

**REPORT NUMBER:** PRORATED FROM RAB04284

**PAGE:** 1 OF 10

**ISSUE DATE:** 05/8/18

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** ALED4T66 - RWLED4T66 - RWLED4T66SF - WPLED4T66 (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.

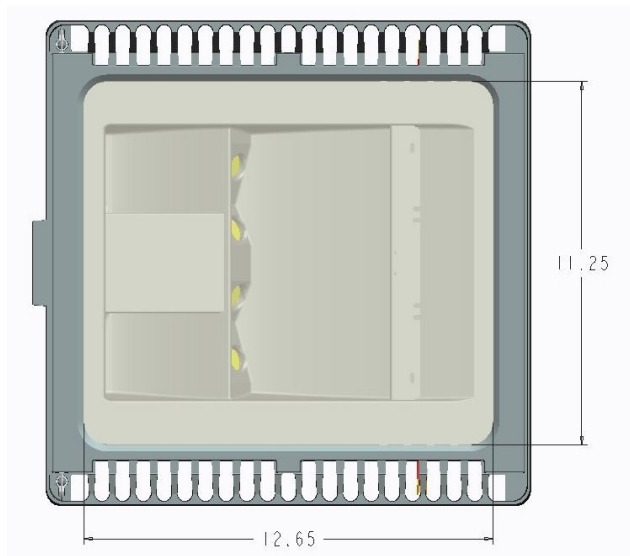
**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04284 WHICH WAS ALED4T150Y. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 65.2 W AT 120.0 VAC.

**LED DRIVER:** LED DRIVER: RDD-U85-A1750

**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

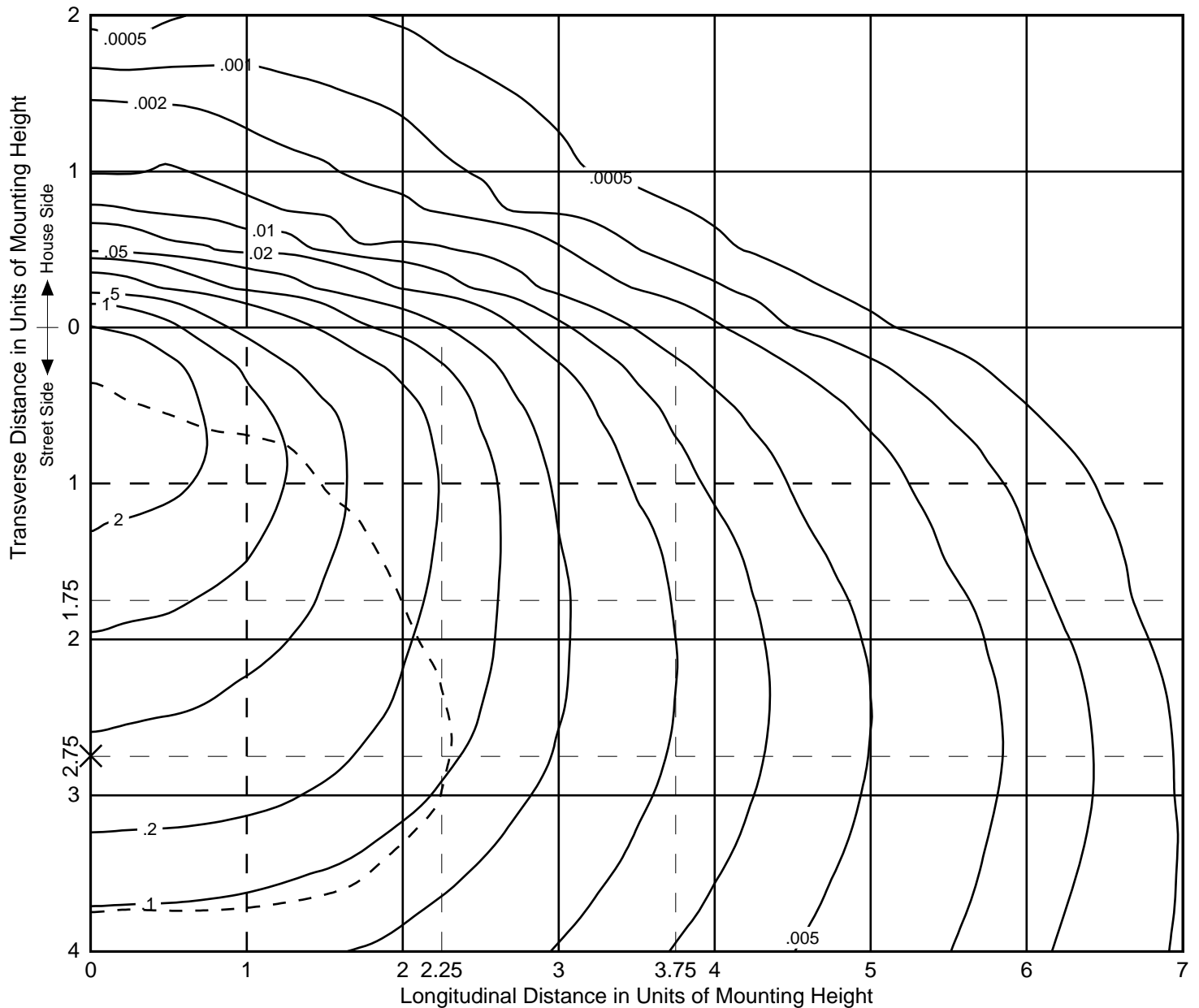
Values based on 25-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — — 1/2 Maximum Candela trace

× Maximum Candela point



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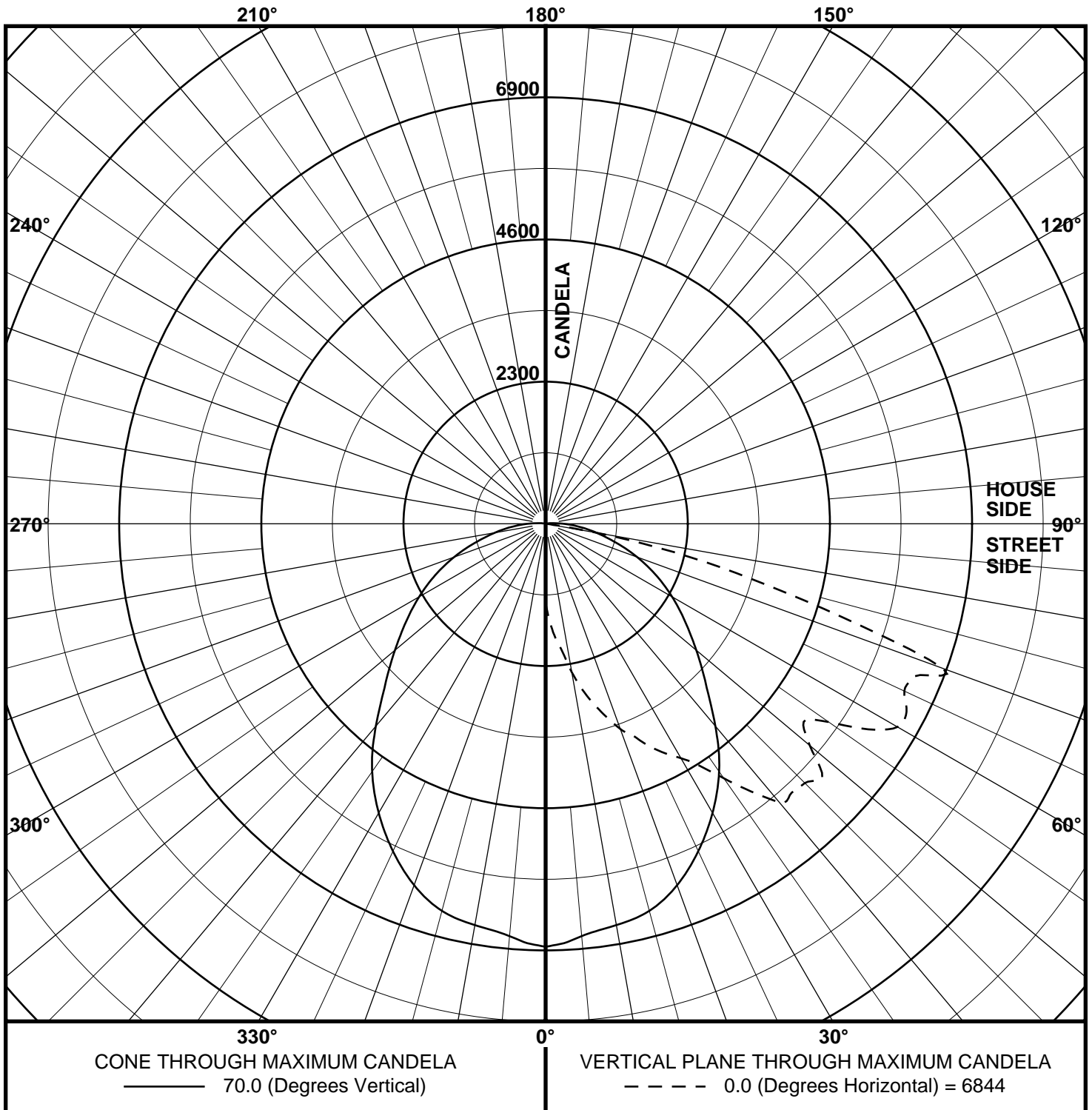
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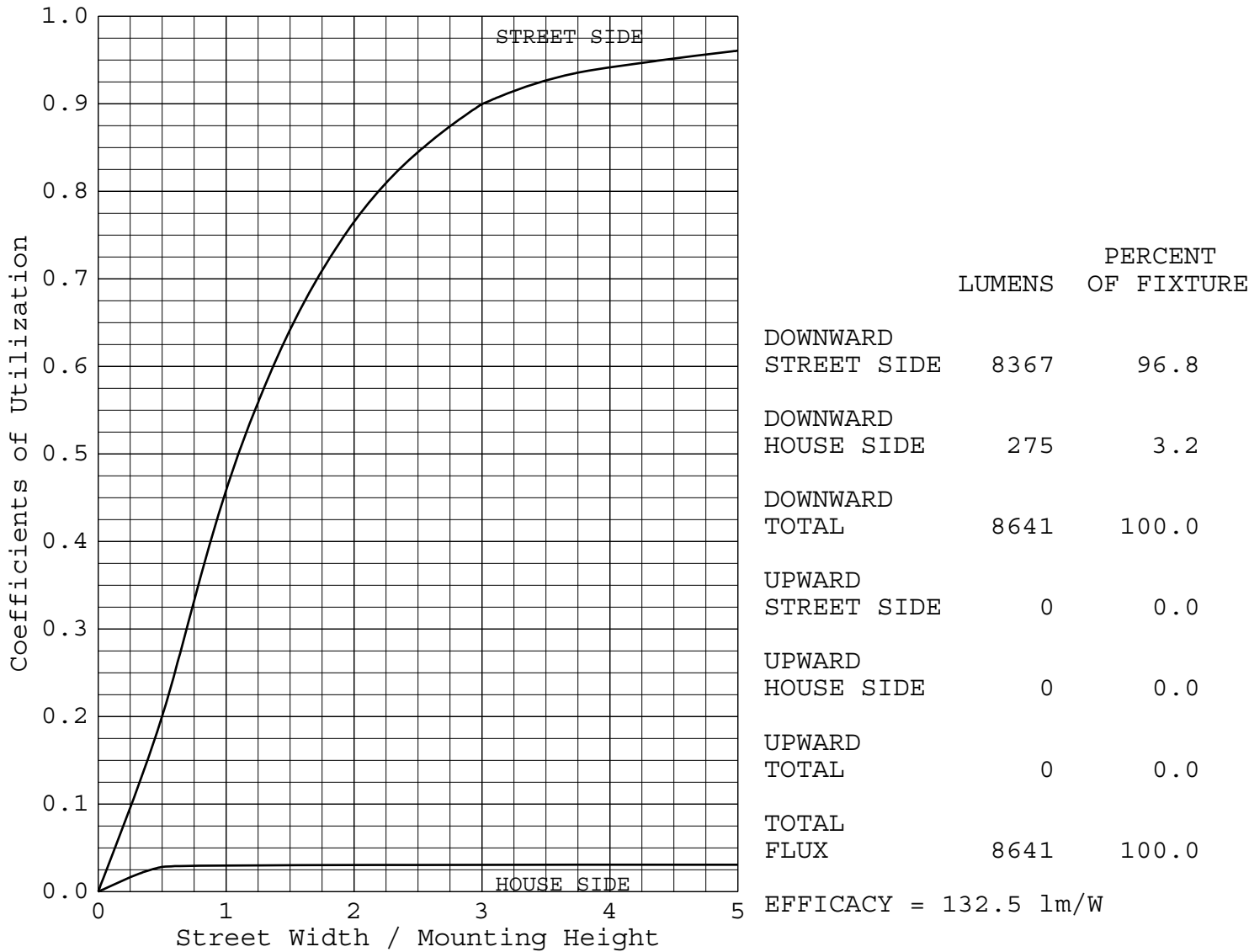
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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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 G2		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	8367			
FM	(30° – 60°)	1018.1			
FH	(60° – 80°)	4061.2			
FVH	(80° – 90°)	3203.8			G2
		83.4			G1
Backward					
BL	(0° – 30°)	275			
BM	(30° – 60°)	147.5	B1		
BH	(60° – 80°)	98.4	B0		
BVH	(80° – 90°)	24.7	B0		G0
		4.0			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		8641			
		100.0			

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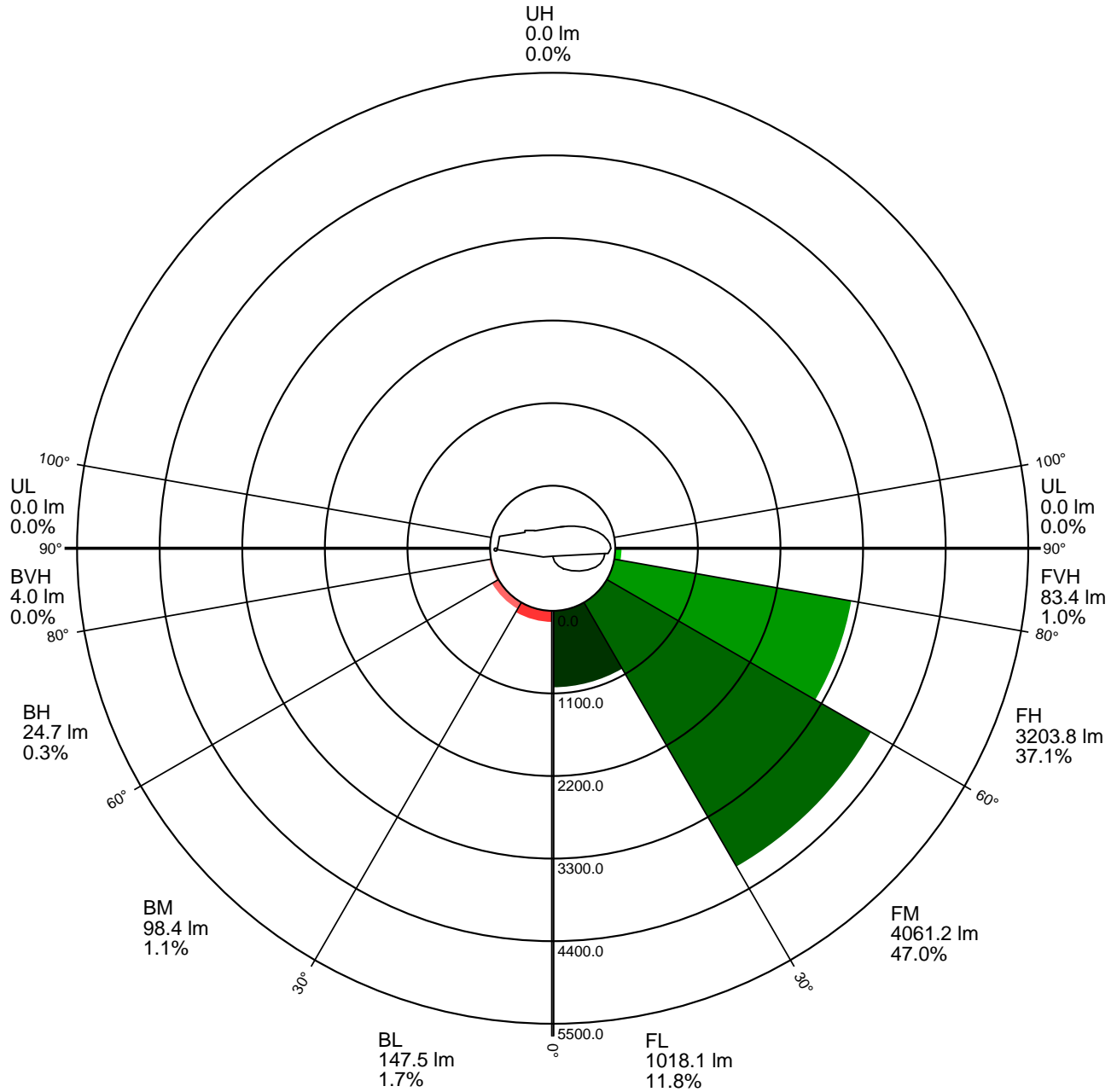
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## Zonal Lumen Summary

(Linear scale)

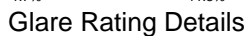


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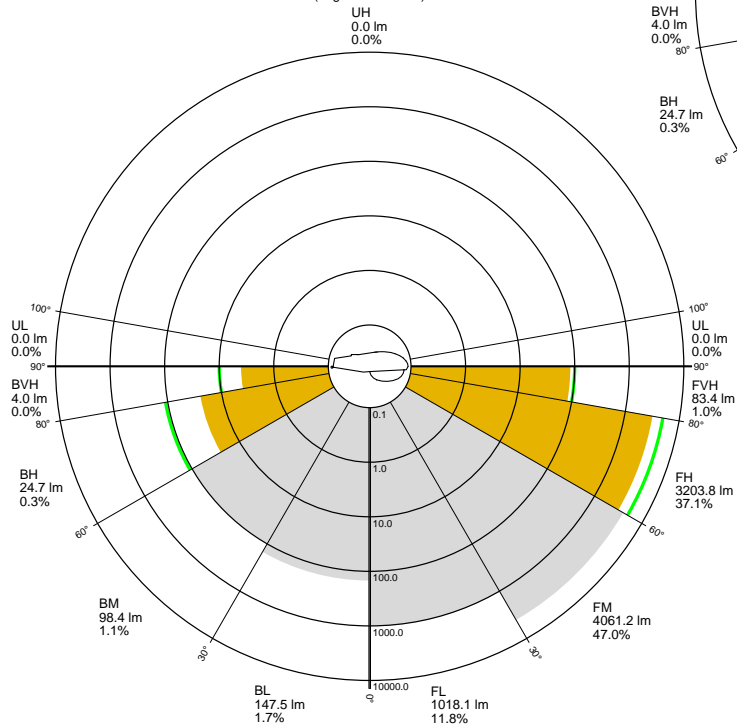
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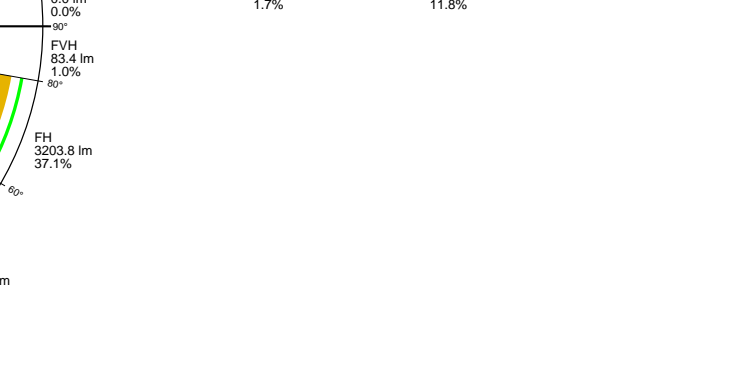
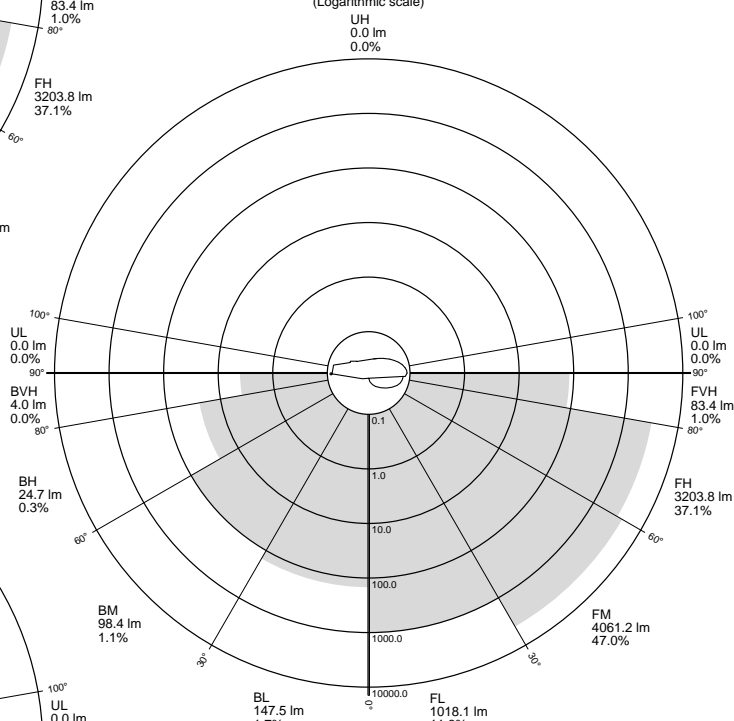
(Logarithmic scale)



(Logarithmic scale)



(Logarithmic scale)





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## CANDELA TABULATION

	STREET	LATERAL ANGLE										
		SIDE	0.0	2.5	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0
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.	11.	13.	12.	14.	8.	10.	11.	11.	11.	11.
	85.0	29.	29.	30.	57.	116.	76.	58.	37.	43.	19.	12.
	82.5	82.	87.	95.	162.	321.	320.	344.	218.	148.	55.	23.
	80.0	814.	834.	872.	974.	1284.	1025.	893.	738.	527.	232.	89.
	77.5	2132.	2116.	2134.	2349.	2492.	2188.	1732.	1267.	781.	382.	160.
	75.0	3454.	3414.	3446.	3645.	3877.	3573.	2889.	1781.	1093.	529.	233.
	72.5	5048.	5004.	4973.	5316.	5539.	4585.	3399.	2275.	1396.	776.	368.
	70.0	<< 6844.	6790.	6696.	6482.	5844.	4894.	3668.	2755.	1972.	1181.	545.
	67.5	6451.	6355.	6230.	6163.	5689.	5171.	4012.	3065.	2415.	1566.	791.
	65.0	6403.	6279.	6118.	6237.	5763.	5295.	4182.	3342.	2598.	1860.	956.
	62.5	6584.	6435.	6183.	6230.	5808.	5435.	4531.	3299.	2658.	2018.	958.
	60.0	6573.	6393.	6080.	5983.	5665.	5421.	4748.	3549.	2628.	1999.	887.
	57.5	6189.	6039.	5682.	5500.	5279.	4793.	4663.	3897.	2638.	1870.	875.
	55.0	5594.	5451.	5197.	5069.	4767.	4581.	4702.	3938.	2663.	1778.	886.
	52.5	5262.	5178.	4992.	4774.	4743.	4568.	4432.	3649.	2566.	1694.	903.
	50.0	5581.	5505.	5408.	5235.	5001.	4437.	4258.	3412.	2491.	1693.	945.
	47.5	6069.	5995.	5841.	5342.	5042.	4631.	3960.	3165.	2407.	1695.	940.
	45.0	5931.	5887.	5778.	5296.	5119.	4530.	3604.	2936.	2330.	1663.	973.
	42.5	5899.	5865.	5784.	5453.	5027.	4124.	3416.	2840.	2284.	1641.	1033.
40.0	5883.	5841.	5766.	5423.	4612.	3876.	3324.	2841.	2272.	1592.	1050.	
37.5	5454.	5395.	5324.	4943.	4241.	3705.	3239.	2798.	2269.	1626.	1074.	
35.0	5027.	4964.	4873.	4469.	4003.	3533.	3182.	2740.	2199.	1646.	1153.	
32.5	4645.	4609.	4543.	4160.	3775.	3394.	3059.	2687.	2155.	1636.	1196.	
30.0	4378.	4350.	4301.	3905.	3626.	3269.	2927.	2568.	2137.	1637.	1245.	
25.0	3973.	3954.	3924.	3592.	3317.	3010.	2707.	2412.	2054.	1639.	1311.	
20.0	3533.	3513.	3501.	3321.	3049.	2805.	2546.	2248.	1907.	1603.	1298.	
15.0	3023.	3019.	2995.	2906.	2710.	2495.	2265.	2033.	1787.	1618.	1318.	
10.0	2436.	2433.	2424.	2359.	2235.	2096.	1947.	1833.	1702.	1539.	1313.	
5.0	1867.	1878.	1862.	1833.	1799.	1759.	1702.	1623.	1520.	1419.	1306.	
0.0	1288.	1288.	1288.	1288.	1288.	1288.	1288.	1288.	1288.	1288.	1288.	

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
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	11.	11.	11.	10.	10.	9.	8.	7.	6.	6.	5.
	85.0	11.	11.	11.	10.	9.	9.	8.	6.	5.	5.	5.
	82.5	17.	13.	11.	10.	9.	8.	7.	6.	4.	4.	4.
	80.0	37.	15.	12.	10.	9.	8.	7.	5.	4.	3.	3.
	77.5	59.	25.	14.	11.	9.	8.	7.	5.	4.	3.	3.
	75.0	119.	33.	14.	11.	9.	8.	6.	5.	3.	2.	2.
	72.5	184.	54.	14.	12.	9.	8.	6.	5.	3.	2.	2.
	70.0<<	291.	104.	16.	12.	9.	8.	6.	5.	3.	2.	2.
	67.5	439.	130.	21.	12.	11.	8.	6.	5.	4.	2.	2.
	65.0	529.	155.	28.	13.	11.	9.	6.	5.	4.	2.	3.
	62.5	551.	179.	32.	13.	11.	9.	7.	5.	4.	3.	3.
	60.0	552.	220.	31.	21.	11.	9.	9.	6.	4.	3.	3.
	57.5	640.	255.	43.	26.	11.	9.	8.	9.	6.	5.	5.
	55.0	683.	301.	59.	25.	12.	10.	9.	9.	9.	8.	8.
	52.5	670.	341.	86.	24.	16.	11.	11.	8.	8.	8.	9.
	50.0	651.	340.	110.	26.	19.	12.	12.	13.	10.	9.	9.
	47.5	639.	348.	121.	33.	24.	13.	10.	11.	10.	9.	9.
	45.0	658.	386.	154.	42.	28.	15.	13.	8.	8.	8.	8.
	42.5	718.	437.	188.	44.	31.	21.	13.	9.	8.	8.	8.
	40.0	757.	478.	188.	59.	29.	28.	16.	12.	9.	9.	9.
	37.5	775.	526.	202.	92.	30.	28.	26.	18.	13.	11.	11.
	35.0	838.	573.	226.	138.	32.	27.	36.	30.	21.	17.	19.
	32.5	885.	603.	263.	167.	42.	32.	34.	37.	32.	29.	33.
	30.0	943.	666.	321.	183.	78.	36.	33.	32.	33.	34.	39.
25.0	1037.	779.	467.	260.	198.	87.	40.	32.	31.	32.	34.	
20.0	1066.	846.	583.	353.	251.	190.	139.	84.	58.	52.	53.	
15.0	1137.	957.	754.	505.	357.	269.	236.	205.	191.	176.	181.	
10.0	1199.	1081.	874.	769.	607.	488.	430.	379.	360.	346.	356.	
5.0	1245.	1188.	1084.	992.	920.	860.	840.	811.	790.	758.	795.	
0.0	1288.	1288.	1288.	1288.	1288.	1288.	1288.	1288.	1288.	1288.	1288.	

CONE OF MAXIMUM CANDELA

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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	31
5- 10	90
10- 15	154
15- 20	222
20- 25	295
25- 30	373
30- 35	457
35- 40	561
40- 45	665
45- 50	751
50- 55	807
55- 60	919
60- 65	1006
65- 70	996
70- 75	819
75- 80	408
80- 85	81
85- 90	7
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	121
0- 20	497
0- 30	1166
0- 40	2184
0- 50	3600
0- 60	5325
0- 70	7327
0- 80	8554
0- 90	8641
0-100	8641
0-110	8641
0-120	8641
0-130	8641
0-140	8641
0-150	8641
0-160	8641
0-170	8641
0-180	8641