

**REPORT NUMBER:** PRORATED FROM RAB04286

**PAGE:** 1 OF 10

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

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** ALED2T125Y - RWLED2T125Y - RWLED2T125SFY - WPLED2T125Y (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.

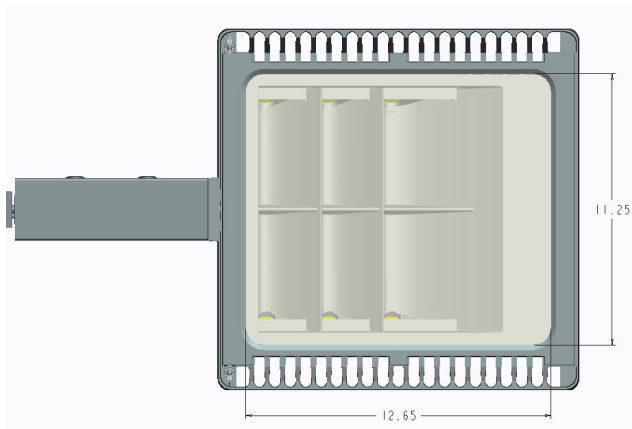
**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04286 WHICH WAS ALED2T150Y. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 134.5 W AT 120.0 VAC.

**LED DRIVER:** LED DRIVER: RDD-160

**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

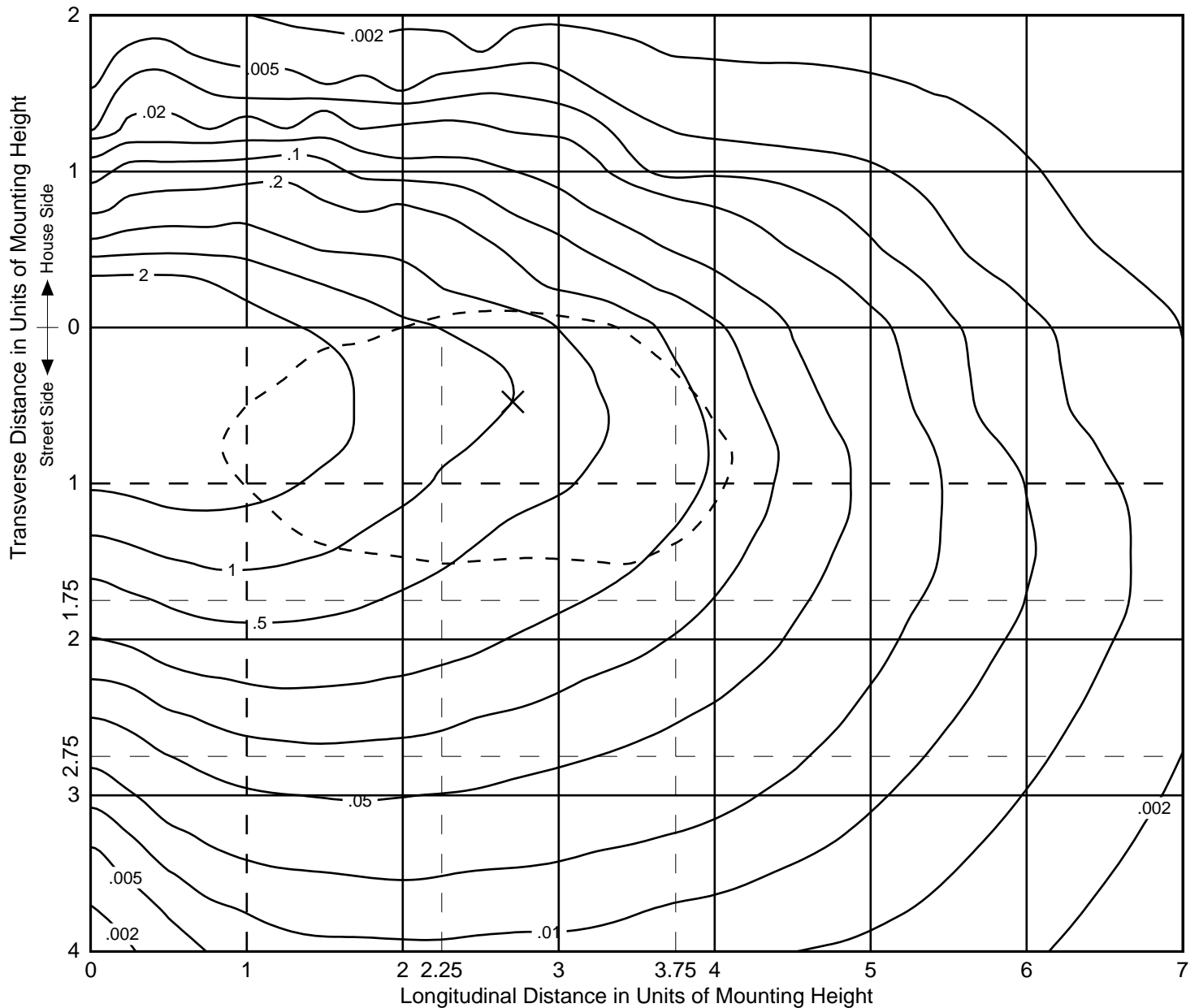
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point



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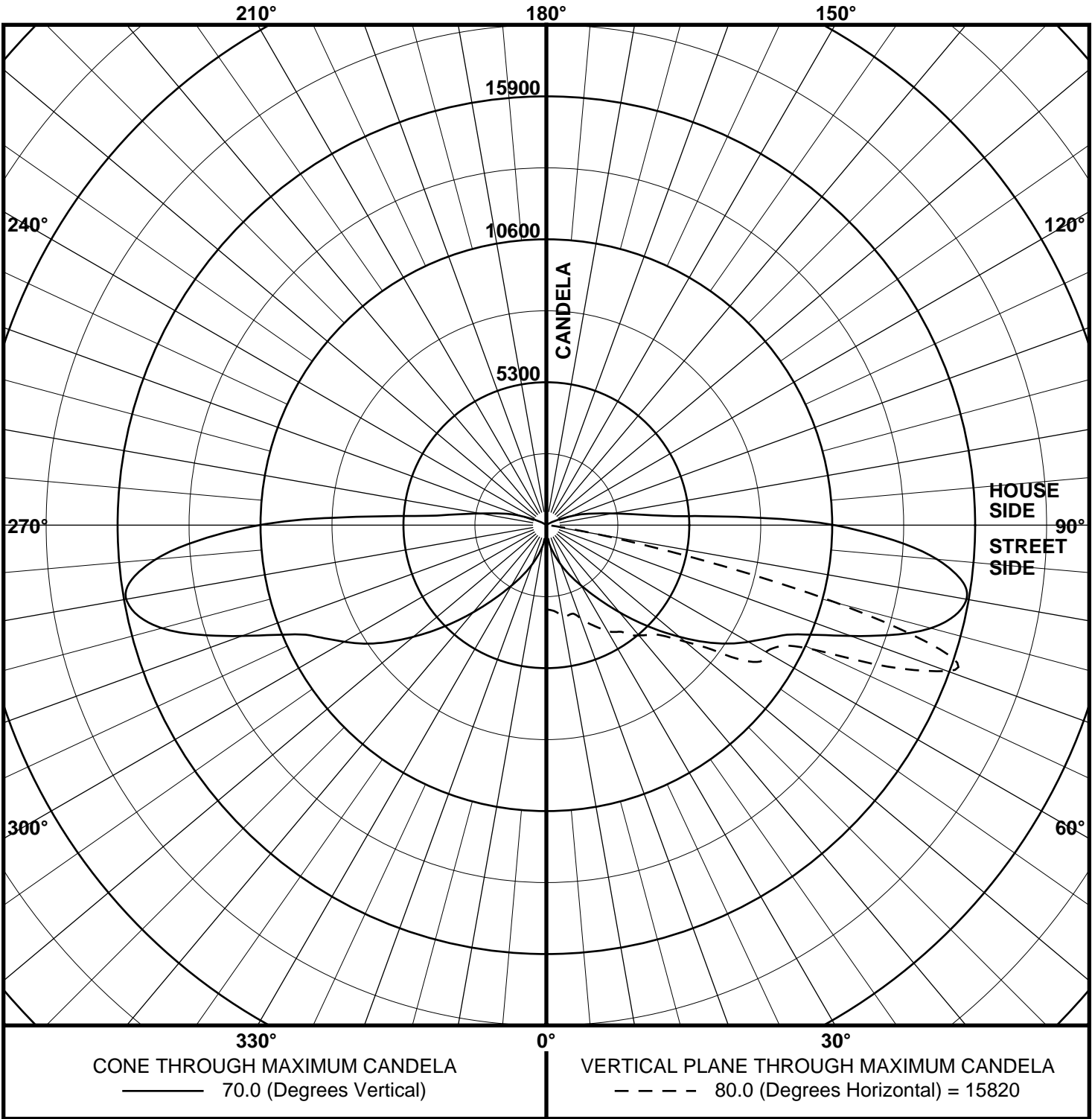
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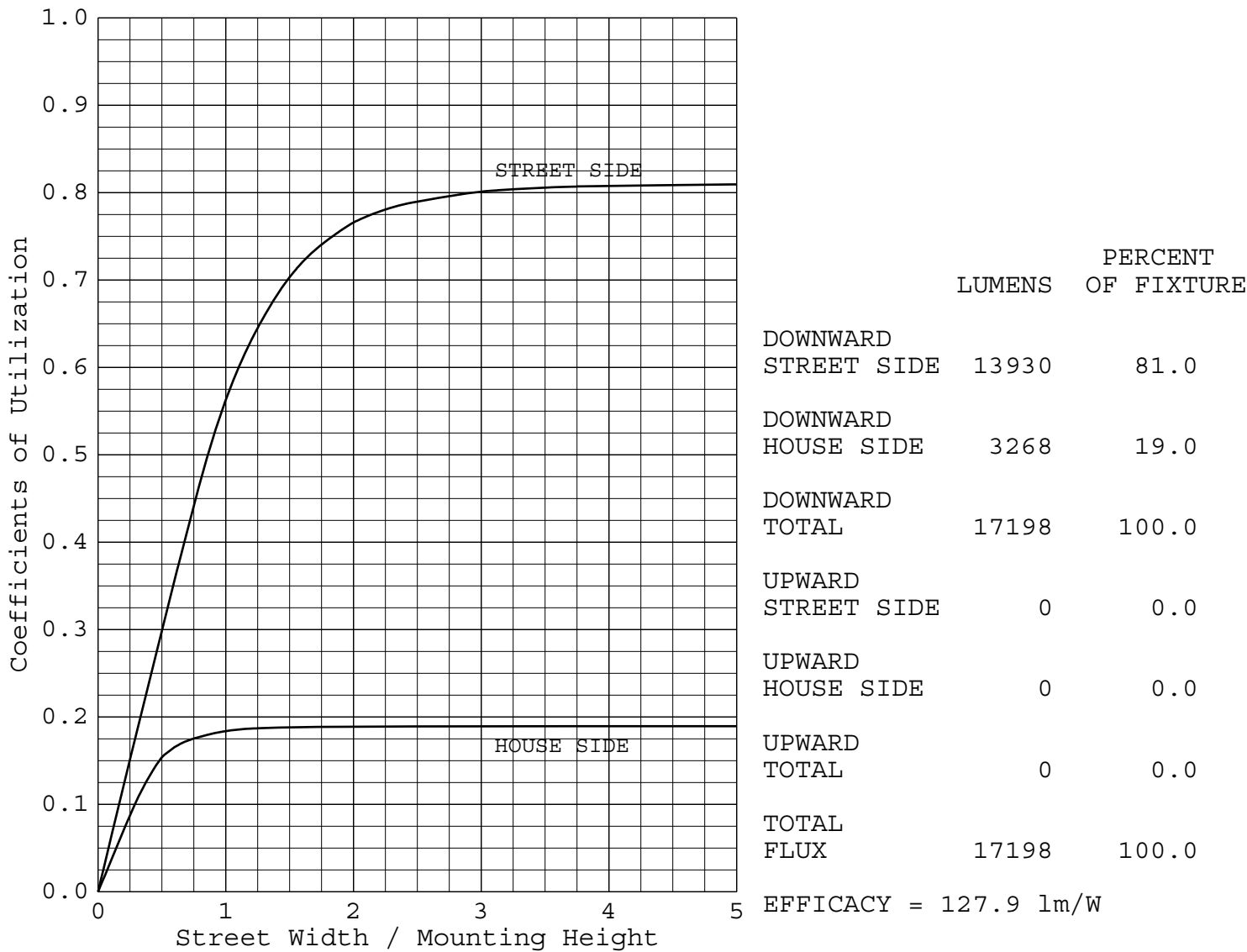
**MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA**



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**COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION**



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°)	13930			
FM	(30° – 60°)	1566.3			
FH	(60° – 80°)	6832.2			
FVH	(80° – 90°)	5436.4			G3
		94.9			G1
Backward					
BL	(0° – 30°)	3268			
BM	(30° – 60°)	19.0	B2		
BH	(60° – 80°)	5.3	B2		
BVH	(80° – 90°)	9.1	B2		G2
		781.0			G1
		15.0			
Upward					
UL	(90° – 100°)	0		U0	
UH	(100° – 180°)	0.0		U0	
Trapped Light					
Total Flux					
		0			
		17198			
		100.0			

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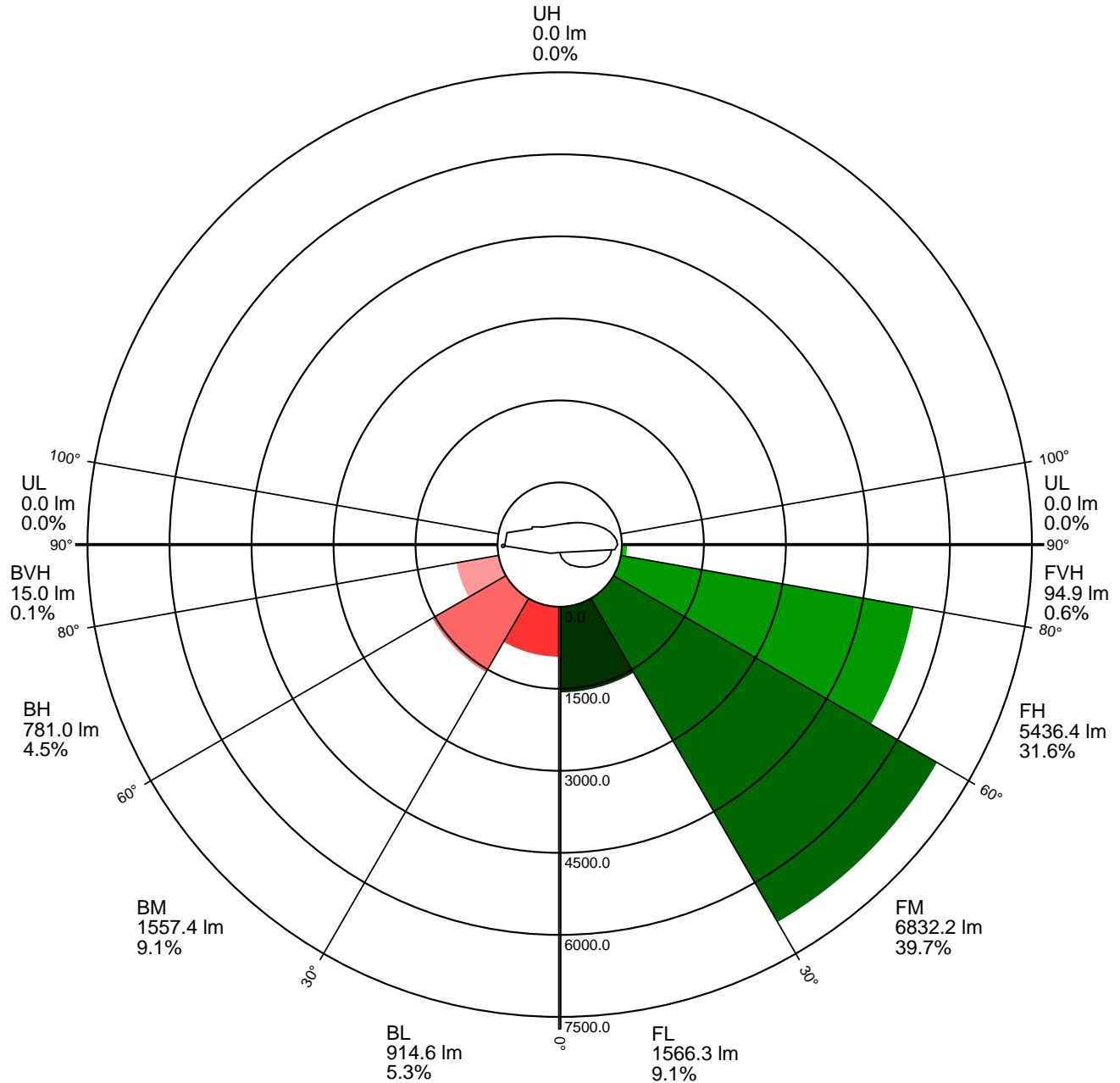
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## Zonal Lumen Summary

(Linear scale)



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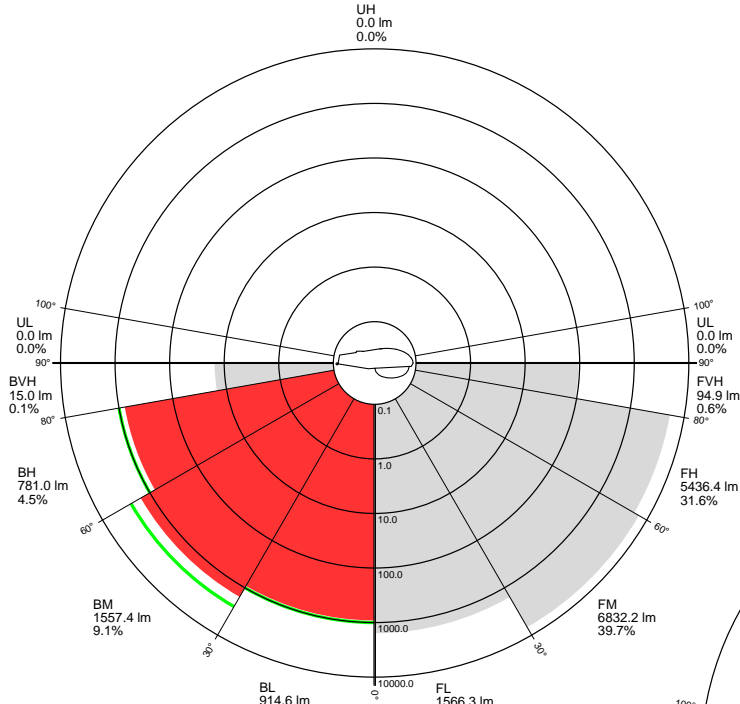
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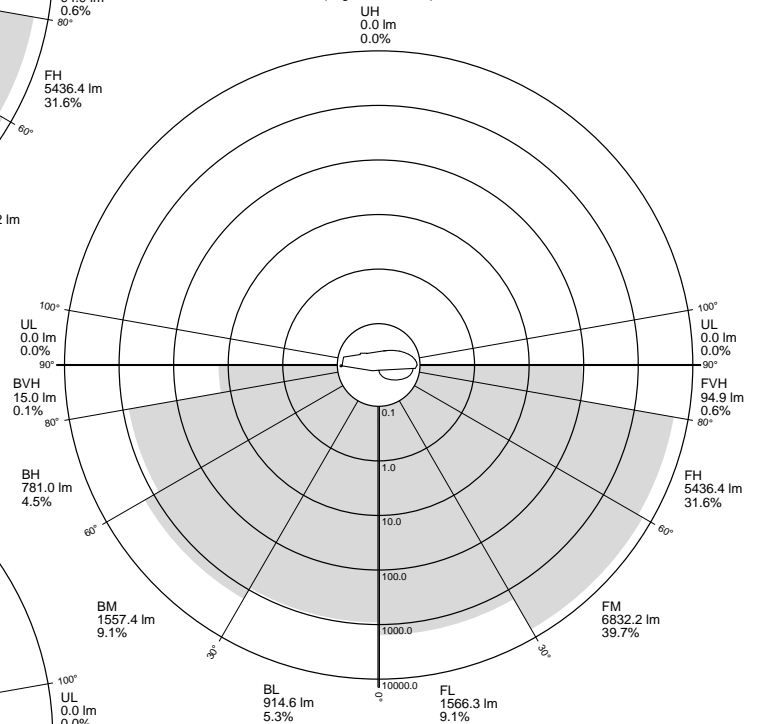
### Backlight Rating Details

(Logarithmic scale)



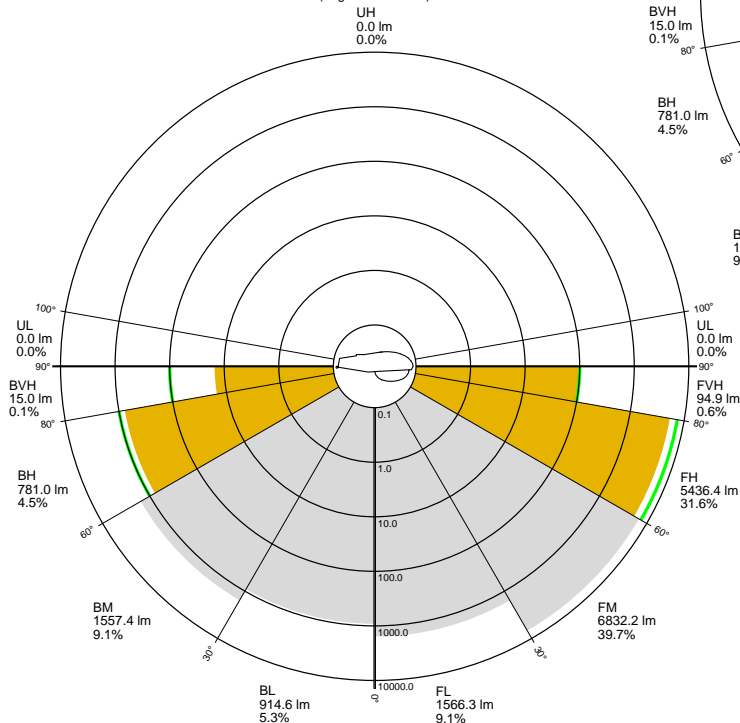
### Uplight Rating Details

(Logarithmic scale)



### Glare Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

	STREET SIDE										
	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.	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	1.	1.	3.	5.	9.	11.	13.	31.	20.	16.	12.
85.0	4.	3.	7.	8.	13.	25.	86.	52.	58.	63.	58.
V 82.5	10.	6.	13.	21.	83.	190.	377.	469.	542.	487.	316.
E 80.0	21.	16.	70.	181.	311.	605.	1342.	1783.	2208.	1865.	1129.
R 77.5	38.	39.	235.	430.	789.	1576.	2963.	4856.	5922.	5640.	3710.
T 75.0	65.	121.	459.	874.	1607.	2670.	4448.	7592.	11459.	11130.	8309.
I 72.5	158.	293.	784.	1447.	2410.	3937.	6171.	8547.	14482.	15295.	12652.
C 70.0<<	367.	522.	1129.	2037.	3307.	5285.	7629.	9672.	14759.	15820.	14539.
A 67.5	709.	751.	1567.	2704.	4291.	6568.	8298.	10868.	12361.	13711.	13098.
L 65.0	1111.	1097.	2104.	3450.	5305.	7451.	8954.	11375.	11457.	10904.	10646.
62.5	1480.	1536.	2654.	4203.	5972.	7815.	9195.	11375.	10495.	9734.	8810.
A 60.0	1813.	1992.	3130.	4631.	6359.	7982.	9491.	10964.	10150.	9403.	8351.
N 57.5	2102.	2372.	3376.	4941.	6395.	7894.	9641.	10113.	9756.	9407.	8036.
G 55.0	2478.	2673.	3547.	4955.	6413.	7993.	9507.	9652.	9218.	8643.	7546.
L 52.5	2856.	2980.	3629.	5147.	6583.	8169.	9073.	9112.	8155.	7444.	6702.
E 50.0	3269.	3308.	3886.	5362.	6834.	8058.	8734.	8397.	7326.	6720.	5885.
47.5	3582.	3660.	4213.	5564.	6843.	7569.	8127.	7642.	6592.	6144.	5623.
45.0	3829.	3935.	4461.	5592.	6636.	7044.	7092.	6952.	6235.	5739.	5434.
42.5	4007.	4125.	4576.	5429.	6129.	6598.	6315.	6240.	5758.	5527.	5312.
40.0	4080.	4159.	4567.	5039.	5720.	6068.	6044.	5765.	5425.	5339.	5114.
37.5	4017.	4047.	4496.	4724.	5228.	5720.	5673.	5557.	5273.	5158.	4895.
35.0	3893.	3888.	4164.	4300.	4832.	5210.	5388.	5478.	5007.	4823.	4613.
32.5	3750.	3760.	4011.	4087.	4429.	4759.	5126.	5237.	4891.	4698.	4541.
30.0	3643.	3703.	3963.	4003.	4302.	4476.	4798.	4811.	4593.	4545.	4433.
25.0	3467.	3511.	3644.	3825.	3793.	3957.	4100.	4112.	4106.	4104.	3983.
20.0	3317.	3321.	3418.	3670.	3708.	3735.	3633.	3701.	3732.	3658.	3586.
15.0	3351.	3331.	3376.	3494.	3616.	3631.	3608.	3616.	3494.	3423.	3367.
10.0	3268.	3268.	3295.	3310.	3391.	3459.	3496.	3490.	3461.	3423.	3399.
5.0	3202.	3207.	3217.	3217.	3226.	3212.	3211.	3207.	3229.	3195.	3173.
0.0	3122.	3122.	3122.	3122.	3122.	3122.	3122.	3122.	3122.	3122.	3122.

||  
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	11.	9.	10.	8.	7.	7.	6.	4.	4.	4.	4.
	85.0	29.	19.	13.	11.	10.	10.	8.	5.	4.	4.	4.
V	82.5	248.	106.	75.	25.	15.	12.	10.	12.	12.	11.	10.
E	80.0	981.	531.	241.	88.	36.	13.	13.	15.	14.	12.	11.
R	77.5	2886.	1399.	234.	76.	35.	13.	13.	15.	14.	13.	12.
T	75.0	6014.	2344.	285.	115.	33.	22.	13.	14.	13.	13.	12.
I	72.5	9125.	3178.	1141.	286.	37.	26.	13.	13.	13.	12.	12.
C	70.0	<10684.	4070.	1660.	452.	57.	26.	14.	16.	15.	12.	12.
A	67.5	10105.	5078.	2553.	586.	76.	30.	16.	16.	17.	13.	12.
L	65.0	8566.	5024.	3296.	707.	189.	42.	25.	20.	19.	15.	13.
	62.5	7522.	5066.	2782.	824.	459.	83.	35.	25.	22.	19.	15.
A	60.0	7168.	5296.	2618.	1049.	777.	119.	47.	44.	48.	27.	18.
N	57.5	6737.	5255.	2380.	1149.	964.	257.	62.	52.	64.	31.	18.
G	55.0	6352.	5275.	2228.	1249.	963.	421.	87.	61.	83.	31.	21.
L	52.5	5819.	5193.	2479.	1470.	925.	531.	222.	75.	94.	31.	24.
E	50.0	5241.	4895.	2627.	1755.	991.	550.	351.	155.	66.	37.	29.
	47.5	5131.	4742.	2696.	1828.	1012.	536.	426.	268.	146.	88.	69.
	45.0	5091.	4612.	2808.	1820.	1040.	610.	438.	349.	289.	159.	127.
	42.5	4979.	4472.	2983.	1857.	1078.	691.	423.	362.	320.	208.	170.
	40.0	4802.	4296.	3270.	1953.	1172.	759.	490.	348.	305.	218.	185.
	37.5	4631.	4204.	3502.	2062.	1312.	838.	593.	410.	272.	219.	193.
	35.0	4363.	4169.	3510.	2218.	1414.	968.	665.	521.	329.	256.	230.
	32.5	4314.	4185.	3554.	2367.	1562.	1084.	759.	599.	417.	329.	300.
	30.0	4205.	4089.	3472.	2516.	1754.	1190.	855.	654.	471.	426.	400.
	25.0	3881.	3776.	3308.	2849.	2046.	1527.	1105.	824.	668.	620.	601.
	20.0	3542.	3500.	3166.	2804.	2403.	1923.	1568.	1257.	1080.	1027.	989.
	15.0	3337.	3329.	3160.	2947.	2744.	2515.	2208.	1901.	1751.	1736.	1685.
	10.0	3358.	3349.	3236.	3111.	2943.	2786.	2621.	2474.	2405.	2334.	2313.
	5.0	3141.	3127.	3089.	3064.	3025.	2956.	2910.	2897.	2859.	2842.	2815.
	0.0	3122.	3122.	3122.	3122.	3122.	3122.	3122.	3122.	3122.	3122.	3122.

CONE OF MAXIMUM CANDELA

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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	74
5- 10	221
10- 15	363
15- 20	478
20- 25	598
25- 30	746
30- 35	911
35- 40	1094
40- 45	1297
45- 50	1514
50- 55	1704
55- 60	1870
60- 65	1945
65- 70	1953
70- 75	1607
75- 80	712
80- 85	104
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	296
0- 20	1137
0- 30	2481
0- 40	4486
0- 50	7297
0- 60	10870
0- 70	14769
0- 80	17088
0- 90	17198
0-100	17198
0-110	17198
0-120	17198
0-130	17198
0-140	17198
0-150	17198
0-160	17198
0-170	17198
0-180	17198