

REPORT NUMBER: PRORATED FROM RAB04361

PAGE: 1 OF 10

ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T105Y/480 - RWLED4T105Y/480 - RWLED4T105SFY/480 - WPLED4T105Y/480 (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.

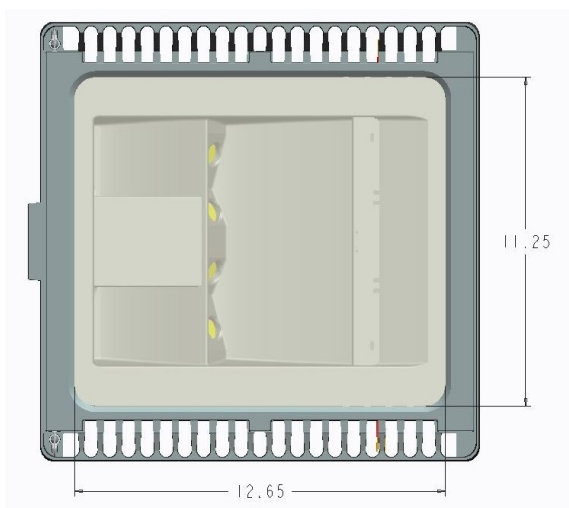
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04361 WHICH WAS ALED4T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 108.3 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: 2 x RDD-H65-36A-A1400-480

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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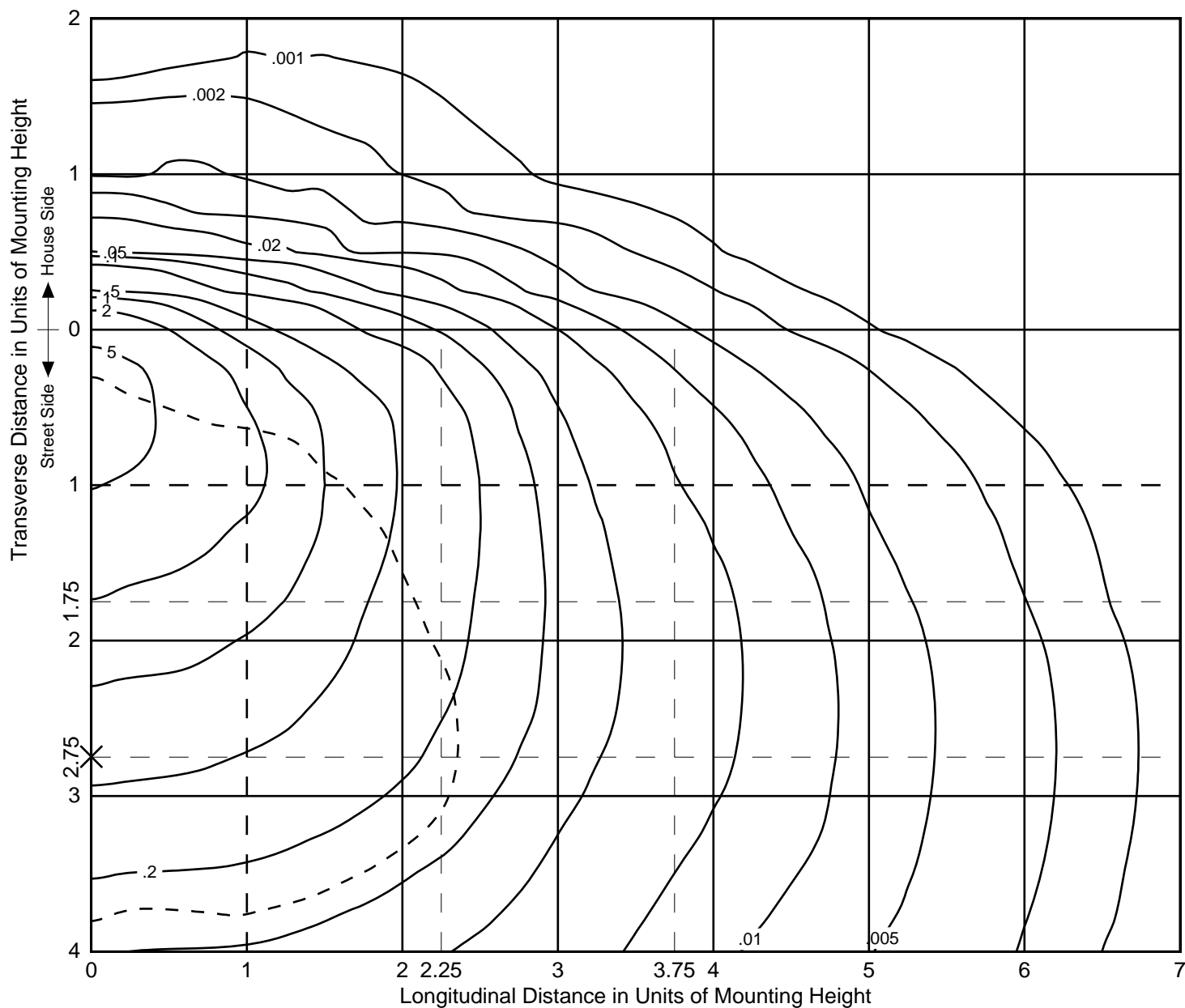
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IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — - 1/2 Maximum Candela trace

✕ Maximum Candela point



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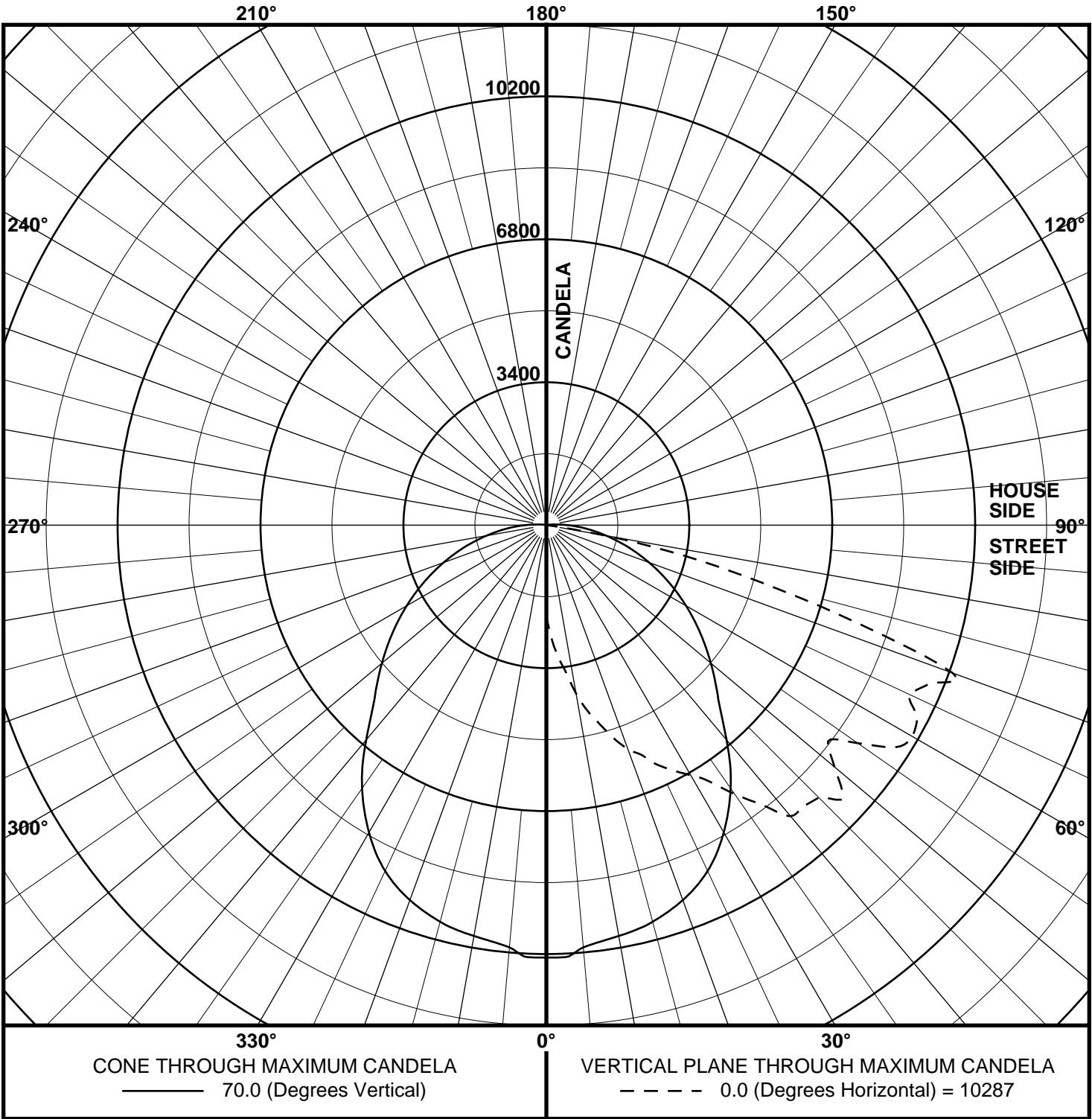
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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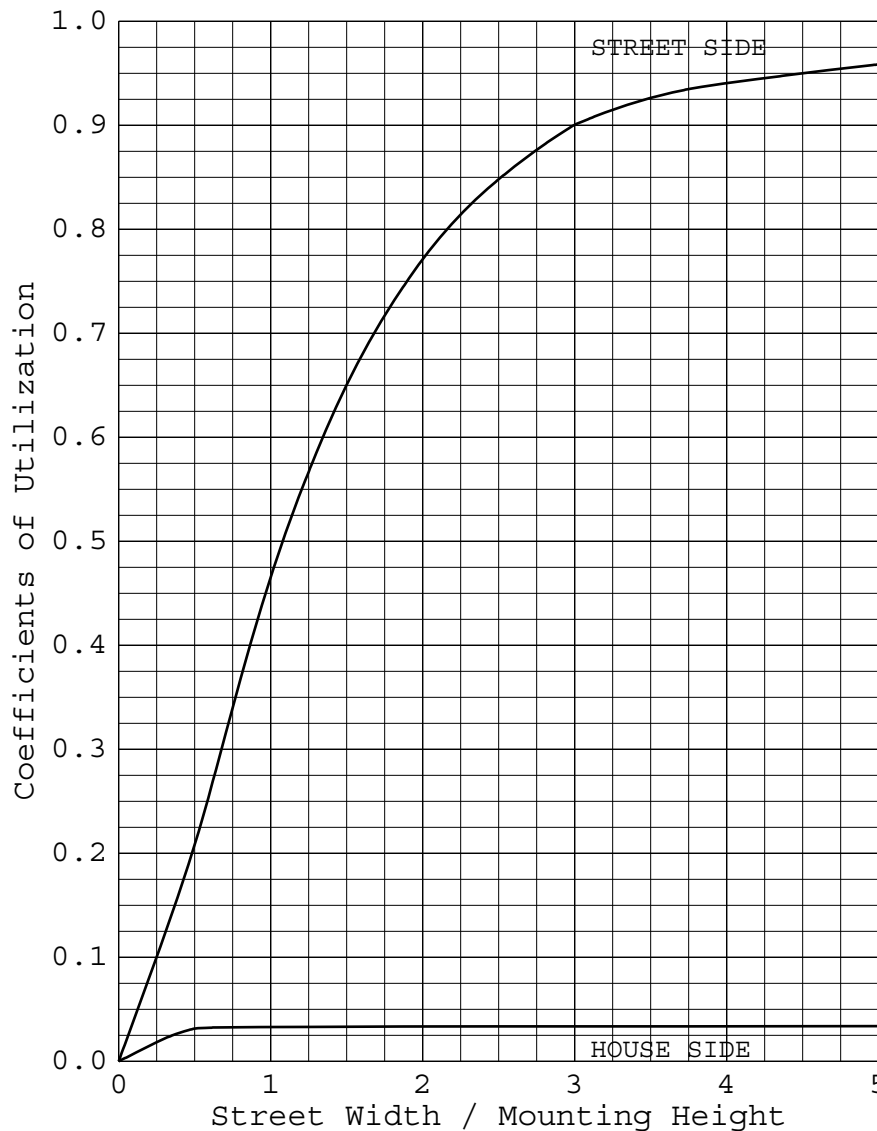
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	13300	96.5
DOWNWARD HOUSE SIDE	476	3.5
DOWNWARD TOTAL	13777	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	13777	100.0

EFFICACY = 127.2 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		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		13300	96.5			
FL	(0° – 30°)	1666.5	12.1			
FM	(30° – 60°)	6509.3	47.2			
FH	(60° – 80°)	4999.5	36.3			G2
FVH	(80° – 90°)	125.0	0.9			G2
Backward		476	3.5			
BL	(0° – 30°)	258.9	1.9	B1		
BM	(30° – 60°)	170.7	1.2	B0		
BH	(60° – 80°)	41.0	0.3	B0		G0
BVH	(80° – 90°)	5.8	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		13777	100.0			

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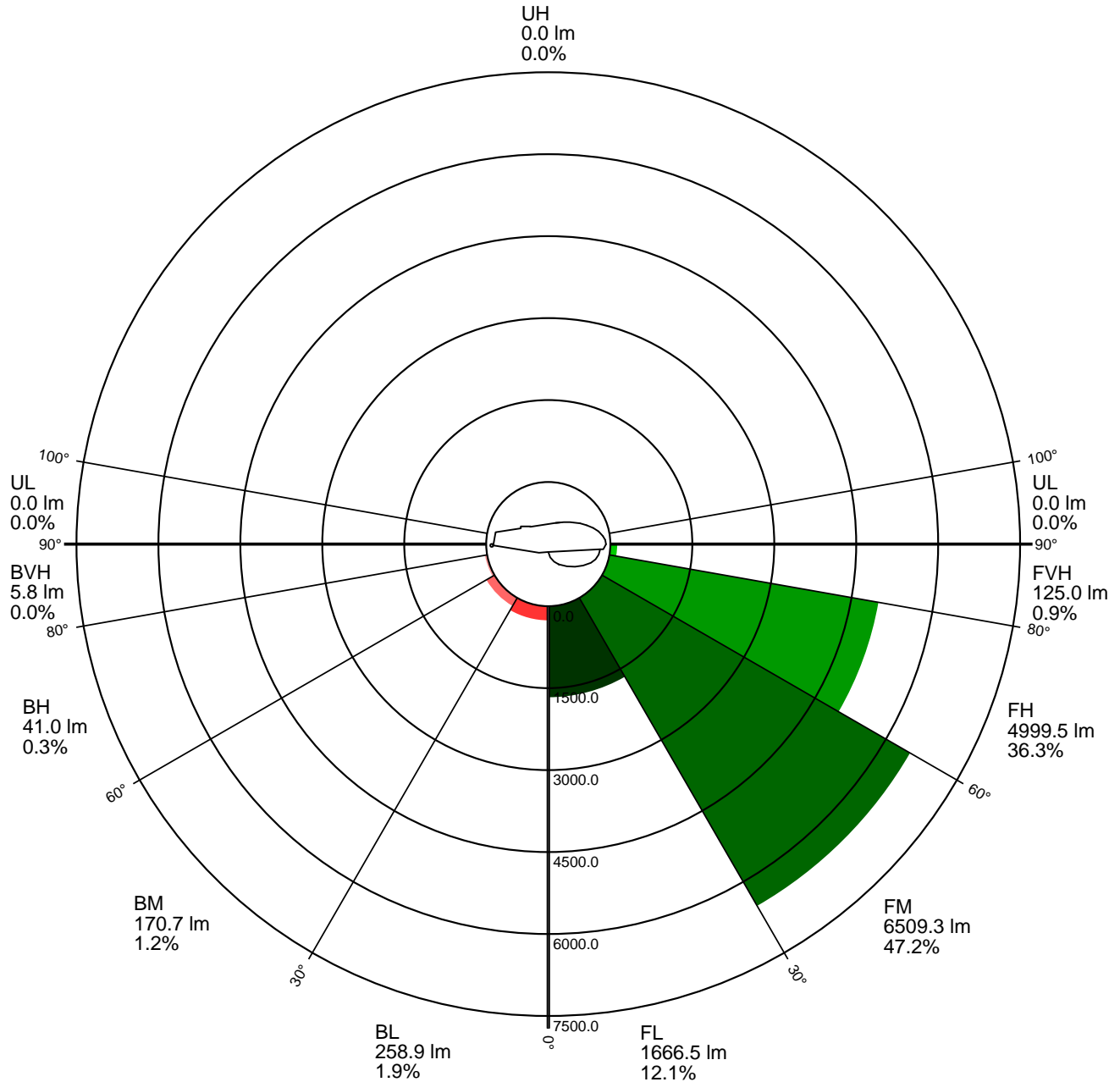
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Zonal Lumen Summary

(Linear scale)



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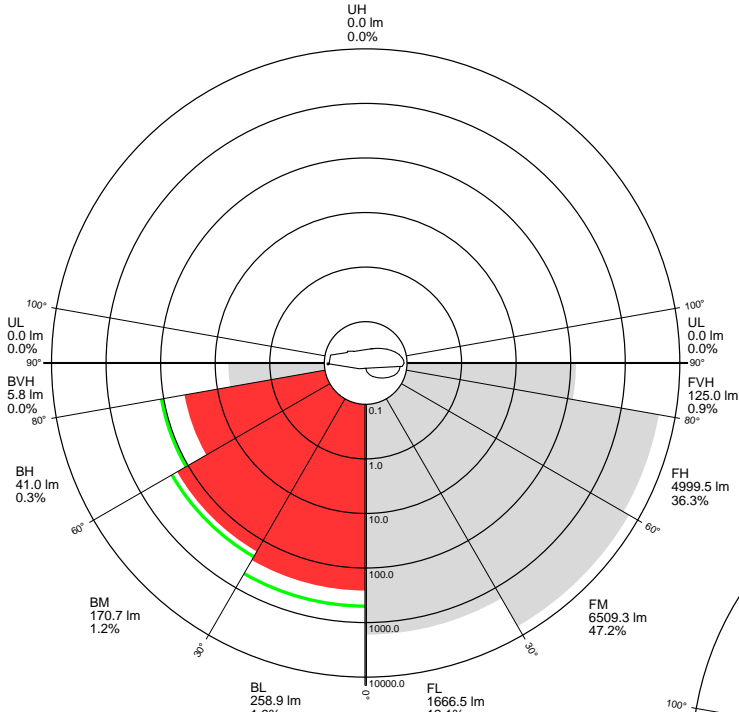
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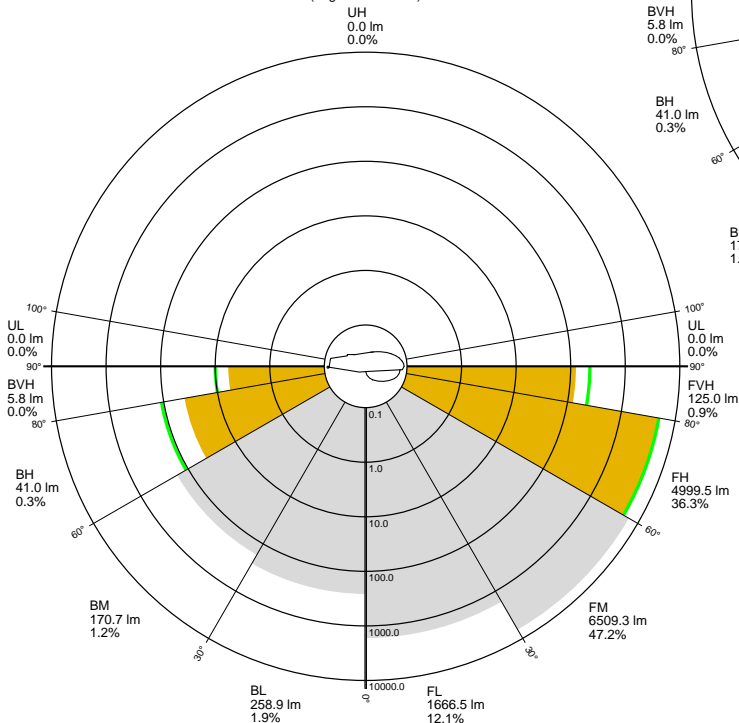
Backlight Rating Details

(Logarithmic scale)



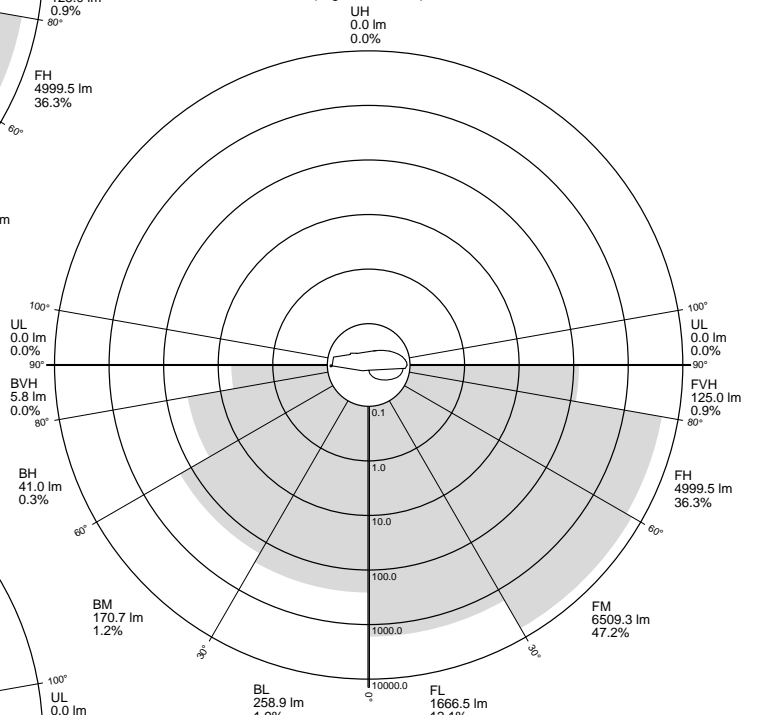
Glare Rating Details

(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	85.0	
	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	15.	15.	14.	14.	12.	12.	14.	17.	17.	16.	
	85.0	39.	38.	36.	81.	138.	102.	66.	54.	64.	27.	
V	82.5	143.	135.	121.	241.	415.	528.	466.	328.	211.	93.	
E	80.0	1387.	1335.	1248.	1571.	1827.	1654.	1336.	1247.	821.	392.	
R	77.5	3346.	3268.	3161.	3644.	3636.	3383.	2528.	2055.	1348.	673.	
T	75.0	5351.	5244.	5081.	5608.	5685.	5587.	4368.	2790.	1694.	896.	
I	72.5	7790.	7653.	7416.	8119.	8291.	7153.	5347.	3627.	2264.	1234.	
C	70.0	<10287.	10287.	10081.	9767.	9076.	7644.	5773.	4466.	3214.	2007.	
A	67.5	9862.	9660.	9502.	9358.	8800.	8087.	6243.	4952.	3957.	2669.	
L	65.0	9544.	9434.	9195.	9457.	8923.	8321.	6513.	5333.	4281.	3177.	
	62.5	9941.	9758.	9397.	9560.	8998.	8650.	7176.	5405.	4324.	3411.	
A	60.0	10047.	9735.	9278.	9223.	9050.	8972.	7821.	5834.	4266.	3354.	
N	57.5	9832.	9485.	8966.	8734.	8594.	7973.	7666.	6277.	4301.	3142.	
G	55.0	9036.	8768.	8330.	8102.	7887.	7430.	7625.	6346.	4338.	2966.	
L	52.5	8446.	8297.	7964.	7701.	7618.	7216.	7087.	5861.	4239.	2842.	
E	50.0	8952.	8833.	8607.	8375.	7964.	6972.	6766.	5512.	4132.	2885.	
	47.5	9571.	9463.	9177.	8410.	7803.	7296.	6234.	5138.	4002.	2911.	
	45.0	9169.	9114.	8912.	8220.	7974.	7108.	5769.	4770.	3875.	2819.	
	42.5	9069.	9041.	8930.	8478.	7851.	6459.	5475.	4604.	3793.	2737.	
	40.0	9039.	8995.	8884.	8352.	7168.	6116.	5299.	4596.	3768.	2690.	
	37.5	8361.	8309.	8212.	7646.	6681.	5849.	5157.	4521.	3765.	2783.	
	35.0	7809.	7763.	7646.	7035.	6312.	5600.	5084.	4438.	3662.	2807.	
	32.5	7233.	7200.	7104.	6515.	5984.	5382.	4897.	4358.	3569.	2760.	
	30.0	6870.	6840.	6759.	6128.	5760.	5207.	4704.	4187.	3540.	2754.	
	25.0	6300.	6291.	6236.	5698.	5300.	4864.	4411.	3942.	3433.	2783.	
	20.0	5675.	5673.	5646.	5357.	4960.	4561.	4163.	3726.	3192.	2720.	
	15.0	4897.	4887.	4872.	4723.	4449.	4113.	3784.	3394.	3017.	2735.	
	10.0	4063.	4048.	4065.	3917.	3766.	3512.	3283.	3077.	2876.	2599.	
	5.0	3131.	3144.	3135.	3101.	3040.	2963.	2879.	2735.	2575.	2408.	
	0.0	2166.	2166.	2166.	2166.	2166.	2166.	2166.	2166.	2166.	2166.	

||
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	17.	17.	16.	15.	14.	14.	12.	10.	8.	7.	7.
	85.0	18.	17.	16.	15.	14.	13.	11.	9.	6.	5.	5.
	82.5	25.	21.	17.	15.	14.	12.	10.	8.	5.	3.	3.
	80.0	59.	24.	18.	14.	13.	11.	10.	7.	4.	2.	2.
	77.5	115.	39.	20.	15.	13.	11.	9.	6.	4.	2.	1.
	75.0	215.	68.	20.	16.	13.	10.	9.	6.	3.	1.	0.
	72.5	325.	101.	21.	17.	12.	10.	8.	6.	3.	1.	0.
	70.0<<	516.	172.	24.	18.	14.	10.	8.	6.	3.	1.	0.
	67.5	774.	228.	32.	18.	16.	11.	8.	6.	3.	1.	0.
	65.0	938.	293.	43.	19.	16.	13.	8.	6.	3.	1.	0.
	62.5	946.	348.	50.	19.	15.	12.	11.	6.	3.	1.	0.
	60.0	968.	422.	46.	38.	14.	13.	11.	9.	3.	1.	0.
	57.5	1129.	478.	70.	40.	15.	13.	11.	10.	7.	5.	6.
	55.0	1167.	557.	100.	36.	18.	14.	12.	10.	9.	8.	7.
	52.5	1129.	626.	141.	34.	20.	14.	15.	12.	9.	9.	8.
	50.0	1116.	618.	183.	38.	30.	16.	13.	18.	13.	10.	9.
	47.5	1105.	633.	211.	56.	38.	17.	13.	10.	8.	8.	8.
	45.0	1150.	702.	276.	62.	42.	22.	15.	9.	8.	7.	8.
	42.5	1268.	796.	336.	64.	42.	34.	16.	12.	8.	7.	8.
	40.0	1330.	878.	341.	95.	43.	40.	26.	17.	10.	9.	10.
	37.5	1381.	944.	384.	154.	40.	38.	45.	33.	18.	14.	15.
	35.0	1469.	1019.	436.	243.	46.	40.	54.	52.	37.	30.	32.
	32.5	1537.	1088.	505.	289.	63.	45.	46.	50.	50.	49.	54.
	30.0	1630.	1196.	623.	318.	139.	49.	42.	40.	44.	48.	55.
25.0	1794.	1390.	858.	466.	330.	169.	56.	43.	41.	43.	45.	
20.0	1840.	1495.	1023.	675.	435.	316.	227.	147.	92.	79.	73.	
15.0	1962.	1667.	1319.	930.	676.	489.	407.	354.	313.	299.	293.	
10.0	2050.	1861.	1538.	1349.	1078.	911.	786.	697.	646.	636.	621.	
5.0	2114.	2019.	1859.	1723.	1600.	1526.	1462.	1419.	1359.	1308.	1324.	
0.0	2166.	2166.	2166.	2166.	2166.	2166.	2166.	2166.	2166.	2166.	2166.	

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	52
5- 10	154
10- 15	259
15- 20	369
20- 25	485
25- 30	605
30- 35	736
35- 40	895
40- 45	1057
45- 50	1199
50- 55	1303
55- 60	1490
60- 65	1593
65- 70	1557
70- 75	1264
75- 80	627
80- 85	122
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	206
0- 20	835
0- 30	1925
0- 40	3557
0- 50	5813
0- 60	8605
0- 70	11755
0- 80	13646
0- 90	13777
0-100	13777
0-110	13777
0-120	13777
0-130	13777
0-140	13777
0-150	13777
0-160	13777
0-170	13777
0-180	13777