

REPORT NUMBER: PRORATED FROM RAB04361

PAGE: 1 OF 10

ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T50N/480 - RWLED4T50N/480 - RWLED4T50SFN/480 -
WPLED4T50N/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 LEDES TILTED
56-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 18-DEGREES FROM
STRAIGHT AHEAD, 2 LEDES TILTED 57-DEGREES FROM VERTICAL BASE-UP POSITION
AND CANTED 16-DEGREES FROM STRAIGHT AHEAD, 2 LEDES TILTED 57-DEGREES FROM
VERTICAL BASE-UP POSITION AND CANTED 22-DEGREES FROM STRAIGHT AHEAD.

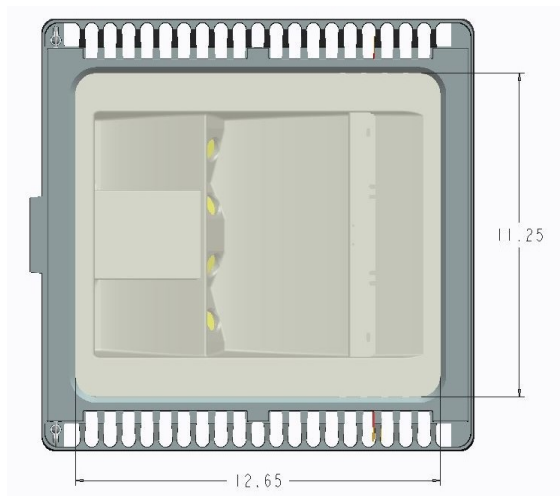
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04361 WHICH WAS
ALED4T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 53.6 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: 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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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

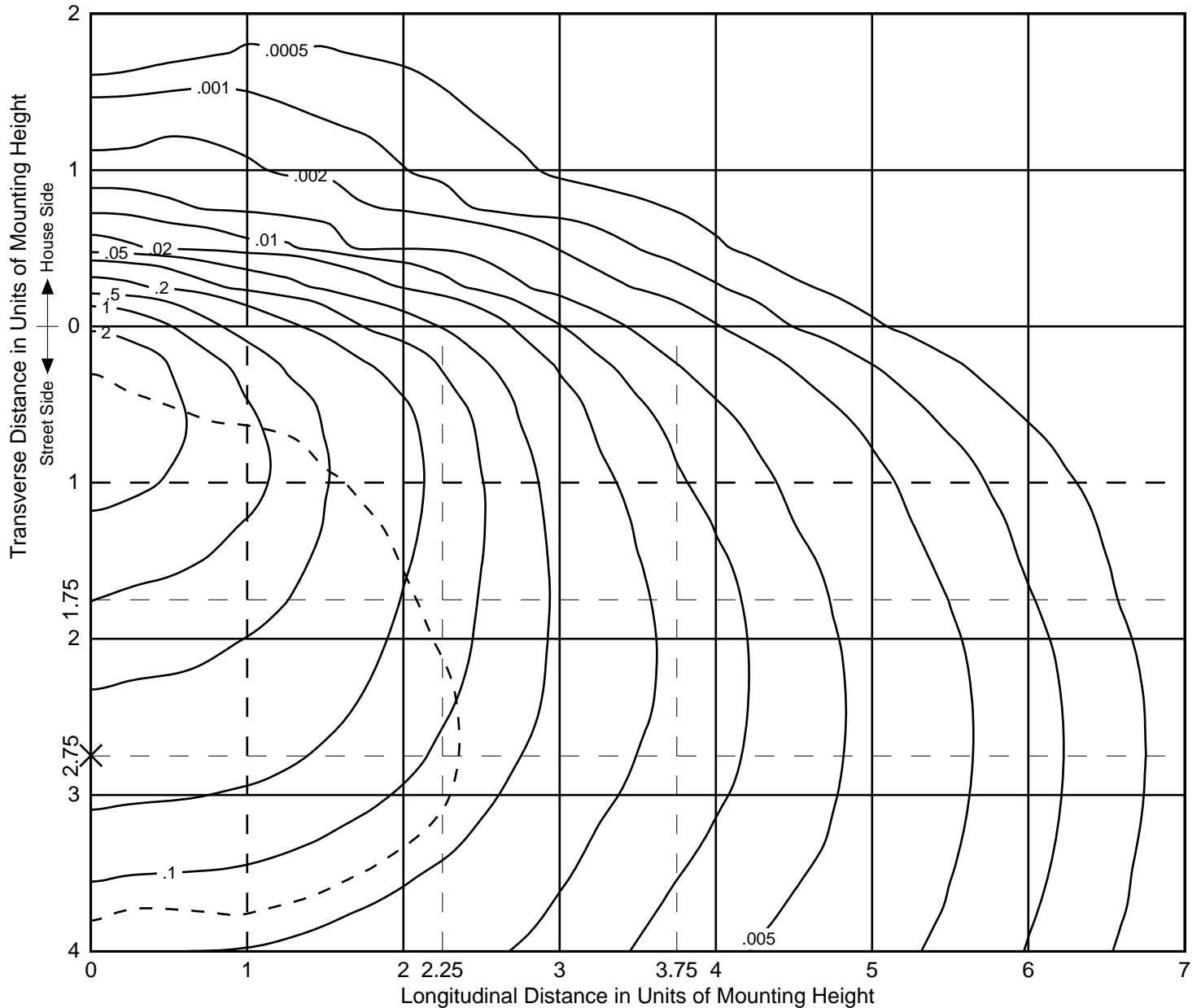
Values based on 25-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — 1/2 Maximum Candela trace

× Maximum Candela point



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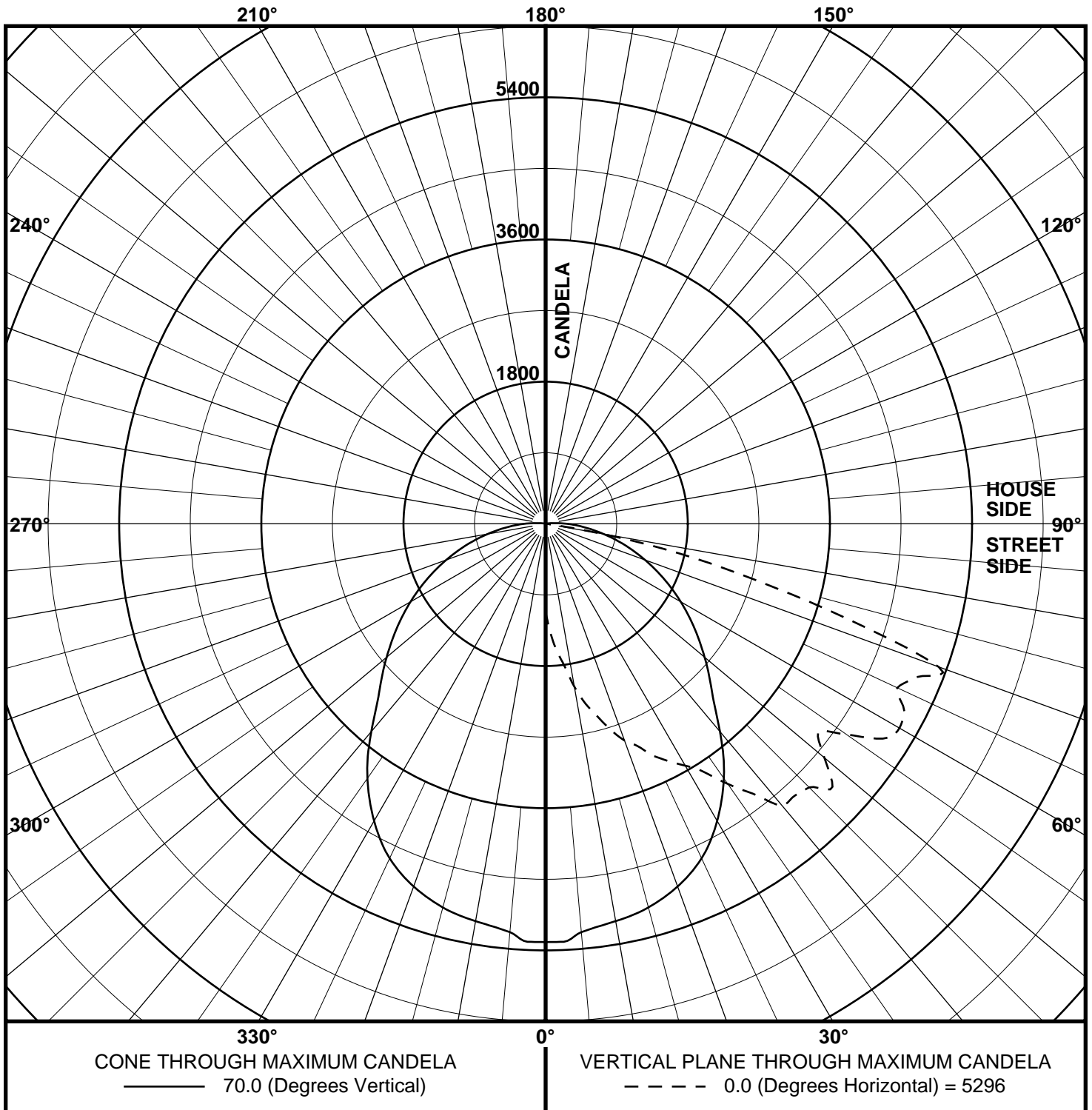
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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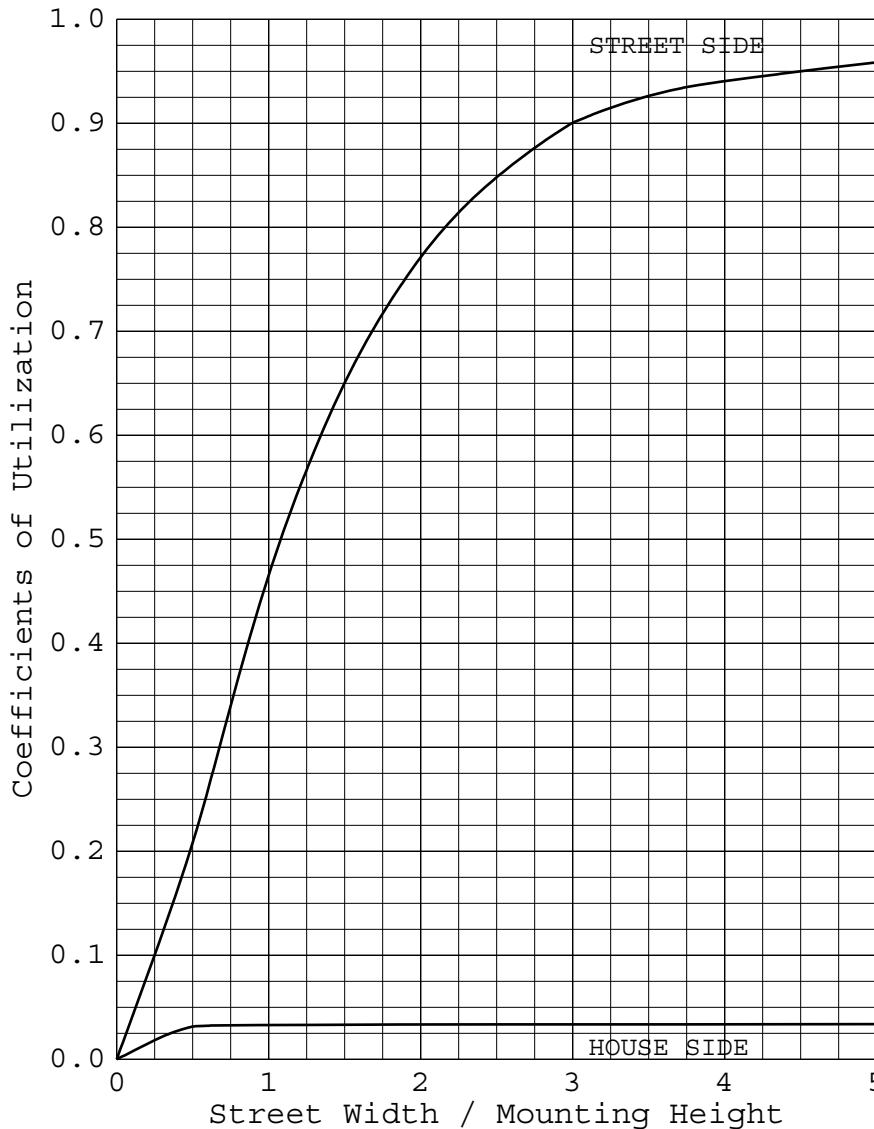
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	6848	96.5
DOWNWARD HOUSE SIDE	245	3.5
DOWNWARD TOTAL	7093	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	7093	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		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		6848	96.5			
FL	(0° – 30°)	858.0	12.1			
FM	(30° – 60°)	3351.3	47.2			
FH	(60° – 80°)	2573.9	36.3			G2
FVH	(80° – 90°)	64.3	0.9			G1
Backward		245	3.5			
BL	(0° – 30°)	133.3	1.9	B1		
BM	(30° – 60°)	87.9	1.2	B0		
BH	(60° – 80°)	21.1	0.3	B0		G0
BVH	(80° – 90°)	3.0	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		7093	100.0			

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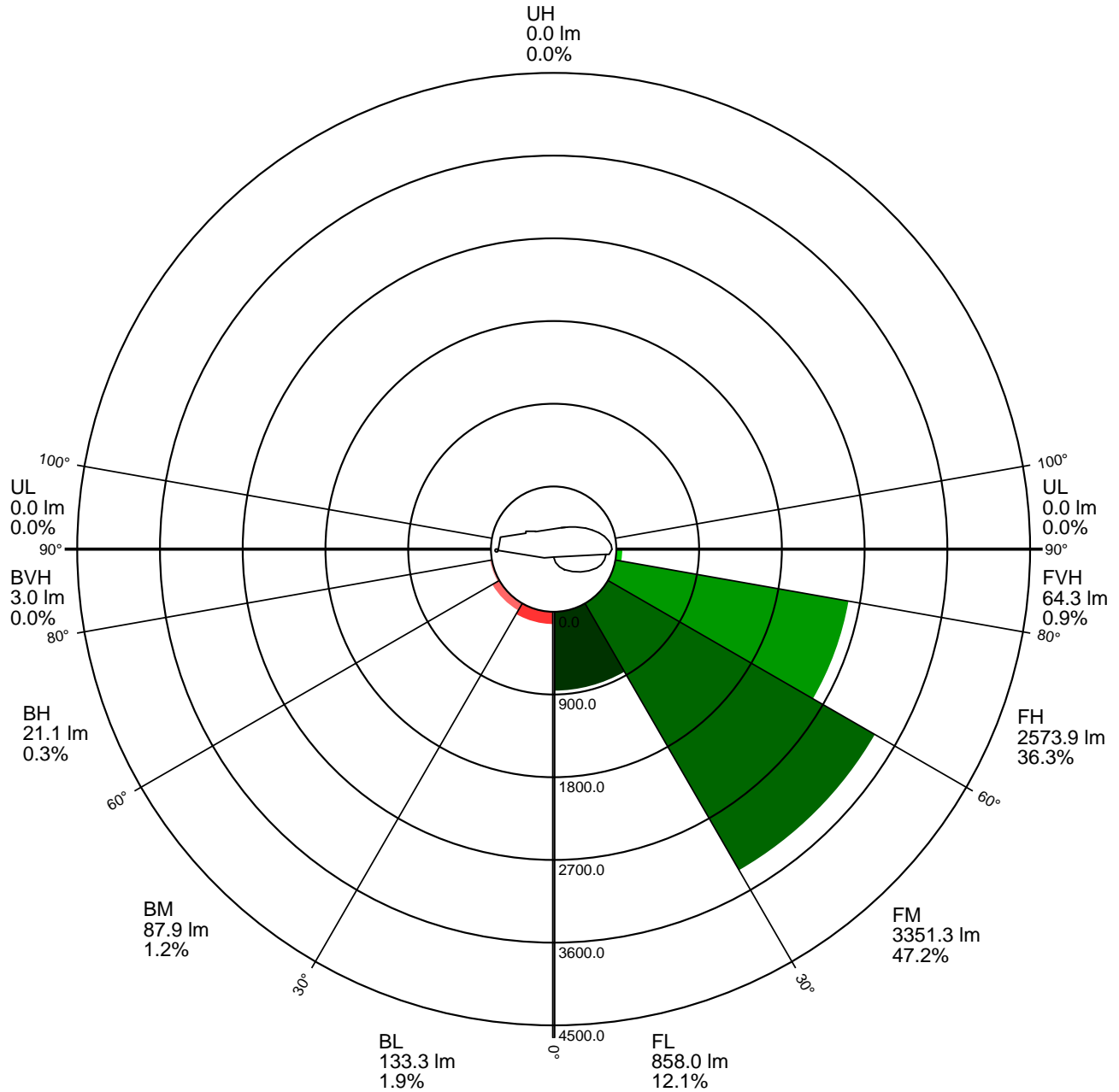
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Zonal Lumen Summary

(Linear scale)



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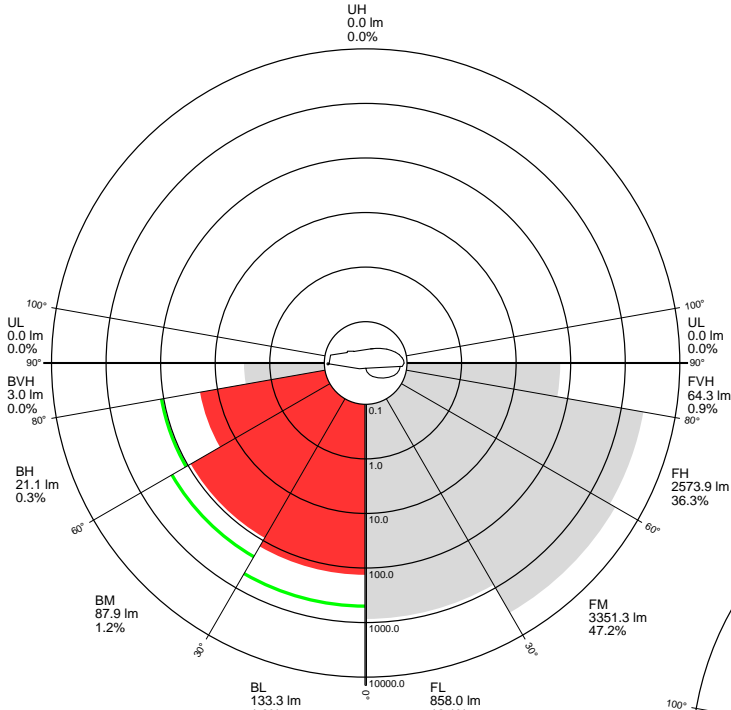
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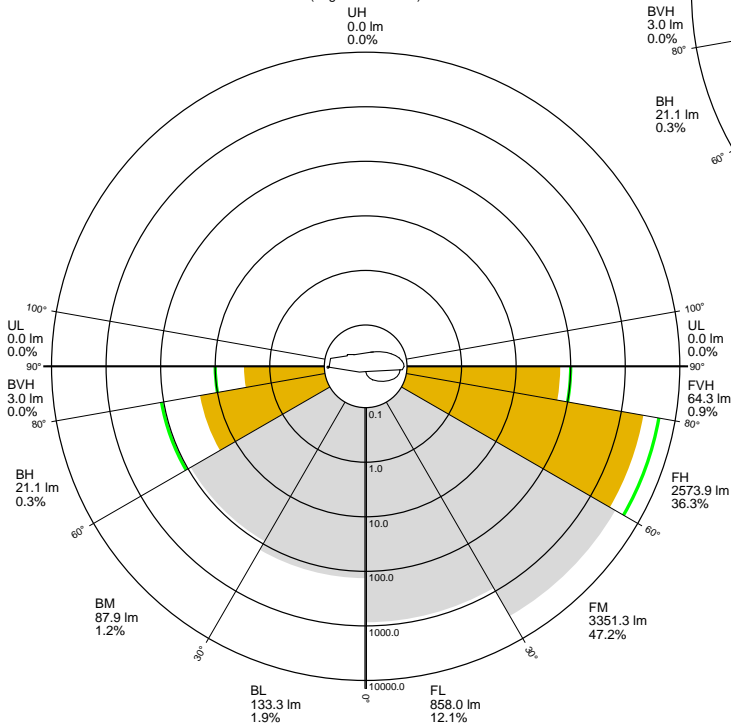
Backlight Rating Details

(Logarithmic scale)



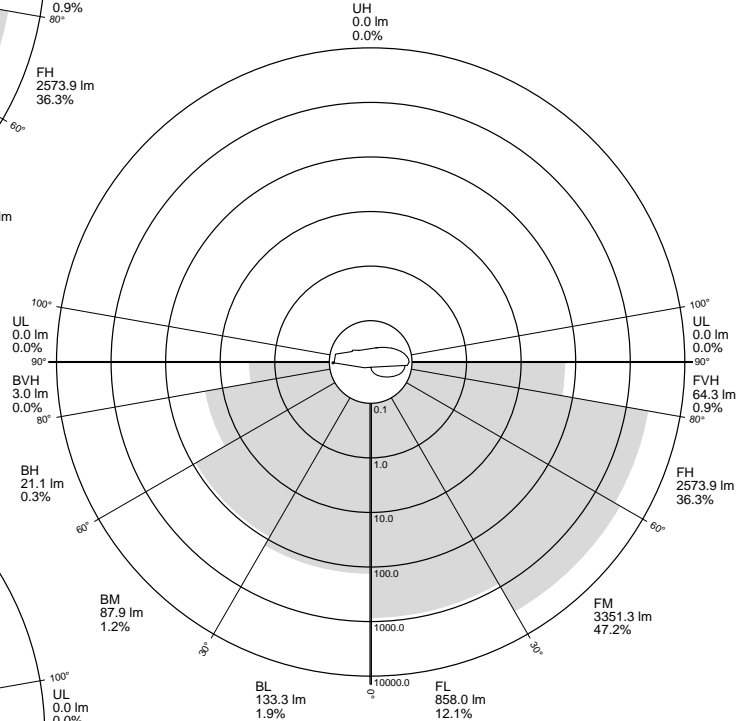
Glare Rating Details

(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.	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	8.	8.	7.	7.	6.	6.	7.	9.	9.	8.	9.
	85.0	20.	19.	19.	42.	71.	53.	34.	28.	33.	14.	9.
V	82.5	73.	69.	62.	124.	214.	272.	240.	169.	108.	48.	18.
E	80.0	714.	687.	643.	809.	941.	852.	688.	642.	423.	202.	76.
R	77.5	1723.	1682.	1627.	1876.	1872.	1742.	1302.	1058.	694.	346.	148.
T	75.0	2755.	2700.	2616.	2887.	2927.	2876.	2249.	1436.	872.	461.	214.
I	72.5	4011.	3940.	3818.	4180.	4269.	3683.	2753.	1867.	1165.	635.	313.
C	70.0<<	5296.	5296.	5190.	5028.	4673.	3935.	2972.	2299.	1655.	1034.	486.
A	67.5	5077.	4974.	4892.	4818.	4530.	4163.	3214.	2549.	2037.	1374.	719.
L	65.0	4914.	4857.	4734.	4869.	4594.	4284.	3353.	2746.	2204.	1635.	866.
	62.5	5118.	5024.	4838.	4922.	4633.	4453.	3694.	2783.	2226.	1756.	881.
A	60.0	5173.	5012.	4776.	4748.	4659.	4619.	4027.	3004.	2197.	1727.	815.
N	57.5	5062.	4883.	4616.	4497.	4424.	4105.	3947.	3232.	2214.	1618.	781.
G	55.0	4652.	4514.	4289.	4171.	4060.	3825.	3926.	3267.	2234.	1527.	799.
L	52.5	4349.	4271.	4100.	3965.	3922.	3715.	3649.	3017.	2183.	1463.	794.
E	50.0	4609.	4548.	4431.	4312.	4100.	3590.	3483.	2838.	2127.	1485.	822.
	47.5	4927.	4872.	4725.	4330.	4017.	3757.	3209.	2645.	2060.	1499.	822.
	45.0	4720.	4692.	4588.	4232.	4105.	3660.	2970.	2456.	1995.	1452.	859.
	42.5	4669.	4654.	4598.	4365.	4042.	3325.	2819.	2371.	1953.	1409.	914.
	40.0	4654.	4631.	4574.	4300.	3690.	3149.	2728.	2366.	1940.	1385.	939.
	37.5	4305.	4278.	4228.	3936.	3440.	3011.	2655.	2328.	1938.	1433.	962.
	35.0	4020.	3996.	3937.	3622.	3250.	2883.	2617.	2285.	1885.	1445.	1022.
	32.5	3724.	3707.	3658.	3354.	3081.	2771.	2521.	2244.	1837.	1421.	1058.
	30.0	3537.	3522.	3480.	3155.	2965.	2681.	2422.	2156.	1823.	1418.	1098.
	25.0	3244.	3239.	3211.	2934.	2729.	2504.	2271.	2030.	1767.	1433.	1155.
	20.0	2922.	2920.	2907.	2758.	2554.	2348.	2143.	1918.	1643.	1400.	1141.
	15.0	2521.	2516.	2508.	2432.	2291.	2118.	1948.	1747.	1553.	1408.	1161.
	10.0	2092.	2084.	2093.	2017.	1939.	1808.	1690.	1584.	1480.	1338.	1156.
	5.0	1612.	1619.	1614.	1596.	1565.	1525.	1482.	1408.	1326.	1240.	1137.
	0.0	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.

||
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	9.	9.	8.	8.	7.	7.	6.	5.	4.	4.
	85.0	9.	9.	8.	8.	7.	7.	6.	5.	3.	2.
V	82.5	13.	11.	9.	8.	7.	6.	5.	4.	2.	2.
E	80.0	31.	12.	9.	7.	7.	6.	5.	4.	2.	1.
R	77.5	59.	20.	10.	8.	7.	6.	5.	3.	2.	1.
T	75.0	111.	35.	10.	8.	7.	5.	5.	3.	2.	0.
I	72.5	167.	52.	11.	9.	6.	5.	4.	3.	2.	0.
C	70.0<<	265.	89.	12.	9.	7.	5.	4.	3.	2.	0.
A	67.5	399.	117.	16.	9.	8.	6.	4.	3.	2.	0.
L	65.0	483.	151.	22.	10.	8.	7.	4.	3.	2.	0.
	62.5	487.	179.	26.	10.	8.	6.	6.	3.	2.	0.
A	60.0	498.	217.	24.	19.	7.	7.	6.	5.	2.	0.
N	57.5	581.	246.	36.	21.	8.	7.	6.	5.	4.	2.
G	55.0	601.	287.	52.	19.	9.	7.	6.	5.	5.	4.
L	52.5	581.	322.	73.	18.	10.	7.	8.	6.	5.	5.
E	50.0	575.	318.	94.	20.	15.	8.	7.	9.	7.	5.
	47.5	569.	326.	108.	29.	19.	9.	7.	5.	4.	4.
	45.0	592.	362.	142.	32.	21.	11.	8.	5.	4.	4.
	42.5	653.	410.	173.	33.	22.	18.	8.	6.	4.	4.
	40.0	685.	452.	176.	49.	22.	21.	14.	9.	5.	5.
	37.5	711.	486.	198.	79.	21.	19.	23.	17.	9.	7.
	35.0	757.	524.	225.	125.	23.	21.	28.	27.	19.	16.
	32.5	791.	560.	260.	149.	33.	23.	23.	26.	26.	25.
	30.0	839.	616.	321.	164.	72.	25.	22.	21.	23.	25.
	25.0	924.	716.	442.	240.	170.	87.	29.	22.	21.	22.
	20.0	947.	770.	527.	348.	224.	163.	117.	75.	47.	41.
	15.0	1010.	858.	679.	479.	348.	252.	209.	182.	161.	154.
	10.0	1055.	958.	792.	695.	555.	469.	405.	359.	333.	327.
	5.0	1088.	1039.	957.	887.	824.	786.	753.	731.	700.	674.
	0.0	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.	1115.

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	27
5- 10	79
10- 15	134
15- 20	190
20- 25	250
25- 30	312
30- 35	379
35- 40	461
40- 45	544
45- 50	617
50- 55	671
55- 60	767
60- 65	820
65- 70	801
70- 75	651
75- 80	323
80- 85	63
85- 90	5
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	106
0- 20	430
0- 30	991
0- 40	1831
0- 50	2993
0- 60	4430
0- 70	6052
0- 80	7026
0- 90	7093
0-100	7093
0-110	7093
0-120	7093
0-130	7093
0-140	7093
0-150	7093
0-160	7093
0-170	7093
0-180	7093