

**REPORT NUMBER:** PRORATED FROM RAB04284

**PAGE:** 1 OF 10

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

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** ALED4T125 - RWLED4T125 - RWLED4T125SF - WPLED4T125 (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.

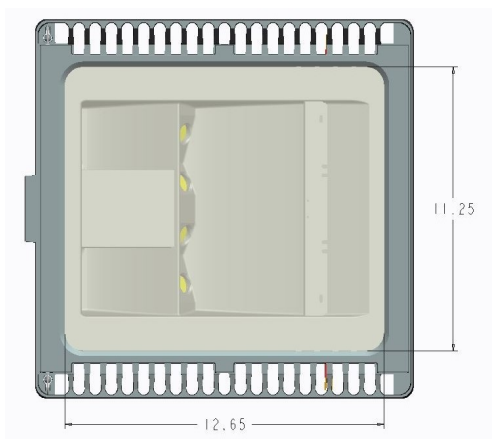
**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04284 WHICH WAS ALED4T150Y. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 132.4 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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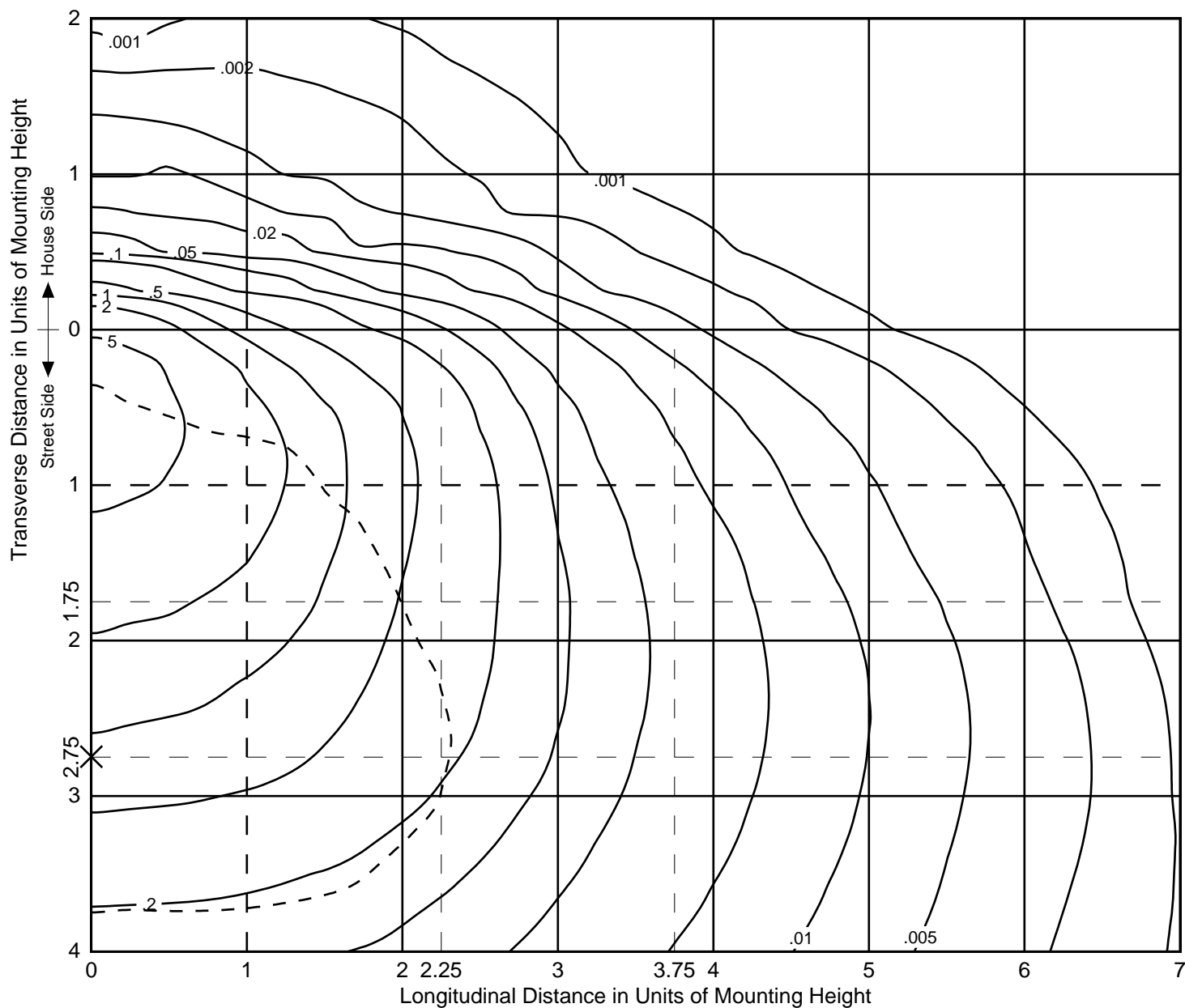
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IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — - 1/2 Maximum Candela trace

✕ Maximum Candela point



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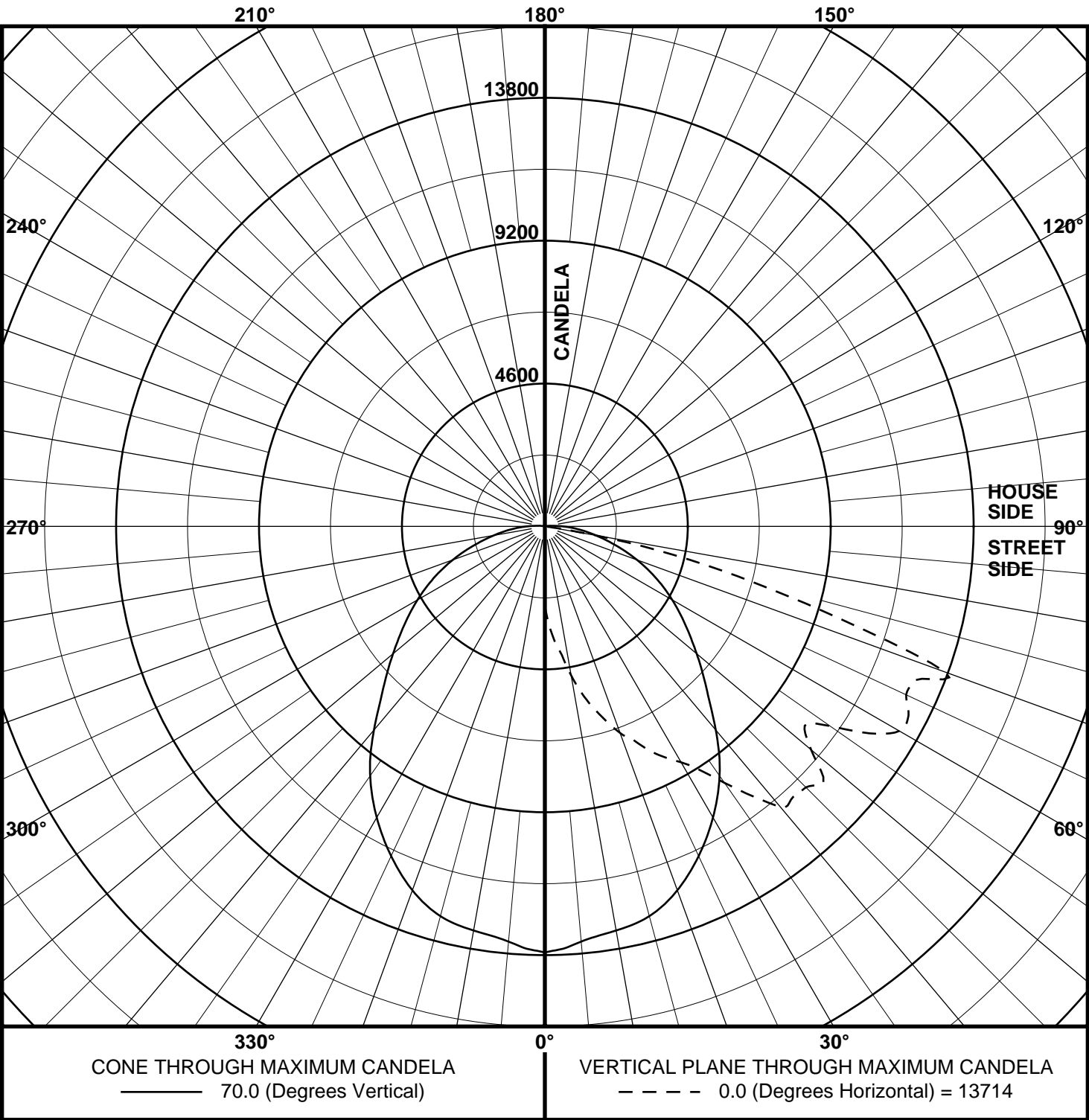
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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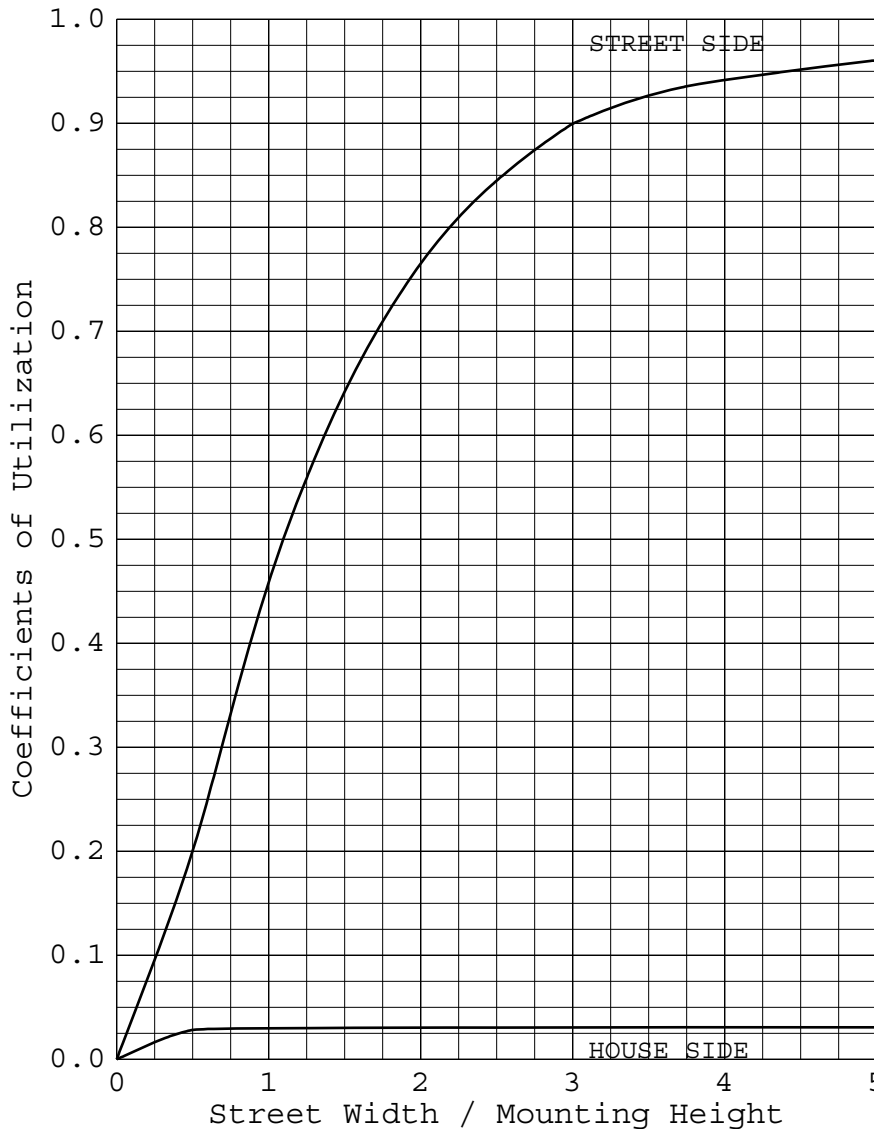
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	16765	96.8
DOWNWARD HOUSE SIDE	550	3.2
DOWNWARD TOTAL	17315	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	17315	100.0

EFFICACY = 130.8 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 G3		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	16765			
FM	(30° – 60°)	2040.1			
FH	(60° – 80°)	8138.0			
FVH	(80° – 90°)	6419.8			G3
		167.1			G2
Backward					
BL	(0° – 30°)	550			
BM	(30° – 60°)	295.6	B1		
BH	(60° – 80°)	197.2	B0		
BVH	(80° – 90°)	49.5	B0		G0
		8.0			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		17315			
		100.0			

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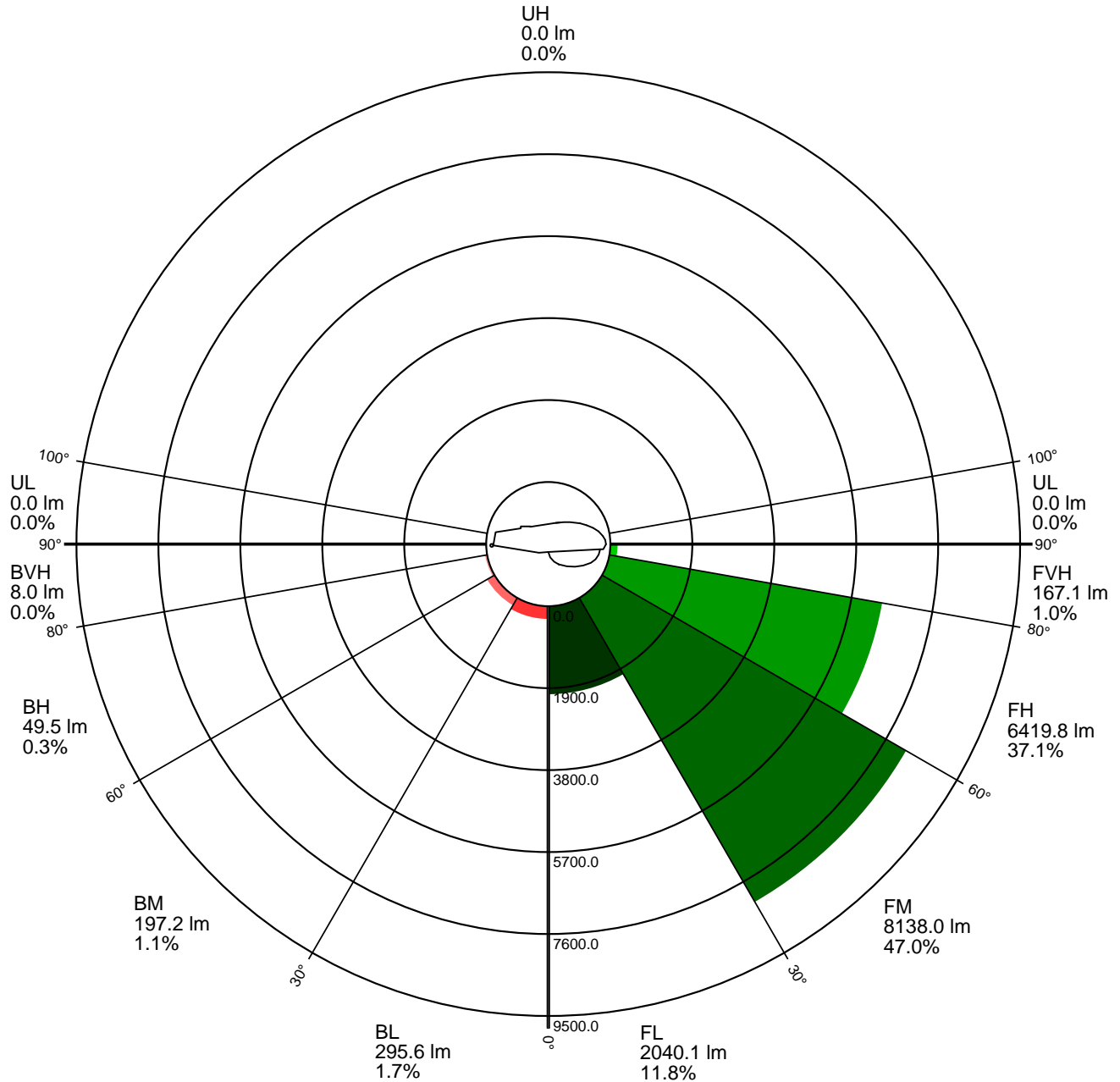
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## Zonal Lumen Summary

(Linear scale)



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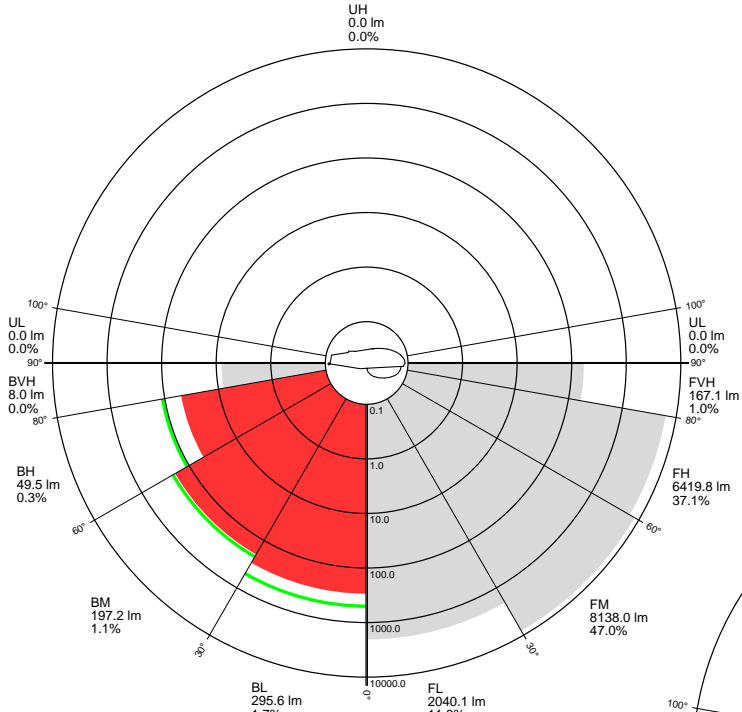
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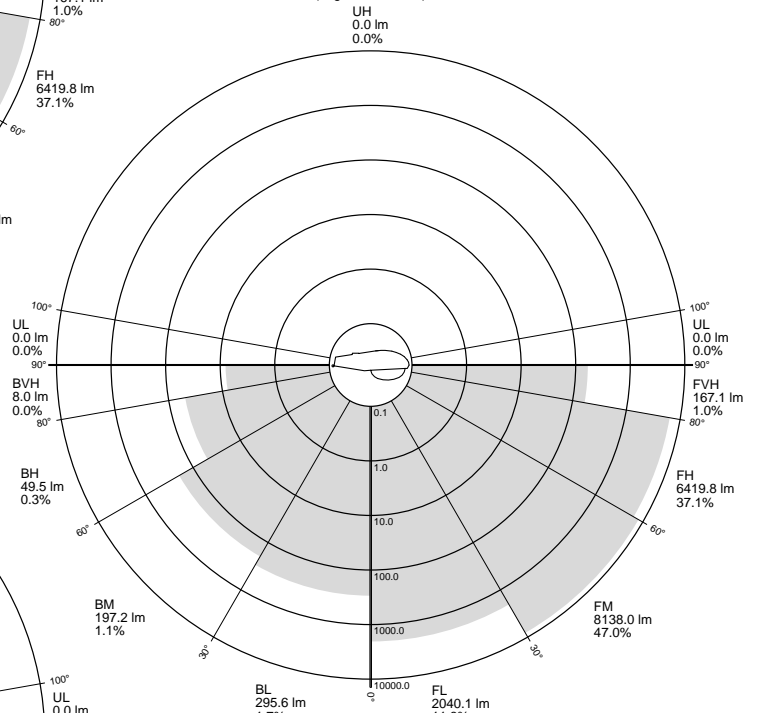
### Backlight Rating Details

(Logarithmic scale)



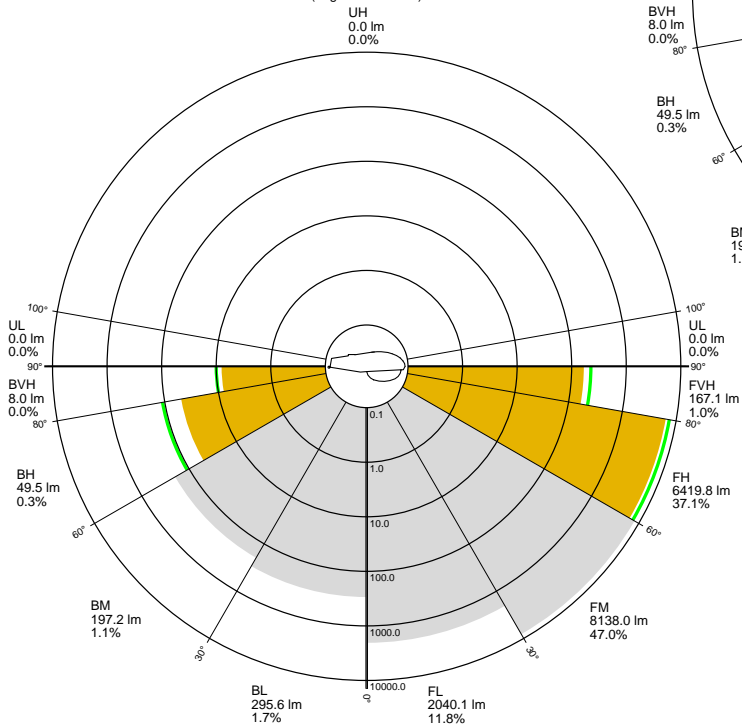
### Uplight Rating Details

(Logarithmic scale)



### Glare Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

	STREET SIDE		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	20.	23.	27.	25.	27.	16.	20.	21.	21.	21.	22.	
85.0	59.	59.	60.	114.	233.	153.	117.	74.	86.	38.	24.	
V 82.5	164.	175.	191.	324.	643.	641.	689.	436.	296.	110.	47.	
E 80.0	1631.	1670.	1746.	1951.	2573.	2055.	1789.	1478.	1056.	466.	177.	
R 77.5	4272.	4240.	4277.	4708.	4993.	4385.	3470.	2539.	1565.	765.	320.	
T 75.0	6922.	6841.	6905.	7304.	7770.	7159.	5789.	3569.	2189.	1059.	467.	
I 72.5	10116.	10027.	9965.	10651.	11100.	9187.	6812.	4560.	2797.	1555.	736.	
C 70.0	<13714.	13606.	13417.	12990.	11711.	9807.	7351.	5520.	3952.	2366.	1092.	
A 67.5	12927.	12734.	12484.	12350.	11401.	10362.	8040.	6142.	4839.	3138.	1584.	
L 65.0	12831.	12583.	12259.	12498.	11549.	10610.	8381.	6697.	5205.	3728.	1917.	
62.5	13193.	12895.	12389.	12484.	11638.	10891.	9079.	6610.	5326.	4044.	1920.	
A 60.0	13172.	12810.	12184.	11989.	11351.	10863.	9513.	7111.	5266.	4006.	1778.	
N 57.5	12401.	12100.	11385.	11020.	10577.	9605.	9343.	7808.	5287.	3746.	1754.	
G 55.0	11209.	10922.	10414.	10156.	9552.	9178.	9423.	7891.	5335.	3562.	1775.	
L 52.5	10543.	10375.	10003.	9566.	9504.	9153.	8881.	7311.	5142.	3395.	1810.	
E 50.0	11184.	11032.	10836.	10489.	10021.	8891.	8533.	6837.	4991.	3392.	1893.	
47.5	12161.	12014.	11704.	10704.	10102.	9280.	7935.	6343.	4823.	3396.	1884.	
45.0	11884.	11796.	11578.	10612.	10258.	9078.	7222.	5883.	4669.	3332.	1950.	
42.5	11820.	11752.	11590.	10928.	10074.	8264.	6846.	5691.	4577.	3288.	2069.	
40.0	11788.	11703.	11554.	10867.	9242.	7766.	6660.	5692.	4552.	3190.	2103.	
37.5	10929.	10810.	10669.	9905.	8499.	7425.	6490.	5607.	4546.	3259.	2152.	
35.0	10073.	9946.	9765.	8954.	8020.	7080.	6376.	5491.	4407.	3298.	2310.	
32.5	9308.	9235.	9103.	8335.	7565.	6802.	6130.	5384.	4318.	3278.	2396.	
30.0	8773.	8717.	8619.	7825.	7266.	6550.	5865.	5145.	4282.	3281.	2495.	
25.0	7961.	7922.	7864.	7198.	6647.	6031.	5425.	4834.	4115.	3285.	2626.	
20.0	7080.	7040.	7015.	6655.	6109.	5622.	5101.	4505.	3822.	3213.	2601.	
15.0	6057.	6050.	6002.	5824.	5430.	4999.	4539.	4075.	3581.	3243.	2642.	
10.0	4881.	4876.	4858.	4726.	4479.	4200.	3901.	3673.	3411.	3084.	2630.	
5.0	3742.	3764.	3732.	3674.	3605.	3524.	3411.	3253.	3046.	2844.	2617.	
0.0	2581.	2581.	2581.	2581.	2581.	2581.	2581.	2581.	2581.	2581.	2581.	

||  
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	22.	22.	21.	20.	19.	17.	16.	14.	12.	12.	11.
	85.0	23.	23.	21.	20.	18.	17.	16.	13.	10.	9.	9.
	82.5	34.	27.	22.	20.	18.	16.	15.	12.	8.	7.	7.
	80.0	73.	30.	25.	20.	18.	16.	14.	11.	7.	6.	6.
	77.5	118.	49.	27.	21.	18.	16.	14.	10.	7.	5.	5.
	75.0	239.	66.	27.	23.	18.	16.	13.	10.	6.	5.	5.
	72.5	370.	108.	28.	24.	18.	16.	13.	10.	6.	5.	5.
	70.0<<	584.	209.	33.	25.	18.	16.	13.	10.	6.	5.	5.
	67.5	880.	261.	43.	25.	23.	16.	13.	10.	7.	5.	5.
	65.0	1059.	310.	57.	27.	22.	17.	13.	10.	7.	5.	5.
	62.5	1104.	359.	64.	27.	22.	18.	15.	10.	7.	5.	6.
	60.0	1106.	440.	61.	43.	22.	18.	18.	12.	7.	5.	6.
	57.5	1283.	510.	86.	51.	22.	18.	16.	18.	12.	9.	9.
	55.0	1369.	604.	118.	49.	25.	20.	17.	17.	18.	16.	16.
	52.5	1342.	682.	172.	48.	31.	23.	22.	16.	16.	16.	17.
	50.0	1305.	681.	221.	52.	38.	24.	25.	26.	19.	17.	17.
	47.5	1281.	697.	242.	67.	48.	27.	19.	23.	19.	18.	17.
	45.0	1319.	774.	309.	83.	57.	29.	26.	16.	16.	16.	16.
	42.5	1438.	876.	377.	89.	61.	43.	26.	18.	16.	16.	16.
	40.0	1518.	957.	376.	119.	59.	56.	32.	25.	18.	17.	18.
	37.5	1553.	1055.	404.	185.	59.	56.	52.	37.	26.	21.	23.
	35.0	1679.	1147.	454.	277.	64.	55.	72.	60.	42.	35.	38.
	32.5	1774.	1208.	528.	335.	83.	63.	69.	73.	64.	59.	66.
	30.0	1890.	1335.	643.	367.	156.	72.	66.	64.	67.	69.	79.
25.0	2078.	1562.	936.	521.	396.	174.	81.	64.	62.	65.	69.	
20.0	2137.	1695.	1168.	708.	502.	381.	279.	167.	117.	103.	107.	
15.0	2278.	1918.	1510.	1013.	714.	539.	473.	411.	383.	353.	363.	
10.0	2403.	2165.	1751.	1541.	1217.	978.	862.	760.	721.	693.	714.	
5.0	2495.	2380.	2173.	1988.	1844.	1723.	1683.	1625.	1583.	1520.	1593.	
0.0	2581.	2581.	2581.	2581.	2581.	2581.	2581.	2581.	2581.	2581.	2581.	

CONE OF MAXIMUM CANDELA

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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	61
5- 10	181
10- 15	308
15- 20	446
20- 25	592
25- 30	747
30- 35	916
35- 40	1124
40- 45	1333
45- 50	1504
50- 55	1616
55- 60	1842
60- 65	2017
65- 70	1995
70- 75	1641
75- 80	817
80- 85	162
85- 90	13
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	243
0- 20	996
0- 30	2336
0- 40	4376
0- 50	7213
0- 60	10671
0- 70	14683
0- 80	17140
0- 90	17315
0-100	17315
0-110	17315
0-120	17315
0-130	17315
0-140	17315
0-150	17315
0-160	17315
0-170	17315
0-180	17315