

**REPORT NUMBER:** PRORATED FROM RAB04292

**PAGE:** 1 OF 10

**ISSUE DATE:** 05/08/18

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** ALED3T125N - RWLED3T125N - RWLED3T125SFN - WPLED3T125N (TYPE III)

**LUMINAIRE:** CAST FINNED METAL HOUSING, 6 CIRCUIT BOARDS EACH WITH 1 LED, MOLDED 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 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.

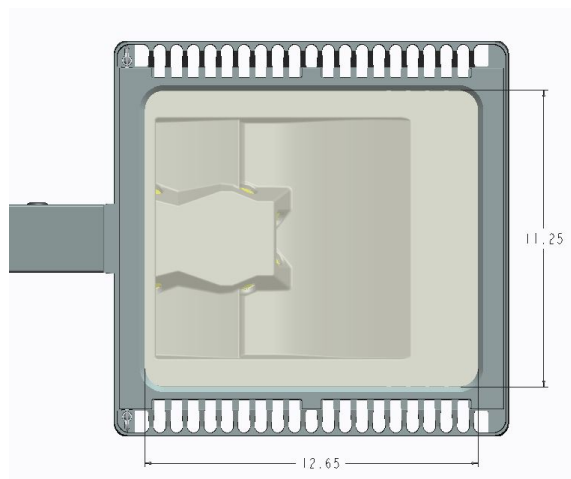
**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04292 WHICH WAS ALED3T125Y. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 137.9 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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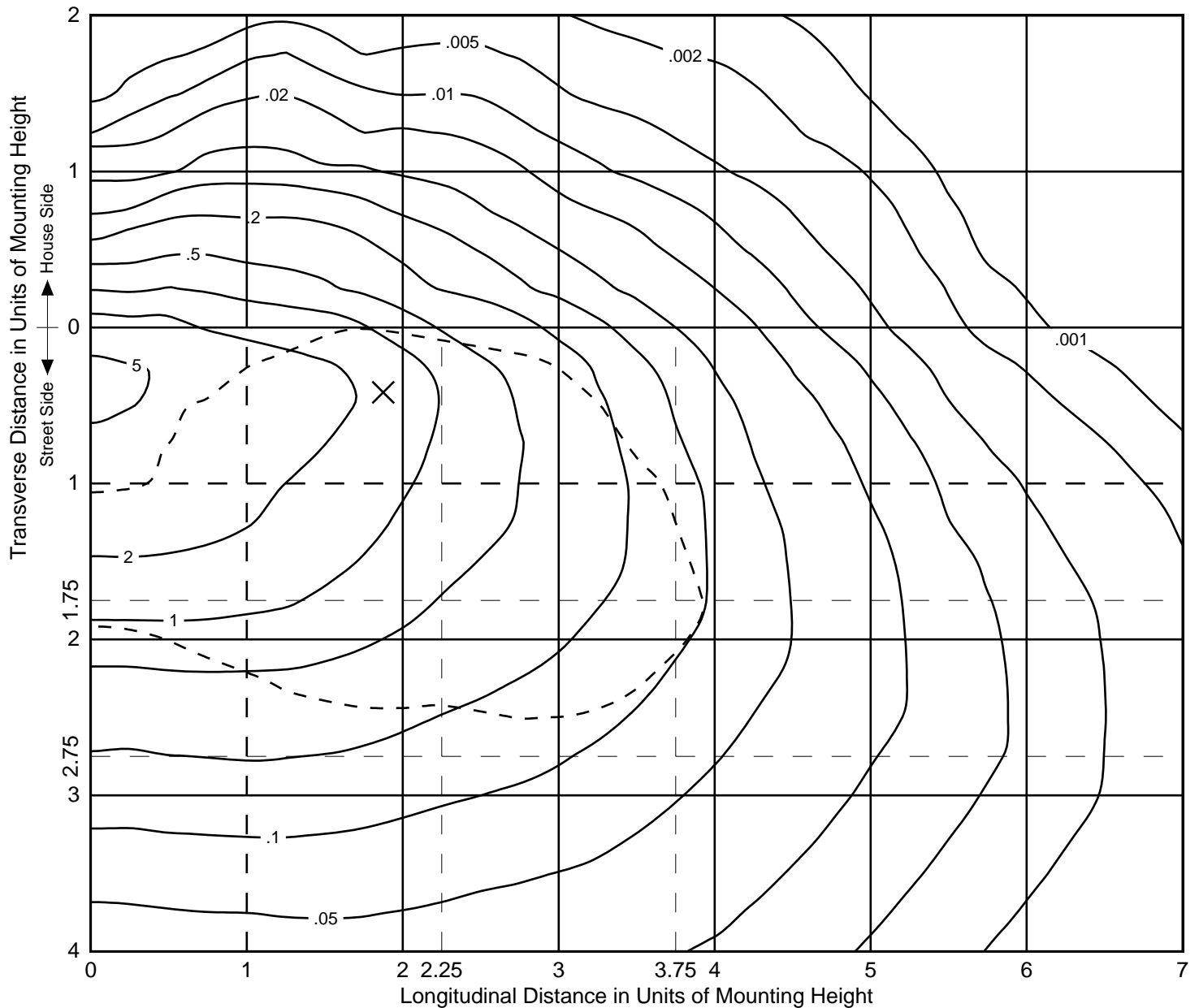
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION**  
Values based on 25-foot mounting height

IES Classification: Short, Type III

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point



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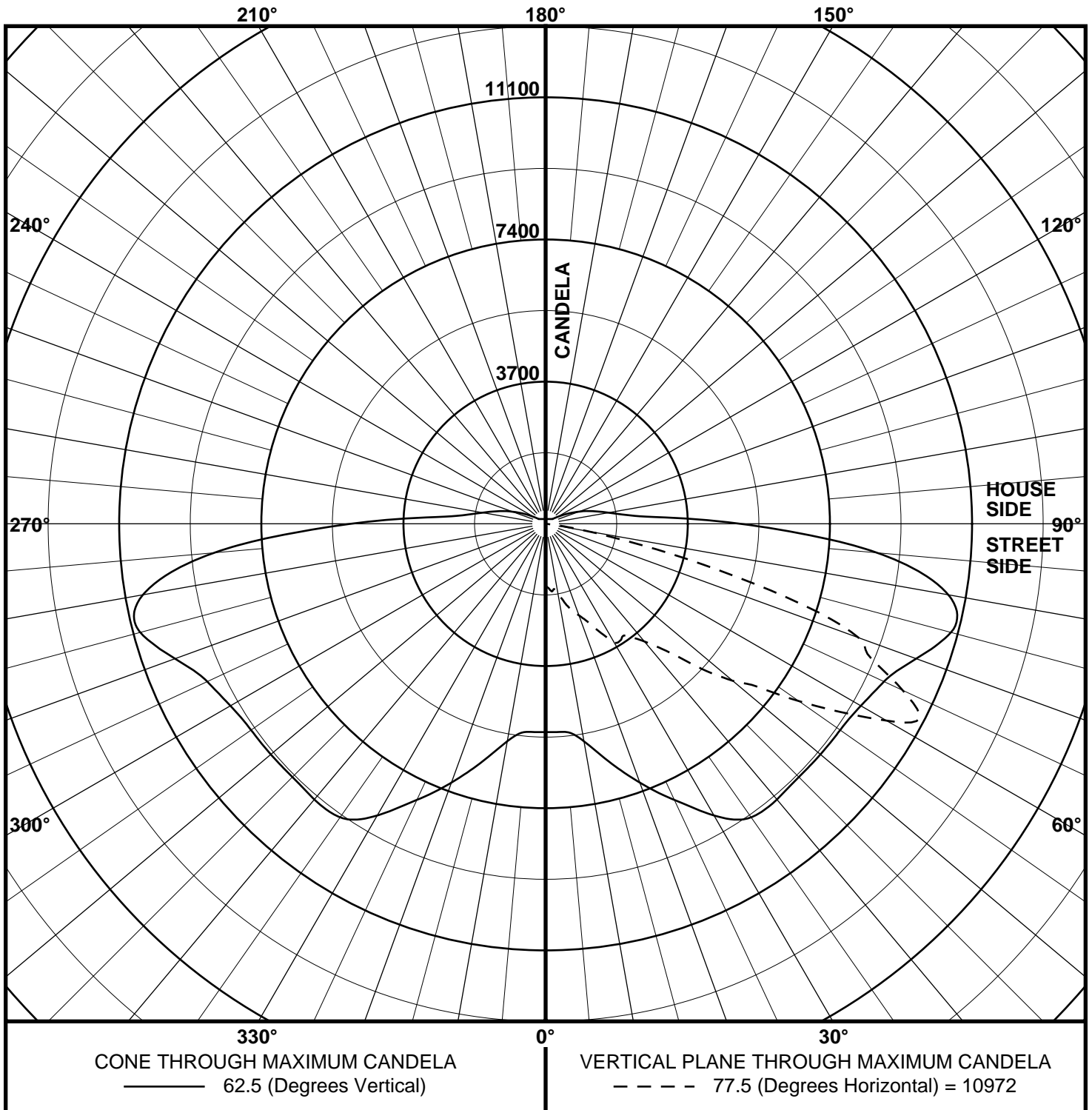
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**MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA**



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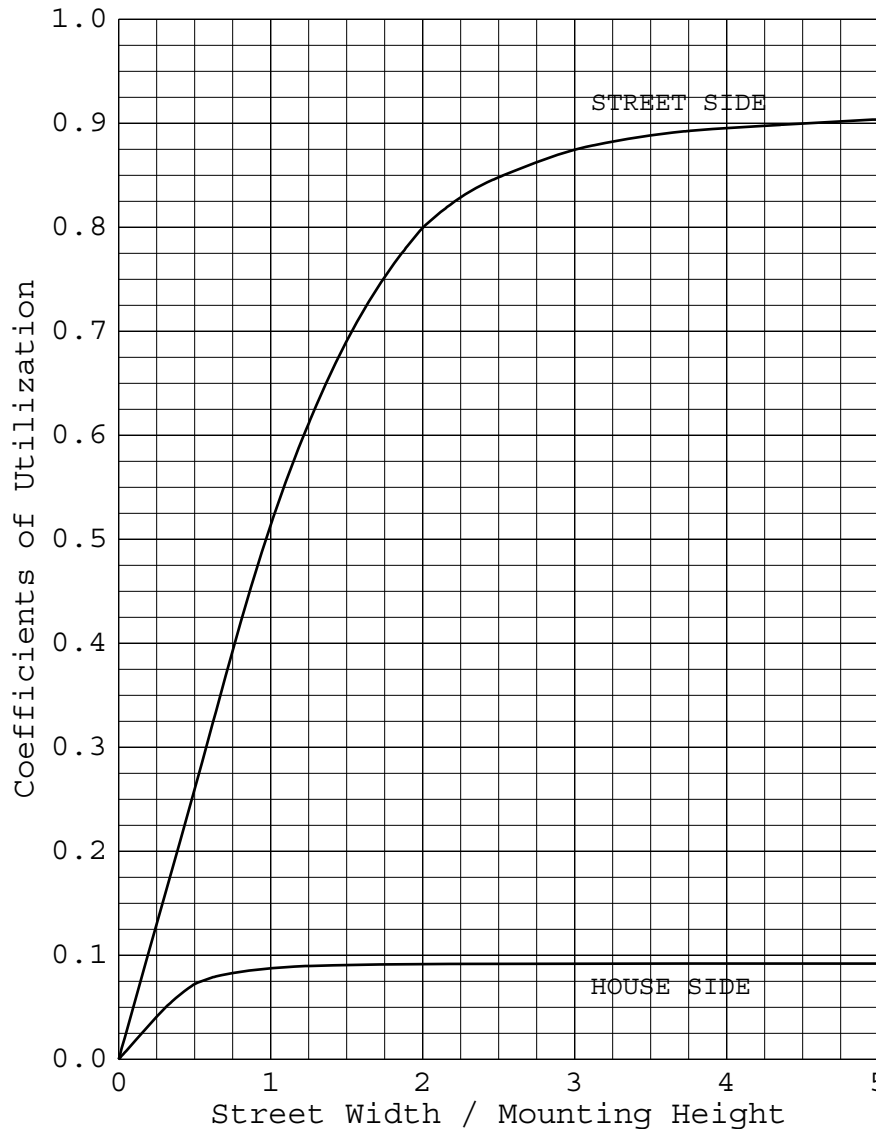
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	14751	90.7
DOWNWARD HOUSE SIDE	1506	9.3
DOWNWARD TOTAL	16258	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	16258	100.0

EFFICACY = 117.9 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°)	14751			
FM	(30° – 60°)	1504.1			
FH	(60° – 80°)	7022.4			
FVH	(80° – 90°)	6057.2			G3
		167.6			G2
Backward					
BL	(0° – 30°)	1506			
BM	(30° – 60°)	9.3			
BH	(60° – 80°)	363.9	B1		
BVH	(80° – 90°)	777.0	B1		
		359.0	B1		G1
		6.4			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		16258			
		100.0			

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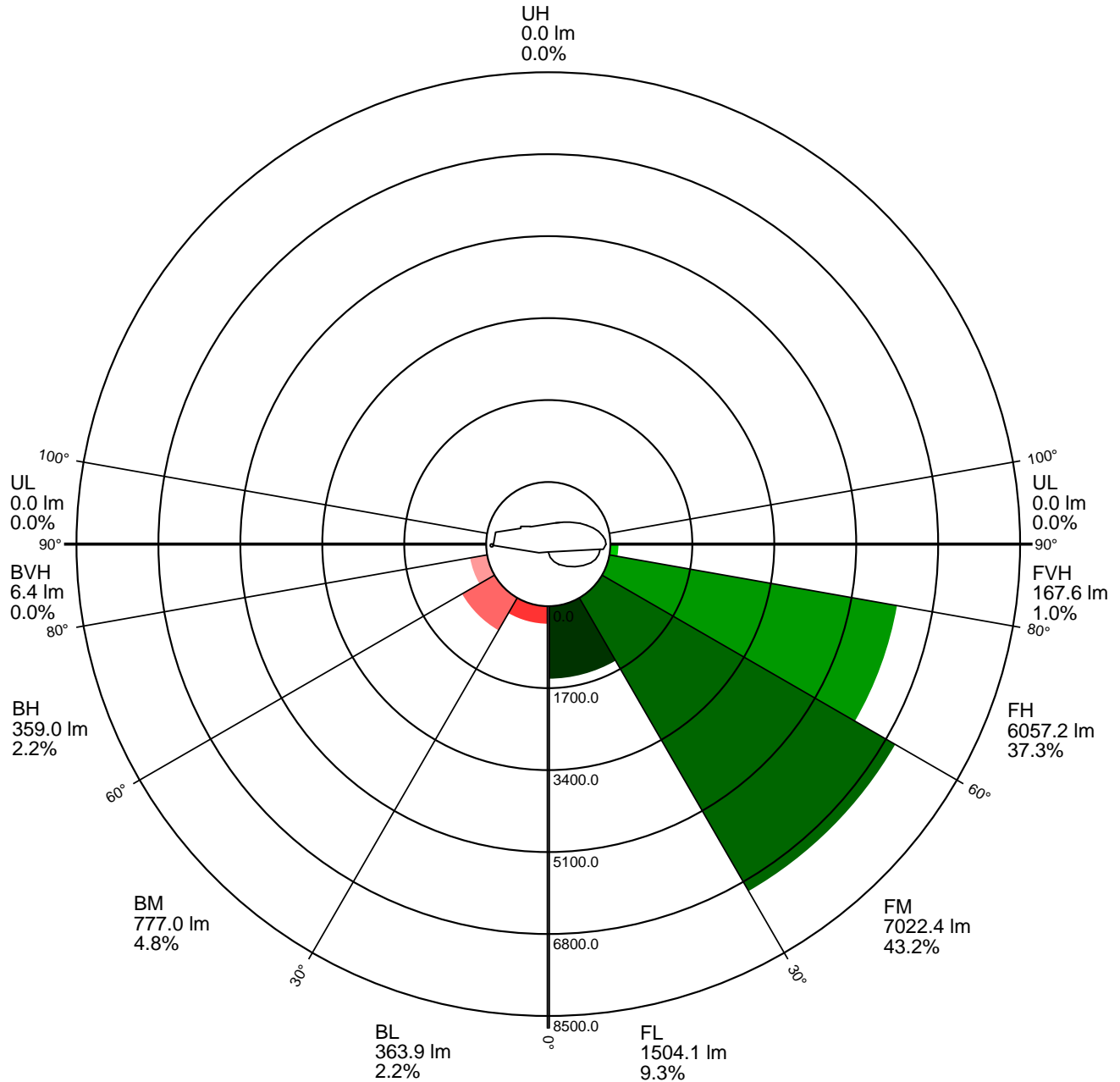
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## Zonal Lumen Summary

(Linear scale)



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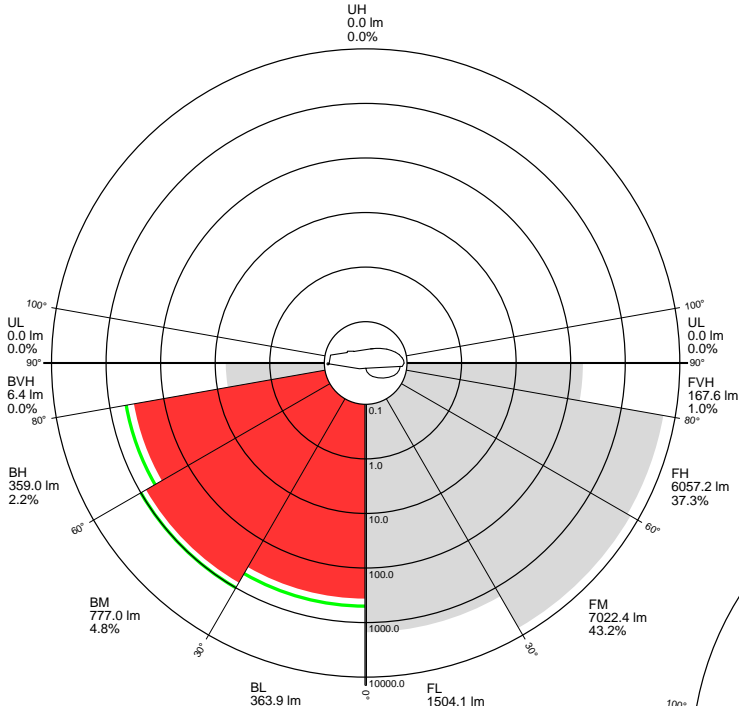
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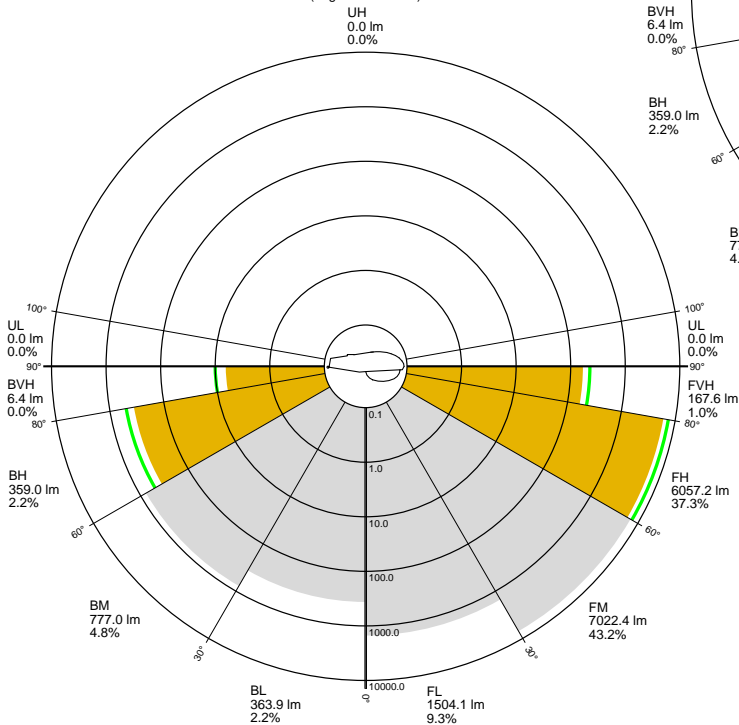
### Backlight Rating Details

(Logarithmic scale)



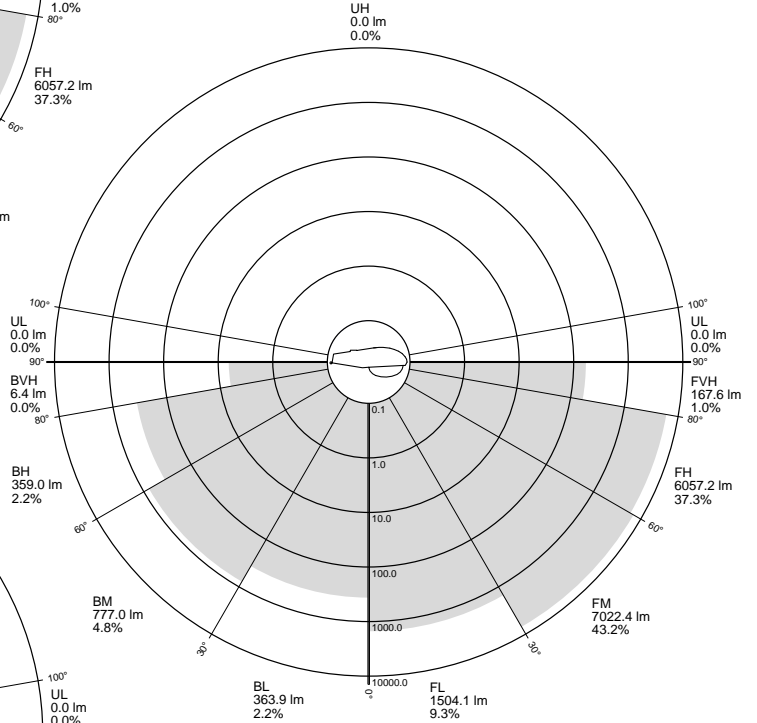
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

	STREET	LATERAL ANGLE										
		SIDE	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	77.5
	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	2.	2.	3.	6.	13.	17.	17.	15.	13.	13.	12.
	85.0	34.	32.	58.	79.	118.	116.	124.	176.	87.	56.	23.
V	82.5	106.	129.	279.	363.	538.	672.	626.	813.	536.	387.	118.
E	80.0	280.	344.	636.	986.	1381.	2156.	2437.	2634.	1467.	1115.	454.
R	77.5	834.	910.	1317.	2092.	2712.	3948.	4741.	5092.	3176.	2559.	1399.
T	75.0	1658.	1739.	2225.	2988.	3709.	5079.	6580.	7440.	5647.	4667.	3090.
I	72.5	2438.	2465.	3014.	3901.	4931.	5967.	7963.	9354.	7818.	7050.	5129.
C	70.0	2957.	2918.	3616.	4622.	6047.	8135.	8806.	10062.	9242.	8660.	6254.
A	67.5	3496.	3409.	4201.	5565.	7745.	9554.	9540.	9539.	9385.	9177.	6943.
L	65.0	4062.	4070.	5210.	6699.	8894.	9443.	9766.	10018.	10115.	10257.	7774.
	62.5<<	5420.	5435.	6417.	7929.	9326.	9322.	9359.	9717.	10924.	10972.	8666.
A	60.0	6773.	6769.	7712.	8631.	9260.	9245.	8763.	9401.	10472.	10252.	8190.
N	57.5	7348.	7432.	7682.	8073.	8516.	8370.	8167.	9620.	9409.	9121.	7299.
G	55.0	6777.	6815.	7085.	7453.	7460.	7696.	7970.	8837.	8340.	8046.	6220.
L	52.5	6435.	6445.	6487.	6593.	6638.	7214.	7823.	8377.	7272.	6984.	5222.
E	50.0	5999.	6027.	6048.	5845.	6115.	7035.	7573.	7846.	6662.	6356.	4638.
	47.5	5595.	5567.	5534.	5512.	5922.	6654.	6708.	6889.	6035.	5665.	4193.
	45.0	5262.	5272.	5239.	5487.	5751.	6222.	6294.	6070.	5384.	4909.	3630.
	42.5	5166.	5208.	5274.	5623.	5531.	5852.	5879.	5463.	4746.	4373.	3282.
	40.0	5051.	5086.	5206.	5670.	5198.	5682.	5446.	5040.	4256.	3996.	3019.
	37.5	4932.	4978.	5183.	5517.	5333.	5490.	5099.	4897.	3988.	3731.	2819.
	35.0	5110.	5139.	5128.	5286.	5287.	5146.	4983.	4826.	3822.	3552.	2733.
	32.5	5417.	5356.	5065.	5087.	5129.	4814.	4788.	4714.	3887.	3610.	2708.
	30.0	5331.	5317.	4931.	4878.	4789.	4576.	4573.	4462.	3779.	3553.	2714.
	25.0	4985.	5002.	4543.	4322.	4300.	4318.	4200.	3752.	3163.	2964.	2342.
	20.0	4716.	4729.	4477.	4139.	4064.	3932.	3615.	3242.	2694.	2538.	2063.
	15.0	4201.	4236.	4135.	3812.	3548.	3260.	3061.	2761.	2338.	2221.	1896.
	10.0	3480.	3482.	3454.	3288.	3030.	2739.	2461.	2181.	1901.	1838.	1667.
	5.0	2518.	2518.	2481.	2432.	2315.	2232.	2083.	1938.	1803.	1766.	1679.
	0.0	1616.	1616.	1616.	1616.	1616.	1616.	1616.	1616.	1616.	1616.	1616.

||  
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	13.	12.	12.	12.	11.	10.	8.	6.	6.	6.
	85.0	17.	14.	13.	12.	10.	9.	8.	6.	5.	5.
V	82.5	41.	29.	19.	15.	11.	9.	7.	6.	5.	6.
E	80.0	198.	116.	59.	46.	13.	8.	7.	6.	5.	6.
R	77.5	759.	450.	165.	88.	16.	9.	7.	6.	6.	7.
T	75.0	1860.	811.	291.	110.	49.	14.	8.	6.	8.	8.
I	72.5	2963.	1349.	389.	178.	111.	36.	10.	7.	9.	10.
C	70.0	3824.	1780.	711.	293.	124.	46.	20.	8.	9.	10.
A	67.5	4113.	1943.	981.	401.	133.	62.	45.	13.	11.	12.
L	65.0	4521.	1870.	1055.	493.	170.	104.	87.	28.	14.	13.
	62.5<<	5067.	2334.	1278.	611.	218.	164.	100.	38.	20.	14.
A	60.0	5381.	2522.	1484.	710.	265.	210.	104.	46.	26.	18.
N	57.5	5068.	2629.	1496.	875.	310.	222.	116.	53.	29.	16.
G	55.0	4422.	2523.	1423.	937.	354.	234.	133.	64.	32.	15.
L	52.5	3818.	2453.	1345.	846.	413.	259.	147.	73.	40.	18.
E	50.0	3440.	2474.	1285.	825.	480.	286.	159.	79.	46.	52.
	47.5	3112.	2325.	1280.	848.	554.	307.	178.	87.	54.	75.
	45.0	2771.	2163.	1302.	858.	582.	344.	210.	98.	69.	57.
	42.5	2546.	2034.	1314.	844.	628.	377.	230.	127.	77.	55.
	40.0	2379.	1948.	1307.	828.	687.	411.	247.	152.	110.	93.
	37.5	2300.	1939.	1355.	830.	684.	438.	279.	163.	125.	110.
	35.0	2320.	1991.	1430.	883.	674.	468.	327.	196.	137.	112.
	32.5	2300.	2018.	1472.	924.	676.	525.	368.	230.	162.	127.
	30.0	2225.	1963.	1469.	1001.	681.	546.	386.	264.	202.	170.
	25.0	2018.	1797.	1420.	1141.	732.	516.	391.	289.	231.	228.
	20.0	1807.	1627.	1303.	1099.	869.	617.	461.	348.	307.	291.
	15.0	1708.	1597.	1372.	1169.	1004.	834.	711.	630.	599.	606.
	10.0	1562.	1489.	1345.	1201.	1090.	1033.	990.	928.	859.	823.
	5.0	1631.	1591.	1495.	1410.	1331.	1256.	1203.	1162.	1114.	1097.
	0.0	1616.	1616.	1616.	1616.	1616.	1616.	1616.	1616.	1616.	1616.

CONE OF MAXIMUM CANDELA

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	40
5- 10	129
10- 15	236
15- 20	355
20- 25	480
25- 30	627
30- 35	783
35- 40	914
40- 45	1082
45- 50	1325
50- 55	1648
55- 60	2047
60- 65	2187
65- 70	1953
70- 75	1503
75- 80	773
80- 85	164
85- 90	10
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	169
0- 20	760
0- 30	1868
0- 40	3565
0- 50	5972
0- 60	9667
0- 70	13808
0- 80	16084
0- 90	16258
0-100	16258
0-110	16258
0-120	16258
0-130	16258
0-140	16258
0-150	16258
0-160	16258
0-170	16258
0-180	16258