

REPORT NUMBER: PRORATED FROM RAB04363

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ISSUE DATE: 05/09/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T125N/480 - RWLED2T125N/480 - RWLED2T125SFN/480 -
WPLED2T125N/480 (TYPE II)

LUMINAIRE: CAST FINNED METAL HOUSING, 6 CHIP ON BOARD LIGHT EMITTING DIODES,
MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, CLEAR GLASS LENS IN CAST
BRONZE PAINTED METAL 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.

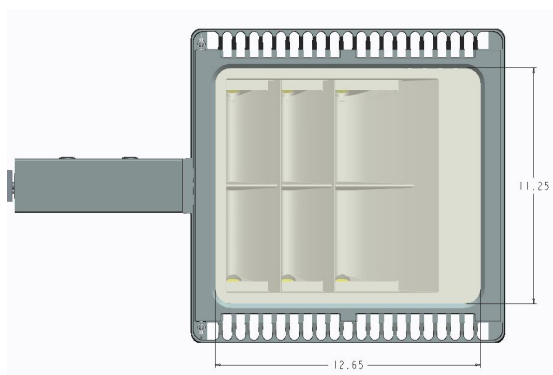
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04363 WHICH WAS
ALED2T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 135.2 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: 2 x RRD-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

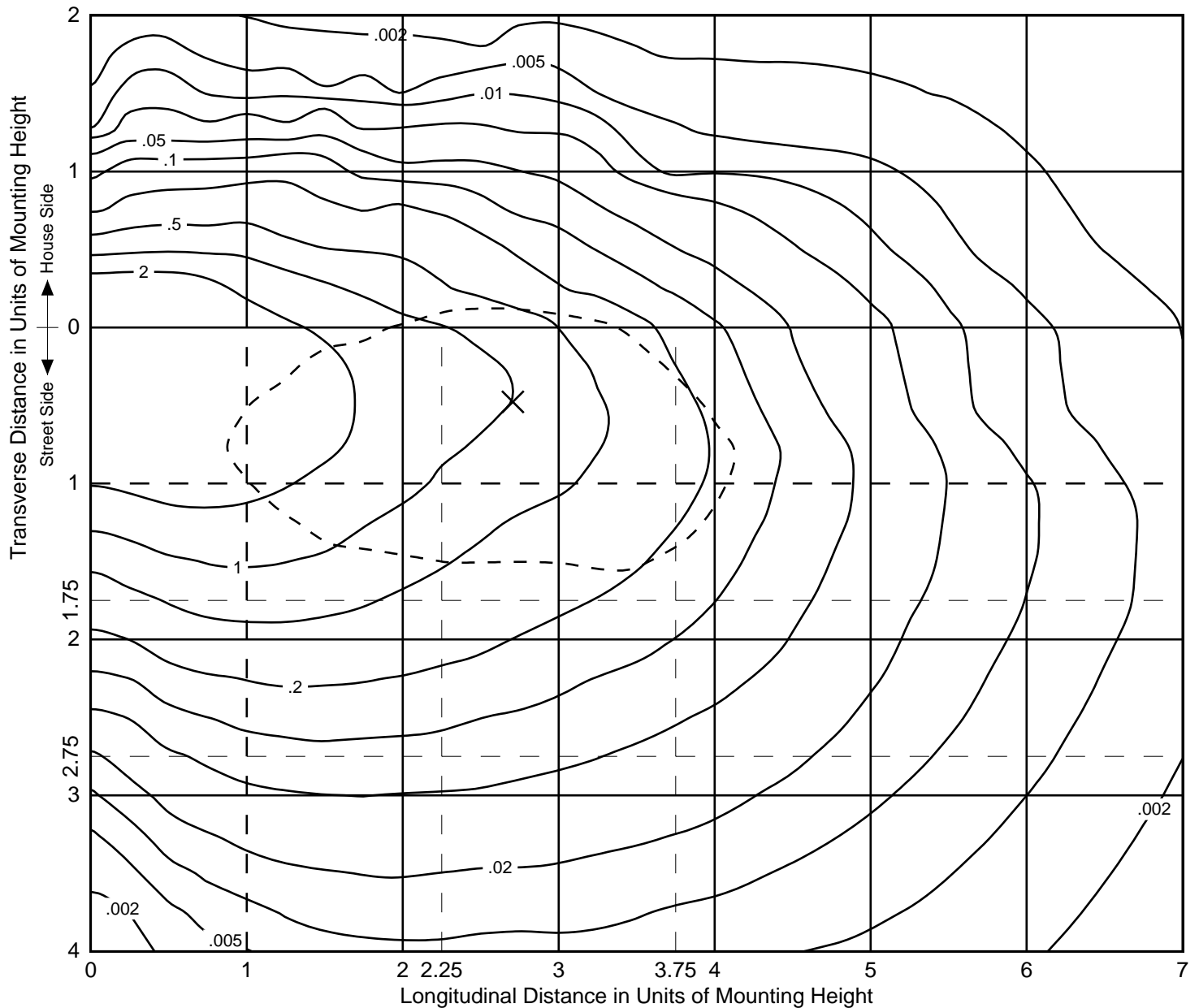
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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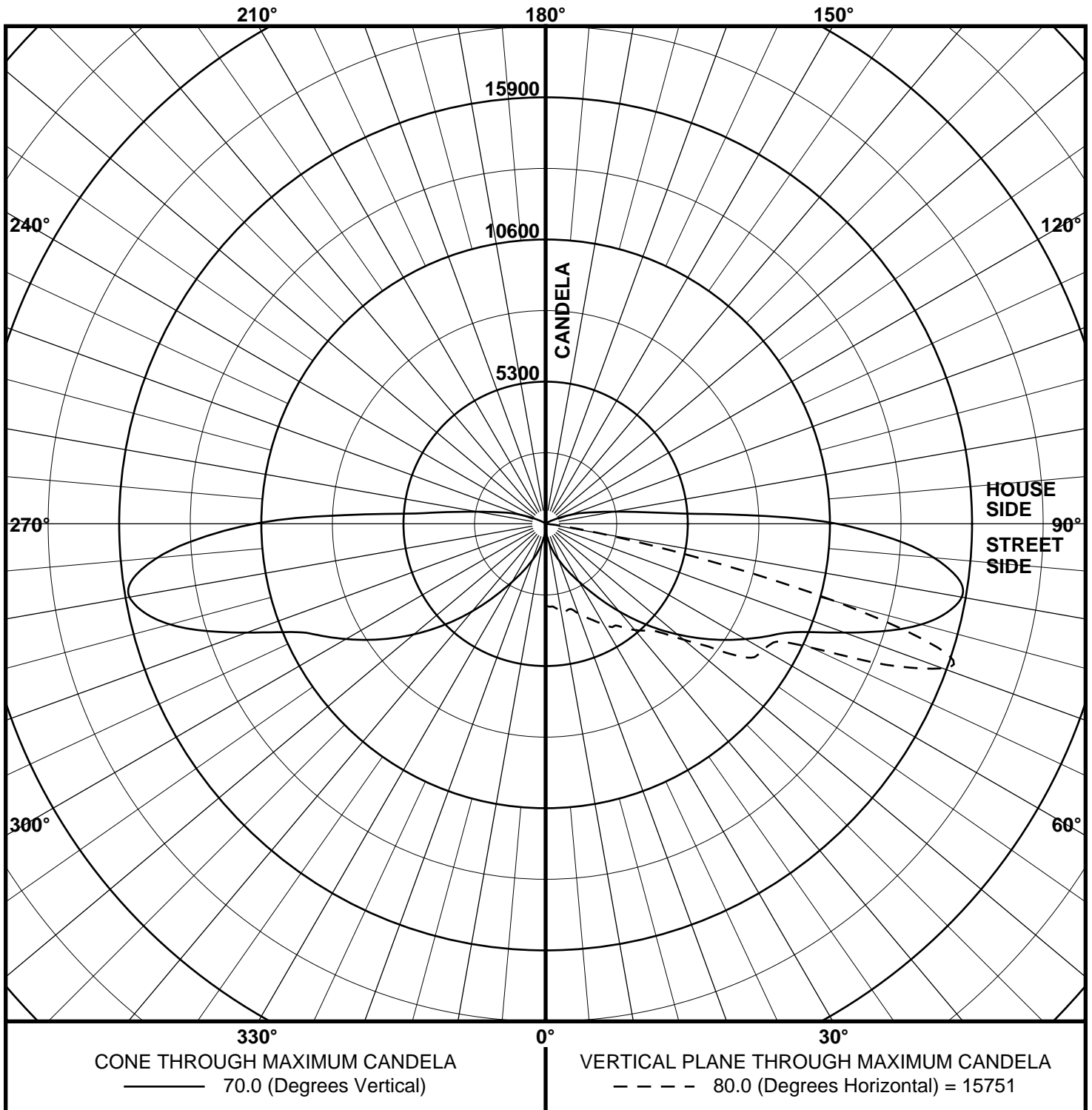
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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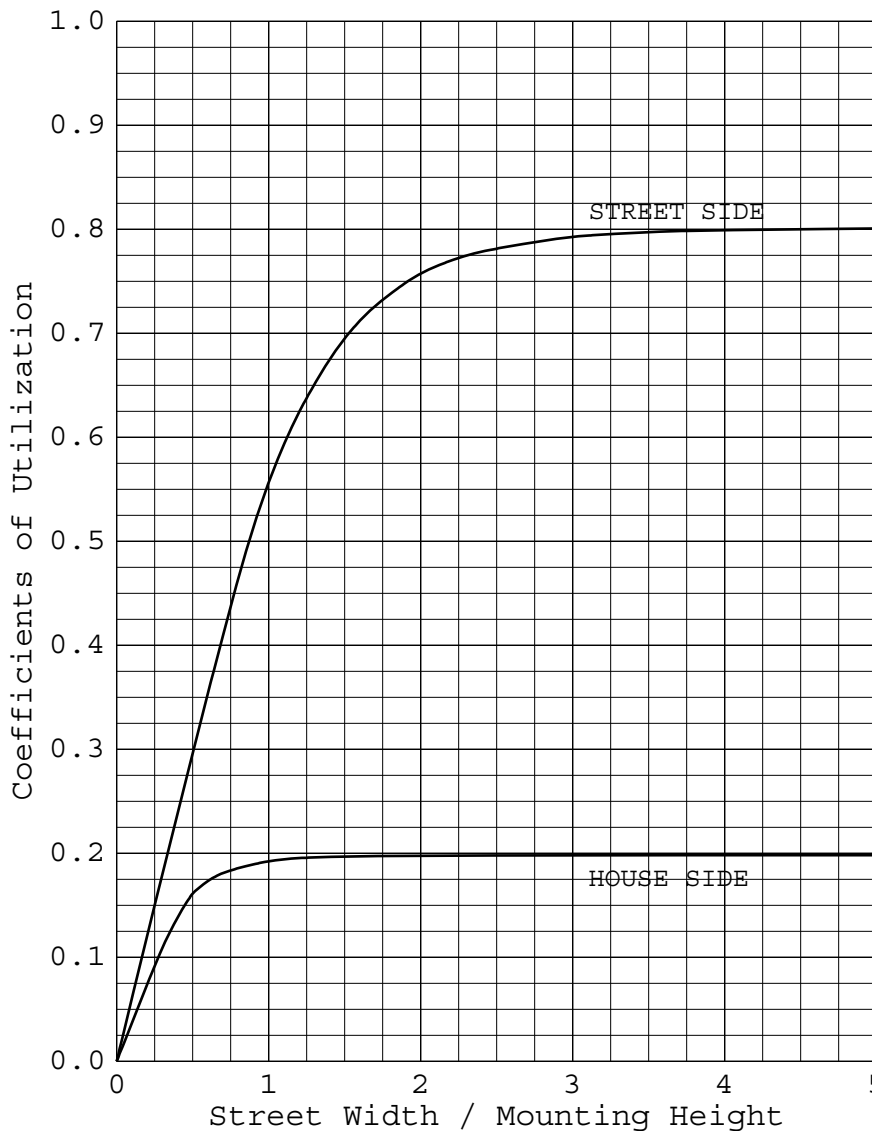
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	13622	80.1
DOWNWARD HOUSE SIDE	3378	19.9
DOWNWARD TOTAL	17000	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	17000	100.0

EFFICACY = 125.7 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			B2 U0 G3		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	13622			
FM	(30° – 60°)	1510.5			
FH	(60° – 80°)	6626.6			
FVH	(80° – 90°)	5388.5			G3
		96.6			G1
Backward					
BL	(0° – 30°)	3378			
BM	(30° – 60°)	942.7	B2		
BH	(60° – 80°)	1606.6	B2		
BVH	(80° – 90°)	813.5	B2		G2
		14.8			G1
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		17000			
		100.0			

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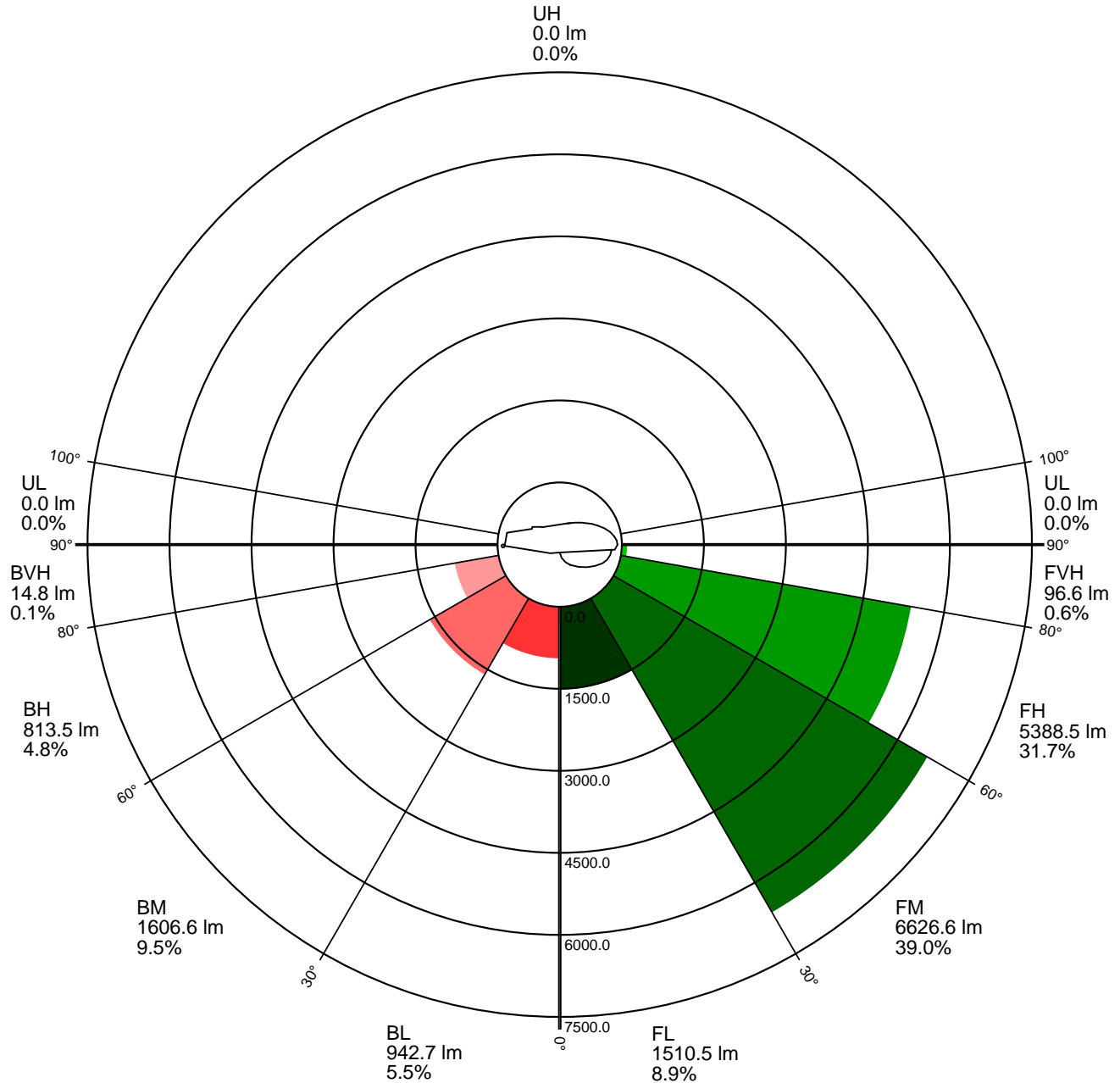
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Zonal Lumen Summary

(Linear scale)



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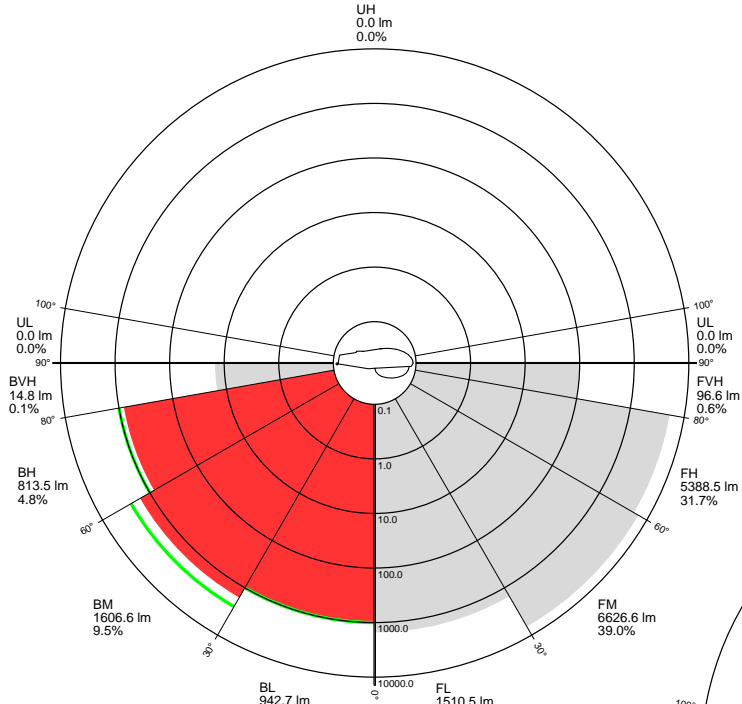
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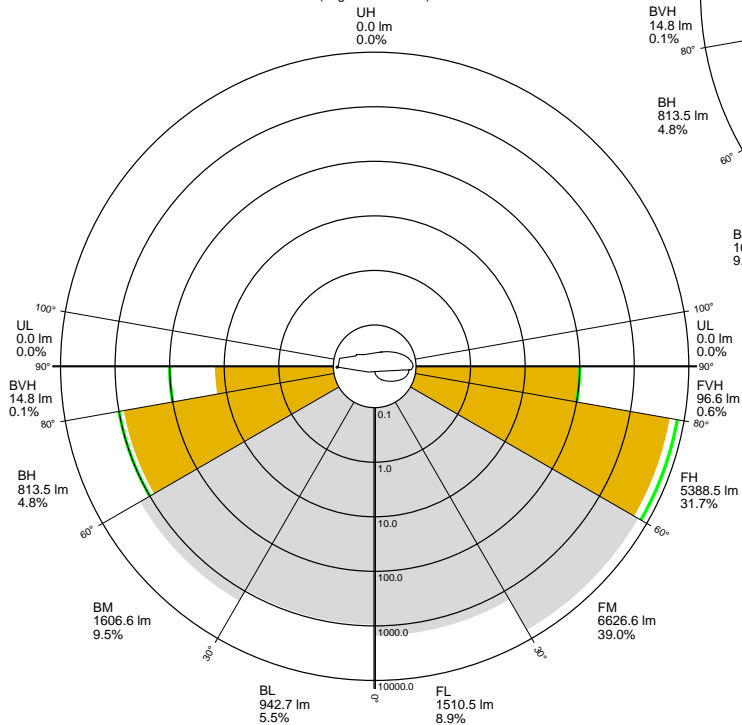
Backlight Rating Details

(Logarithmic scale)



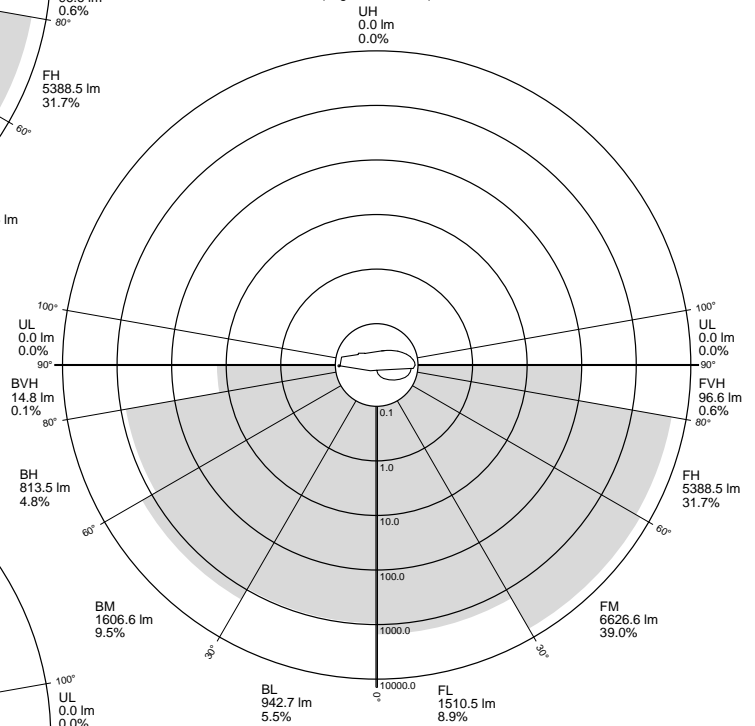
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	LATERAL ANGLE										
	STREET SIDE	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	80.0
											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.
	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	1.	1.	3.	5.	8.	11.	14.	32.	17.	22.
	85.0	4.	3.	7.	8.	13.	25.	87.	50.	62.	73.
V	82.5	10.	7.	13.	20.	73.	216.	374.	462.	591.	506.
E	80.0	21.	14.	33.	170.	331.	633.	1312.	1887.	2165.	2009.
R	77.5	34.	32.	145.	449.	770.	1621.	2978.	5050.	5925.	5769.
T	75.0	51.	85.	374.	855.	1523.	2739.	4580.	7836.	11407.	11209.
I	72.5	121.	221.	697.	1378.	2328.	3962.	6340.	8623.	14486.	15319.
C	70.0<<	265.	428.	1041.	1922.	3289.	5321.	7513.	9679.	14499.	15751.
A	67.5	584.	654.	1432.	2637.	4330.	6552.	8156.	10746.	12317.	13729.
L	65.0	950.	978.	2003.	3420.	5321.	7329.	8718.	11053.	11149.	10919.
	62.5	1274.	1375.	2572.	4117.	5849.	7654.	9102.	11024.	10498.	9574.
A	60.0	1585.	1796.	2981.	4444.	6144.	7679.	9259.	10917.	10347.	9378.
N	57.5	1921.	2149.	3227.	4687.	6155.	7617.	9332.	10095.	9851.	9243.
G	55.0	2303.	2464.	3291.	4704.	6100.	7776.	9228.	9647.	9019.	8501.
L	52.5	2704.	2814.	3486.	4872.	6405.	7917.	8848.	8996.	7907.	7433.
E	50.0	3073.	3134.	3746.	5184.	6604.	7833.	8607.	8359.	7102.	6726.
	47.5	3408.	3475.	4091.	5349.	6562.	7334.	8035.	7500.	6568.	6093.
	45.0	3633.	3741.	4320.	5392.	6348.	6782.	6923.	6805.	6199.	5646.
	42.5	3798.	3919.	4409.	5199.	5872.	6343.	6210.	6082.	5745.	5400.
	40.0	3864.	3932.	4353.	4824.	5471.	5954.	5841.	5564.	5363.	5174.
	37.5	3803.	3828.	4251.	4512.	5045.	5525.	5454.	5287.	5171.	4913.
	35.0	3632.	3644.	3972.	4153.	4596.	4914.	5118.	5232.	4902.	4634.
	32.5	3517.	3538.	3822.	3876.	4189.	4492.	4814.	5020.	4778.	4563.
	30.0	3447.	3499.	3731.	3784.	4061.	4251.	4528.	4638.	4450.	4351.
	25.0	3328.	3339.	3466.	3642.	3599.	3757.	3983.	4024.	3970.	3918.
	20.0	3174.	3183.	3278.	3536.	3578.	3612.	3554.	3600.	3574.	3555.
	15.0	3272.	3253.	3288.	3408.	3534.	3545.	3511.	3471.	3397.	3306.
	10.0	3176.	3183.	3208.	3228.	3273.	3338.	3406.	3408.	3376.	3346.
	5.0	3112.	3117.	3131.	3125.	3126.	3119.	3115.	3106.	3127.	3098.
	0.0	3048.	3048.	3048.	3048.	3048.	3048.	3048.	3048.	3048.	3048.

||
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	11.	9.	10.	8.	7.	7.	6.	4.	4.	3. 3.
	85.0	33.	18.	13.	10.	9.	9.	9.	6.	4.	4. 4.
V	82.5	241.	80.	77.	23.	14.	10.	9.	11.	11.	9. 8.
E	80.0	999.	563.	238.	84.	37.	12.	12.	14.	13.	10. 9.
R	77.5	2905.	1502.	241.	75.	36.	13.	12.	13.	13.	11. 11.
T	75.0	5879.	2544.	335.	106.	37.	20.	11.	13.	12.	11. 10.
I	72.5	9168.	3540.	1303.	295.	43.	22.	11.	13.	12.	10. 10.
C	70.0	<10872.	4525.	1634.	448.	48.	24.	13.	14.	14.	11. 10.
A	67.5	10470.	5486.	2550.	522.	77.	32.	16.	15.	15.	12. 11.
L	65.0	8969.	5339.	3347.	655.	187.	39.	23.	18.	18.	15. 12.
	62.5	7715.	5276.	2864.	852.	507.	100.	32.	26.	24.	19. 15.
A	60.0	7210.	5530.	2814.	1067.	819.	132.	46.	42.	50.	30. 18.
N	57.5	6772.	5439.	2577.	1128.	962.	301.	58.	49.	64.	32. 19.
G	55.0	6426.	5366.	2424.	1187.	926.	438.	113.	59.	75.	31. 20.
L	52.5	5838.	5299.	2670.	1473.	943.	528.	256.	92.	104.	32. 24.
E	50.0	5296.	4954.	2812.	1791.	994.	520.	368.	182.	88.	41. 31.
	47.5	5132.	4796.	2884.	1918.	1004.	526.	426.	280.	173.	101. 75.
	45.0	5013.	4634.	2997.	1950.	1055.	607.	412.	348.	295.	170. 145.
	42.5	4865.	4414.	3181.	2023.	1151.	679.	420.	343.	313.	214. 185.
	40.0	4667.	4275.	3439.	2143.	1279.	763.	501.	336.	285.	226. 198.
	37.5	4436.	4145.	3620.	2242.	1458.	881.	603.	436.	260.	229. 212.
	35.0	4206.	4132.	3578.	2382.	1595.	1047.	686.	542.	354.	273. 252.
	32.5	4180.	4148.	3620.	2543.	1743.	1199.	815.	619.	442.	360. 345.
	30.0	4059.	4028.	3515.	2701.	1924.	1335.	941.	695.	505.	460. 452.
	25.0	3763.	3715.	3343.	2959.	2207.	1675.	1240.	937.	749.	700. 676.
	20.0	3441.	3412.	3181.	2847.	2535.	2080.	1728.	1387.	1191.	1126. 1089.
	15.0	3236.	3232.	3152.	2976.	2810.	2634.	2345.	2006.	1875.	1844. 1803.
	10.0	3280.	3273.	3206.	3116.	2976.	2822.	2674.	2541.	2478.	2446. 2397.
	5.0	3061.	3056.	3035.	3024.	2998.	2943.	2908.	2877.	2871.	2863. 2824.
	0.0	3048.	3048.	3048.	3048.	3048.	3048.	3048.	3048.	3048.	3048. 3048.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	73
5- 10	218
10- 15	360
15- 20	476
20- 25	593
25- 30	733
30- 35	890
35- 40	1067
40- 45	1271
45- 50	1491
50- 55	1674
55- 60	1841
60- 65	1927
65- 70	1945
70- 75	1612
75- 80	718
80- 85	106
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	291
0- 20	1127
0- 30	2453
0- 40	4410
0- 50	7172
0- 60	10686
0- 70	14559
0- 80	16888
0- 90	17000
0-100	17000
0-110	17000
0-120	17000
0-130	17000
0-140	17000
0-150	17000
0-160	17000
0-170	17000
0-180	17000