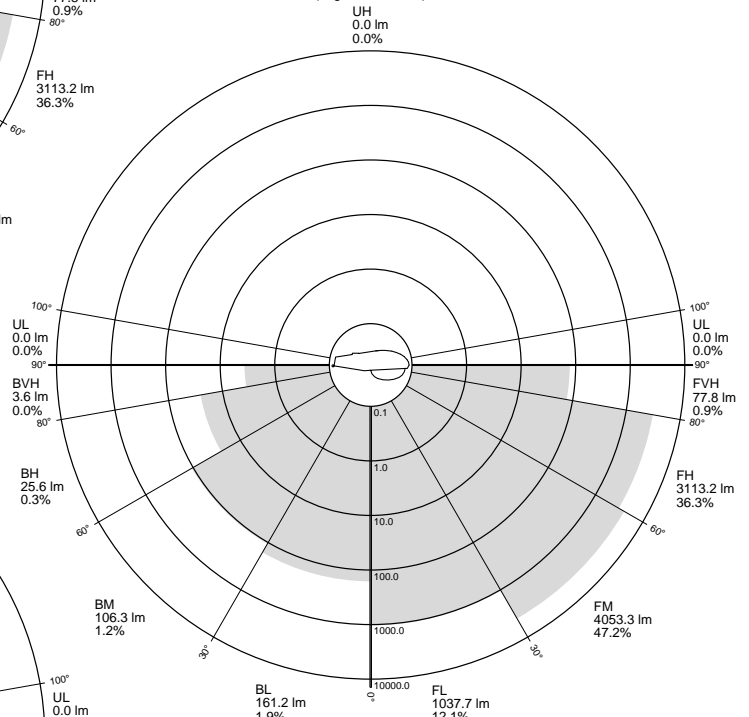
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET SIDE										
	0.0	2.5	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.	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.
92.5	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	9.	9.	8.	9.	7.	7.	9.	10.	10.	10.	10.
85.0	24.	23.	22.	50.	86.	64.	41.	33.	40.	17.	11.
V 82.5	89.	84.	75.	150.	258.	329.	290.	204.	131.	58.	21.
E 80.0	864.	831.	777.	978.	1138.	1030.	832.	776.	511.	244.	92.
R 77.5	2084.	2035.	1968.	2269.	2264.	2107.	1574.	1279.	840.	419.	179.
T 75.0	3332.	3266.	3164.	3492.	3540.	3479.	2720.	1737.	1055.	558.	259.
I 72.5	4851.	4765.	4618.	5056.	5163.	4454.	3330.	2258.	1410.	768.	378.
C 70.0<<	6406.	6406.	6277.	6082.	5652.	4760.	3595.	2781.	2002.	1250.	588.
A 67.5	6141.	6016.	5917.	5828.	5479.	5036.	3887.	3084.	2464.	1662.	870.
L 65.0	5943.	5874.	5726.	5889.	5556.	5182.	4055.	3321.	2666.	1978.	1047.
62.5	6191.	6076.	5851.	5953.	5603.	5386.	4468.	3366.	2693.	2124.	1066.
A 60.0	6256.	6062.	5777.	5743.	5636.	5587.	4870.	3633.	2657.	2089.	986.
N 57.5	6123.	5906.	5583.	5439.	5351.	4965.	4774.	3909.	2678.	1957.	944.
G 55.0	5627.	5460.	5187.	5045.	4911.	4627.	4748.	3952.	2702.	1847.	967.
L 52.5	5260.	5166.	4959.	4795.	4744.	4494.	4413.	3650.	2640.	1770.	960.
E 50.0	5575.	5500.	5359.	5215.	4959.	4342.	4213.	3433.	2573.	1797.	994.
47.5	5960.	5892.	5715.	5237.	4859.	4544.	3882.	3200.	2492.	1813.	994.
45.0	5709.	5675.	5550.	5118.	4965.	4426.	3593.	2970.	2413.	1756.	1039.
42.5	5647.	5630.	5561.	5279.	4889.	4022.	3409.	2867.	2362.	1704.	1105.
40.0	5629.	5601.	5532.	5201.	4463.	3809.	3299.	2862.	2347.	1675.	1135.
37.5	5207.	5174.	5113.	4761.	4160.	3642.	3211.	2815.	2345.	1733.	1164.
35.0	4863.	4834.	4761.	4381.	3931.	3487.	3166.	2763.	2280.	1748.	1236.
32.5	4504.	4484.	4424.	4057.	3726.	3351.	3049.	2714.	2222.	1719.	1279.
30.0	4278.	4259.	4209.	3816.	3587.	3242.	2929.	2607.	2204.	1715.	1328.
25.0	3923.	3917.	3883.	3548.	3300.	3029.	2747.	2455.	2138.	1733.	1397.
20.0	3534.	3532.	3516.	3336.	3089.	2840.	2592.	2320.	1988.	1694.	1380.
15.0	3050.	3043.	3034.	2941.	2770.	2561.	2356.	2113.	1879.	1703.	1405.
10.0	2530.	2521.	2531.	2439.	2345.	2187.	2044.	1916.	1791.	1619.	1398.
5.0	1950.	1958.	1952.	1931.	1893.	1845.	1793.	1703.	1604.	1499.	1376.
0.0	1349.	1349.	1349.	1349.	1349.	1349.	1349.	1349.	1349.	1349.	1349.

||
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
	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.
	92.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	10.	10.	10.	9.	9.	8.	7.	6.	5.	4. 4.
	85.0	11.	10.	10.	9.	8.	8.	7.	5.	4.	3. 3.
V	82.5	15.	13.	10.	9.	8.	7.	6.	5.	3.	2. 2.
E	80.0	37.	15.	11.	9.	8.	7.	6.	4.	2.	1. 1.
R	77.5	72.	24.	12.	9.	8.	7.	5.	4.	2.	1. 0.
T	75.0	134.	42.	12.	10.	8.	6.	5.	4.	2.	0. 0.
I	72.5	202.	63.	13.	10.	7.	6.	5.	3.	2.	0. 0.
C	70.0<<	321.	107.	15.	11.	9.	6.	5.	3.	2.	0. 0.
A	67.5	482.	142.	20.	11.	10.	7.	5.	3.	2.	0. 0.
L	65.0	584.	183.	27.	12.	10.	8.	5.	3.	2.	0. 0.
	62.5	589.	217.	31.	12.	9.	7.	7.	3.	2.	0. 0.
A	60.0	603.	263.	29.	23.	9.	8.	7.	5.	2.	0. 0.
N	57.5	703.	298.	43.	25.	9.	8.	7.	6.	4.	3. 3.
G	55.0	727.	347.	62.	22.	11.	9.	7.	6.	5.	5. 4.
L	52.5	703.	390.	88.	21.	12.	9.	9.	7.	5.	5. 5.
E	50.0	695.	385.	114.	24.	18.	10.	8.	11.	8.	6. 5.
	47.5	688.	394.	131.	35.	23.	10.	8.	6.	5.	5. 5.
	45.0	716.	437.	172.	38.	26.	13.	9.	5.	5.	4. 5.
	42.5	789.	496.	209.	40.	26.	21.	10.	7.	5.	4. 5.
	40.0	828.	547.	212.	59.	27.	25.	16.	10.	6.	5. 6.
	37.5	860.	588.	239.	96.	25.	23.	28.	20.	11.	8. 9.
	35.0	915.	634.	272.	152.	28.	25.	33.	32.	23.	19. 20.
	32.5	957.	678.	315.	180.	39.	28.	28.	31.	31.	30. 33.
	30.0	1015.	745.	388.	198.	87.	30.	26.	25.	27.	30. 34.
	25.0	1117.	866.	534.	290.	205.	105.	35.	27.	25.	27. 28.
	20.0	1146.	931.	637.	420.	271.	197.	141.	91.	57.	49. 45.
	15.0	1222.	1038.	821.	579.	421.	305.	253.	220.	195.	186. 183.
	10.0	1277.	1159.	958.	840.	671.	567.	490.	434.	402.	396. 386.
	5.0	1316.	1257.	1158.	1073.	996.	950.	911.	884.	846.	815. 825.
	0.0	1349.	1349.	1349.	1349.	1349.	1349.	1349.	1349.	1349.	1349. 1349.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	32
5- 10	96
10- 15	162
15- 20	230
20- 25	302
25- 30	377
30- 35	459
35- 40	558
40- 45	658
45- 50	746
50- 55	811
55- 60	928
60- 65	992
65- 70	969
70- 75	787
75- 80	390
80- 85	76
85- 90	6
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	129
0- 20	520
0- 30	1199
0- 40	2215
0- 50	3620
0- 60	5359
0- 70	7320
0- 80	8497
0- 90	8579
0-100	8579
0-110	8579
0-120	8579
0-130	8579
0-140	8579
0-150	8579
0-160	8579
0-170	8579
0-180	8579