

**REPORT NUMBER:** PRORATED FROM RAB04308

**PAGE:** 1 OF 10

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

**PREPARED FOR:** RAB LIGHTING INC.

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

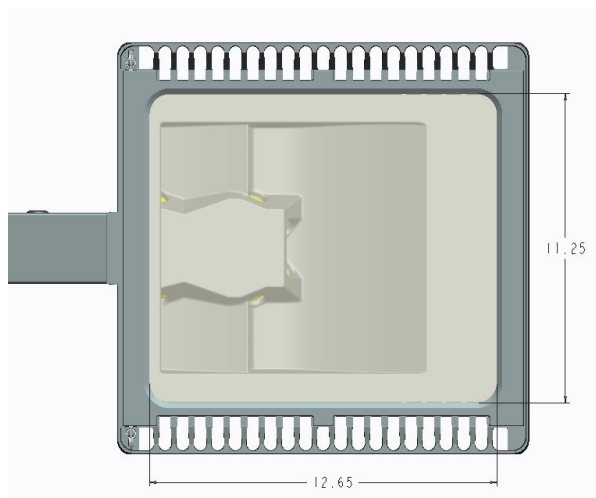
**LAMPS:** SIX WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), 2 LEDs TILTED  
63-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 75-DEGREES FROM  
STRAIGHT AHEAD, 2 LEDs TILTED 67-DEGREES FROM VERTICAL BASE-UP POSITION  
AND CANTED 68-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 58-DEGREES FROM  
VERTICAL BASE-UP POSITION AND CANTED 40-DEGREES FROM STRAIGHT AHEAD.

**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04308 WHICH WAS ALED3T105Y.  
ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 109.9 W AT 120.0 VAC.

**LED DRIVER:** LED DRIVER: 2 x RD-060-A1400

**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

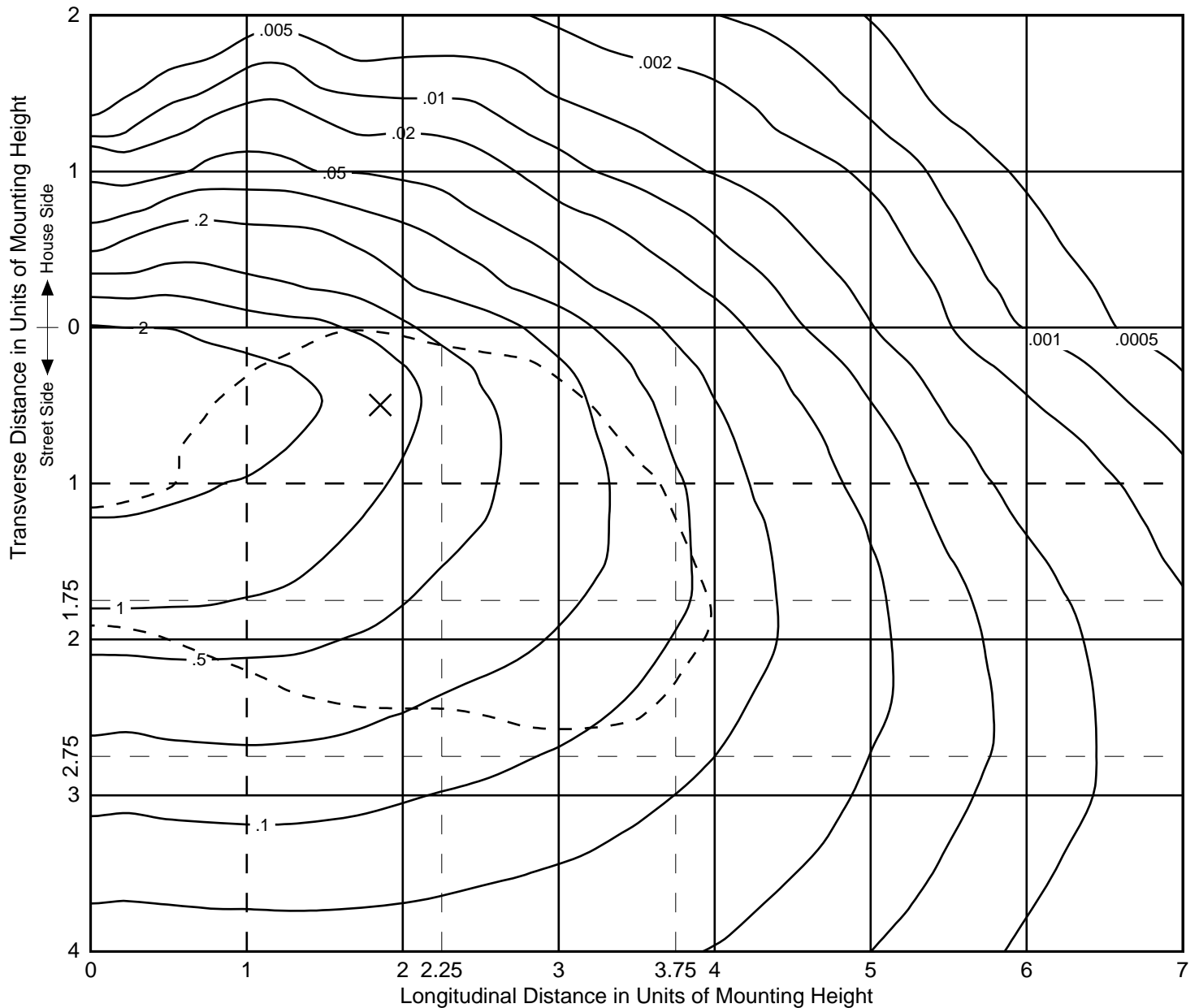
Values based on 25-foot mounting height

IES Classification: Short, Type III

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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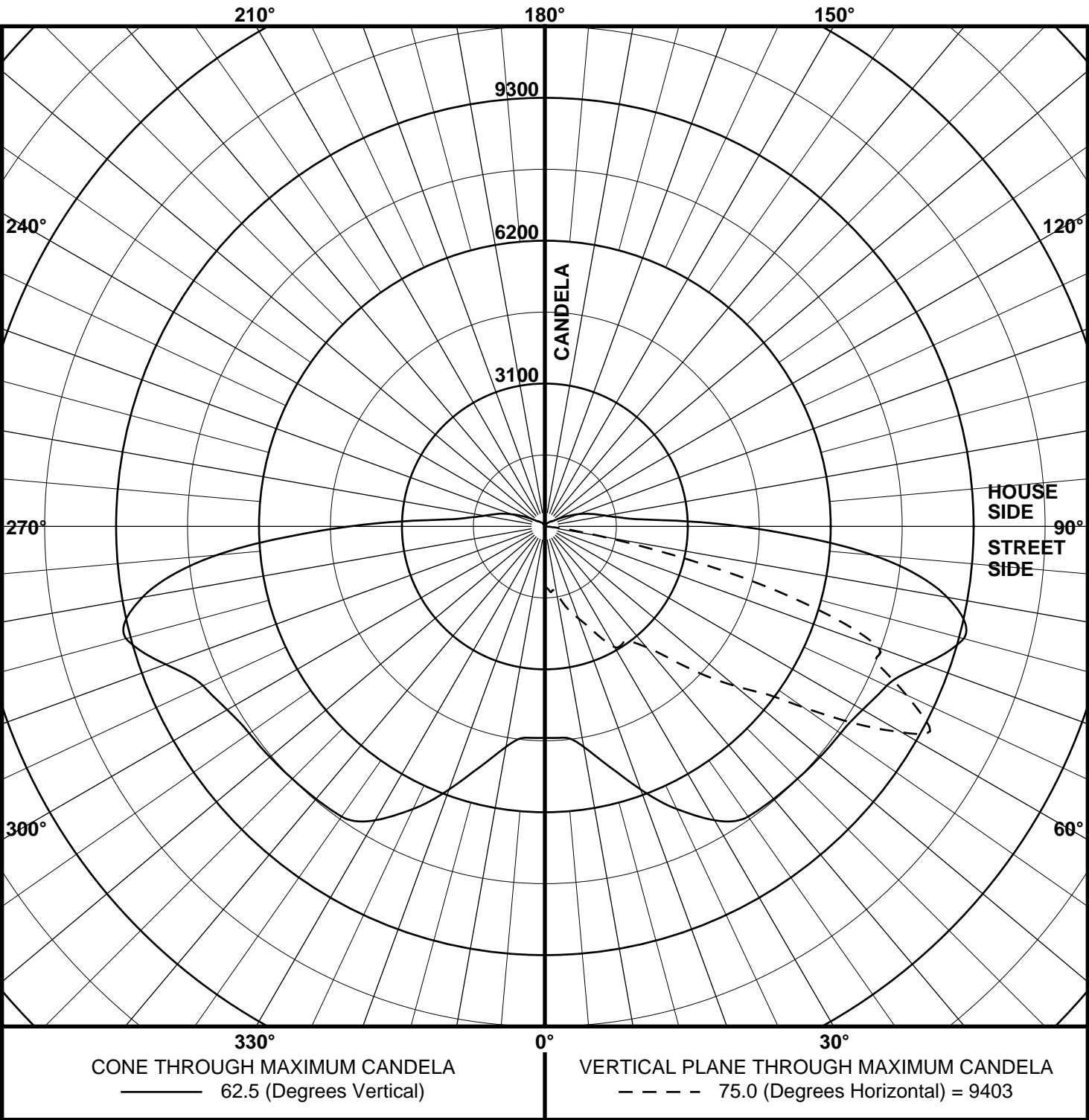
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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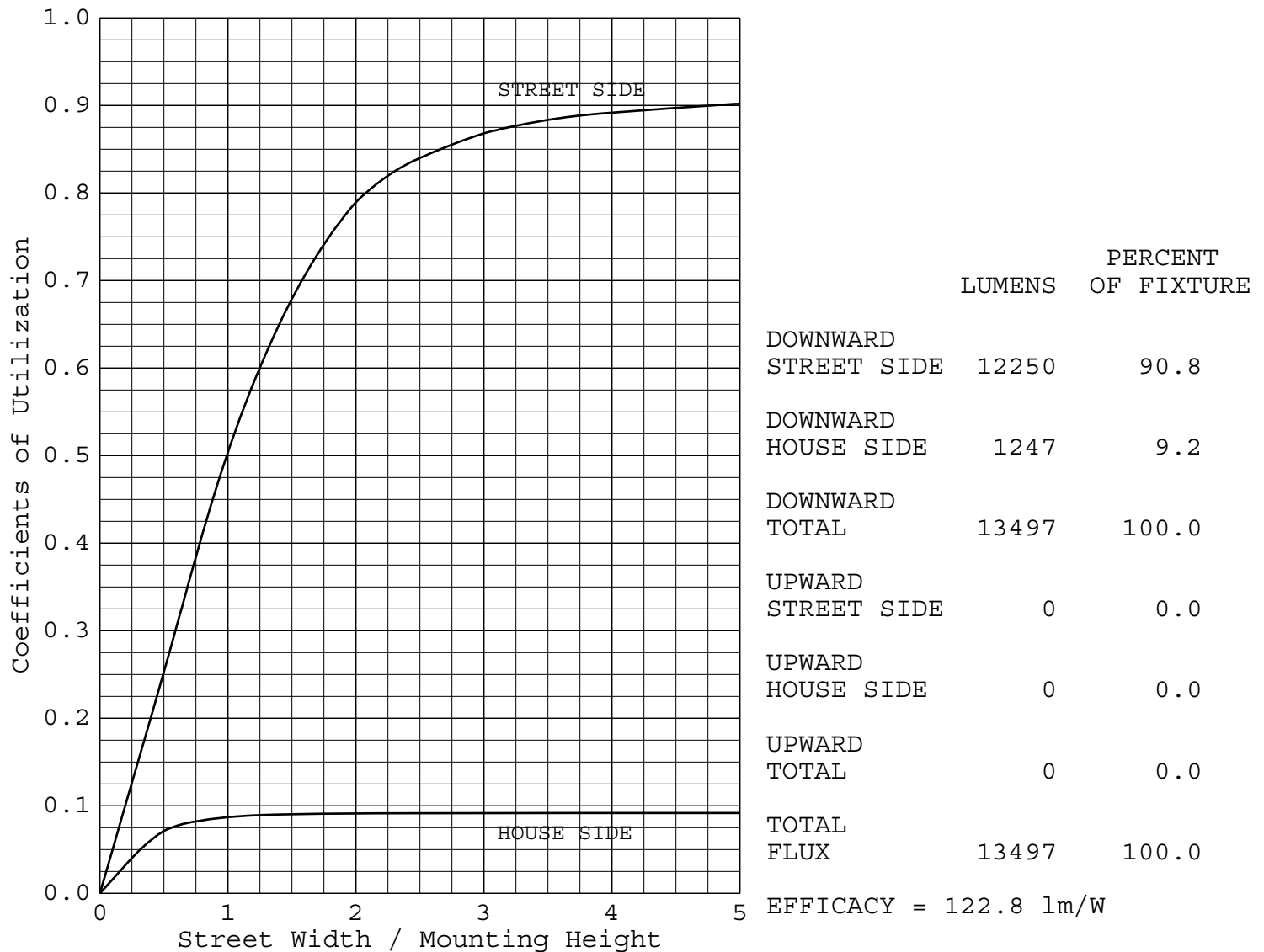
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



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°)	12250			
FM	(30° – 60°)	1195.4			
FH	(60° – 80°)	5704.5			
FVH	(80° – 90°)	5169.7			G3
		180.7			G2
Backward					
BL	(0° – 30°)	1247			
BM	(30° – 60°)	9.2			
BH	(60° – 80°)	289.4	B1		
BVH	(80° – 90°)	647.2	B1		
		304.5			G1
		5.4			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		13497			
		100.0			

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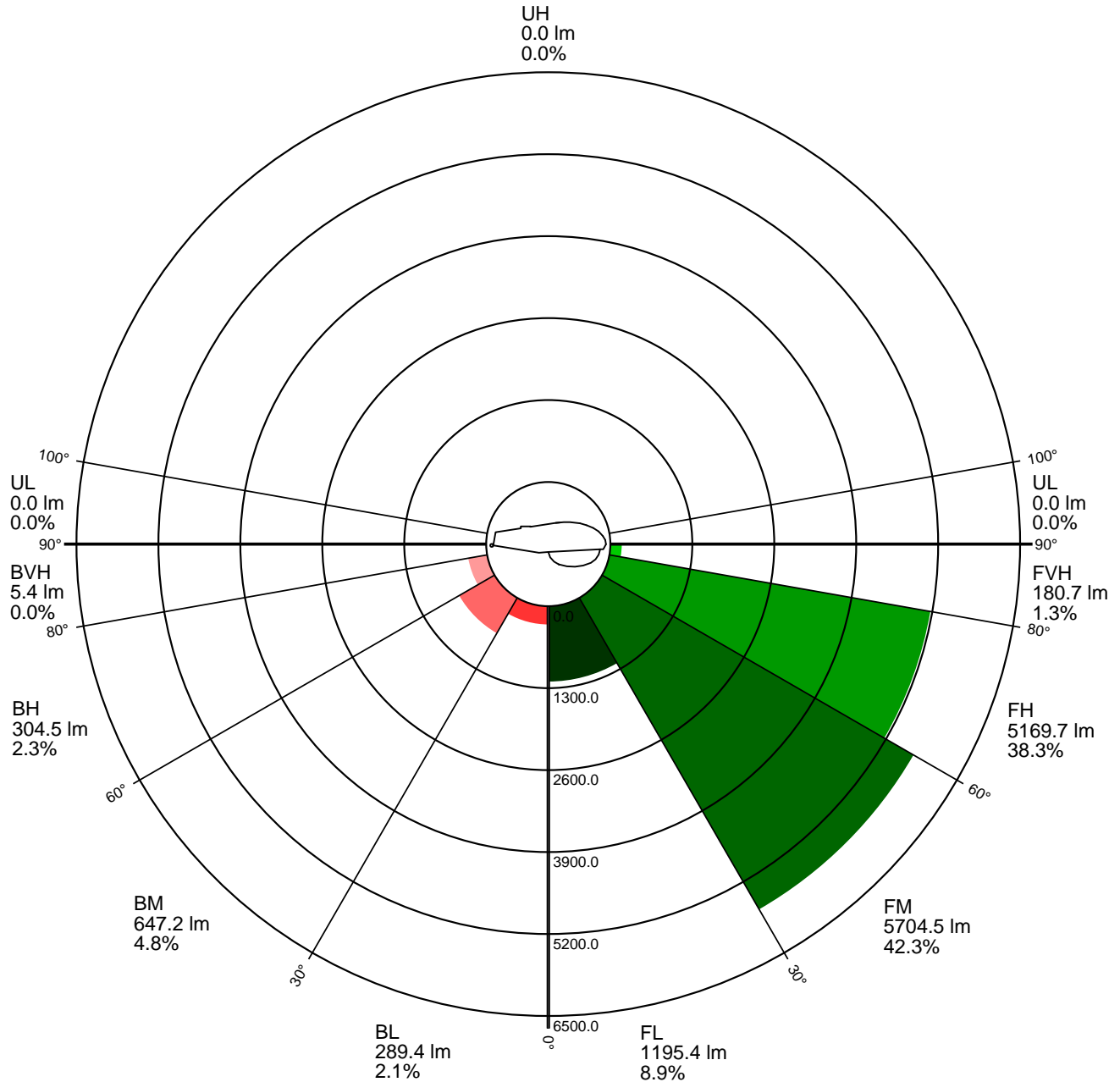
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## Zonal Lumen Summary

(Linear scale)



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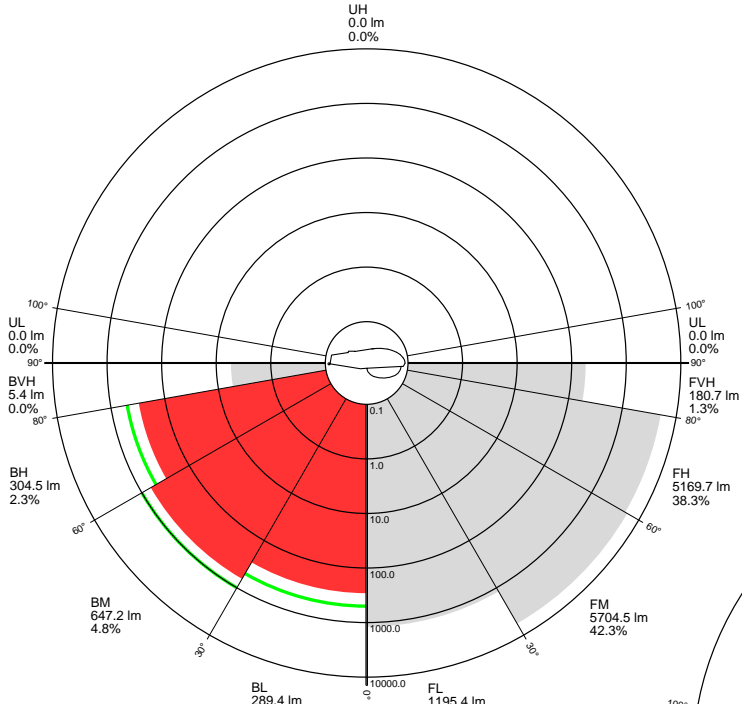
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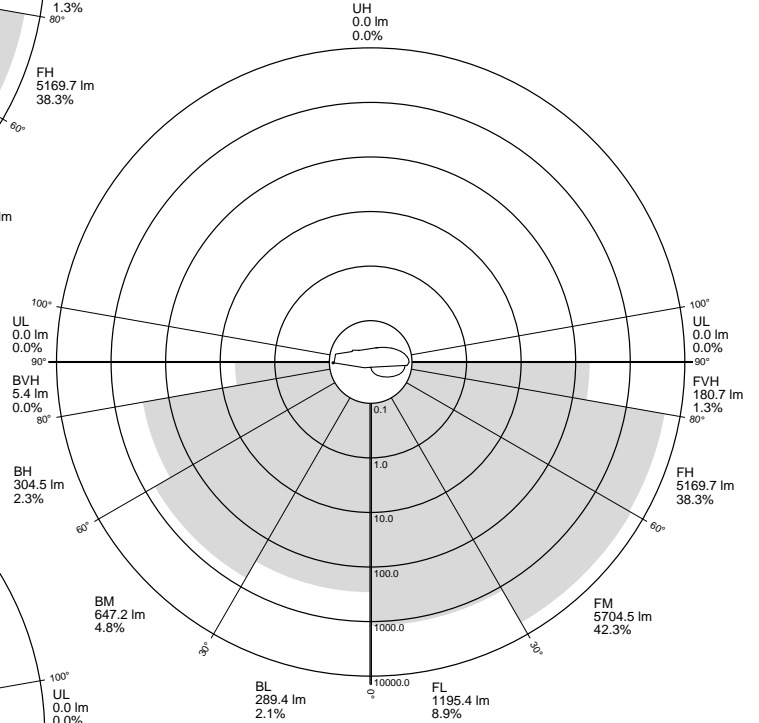
### Backlight Rating Details

(Logarithmic scale)



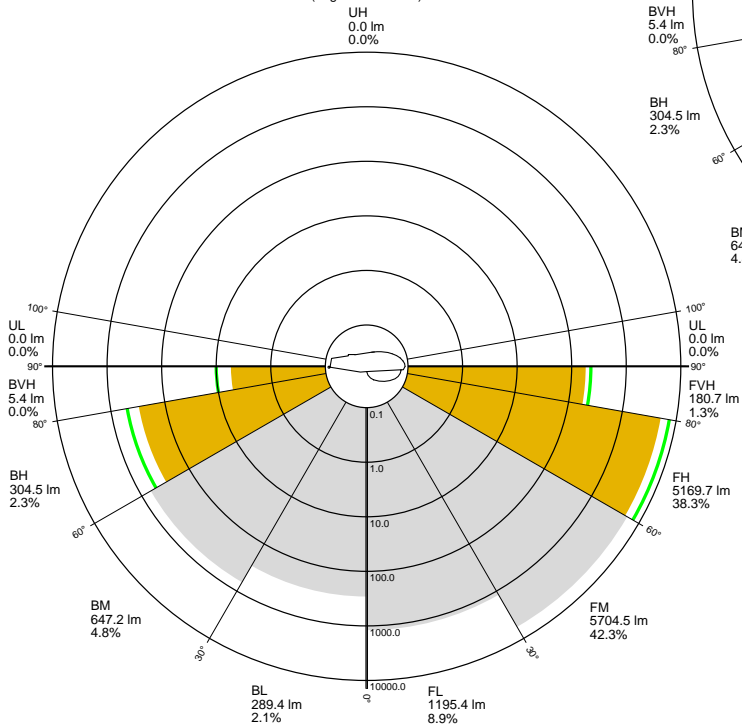
### Uplight Rating Details

(Logarithmic scale)



### Glare Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

	STREET SIDE										
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	77.5	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	5.	6.	10.	7.	19.	21.	19.	13.	11.	10.	10.
85.0	41.	38.	92.	118.	176.	162.	165.	220.	118.	89.	21.
V 82.5	129.	155.	354.	464.	678.	779.	765.	827.	470.	318.	98.
E 80.0	330.	385.	697.	1071.	1571.	2283.	2574.	2361.	1237.	913.	380.
R 77.5	972.	989.	1389.	2028.	2678.	3628.	4460.	4511.	2784.	2166.	1199.
T 75.0	1714.	1695.	2114.	2694.	3366.	4420.	5806.	6461.	4819.	4011.	2531.
I 72.5	2166.	2152.	2617.	3350.	4210.	5147.	6895.	7960.	6546.	5842.	4054.
C 70.0	2552.	2488.	3077.	3971.	5195.	6974.	7517.	8540.	7701.	7206.	5121.
A 67.5	2950.	2879.	3557.	4712.	6553.	7949.	8001.	8145.	7825.	7585.	5489.
L 65.0	3487.	3524.	4469.	5602.	7506.	7869.	8092.	8530.	8645.	8461.	6099.
62.5<<	4588.	4601.	5393.	6764.	7687.	7748.	7828.	8183.	9403.	9300.	7139.
A 60.0	5765.	5801.	6438.	7066.	7601.	7618.	7318.	7913.	8940.	8821.	6940.
N 57.5	6033.	6076.	6187.	6452.	6917.	6810.	6877.	8124.	7947.	7757.	6220.
G 55.0	5438.	5473.	5670.	5989.	5980.	6236.	6646.	7461.	6848.	6679.	5239.
L 52.5	5108.	5133.	5235.	5274.	5280.	5965.	6495.	7021.	5933.	5747.	4350.
E 50.0	4828.	4871.	4820.	4685.	5007.	5727.	6059.	6399.	5387.	5150.	3845.
47.5	4528.	4509.	4471.	4466.	4896.	5404.	5363.	5512.	4842.	4565.	3426.
45.0	4250.	4256.	4320.	4529.	4586.	4952.	5071.	4857.	4289.	3979.	3007.
42.5	4287.	4301.	4403.	4530.	4427.	4652.	4679.	4315.	3778.	3529.	2704.
40.0	4145.	4157.	4266.	4690.	4107.	4545.	4307.	3977.	3419.	3224.	2444.
37.5	4046.	4047.	4180.	4385.	4221.	4354.	4019.	3890.	3177.	2998.	2277.
35.0	4122.	4134.	4026.	4201.	4172.	4060.	3925.	3829.	3034.	2847.	2206.
32.5	4274.	4239.	3995.	4024.	4070.	3800.	3759.	3754.	3064.	2849.	2154.
30.0	4219.	4192.	3904.	3906.	3751.	3580.	3617.	3563.	3023.	2851.	2123.
25.0	4005.	3989.	3598.	3428.	3364.	3404.	3329.	2979.	2524.	2358.	1866.
20.0	3739.	3765.	3548.	3272.	3212.	3148.	2869.	2588.	2124.	1995.	1622.
15.0	3350.	3386.	3321.	3090.	2836.	2623.	2441.	2204.	1825.	1739.	1493.
10.0	2769.	2779.	2772.	2636.	2445.	2193.	1943.	1742.	1502.	1452.	1324.
5.0	2026.	2036.	1979.	1927.	1849.	1779.	1655.	1546.	1432.	1404.	1343.
0.0	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.

||  
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	10.	10.	10.	10.	10.	9.	7.	5.	5.	5.	5.
	85.0	14.	12.	11.	10.	9.	8.	7.	5.	5.	5.	5.
	82.5	29.	21.	13.	11.	9.	8.	7.	5.	5.	5.	5.
	80.0	165.	110.	49.	33.	10.	7.	6.	5.	5.	5.	5.
	77.5	668.	413.	143.	69.	12.	7.	6.	5.	5.	6.	6.
	75.0	1564.	717.	256.	94.	31.	11.	6.	5.	7.	7.	7.
	72.5	2470.	1146.	360.	158.	92.	31.	8.	6.	8.	9.	9.
	70.0	3233.	1518.	593.	274.	108.	37.	18.	6.	8.	9.	8.
	67.5	3289.	1690.	859.	382.	123.	52.	37.	9.	9.	10.	9.
	65.0	3522.	1556.	963.	437.	155.	79.	66.	19.	11.	12.	11.
	62.5<<	4231.	1889.	1053.	521.	195.	136.	90.	29.	14.	11.	11.
	60.0	4461.	2147.	1248.	569.	236.	190.	95.	39.	21.	15.	13.
	57.5	4285.	2230.	1270.	724.	283.	212.	103.	44.	23.	14.	12.
	55.0	3806.	2139.	1183.	757.	316.	218.	115.	53.	25.	12.	11.
	52.5	3208.	2022.	1114.	695.	355.	234.	129.	62.	32.	13.	11.
	50.0	2854.	2044.	1043.	688.	406.	258.	142.	66.	40.	34.	22.
	47.5	2575.	1966.	1037.	715.	473.	279.	157.	74.	45.	68.	84.
	45.0	2316.	1827.	1063.	714.	494.	301.	183.	84.	61.	58.	79.
	42.5	2114.	1703.	1057.	698.	527.	325.	205.	105.	61.	44.	40.
	40.0	1966.	1613.	1057.	682.	556.	351.	215.	140.	89.	69.	45.
37.5	1899.	1601.	1088.	679.	577.	369.	236.	139.	107.	88.	76.	
35.0	1900.	1642.	1143.	700.	560.	381.	271.	170.	113.	92.	83.	
32.5	1892.	1660.	1179.	735.	543.	420.	302.	195.	135.	107.	91.	
30.0	1816.	1598.	1184.	784.	548.	459.	315.	215.	156.	132.	115.	
25.0	1639.	1452.	1155.	887.	567.	422.	320.	234.	180.	172.	173.	
20.0	1455.	1313.	1053.	877.	679.	477.	352.	282.	233.	223.	215.	
15.0	1390.	1310.	1076.	934.	772.	651.	540.	485.	460.	467.	453.	
10.0	1264.	1203.	1082.	944.	876.	814.	775.	725.	670.	626.	614.	
5.0	1310.	1284.	1208.	1143.	1081.	1026.	965.	921.	878.	870.	857.	
0.0	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	1298.	

CONE OF MAXIMUM CANDELA

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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	32
5- 10	103
10- 15	188
15- 20	282
20- 25	381
25- 30	499
30- 35	622
35- 40	733
40- 45	876
45- 50	1076
50- 55	1348
55- 60	1697
60- 65	1833
65- 70	1642
70- 75	1287
75- 80	712
80- 85	174
85- 90	12
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	135
0- 20	605
0- 30	1485
0- 40	2840
0- 50	4792
0- 60	7836
0- 70	11312
0- 80	13311
0- 90	13497
0-100	13497
0-110	13497
0-120	13497
0-130	13497
0-140	13497
0-150	13497
0-160	13497
0-170	13497
0-180	13497