

**REPORT NUMBER:** PRORATED FROM RAB04367

**PAGE:** 1 OF 10

**ISSUE DATE:** 05/09/19

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** ALED3T105/480 - RWLED3T105/480 - RWLED3T105SF/480 -  
WPLED3T105/480 (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.

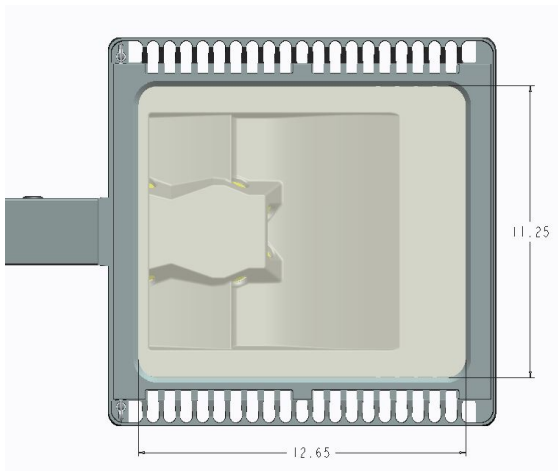
**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04367 WHICH WAS  
ALED3T105Y/480. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 108.9 W AT 480.0 VAC.

**LED DRIVER:** LED DRIVER: 2 x 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

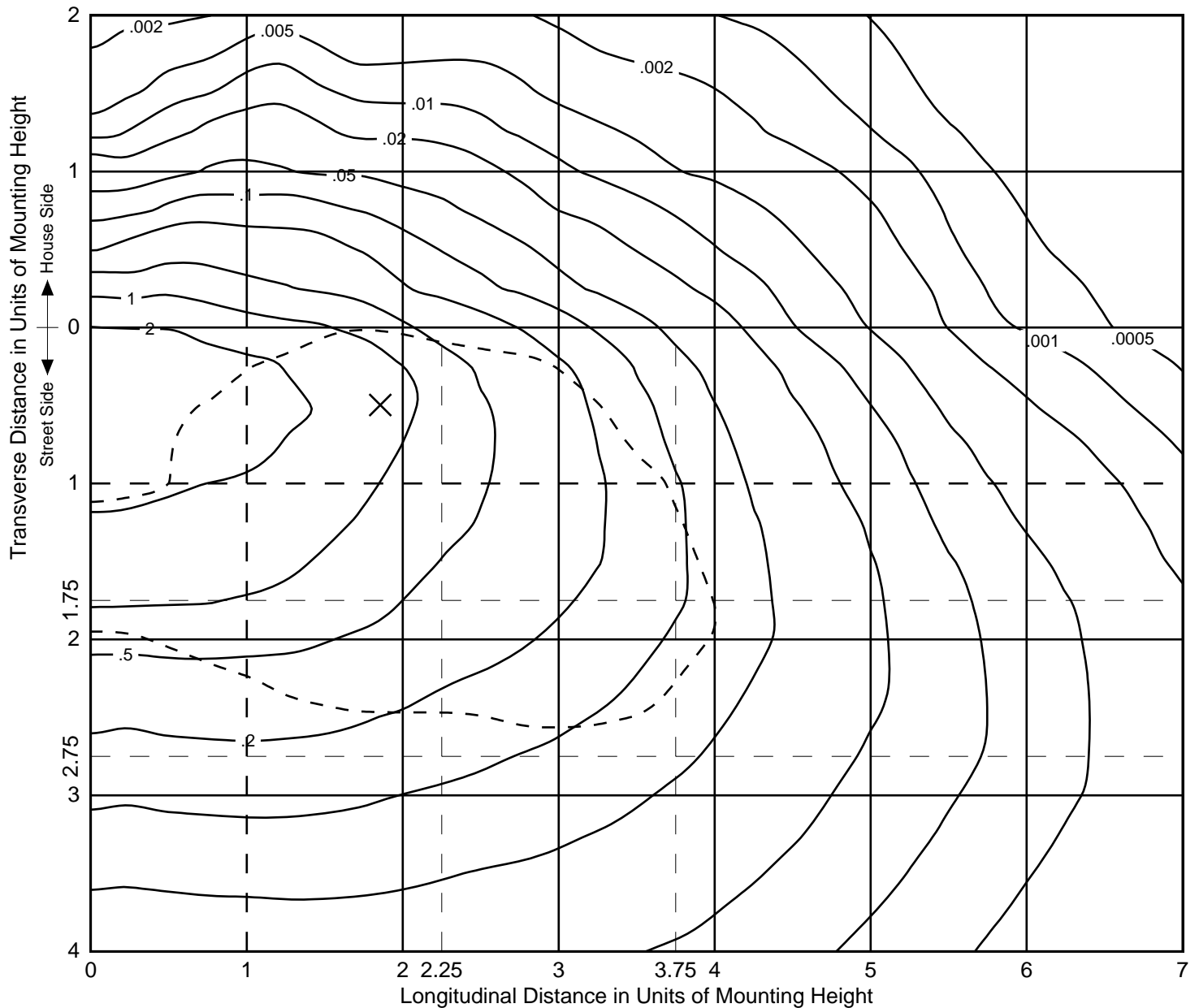
Values based on 25-foot mounting height

IES Classification: Short, Type III

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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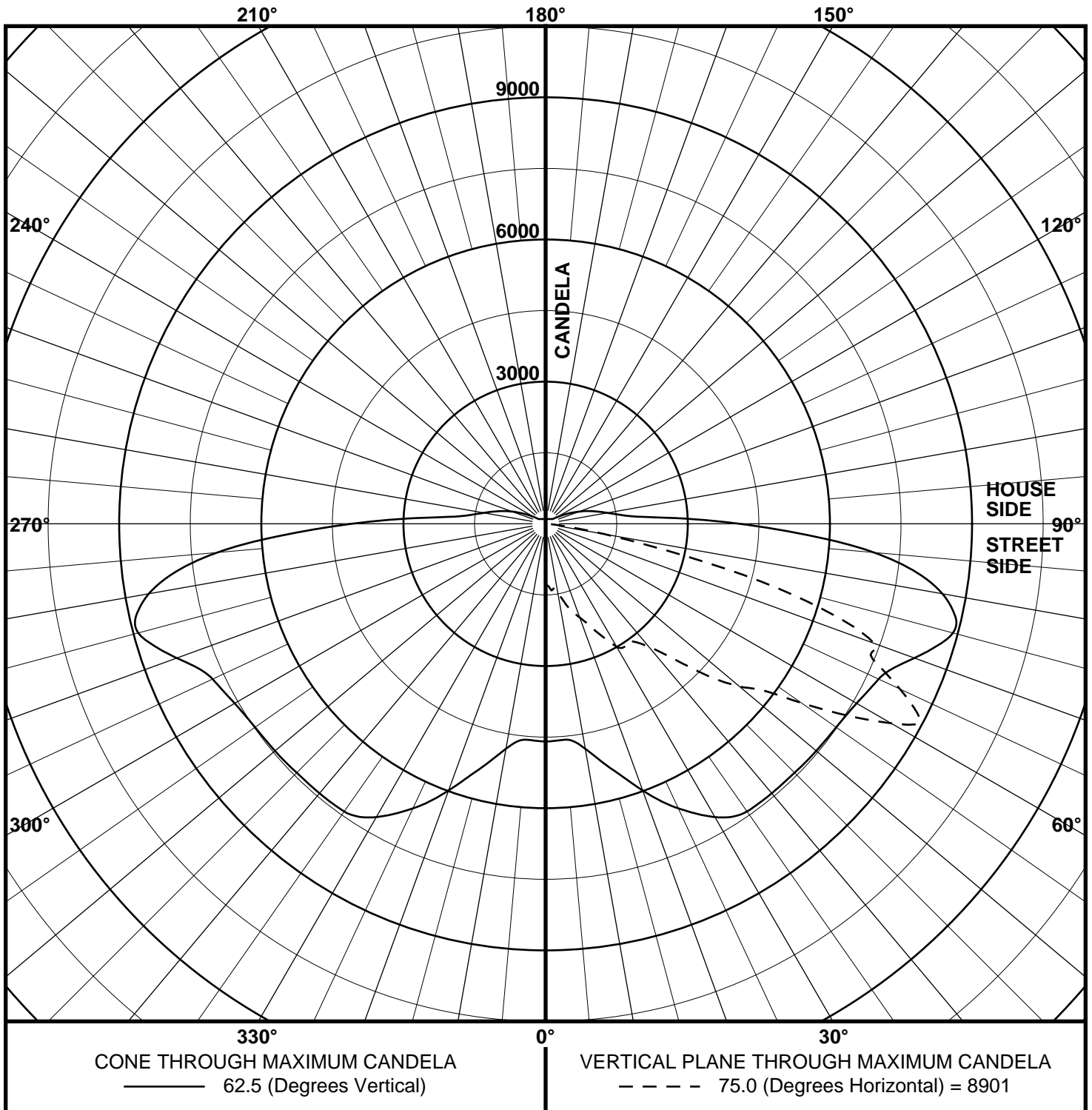
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**MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA**



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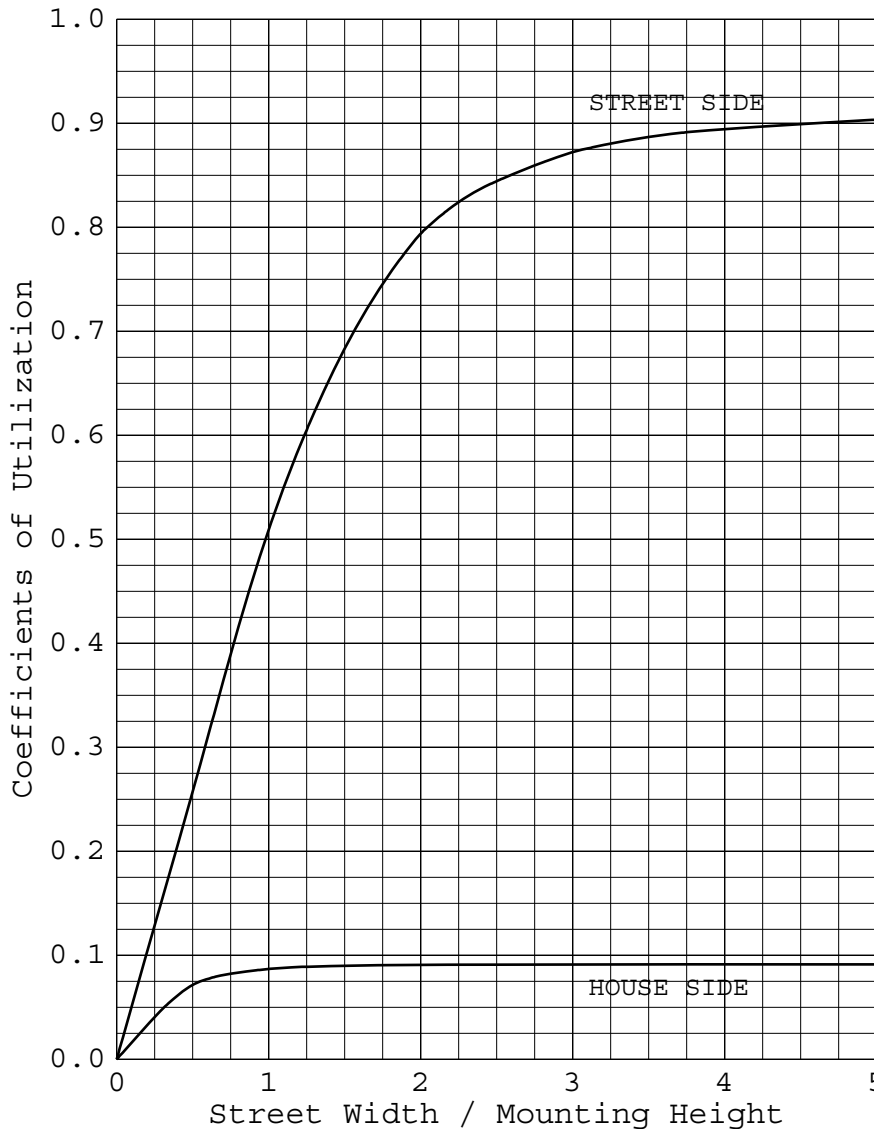
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	11860	90.8
DOWNWARD HOUSE SIDE	1199	9.2
DOWNWARD TOTAL	13059	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	13059	100.0

EFFICACY = 119.9 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 G2		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	11860			
FM	(30° – 60°)	1192.0			
FH	(60° – 80°)	5551.8			
FVH	(80° – 90°)	4958.9			G2
		157.5			G2
Backward					
BL	(0° – 30°)	1199			
BM	(30° – 60°)	289.6	B1		
BH	(60° – 80°)	620.3	B1		
BVH	(80° – 90°)	284.3	B1		G1
		5.0			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		13059			
		100.0			

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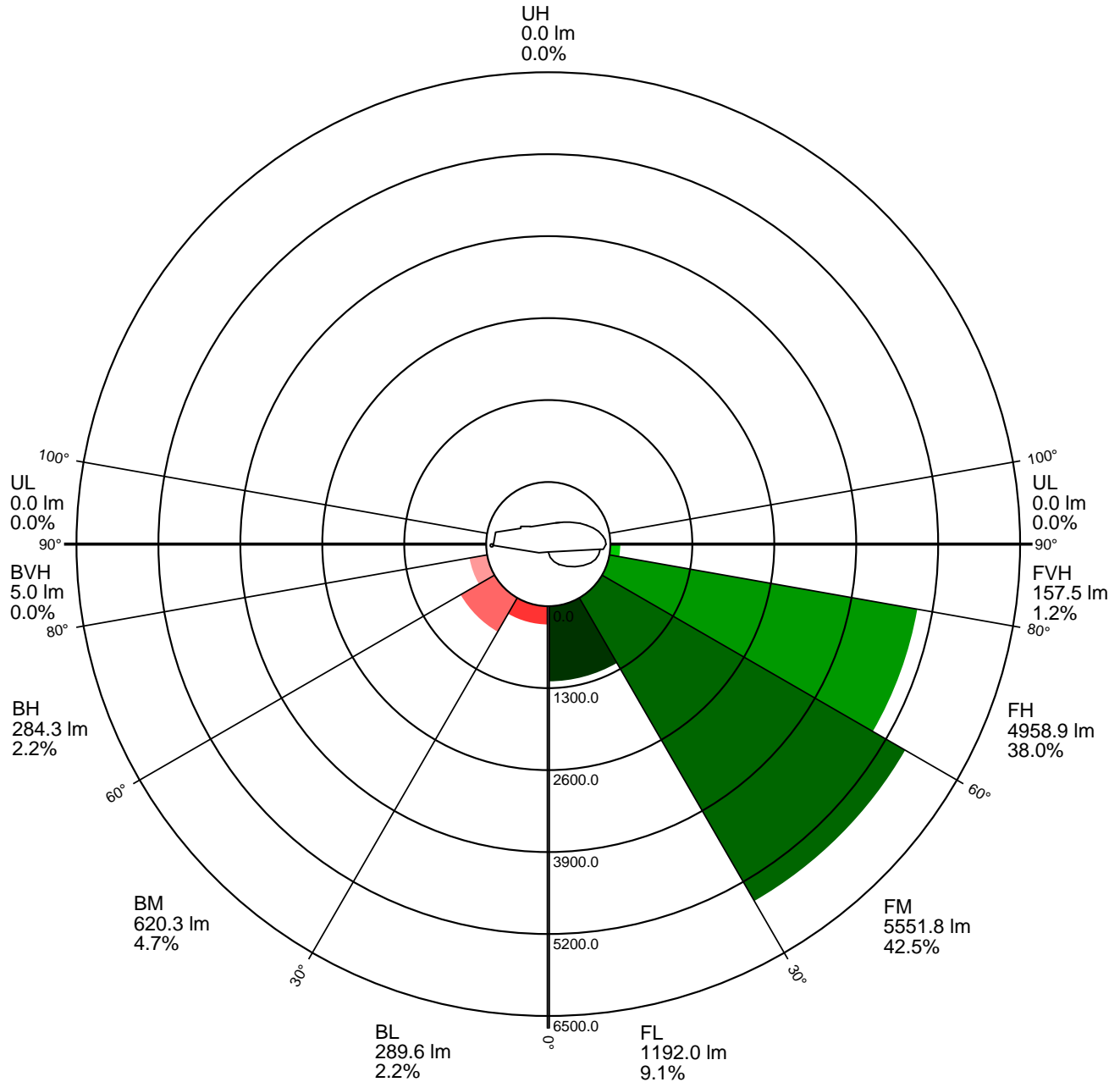
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## Zonal Lumen Summary

(Linear scale)



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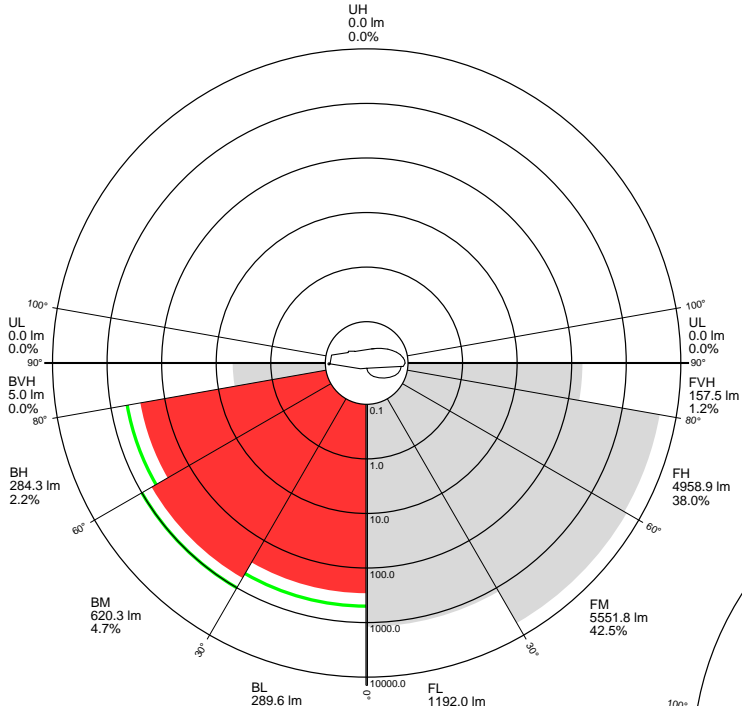
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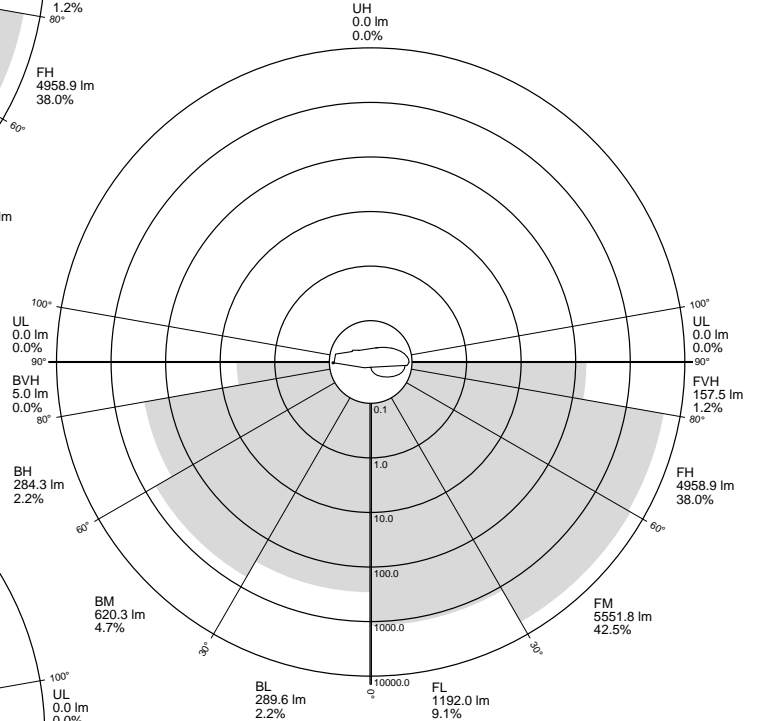
### Backlight Rating Details

(Logarithmic scale)



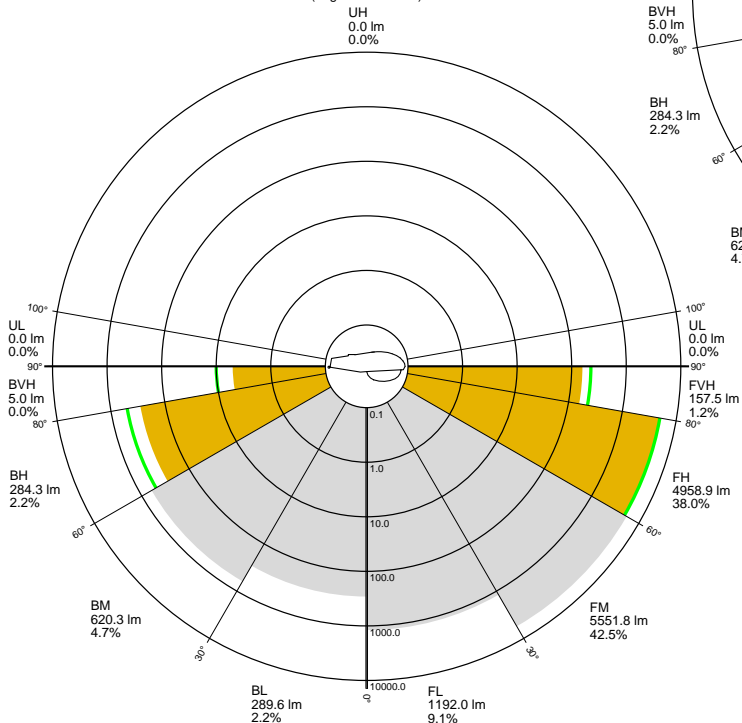
### Uplight Rating Details

(Logarithmic scale)



### Glare Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

	STREET	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	3.	3.	6.	6.	16.	17.	15.	13.	11.	11.	10.
	85.0	34.	31.	65.	92.	146.	138.	146.	182.	107.	78.	23.
V	82.5	114.	115.	297.	364.	572.	646.	623.	749.	481.	320.	100.
E	80.0	268.	304.	578.	889.	1317.	1937.	2230.	2281.	1257.	923.	373.
R	77.5	760.	774.	1174.	1792.	2372.	3299.	4157.	4341.	2660.	2098.	1173.
T	75.0	1510.	1497.	1893.	2503.	3149.	4170.	5546.	6255.	4701.	3883.	2520.
I	72.5	2040.	2012.	2476.	3195.	4065.	4964.	6547.	7702.	6339.	5677.	4145.
C	70.0	2490.	2398.	2950.	3823.	5044.	6817.	7196.	8064.	7376.	6971.	5046.
A	67.5	2904.	2789.	3479.	4628.	6444.	7684.	7742.	7672.	7477.	7323.	5489.
L	65.0	3485.	3464.	4414.	5592.	7235.	7505.	7799.	8063.	8247.	8249.	6198.
	62.5<<	4595.	4573.	5349.	6627.	7411.	7430.	7486.	7754.	8901.	8839.	6958.
A	60.0	5648.	5630.	6216.	6812.	7367.	7272.	6969.	7608.	8415.	8297.	6531.
N	57.5	5766.	5800.	5960.	6231.	6633.	6586.	6470.	7757.	7523.	7317.	5805.
G	55.0	5302.	5327.	5496.	5744.	5795.	6046.	6335.	7072.	6589.	6392.	4925.
L	52.5	4962.	4984.	5003.	5070.	5151.	5698.	6314.	6714.	5767.	5547.	4154.
E	50.0	4673.	4715.	4654.	4573.	4803.	5602.	5960.	6283.	5342.	5039.	3713.
	47.5	4374.	4358.	4334.	4332.	4687.	5332.	5275.	5454.	4839.	4504.	3361.
	45.0	4108.	4129.	4118.	4292.	4519.	4919.	5017.	4818.	4249.	3886.	2914.
	42.5	4063.	4086.	4165.	4422.	4379.	4632.	4658.	4335.	3747.	3472.	2622.
	40.0	3997.	4025.	4124.	4580.	4055.	4493.	4294.	4004.	3385.	3174.	2393.
	37.5	3953.	3951.	4115.	4348.	4189.	4349.	4024.	3916.	3153.	2975.	2239.
	35.0	4092.	4110.	4059.	4211.	4151.	4075.	3963.	3846.	3030.	2821.	2177.
	32.5	4287.	4261.	4010.	4047.	4045.	3816.	3809.	3755.	3084.	2861.	2144.
	30.0	4221.	4217.	3913.	3894.	3769.	3630.	3663.	3552.	2993.	2795.	2119.
	25.0	3986.	4000.	3612.	3451.	3422.	3443.	3335.	2975.	2495.	2340.	1855.
	20.0	3759.	3786.	3576.	3315.	3237.	3134.	2835.	2558.	2106.	2000.	1622.
	15.0	3342.	3375.	3269.	3020.	2796.	2591.	2395.	2176.	1814.	1740.	1484.
	10.0	2715.	2741.	2708.	2587.	2368.	2143.	1903.	1703.	1480.	1441.	1308.
	5.0	1959.	1970.	1928.	1885.	1800.	1728.	1626.	1514.	1408.	1382.	1321.
	0.0	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.

||  
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA



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### CANDELA TABULATION

	LATERAL ANGLE										
	HOUSE SIDE	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	10.	10.	9.	9.	9.	8.	7.	5.	4.	4.
	85.0	13.	11.	11.	9.	8.	7.	6.	4.	4.	4.
V	82.5	32.	20.	15.	11.	8.	7.	6.	4.	4.	4.
E	80.0	157.	96.	50.	36.	9.	6.	5.	4.	4.	4.
R	77.5	622.	391.	128.	69.	11.	6.	5.	4.	4.	5.
T	75.0	1527.	648.	226.	87.	36.	9.	6.	5.	5.	6.
I	72.5	2393.	1007.	319.	141.	91.	29.	7.	5.	7.	7.
C	70.0	3074.	1417.	559.	234.	98.	35.	16.	5.	7.	7.
A	67.5	3206.	1510.	770.	329.	107.	47.	34.	8.	8.	8.
L	65.0	3535.	1479.	836.	389.	132.	83.	67.	20.	10.	10.
	62.5<<	4089.	1826.	1033.	497.	172.	132.	79.	30.	15.	10.
A	60.0	4261.	2008.	1177.	547.	214.	168.	85.	37.	21.	14.
N	57.5	4058.	2054.	1201.	697.	249.	180.	93.	42.	22.	12.
G	55.0	3519.	1964.	1134.	741.	284.	189.	107.	51.	25.	11.
L	52.5	3030.	1935.	1084.	671.	328.	207.	116.	57.	32.	13.
E	50.0	2732.	1976.	1018.	672.	383.	232.	124.	61.	36.	40.
	47.5	2464.	1882.	1026.	691.	461.	246.	143.	67.	41.	64.
	45.0	2216.	1758.	1040.	696.	474.	277.	169.	74.	52.	46.
	42.5	2032.	1631.	1039.	685.	511.	303.	184.	98.	58.	41.
	40.0	1897.	1560.	1034.	668.	556.	332.	198.	119.	83.	71.
	37.5	1836.	1552.	1067.	662.	559.	353.	223.	128.	97.	85.
	35.0	1848.	1600.	1133.	707.	551.	375.	260.	154.	106.	87.
	32.5	1839.	1623.	1173.	742.	540.	429.	292.	183.	124.	97.
	30.0	1782.	1572.	1191.	796.	542.	451.	309.	211.	157.	131.
	25.0	1608.	1443.	1155.	902.	576.	415.	314.	231.	183.	181.
	20.0	1433.	1300.	1047.	882.	684.	487.	358.	279.	243.	232.
	15.0	1348.	1272.	1087.	936.	795.	655.	547.	498.	470.	477.
	10.0	1231.	1175.	1064.	947.	872.	828.	795.	745.	689.	650.
	5.0	1281.	1247.	1181.	1119.	1055.	1003.	962.	918.	889.	867.
	0.0	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.	1264.

CONE OF MAXIMUM CANDELA

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	31
5- 10	101
10- 15	186
15- 20	281
20- 25	382
25- 30	500
30- 35	622
35- 40	726
40- 45	857
45- 50	1049
50- 55	1299
55- 60	1620
60- 65	1766
65- 70	1584
70- 75	1234
75- 80	659
80- 85	152
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	133
0- 20	600
0- 30	1482
0- 40	2829
0- 50	4735
0- 60	7654
0- 70	11004
0- 80	12897
0- 90	13059
0-100	13059
0-110	13059
0-120	13059
0-130	13059
0-140	13059
0-150	13059
0-160	13059
0-170	13059
0-180	13059