

REPORT NUMBER: PRORATED FROM RAB04286

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ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T50N - RWLED2T50N - RWLED2T50SFN - WPLED2T50N (TYPE II)

LUMINAIRE: CAST FINNED METAL HOUSING, 6 CHIP ON BOARD LIGHT EMITTING DIODES, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, CLEAR GLASS LENS IN CAST BRONZE PAINTED METAL FRAME.

LAMPS: SIX WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), 2 LEDs TILTED 63-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 75-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 67-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 68-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 58-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 40-DEGREES FROM STRAIGHT AHEAD.

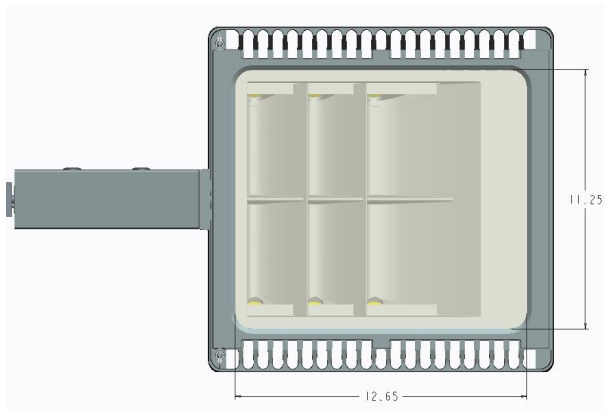
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04286 WHICH WAS ALED2T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 52.2 W AT 277.0 VAC.

LED DRIVER: LED DRIVER: RD-052-A1400-R

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

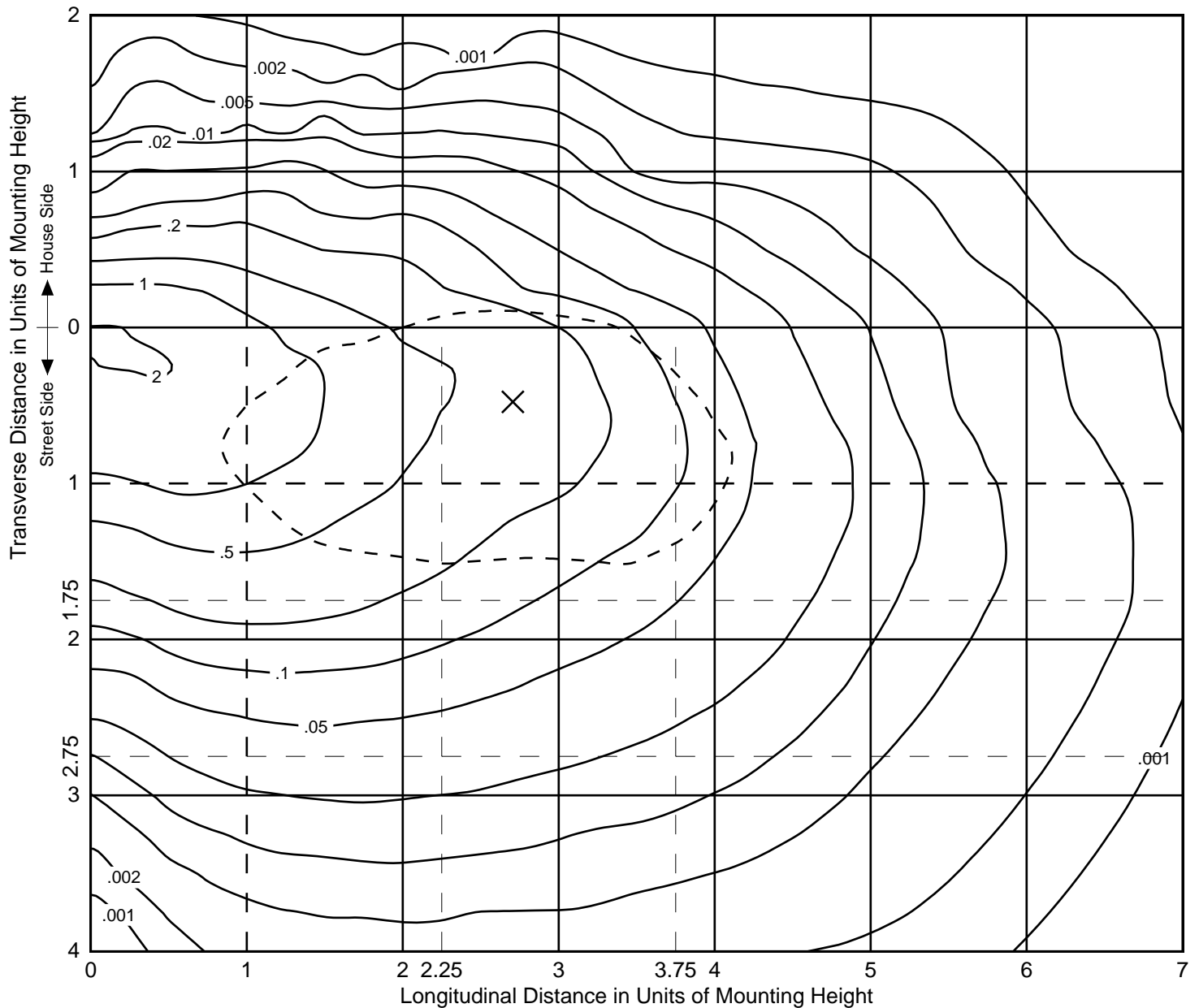
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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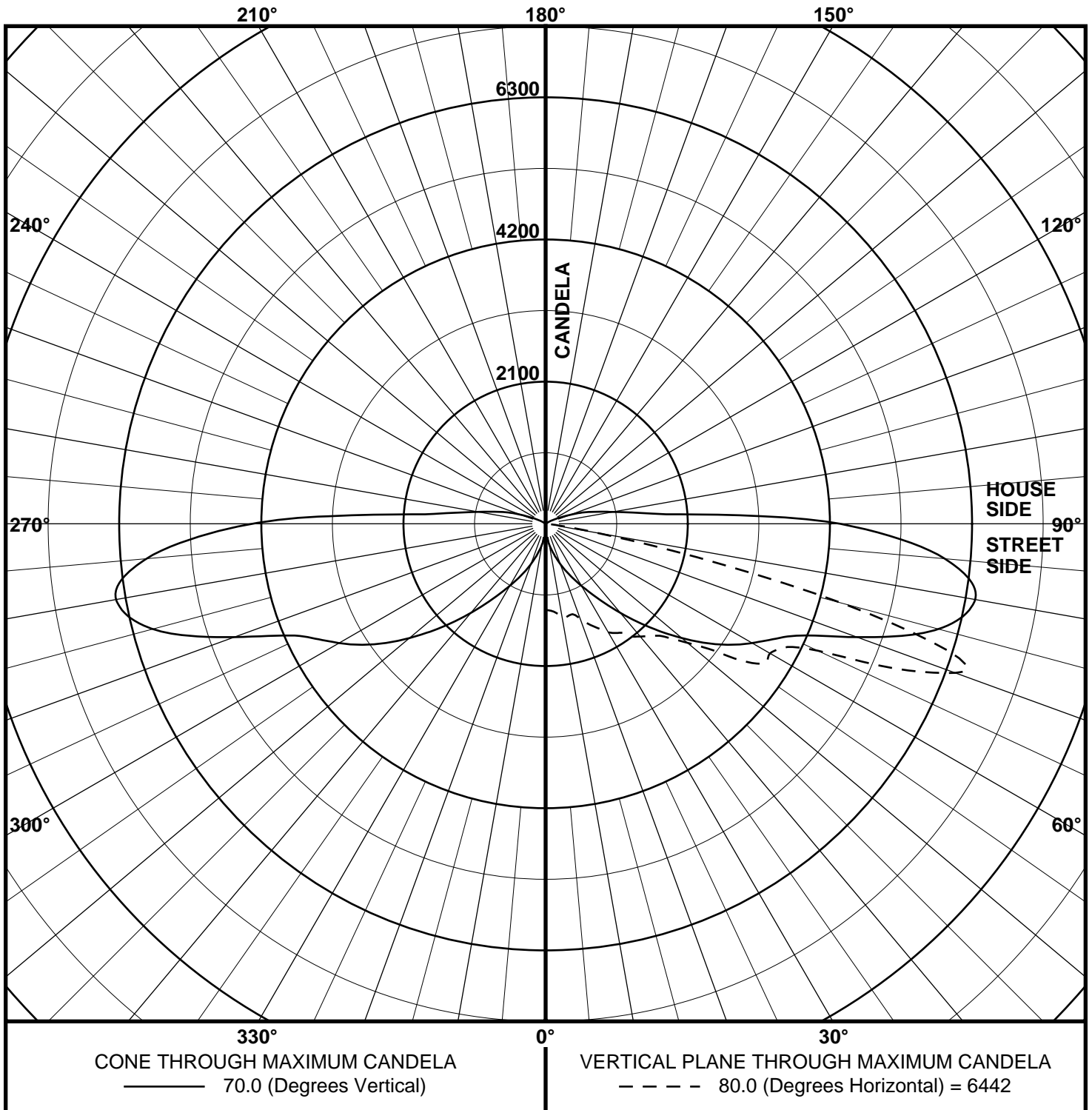
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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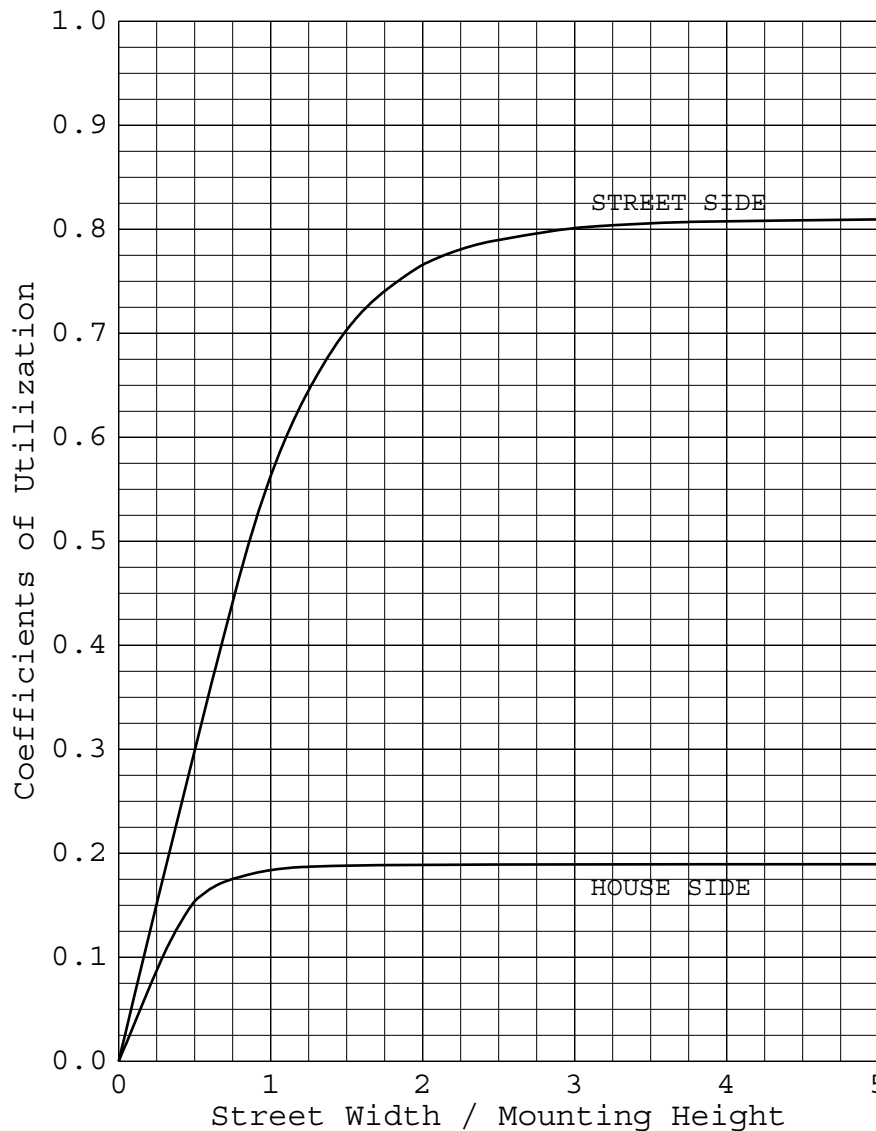
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	5672	81.0
DOWNWARD HOUSE SIDE	1331	19.0
DOWNWARD TOTAL	7003	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	7003	100.0

EFFICACY = 134.2 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			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	5672			
FM	(30° – 60°)	637.8			
FH	(60° – 80°)	2782.1			
FVH	(80° – 90°)	2213.7			G2
		38.6			G1
Backward					
BL	(0° – 30°)	1331			
BM	(30° – 60°)	372.4	B1		
BH	(60° – 80°)	634.2	B1		
BVH	(80° – 90°)	318.0	B1		G1
		6.1			G0
Upward					
UL	(90° – 100°)	0		U0	
UH	(100° – 180°)	0.0		U0	
Trapped Light					
Total Flux					
		0			
		7003			
		100.0			

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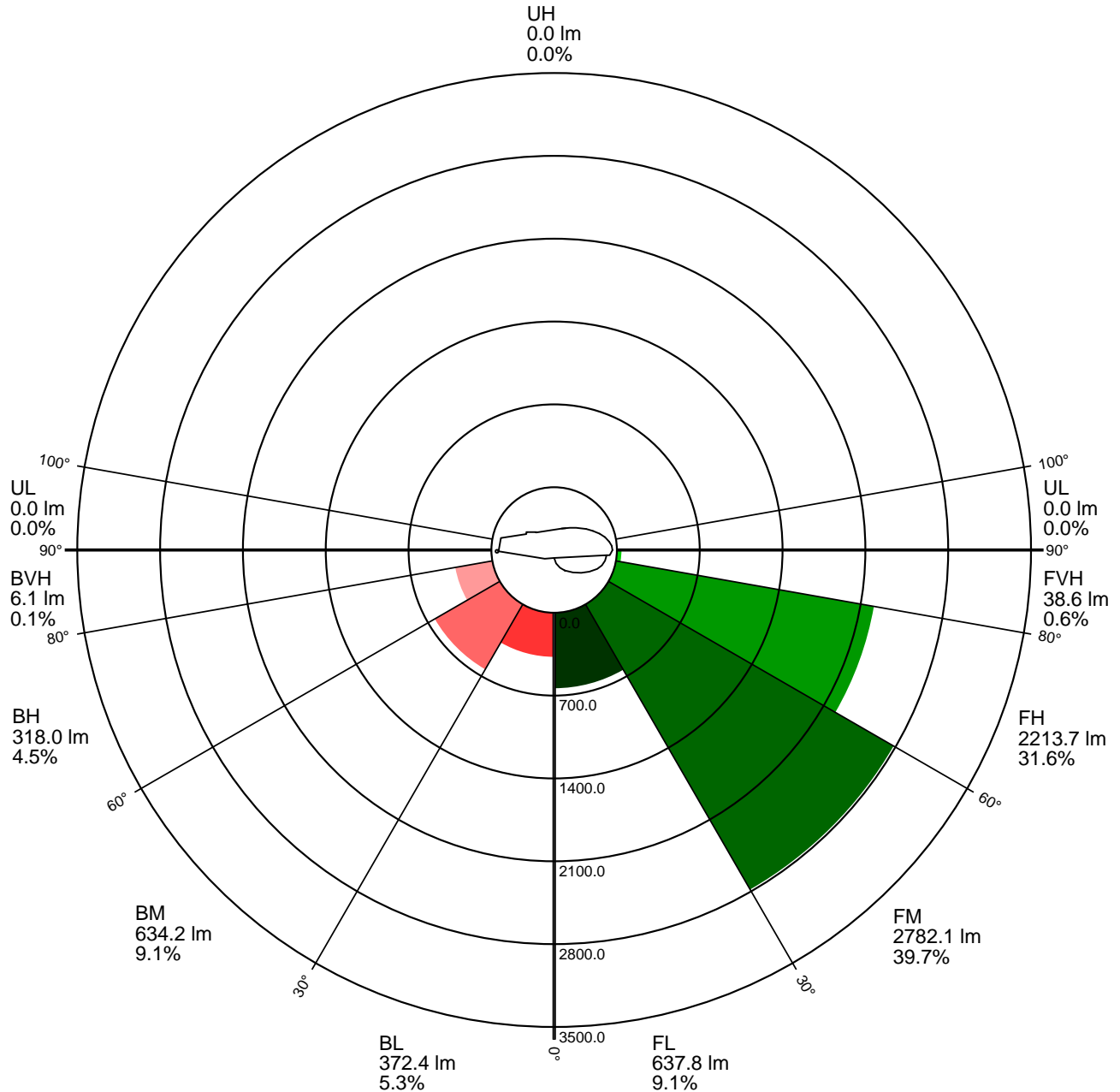
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Zonal Lumen Summary

(Linear scale)



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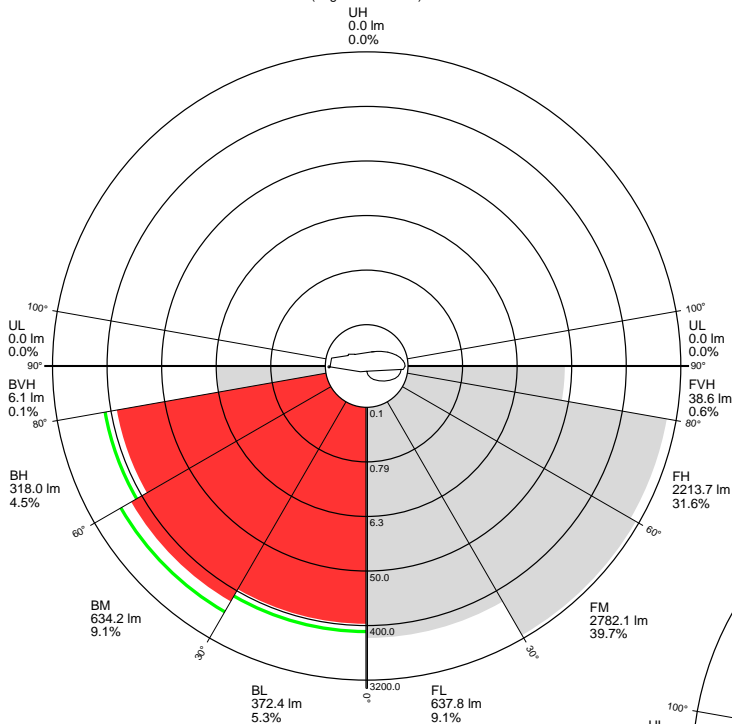
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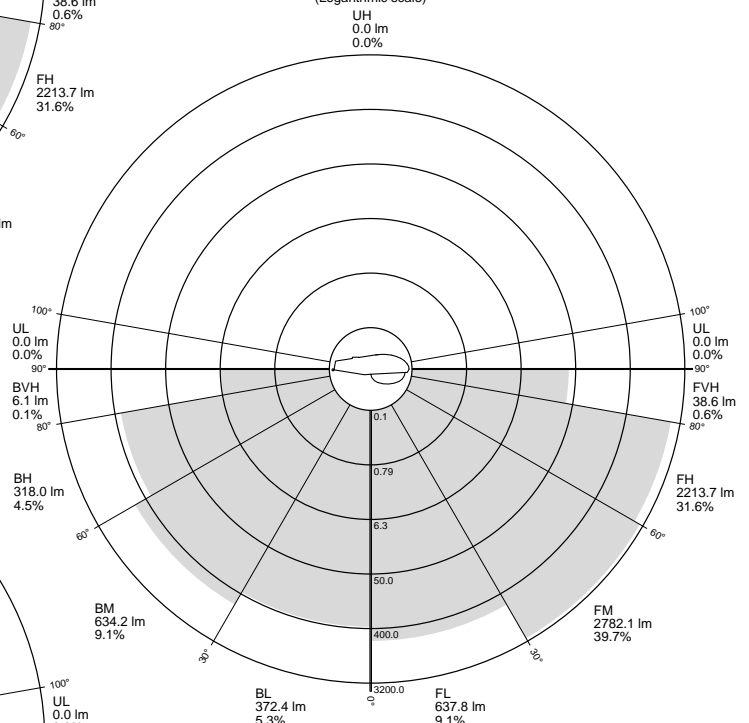
Backlight Rating Details

(Logarithmic scale)



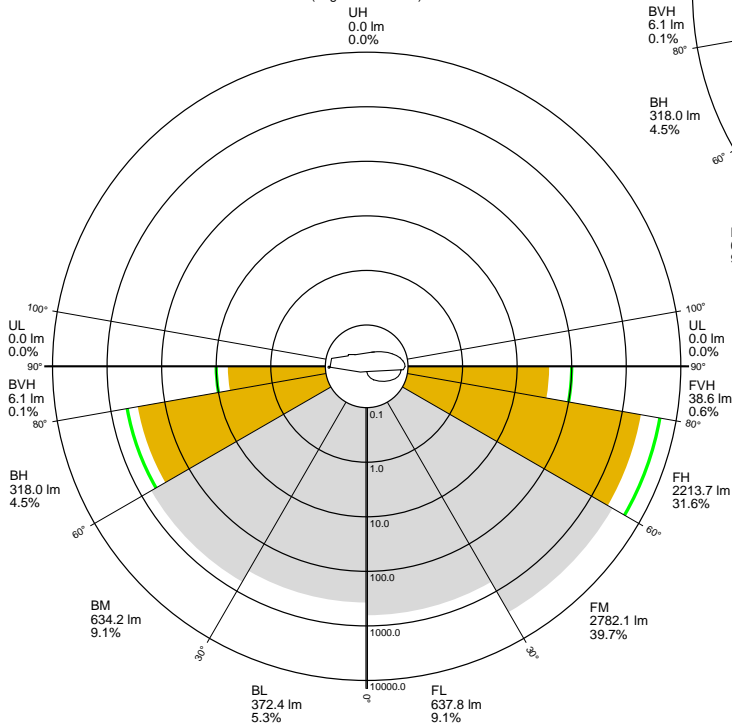
Uplight Rating Details

(Logarithmic scale)



Glare Rating Details

(Logarithmic scale)



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CANDELA TABULATION											
	STREET SIDE			LATERAL ANGLE							
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	80.0	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	0.	0.	1.	2.	4.	4.	5.	12.	8.	7.	5.
85.0	1.	1.	3.	3.	5.	10.	35.	21.	24.	26.	24.
V 82.5	4.	3.	5.	8.	34.	77.	154.	191.	221.	198.	129.
E 80.0	8.	7.	29.	74.	126.	246.	547.	726.	899.	759.	460.
R 77.5	15.	16.	96.	175.	321.	642.	1206.	1977.	2412.	2297.	1511.
T 75.0	26.	49.	187.	356.	654.	1087.	1811.	3092.	4666.	4532.	3384.
I 72.5	64.	119.	319.	589.	982.	1603.	2513.	3480.	5897.	6228.	5152.
C 70.0<<	150.	212.	460.	829.	1347.	2152.	3107.	3939.	6010.	6442.	5920.
A 67.5	289.	306.	638.	1101.	1747.	2674.	3379.	4425.	5033.	5583.	5334.
L 65.0	453.	447.	857.	1405.	2160.	3034.	3646.	4632.	4665.	4440.	4335.
62.5	603.	625.	1081.	1712.	2432.	3182.	3744.	4632.	4274.	3964.	3588.
A 60.0	738.	811.	1274.	1886.	2589.	3250.	3865.	4465.	4133.	3829.	3400.
N 57.5	856.	966.	1375.	2012.	2604.	3214.	3926.	4118.	3973.	3831.	3272.
G 55.0	1009.	1089.	1444.	2018.	2612.	3255.	3871.	3930.	3754.	3520.	3073.
L 52.5	1163.	1213.	1478.	2096.	2681.	3326.	3695.	3710.	3321.	3031.	2729.
E 50.0	1331.	1347.	1583.	2183.	2783.	3281.	3557.	3419.	2983.	2737.	2396.
47.5	1459.	1490.	1716.	2266.	2787.	3082.	3309.	3112.	2684.	2502.	2290.
45.0	1559.	1602.	1816.	2277.	2702.	2868.	2888.	2831.	2539.	2337.	2213.
42.5	1631.	1680.	1863.	2211.	2496.	2687.	2571.	2541.	2345.	2251.	2163.
40.0	1661.	1694.	1860.	2052.	2329.	2471.	2461.	2348.	2209.	2174.	2083.
37.5	1636.	1648.	1831.	1924.	2129.	2329.	2310.	2263.	2147.	2101.	1993.
35.0	1585.	1583.	1695.	1751.	1967.	2121.	2194.	2231.	2039.	1964.	1878.
32.5	1527.	1531.	1633.	1664.	1803.	1938.	2087.	2132.	1992.	1913.	1849.
30.0	1483.	1508.	1614.	1630.	1752.	1823.	1954.	1959.	1870.	1851.	1805.
25.0	1412.	1430.	1484.	1558.	1544.	1611.	1670.	1674.	1672.	1671.	1622.
20.0	1351.	1352.	1392.	1494.	1510.	1521.	1479.	1507.	1520.	1490.	1460.
15.0	1365.	1356.	1375.	1423.	1472.	1479.	1469.	1472.	1423.	1394.	1371.
10.0	1331.	1331.	1342.	1348.	1381.	1409.	1423.	1421.	1409.	1394.	1384.
5.0	1304.	1306.	1310.	1310.	1314.	1308.	1308.	1306.	1315.	1301.	1292.
0.0	1271.	1271.	1271.	1271.	1271.	1271.	1271.	1271.	1271.	1271.	1271.
										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	4.	4.	4.	3.	3.	3.	3.	2.	1.	1.
	85.0	12.	8.	5.	4.	4.	4.	3.	2.	2.	1.
V	82.5	101.	43.	31.	10.	6.	5.	4.	5.	5.	4.
E	80.0	400.	216.	98.	36.	15.	5.	5.	6.	6.	5.
R	77.5	1175.	570.	95.	31.	14.	5.	5.	6.	6.	5.
T	75.0	2449.	954.	116.	47.	14.	9.	5.	6.	5.	5.
I	72.5	3716.	1294.	465.	117.	15.	11.	5.	5.	5.	5.
C	70.0<<	4351.	1657.	676.	184.	23.	11.	6.	7.	6.	5.
A	67.5	4115.	2068.	1040.	239.	31.	12.	7.	7.	7.	5.
L	65.0	3488.	2046.	1342.	288.	77.	17.	10.	8.	8.	6.
	62.5	3063.	2063.	1133.	336.	187.	34.	14.	10.	9.	8.
A	60.0	2919.	2156.	1066.	427.	316.	49.	19.	18.	19.	11.
N	57.5	2743.	2140.	969.	468.	393.	105.	25.	21.	26.	13.
G	55.0	2586.	2148.	907.	508.	392.	171.	35.	25.	34.	13.
L	52.5	2370.	2114.	1009.	598.	377.	216.	90.	30.	38.	12.
E	50.0	2134.	1993.	1070.	715.	404.	224.	143.	63.	27.	15.
	47.5	2089.	1931.	1098.	744.	412.	218.	174.	109.	60.	36.
	45.0	2073.	1878.	1143.	741.	423.	248.	178.	142.	118.	65.
	42.5	2027.	1821.	1215.	756.	439.	281.	172.	147.	130.	85.
	40.0	1955.	1749.	1332.	795.	477.	309.	200.	142.	124.	89.
	37.5	1886.	1712.	1426.	840.	534.	341.	241.	167.	111.	89.
	35.0	1777.	1698.	1429.	903.	576.	394.	271.	212.	134.	104.
	32.5	1757.	1704.	1447.	964.	636.	441.	309.	244.	170.	134.
	30.0	1712.	1665.	1414.	1025.	714.	484.	348.	266.	192.	173.
	25.0	1580.	1538.	1347.	1160.	833.	622.	450.	336.	272.	253.
	20.0	1442.	1425.	1289.	1142.	979.	783.	639.	512.	440.	418.
	15.0	1359.	1355.	1287.	1200.	1118.	1024.	899.	774.	713.	707.
	10.0	1367.	1364.	1318.	1267.	1198.	1134.	1067.	1007.	979.	950.
	5.0	1279.	1273.	1258.	1248.	1232.	1204.	1185.	1180.	1164.	1157.
	0.0	1271.	1271.	1271.	1271.	1271.	1271.	1271.	1271.	1271.	1271.

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	30
5- 10	90
10- 15	148
15- 20	195
20- 25	244
25- 30	304
30- 35	371
35- 40	445
40- 45	528
45- 50	617
50- 55	694
55- 60	761
60- 65	792
65- 70	795
70- 75	654
75- 80	290
80- 85	43
85- 90	2
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	120
0- 20	463
0- 30	1010
0- 40	1827
0- 50	2971
0- 60	4426
0- 70	6014
0- 80	6958
0- 90	7003
0-100	7003
0-110	7003
0-120	7003
0-130	7003
0-140	7003
0-150	7003
0-160	7003
0-170	7003
0-180	7003