

REPORT NUMBER: PRORATED FROM RAB04284

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ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T50N - RWLED4T50N - RWLED4T50SFN - WPLED4T50N (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 LEDs TILTED 56-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 18-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 57-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 16-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 57-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 22-DEGREES FROM STRAIGHT AHEAD.

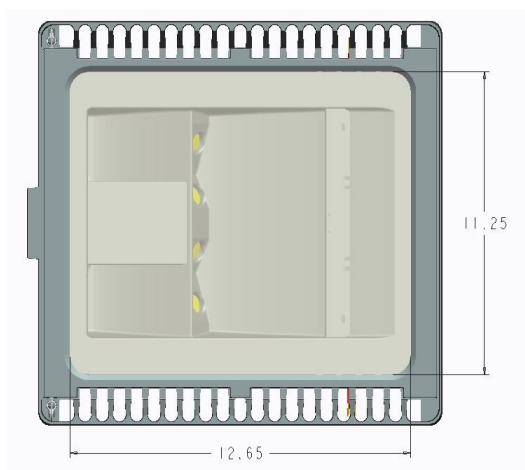
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04284 WHICH WAS ALED4T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 51.4 W AT 277.0 VAC.

LED DRIVER: LED DRIVER: RD-052-A1400-R

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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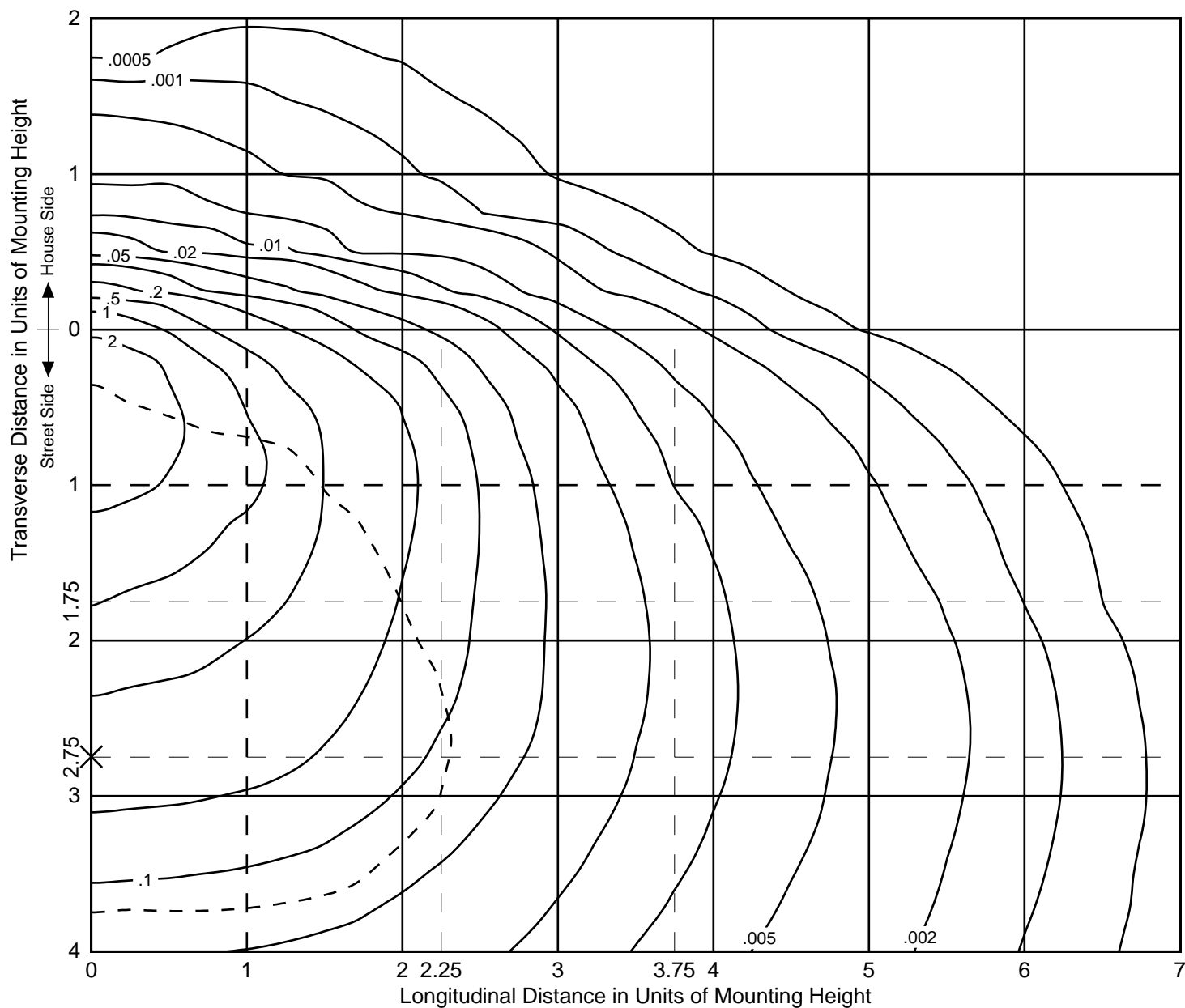
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IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — - 1/2 Maximum Candela trace

✕ Maximum Candela point



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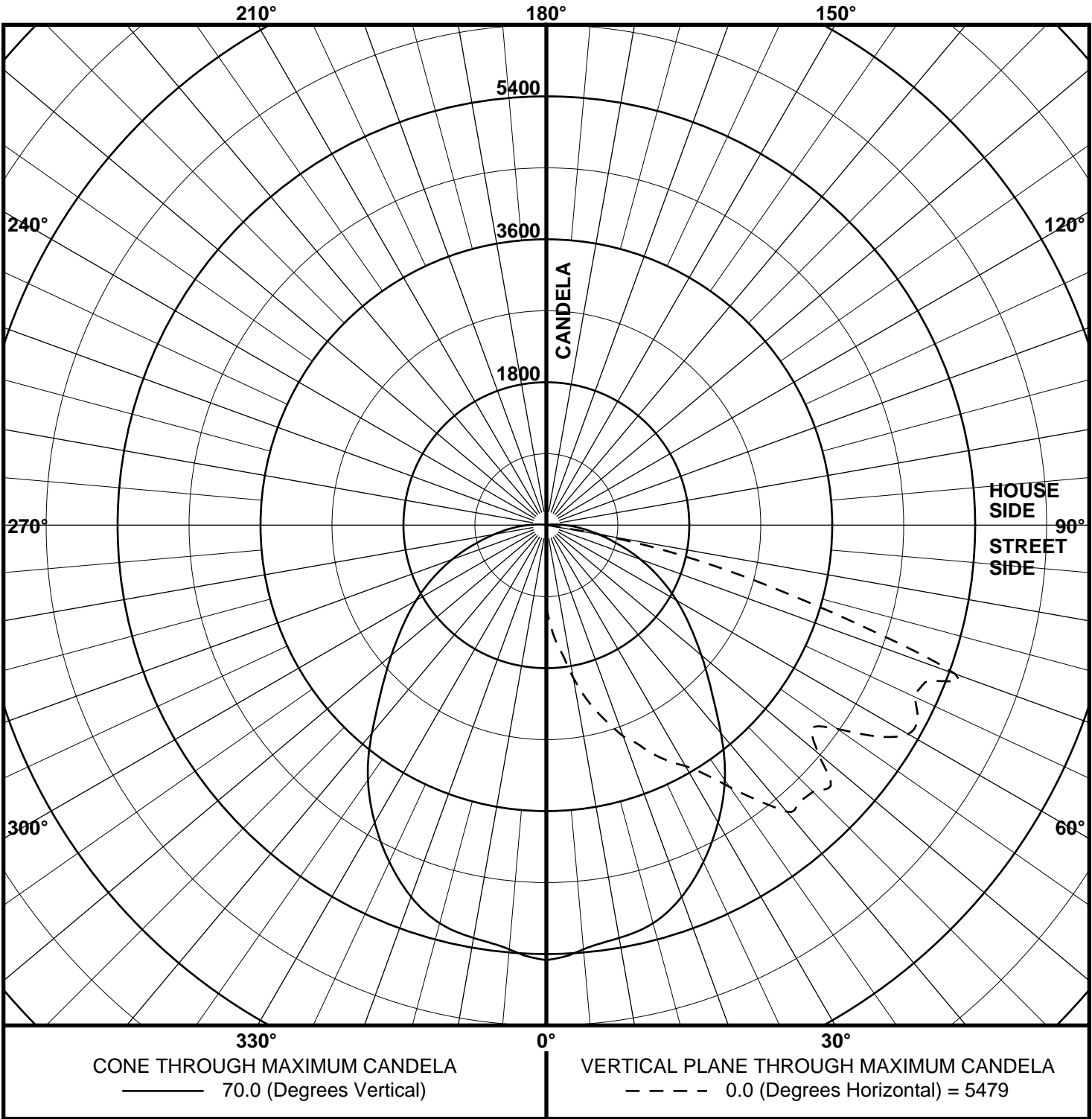
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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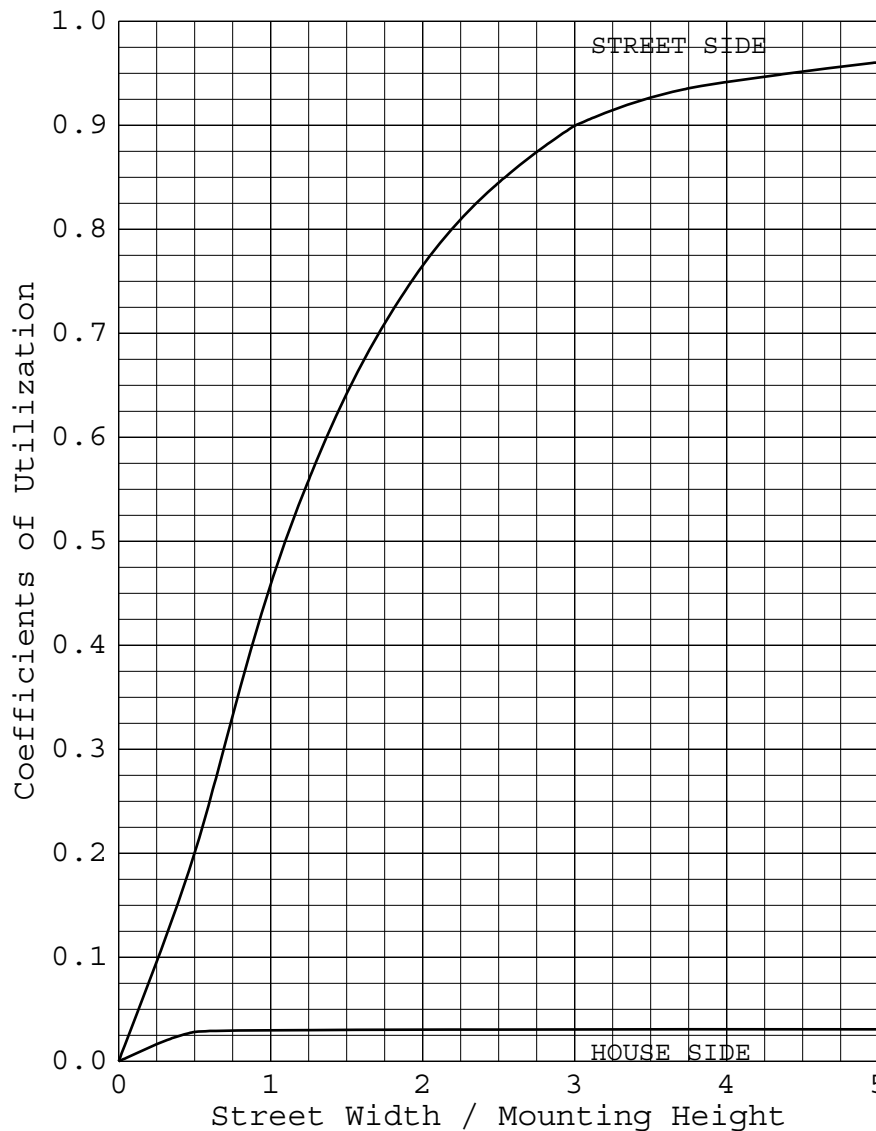
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	6698	96.8
DOWNWARD HOUSE SIDE	220	3.2
DOWNWARD TOTAL	6918	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	6918	100.0

EFFICACY = 134.6 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°)	6698			
FM	(30° – 60°)	815.1			
FH	(60° – 80°)	3251.4			
FVH	(80° – 90°)	2565.0			G2
		66.7			G1
Backward					
BL	(0° – 30°)	220			
BM	(30° – 60°)	118.1	B1		
BH	(60° – 80°)	78.8	B0		
BVH	(80° – 90°)	19.8	B0		G0
		3.2			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		6918			
		100.0			

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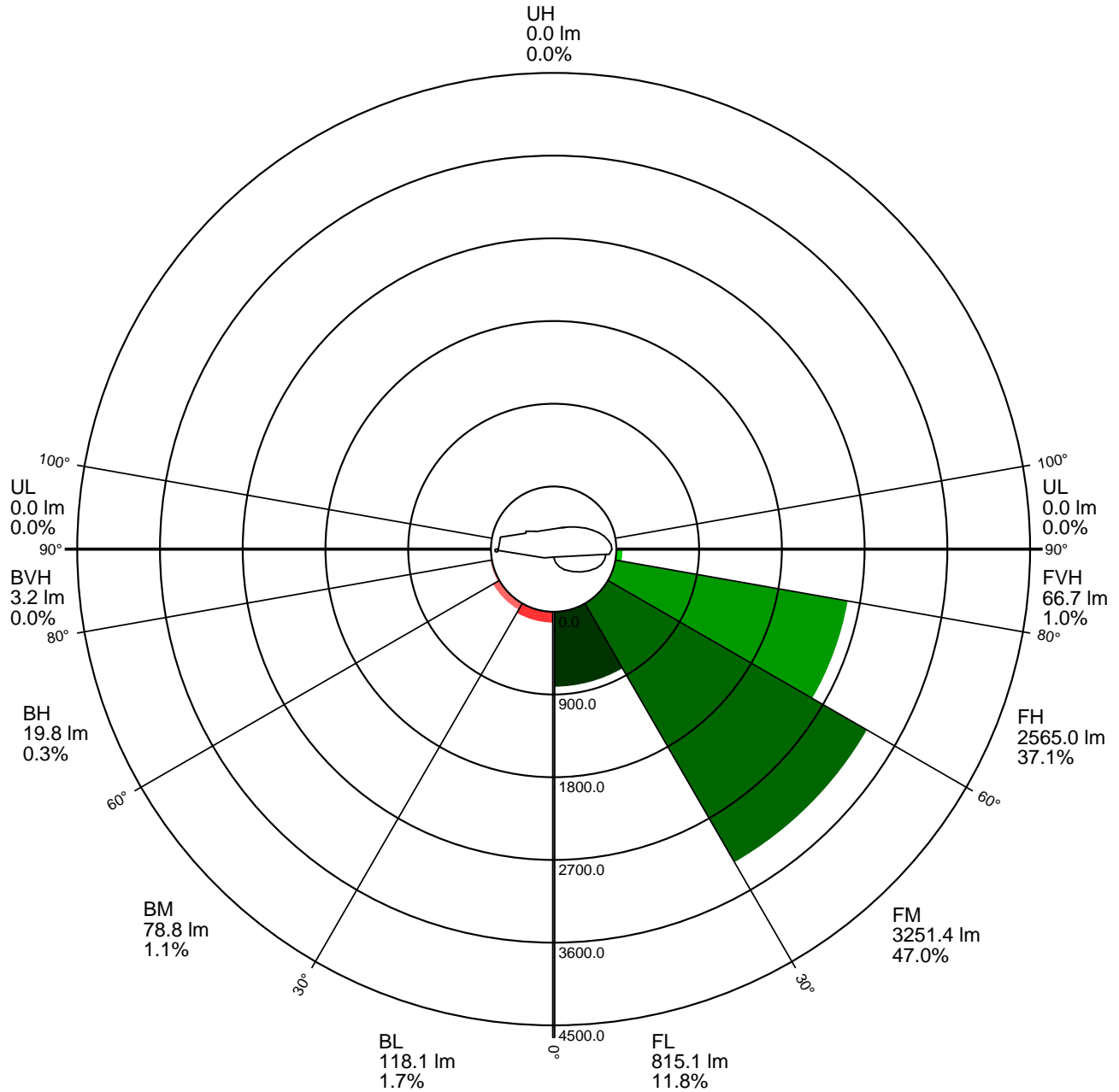
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Zonal Lumen Summary

(Linear scale)



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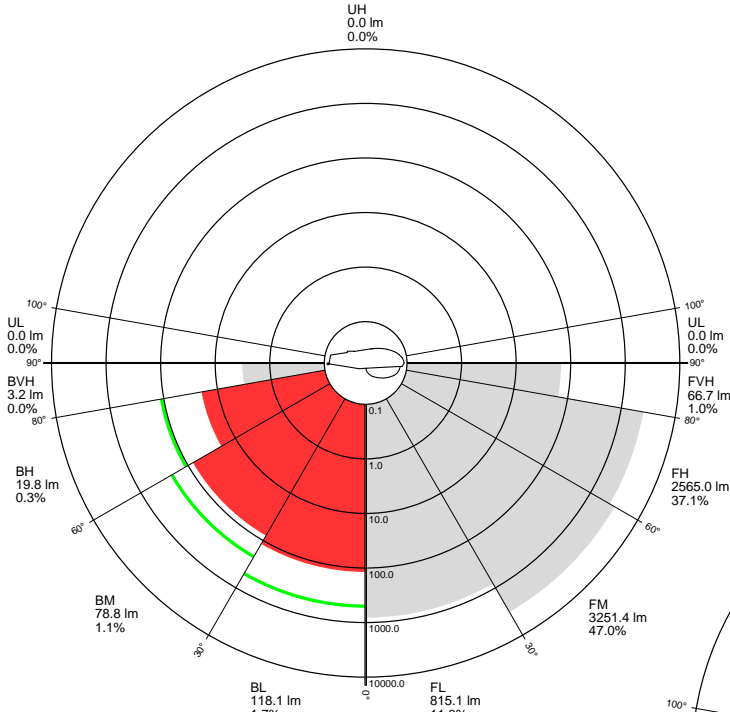
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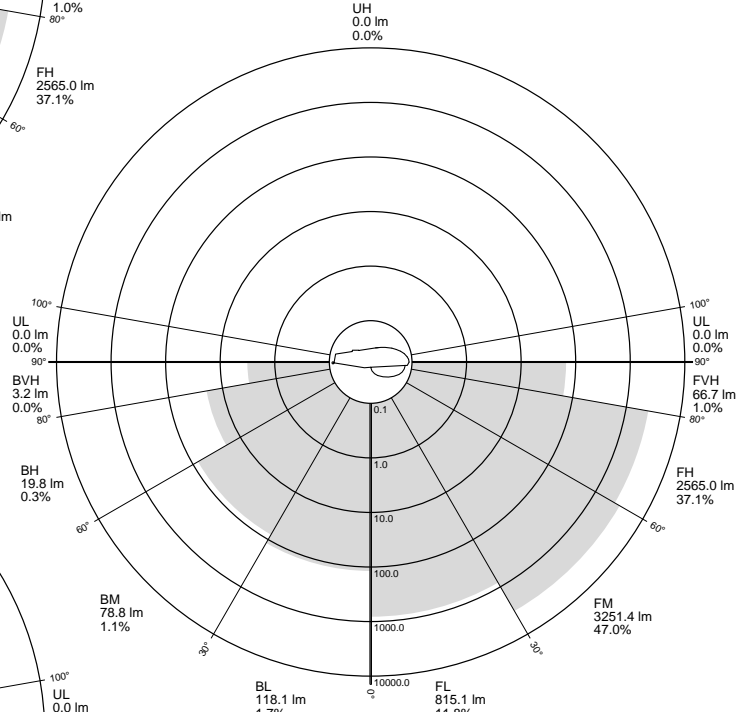
Backlight Rating Details

(Logarithmic scale)



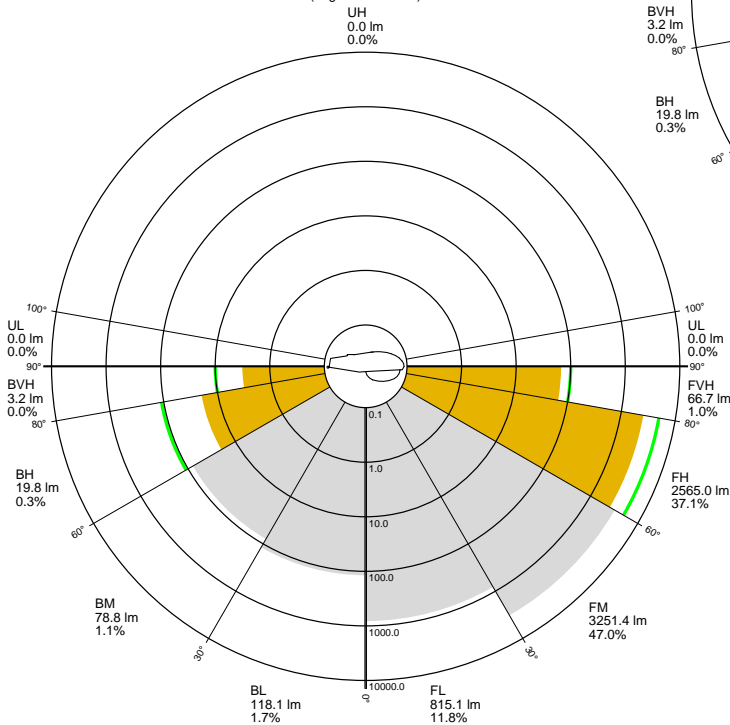
Uplight Rating Details

(Logarithmic scale)



Glare Rating Details

(Logarithmic scale)



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CANDELA TABULATION

STREET SIDE		LATERAL ANGLE										
		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	8.	9.	11.	10.	11.	7.	8.	8.	8.	8.	9.
	85.0	23.	23.	24.	46.	93.	61.	47.	30.	34.	15.	10.
V	82.5	65.	70.	76.	129.	257.	256.	275.	174.	118.	44.	19.
E	80.0	652.	667.	698.	780.	1028.	821.	715.	591.	422.	186.	71.
R	77.5	1707.	1694.	1709.	1881.	1995.	1752.	1386.	1014.	625.	306.	128.
T	75.0	2765.	2733.	2759.	2918.	3104.	2860.	2313.	1426.	875.	423.	187.
I	72.5	4042.	4006.	3981.	4256.	4435.	3670.	2722.	1822.	1117.	621.	294.
C	70.0<<	5479.	5436.	5361.	5190.	4679.	3918.	2937.	2205.	1579.	945.	436.
A	67.5	5165.	5088.	4988.	4934.	4555.	4140.	3212.	2454.	1933.	1254.	633.
L	65.0	5127.	5027.	4898.	4993.	4614.	4239.	3348.	2676.	2080.	1489.	766.
	62.5	5271.	5152.	4950.	4988.	4650.	4351.	3627.	2641.	2128.	1616.	767.
A	60.0	5263.	5118.	4868.	4790.	4535.	4340.	3801.	2841.	2104.	1601.	710.
N	57.5	4955.	4835.	4549.	4403.	4226.	3837.	3733.	3120.	2112.	1497.	701.
G	55.0	4478.	4364.	4161.	4058.	3816.	3667.	3765.	3153.	2132.	1423.	709.
L	52.5	4212.	4145.	3996.	3822.	3797.	3657.	3548.	2921.	2055.	1356.	723.
E	50.0	4468.	4408.	4329.	4191.	4004.	3552.	3409.	2732.	1994.	1355.	756.
	47.5	4859.	4800.	4676.	4277.	4036.	3708.	3170.	2534.	1927.	1357.	753.
	45.0	4748.	4713.	4626.	4240.	4098.	3627.	2885.	2351.	1866.	1331.	779.
	42.5	4722.	4695.	4631.	4366.	4025.	3302.	2735.	2274.	1829.	1314.	827.
	40.0	4710.	4676.	4616.	4342.	3692.	3103.	2661.	2274.	1819.	1275.	840.
	37.5	4367.	4319.	4263.	3957.	3396.	2966.	2593.	2240.	1816.	1302.	860.
	35.0	4025.	3974.	3901.	3578.	3204.	2829.	2548.	2194.	1761.	1318.	923.
	32.5	3719.	3690.	3637.	3330.	3022.	2718.	2449.	2151.	1725.	1310.	957.
	30.0	3505.	3483.	3443.	3127.	2903.	2617.	2343.	2056.	1711.	1311.	997.
	25.0	3181.	3165.	3142.	2876.	2656.	2410.	2167.	1931.	1644.	1313.	1049.
	20.0	2829.	2813.	2803.	2659.	2441.	2246.	2038.	1800.	1527.	1284.	1039.
	15.0	2420.	2417.	2398.	2327.	2169.	1997.	1814.	1628.	1431.	1296.	1056.
	10.0	1950.	1948.	1941.	1888.	1790.	1678.	1559.	1468.	1363.	1232.	1051.
	5.0	1495.	1504.	1491.	1468.	1440.	1408.	1363.	1300.	1217.	1136.	1046.
	0.0	1031.	1031.	1031.	1031.	1031.	1031.	1031.	1031.	1031.	1031.	1031.

||
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.	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.	8.	8.	7.	6.	5.	5.	5.	4.
	85.0	9.	9.	8.	8.	7.	7.	6.	5.	4.	4.	4.
V	82.5	14.	11.	9.	8.	7.	7.	6.	5.	3.	3.	3.
E	80.0	29.	12.	10.	8.	7.	7.	5.	4.	3.	3.	3.
R	77.5	47.	20.	11.	8.	7.	6.	5.	4.	3.	2.	2.
T	75.0	95.	26.	11.	9.	7.	6.	5.	4.	3.	2.	2.
I	72.5	148.	43.	11.	10.	7.	6.	5.	4.	3.	2.	2.
C	70.0<<	233.	83.	13.	10.	7.	6.	5.	4.	3.	2.	2.
A	67.5	352.	104.	17.	10.	9.	6.	5.	4.	3.	2.	2.
L	65.0	423.	124.	23.	11.	9.	7.	5.	4.	3.	2.	2.
	62.5	441.	143.	26.	11.	9.	7.	6.	4.	3.	2.	3.
A	60.0	442.	176.	24.	17.	9.	7.	7.	5.	3.	2.	3.
N	57.5	512.	204.	34.	20.	9.	7.	7.	7.	5.	4.	4.
G	55.0	547.	241.	47.	20.	10.	8.	7.	7.	7.	6.	7.
L	52.5	536.	273.	69.	19.	12.	9.	9.	7.	7.	7.	7.
E	50.0	521.	272.	88.	21.	15.	10.	10.	10.	8.	7.	7.
	47.5	512.	279.	96.	27.	19.	11.	8.	9.	8.	7.	7.
	45.0	527.	309.	124.	33.	23.	12.	10.	7.	7.	6.	7.
	42.5	575.	350.	151.	35.	24.	17.	10.	7.	7.	6.	7.
	40.0	606.	382.	150.	48.	23.	22.	13.	10.	7.	7.	7.
	37.5	621.	421.	162.	74.	24.	22.	21.	15.	10.	8.	9.
	35.0	671.	458.	181.	111.	26.	22.	29.	24.	17.	14.	15.
	32.5	709.	482.	211.	134.	33.	25.	27.	29.	26.	23.	26.
	30.0	755.	533.	257.	147.	62.	29.	26.	26.	27.	27.	31.
	25.0	830.	624.	374.	208.	158.	69.	32.	26.	25.	26.	27.
	20.0	854.	677.	467.	283.	201.	152.	111.	67.	47.	41.	43.
	15.0	910.	766.	603.	405.	285.	215.	189.	164.	153.	141.	145.
	10.0	960.	865.	700.	616.	486.	391.	344.	304.	288.	277.	285.
	5.0	997.	951.	868.	794.	737.	688.	673.	649.	632.	607.	636.
	0.0	1031.	1031.	1031.	1031.	1031.	1031.	1031.	1031.	1031.	1031.	1031.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	25
5- 10	72
10- 15	123
15- 20	178
20- 25	237
25- 30	299
30- 35	366
35- 40	449
40- 45	533
45- 50	601
50- 55	646
55- 60	736
60- 65	806
65- 70	797
70- 75	656
75- 80	326
80- 85	65
85- 90	5
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	97
0- 20	398
0- 30	933
0- 40	1748
0- 50	2882
0- 60	4263
0- 70	5866
0- 80	6848
0- 90	6918
0-100	6918
0-110	6918
0-120	6918
0-130	6918
0-140	6918
0-150	6918
0-160	6918
0-170	6918
0-180	6918