

REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 1 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T125Y - RWLED4T125Y - RWLED4T125SFY- WPLED4T125Y (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.

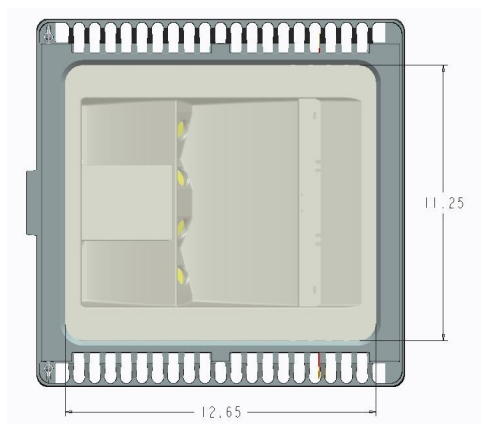
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04284 WHICH WAS ALED4T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 132.6 W AT 120.0 VAC.

LED DRIVER: LED DRIVER: RDD-160

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

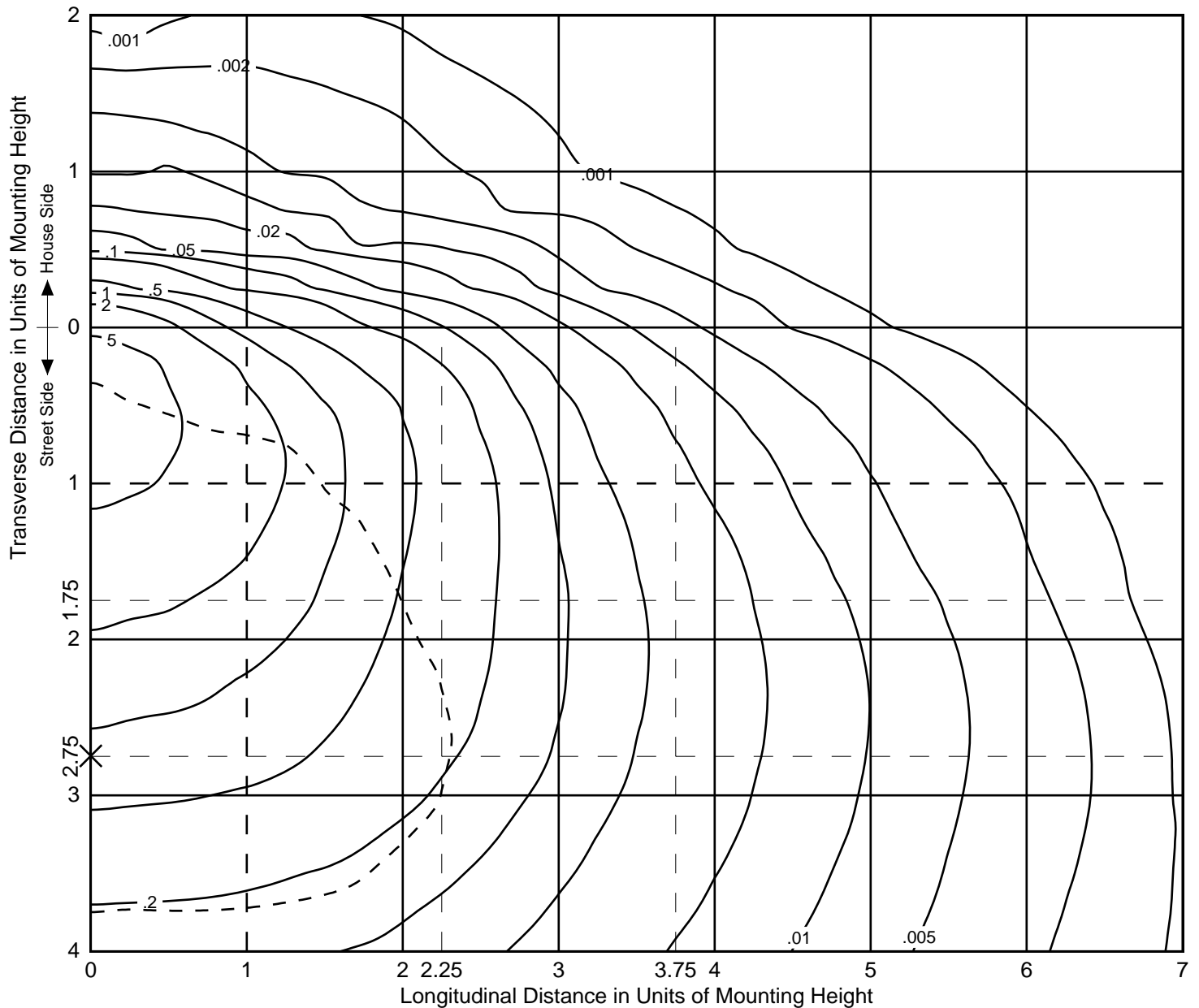
Values based on 25-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — 1/2 Maximum Candela trace

× Maximum Candela point



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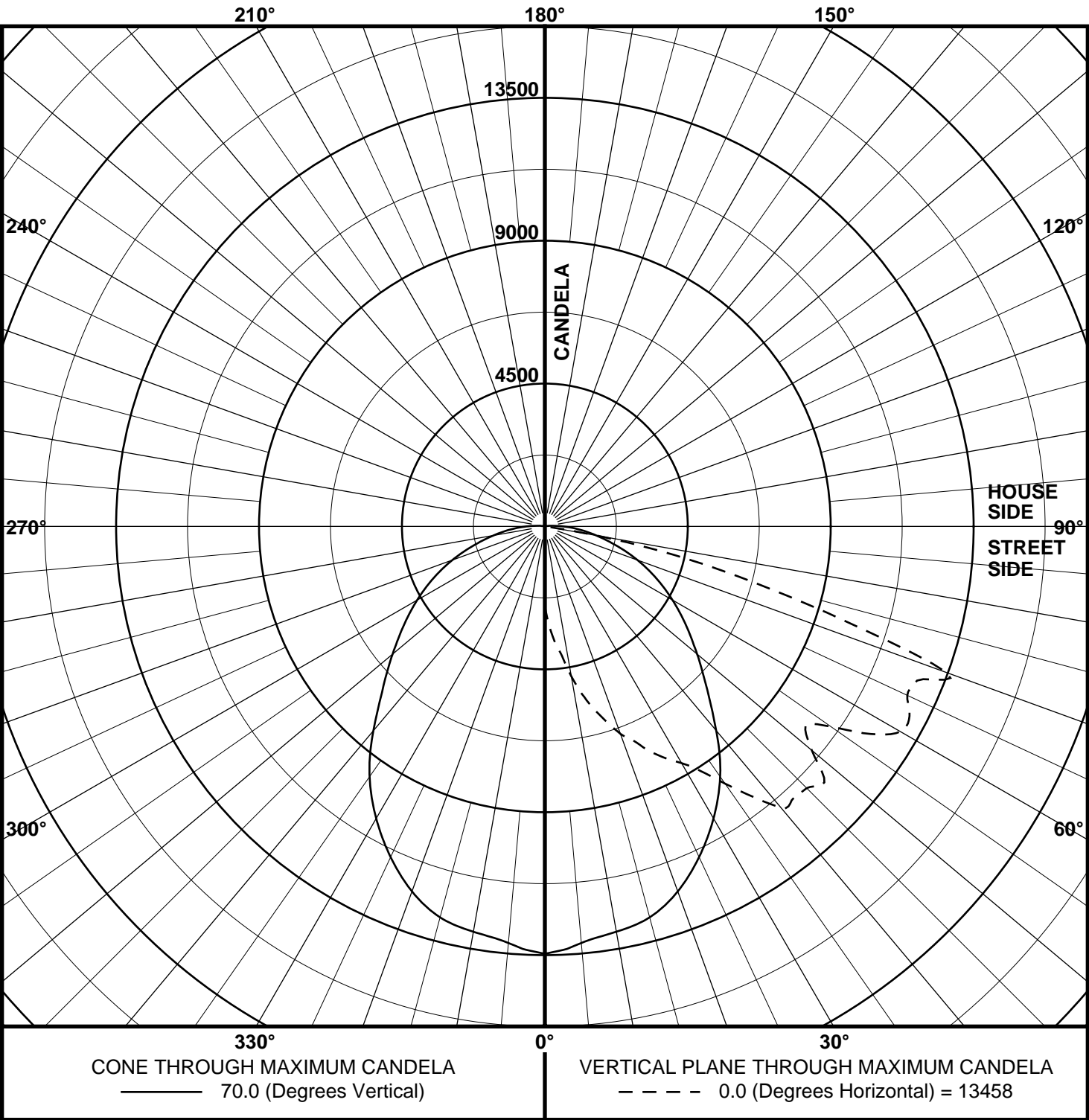
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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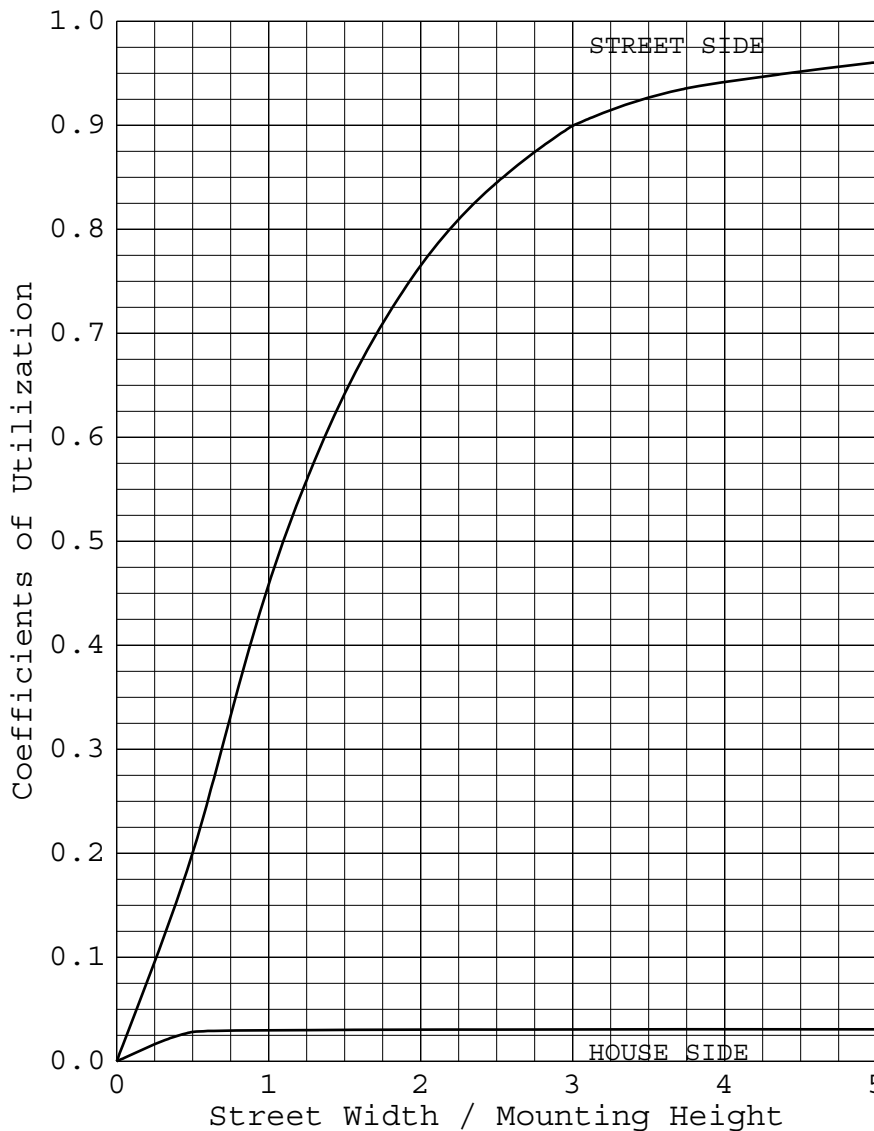
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	16451	96.8
DOWNWARD HOUSE SIDE	540	3.2
DOWNWARD TOTAL	16991	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	16991	100.0

EFFICACY = 128.1 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		16451	96.8			
FL	(0° – 30°)	2001.9	11.8			
FM	(30° – 60°)	7985.7	47.0			
FH	(60° – 80°)	6299.7	37.1			G3
FVH	(80° – 90°)	163.9	1.0			G2
Backward		540	3.2			
BL	(0° – 30°)	290.1	1.7	B1		
BM	(30° – 60°)	193.5	1.1	B0		
BH	(60° – 80°)	48.5	0.3	B0		G0
BVH	(80° – 90°)	7.8	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		16991	100.0			

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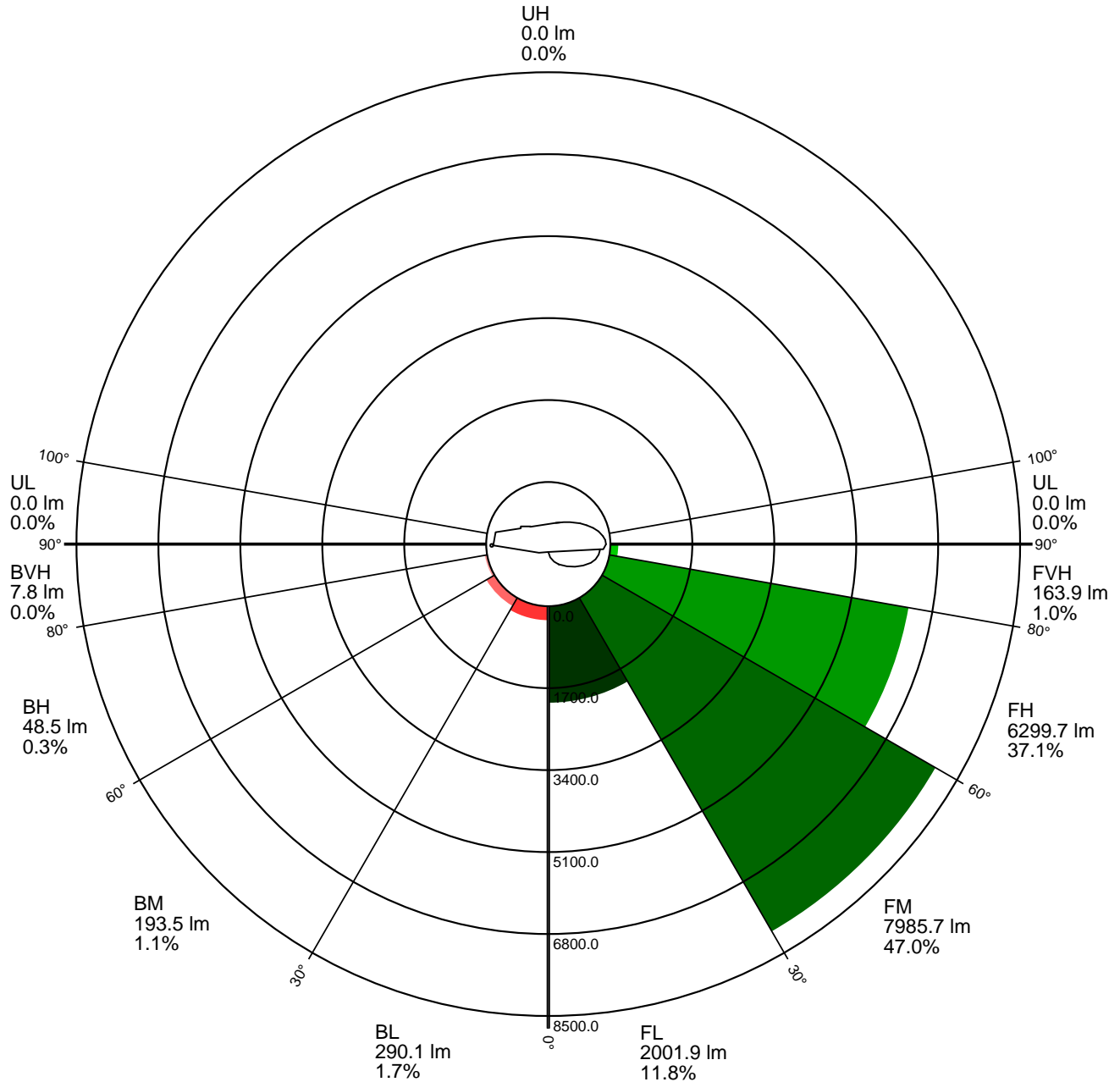
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Zonal Lumen Summary

(Linear scale)



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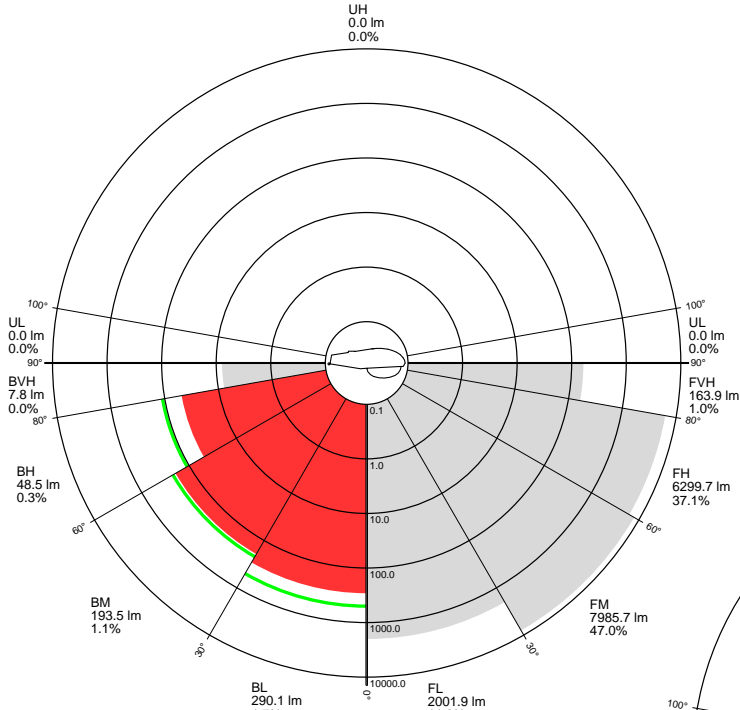
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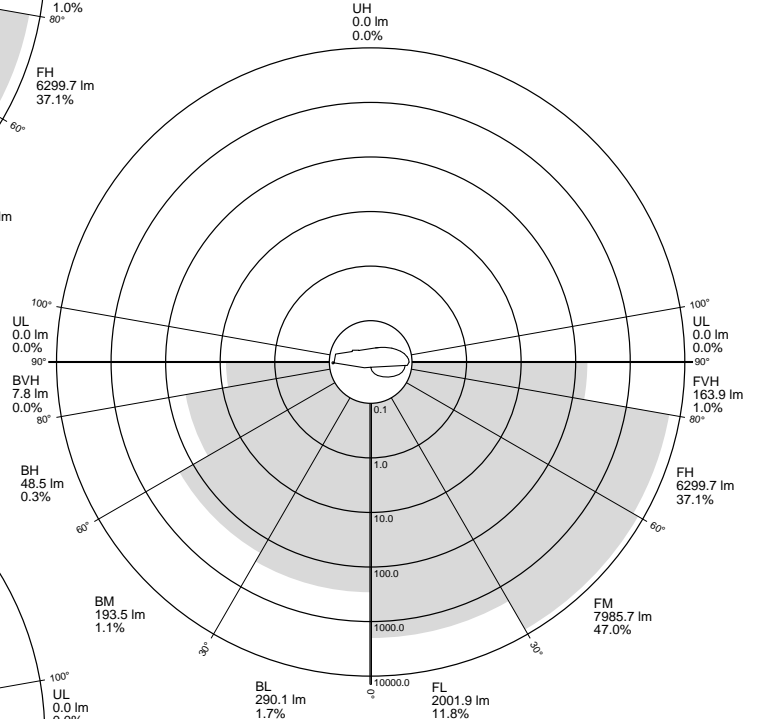
Backlight Rating Details

(Logarithmic scale)



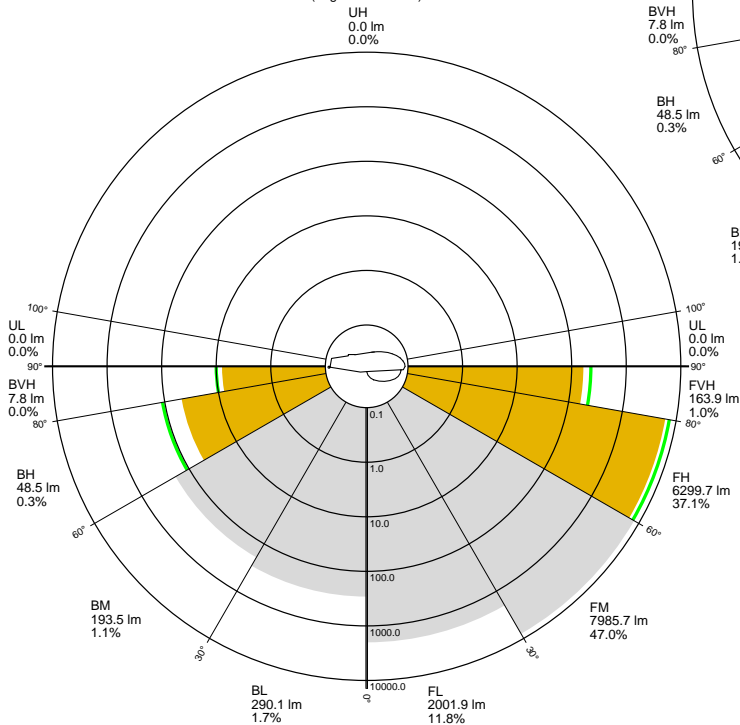
Uplight Rating Details

(Logarithmic scale)



Glare 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	20.	22.	26.	24.	27.	16.	20.	21.	21.	21.	22.	
85.0	57.	57.	59.	112.	229.	150.	115.	73.	84.	37.	23.	
V 82.5	161.	171.	188.	318.	631.	629.	676.	428.	291.	108.	46.	
E 80.0	1601.	1639.	1714.	1915.	2524.	2016.	1756.	1451.	1036.	457.	174.	
R 77.5	4192.	4161.	4197.	4620.	4900.	4303.	3405.	2491.	1536.	750.	314.	
T 75.0	6792.	6713.	6776.	7167.	7624.	7025.	5681.	3502.	2148.	1040.	459.	
I 72.5	9927.	9839.	9779.	10452.	10892.	9015.	6684.	4474.	2744.	1526.	723.	
C 70.0	<13458.	13352.	13166.	12747.	11492.	9623.	7213.	5417.	3878.	2321.	1072.	
A 67.5	12686.	12495.	12250.	12119.	11187.	10168.	7889.	6027.	4748.	3079.	1555.	
L 65.0	12591.	12347.	12029.	12264.	11333.	10412.	8224.	6572.	5108.	3658.	1881.	
62.5	12946.	12653.	12157.	12250.	11421.	10687.	8909.	6486.	5226.	3968.	1884.	
A 60.0	12925.	12571.	11956.	11765.	11139.	10659.	9335.	6978.	5167.	3931.	1744.	
N 57.5	12169.	11874.	11172.	10814.	10379.	9425.	9168.	7662.	5188.	3676.	1721.	
G 55.0	10999.	10718.	10220.	9966.	9373.	9007.	9246.	7744.	5235.	3496.	1742.	
L 52.5	10346.	10181.	9816.	9387.	9326.	8982.	8715.	7175.	5046.	3331.	1777.	
E 50.0	10975.	10826.	10633.	10293.	9834.	8725.	8373.	6710.	4898.	3329.	1857.	
47.5	11933.	11789.	11485.	10504.	9913.	9106.	7787.	6224.	4733.	3332.	1848.	
45.0	11661.	11575.	11361.	10413.	10066.	8908.	7087.	5773.	4582.	3269.	1914.	
42.5	11598.	11532.	11373.	10723.	9886.	8109.	6718.	5585.	4491.	3226.	2031.	
40.0	11567.	11484.	11338.	10664.	9069.	7621.	6535.	5586.	4467.	3130.	2064.	
37.5	10725.	10607.	10469.	9720.	8340.	7286.	6368.	5502.	4461.	3198.	2111.	
35.0	9885.	9760.	9582.	8787.	7870.	6947.	6257.	5388.	4324.	3236.	2267.	
32.5	9134.	9062.	8933.	8179.	7423.	6674.	6016.	5283.	4237.	3217.	2351.	
30.0	8609.	8554.	8457.	7679.	7130.	6428.	5755.	5049.	4202.	3219.	2448.	
25.0	7812.	7774.	7717.	7063.	6523.	5919.	5323.	4744.	4038.	3224.	2577.	
20.0	6947.	6908.	6884.	6531.	5995.	5516.	5006.	4420.	3751.	3153.	2552.	
15.0	5944.	5937.	5890.	5715.	5328.	4905.	4454.	3998.	3514.	3182.	2593.	
10.0	4789.	4785.	4767.	4638.	4395.	4121.	3828.	3604.	3348.	3026.	2581.	
5.0	3672.	3693.	3662.	3605.	3538.	3458.	3348.	3192.	2989.	2791.	2568.	
0.0	2532.	2532.	2532.	2532.	2532.	2532.	2532.	2532.	2532.	2532.	2532.	

||
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	22.	22.	21.	20.	19.	17.	15.	13.	12.	12. 11.
	85.0	22.	22.	21.	20.	18.	17.	15.	13.	10.	9. 9.
V	82.5	33.	26.	22.	20.	18.	16.	14.	12.	8.	7. 7.
E	80.0	72.	30.	24.	20.	18.	16.	13.	11.	7.	6. 6.
R	77.5	116.	48.	27.	21.	18.	15.	13.	10.	7.	5. 5.
T	75.0	234.	65.	27.	22.	18.	15.	13.	10.	6.	4. 4.
I	72.5	363.	106.	28.	23.	18.	15.	13.	10.	6.	4. 4.
C	70.0<<	573.	205.	32.	24.	18.	15.	13.	10.	6.	4. 4.
A	67.5	864.	256.	42.	24.	22.	15.	13.	10.	7.	4. 4.
L	65.0	1040.	304.	56.	26.	22.	17.	13.	10.	7.	4. 5.
	62.5	1084.	352.	63.	26.	22.	18.	14.	10.	7.	5. 6.
A	60.0	1085.	432.	60.	42.	22.	18.	18.	12.	7.	5. 6.
N	57.5	1259.	501.	84.	50.	22.	18.	16.	18.	12.	9. 9.
G	55.0	1343.	592.	116.	48.	24.	20.	17.	17.	18.	15. 16.
L	52.5	1317.	670.	169.	47.	31.	22.	22.	16.	16.	16. 17.
E	50.0	1280.	668.	217.	51.	37.	23.	24.	25.	19.	17. 17.
	47.5	1257.	684.	237.	66.	48.	26.	19.	22.	19.	18. 17.
	45.0	1295.	759.	303.	82.	56.	29.	25.	16.	16.	15. 16.
	42.5	1411.	860.	370.	87.	60.	42.	25.	18.	16.	15. 16.
	40.0	1489.	939.	369.	117.	57.	55.	31.	24.	18.	17. 18.
	37.5	1524.	1035.	397.	181.	58.	55.	51.	36.	25.	21. 22.
	35.0	1647.	1126.	445.	272.	63.	54.	71.	59.	41.	34. 38.
	32.5	1741.	1185.	518.	329.	82.	62.	67.	72.	63.	57. 65.
	30.0	1855.	1310.	631.	360.	153.	71.	65.	63.	66.	67. 77.
	25.0	2039.	1532.	918.	512.	389.	171.	79.	63.	61.	64. 67.
	20.0	2097.	1663.	1146.	695.	493.	374.	274.	164.	115.	101. 105.
	15.0	2235.	1883.	1482.	994.	701.	529.	464.	403.	376.	347. 356.
	10.0	2358.	2125.	1718.	1513.	1194.	960.	846.	746.	707.	680. 700.
	5.0	2448.	2336.	2132.	1951.	1810.	1690.	1652.	1594.	1553.	1491. 1563.
	0.0	2532.	2532.	2532.	2532.	2532.	2532.	2532.	2532.	2532.	2532.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	60
5- 10	178
10- 15	302
15- 20	437
20- 25	581
25- 30	733
30- 35	899
35- 40	1103
40- 45	1308
45- 50	1476
50- 55	1586
55- 60	1807
60- 65	1979
65- 70	1958
70- 75	1610
75- 80	802
80- 85	159
85- 90	13
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	238
0- 20	978
0- 30	2292
0- 40	4294
0- 50	7078
0- 60	10471
0- 70	14408
0- 80	16820
0- 90	16991
0-100	16991
0-110	16991
0-120	16991
0-130	16991
0-140	16991
0-150	16991
0-160	16991
0-170	16991
0-180	16991