

REPORT NUMBER: PRORATED FROM RAB04308

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ISSUE DATE: 05/08/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T105N - RWLED3T105N - RWLED3T105SFN - WPLED3T105N (TYPE III)

LUMINAIRE: CAST FINNED METAL HOUSING, 6 CIRCUIT BOARDS EACH WITH 1 LED, MOLDED 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 63-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 75-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 67-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 68-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 58-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 40-DEGREES FROM STRAIGHT AHEAD.

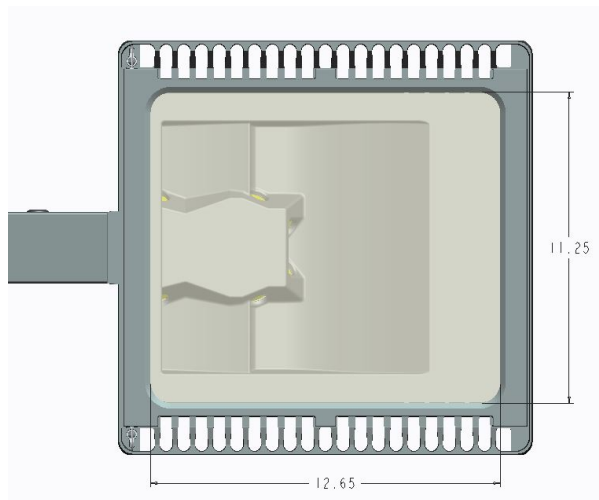
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04308 WHICH WAS ALED3T105Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 110.0 W AT 120.0 VAC.

LED DRIVER: LED DRIVER: 2 x RD-060-A1400

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

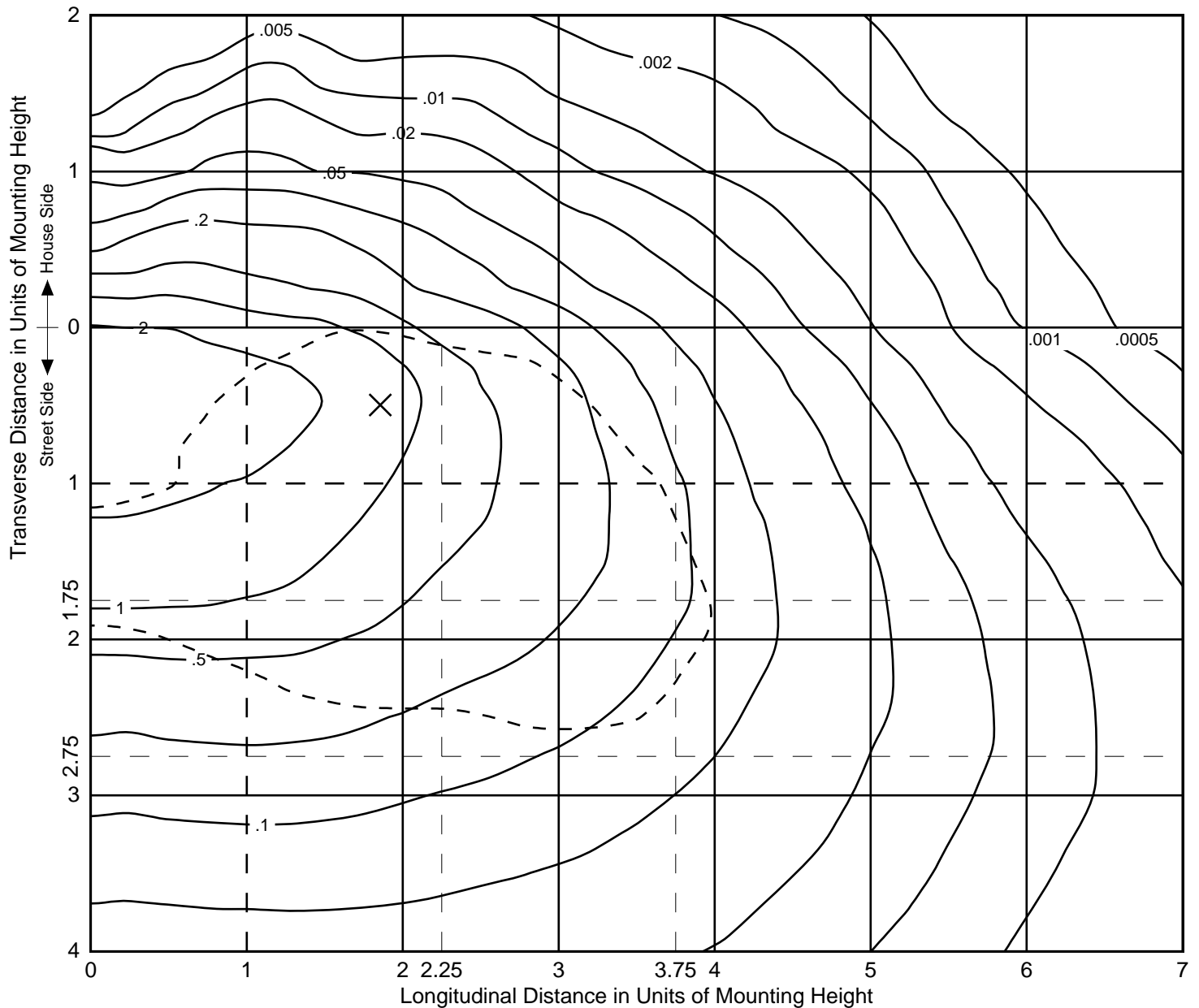
Values based on 25-foot mounting height

IES Classification: Short, Type III

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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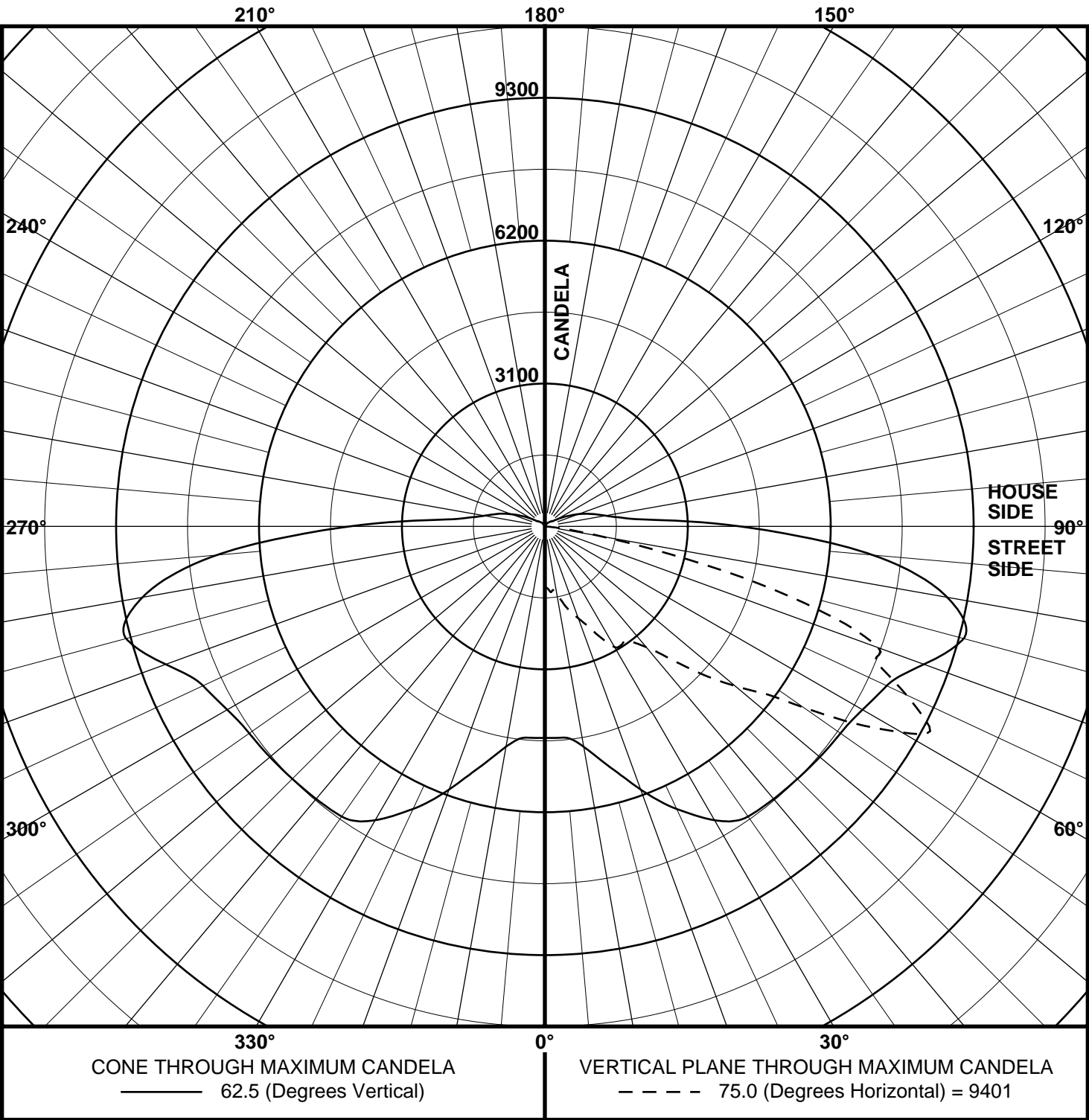
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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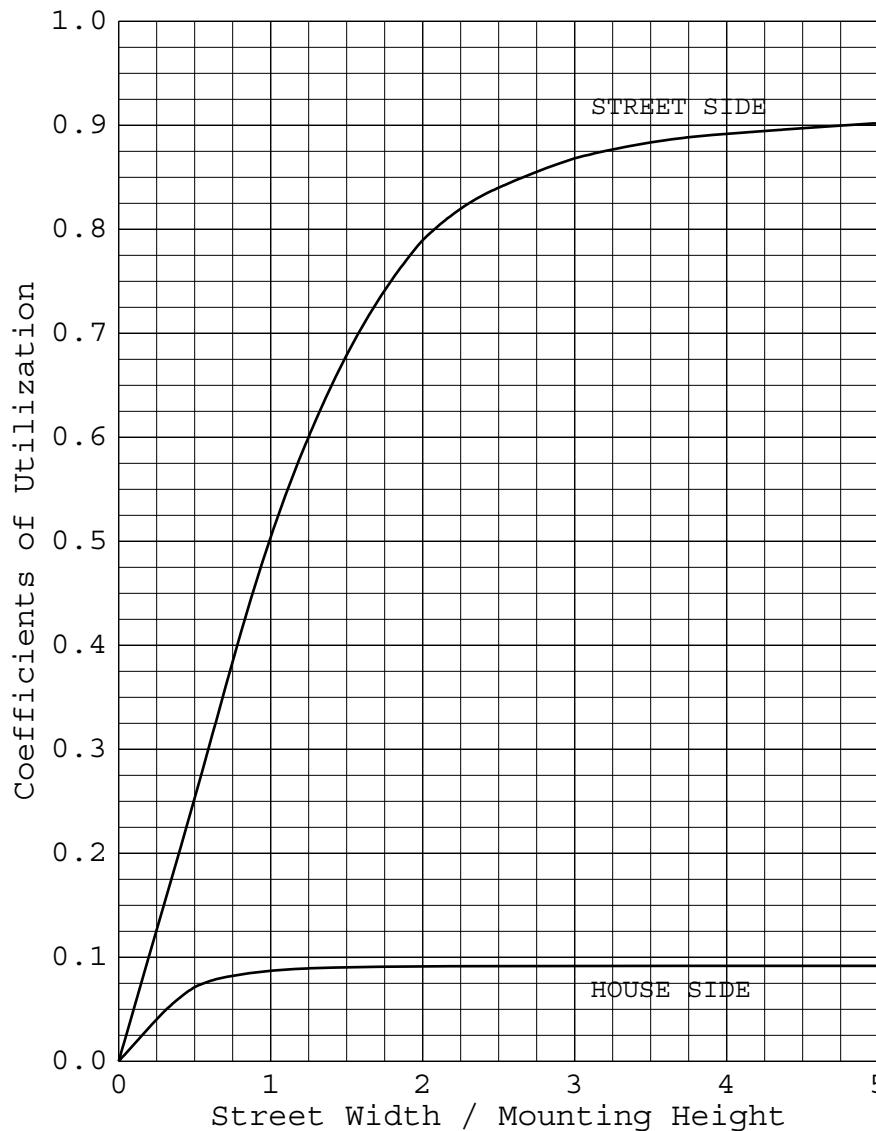
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	12248	90.8
DOWNWARD HOUSE SIDE	1246	9.2
DOWNWARD TOTAL	13495	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	13495	100.0

EFFICACY = 122.7 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	G3
Zonal Summary			Lumens	% of Fixture		
				Zone Ratings		
				B	U	G
Forward			12248	90.8		
FL	(0° – 30°)		1195.2	8.9		
FM	(30° – 60°)		5703.7	42.3		
FH	(60° – 80°)		5169.0	38.3		
FVH	(80° – 90°)		180.6	1.3		
Backward			1246	9.2		
BL	(0° – 30°)		289.4	2.1		
BM	(30° – 60°)		647.1	4.8		
BH	(60° – 80°)		304.5	2.3		
BVH	(80° – 90°)		5.4	0.0		
Upward			0	0.0		
UL	(90° – 100°)		0.0	0.0		
UH	(100° – 180°)		0.0	0.0		
Trapped Light			0	0.0		
Total Flux			13495	100.0		

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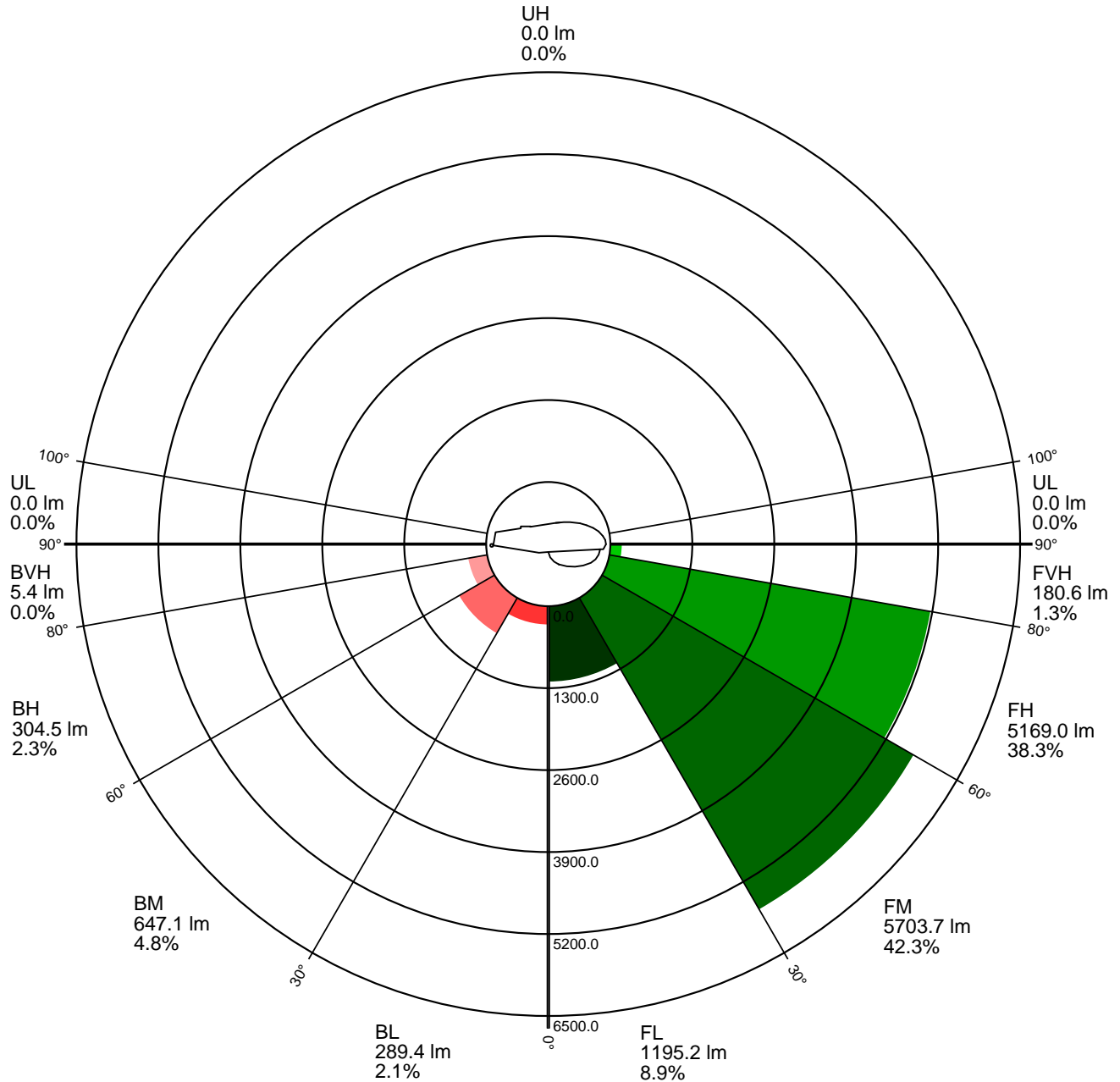
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Zonal Lumen Summary

(Linear scale)



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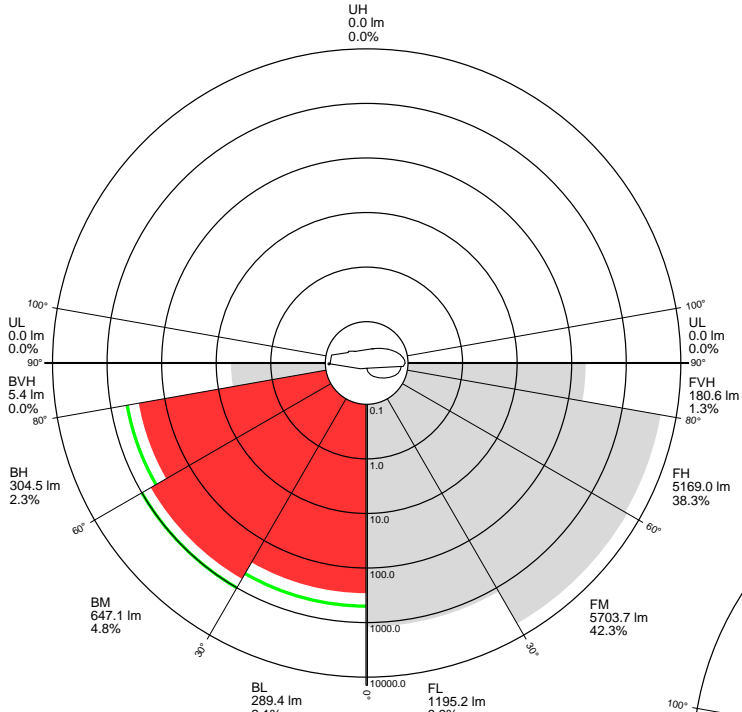
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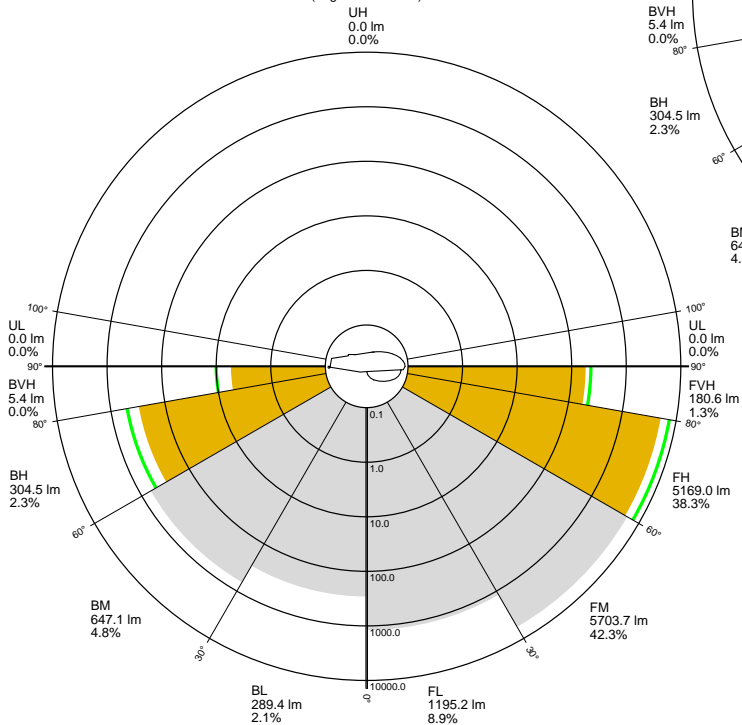
Backlight Rating Details

(Logarithmic scale)



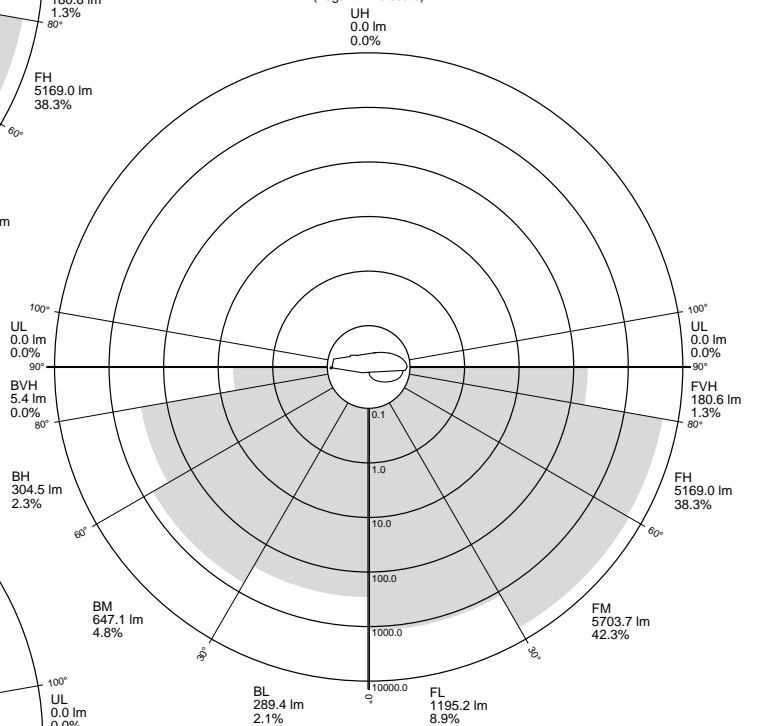
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET	SIDE LATERAL ANGLE										
		0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	77.5	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	5.	6.	10.	7.	19.	21.	19.	13.	11.	10.	10.
	85.0	41.	38.	92.	118.	176.	162.	165.	220.	118.	89.	21.
V	82.5	129.	155.	354.	464.	678.	778.	765.	827.	470.	318.	98.
E	80.0	330.	385.	697.	1071.	1571.	2282.	2574.	2361.	1237.	913.	380.
R	77.5	972.	989.	1389.	2028.	2678.	3627.	4460.	4511.	2784.	2166.	1199.
T	75.0	1714.	1694.	2114.	2694.	3365.	4419.	5806.	6460.	4818.	4010.	2531.
I	72.5	2166.	2152.	2616.	3349.	4209.	5146.	6894.	7958.	6545.	5841.	4053.
C	70.0	2551.	2488.	3077.	3971.	5194.	6973.	7516.	8539.	7700.	7204.	5120.
A	67.5	2950.	2878.	3557.	4711.	6552.	7948.	8000.	8144.	7824.	7583.	5489.
L	65.0	3487.	3523.	4469.	5601.	7505.	7868.	8091.	8529.	8644.	8460.	6098.
	62.5<<	4587.	4600.	5392.	6763.	7685.	7747.	7827.	8182.	9401.	9298.	7138.
A	60.0	5764.	5800.	6437.	7065.	7600.	7617.	7317.	7912.	8939.	8819.	6939.
N	57.5	6032.	6076.	6186.	6452.	6916.	6809.	6876.	8122.	7946.	7756.	6219.
G	55.0	5437.	5472.	5669.	5988.	5979.	6236.	6645.	7460.	6847.	6678.	5238.
L	52.5	5108.	5132.	5234.	5274.	5279.	5964.	6494.	7020.	5932.	5746.	4350.
E	50.0	4827.	4870.	4819.	4685.	5007.	5726.	6058.	6399.	5386.	5149.	3844.
	47.5	4527.	4509.	4471.	4466.	4896.	5403.	5362.	5511.	4842.	4565.	3425.
	45.0	4250.	4256.	4319.	4528.	4585.	4952.	5070.	4856.	4288.	3979.	3007.
	42.5	4286.	4301.	4403.	4529.	4426.	4651.	4679.	4314.	3777.	3528.	2704.
	40.0	4145.	4156.	4265.	4689.	4106.	4544.	4307.	3977.	3418.	3224.	2443.
	37.5	4045.	4046.	4179.	4384.	4220.	4354.	4018.	3889.	3177.	2998.	2276.
	35.0	4121.	4134.	4026.	4201.	4171.	4059.	3925.	3829.	3033.	2847.	2206.
	32.5	4273.	4239.	3994.	4024.	4069.	3799.	3759.	3754.	3064.	2849.	2154.
	30.0	4218.	4192.	3903.	3905.	3750.	3579.	3616.	3562.	3023.	2851.	2122.
	25.0	4004.	3989.	3598.	3427.	3363.	3403.	3329.	2978.	2524.	2358.	1866.
	20.0	3738.	3765.	3548.	3272.	3211.	3147.	2868.	2588.	2123.	1995.	1622.
	15.0	3349.	3386.	3321.	3089.	2836.	2623.	2440.	2204.	1825.	1739.	1493.
	10.0	2768.	2778.	2771.	2636.	2444.	2193.	1943.	1741.	1502.	1452.	1324.
	5.0	2026.	2036.	1979.	1927.	1848.	1779.	1655.	1546.	1432.	1404.	1343.
	0.0	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.

||
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	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.	10.	10.	10.	10.	9.	7.	5.	5.	5.	5.
	85.0	14.	12.	11.	10.	9.	8.	7.	5.	5.	5.	5.
	82.5	29.	21.	13.	11.	9.	8.	7.	5.	5.	5.	5.
	80.0	165.	110.	49.	33.	10.	7.	6.	5.	5.	5.	5.
	77.5	668.	413.	143.	69.	12.	7.	6.	5.	5.	6.	6.
	75.0	1564.	717.	256.	94.	31.	11.	6.	5.	7.	7.	7.
	72.5	2470.	1146.	360.	158.	92.	31.	8.	6.	8.	9.	9.
	70.0	3233.	1518.	593.	274.	108.	37.	18.	6.	8.	9.	8.
	67.5	3289.	1689.	859.	382.	123.	52.	37.	9.	9.	10.	9.
	65.0	3521.	1556.	963.	437.	155.	79.	66.	19.	11.	12.	11.
	62.5<<	4230.	1889.	1052.	521.	195.	136.	90.	29.	14.	11.	11.
	60.0	4461.	2147.	1248.	569.	236.	190.	95.	39.	21.	15.	13.
	57.5	4284.	2229.	1270.	723.	283.	212.	103.	44.	23.	14.	12.
	55.0	3805.	2139.	1183.	757.	316.	218.	115.	53.	25.	12.	11.
	52.5	3207.	2021.	1114.	695.	355.	234.	129.	62.	32.	13.	11.
	50.0	2854.	2044.	1043.	688.	406.	258.	142.	66.	40.	34.	22.
	47.5	2575.	1965.	1037.	715.	473.	279.	157.	74.	45.	68.	84.
	45.0	2316.	1827.	1063.	714.	494.	301.	183.	84.	61.	58.	79.
	42.5	2114.	1703.	1057.	698.	527.	325.	205.	105.	61.	44.	40.
	40.0	1965.	1613.	1057.	682.	556.	350.	215.	140.	89.	69.	45.
	37.5	1899.	1601.	1088.	679.	577.	369.	236.	139.	107.	88.	76.
	35.0	1900.	1641.	1143.	700.	560.	381.	271.	170.	113.	92.	83.
	32.5	1892.	1660.	1179.	735.	543.	420.	302.	195.	134.	107.	91.
	30.0	1816.	1598.	1184.	784.	548.	458.	315.	215.	156.	132.	115.
	25.0	1638.	1452.	1154.	886.	566.	422.	320.	234.	180.	172.	173.
	20.0	1455.	1312.	1052.	877.	679.	477.	352.	282.	233.	223.	215.
	15.0	1390.	1310.	1076.	934.	772.	651.	540.	485.	460.	467.	453.
	10.0	1263.	1203.	1082.	943.	876.	814.	775.	724.	669.	626.	614.
5.0	1310.	1284.	1207.	1143.	1081.	1026.	965.	921.	878.	870.	857.	
0.0	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	32
5- 10	103
10- 15	188
15- 20	282
20- 25	381
25- 30	499
30- 35	622
35- 40	733
40- 45	876
45- 50	1076
50- 55	1347
55- 60	1697
60- 65	1833
65- 70	1642
70- 75	1287
75- 80	712
80- 85	174
85- 90	12
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	135
0- 20	605
0- 30	1485
0- 40	2840
0- 50	4791
0- 60	7835
0- 70	11310
0- 80	13309
0- 90	13495
0-100	13495
0-110	13495
0-120	13495
0-130	13495
0-140	13495
0-150	13495
0-160	13495
0-170	13495
0-180	13495