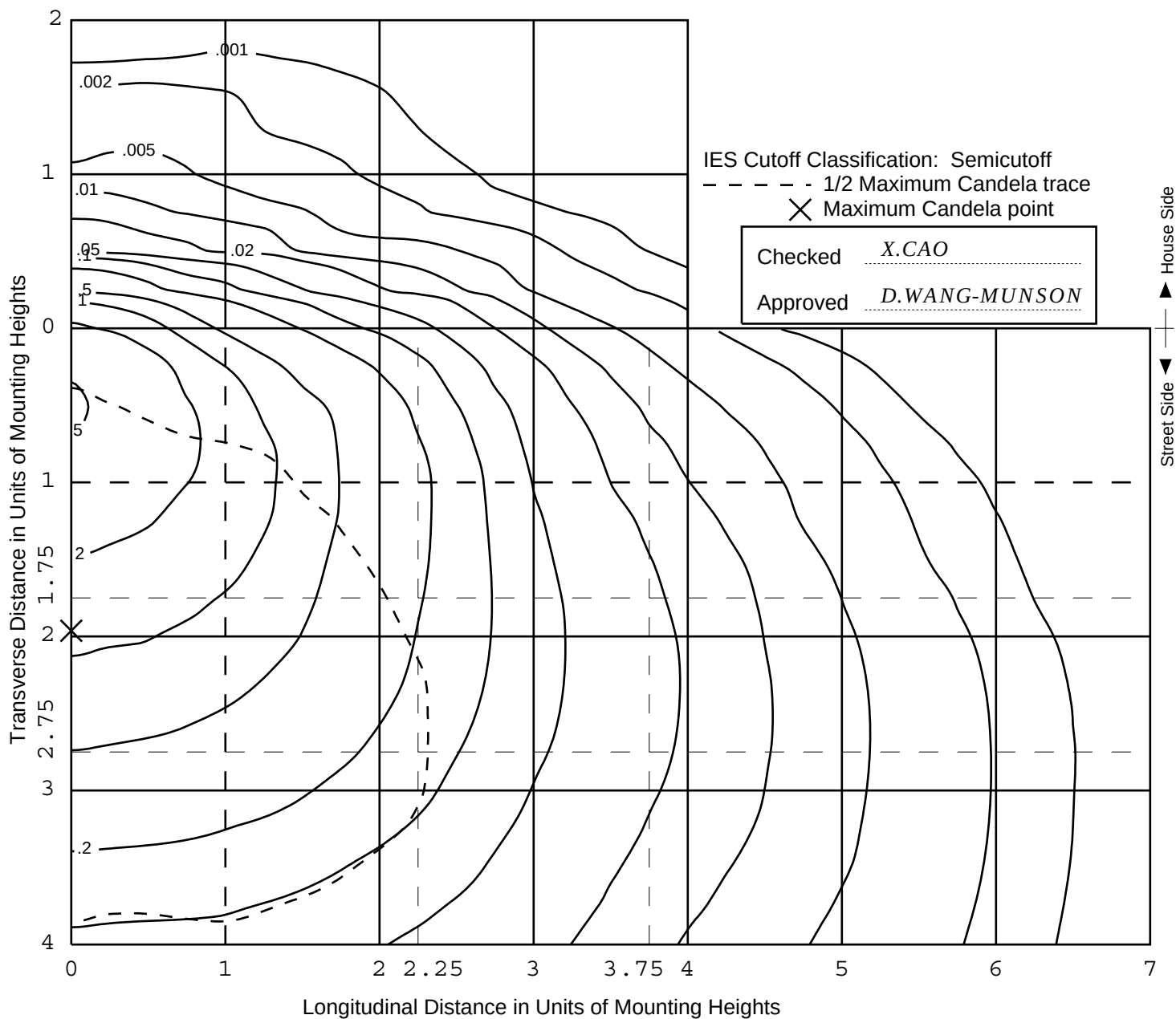
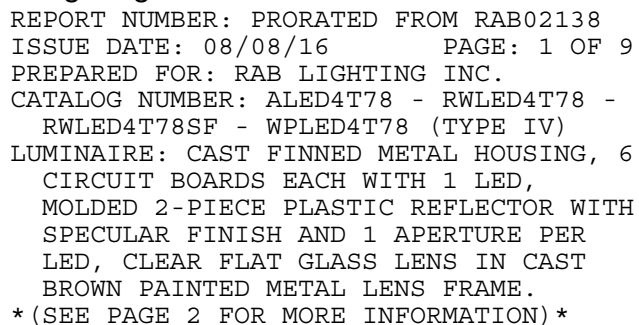


Values based on 25 foot mounting height.



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ADDITIONAL INFORMATION

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.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS = 77.1 W AT 120.0 VAC.

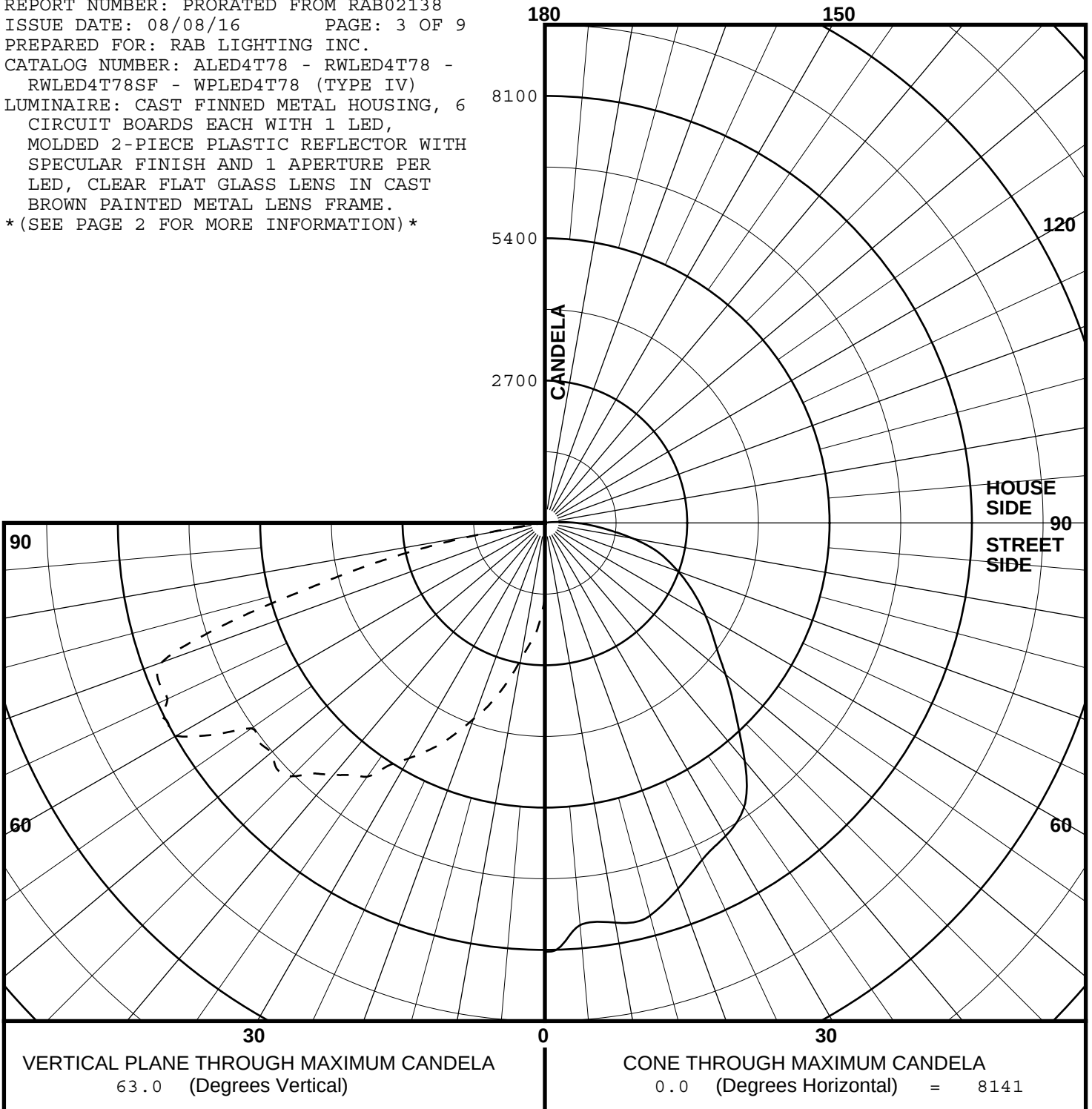
LED DRIVER: RD-085-A2000

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE : 28.25 FEET

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

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 CATALOG NUMBER: ALED4T78 - RWLED4T78 -
 RWLED4T78SF - WPLED4T78 (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.
 (SEE PAGE 2 FOR MORE INFORMATION)

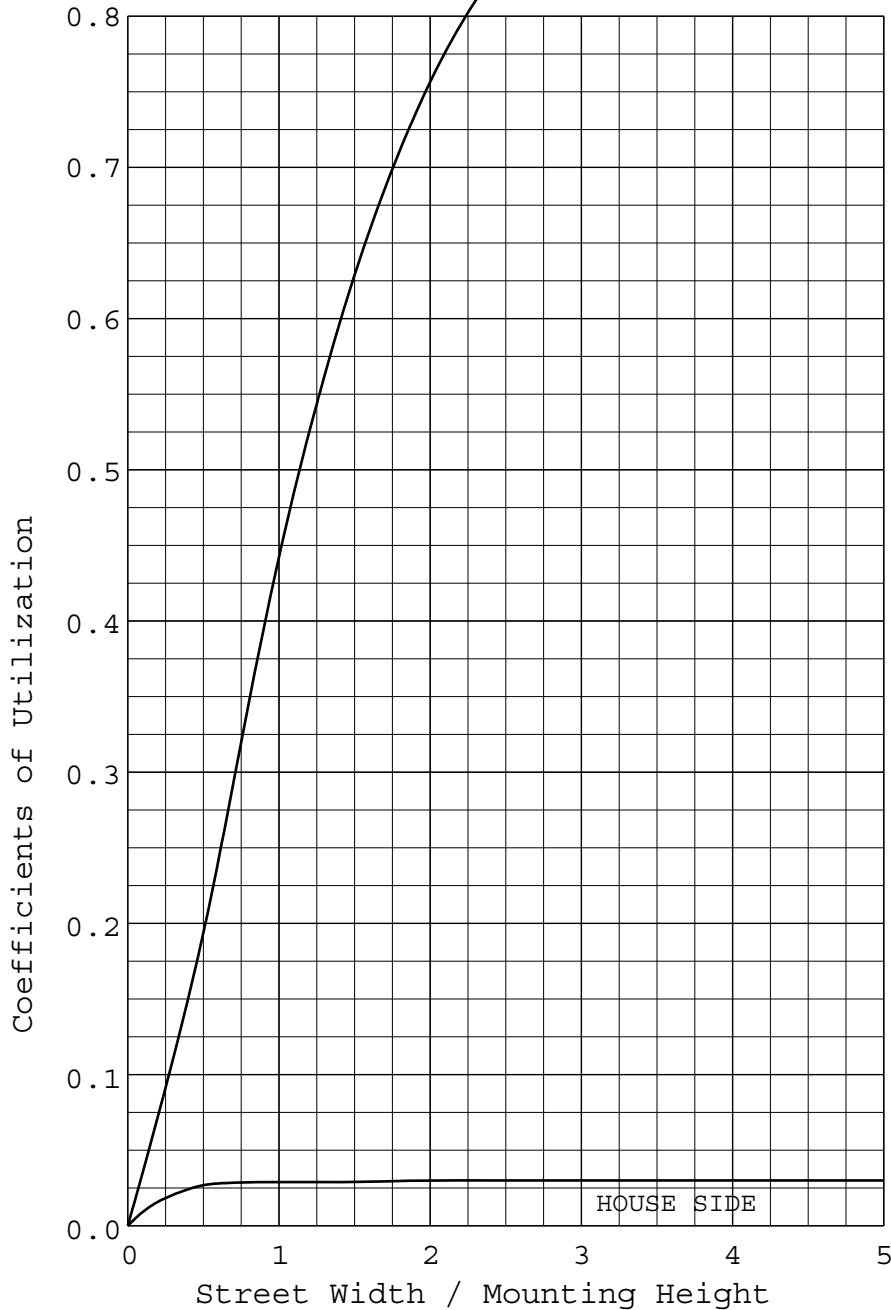


STREET SIDE

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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	9843.	96.9
DOWNWARD HOUSE SIDE	314.	3.1
DOWNWARD TOTAL	10157.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	10157.	100.0
TOTAL INPUT WATTS = 77.1		
EFFICACY = 131.7 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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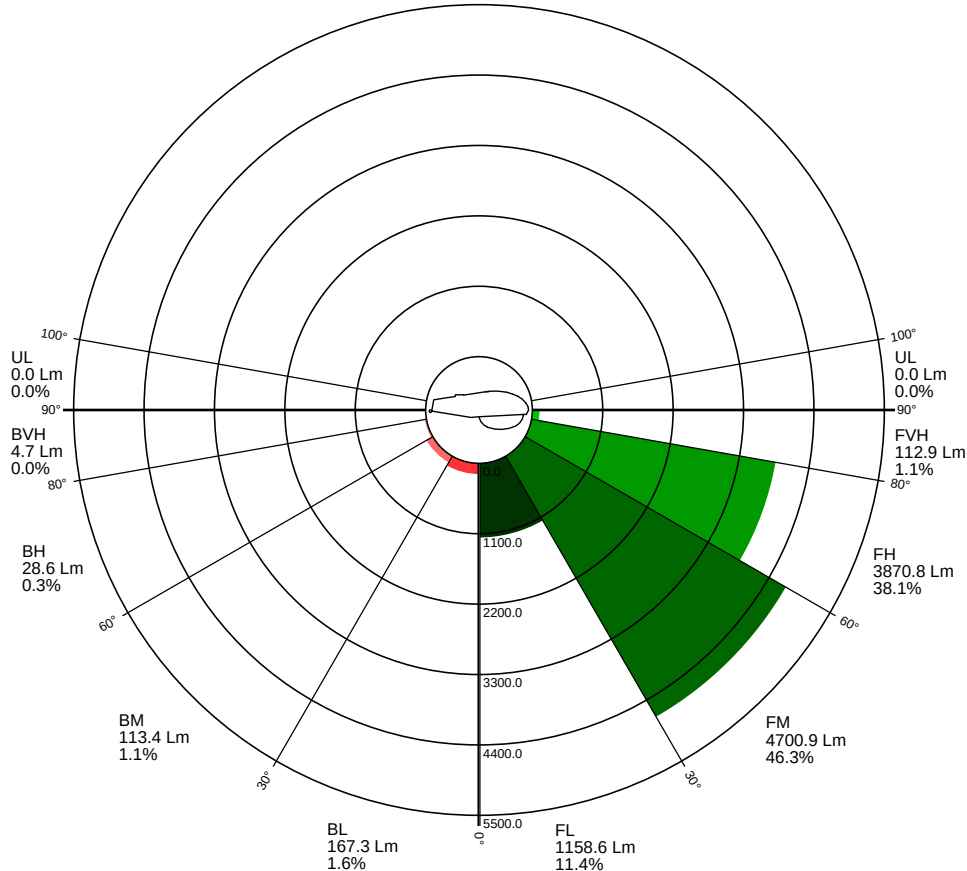
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BUG Rating:				B1 U0 G2		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		9843	96.9			
FL	(0° - 30°)	1158.6	11.4			
FM	(30° - 60°)	4700.9	46.3			
FH	(60° - 80°)	3870.8	38.1			G2
FVH	(80° - 90°)	112.9	1.1			G2
Backward		314	3.1			
BL	(0° - 30°)	167.3	1.6	B1		
BM	(30° - 60°)	113.4	1.1	B0		
BH	(60° - 80°)	28.6	0.3	B0		G0
BVH	(80° - 90°)	4.7	0.0			G0
Upward		0	0.0			
UL	(90° - 100°)	0.0	0.0		U0	
UH	(100° - 180°)	0.0	0.0		U0	
Trapped Light		0	0.0			
Total Flux		10157	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

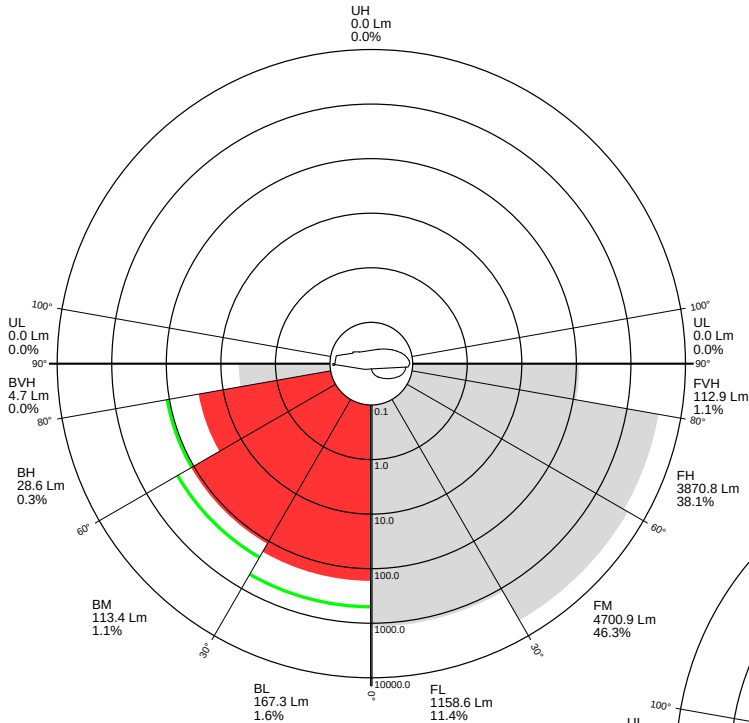


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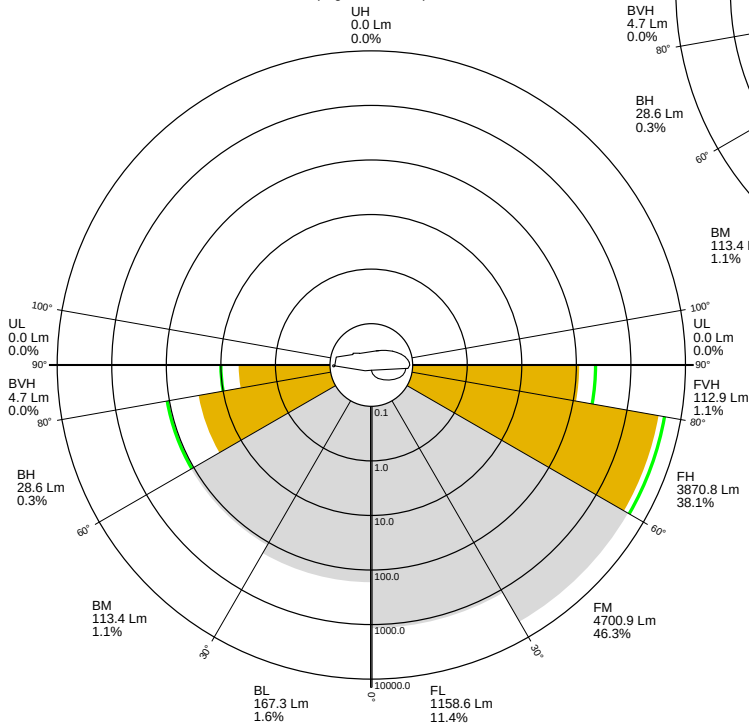
Backlight Rating Details

(Logarithmic scale)



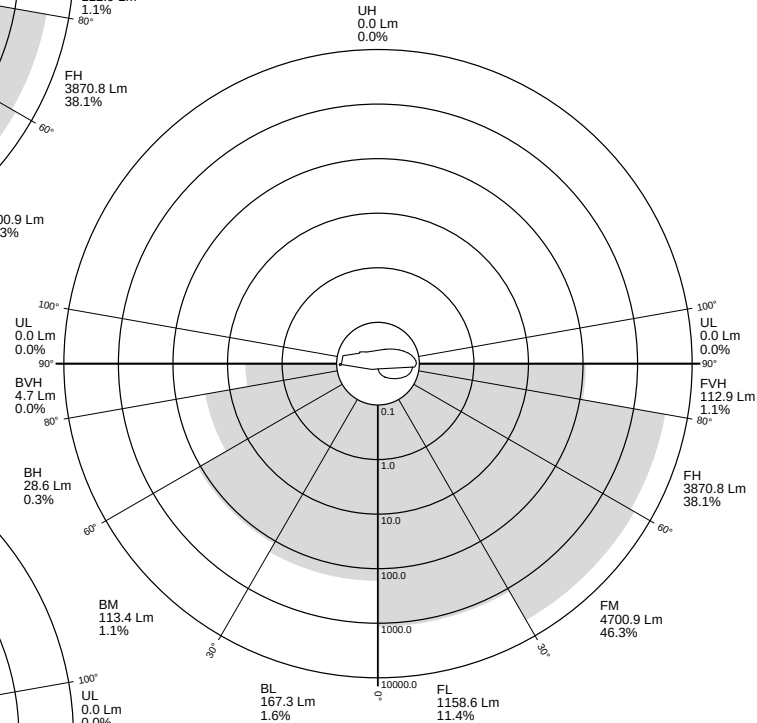
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET SIDE	LATERAL ANGLE								
		0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0 85.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	23.	18.	20.	21.	14.	12.	15.	14.	14.
	85.0	38.	38.	94.	142.	118.	67.	51.	40.	25.
	82.5	160.	151.	292.	420.	540.	425.	297.	159.	64.
V	80.0	1280.	1224.	1531.	1575.	1402.	1090.	968.	619.	254.
E	77.5	2852.	2728.	3131.	3070.	2875.	2178.	1606.	976.	466.
R	75.0	4333.	4184.	4602.	4631.	4414.	3295.	2170.	1203.	569.
T	72.5	6289.	6225.	6388.	6338.	5485.	4211.	2787.	1576.	843.
I	70.0	7732.	7535.	7402.	7000.	6041.	4551.	3417.	2303.	1324.
C	67.5	7922.	7700.	7658.	6992.	6374.	4780.	3725.	2924.	1817.
A	65.0	7901.	7546.	7711.	7061.	6488.	4840.	3933.	3017.	2100.
L	63.0<<	8141.	7659.	7712.	7053.	6586.	5117.	3931.	3107.	2269.
	62.5	8094.	7615.	7694.	7027.	6598.	5201.	3933.	3100.	2301.
A	60.0	8078.	7447.	7329.	6888.	6500.	5631.	4087.	3020.	2321.
N	57.5	7485.	6861.	6772.	6537.	6021.	5551.	4324.	2996.	2168.
G	55.0	6796.	6325.	6322.	6186.	5458.	5477.	4390.	3000.	1975.
L	52.5	6839.	6447.	6208.	5933.	5378.	5082.	4077.	2940.	1906.
E	50.0	6776.	6477.	6225.	5722.	5086.	4547.	3791.	2814.	1969.
	47.5	6901.	6622.	6154.	5699.	5090.	4349.	3603.	2707.	2015.
	45.0	6797.	6576.	6127.	5596.	4858.	4168.	3398.	2643.	1899.
	42.5	6447.	6297.	5986.	5337.	4576.	4006.	3307.	2577.	1821.
	40.0	6243.	6109.	5782.	5078.	4429.	3867.	3282.	2555.	1766.
	37.5	6024.	5870.	5526.	4872.	4230.	3770.	3215.	2570.	1783.
	35.0	5877.	5657.	5133.	4664.	4053.	3684.	3150.	2494.	1809.
	30.0	5157.	5005.	4521.	4266.	3817.	3436.	2956.	2389.	1805.
	25.0	4606.	4551.	4143.	3869.	3548.	3110.	2701.	2282.	1879.
	20.0	3958.	3917.	3734.	3467.	3191.	2864.	2471.	2133.	1865.
	15.0	3337.	3305.	3198.	2987.	2757.	2530.	2298.	2066.	1883.
	10.0	2629.	2616.	2570.	2480.	2356.	2226.	2107.	1991.	1759.
	5.0	2136.	2131.	2105.	2079.	2016.	1934.	1830.	1700.	1582.
	0.0	1416.	1416.	1416.	1416.	1416.	1416.	1416.	1416.	1416.
		PLANE OF MAXIMUM CANDELA								
		CONE OF MAXIMUM CANDELA								

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CANDELA TABULATION

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.	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.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	13.	13.	13.	12.	11.	11.	10.	8.	7.	7.	7.
	85.0	14.	14.	13.	12.	11.	11.	8.	7.	6.	6.	6.
	82.5	19.	16.	13.	12.	11.	10.	8.	7.	5.	4.	4.
V	80.0	39.	19.	15.	12.	11.	10.	8.	6.	4.	4.	3.
E	77.5	67.	27.	15.	13.	11.	10.	7.	6.	4.	3.	3.
R	75.0	143.	45.	17.	13.	11.	10.	7.	6.	4.	3.	3.
T	72.5	181.	67.	18.	14.	11.	10.	7.	6.	4.	3.	3.
I	70.0	315.	120.	21.	14.	12.	10.	7.	6.	4.	3.	3.
C	67.5	502.	149.	27.	15.	15.	11.	7.	6.	4.	3.	3.
A	65.0	610.	168.	32.	16.	13.	12.	8.	6.	4.	4.	4.
L	63.0<<	604.	189.	34.	21.	13.	12.	10.	6.	5.	4.	5.
	62.5	603.	198.	35.	22.	13.	12.	11.	6.	5.	4.	4.
A	60.0	613.	256.	36.	26.	13.	11.	14.	10.	5.	4.	4.
N	57.5	684.	299.	45.	27.	14.	12.	10.	14.	10.	7.	7.
G	55.0	740.	321.	63.	29.	17.	12.	11.	12.	13.	12.	12.
L	52.5	722.	351.	99.	29.	20.	14.	13.	12.	12.	12.	12.
E	50.0	718.	368.	141.	33.	24.	16.	15.	17.	12.	11.	10.
	47.5	734.	394.	172.	41.	30.	18.	13.	13.	12.	11.	10.
	45.0	743.	433.	213.	43.	33.	20.	16.	11.	11.	10.	10.
	42.5	792.	479.	237.	45.	34.	24.	17.	13.	11.	10.	10.
	40.0	853.	523.	236.	61.	33.	32.	20.	19.	13.	11.	11.
	37.5	877.	580.	252.	110.	31.	33.	32.	24.	18.	16.	17.
	35.0	924.	636.	280.	173.	33.	32.	43.	38.	26.	23.	25.
	30.0	1027.	736.	364.	235.	90.	38.	35.	37.	41.	42.	50.
	25.0	1150.	862.	518.	337.	252.	98.	43.	35.	33.	34.	37.
	20.0	1171.	932.	632.	406.	328.	243.	183.	105.	68.	58.	55.
	15.0	1249.	1037.	840.	554.	409.	338.	309.	273.	244.	229.	224.
	10.0	1328.	1174.	980.	859.	654.	544.	481.	428.	408.	395.	384.
	5.0	1368.	1294.	1161.	1073.	1016.	969.	940.	899.	882.	849.	832.
	0.0	1416.	1416.	1416.	1416.	1416.	1416.	1416.	1416.	1416.	1416.	1416.
		CONE OF MAXIMUM CANDELA										

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	34
5- 10	102
10- 15	173
15- 20	251
20- 25	337
25- 30	430
30- 35	527
35- 40	634
40- 45	742
45- 50	853
50- 55	958
55- 60	1100
60- 65	1208
65- 70	1202
70- 75	977
75- 80	512
80- 85	109
85- 90	9
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	136
0- 20	560
0- 30	1326
0- 40	2487
0- 50	4082
0- 60	6140
0- 70	8550
0- 80	10040
0- 90	10157
0-100	10157
0-110	10157
0-120	10157
0-130	10157
0-140	10157
0-150	10157
0-160	10157
0-170	10157
0-180	10157