

REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 1 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T150 - RWLED4T150 - RWLED4T150SF - WPLED4T150 (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.

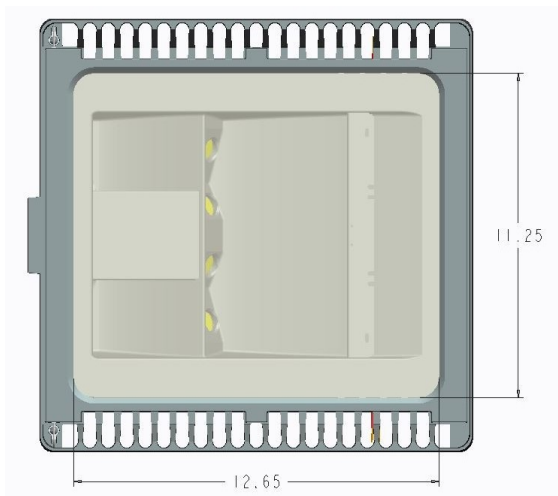
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04284 WHICH WAS ALED4T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 156.5 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

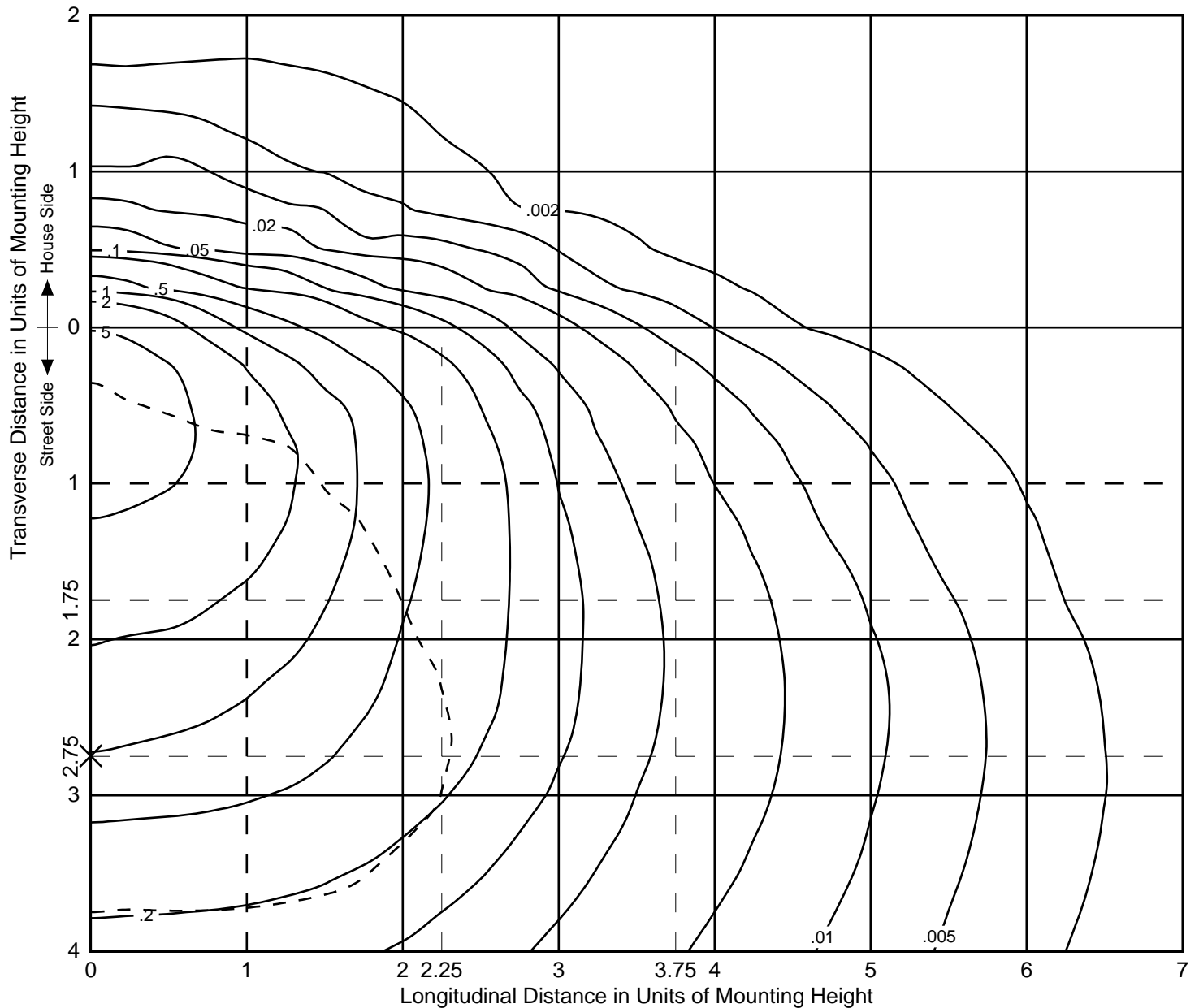
Values based on 25-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — — 1/2 Maximum Candela trace

× Maximum Candela point



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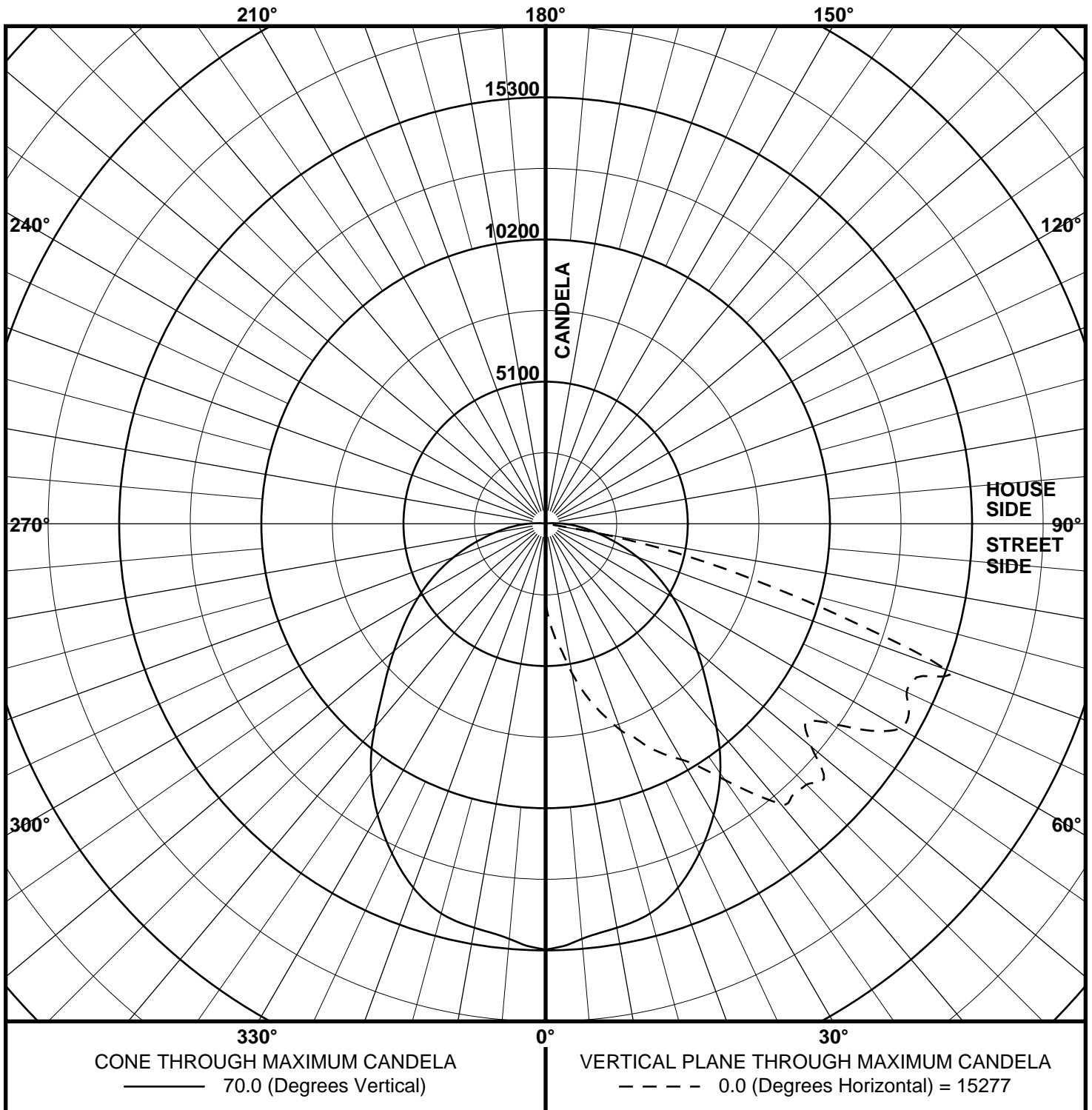
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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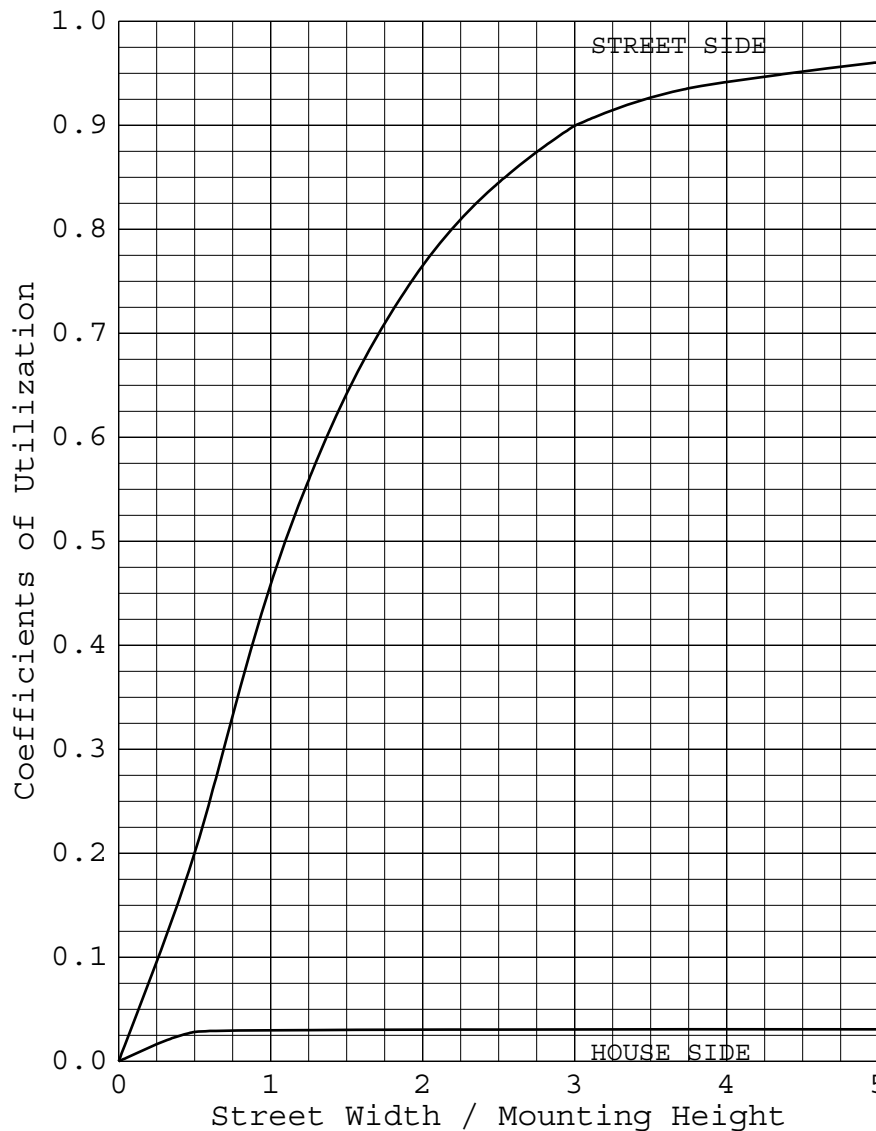
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	18675	96.8
DOWNWARD HOUSE SIDE	613	3.2
DOWNWARD TOTAL	19288	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	19288	100.0

EFFICACY = 123.2 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			B1U0G3				
Zonal Summary			Lumens	% of Fixture	Zone Ratings		
					B	U	G
Forward			18675	96.8			
FL	(0° – 30°)		2272.6	11.8			
FM	(30° – 60°)		9065.3	47.0			
FH	(60° – 80°)		7151.4	37.1			G3
FVH	(80° – 90°)		186.1	1.0			G2
Backward			613	3.2			
BL	(0° – 30°)		329.3	1.7	B1		
BM	(30° – 60°)		219.7	1.1	B0		
BH	(60° – 80°)		55.1	0.3	B0		G0
BVH	(80° – 90°)		8.9	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			19288	100.0			

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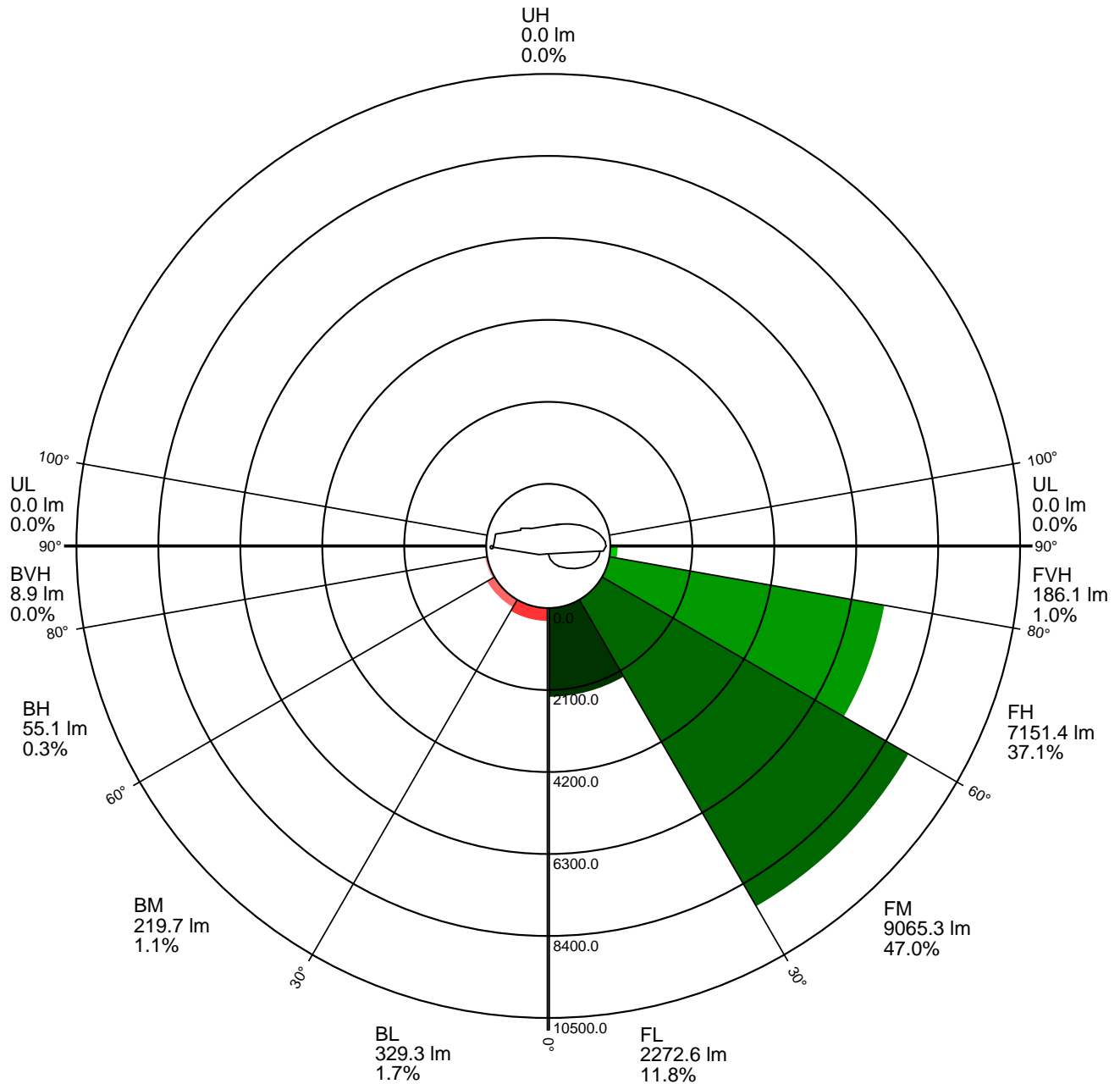
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Zonal Lumen Summary

(Linear scale)



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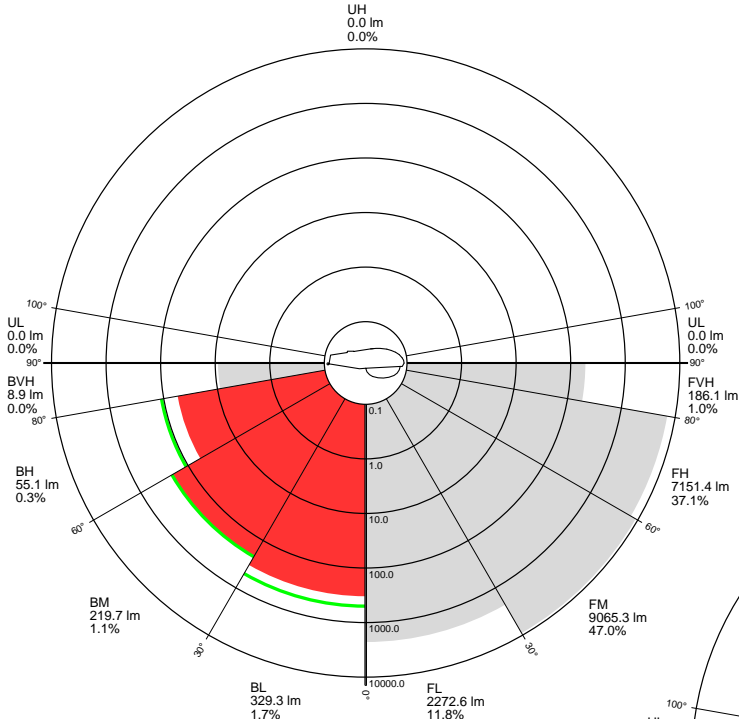
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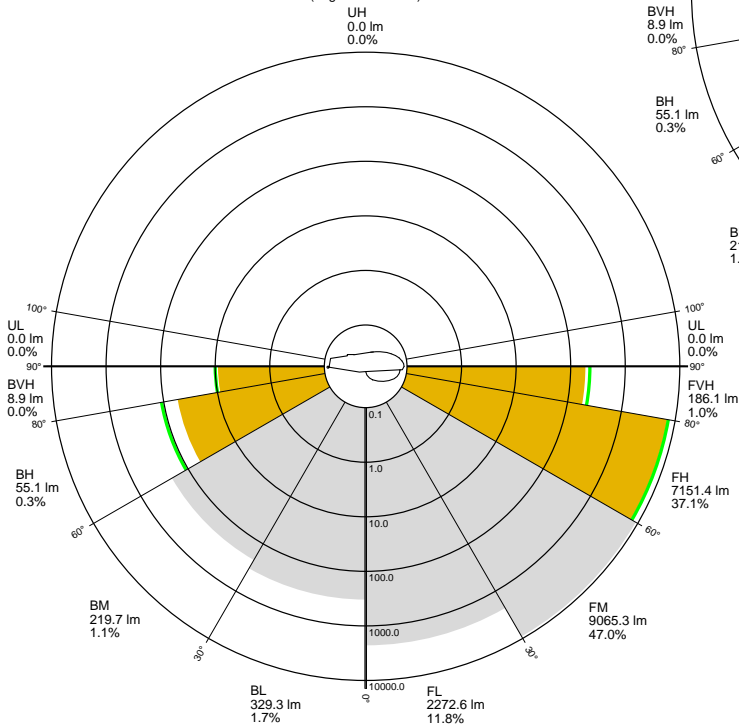
Backlight Rating Details

(Logarithmic scale)



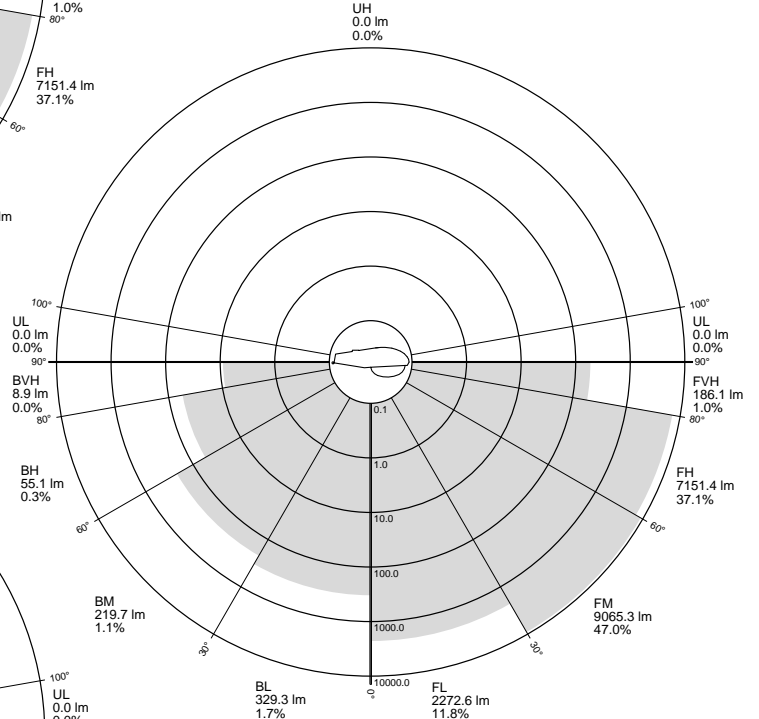
Glare Rating Details

(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	22.	25.	30.	28.	31.	18.	22.	23.	23.	23.	24.
85.0	65.	65.	67.	127.	260.	170.	130.	83.	96.	42.	26.
V 82.5	182.	195.	213.	361.	716.	714.	767.	486.	330.	122.	52.
E 80.0	1817.	1861.	1945.	2174.	2866.	2289.	1993.	1647.	1176.	519.	198.
R 77.5	4759.	4723.	4764.	5244.	5562.	4884.	3865.	2828.	1744.	852.	357.
T 75.0	7710.	7621.	7692.	8136.	8655.	7975.	6449.	3975.	2439.	1180.	521.
I 72.5	11269.	11169.	11101.	11865.	12364.	10234.	7588.	5079.	3115.	1732.	820.
C 70.0	<15277.	15157.	14946.	14470.	13045.	10924.	8188.	6149.	4402.	2635.	1217.
A 67.5	14401.	14184.	13906.	13757.	12700.	11543.	8956.	6842.	5390.	3495.	1765.
L 65.0	14294.	14016.	13656.	13922.	12865.	11819.	9336.	7461.	5799.	4153.	2135.
62.5	14696.	14364.	13800.	13906.	12965.	12132.	10113.	7363.	5933.	4504.	2139.
A 60.0	14673.	14270.	13572.	13355.	12645.	12100.	10597.	7921.	5866.	4463.	1980.
N 57.5	13815.	13479.	12682.	12276.	11783.	10699.	10408.	8698.	5889.	4173.	1954.
G 55.0	12486.	12167.	11601.	11314.	10640.	10224.	10496.	8791.	5943.	3968.	1977.
L 52.5	11745.	11557.	11143.	10656.	10587.	10196.	9893.	8144.	5728.	3782.	2017.
E 50.0	12458.	12289.	12071.	11685.	11163.	9904.	9505.	7617.	5560.	3779.	2108.
47.5	13547.	13382.	13038.	11924.	11254.	10337.	8839.	7065.	5373.	3783.	2098.
45.0	13238.	13140.	12897.	11821.	11427.	10112.	8045.	6554.	5201.	3711.	2173.
42.5	13166.	13091.	12911.	12173.	11222.	9205.	7626.	6340.	5098.	3663.	2305.
40.0	13131.	13037.	12871.	12106.	10295.	8651.	7419.	6341.	5071.	3554.	2343.
37.5	12175.	12041.	11884.	11034.	9467.	8271.	7229.	6246.	5064.	3630.	2397.
35.0	11221.	11079.	10878.	9975.	8934.	7887.	7103.	6116.	4909.	3674.	2573.
32.5	10369.	10288.	10141.	9285.	8427.	7577.	6829.	5997.	4810.	3651.	2669.
30.0	9773.	9711.	9601.	8717.	8093.	7297.	6533.	5731.	4770.	3654.	2779.
25.0	8868.	8825.	8760.	8018.	7405.	6719.	6043.	5385.	4584.	3659.	2926.
20.0	7887.	7842.	7814.	7414.	6805.	6262.	5682.	5018.	4258.	3579.	2897.
15.0	6747.	6739.	6686.	6487.	6048.	5568.	5057.	4539.	3989.	3613.	2943.
10.0	5437.	5432.	5411.	5265.	4989.	4679.	4345.	4092.	3800.	3435.	2930.
5.0	4168.	4192.	4157.	4093.	4016.	3925.	3800.	3624.	3394.	3168.	2916.
0.0	2875.	2875.	2875.	2875.	2875.	2875.	2875.	2875.	2875.	2875.	2875.

||
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	24.	24.	23.	22.	21.	19.	17.	15.	13.	13. 12.
	85.0	25.	25.	23.	22.	20.	19.	17.	14.	11.	10. 10.
V	82.5	38.	30.	24.	22.	20.	18.	16.	13.	9.	8. 8.
E	80.0	82.	34.	28.	22.	20.	18.	15.	12.	8.	7. 7.
R	77.5	131.	55.	31.	23.	20.	17.	15.	11.	8.	6. 6.
T	75.0	266.	73.	31.	25.	20.	17.	14.	11.	7.	5. 5.
I	72.5	412.	120.	32.	26.	20.	17.	14.	11.	7.	5. 5.
C	70.0<<	650.	232.	37.	28.	20.	17.	14.	11.	7.	5. 5.
A	67.5	980.	290.	48.	28.	25.	17.	14.	11.	8.	5. 5.
L	65.0	1180.	345.	63.	30.	24.	19.	14.	11.	8.	5. 6.
	62.5	1230.	399.	71.	30.	24.	20.	16.	11.	8.	6. 7.
A	60.0	1232.	490.	68.	48.	24.	20.	20.	13.	8.	6. 7.
N	57.5	1429.	569.	96.	57.	24.	20.	18.	20.	13.	10. 10.
G	55.0	1525.	673.	131.	55.	28.	22.	19.	19.	20.	17. 18.
L	52.5	1495.	760.	192.	53.	35.	25.	24.	18.	18.	18. 19.
E	50.0	1453.	758.	247.	58.	42.	26.	28.	29.	21.	19. 19.
	47.5	1427.	777.	269.	74.	54.	30.	21.	25.	21.	20. 19.
	45.0	1470.	862.	344.	93.	63.	33.	29.	18.	18.	17. 18.
	42.5	1602.	976.	420.	99.	68.	48.	29.	20.	18.	17. 18.
	40.0	1691.	1066.	419.	132.	65.	62.	36.	28.	20.	19. 20.
	37.5	1730.	1175.	450.	206.	66.	62.	58.	41.	29.	23. 25.
	35.0	1870.	1278.	505.	309.	71.	61.	81.	67.	47.	39. 43.
	32.5	1976.	1345.	588.	373.	93.	70.	76.	82.	71.	65. 73.
	30.0	2105.	1487.	716.	409.	173.	81.	73.	71.	74.	76. 88.
	25.0	2314.	1740.	1043.	581.	441.	194.	90.	71.	69.	72. 76.
	20.0	2381.	1888.	1301.	789.	559.	425.	311.	186.	130.	115. 119.
	15.0	2537.	2137.	1682.	1128.	796.	600.	527.	458.	427.	393. 405.
	10.0	2677.	2412.	1951.	1717.	1355.	1089.	960.	847.	803.	771. 795.
	5.0	2779.	2652.	2420.	2214.	2054.	1919.	1875.	1810.	1763.	1693. 1774.
	0.0	2875.	2875.	2875.	2875.	2875.	2875.	2875.	2875.	2875.	2875.

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	68
5- 10	202
10- 15	343
15- 20	497
20- 25	660
25- 30	832
30- 35	1021
35- 40	1252
40- 45	1485
45- 50	1676
50- 55	1800
55- 60	2052
60- 65	2246
65- 70	2222
70- 75	1828
75- 80	910
80- 85	180
85- 90	15
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	270
0- 20	1110
0- 30	2602
0- 40	4874
0- 50	8035
0- 60	11887
0- 70	16356
0- 80	19093
0- 90	19288
0-100	19288
0-110	19288
0-120	19288
0-130	19288
0-140	19288
0-150	19288
0-160	19288
0-170	19288
0-180	19288