

REPORT NUMBER: PRORATED FROM RAB04363

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ISSUE DATE: 05/09/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T78N/480 - RWLED2T78N/480 - RWLED2T78SFN/480 -
WPLED2T78N/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.

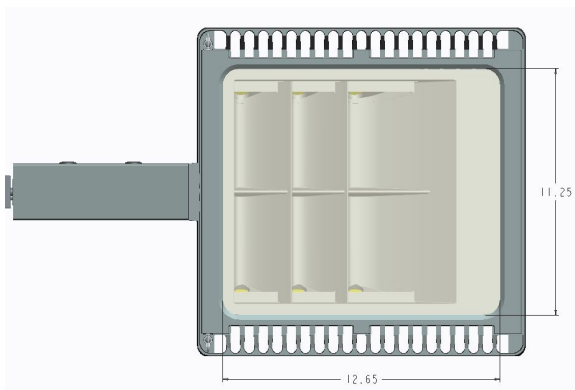
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04363 WHICH WAS
ALED2T125Y/480. ACTUAL PERFORMANCE MAY VARY.

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

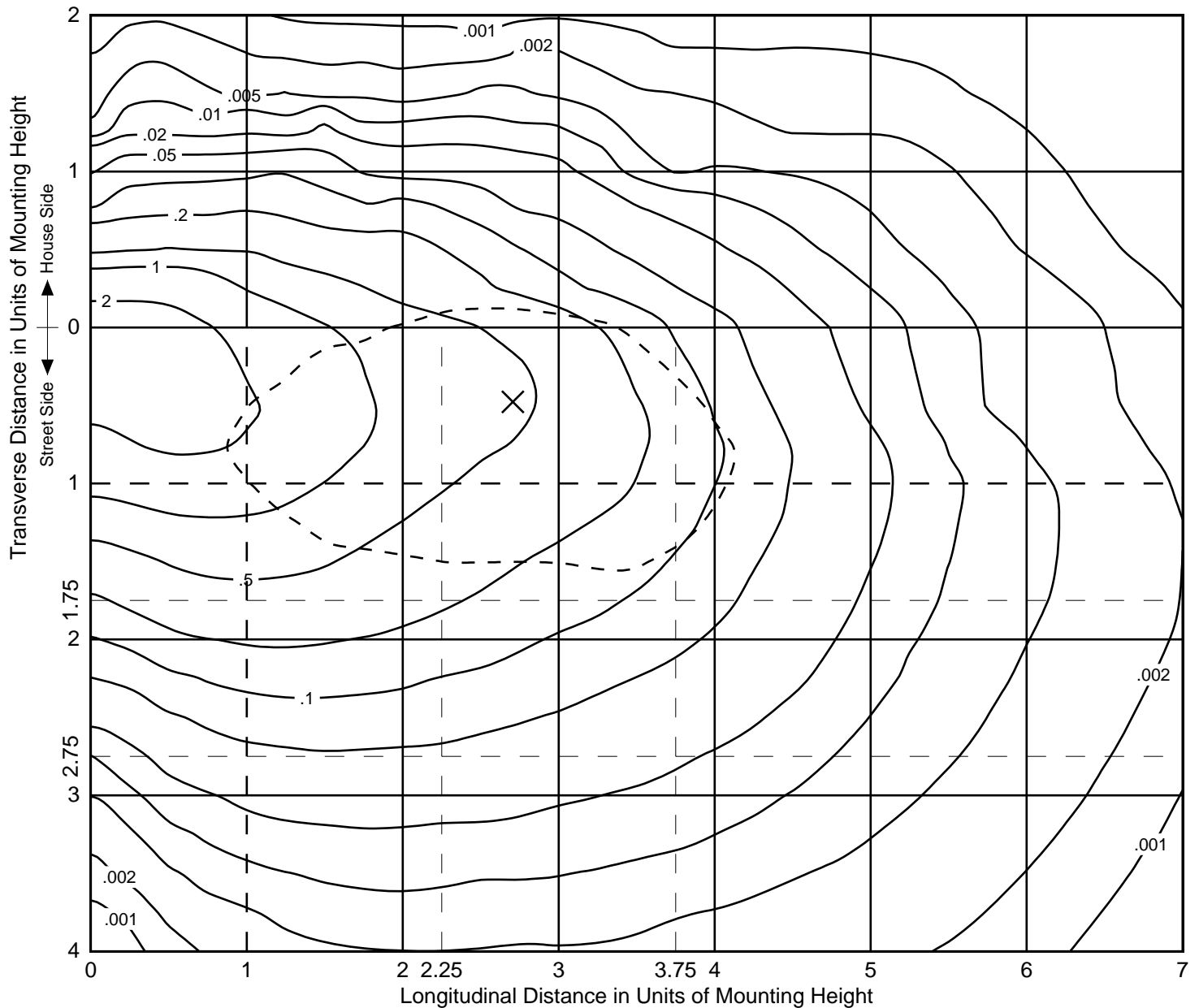
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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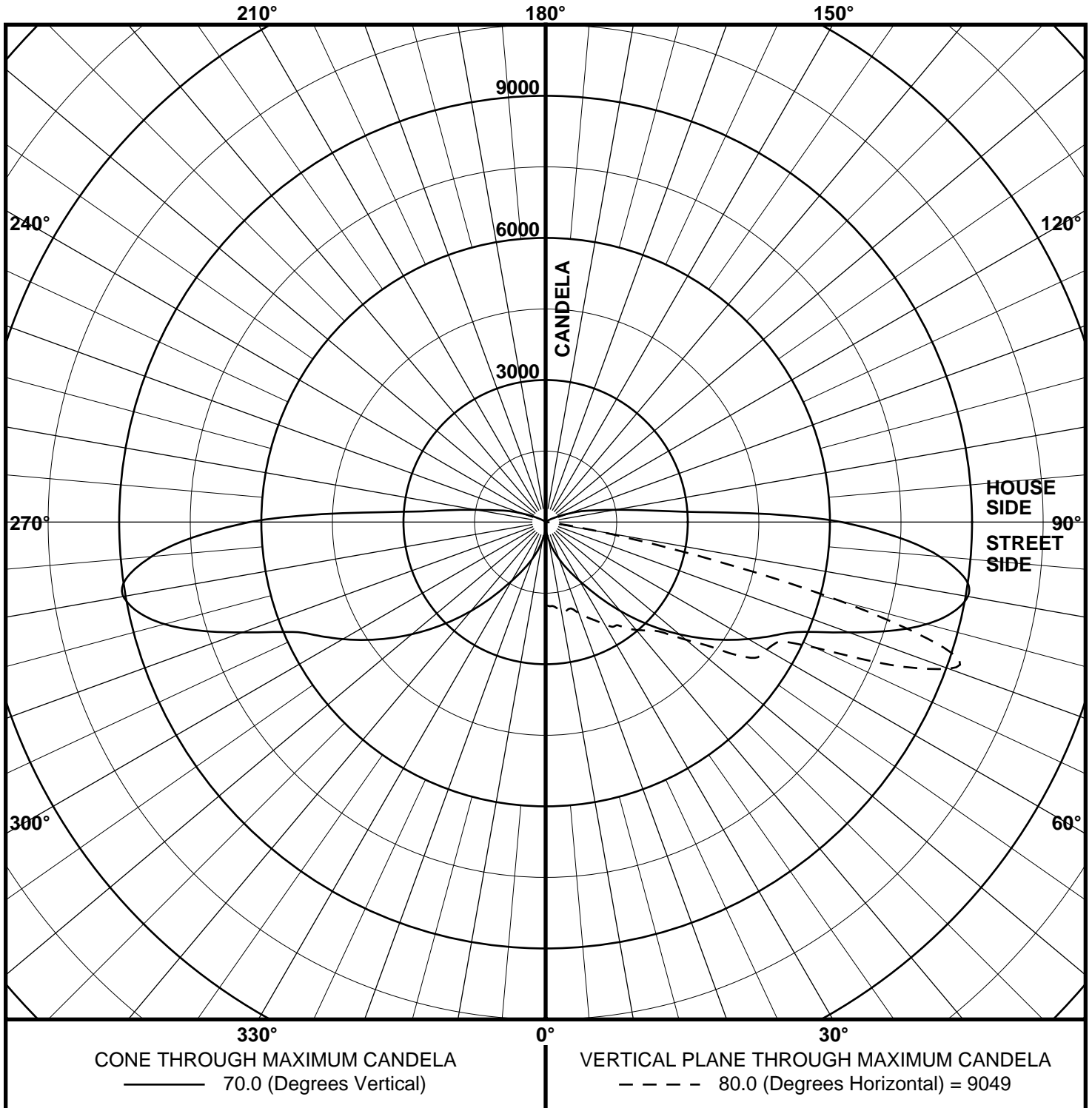
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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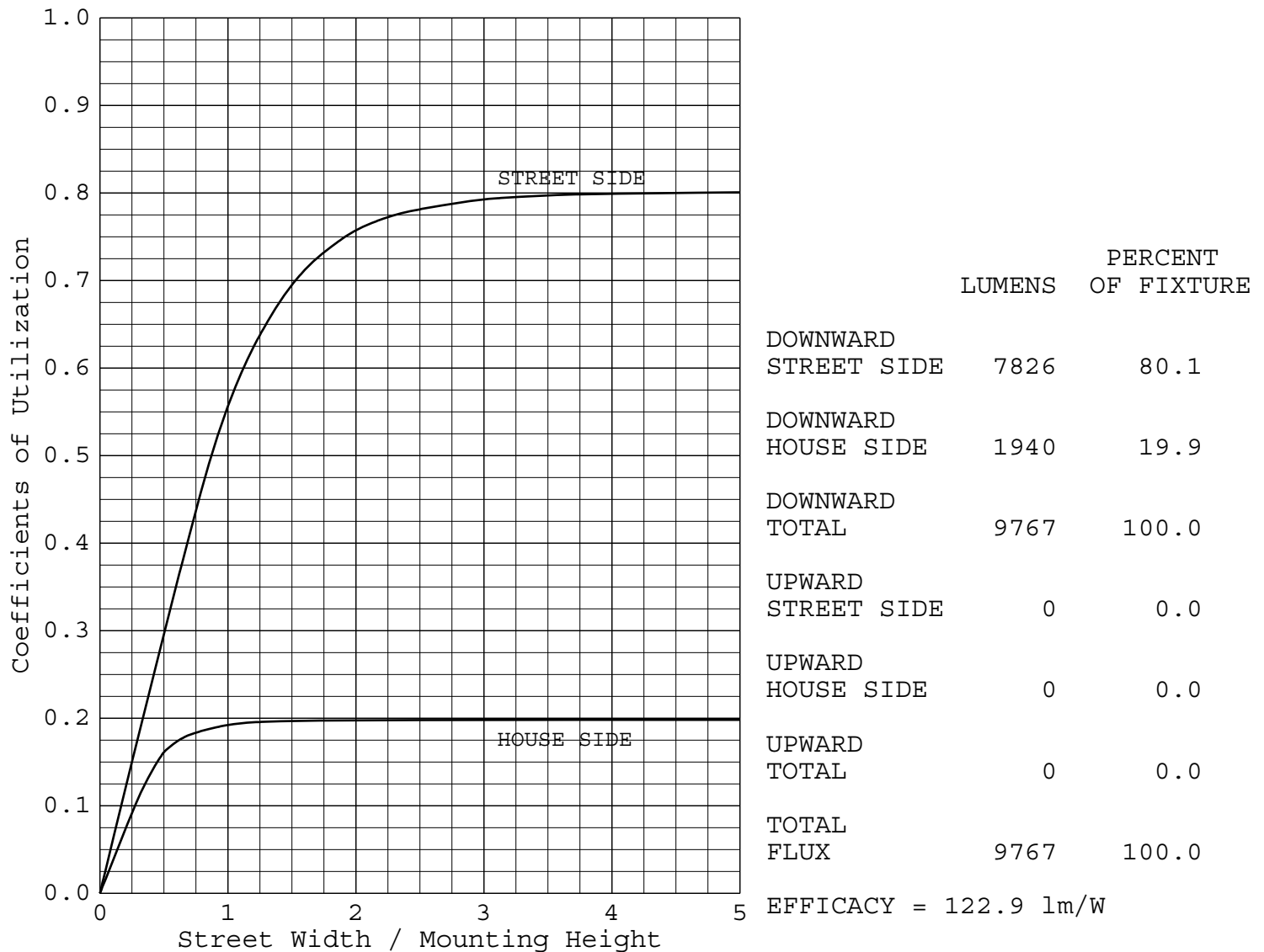
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



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		7826	80.1			
FL	(0° – 30°)	867.8	8.9			
FM	(30° – 60°)	3807.2	39.0			
FH	(60° – 80°)	3095.9	31.7			G2
FVH	(80° – 90°)	55.5	0.6			G1
Backward		1940	19.9			
BL	(0° – 30°)	541.6	5.5	B2		
BM	(30° – 60°)	923.0	9.5	B1		
BH	(60° – 80°)	467.4	4.8	B1		G1
BVH	(80° – 90°)	8.5	0.1			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		9767	100.0			

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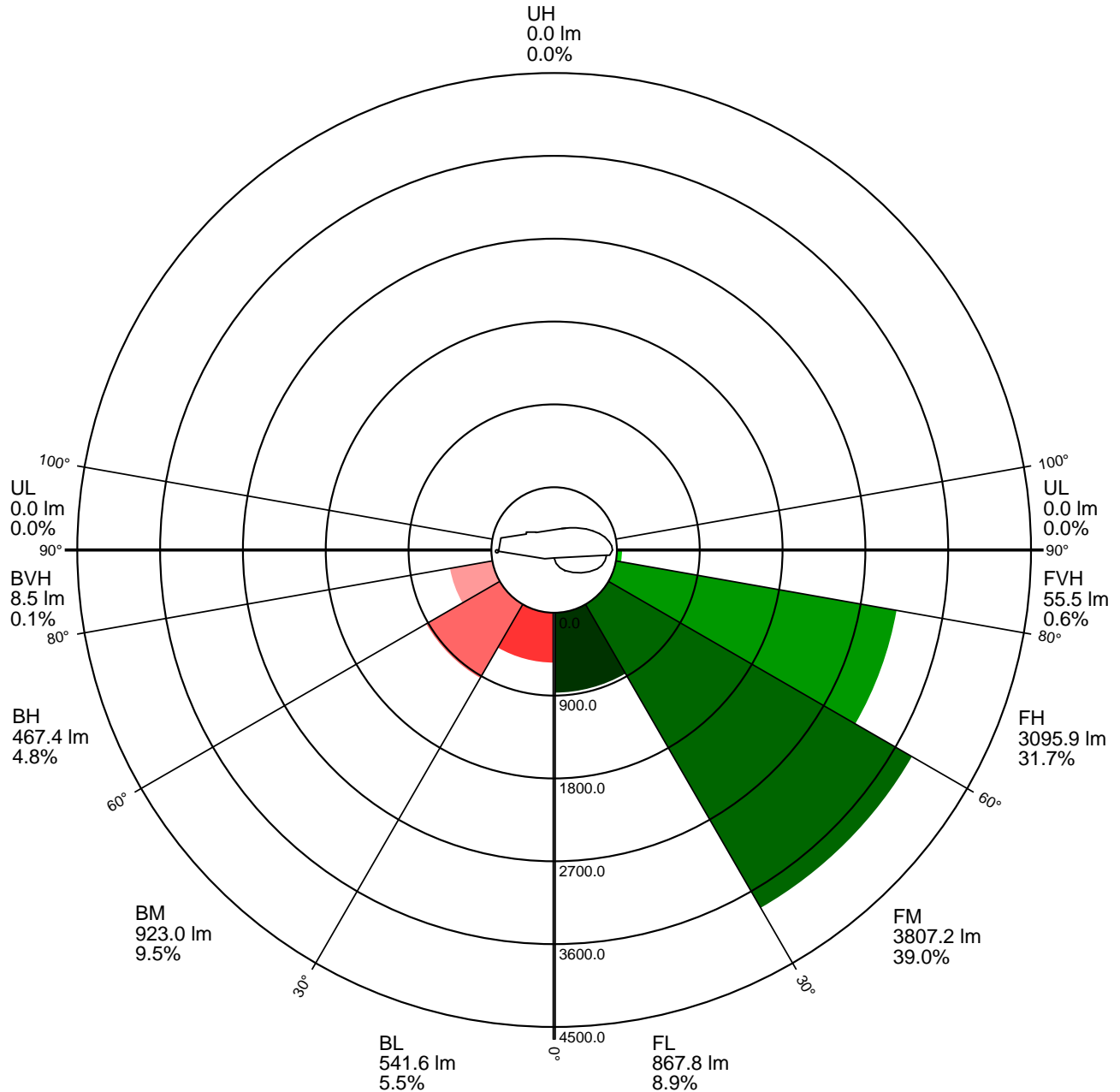
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Zonal Lumen Summary

(Linear scale)



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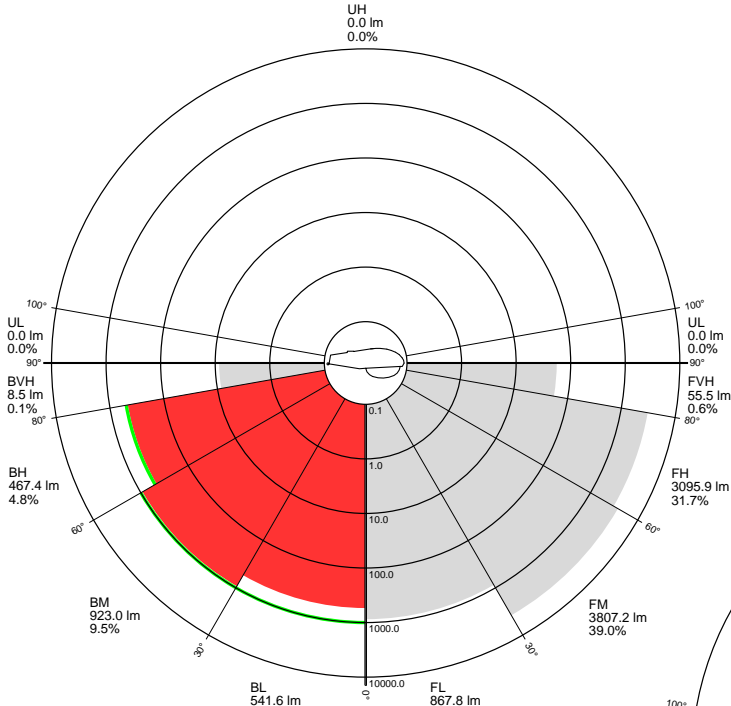
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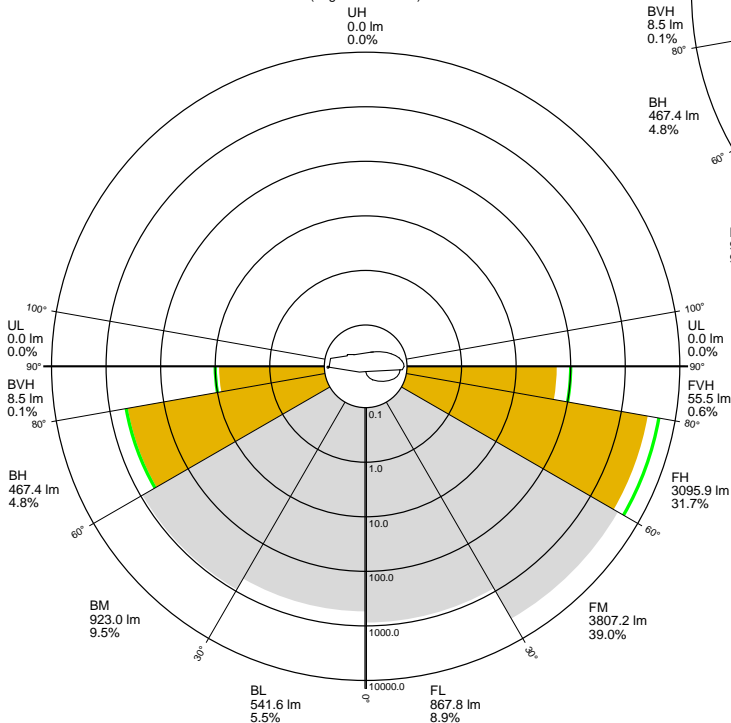
Backlight Rating Details

(Logarithmic scale)



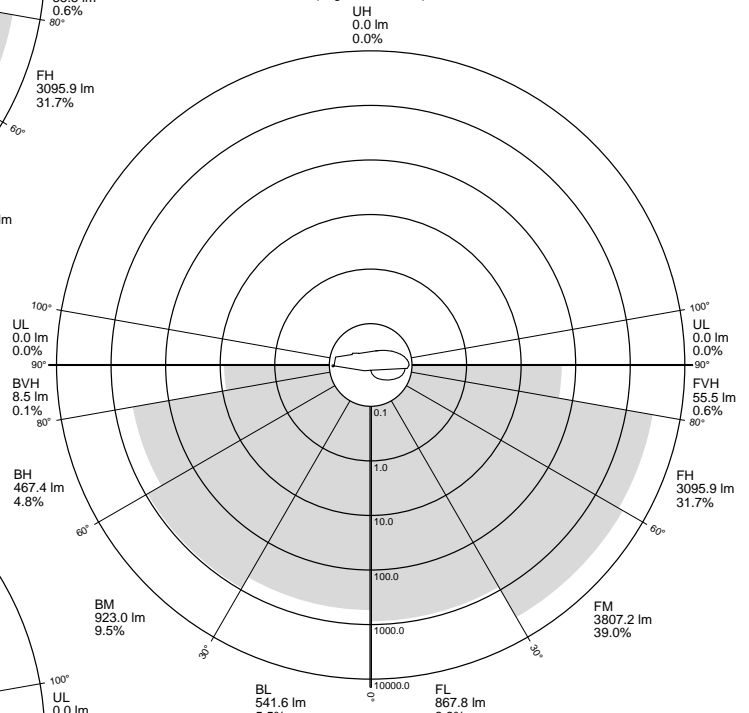
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET	SIDE	LATERAL ANGLE									
		0.0	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	1.	1.	2.	3.	5.	6.	8.	18.	10.	13.	7.
	85.0	2.	2.	4.	5.	8.	15.	50.	29.	36.	42.	32.
V	82.5	6.	4.	8.	12.	42.	124.	215.	265.	340.	291.	184.
E	80.0	12.	8.	19.	98.	190.	364.	754.	1084.	1244.	1154.	638.
R	77.5	19.	18.	83.	258.	443.	931.	1711.	2901.	3404.	3314.	2052.
T	75.0	29.	49.	215.	491.	875.	1573.	2631.	4502.	6554.	6440.	4641.
I	72.5	70.	127.	400.	791.	1338.	2277.	3643.	4954.	8323.	8801.	7097.
C	70.0<<	152.	246.	598.	1104.	1890.	3057.	4317.	5561.	8330.	9049.	8350.
A	67.5	335.	376.	822.	1515.	2488.	3765.	4686.	6174.	7077.	7888.	7553.
L	65.0	546.	562.	1151.	1965.	3057.	4211.	5008.	6350.	6405.	6273.	6281.
	62.5	732.	790.	1477.	2366.	3361.	4397.	5229.	6334.	6031.	5501.	5042.
A	60.0	911.	1032.	1713.	2553.	3530.	4412.	5319.	6272.	5944.	5388.	4831.
N	57.5	1103.	1235.	1854.	2693.	3536.	4376.	5361.	5800.	5659.	5311.	4589.
G	55.0	1323.	1415.	1891.	2703.	3505.	4468.	5302.	5542.	5182.	4884.	4331.
L	52.5	1554.	1617.	2003.	2799.	3680.	4548.	5083.	5168.	4543.	4270.	3743.
E	50.0	1765.	1801.	2152.	2978.	3794.	4500.	4945.	4802.	4080.	3864.	3324.
	47.5	1958.	1997.	2350.	3073.	3770.	4214.	4616.	4309.	3773.	3501.	3179.
	45.0	2087.	2150.	2482.	3098.	3647.	3896.	3978.	3910.	3561.	3244.	3040.
	42.5	2182.	2251.	2533.	2987.	3374.	3644.	3568.	3494.	3301.	3102.	2968.
	40.0	2220.	2259.	2501.	2772.	3143.	3421.	3356.	3197.	3081.	2973.	2846.
	37.5	2185.	2199.	2442.	2592.	2899.	3174.	3134.	3038.	2971.	2823.	2672.
	35.0	2087.	2093.	2282.	2386.	2641.	2823.	2940.	3006.	2816.	2662.	2522.
	32.5	2021.	2032.	2196.	2227.	2406.	2581.	2766.	2884.	2745.	2621.	2523.
	30.0	1980.	2010.	2144.	2174.	2333.	2442.	2601.	2665.	2557.	2500.	2458.
	25.0	1912.	1918.	1991.	2093.	2068.	2158.	2288.	2312.	2281.	2251.	2226.
	20.0	1823.	1829.	1883.	2031.	2056.	2075.	2042.	2068.	2053.	2042.	1986.
	15.0	1880.	1869.	1889.	1958.	2031.	2037.	2017.	1994.	1952.	1900.	1883.
	10.0	1825.	1829.	1843.	1854.	1880.	1918.	1957.	1958.	1939.	1922.	1905.
	5.0	1788.	1791.	1799.	1795.	1796.	1792.	1789.	1784.	1797.	1780.	1776.
	0.0	1751.	1751.	1751.	1751.	1751.	1751.	1751.	1751.	1751.	1751.	1751.

||
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.	4.	2.	2.	2.
	85.0	19.	11.	8.	6.	5.	5.	5.	4.	2.	2.
V	82.5	139.	46.	44.	13.	8.	6.	5.	6.	6.	5.
E	80.0	574.	324.	137.	48.	21.	7.	7.	8.	8.	6.
R	77.5	1669.	863.	139.	43.	20.	8.	7.	8.	8.	6.
T	75.0	3378.	1462.	193.	61.	21.	12.	6.	8.	7.	6.
I	72.5	5267.	2034.	749.	170.	25.	13.	6.	8.	7.	6.
C	70.0<<	6247.	2600.	939.	258.	28.	14.	8.	8.	8.	6.
A	67.5	6015.	3152.	1465.	300.	44.	18.	9.	9.	9.	7.
L	65.0	5153.	3067.	1923.	376.	108.	22.	13.	11.	11.	9.
	62.5	4432.	3031.	1645.	489.	292.	57.	18.	15.	14.	11.
A	60.0	4142.	3177.	1617.	613.	471.	76.	26.	24.	29.	17.
N	57.5	3891.	3125.	1480.	648.	553.	173.	33.	28.	37.	18.
G	55.0	3692.	3083.	1393.	682.	532.	252.	65.	34.	43.	18.
L	52.5	3354.	3045.	1534.	846.	542.	303.	147.	53.	60.	18.
E	50.0	3043.	2846.	1616.	1029.	571.	299.	211.	105.	50.	23.
	47.5	2949.	2755.	1657.	1102.	577.	302.	245.	161.	100.	58.
	45.0	2880.	2662.	1722.	1120.	606.	349.	236.	200.	170.	98.
	42.5	2795.	2536.	1828.	1163.	661.	390.	241.	197.	180.	123.
	40.0	2682.	2456.	1976.	1231.	735.	438.	288.	193.	164.	130.
	37.5	2549.	2381.	2080.	1288.	838.	506.	347.	251.	149.	132.
	35.0	2416.	2374.	2056.	1369.	916.	602.	394.	311.	203.	157.
	32.5	2402.	2383.	2080.	1461.	1002.	689.	468.	356.	254.	207.
	30.0	2332.	2314.	2020.	1552.	1105.	767.	541.	399.	290.	264.
	25.0	2162.	2134.	1921.	1700.	1268.	962.	712.	539.	430.	402.
	20.0	1977.	1960.	1828.	1636.	1456.	1195.	993.	797.	684.	647.
	15.0	1859.	1857.	1811.	1710.	1614.	1513.	1348.	1153.	1077.	1060.
	10.0	1884.	1880.	1842.	1790.	1710.	1621.	1536.	1460.	1424.	1405.
	5.0	1758.	1756.	1744.	1737.	1722.	1691.	1671.	1653.	1650.	1645.
	0.0	1751.	1751.	1751.	1751.	1751.	1751.	1751.	1751.	1751.	1751.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	42
5- 10	125
10- 15	207
15- 20	273
20- 25	340
25- 30	421
30- 35	511
35- 40	613
40- 45	730
45- 50	856
50- 55	961
55- 60	1058
60- 65	1107
65- 70	1118
70- 75	926
75- 80	413
80- 85	61
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	167
0- 20	648
0- 30	1409
0- 40	2534
0- 50	4120
0- 60	6140
0- 70	8364
0- 80	9703
0- 90	9767
0-100	9767
0-110	9767
0-120	9767
0-130	9767
0-140	9767
0-150	9767
0-160	9767
0-170	9767
0-180	9767