

REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 1 OF 10

ISSUE DATE: 05/09/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T78Y/480 - RWLED2T78Y/480 - RWLED2T78SFY/480 -
WPLED2T78Y/480 (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.

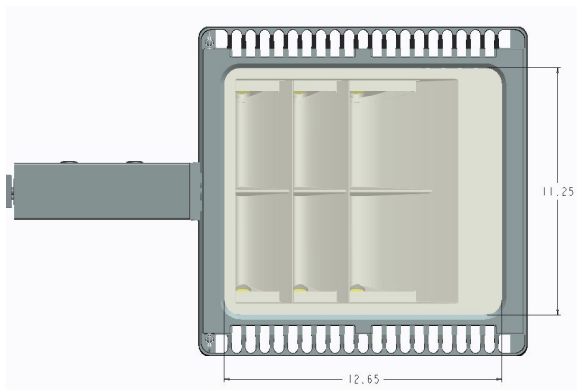
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04363 WHICH WAS
ALED2T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 79.5 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: RD-S075-A2100-480

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

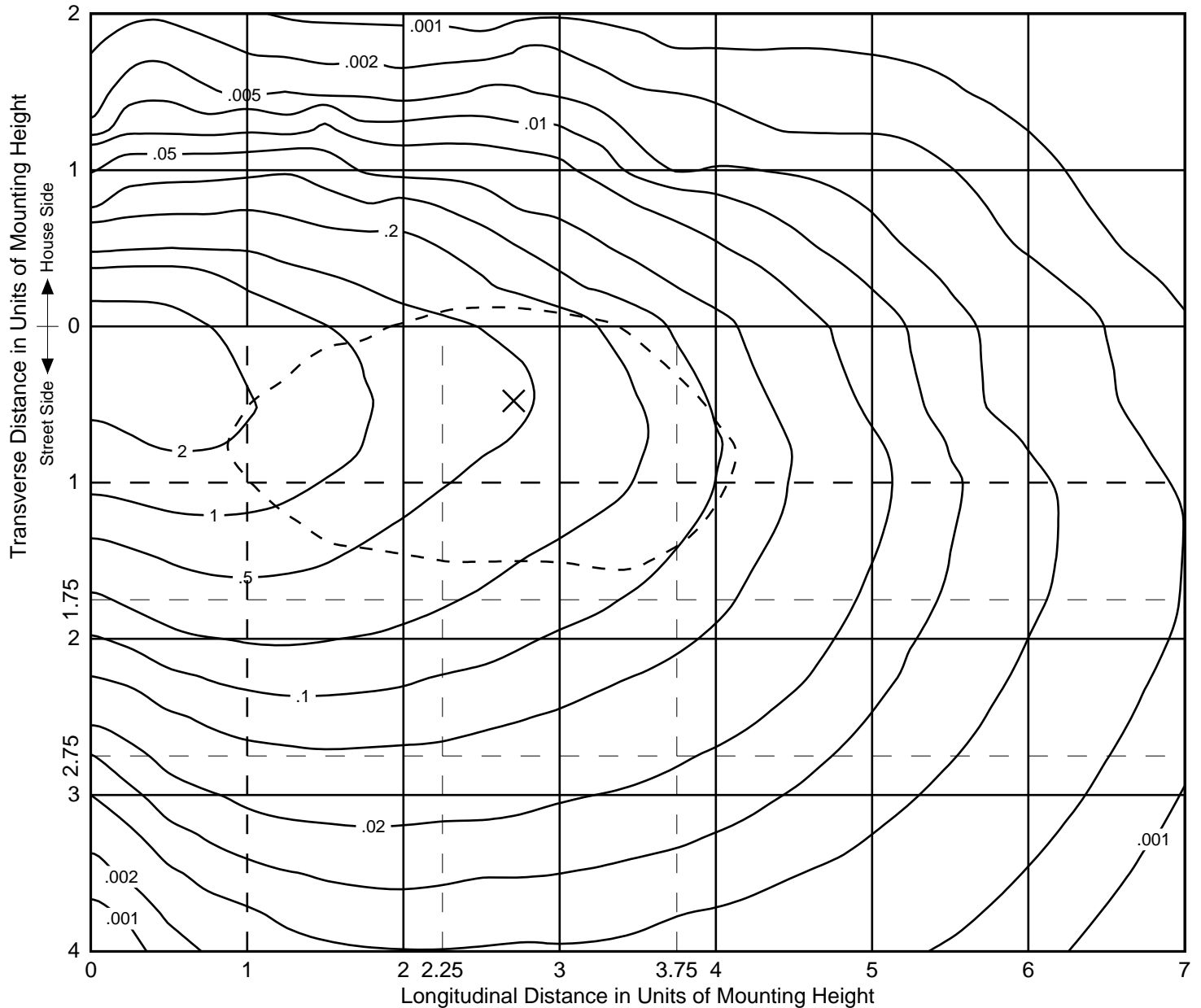
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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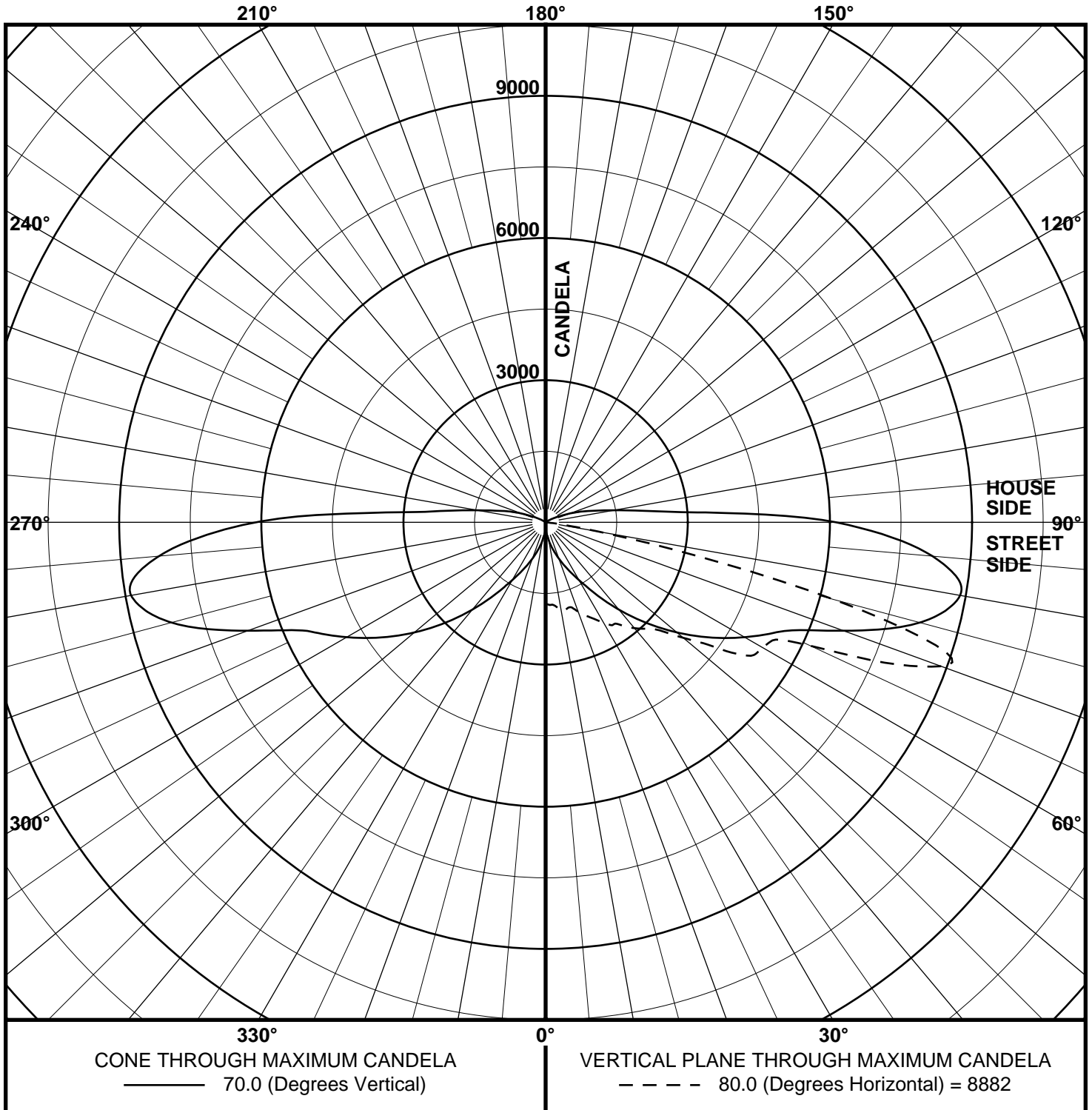
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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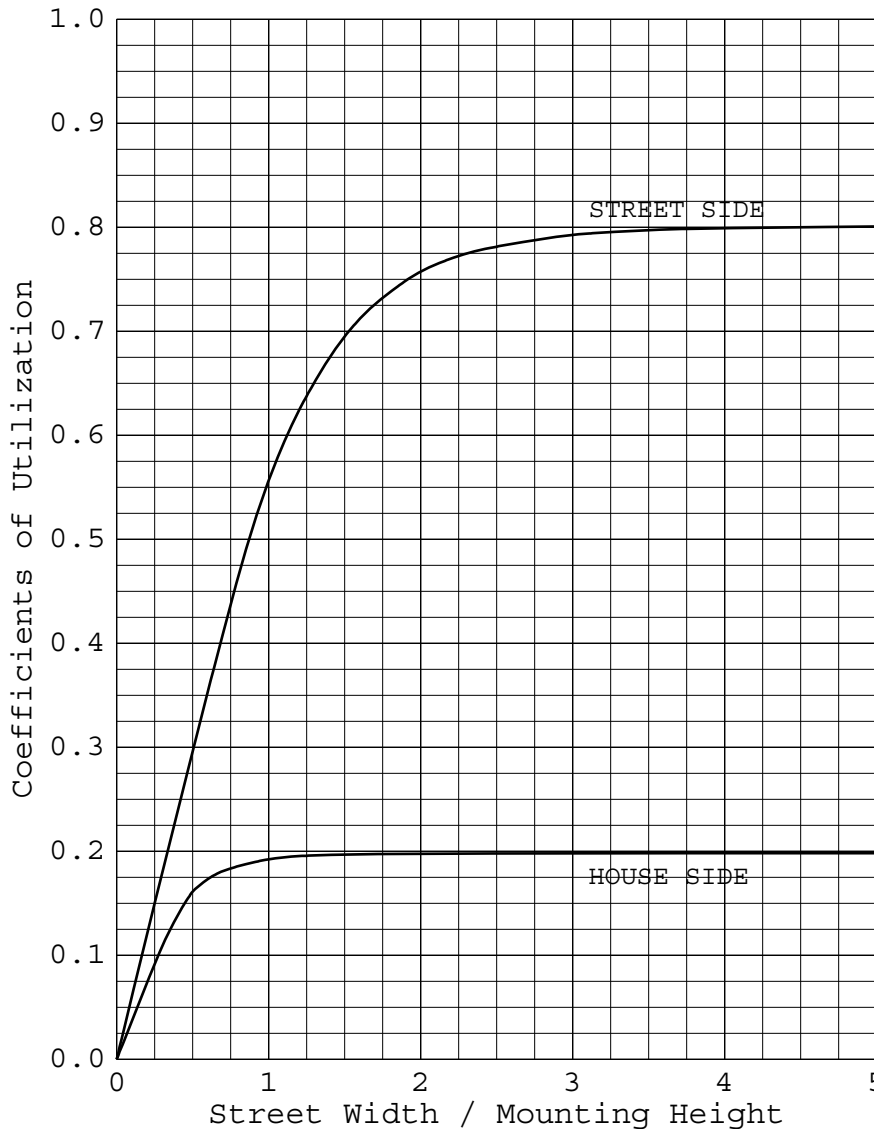
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	7681	80.1
DOWNWARD HOUSE SIDE	1905	19.9
DOWNWARD TOTAL	9586	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	9586	100.0

EFFICACY = 120.6 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				B2	U0	G2
Zonal Summary			Lumens	% of Fixture		Zone Ratings
				B	U	G
Forward			7681	80.1		
FL	(0° – 30°)		851.7	8.9		
FM	(30° – 60°)		3736.6	39.0		
FH	(60° – 80°)		3038.5	31.7		
FVH	(80° – 90°)		54.5	0.6		
Backward			1905	19.9		
BL	(0° – 30°)		531.6	5.5		
BM	(30° – 60°)		905.9	9.5		
BH	(60° – 80°)		458.7	4.8		
BVH	(80° – 90°)		8.3	0.1		
Upward			0	0.0		
UL	(90° – 100°)		0.0	0.0		
UH	(100° – 180°)		0.0	0.0		
Trapped Light			0	0.0		
Total Flux			9586	100.0		

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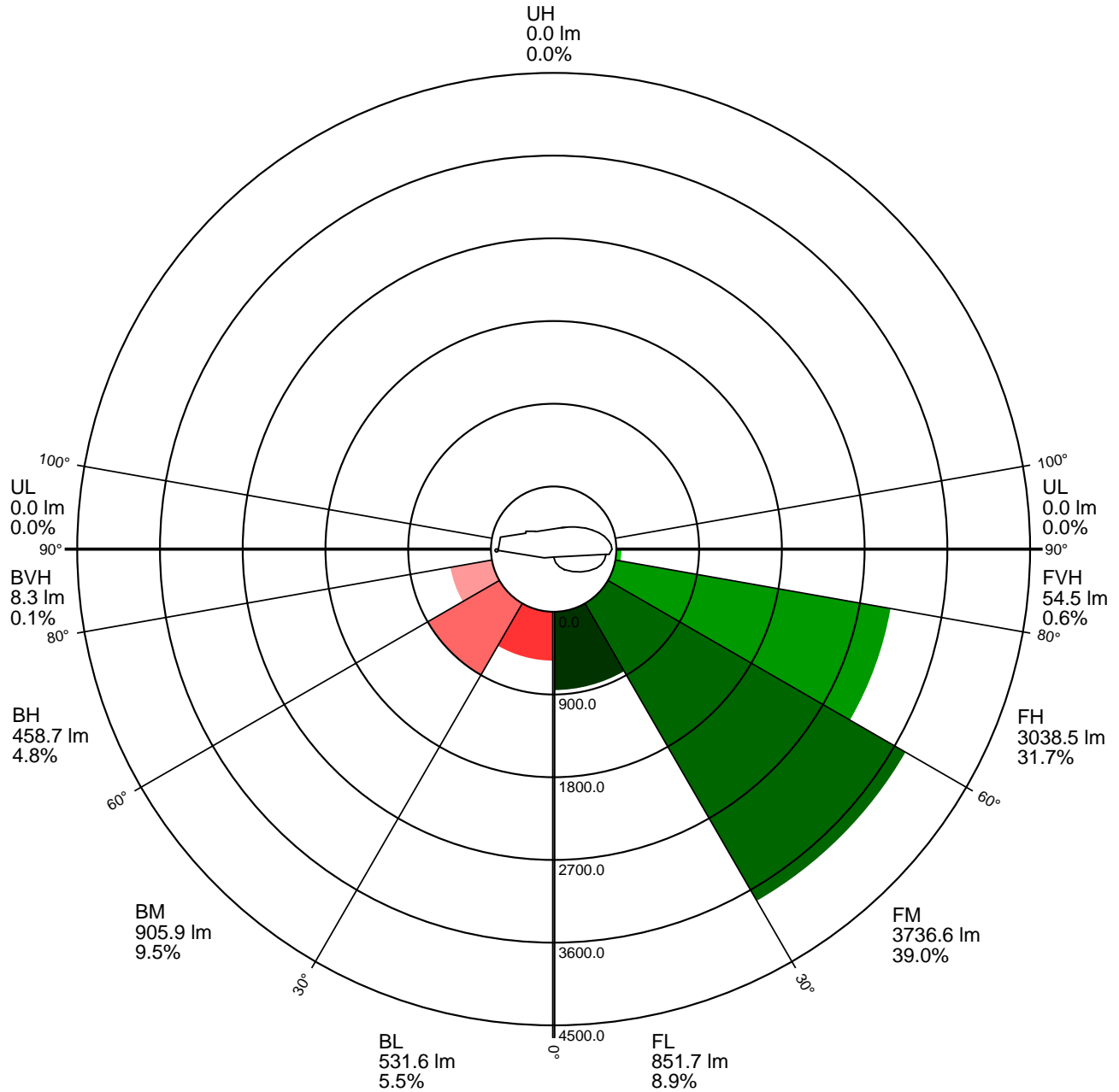
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Zonal Lumen Summary

(Linear scale)



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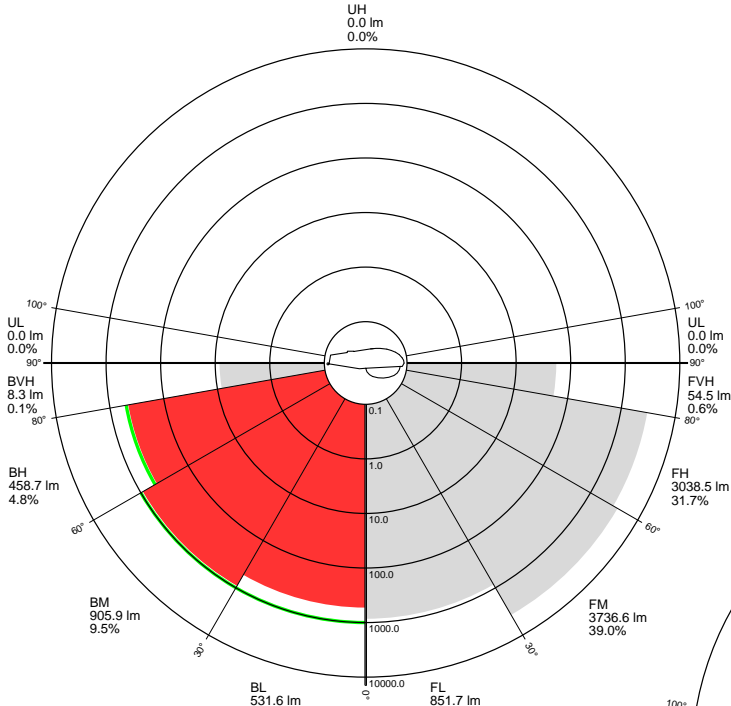
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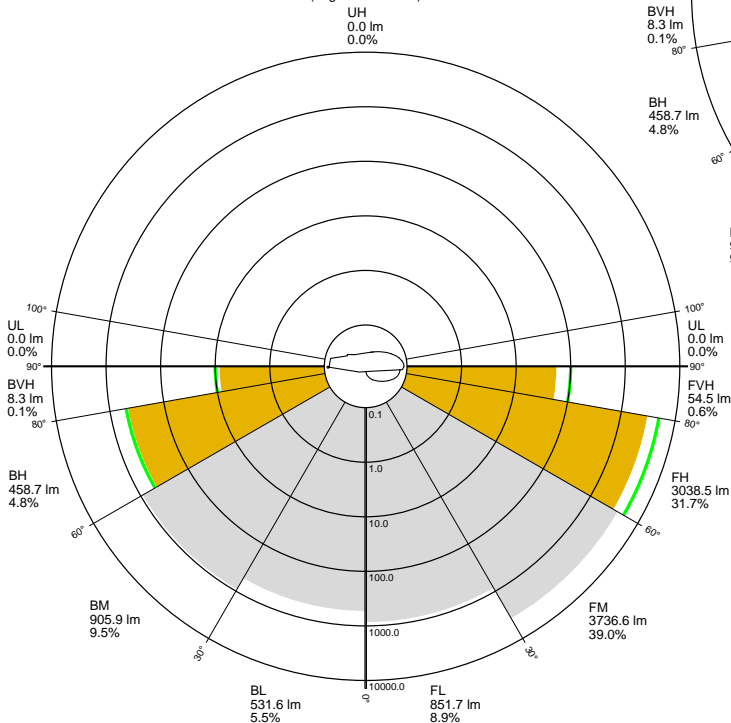
Backlight Rating Details

(Logarithmic scale)



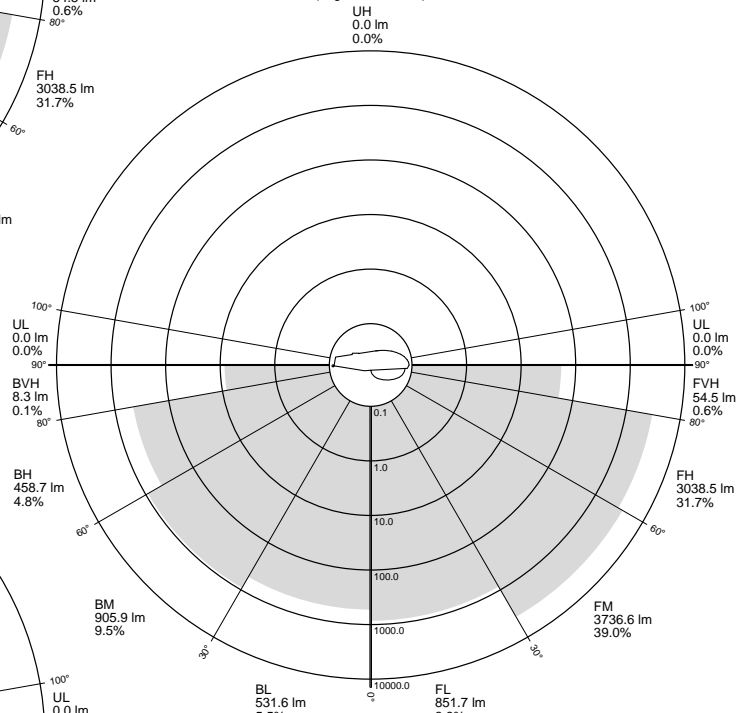
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET	LATERAL ANGLE										
		SIDE	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	80.0
	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	1.	1.	2.	3.	5.	6.	8.	18.	10.	13.	7.
	85.0	2.	2.	4.	5.	7.	14.	49.	28.	35.	41.	31.
V	82.5	6.	4.	7.	11.	41.	122.	211.	260.	333.	286.	180.
E	80.0	12.	8.	18.	96.	187.	357.	740.	1064.	1221.	1133.	626.
R	77.5	19.	18.	82.	253.	434.	914.	1679.	2847.	3341.	3253.	2014.
T	75.0	29.	48.	211.	482.	859.	1544.	2583.	4419.	6432.	6320.	4555.
I	72.5	68.	125.	393.	777.	1313.	2234.	3575.	4862.	8169.	8638.	6966.
C	70.0<<	149.	241.	587.	1084.	1855.	3000.	4237.	5458.	8176.	8882.	8196.
A	67.5	329.	369.	807.	1487.	2442.	3695.	4599.	6060.	6945.	7742.	7413.
L	65.0	535.	552.	1130.	1929.	3000.	4133.	4916.	6232.	6286.	6157.	6164.
	62.5	718.	776.	1450.	2322.	3298.	4316.	5132.	6216.	5919.	5399.	4949.
A	60.0	894.	1013.	1681.	2506.	3464.	4330.	5221.	6156.	5834.	5288.	4741.
N	57.5	1083.	1212.	1820.	2643.	3471.	4295.	5262.	5692.	5555.	5212.	4504.
G	55.0	1298.	1389.	1856.	2653.	3440.	4385.	5204.	5440.	5086.	4793.	4251.
L	52.5	1525.	1587.	1965.	2747.	3611.	4464.	4989.	5073.	4458.	4191.	3674.
E	50.0	1733.	1767.	2113.	2923.	3724.	4417.	4854.	4713.	4004.	3792.	3263.
	47.5	1922.	1960.	2307.	3016.	3700.	4135.	4531.	4229.	3703.	3436.	3120.
	45.0	2049.	2110.	2436.	3040.	3579.	3824.	3904.	3837.	3495.	3183.	2984.
	42.5	2142.	2210.	2486.	2932.	3311.	3576.	3502.	3429.	3240.	3045.	2913.
	40.0	2179.	2217.	2454.	2720.	3085.	3358.	3294.	3137.	3024.	2917.	2793.
	37.5	2145.	2159.	2397.	2544.	2845.	3116.	3075.	2981.	2916.	2770.	2623.
	35.0	2048.	2055.	2240.	2342.	2592.	2771.	2886.	2950.	2764.	2613.	2476.
	32.5	1983.	1995.	2155.	2186.	2362.	2533.	2715.	2831.	2694.	2573.	2476.
	30.0	1944.	1973.	2104.	2134.	2290.	2397.	2553.	2615.	2510.	2453.	2412.
	25.0	1876.	1883.	1955.	2054.	2029.	2118.	2246.	2269.	2238.	2209.	2184.
	20.0	1790.	1795.	1848.	1994.	2018.	2037.	2004.	2030.	2015.	2005.	1949.
	15.0	1845.	1834.	1854.	1922.	1993.	1999.	1980.	1957.	1915.	1864.	1848.
	10.0	1791.	1795.	1809.	1820.	1845.	1882.	1921.	1922.	1903.	1887.	1870.
	5.0	1755.	1757.	1766.	1762.	1763.	1759.	1756.	1751.	1763.	1747.	1743.
	0.0	1719.	1719.	1719.	1719.	1719.	1719.	1719.	1719.	1719.	1719.	1719.

||
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	6.	5.	6.	5.	4.	4.	3.	2.	2.	2.
	85.0	18.	10.	7.	6.	5.	5.	5.	3.	2.	2.
V	82.5	136.	45.	44.	13.	8.	6.	5.	6.	6.	5.
E	80.0	563.	318.	134.	47.	21.	7.	7.	8.	7.	6.
R	77.5	1638.	847.	136.	43.	20.	7.	7.	7.	7.	6.
T	75.0	3315.	1435.	189.	60.	21.	11.	6.	7.	7.	6.
I	72.5	5170.	1996.	735.	167.	24.	13.	6.	7.	7.	6.
C	70.0<<	6131.	2551.	922.	253.	27.	14.	7.	8.	8.	6.
A	67.5	5904.	3093.	1438.	294.	44.	18.	9.	9.	9.	7.
L	65.0	5058.	3011.	1887.	369.	106.	22.	13.	10.	10.	9.
	62.5	4350.	2975.	1615.	480.	286.	56.	18.	15.	14.	11.
A	60.0	4065.	3119.	1587.	602.	462.	75.	26.	24.	28.	17.
N	57.5	3819.	3067.	1453.	636.	542.	169.	33.	28.	36.	18.
G	55.0	3624.	3026.	1367.	669.	522.	247.	64.	33.	43.	17.
L	52.5	3292.	2988.	1506.	831.	532.	298.	144.	52.	59.	18.
E	50.0	2986.	2793.	1586.	1010.	561.	293.	207.	103.	49.	23.
	47.5	2894.	2704.	1626.	1081.	566.	296.	240.	158.	98.	57.
	45.0	2827.	2613.	1690.	1100.	595.	342.	232.	196.	167.	96.
	42.5	2743.	2489.	1794.	1141.	649.	383.	237.	194.	176.	121.
	40.0	2632.	2411.	1939.	1208.	721.	430.	283.	190.	161.	128.
	37.5	2501.	2337.	2041.	1264.	822.	497.	340.	246.	147.	129.
	35.0	2372.	2330.	2018.	1343.	899.	591.	387.	306.	199.	154.
	32.5	2357.	2339.	2041.	1434.	983.	676.	460.	349.	249.	203.
	30.0	2289.	2271.	1982.	1523.	1085.	753.	531.	392.	285.	259.
	25.0	2122.	2095.	1885.	1668.	1244.	945.	699.	529.	422.	395.
	20.0	1940.	1924.	1794.	1605.	1429.	1173.	974.	782.	672.	635.
	15.0	1825.	1822.	1778.	1678.	1585.	1485.	1323.	1131.	1057.	1040.
	10.0	1849.	1845.	1808.	1757.	1678.	1591.	1508.	1433.	1397.	1379.
	5.0	1726.	1723.	1712.	1705.	1690.	1659.	1640.	1622.	1619.	1614.
	0.0	1719.	1719.	1719.	1719.	1719.	1719.	1719.	1719.	1719.	1719.

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	41
5- 10	123
10- 15	203
15- 20	268
20- 25	334
25- 30	413
30- 35	502
35- 40	602
40- 45	717
45- 50	840
50- 55	944
55- 60	1038
60- 65	1087
65- 70	1097
70- 75	909
75- 80	405
80- 85	60
85- 90	3
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	164
0- 20	636
0- 30	1383
0- 40	2487
0- 50	4044
0- 60	6026
0- 70	8209
0- 80	9523
0- 90	9586
0-100	9586
0-110	9586
0-120	9586
0-130	9586
0-140	9586
0-150	9586
0-160	9586
0-170	9586
0-180	9586