

**REPORT NUMBER:** PRORATED FROM RAB04361

**PAGE:** 1 OF 10

**ISSUE DATE:** 05/10/18

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** ALED4T50/480 - RWLED4T50/480 - RWLED4T50SF/480 -  
WPLED4T50/480 (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.

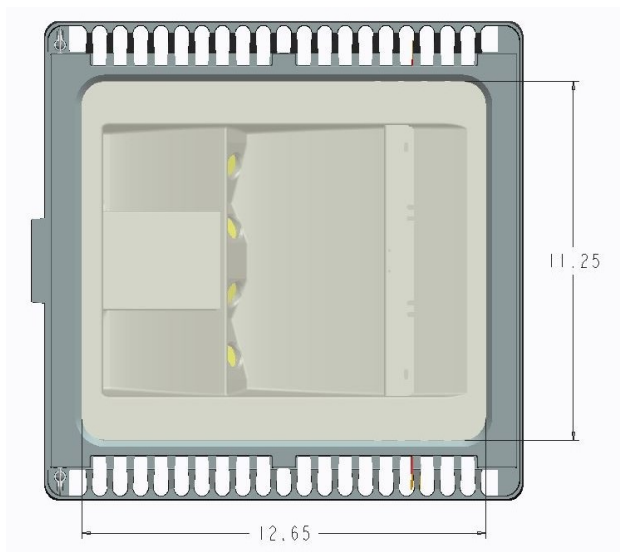
**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04361 WHICH WAS  
ALED4T125Y/480. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 53.5 W AT 480.0 VAC.

**LED DRIVER:** LED DRIVER: RDD-H65-36A-A1400-480

**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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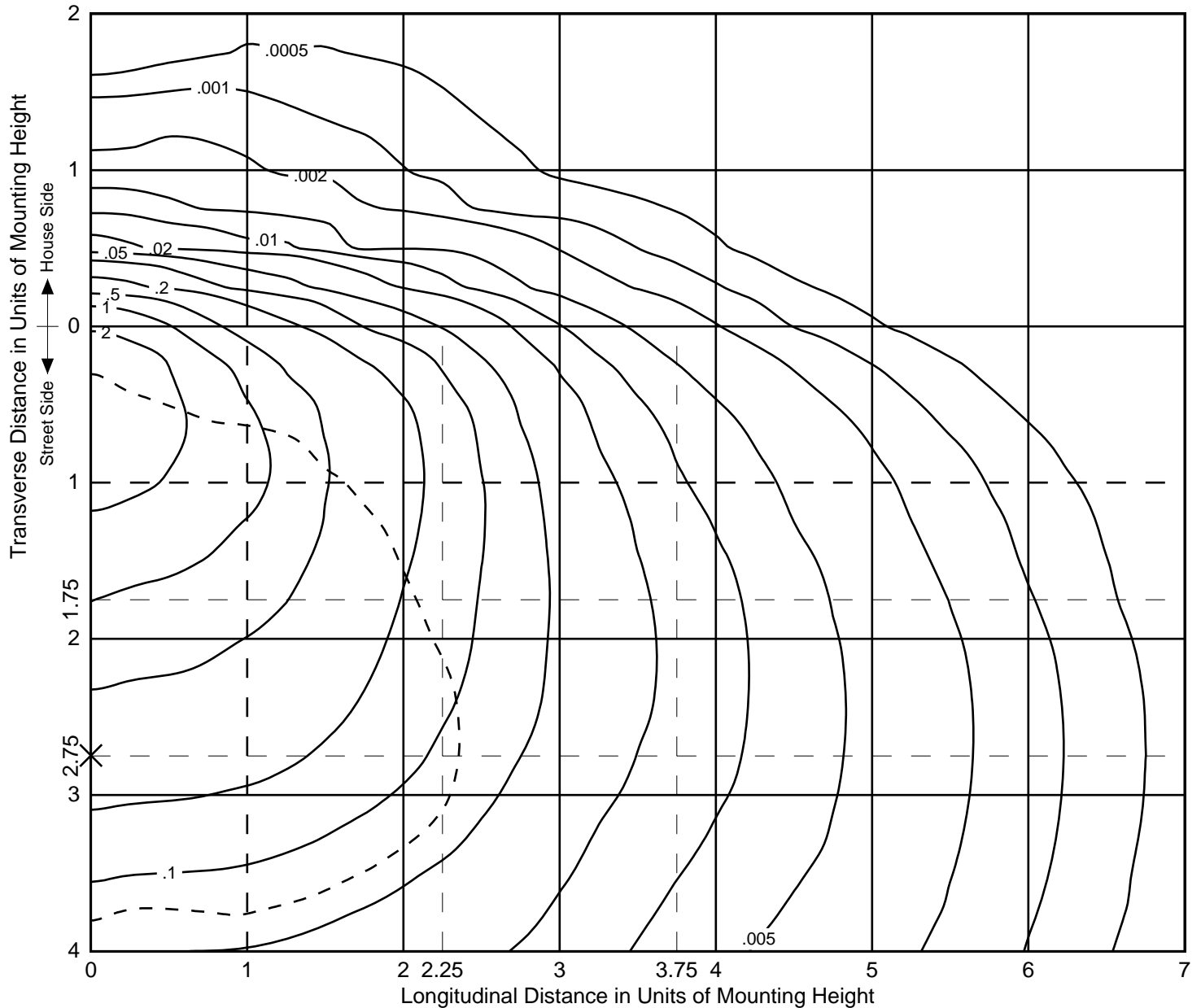
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION**  
Values based on 25-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — 1/2 Maximum Candela trace

× Maximum Candela point



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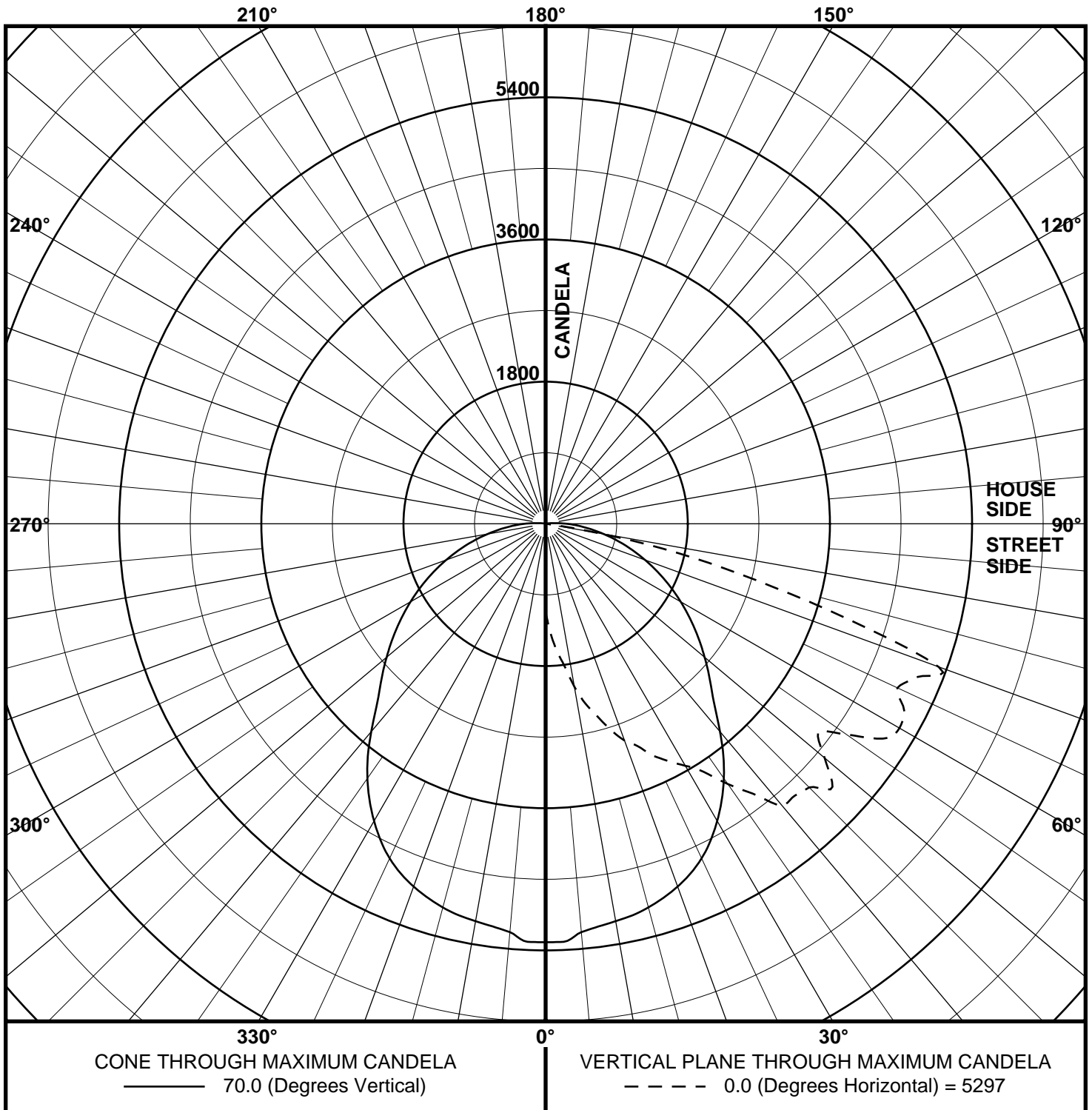
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**MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA**



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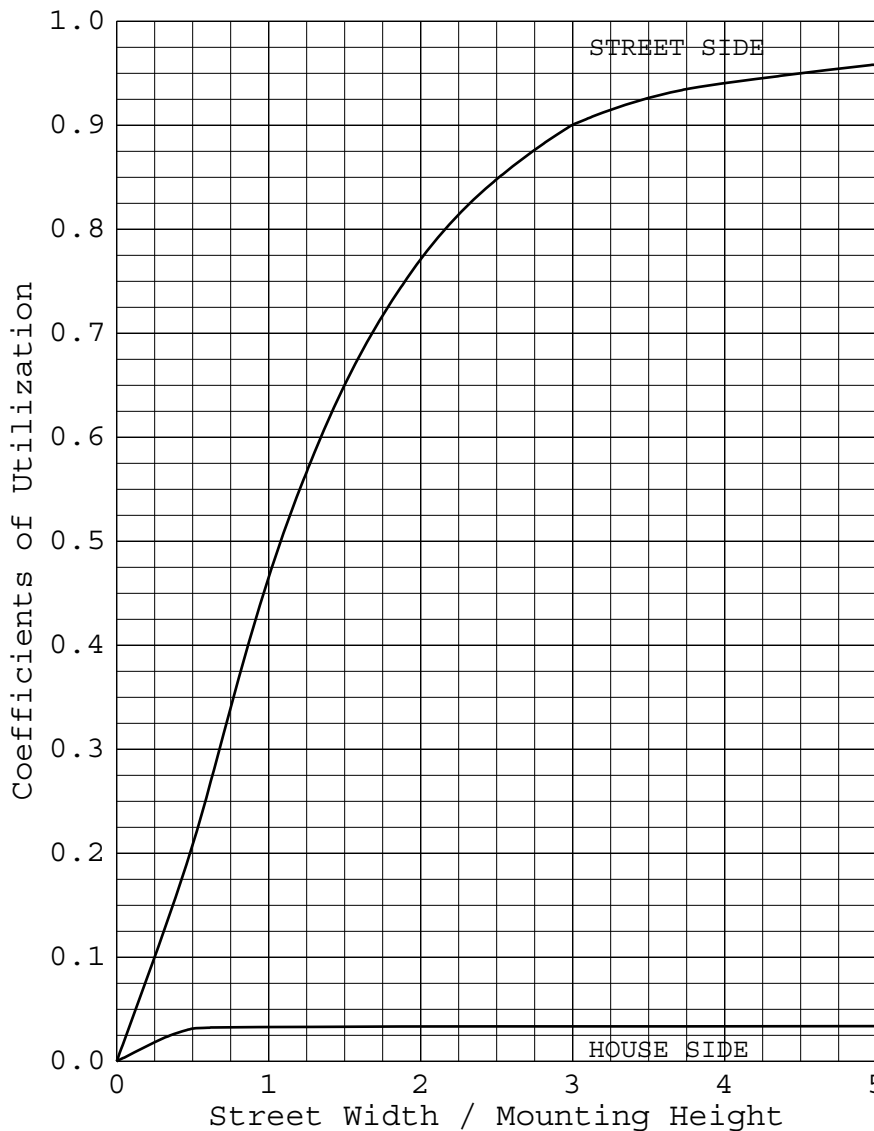
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	6849	96.5
DOWNWARD HOUSE SIDE	245	3.5
DOWNWARD TOTAL	7094	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	7094	100.0

EFFICACY = 132.6 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			B1U0G2				
Zonal Summary			Lumens	% of Fixture	Zone Ratings		
					B	U	G
Forward			6849	96.5			
FL	(0° – 30°)		858.1	12.1			
FM	(30° – 60°)		3351.7	47.2			
FH	(60° – 80°)		2574.3	36.3			G2
FVH	(80° – 90°)		64.4	0.9			G1
Backward			245	3.5			
BL	(0° – 30°)		133.3	1.9	B1		
BM	(30° – 60°)		87.9	1.2	B0		
BH	(60° – 80°)		21.1	0.3	B0		G0
BVH	(80° – 90°)		3.0	0.0			G0
Upward			0	0.0			
UL	(90° – 100°)		0.0	0.0		U0	
UH	(100° – 180°)		0.0	0.0		U0	
Trapped Light			0	0.0			
Total Flux			7094	100.0			

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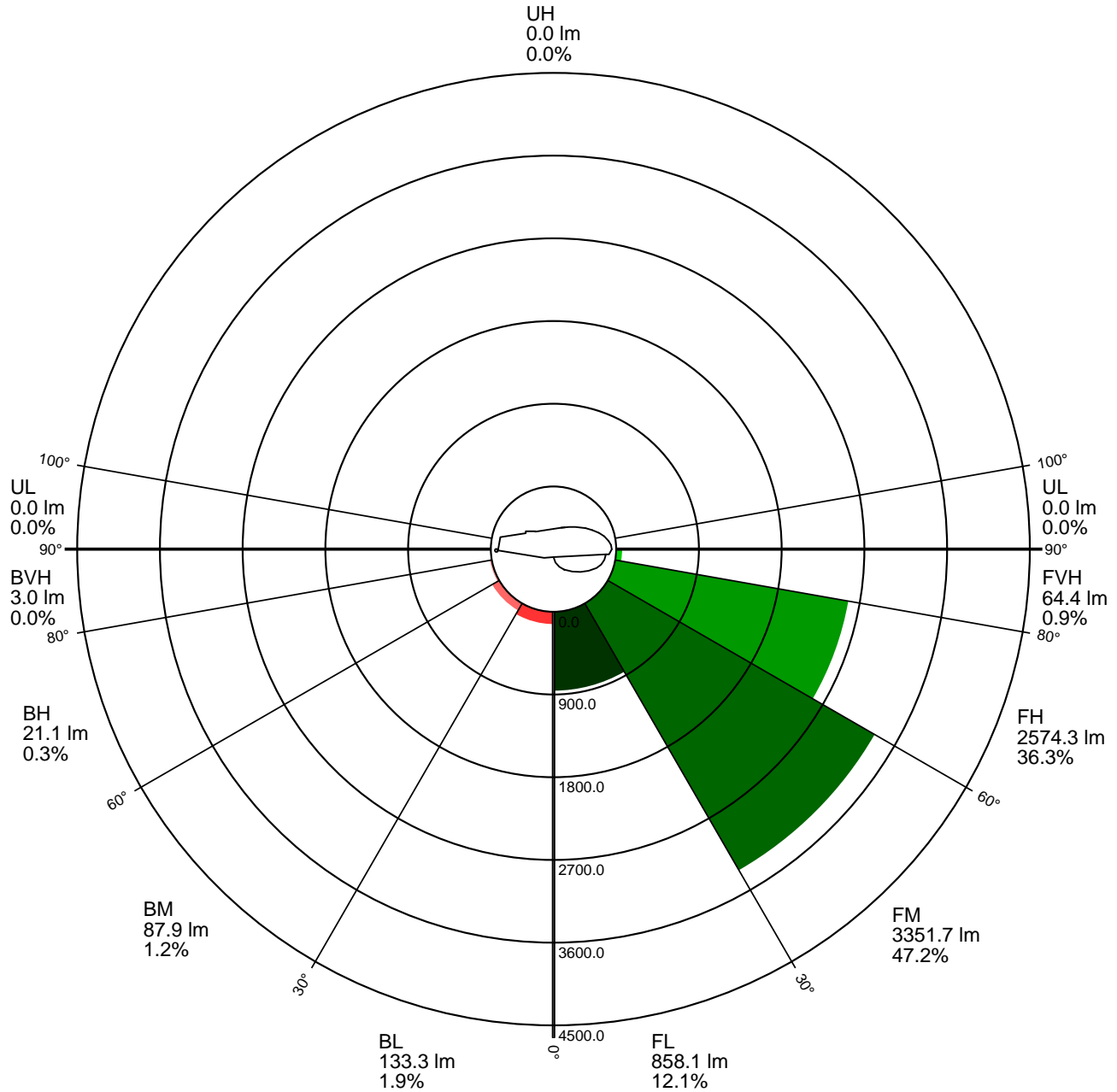
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## Zonal Lumen Summary

(Linear scale)



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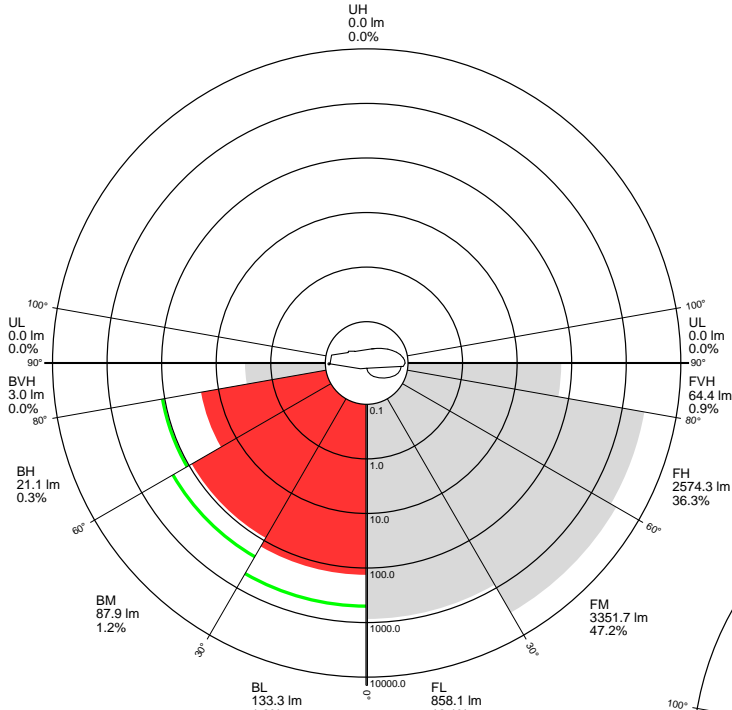
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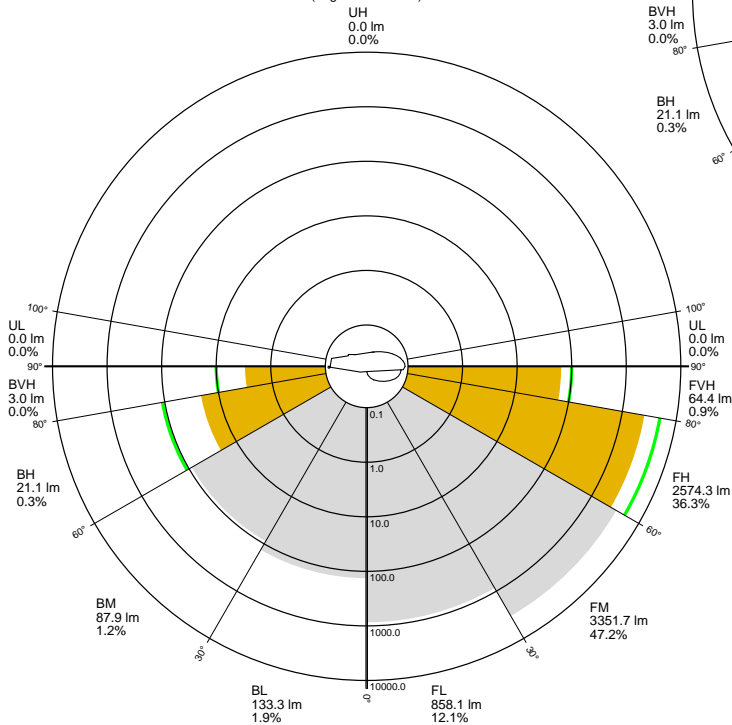
### Backlight Rating Details

(Logarithmic scale)



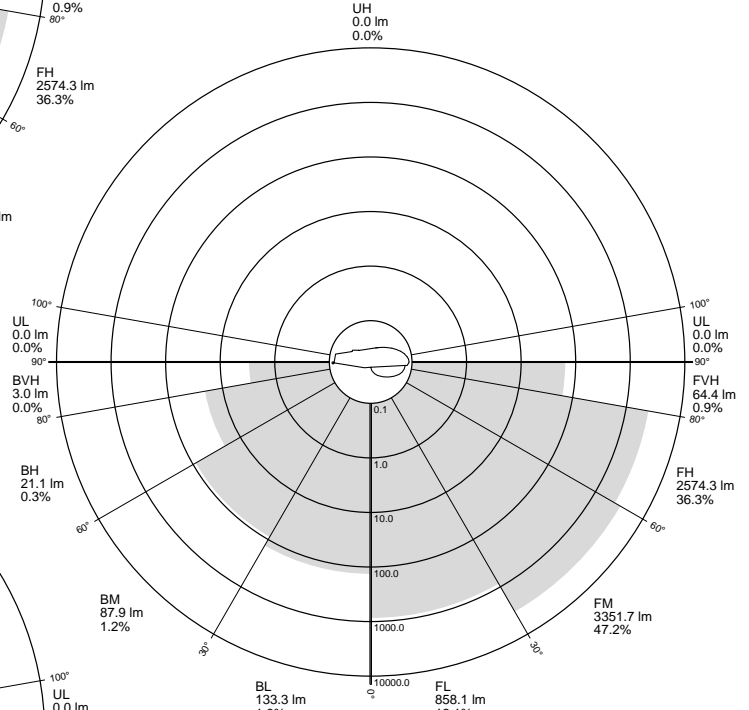
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

	STREET SIDE										
	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	8.	8.	7.	7.	6.	6.	7.	9.	9.	8.	9.
85.0	20.	19.	19.	42.	71.	53.	34.	28.	33.	14.	9.
V 82.5	73.	69.	62.	124.	214.	272.	240.	169.	108.	48.	18.
E 80.0	714.	687.	643.	809.	941.	852.	688.	642.	423.	202.	76.
R 77.5	1723.	1683.	1627.	1876.	1872.	1742.	1302.	1058.	694.	346.	148.
T 75.0	2755.	2700.	2616.	2887.	2927.	2877.	2249.	1437.	872.	461.	214.
I 72.5	4011.	3941.	3819.	4181.	4269.	3683.	2753.	1867.	1166.	635.	313.
C 70.0<<	5297.	5297.	5191.	5029.	4673.	3936.	2972.	2300.	1655.	1034.	486.
A 67.5	5078.	4974.	4893.	4819.	4531.	4164.	3214.	2550.	2037.	1374.	720.
L 65.0	4914.	4858.	4735.	4870.	4595.	4285.	3353.	2746.	2204.	1636.	866.
62.5	5119.	5025.	4839.	4923.	4633.	4454.	3695.	2783.	2227.	1756.	882.
A 60.0	5173.	5013.	4777.	4749.	4660.	4620.	4027.	3004.	2197.	1727.	816.
N 57.5	5063.	4884.	4617.	4497.	4425.	4105.	3948.	3232.	2215.	1618.	781.
G 55.0	4653.	4515.	4289.	4172.	4061.	3826.	3926.	3268.	2234.	1527.	799.
L 52.5	4349.	4272.	4101.	3965.	3922.	3716.	3649.	3018.	2183.	1463.	794.
E 50.0	4610.	4548.	4432.	4312.	4101.	3590.	3484.	2838.	2128.	1486.	822.
47.5	4928.	4872.	4726.	4331.	4018.	3757.	3210.	2646.	2061.	1499.	822.
45.0	4721.	4693.	4589.	4232.	4106.	3660.	2971.	2456.	1995.	1452.	859.
42.5	4670.	4655.	4598.	4365.	4043.	3326.	2819.	2371.	1953.	1409.	914.
40.0	4654.	4632.	4574.	4301.	3691.	3149.	2728.	2366.	1940.	1385.	939.
37.5	4305.	4279.	4228.	3937.	3440.	3012.	2655.	2328.	1939.	1433.	962.
35.0	4021.	3997.	3937.	3623.	3250.	2883.	2618.	2285.	1886.	1446.	1022.
32.5	3725.	3708.	3658.	3355.	3081.	2771.	2521.	2244.	1838.	1421.	1058.
30.0	3538.	3522.	3480.	3156.	2966.	2681.	2422.	2156.	1823.	1418.	1098.
25.0	3244.	3239.	3211.	2934.	2729.	2504.	2271.	2030.	1768.	1433.	1155.
20.0	2922.	2921.	2907.	2758.	2554.	2349.	2144.	1919.	1644.	1401.	1141.
15.0	2522.	2516.	2509.	2432.	2291.	2118.	1948.	1747.	1554.	1408.	1162.
10.0	2092.	2084.	2093.	2017.	1939.	1808.	1691.	1585.	1481.	1338.	1156.
5.0	1612.	1619.	1614.	1597.	1566.	1526.	1482.	1408.	1326.	1240.	1138.
0.0	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.

||  
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.	9.	8.	8.	7.	7.	6.	5.	4.	4.
	85.0	9.	9.	8.	8.	7.	7.	6.	5.	3.	2.
V	82.5	13.	11.	9.	8.	7.	6.	5.	4.	2.	2.
E	80.0	31.	12.	9.	7.	7.	6.	5.	4.	2.	1.
R	77.5	59.	20.	10.	8.	7.	6.	5.	3.	2.	1.
T	75.0	111.	35.	10.	8.	7.	5.	5.	3.	2.	0.
I	72.5	167.	52.	11.	9.	6.	5.	4.	3.	2.	0.
C	70.0<<	266.	89.	12.	9.	7.	5.	4.	3.	2.	0.
A	67.5	399.	118.	16.	9.	8.	6.	4.	3.	2.	0.
L	65.0	483.	151.	22.	10.	8.	7.	4.	3.	2.	0.
	62.5	487.	179.	26.	10.	8.	6.	6.	3.	2.	0.
A	60.0	498.	217.	24.	19.	7.	7.	6.	5.	2.	0.
N	57.5	581.	246.	36.	21.	8.	7.	6.	5.	4.	2.
G	55.0	601.	287.	52.	19.	9.	7.	6.	5.	5.	4.
L	52.5	581.	322.	73.	18.	10.	7.	8.	6.	5.	5.
E	50.0	575.	318.	94.	20.	15.	8.	7.	9.	7.	5.
	47.5	569.	326.	108.	29.	19.	9.	7.	5.	4.	4.
	45.0	592.	362.	142.	32.	21.	11.	8.	5.	4.	4.
	42.5	653.	410.	173.	33.	22.	18.	8.	6.	4.	4.
	40.0	685.	452.	176.	49.	22.	21.	14.	9.	5.	5.
	37.5	711.	486.	198.	79.	21.	19.	23.	17.	9.	7.
	35.0	757.	524.	225.	125.	24.	21.	28.	27.	19.	16.
	32.5	791.	560.	260.	149.	33.	23.	24.	26.	26.	25.
	30.0	839.	616.	321.	164.	72.	25.	22.	21.	23.	25.
	25.0	924.	716.	442.	240.	170.	87.	29.	22.	21.	22.
	20.0	948.	770.	527.	348.	224.	163.	117.	75.	47.	41.
	15.0	1010.	858.	679.	479.	348.	252.	209.	182.	161.	154.
	10.0	1056.	958.	792.	695.	555.	469.	405.	359.	333.	327.
	5.0	1089.	1039.	957.	887.	824.	786.	753.	731.	700.	674.
	0.0	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.

CONE OF MAXIMUM CANDELA

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	27
5- 10	79
10- 15	134
15- 20	190
20- 25	250
25- 30	312
30- 35	379
35- 40	461
40- 45	544
45- 50	617
50- 55	671
55- 60	767
60- 65	820
65- 70	802
70- 75	651
75- 80	323
80- 85	63
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	106
0- 20	430
0- 30	991
0- 40	1832
0- 50	2993
0- 60	4431
0- 70	6053
0- 80	7027
0- 90	7094
0-100	7094
0-110	7094
0-120	7094
0-130	7094
0-140	7094
0-150	7094
0-160	7094
0-170	7094
0-180	7094