

REPORT NUMBER: PRORATED FROM RAB04361

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ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T125/480 - RWLED4T125/480 - RWLED4T125SF/480 -
WPLED4T125/480 (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.

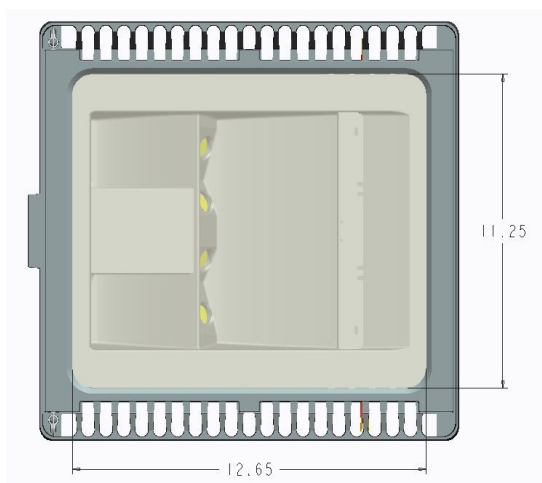
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04361 WHICH WAS
ALED4T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 134.7 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: 2 x RD-H065-A1810-480

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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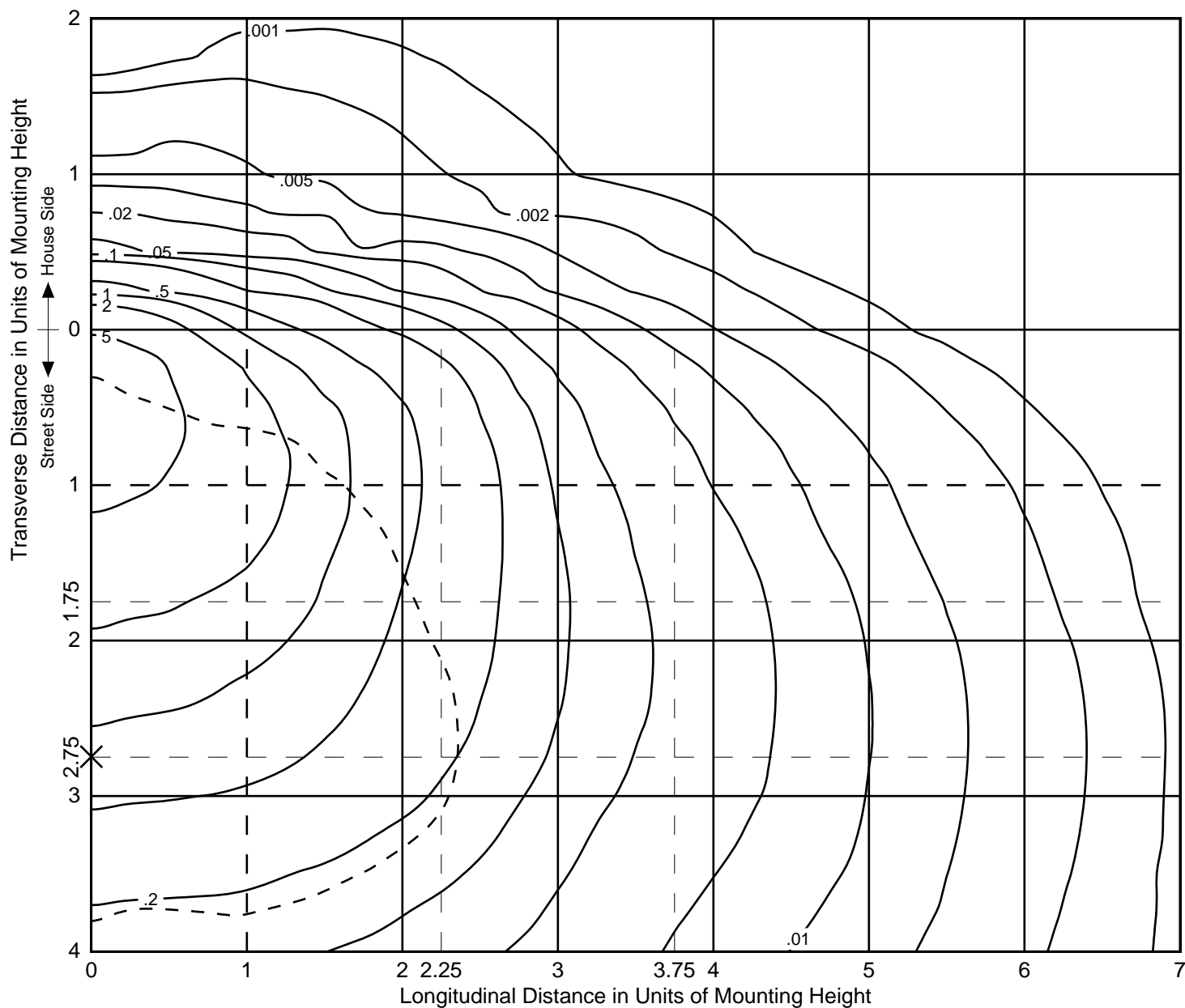
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IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — - 1/2 Maximum Candela trace

✕ Maximum Candela point



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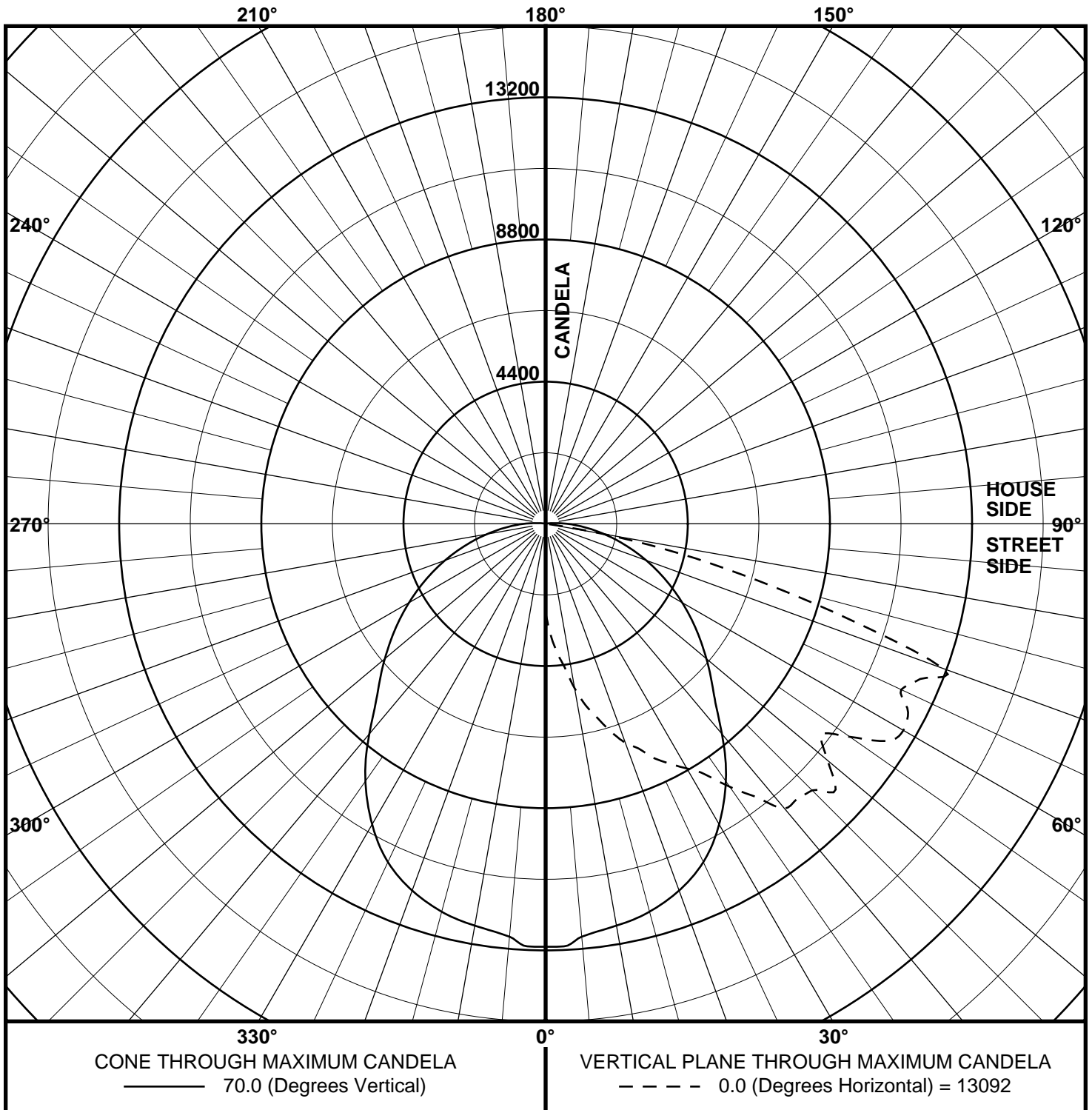
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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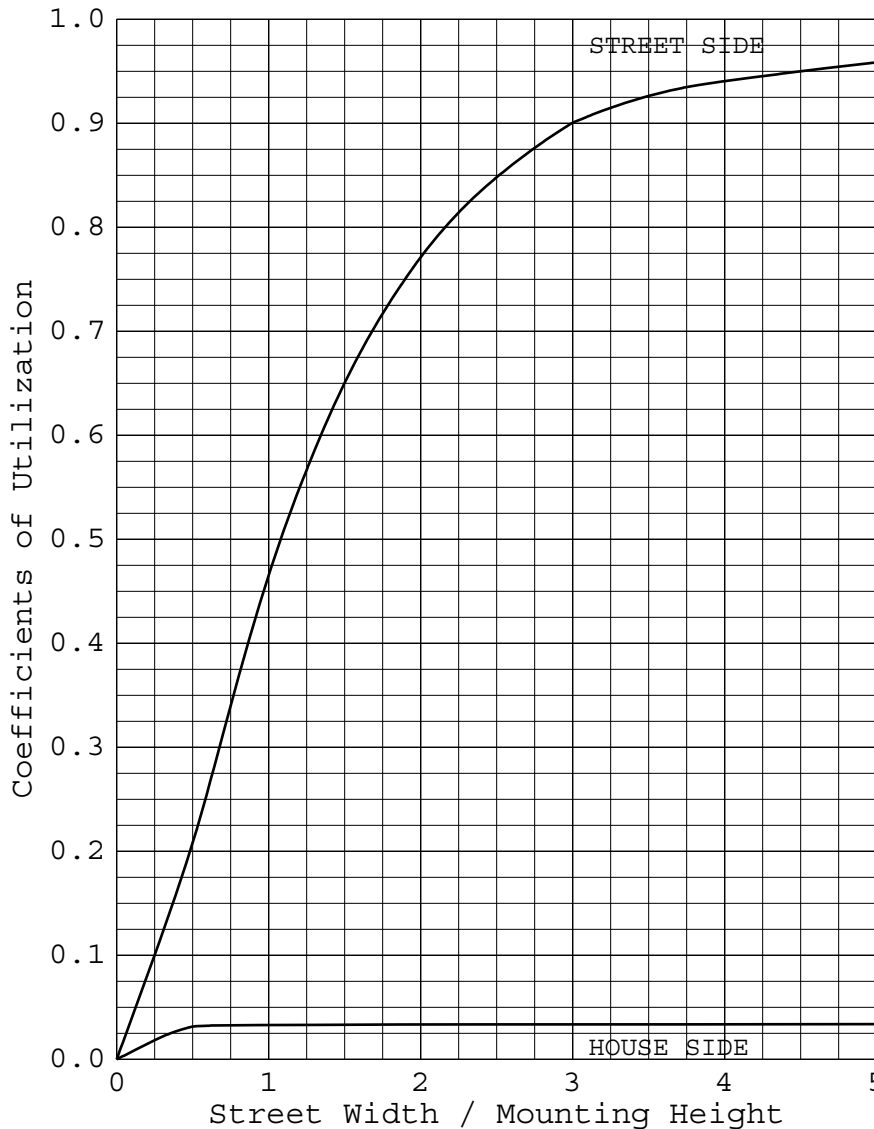
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	16926	96.5
DOWNWARD HOUSE SIDE	606	3.5
DOWNWARD TOTAL	17533	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	17533	100.0

EFFICACY = 130.2 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

Zonal Summary

Lumens

% of Fixture

B1 U0 G3

Zone Ratings

B U G

Forward		16926	96.5			
FL	(0° – 30°)	2120.9	12.1			
FM	(30° – 60°)	8283.9	47.2			
FH	(60° – 80°)	6362.5	36.3			G3
FVH	(80° – 90°)	159.1	0.9			G2
Backward		606	3.5			
BL	(0° – 30°)	329.5	1.9	B1		
BM	(30° – 60°)	217.3	1.2	B0		
BH	(60° – 80°)	52.2	0.3	B0		G0
BVH	(80° – 90°)	7.3	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		17533	100.0			

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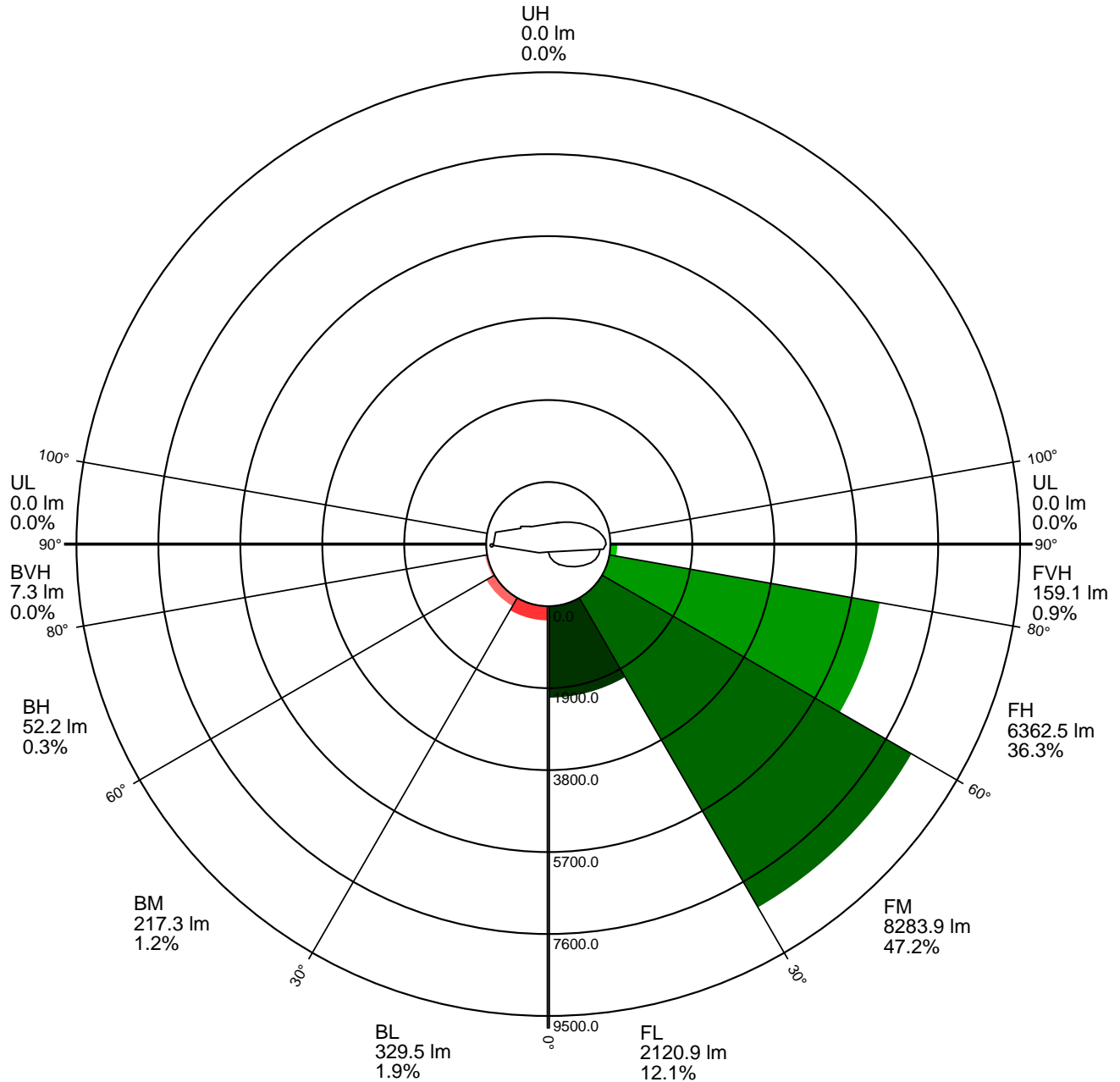
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Zonal Lumen Summary

(Linear scale)



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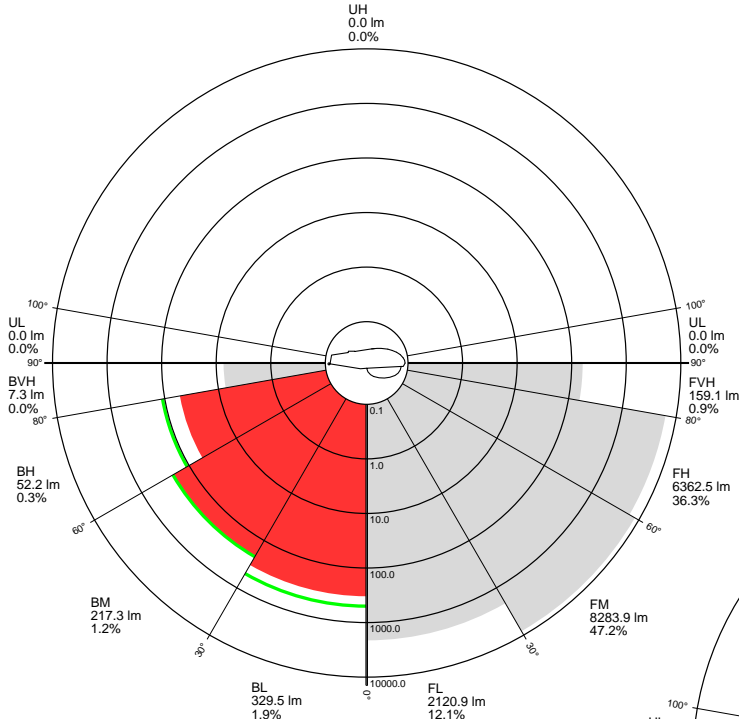
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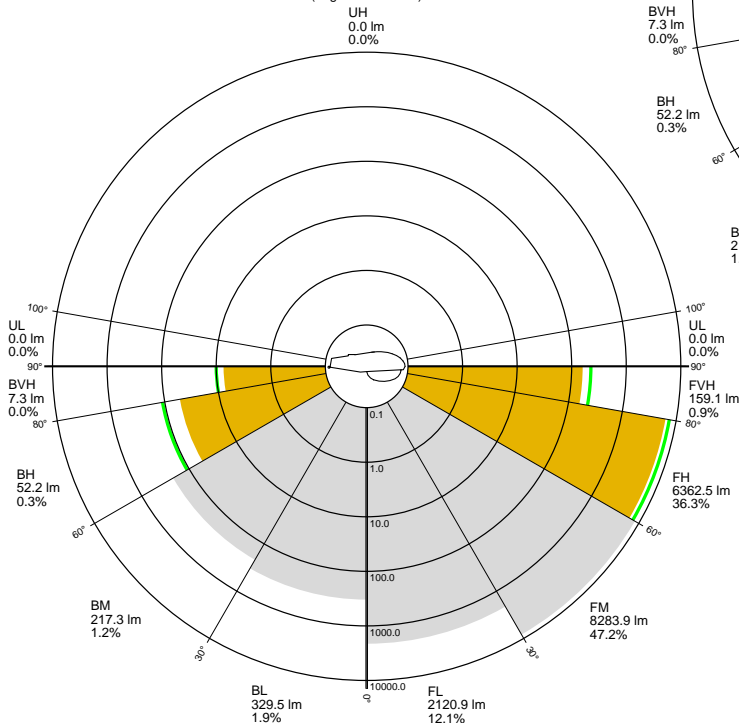
Backlight Rating Details

(Logarithmic scale)



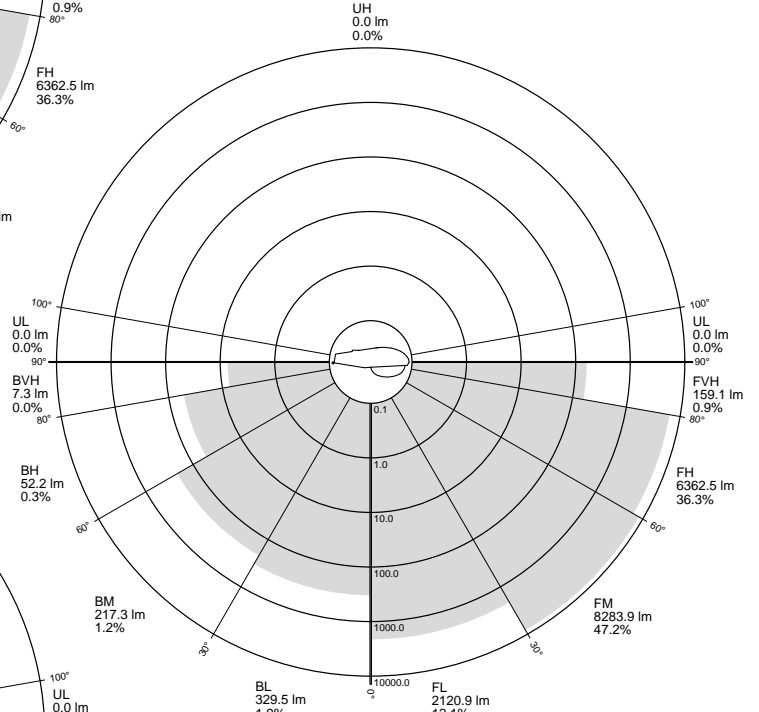
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET SIDE										
	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.	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	19.	19.	17.	18.	15.	15.	18.	21.	21.	20.	21.
85.0	50.	48.	46.	103.	175.	130.	84.	68.	82.	35.	23.
V 82.5	181.	171.	154.	307.	528.	672.	593.	417.	268.	118.	44.
E 80.0	1765.	1699.	1589.	1999.	2326.	2105.	1700.	1587.	1045.	498.	189.
R 77.5	4259.	4159.	4022.	4638.	4628.	4306.	3217.	2615.	1716.	856.	365.
T 75.0	6809.	6674.	6466.	7137.	7234.	7110.	5559.	3550.	2155.	1140.	530.
I 72.5	9913.	9739.	9438.	10332.	10551.	9103.	6805.	4615.	2881.	1570.	773.
C 70.0	<13092.	13092.	12829.	12430.	11550.	9728.	7346.	5683.	4091.	2555.	1201.
A 67.5	12551.	12294.	12092.	11910.	11198.	10292.	7945.	6302.	5035.	3397.	1778.
L 65.0	12146.	12006.	11702.	12035.	11355.	10590.	8288.	6787.	5448.	4043.	2140.
62.5	12652.	12418.	11959.	12167.	11451.	11008.	9132.	6879.	5503.	4341.	2179.
A 60.0	12786.	12389.	11807.	11738.	11517.	11418.	9953.	7425.	5430.	4269.	2016.
N 57.5	12513.	12071.	11410.	11115.	10937.	10147.	9757.	7988.	5473.	3999.	1930.
G 55.0	11499.	11159.	10601.	10311.	10037.	9456.	9704.	8076.	5521.	3775.	1976.
L 52.5	10749.	10559.	10135.	9800.	9694.	9184.	9019.	7459.	5395.	3617.	1963.
E 50.0	11393.	11241.	10953.	10658.	10136.	8873.	8610.	7015.	5258.	3672.	2031.
47.5	12180.	12042.	11679.	10703.	9930.	9286.	7933.	6539.	5093.	3704.	2031.
45.0	11668.	11599.	11342.	10461.	10148.	9046.	7342.	6071.	4931.	3588.	2123.
42.5	11541.	11505.	11365.	10789.	9992.	8220.	6967.	5860.	4827.	3483.	2258.
40.0	11503.	11447.	11305.	10629.	9122.	7784.	6743.	5848.	4796.	3423.	2320.
37.5	10641.	10575.	10451.	9730.	8502.	7443.	6563.	5754.	4792.	3542.	2378.
35.0	9938.	9879.	9731.	8953.	8033.	7126.	6470.	5648.	4660.	3573.	2525.
32.5	9205.	9163.	9041.	8291.	7615.	6849.	6232.	5546.	4542.	3513.	2615.
30.0	8744.	8705.	8602.	7799.	7330.	6626.	5986.	5329.	4505.	3505.	2714.
25.0	8018.	8006.	7936.	7252.	6745.	6190.	5614.	5017.	4369.	3542.	2854.
20.0	7222.	7219.	7185.	6818.	6312.	5805.	5298.	4742.	4062.	3462.	2820.
15.0	6233.	6219.	6200.	6010.	5662.	5235.	4815.	4319.	3840.	3480.	2871.
10.0	5171.	5151.	5173.	4985.	4793.	4470.	4178.	3916.	3659.	3308.	2856.
5.0	3985.	4001.	3990.	3946.	3869.	3771.	3664.	3481.	3277.	3064.	2812.
0.0	2757.	2757.	2757.	2757.	2757.	2757.	2757.	2757.	2757.	2757.	2757.

||
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
	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	21.	21.	20.	19.	18.	17.	15.	12.	10.	9. 9.
	85.0	22.	21.	20.	19.	17.	16.	14.	11.	8.	6. 6.
V	82.5	32.	26.	21.	19.	17.	15.	13.	10.	6.	4. 4.
E	80.0	75.	31.	23.	18.	16.	14.	12.	9.	5.	2. 2.
R	77.5	147.	50.	25.	19.	16.	14.	11.	8.	5.	2. 1.
T	75.0	274.	87.	25.	20.	16.	13.	11.	8.	4.	1. 0.
I	72.5	414.	128.	26.	21.	15.	13.	10.	7.	4.	1. 0.
C	70.0<<	656.	219.	31.	22.	18.	13.	10.	7.	4.	1. 0.
A	67.5	985.	290.	41.	22.	20.	14.	10.	7.	4.	1. 0.
L	65.0	1194.	373.	55.	24.	20.	16.	10.	7.	4.	1. 0.
	62.5	1205.	443.	63.	24.	19.	15.	14.	7.	4.	1. 0.
A	60.0	1232.	537.	59.	48.	18.	16.	14.	11.	4.	1. 0.
N	57.5	1437.	608.	89.	51.	19.	16.	14.	13.	9.	6. 7.
G	55.0	1485.	709.	127.	46.	22.	18.	15.	13.	11.	10. 9.
L	52.5	1437.	797.	179.	44.	25.	18.	19.	15.	11.	11. 10.
E	50.0	1421.	787.	232.	49.	38.	20.	16.	22.	16.	12. 11.
	47.5	1406.	805.	268.	71.	48.	21.	16.	12.	10.	10. 10.
	45.0	1463.	894.	352.	78.	53.	28.	19.	11.	10.	9. 10.
	42.5	1613.	1013.	428.	82.	54.	44.	20.	15.	10.	9. 10.
	40.0	1693.	1118.	434.	121.	55.	51.	34.	21.	13.	11. 12.
	37.5	1757.	1201.	489.	196.	51.	48.	57.	42.	23.	17. 19.
	35.0	1870.	1296.	555.	310.	58.	51.	68.	66.	47.	39. 41.
	32.5	1956.	1385.	643.	368.	81.	57.	58.	64.	63.	62. 68.
	30.0	2075.	1522.	793.	405.	177.	62.	54.	51.	56.	61. 70.
	25.0	2284.	1769.	1091.	593.	420.	215.	71.	55.	52.	55. 57.
	20.0	2342.	1903.	1302.	859.	553.	403.	288.	186.	117.	101. 93.
	15.0	2497.	2122.	1678.	1184.	860.	623.	518.	450.	398.	380. 373.
	10.0	2609.	2368.	1958.	1717.	1372.	1160.	1001.	887.	822.	809. 790.
	5.0	2690.	2569.	2366.	2193.	2036.	1942.	1861.	1806.	1729.	1665. 1686.
	0.0	2757.	2757.	2757.	2757.	2757.	2757.	2757.	2757.	2757.	2757. 2757.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	66
5- 10	196
10- 15	330
15- 20	470
20- 25	617
25- 30	770
30- 35	937
35- 40	1140
40- 45	1345
45- 50	1525
50- 55	1658
55- 60	1896
60- 65	2027
65- 70	1981
70- 75	1609
75- 80	798
80- 85	155
85- 90	11
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	263
0- 20	1063
0- 30	2450
0- 40	4527
0- 50	7397
0- 60	10952
0- 70	14960
0- 80	17366
0- 90	17533
0-100	17533
0-110	17533
0-120	17533
0-130	17533
0-140	17533
0-150	17533
0-160	17533
0-170	17533
0-180	17533