

REPORT NUMBER: PRORATED FROM RAB04284

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ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T66Y - RWLED4T66Y - RWLED4T66SFY - WPLED4T66Y (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.

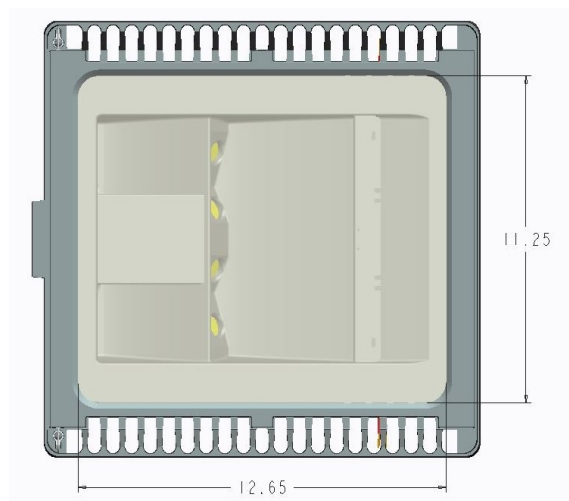
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04284 WHICH WAS ALED4T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 65.3 W AT 120.0 VAC.

LED DRIVER: LED DRIVER: RDD-U85-A1750

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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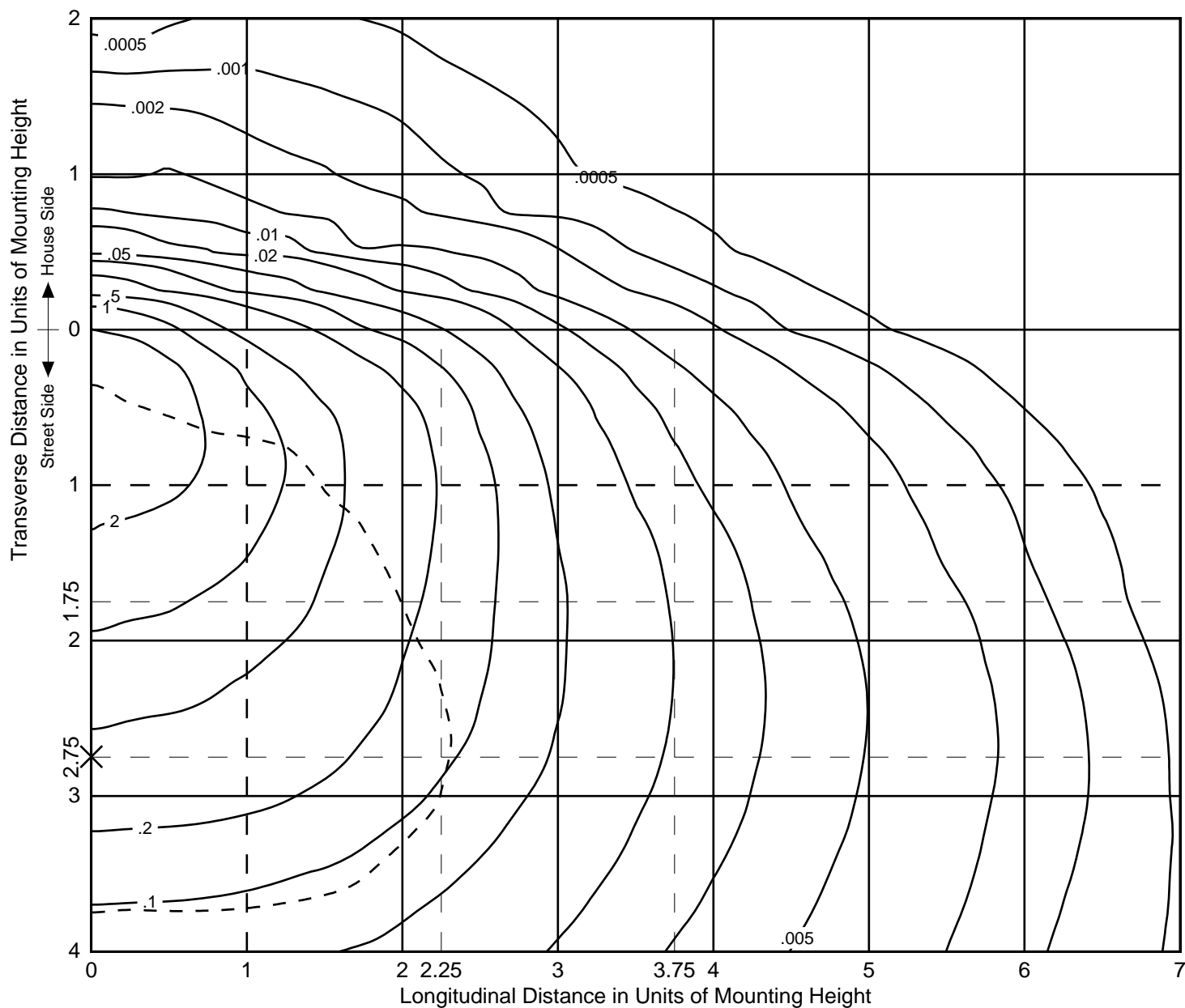
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IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — - 1/2 Maximum Candela trace

✕ Maximum Candela point



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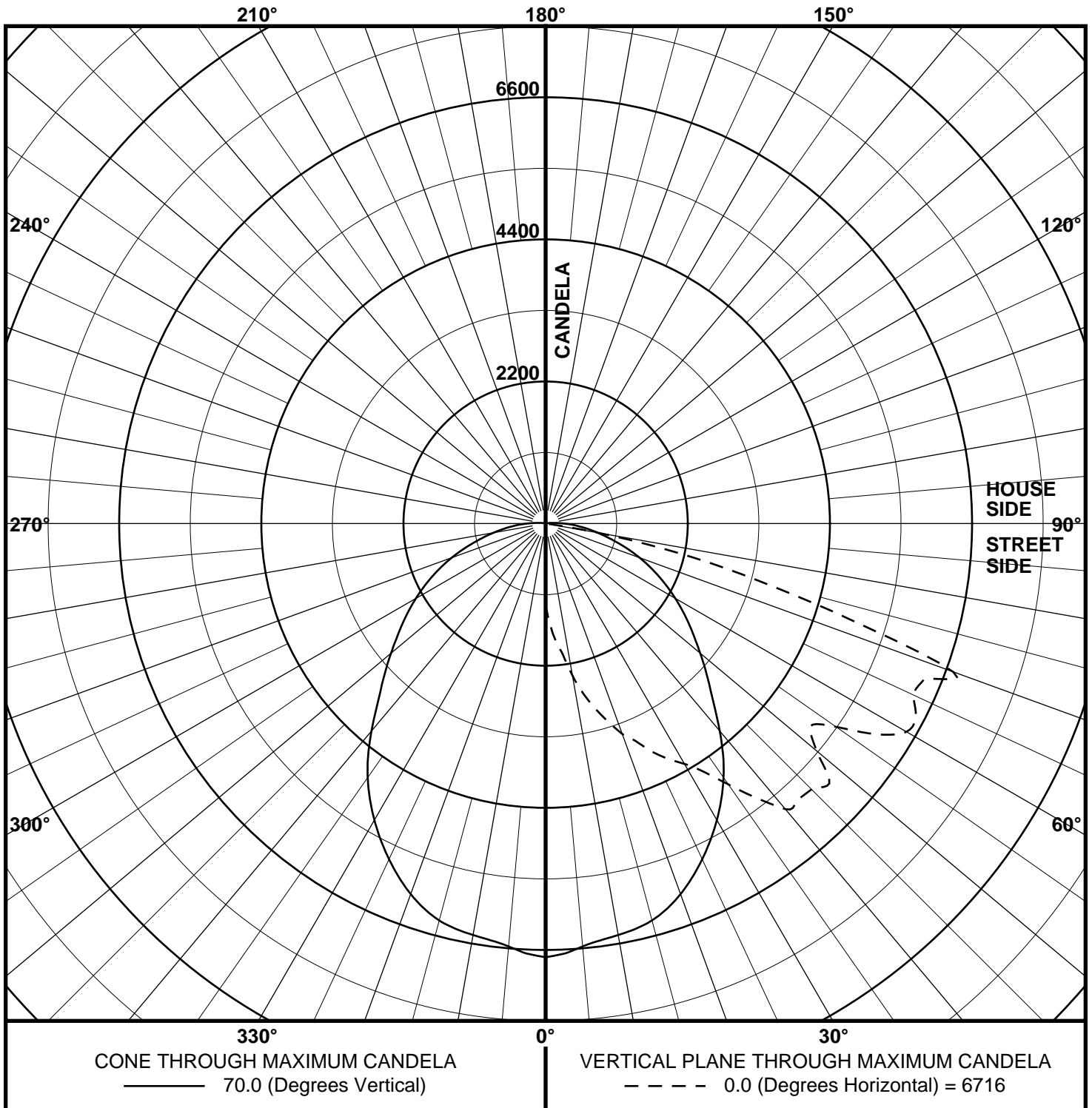
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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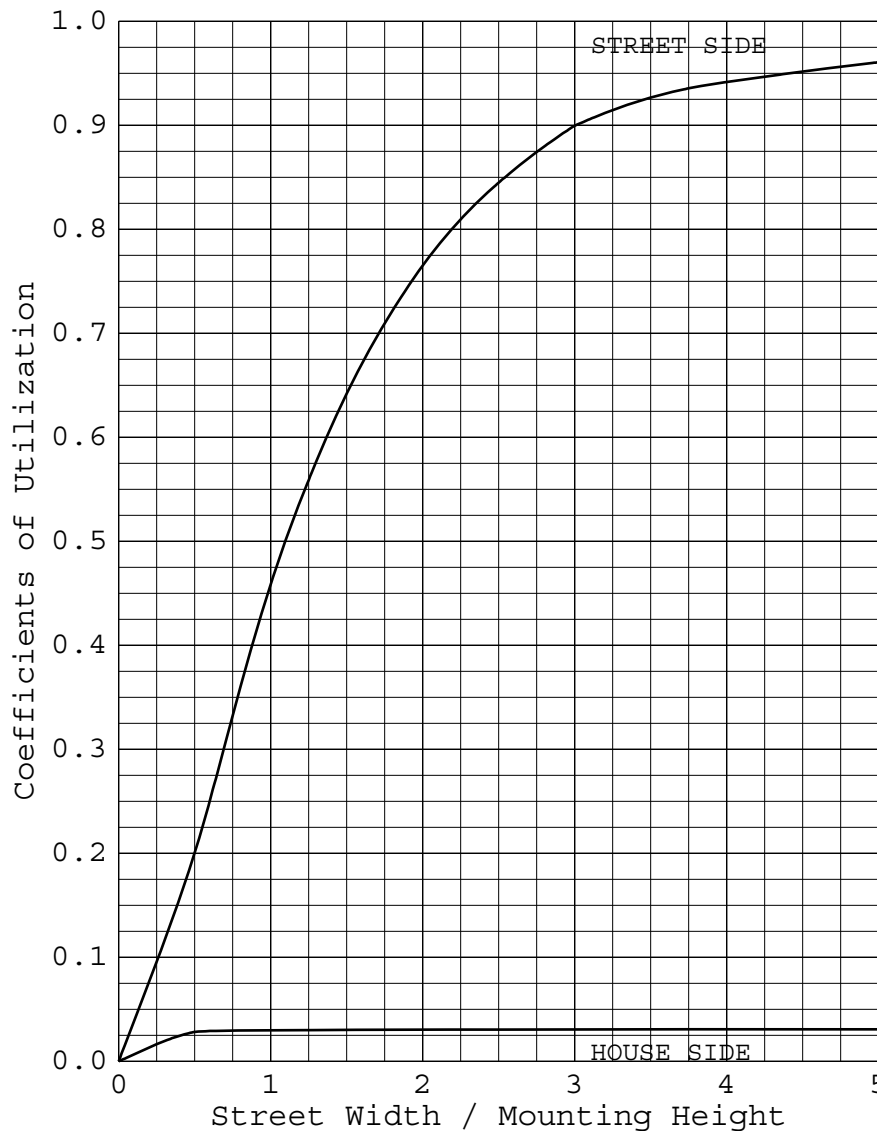
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	8210	96.8
DOWNWARD HOUSE SIDE	269	3.2
DOWNWARD TOTAL	8479	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	8479	100.0

EFFICACY = 129.8 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°)	8210			
FM	(30° – 60°)	999.0			
FH	(60° – 80°)	3985.1			
FVH	(80° – 90°)	3143.7			G2
		81.8			G1
Backward					
BL	(0° – 30°)	269			
BM	(30° – 60°)	144.8	B1		
BH	(60° – 80°)	96.6	B0		
BVH	(80° – 90°)	24.2	B0		G0
		3.9			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		8479			
		100.0			

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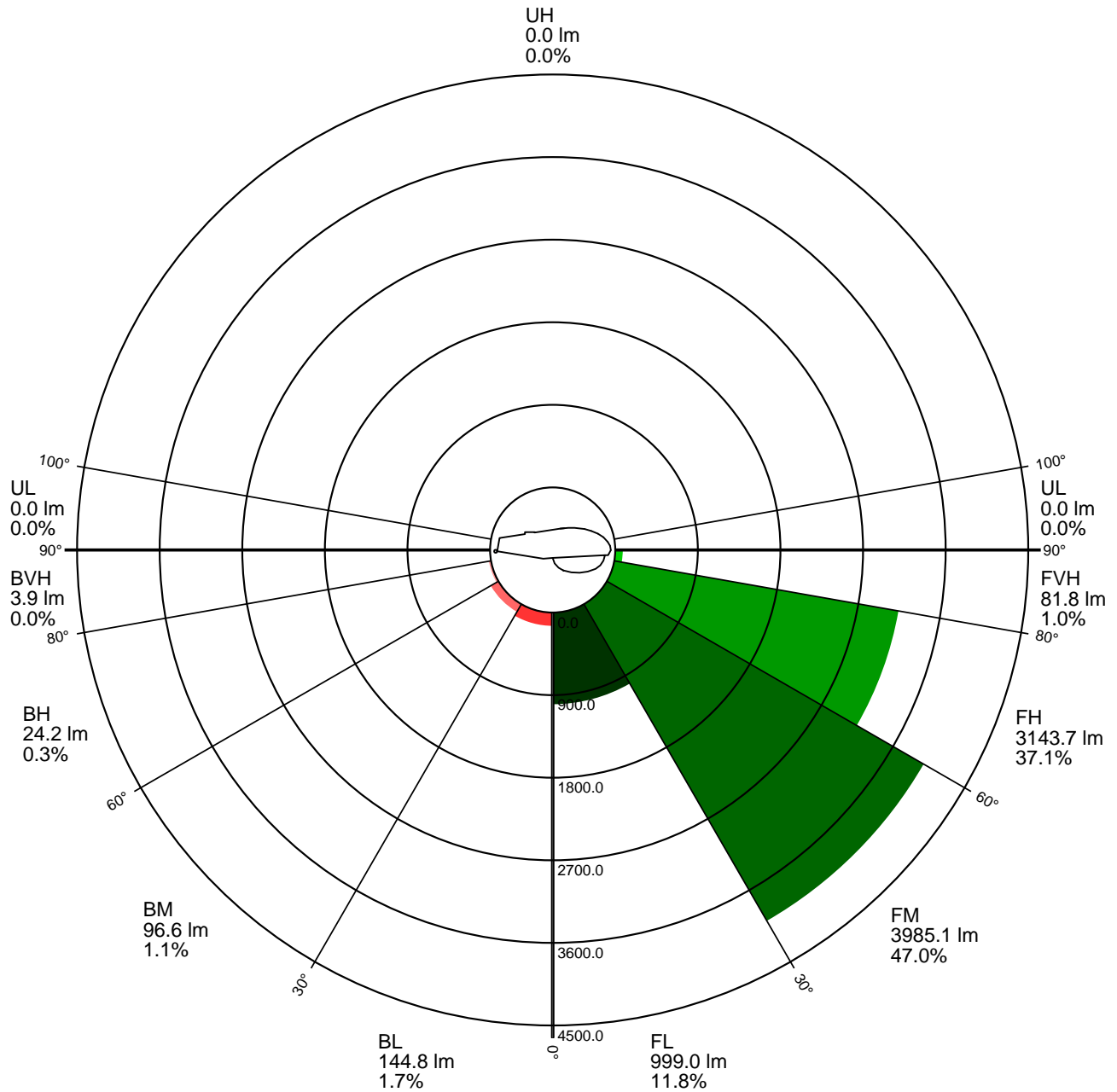
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Zonal Lumen Summary

(Linear scale)



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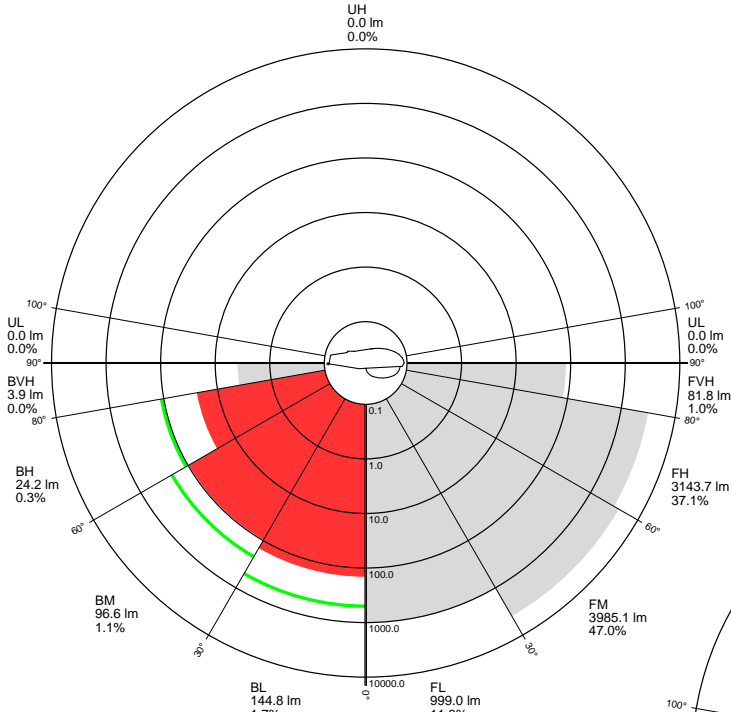
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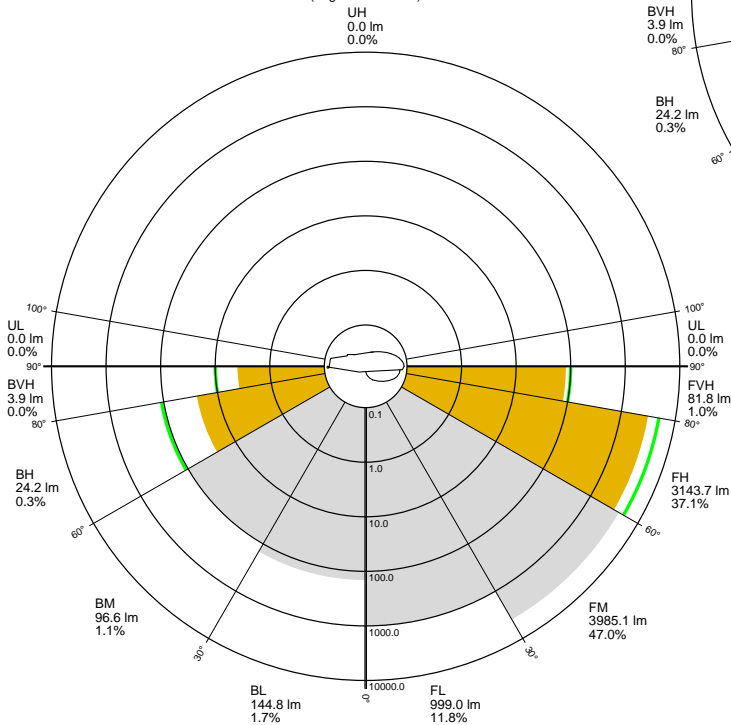
Backlight Rating Details

(Logarithmic scale)



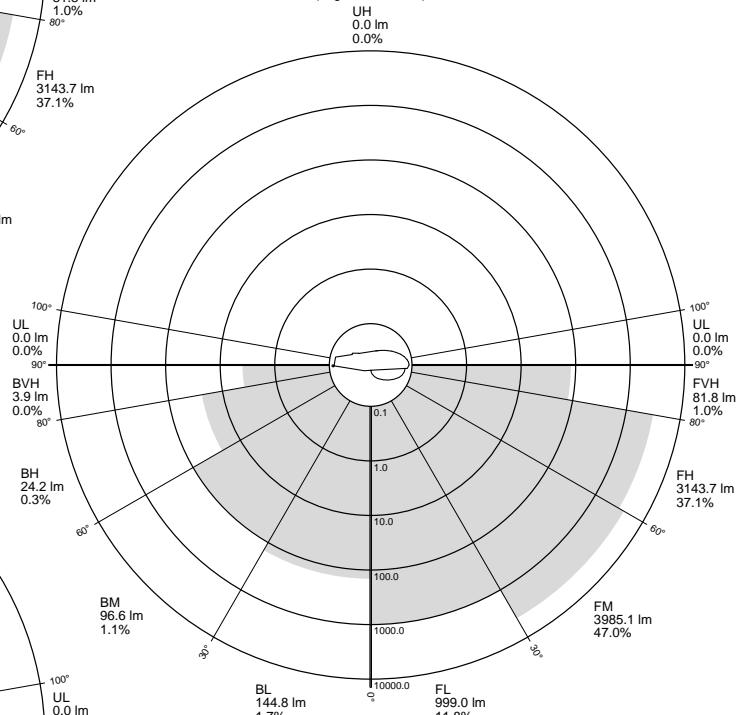
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET	SIDE	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	10.	11.	13.	12.	13.	8.	10.	10.	10.	10.	11.
	85.0	29.	29.	30.	56.	114.	75.	57.	36.	42.	18.	12.
V	82.5	80.	86.	94.	159.	315.	314.	337.	214.	145.	54.	23.
E	80.0	799.	818.	855.	956.	1260.	1006.	876.	724.	517.	228.	87.
R	77.5	2092.	2076.	2094.	2305.	2445.	2147.	1699.	1243.	767.	375.	157.
T	75.0	3389.	3350.	3381.	3577.	3805.	3506.	2835.	1748.	1072.	519.	229.
I	72.5	4954.	4910.	4880.	5216.	5435.	4499.	3336.	2233.	1369.	762.	361.
C	70.0<<	6716.	6663.	6570.	6361.	5735.	4802.	3600.	2703.	1935.	1158.	535.
A	67.5	6330.	6235.	6113.	6048.	5583.	5074.	3937.	3008.	2369.	1537.	776.
L	65.0	6283.	6162.	6003.	6120.	5655.	5196.	4104.	3280.	2549.	1826.	939.
	62.5	6460.	6314.	6067.	6113.	5699.	5333.	4446.	3237.	2608.	1980.	940.
A	60.0	6450.	6273.	5966.	5871.	5559.	5319.	4659.	3482.	2579.	1962.	870.
N	57.5	6073.	5925.	5575.	5396.	5180.	4703.	4575.	3824.	2589.	1834.	859.
G	55.0	5489.	5348.	5100.	4974.	4677.	4495.	4614.	3864.	2613.	1744.	869.
L	52.5	5163.	5081.	4898.	4685.	4654.	4482.	4349.	3580.	2518.	1662.	887.
E	50.0	5477.	5402.	5306.	5137.	4907.	4354.	4178.	3348.	2444.	1661.	927.
	47.5	5955.	5883.	5732.	5242.	4947.	4544.	3886.	3106.	2362.	1663.	922.
	45.0	5819.	5776.	5670.	5197.	5023.	4445.	3536.	2881.	2287.	1632.	955.
	42.5	5788.	5755.	5676.	5351.	4933.	4047.	3352.	2787.	2241.	1610.	1013.
	40.0	5772.	5731.	5658.	5322.	4526.	3803.	3261.	2787.	2229.	1562.	1030.
	37.5	5352.	5293.	5224.	4850.	4162.	3636.	3178.	2746.	2226.	1596.	1054.
	35.0	4933.	4870.	4782.	4385.	3927.	3467.	3122.	2689.	2158.	1615.	1131.
	32.5	4558.	4522.	4458.	4082.	3704.	3331.	3002.	2636.	2114.	1605.	1173.
	30.0	4296.	4269.	4220.	3832.	3558.	3208.	2872.	2519.	2097.	1606.	1222.
	25.0	3898.	3880.	3851.	3525.	3255.	2954.	2657.	2367.	2015.	1609.	1286.
	20.0	3467.	3447.	3435.	3259.	2992.	2753.	2498.	2206.	1872.	1573.	1274.
	15.0	2966.	2963.	2939.	2852.	2659.	2448.	2223.	1995.	1753.	1588.	1294.
	10.0	2390.	2388.	2379.	2314.	2193.	2057.	1910.	1799.	1671.	1510.	1288.
	5.0	1832.	1843.	1827.	1799.	1766.	1726.	1671.	1593.	1492.	1393.	1282.
	0.0	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.

||
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
V E R T I C A L A N G L E	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	11.	11.	10.	10.	9.	9.	8.	7.	6.	6.	5.
	85.0	11.	11.	10.	10.	9.	9.	8.	6.	5.	4.	4.
	82.5	17.	13.	11.	10.	9.	8.	7.	6.	4.	4.	4.
	80.0	36.	15.	12.	10.	9.	8.	7.	5.	4.	3.	3.
	77.5	58.	24.	13.	10.	9.	8.	7.	5.	4.	3.	3.
	75.0	117.	32.	13.	11.	9.	8.	6.	5.	3.	2.	2.
	72.5	181.	53.	14.	12.	9.	8.	6.	5.	3.	2.	2.
	70.0<<	286.	102.	16.	12.	9.	8.	6.	5.	3.	2.	2.
	67.5	431.	128.	21.	12.	11.	8.	6.	5.	4.	2.	2.
	65.0	519.	152.	28.	13.	11.	9.	6.	5.	4.	2.	3.
	62.5	541.	176.	31.	13.	11.	9.	7.	5.	4.	3.	3.
	60.0	542.	215.	30.	21.	11.	9.	9.	6.	4.	3.	3.
	57.5	628.	250.	42.	25.	11.	9.	8.	9.	6.	4.	4.
	55.0	670.	296.	58.	24.	12.	10.	9.	9.	9.	8.	8.
	52.5	657.	334.	84.	23.	15.	11.	11.	8.	8.	8.	9.
	50.0	639.	333.	108.	26.	18.	12.	12.	13.	9.	9.	9.
	47.5	627.	341.	118.	33.	24.	13.	9.	11.	9.	9.	9.
	45.0	646.	379.	151.	41.	28.	14.	13.	8.	8.	8.	8.
	42.5	704.	429.	185.	43.	30.	21.	13.	9.	8.	8.	8.
	40.0	743.	469.	184.	58.	29.	27.	16.	12.	9.	9.	9.
37.5	761.	517.	198.	90.	29.	27.	26.	18.	13.	10.	11.	
35.0	822.	562.	222.	136.	31.	27.	35.	30.	21.	17.	19.	
32.5	869.	591.	258.	164.	41.	31.	34.	36.	31.	29.	32.	
30.0	926.	654.	315.	180.	76.	35.	32.	31.	33.	34.	39.	
25.0	1017.	765.	458.	255.	194.	85.	39.	31.	30.	32.	34.	
20.0	1046.	830.	572.	347.	246.	187.	137.	82.	57.	51.	52.	
15.0	1115.	939.	740.	496.	350.	264.	232.	201.	188.	173.	178.	
10.0	1177.	1060.	857.	755.	596.	479.	422.	372.	353.	339.	349.	
5.0	1222.	1166.	1064.	973.	903.	844.	824.	796.	775.	744.	780.	
0.0	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	30
5- 10	89
10- 15	151
15- 20	218
20- 25	290
25- 30	366
30- 35	449
35- 40	550
40- 45	653
45- 50	737
50- 55	791
55- 60	902
60- 65	987
65- 70	977
70- 75	803
75- 80	400
80- 85	79
85- 90	7
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	119
0- 20	488
0- 30	1144
0- 40	2143
0- 50	3532
0- 60	5225
0- 70	7190
0- 80	8393
0- 90	8479
0-100	8479
0-110	8479
0-120	8479
0-130	8479
0-140	8479
0-150	8479
0-160	8479
0-170	8479
0-180	8479