

**REPORT NUMBER:** PRORATED FROM RAB04286

**PAGE:** 1 OF 10

**ISSUE DATE:** 05/8/18

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** ALED2T105 - RWLED2T105 - RWLED2T105SF - WPLED2T105 (TYPE II) (ALSO APPLIES TO RCL)

**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.

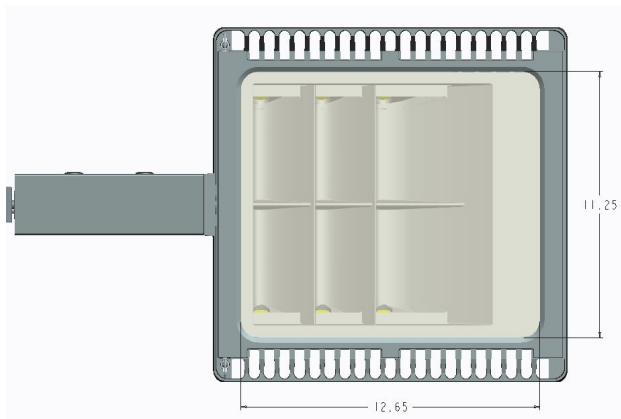
**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04286 WHICH WAS ALED2T150Y. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 107.2 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

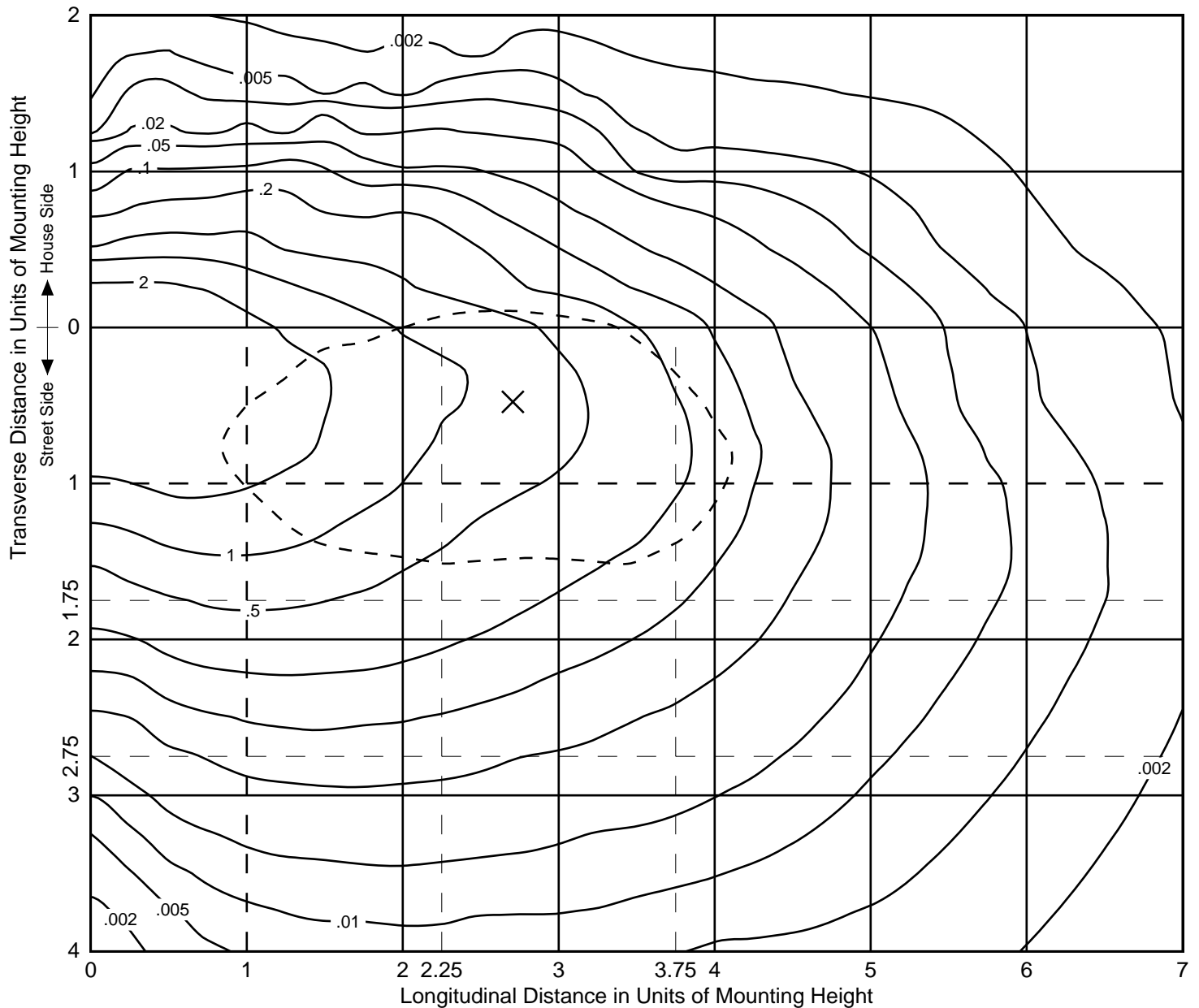
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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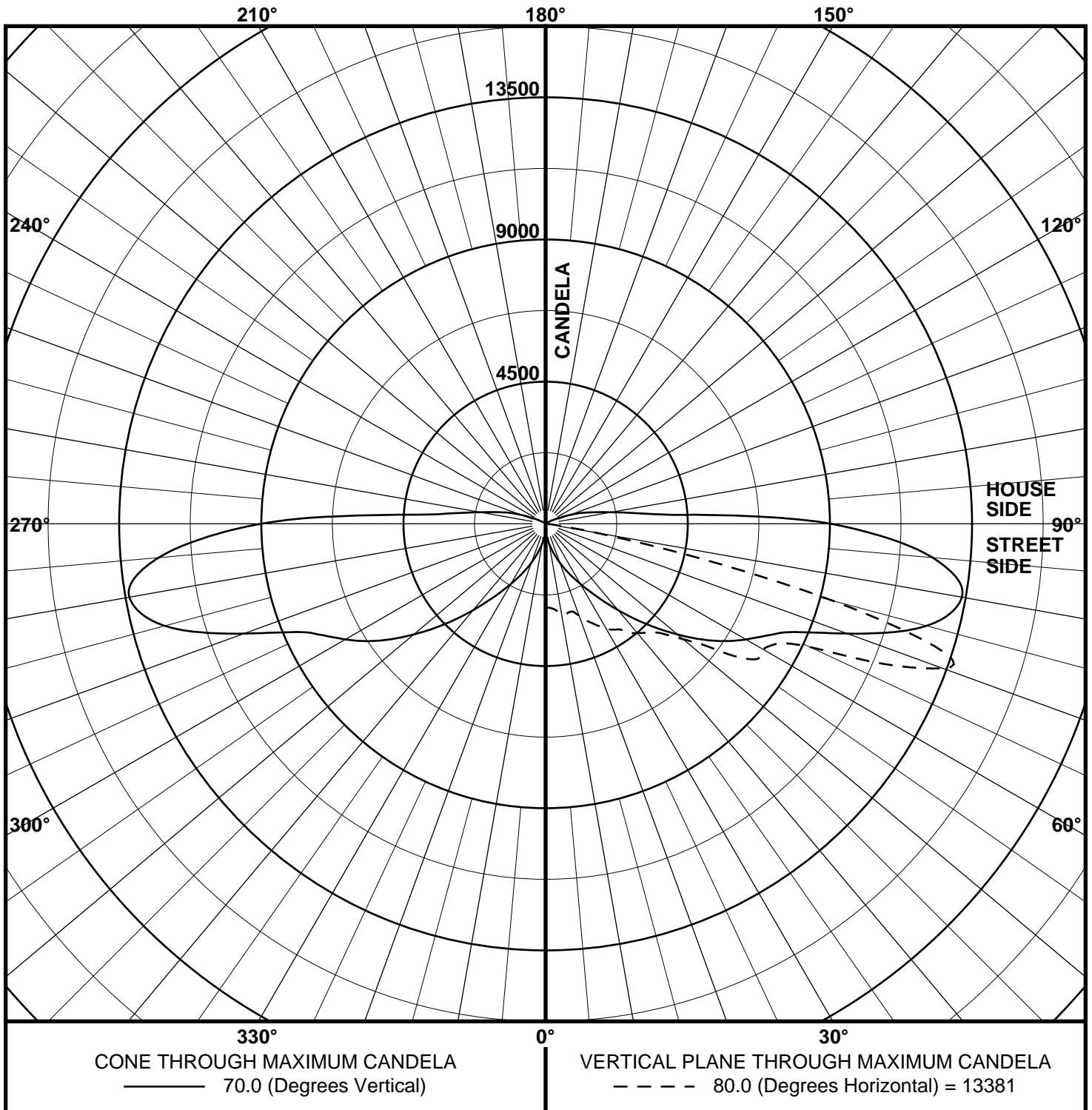
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### MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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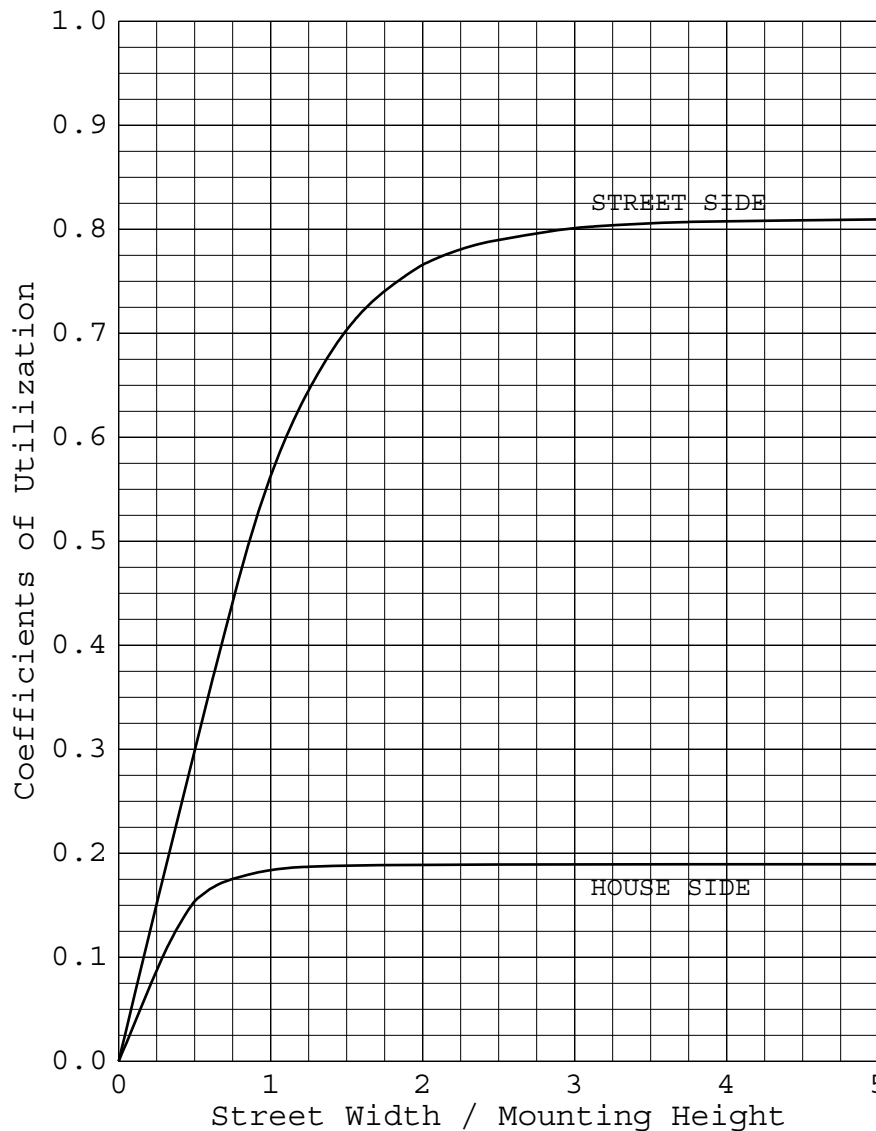
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	11783	81.0
DOWNWARD HOUSE SIDE	2764	19.0
DOWNWARD TOTAL	14547	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	14547	100.0

EFFICACY = 135.7 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 G2		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	11783			
FM	(30° – 60°)	1324.9			
FH	(60° – 80°)	5779.1			
FVH	(80° – 90°)	4598.4			G2
		80.2			G1
Backward					
BL	(0° – 30°)	2764			
BM	(30° – 60°)	19.0			
BH	(60° – 80°)	773.6	B2		
BVH	(80° – 90°)	1317.3	B2		
		660.6			G2
		12.7			G1
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		14547			
		100.0			

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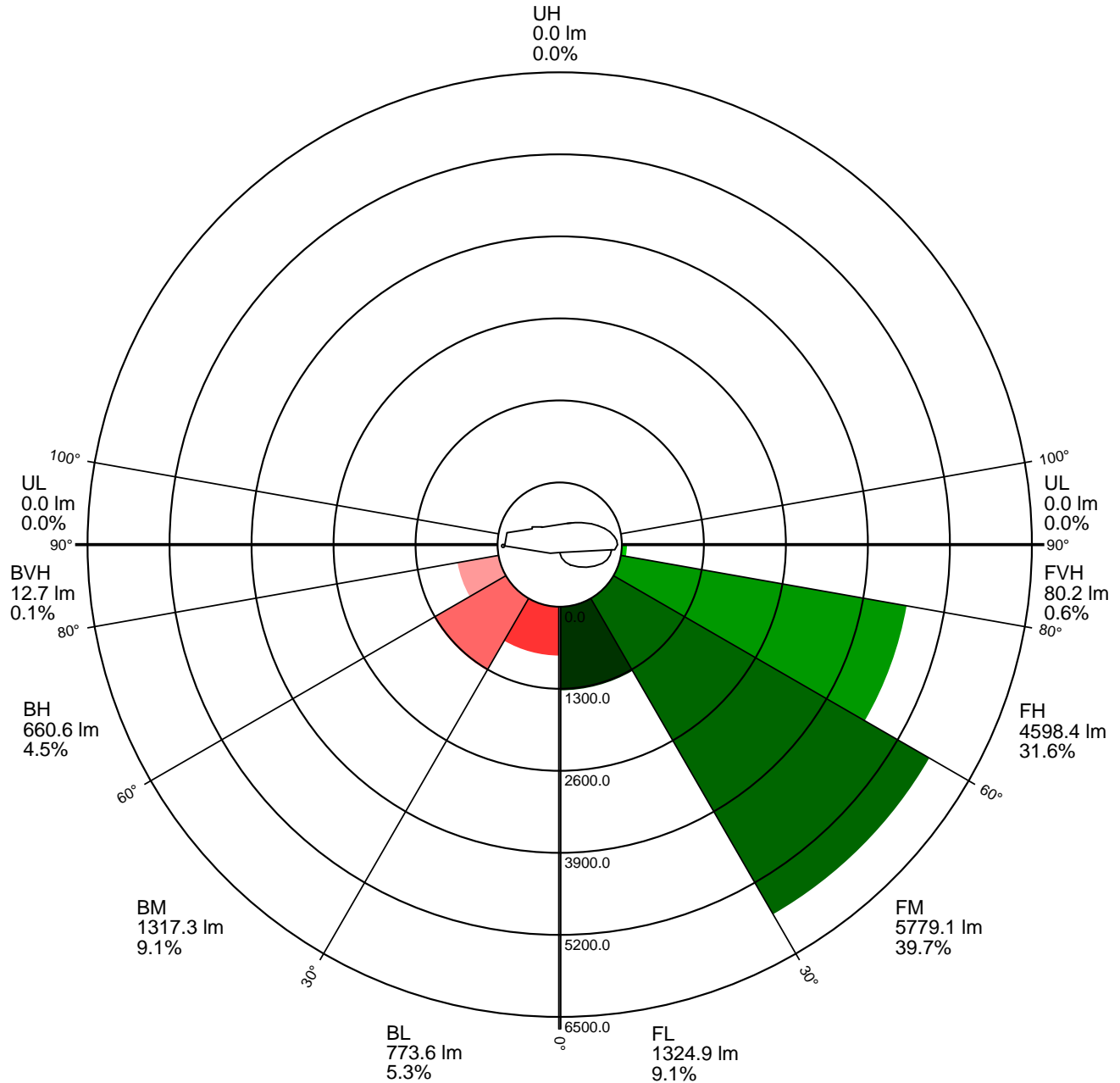
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## Zonal Lumen Summary

(Linear scale)



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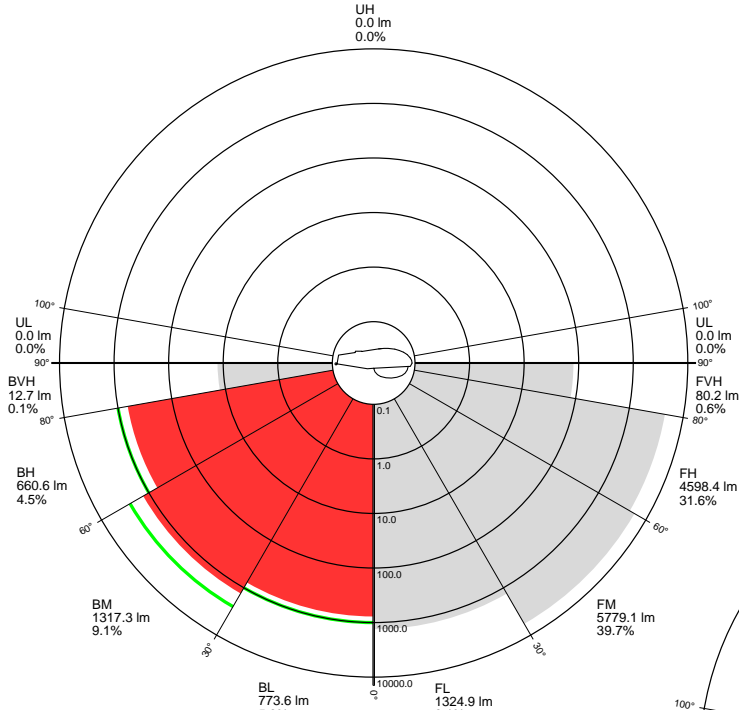
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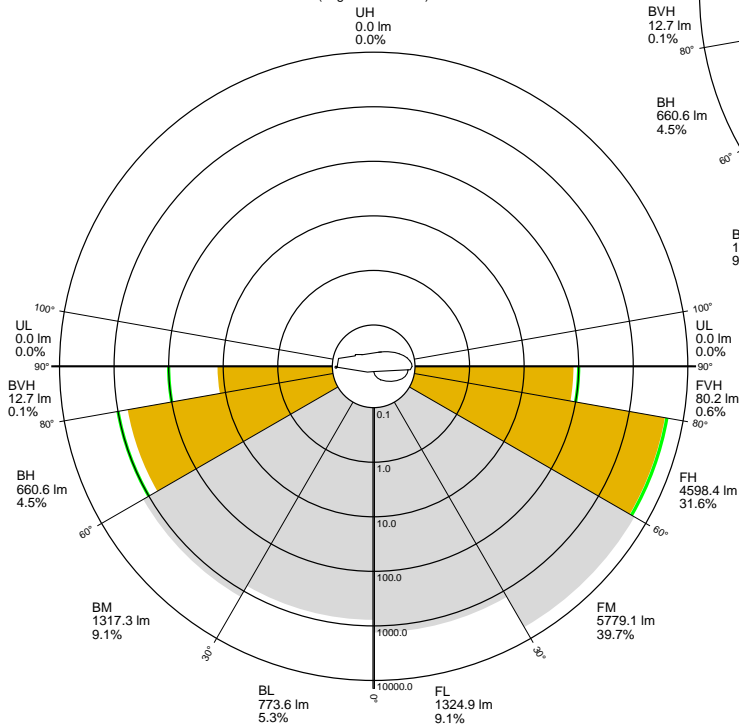
### Backlight Rating Details

(Logarithmic scale)



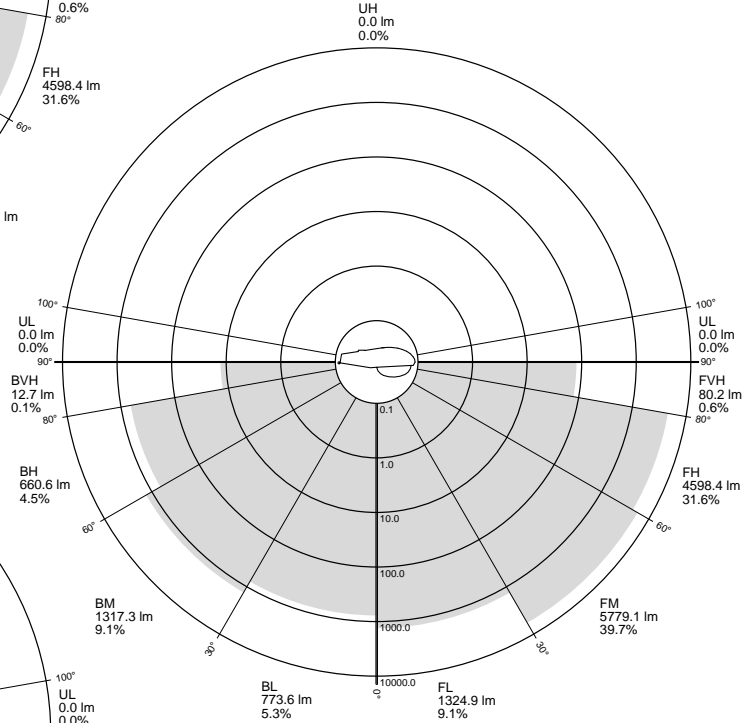
### Glare Rating Details

(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.	2.	5.	8.	9.	11.	26.	17.	14.
	85.0	3.	2.	6.	7.	11.	21.	73.	44.	49.	53.
V	82.5	8.	5.	11.	17.	70.	161.	319.	396.	459.	412.
E	80.0	17.	14.	59.	153.	263.	512.	1135.	1508.	1867.	1577.
R	77.5	32.	33.	199.	364.	667.	1333.	2506.	4107.	5009.	4771.
T	75.0	55.	103.	388.	739.	1359.	2258.	3763.	6422.	9692.	9415.
I	72.5	134.	248.	663.	1224.	2039.	3331.	5220.	7230.	12250.	12937.
C	70.0<<	311.	441.	955.	1723.	2797.	4470.	6453.	8181.	12484.	13381.
A	67.5	600.	635.	1325.	2287.	3630.	5555.	7019.	9193.	10456.	11598.
L	65.0	940.	928.	1780.	2918.	4487.	6303.	7574.	9622.	9691.	9223.
	62.5	1252.	1299.	2245.	3555.	5051.	6610.	7777.	9622.	8878.	8234.
A	60.0	1534.	1685.	2647.	3917.	5379.	6751.	8028.	9274.	8585.	7954.
N	57.5	1778.	2006.	2855.	4180.	5409.	6677.	8155.	8554.	8252.	7957.
G	55.0	2096.	2261.	3000.	4191.	5425.	6761.	8042.	8164.	7797.	7311.
L	52.5	2416.	2520.	3069.	4353.	5568.	6909.	7675.	7707.	6898.	6297.
E	50.0	2765.	2798.	3287.	4536.	5781.	6816.	7388.	7103.	6196.	5685.
	47.5	3030.	3096.	3564.	4706.	5789.	6402.	6874.	6464.	5576.	5197.
	45.0	3239.	3328.	3773.	4730.	5613.	5958.	5999.	5880.	5274.	4855.
	42.5	3389.	3489.	3870.	4592.	5184.	5581.	5341.	5278.	4871.	4675.
	40.0	3451.	3518.	3863.	4262.	4839.	5132.	5112.	4877.	4589.	4516.
	37.5	3398.	3423.	3803.	3996.	4422.	4839.	4798.	4700.	4460.	4363.
	35.0	3293.	3289.	3522.	3637.	4087.	4407.	4558.	4634.	4235.	4079.
	32.5	3172.	3180.	3393.	3457.	3746.	4025.	4336.	4429.	4137.	3974.
	30.0	3081.	3132.	3352.	3386.	3639.	3786.	4059.	4069.	3885.	3845.
	25.0	2933.	2970.	3082.	3236.	3208.	3347.	3468.	3478.	3473.	3472.
	20.0	2806.	2809.	2891.	3104.	3136.	3159.	3073.	3131.	3157.	3094.
	15.0	2835.	2817.	2856.	2955.	3059.	3072.	3052.	3059.	2955.	2895.
	10.0	2764.	2764.	2787.	2800.	2868.	2926.	2957.	2952.	2927.	2895.
	5.0	2709.	2712.	2721.	2721.	2729.	2717.	2716.	2712.	2731.	2703.
	0.0	2641.	2641.	2641.	2641.	2641.	2641.	2641.	2641.	2641.	2641.

||  
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	9.	8.	8.	7.	6.	6.	5.	4.	3.	3.
	85.0	24.	16.	11.	9.	8.	8.	7.	5.	4.	3.
V	82.5	210.	90.	64.	21.	13.	10.	8.	10.	10.	9.
E	80.0	830.	449.	204.	74.	30.	11.	11.	13.	12.	10.
R	77.5	2441.	1183.	198.	65.	30.	11.	11.	13.	12.	11.
T	75.0	5087.	1983.	241.	97.	28.	19.	11.	12.	11.	11.
I	72.5	7718.	2688.	965.	242.	31.	22.	11.	11.	11.	10.
C	70.0<<	9037.	3443.	1404.	382.	49.	22.	12.	14.	13.	10.
A	67.5	8547.	4295.	2160.	496.	65.	25.	14.	14.	14.	11.
L	65.0	7246.	4249.	2788.	598.	159.	36.	21.	17.	16.	13.
	62.5	6363.	4285.	2353.	697.	388.	70.	30.	21.	19.	16.
A	60.0	6063.	4479.	2214.	888.	657.	101.	39.	37.	40.	23.
N	57.5	5698.	4445.	2013.	972.	816.	217.	52.	44.	54.	27.
G	55.0	5372.	4462.	1885.	1056.	815.	356.	74.	52.	70.	27.
L	52.5	4922.	4392.	2097.	1243.	782.	450.	188.	63.	80.	26.
E	50.0	4433.	4141.	2222.	1485.	838.	465.	297.	131.	56.	31.
	47.5	4340.	4011.	2280.	1546.	856.	453.	361.	226.	124.	74.
	45.0	4306.	3901.	2375.	1539.	879.	516.	371.	295.	245.	134.
	42.5	4211.	3782.	2523.	1571.	912.	585.	358.	306.	270.	176.
	40.0	4062.	3634.	2766.	1652.	991.	642.	415.	295.	258.	185.
	37.5	3918.	3556.	2962.	1744.	1109.	709.	501.	347.	230.	185.
	35.0	3690.	3526.	2969.	1876.	1196.	819.	563.	440.	279.	216.
	32.5	3649.	3540.	3006.	2002.	1321.	917.	642.	506.	352.	279.
	30.0	3557.	3459.	2937.	2128.	1484.	1006.	723.	553.	399.	360.
	25.0	3283.	3194.	2798.	2409.	1731.	1292.	935.	697.	565.	525.
	20.0	2996.	2961.	2678.	2371.	2033.	1627.	1327.	1063.	914.	869.
	15.0	2823.	2816.	2673.	2493.	2321.	2128.	1868.	1608.	1481.	1469.
	10.0	2840.	2833.	2737.	2631.	2489.	2356.	2217.	2093.	2034.	1974.
	5.0	2657.	2645.	2613.	2592.	2559.	2501.	2461.	2450.	2419.	2404.
	0.0	2641.	2641.	2641.	2641.	2641.	2641.	2641.	2641.	2641.	2641.

CONE OF MAXIMUM CANDELA

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	63
5- 10	187
10- 15	307
15- 20	405
20- 25	506
25- 30	631
30- 35	771
35- 40	925
40- 45	1097
45- 50	1281
50- 55	1441
55- 60	1581
60- 65	1646
65- 70	1652
70- 75	1360
75- 80	602
80- 85	88
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	250
0- 20	962
0- 30	2098
0- 40	3794
0- 50	6172
0- 60	9195
0- 70	12492
0- 80	14454
0- 90	14547
0-100	14547
0-110	14547
0-120	14547
0-130	14547
0-140	14547
0-150	14547
0-160	14547
0-170	14547
0-180	14547