

REPORT NUMBER: PRORATED FROM RAB04284

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ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T66N - RWLED4T66N - RWLED4T66SFN - WPLED4T66N (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.

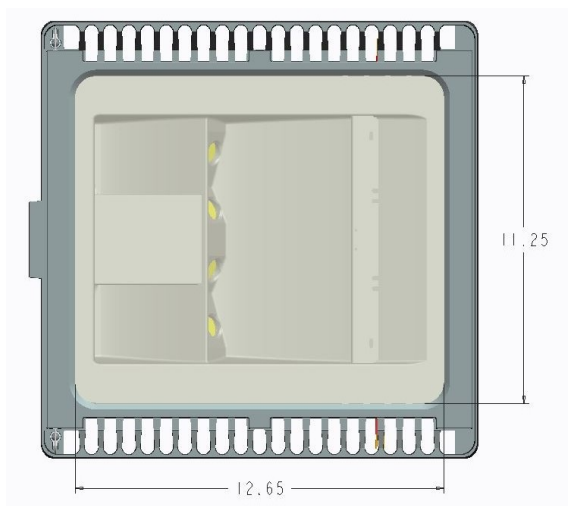
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04284 WHICH WAS ALED4T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 65.3 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

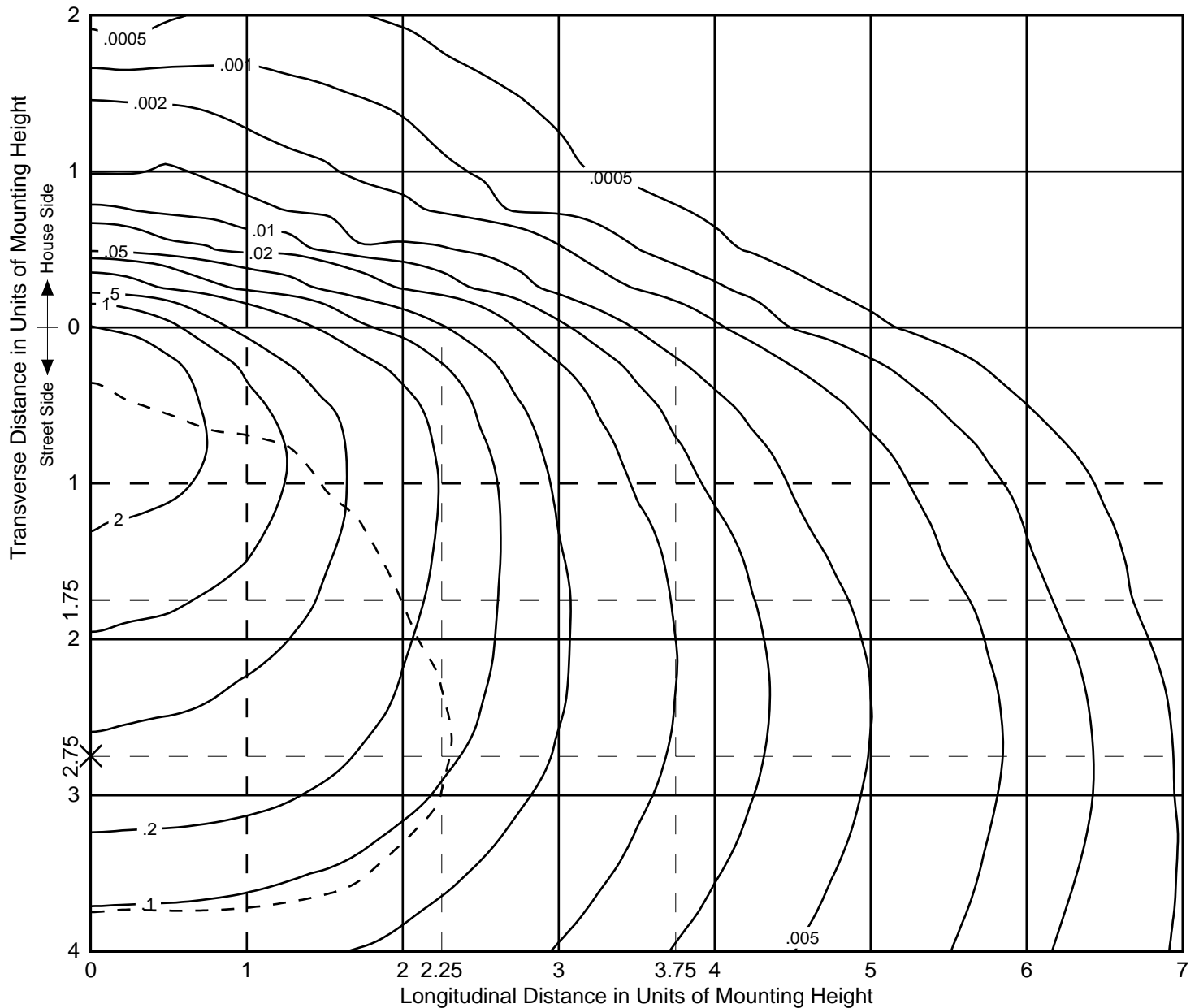
Values based on 25-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — 1/2 Maximum Candela trace

× Maximum Candela point



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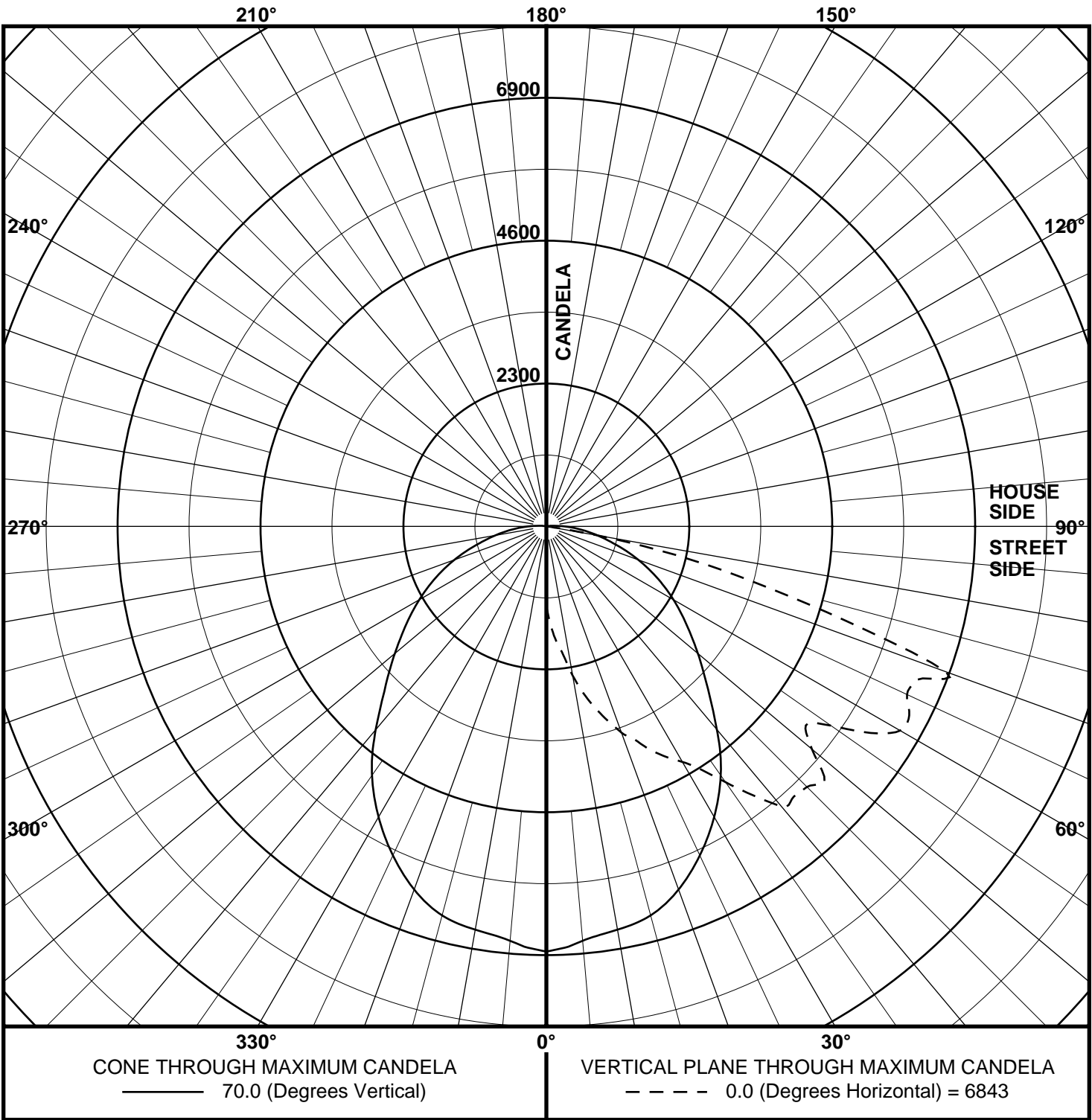
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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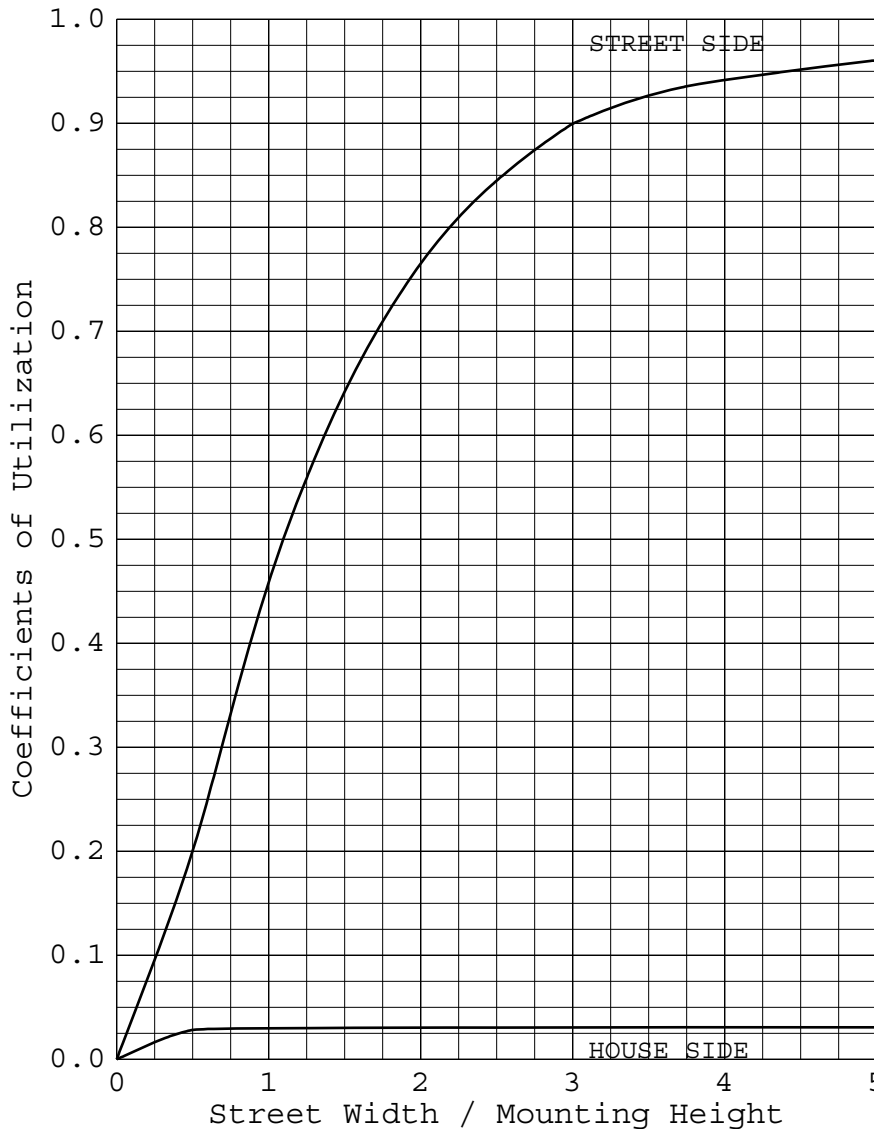
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	8366	96.8
DOWNWARD HOUSE SIDE	275	3.2
DOWNWARD TOTAL	8640	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	8640	100.0

EFFICACY = 132.3 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°)	8366			
FM	(30° – 60°)	1018.0			
FH	(60° – 80°)	4060.8			
FVH	(80° – 90°)	3203.4			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			
		8640			
		100.0			

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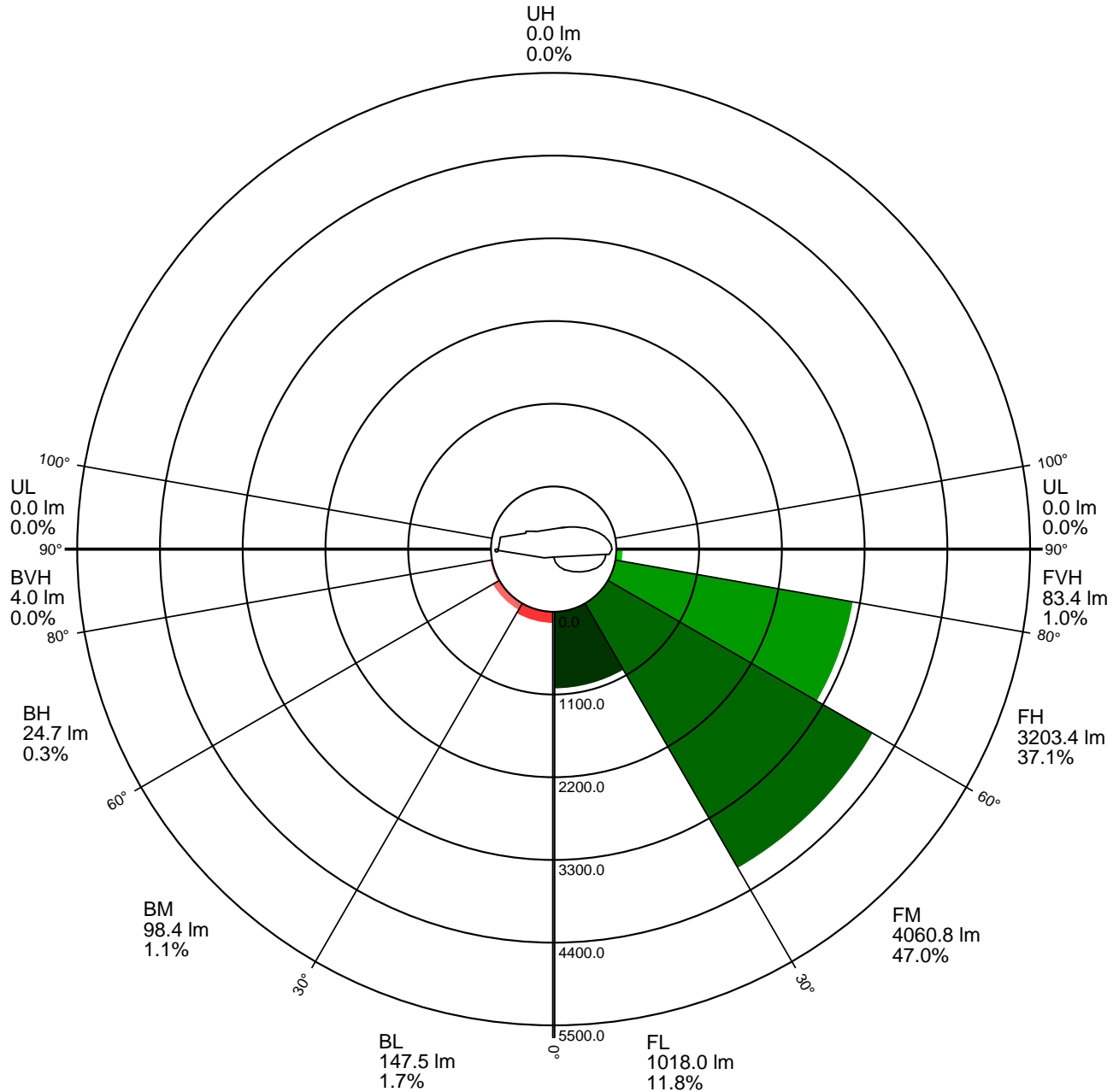
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Zonal Lumen Summary

(Linear scale)



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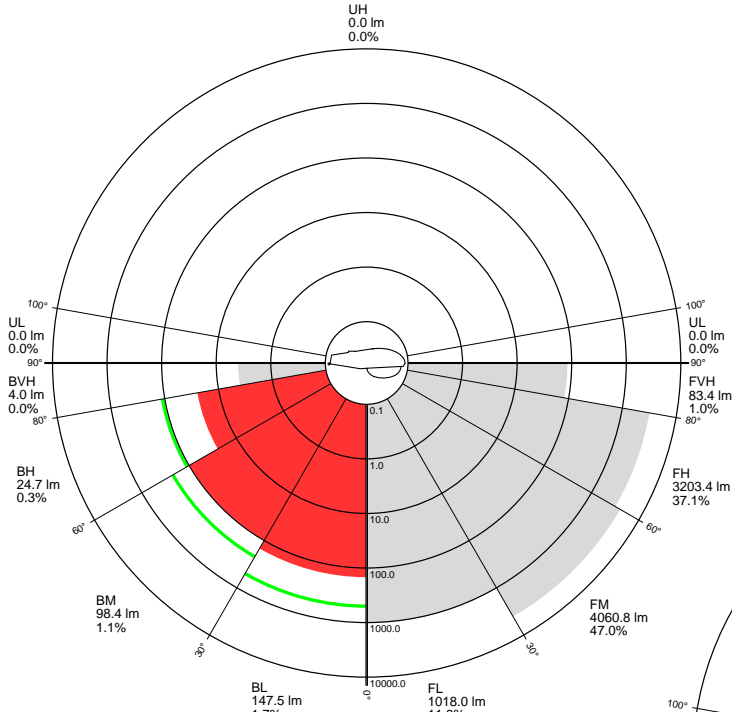
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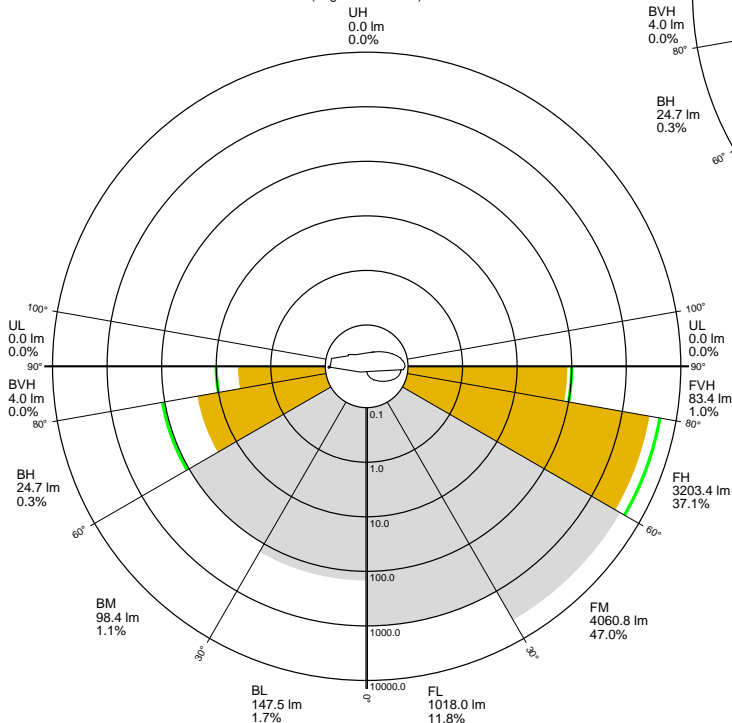
Backlight Rating Details

(Logarithmic scale)



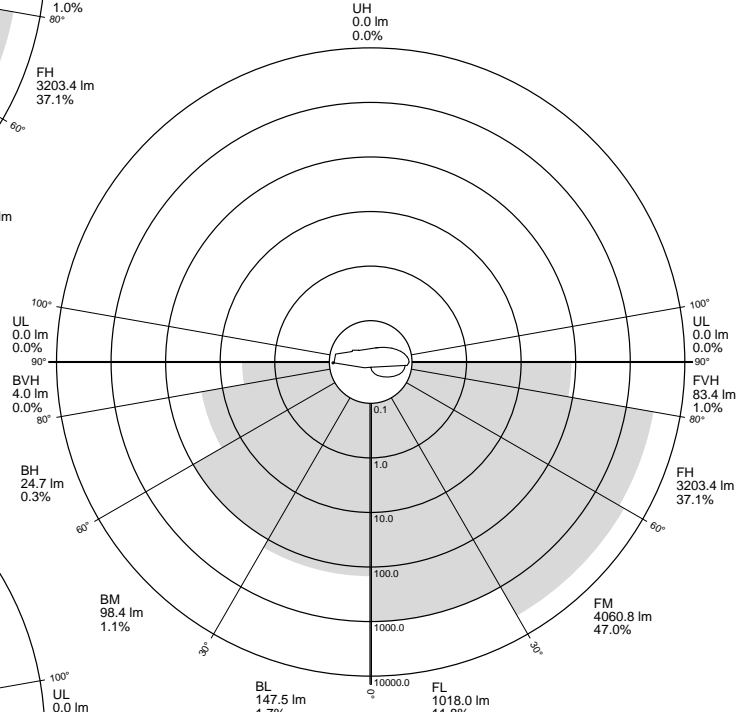
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET	SIDE	LATERAL ANGLE									
			0.0	2.5	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0
	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.	11.	13.	12.	14.	8.	10.	10.	10.	11.
	85.0		29.	29.	30.	57.	116.	76.	58.	37.	43.	19.
V	82.5		82.	87.	95.	162.	321.	320.	344.	218.	148.	55.
E	80.0		814.	834.	871.	974.	1284.	1025.	893.	738.	527.	232.
R	77.5		2132.	2116.	2134.	2349.	2492.	2188.	1731.	1267.	781.	382.
T	75.0		3454.	3414.	3446.	3645.	3877.	3572.	2889.	1781.	1092.	529.
I	72.5		5048.	5003.	4973.	5315.	5539.	4584.	3399.	2275.	1395.	776.
C	70.0<<		6843.	6789.	6695.	6482.	5844.	4894.	3668.	2754.	1972.	1180.
A	67.5		6451.	6354.	6229.	6163.	5689.	5171.	4012.	3065.	2414.	1566.
L	65.0		6403.	6279.	6117.	6236.	5763.	5294.	4182.	3342.	2597.	1860.
	62.5		6583.	6434.	6182.	6229.	5807.	5435.	4530.	3298.	2658.	2018.
A	60.0		6573.	6392.	6080.	5982.	5664.	5420.	4747.	3548.	2628.	1999.
N	57.5		6188.	6038.	5681.	5499.	5278.	4793.	4662.	3896.	2638.	1869.
G	55.0		5593.	5450.	5197.	5068.	4766.	4580.	4702.	3938.	2662.	1778.
L	52.5		5261.	5177.	4991.	4774.	4742.	4567.	4432.	3648.	2566.	1694.
E	50.0		5581.	5505.	5407.	5234.	5000.	4437.	4258.	3412.	2491.	1693.
	47.5		6068.	5995.	5840.	5341.	5041.	4631.	3960.	3165.	2407.	1694.
	45.0		5930.	5886.	5777.	5295.	5119.	4530.	3604.	2936.	2330.	1663.
	42.5		5898.	5864.	5783.	5453.	5027.	4123.	3416.	2840.	2284.	1641.
	40.0		5882.	5840.	5765.	5423.	4611.	3875.	3323.	2840.	2271.	1592.
	37.5		5454.	5394.	5324.	4942.	4241.	3705.	3238.	2798.	2268.	1626.
	35.0		5026.	4963.	4873.	4468.	4002.	3533.	3182.	2740.	2199.	1646.
	32.5		4645.	4608.	4543.	4159.	3775.	3394.	3059.	2686.	2155.	1636.
	30.0		4378.	4350.	4301.	3905.	3625.	3268.	2927.	2567.	2137.	1637.
	25.0		3972.	3953.	3924.	3592.	3317.	3010.	2707.	2412.	2053.	1639.
	20.0		3533.	3513.	3500.	3321.	3048.	2805.	2545.	2248.	1907.	1603.
	15.0		3022.	3019.	2995.	2906.	2709.	2494.	2265.	2033.	1787.	1618.
	10.0		2435.	2433.	2424.	2358.	2235.	2096.	1946.	1833.	1702.	1539.
	5.0		1867.	1878.	1862.	1833.	1799.	1758.	1702.	1623.	1520.	1419.
	0.0		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	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	11.	11.	10.	10.	10.	9.	8.	7.	6.	6.	5.
	85.0	11.	11.	10.	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.	10.	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.	477.	188.	59.	29.	28.	16.	12.	9.	9.	9.
	37.5	775.	526.	202.	92.	30.	28.	26.	18.	13.	10.	11.
35.0	838.	572.	226.	138.	32.	27.	36.	30.	21.	17.	19.	
32.5	885.	603.	263.	167.	42.	31.	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	2183
0- 50	3599
0- 60	5325
0- 70	7326
0- 80	8553
0- 90	8640
0-100	8640
0-110	8640
0-120	8640
0-130	8640
0-140	8640
0-150	8640
0-160	8640
0-170	8640
0-180	8640