

**REPORT NUMBER:** PRORATED FROM RAB04361

**PAGE:** 1 OF 10

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

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** ALED4T66N/480 - RWLED4T66N/480 - RWLED4T66SFN/480 -  
WPLED4T66N/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.

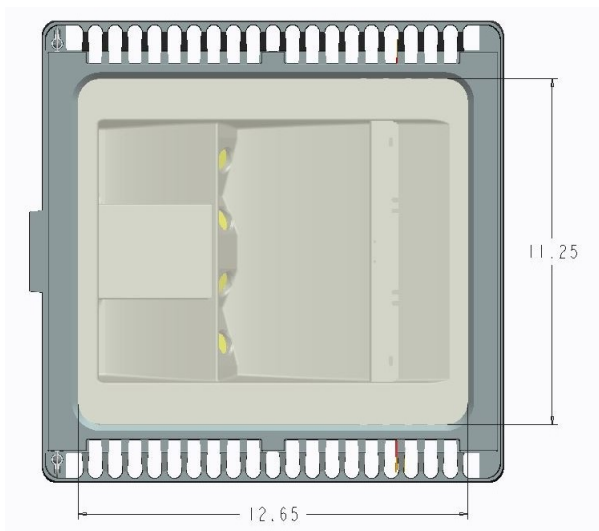
**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04361 WHICH WAS  
ALED4T125Y/480. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 66.6 W AT 480.0 VAC.

**LED DRIVER:** LED DRIVER: RD-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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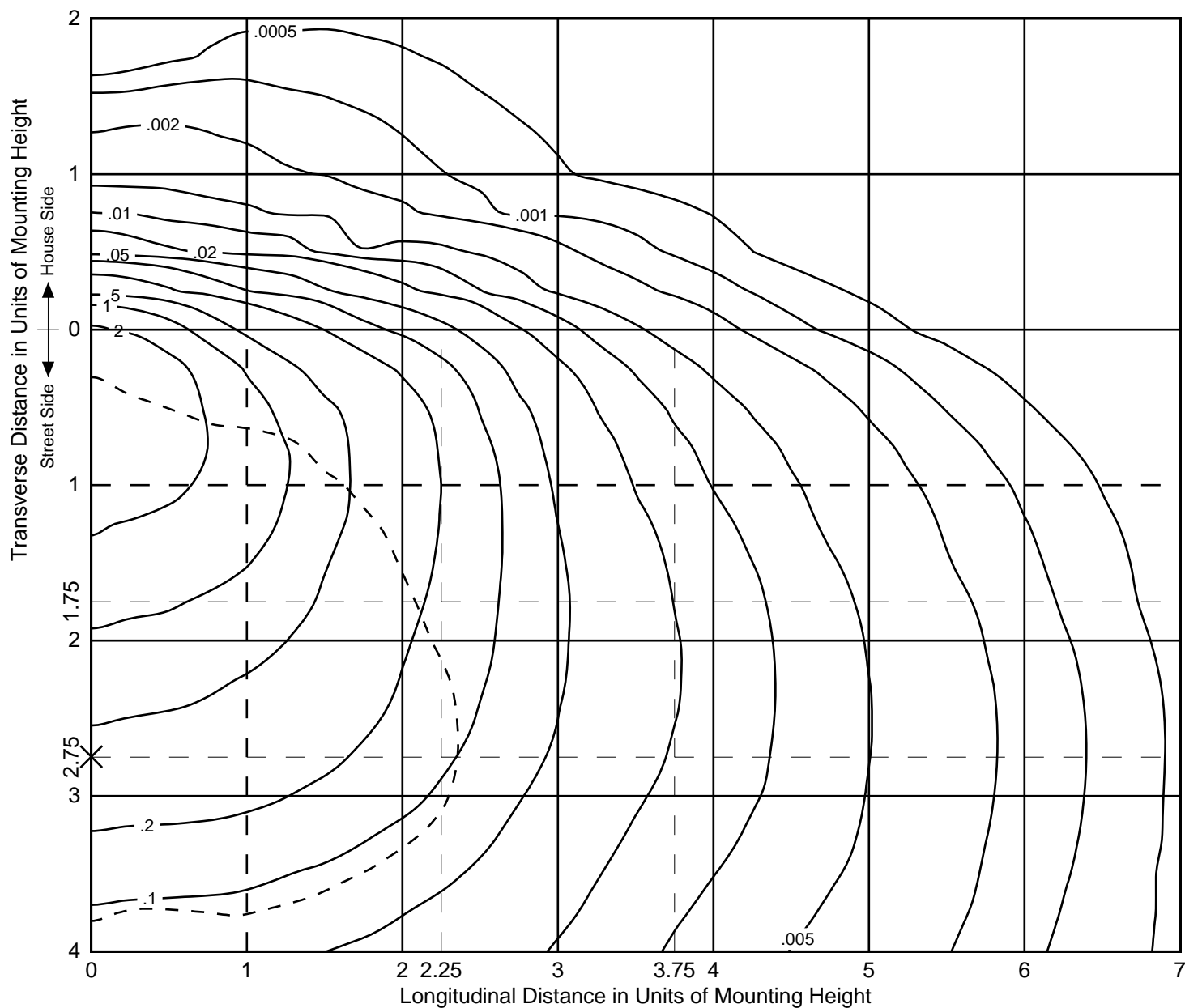
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION  
Values based on 25-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — - 1/2 Maximum Candela trace

✕ Maximum Candela point



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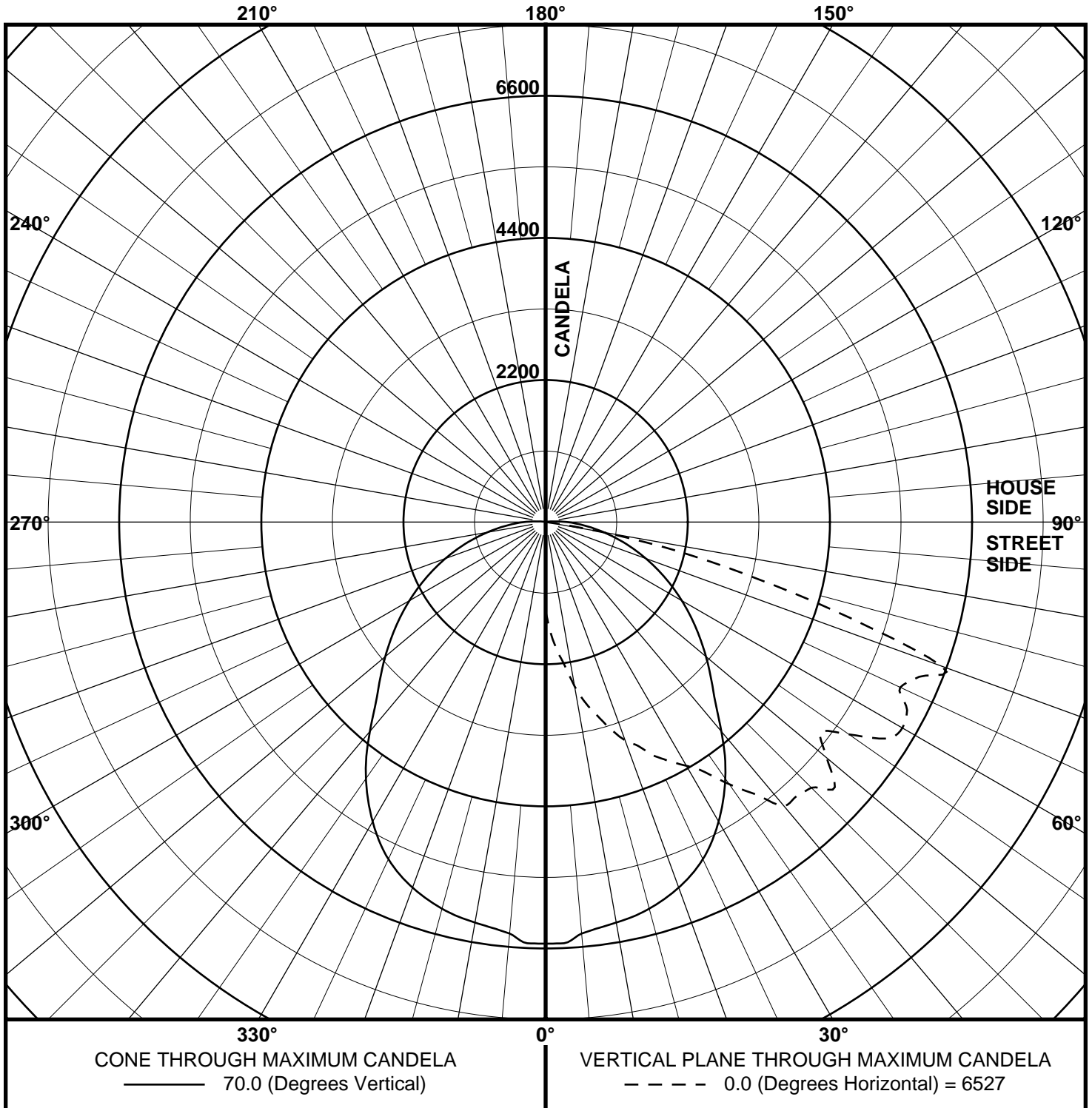
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**MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA**



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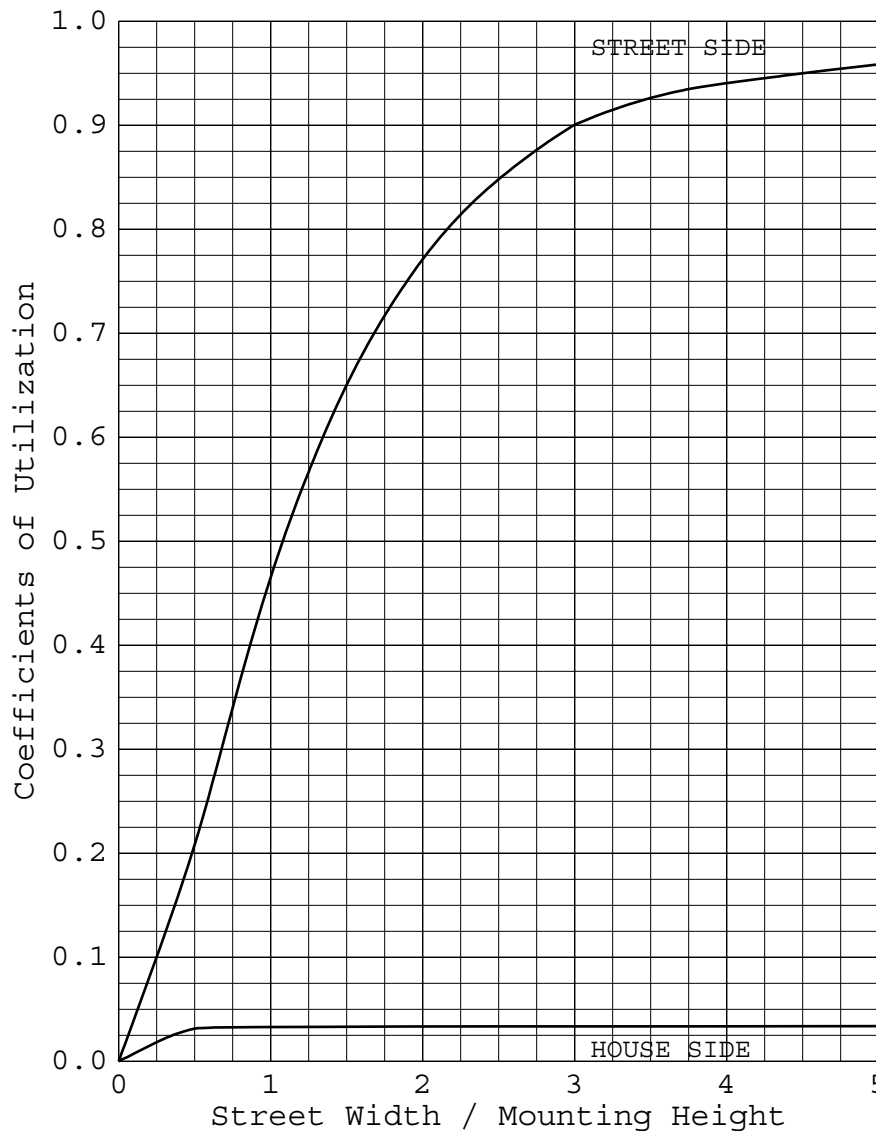
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	8439	96.5
DOWNWARD HOUSE SIDE	302	3.5
DOWNWARD TOTAL	8741	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	8741	100.0

EFFICACY = 131.2 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	G2
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		8439	96.5			
FL	(0° – 30°)	1057.3	12.1			
FM	(30° – 60°)	4129.9	47.2			
FH	(60° – 80°)	3172.0	36.3			G2
FVH	(80° – 90°)	79.3	0.9			G1
Backward		302	3.5			
BL	(0° – 30°)	164.3	1.9	B1		
BM	(30° – 60°)	108.3	1.2	B0		
BH	(60° – 80°)	26.0	0.3	B0		G0
BVH	(80° – 90°)	3.7	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		8741	100.0			

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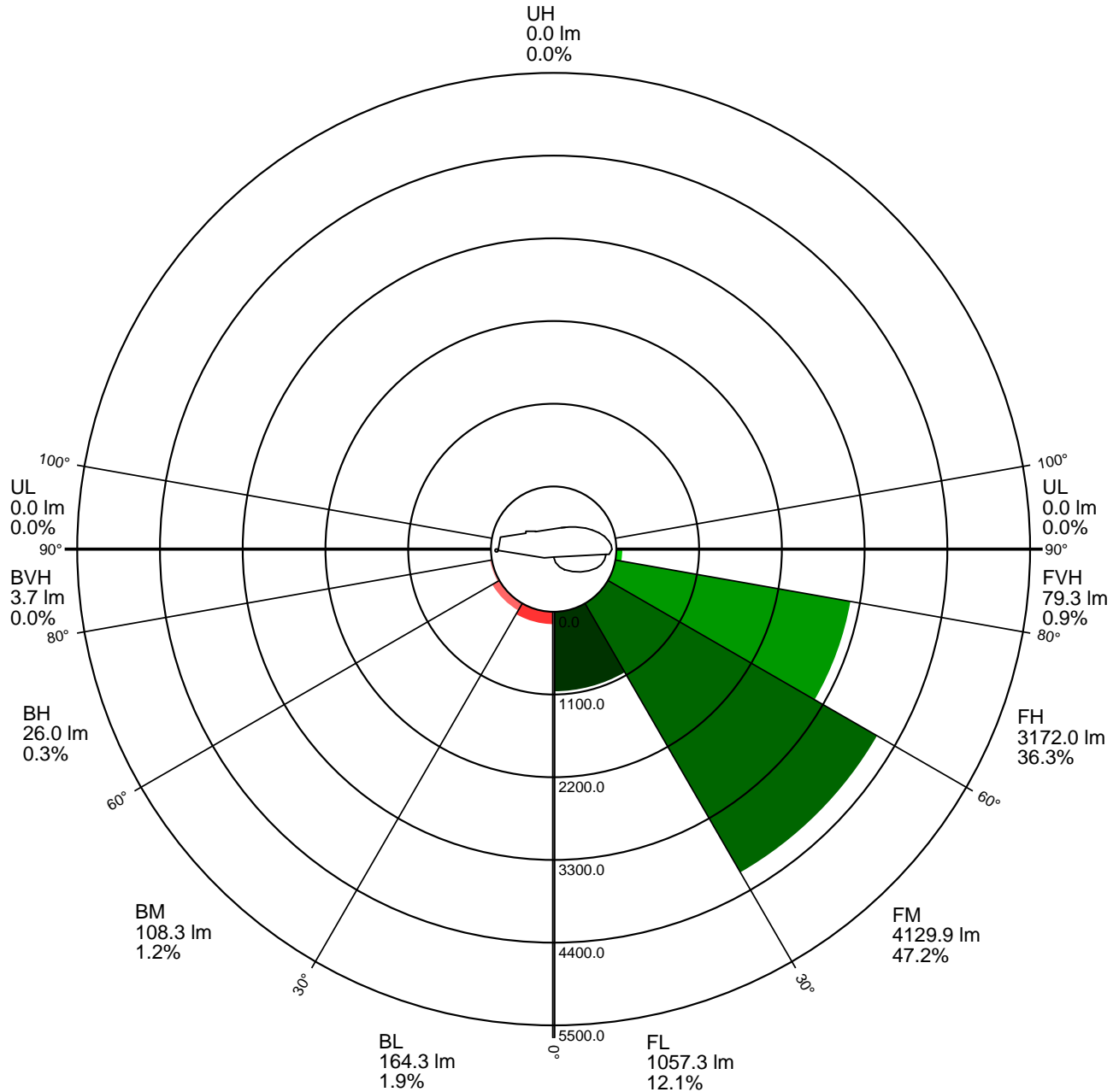
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## Zonal Lumen Summary

(Linear scale)



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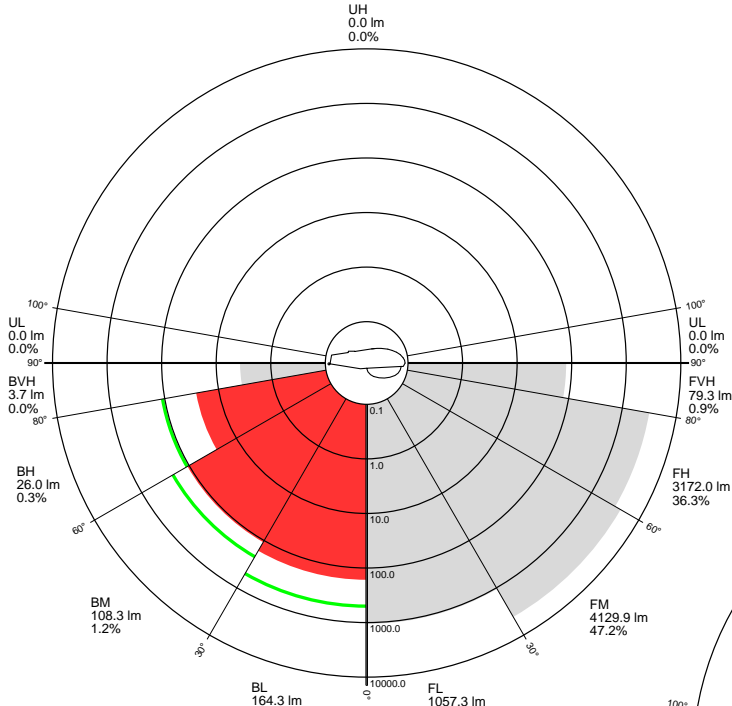
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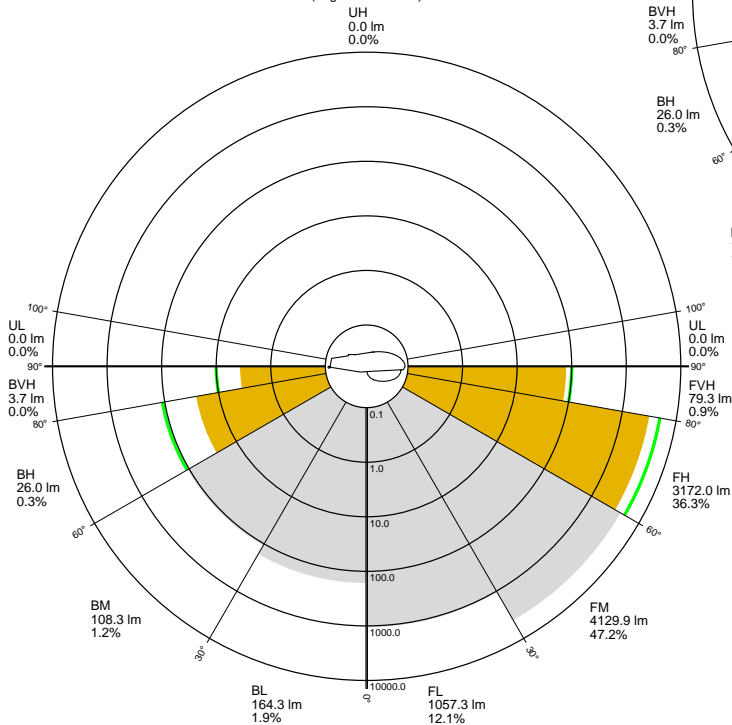
### Backlight Rating Details

(Logarithmic scale)



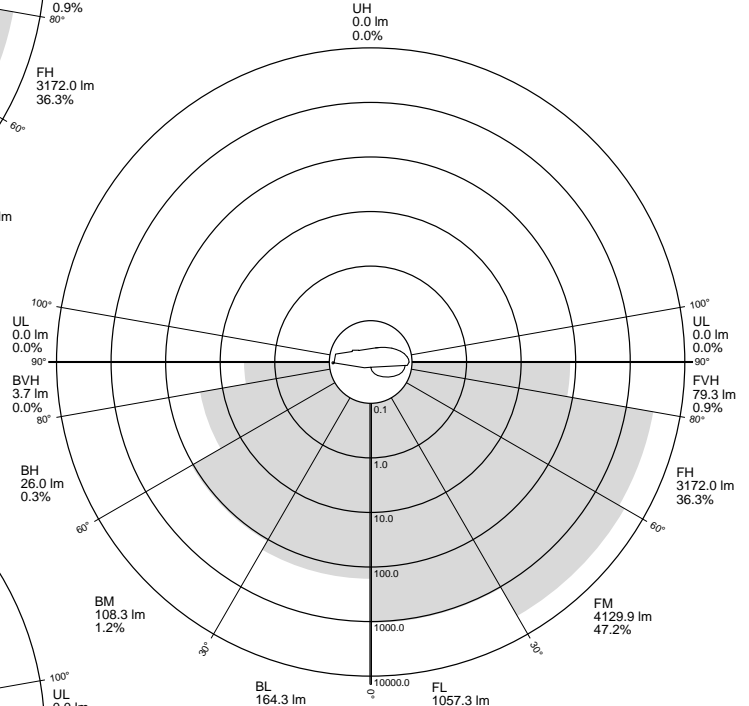
### Glare Rating Details

(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	10.	10.	9.	9.	8.	8.	9.	11.	11.	10.	11.
85.0	25.	24.	23.	51.	87.	65.	42.	34.	41.	17.	12.
V 82.5	90.	85.	77.	153.	263.	335.	296.	208.	134.	59.	22.
E 80.0	880.	847.	792.	997.	1159.	1050.	847.	791.	521.	248.	94.
R 77.5	2123.	2073.	2005.	2312.	2307.	2147.	1604.	1304.	856.	427.	182.
T 75.0	3395.	3327.	3224.	3558.	3607.	3545.	2771.	1770.	1075.	569.	264.
I 72.5	4942.	4855.	4705.	5151.	5260.	4538.	3393.	2301.	1436.	783.	386.
C 70.0<<	6527.	6527.	6396.	6197.	5758.	4850.	3663.	2833.	2039.	1274.	599.
A 67.5	6257.	6129.	6029.	5938.	5583.	5131.	3961.	3142.	2510.	1693.	887.
L 65.0	6055.	5985.	5834.	6000.	5661.	5280.	4132.	3384.	2716.	2015.	1067.
62.5	6307.	6191.	5962.	6066.	5709.	5488.	4553.	3429.	2743.	2164.	1086.
A 60.0	6375.	6176.	5886.	5852.	5742.	5692.	4962.	3702.	2707.	2128.	1005.
N 57.5	6238.	6018.	5689.	5541.	5452.	5059.	4864.	3983.	2729.	1994.	962.
G 55.0	5733.	5563.	5285.	5140.	5004.	4714.	4838.	4026.	2753.	1882.	985.
L 52.5	5359.	5264.	5053.	4886.	4833.	4579.	4496.	3718.	2690.	1803.	979.
E 50.0	5680.	5604.	5461.	5314.	5053.	4424.	4293.	3497.	2622.	1831.	1013.
47.5	6072.	6004.	5823.	5336.	4950.	4629.	3955.	3260.	2539.	1847.	1013.
45.0	5817.	5783.	5655.	5215.	5059.	4510.	3661.	3026.	2458.	1789.	1058.
42.5	5754.	5736.	5666.	5379.	4981.	4098.	3474.	2921.	2407.	1737.	1126.
40.0	5735.	5707.	5636.	5299.	4548.	3880.	3362.	2916.	2391.	1707.	1157.
37.5	5305.	5272.	5210.	4851.	4239.	3711.	3272.	2868.	2389.	1766.	1186.
35.0	4955.	4925.	4851.	4464.	4005.	3553.	3226.	2816.	2323.	1781.	1259.
32.5	4589.	4568.	4507.	4133.	3797.	3415.	3107.	2765.	2264.	1751.	1304.
30.0	4359.	4340.	4288.	3888.	3654.	3303.	2984.	2657.	2246.	1747.	1353.
25.0	3997.	3991.	3957.	3615.	3363.	3086.	2799.	2501.	2178.	1766.	1423.
20.0	3601.	3599.	3582.	3399.	3147.	2894.	2641.	2364.	2025.	1726.	1406.
15.0	3107.	3101.	3091.	2996.	2823.	2610.	2401.	2153.	1914.	1735.	1431.
10.0	2578.	2568.	2579.	2485.	2389.	2228.	2083.	1952.	1824.	1649.	1424.
5.0	1986.	1995.	1989.	1967.	1929.	1880.	1826.	1735.	1634.	1528.	1402.
0.0	1374.	1374.	1374.	1374.	1374.	1374.	1374.	1374.	1374.	1374.	1374.

||  
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.	11.	10.	10.	9.	9.	8.	6.	5.	5.
	85.0	11.	11.	10.	10.	9.	8.	7.	6.	4.	3.
V	82.5	16.	13.	11.	10.	9.	8.	7.	5.	3.	2.
E	80.0	38.	15.	12.	9.	8.	7.	6.	5.	3.	1.
R	77.5	73.	25.	13.	10.	8.	7.	6.	4.	3.	1.
T	75.0	137.	43.	13.	10.	8.	7.	6.	4.	2.	1.
I	72.5	206.	64.	13.	11.	8.	7.	5.	4.	2.	1.
C	70.0<<	327.	109.	15.	11.	9.	7.	5.	4.	2.	1.
A	67.5	491.	145.	20.	11.	10.	7.	5.	4.	2.	1.
L	65.0	595.	186.	27.	12.	10.	8.	5.	4.	2.	1.
	62.5	601.	221.	31.	12.	10.	8.	7.	4.	2.	1.
A	60.0	614.	268.	29.	24.	9.	8.	7.	6.	2.	1.
N	57.5	716.	303.	44.	25.	10.	8.	7.	7.	5.	3.
G	55.0	740.	354.	64.	23.	11.	9.	8.	7.	6.	5.
L	52.5	716.	397.	89.	22.	13.	9.	10.	8.	6.	6.
E	50.0	708.	392.	116.	24.	19.	10.	8.	11.	8.	6.
	47.5	701.	401.	134.	36.	24.	11.	8.	6.	5.	5.
	45.0	730.	446.	175.	39.	26.	14.	10.	6.	5.	5.
	42.5	804.	505.	213.	41.	27.	22.	10.	8.	5.	5.
	40.0	844.	557.	216.	60.	27.	25.	17.	11.	7.	6.
	37.5	876.	599.	244.	98.	25.	24.	28.	21.	12.	9.
	35.0	932.	646.	277.	154.	29.	25.	34.	33.	23.	19.
	32.5	975.	690.	321.	183.	40.	28.	29.	32.	31.	31.
	30.0	1034.	759.	395.	202.	88.	31.	27.	25.	28.	30.
	25.0	1139.	882.	544.	296.	209.	107.	36.	27.	26.	27.
	20.0	1167.	949.	649.	428.	276.	201.	144.	93.	58.	50.
	15.0	1245.	1058.	837.	590.	429.	310.	258.	225.	199.	190.
	10.0	1301.	1181.	976.	856.	684.	578.	499.	442.	410.	403.
	5.0	1341.	1281.	1180.	1093.	1015.	968.	928.	900.	862.	830.
	0.0	1374.	1374.	1374.	1374.	1374.	1374.	1374.	1374.	1374.	1374.

CONE OF MAXIMUM CANDELA

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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	33
5- 10	98
10- 15	165
15- 20	234
20- 25	308
25- 30	384
30- 35	467
35- 40	568
40- 45	671
45- 50	761
50- 55	827
55- 60	945
60- 65	1011
65- 70	988
70- 75	802
75- 80	398
80- 85	77
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	131
0- 20	530
0- 30	1222
0- 40	2257
0- 50	3688
0- 60	5460
0- 70	7458
0- 80	8658
0- 90	8741
0-100	8741
0-110	8741
0-120	8741
0-130	8741
0-140	8741
0-150	8741
0-160	8741
0-170	8741
0-180	8741