

REPORT NUMBER: PRORATED FROM RAB04286

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ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T78 - RWLED2T78 - RWLED2T78SF - WPLED2T78 (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.

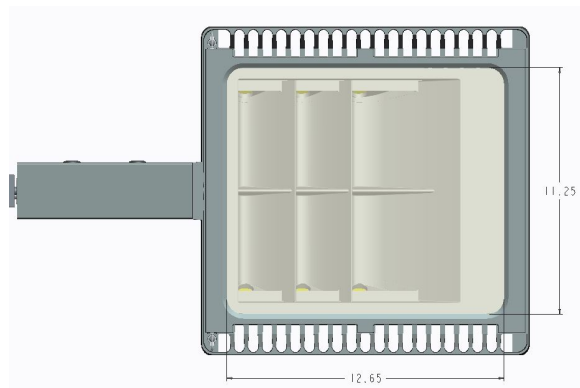
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04286 WHICH WAS ALED2T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 76.2 W AT 120.0 VAC.

LED DRIVER: LED DRIVER: RDD-U85-A2100

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

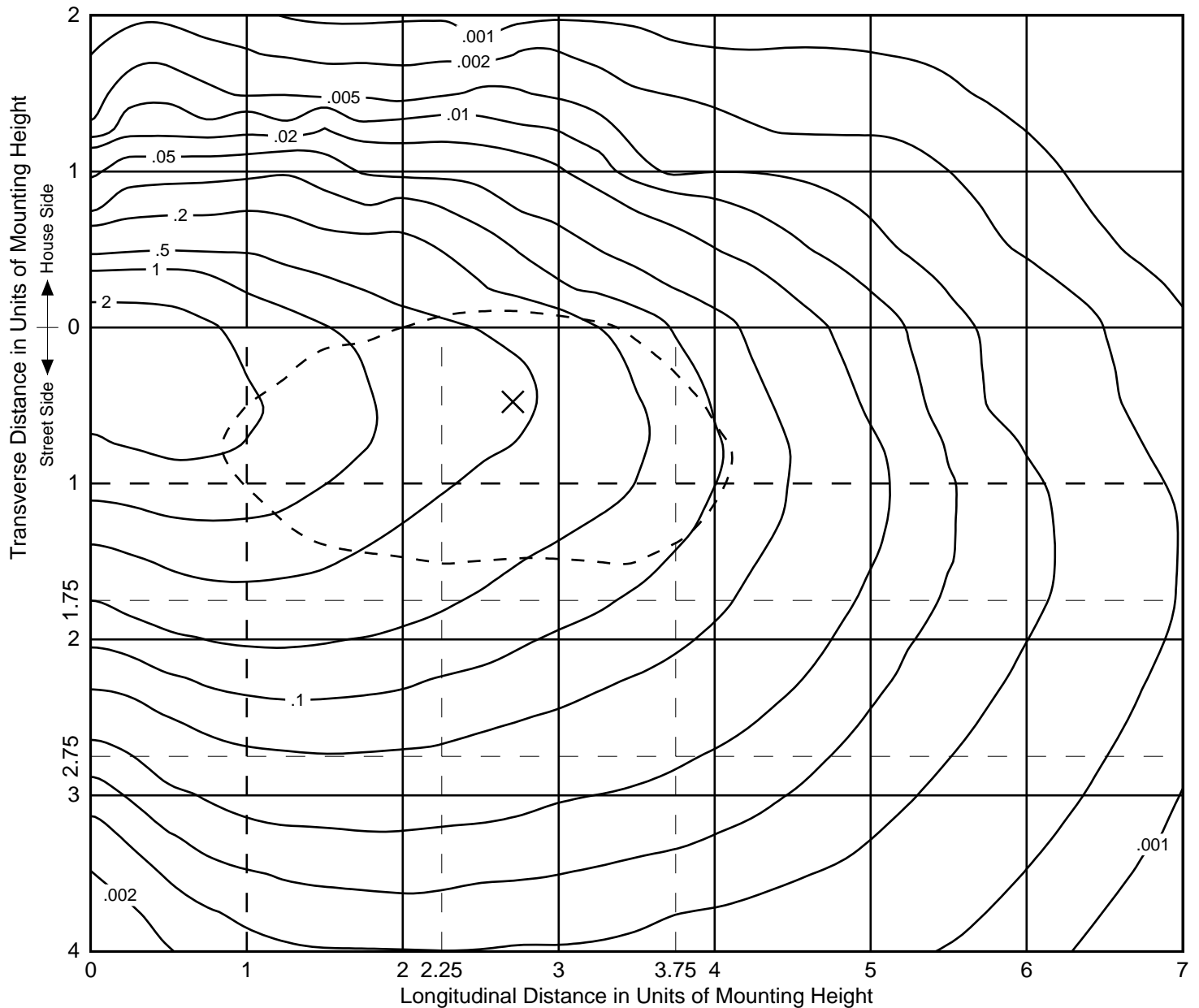
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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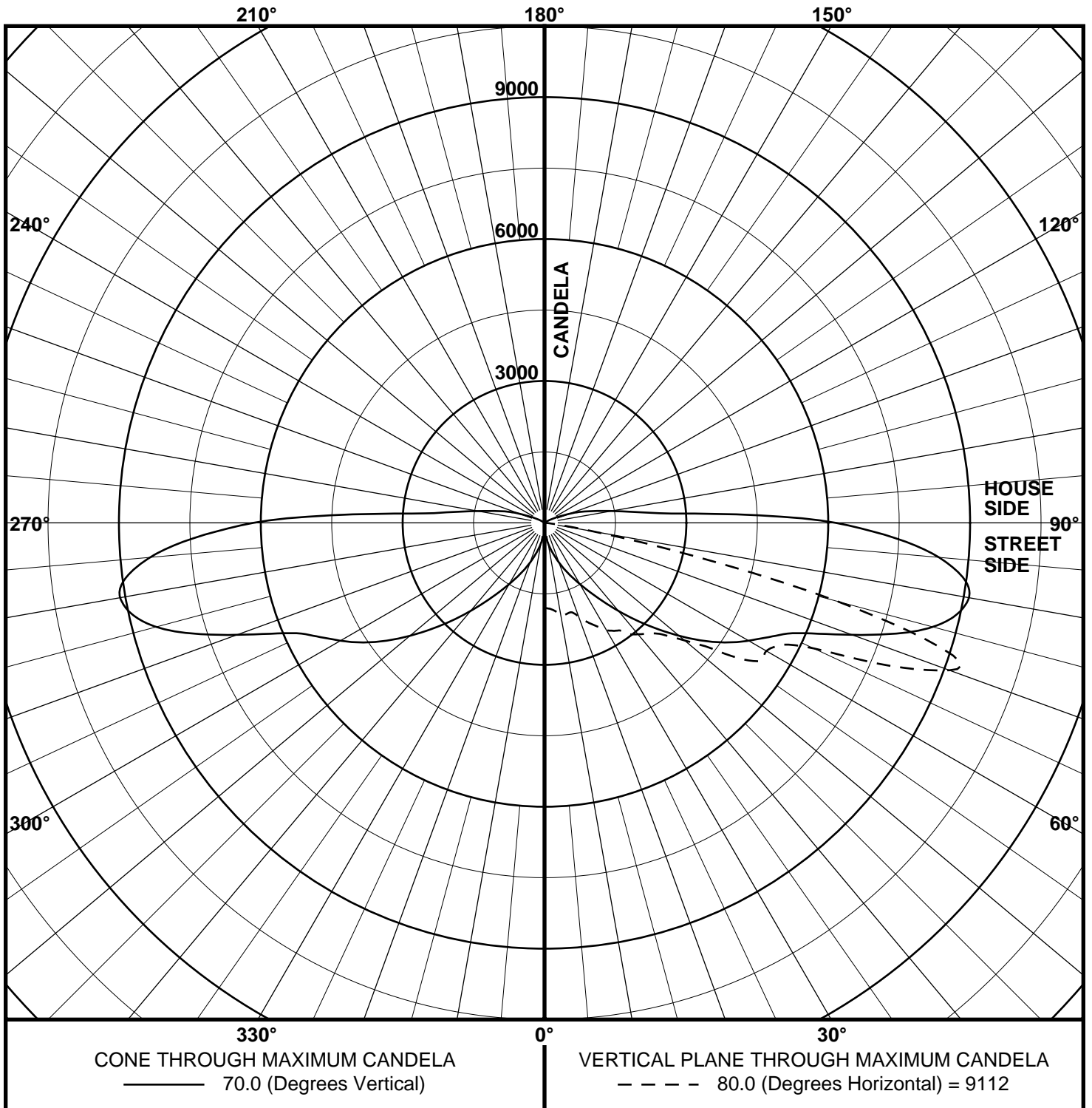
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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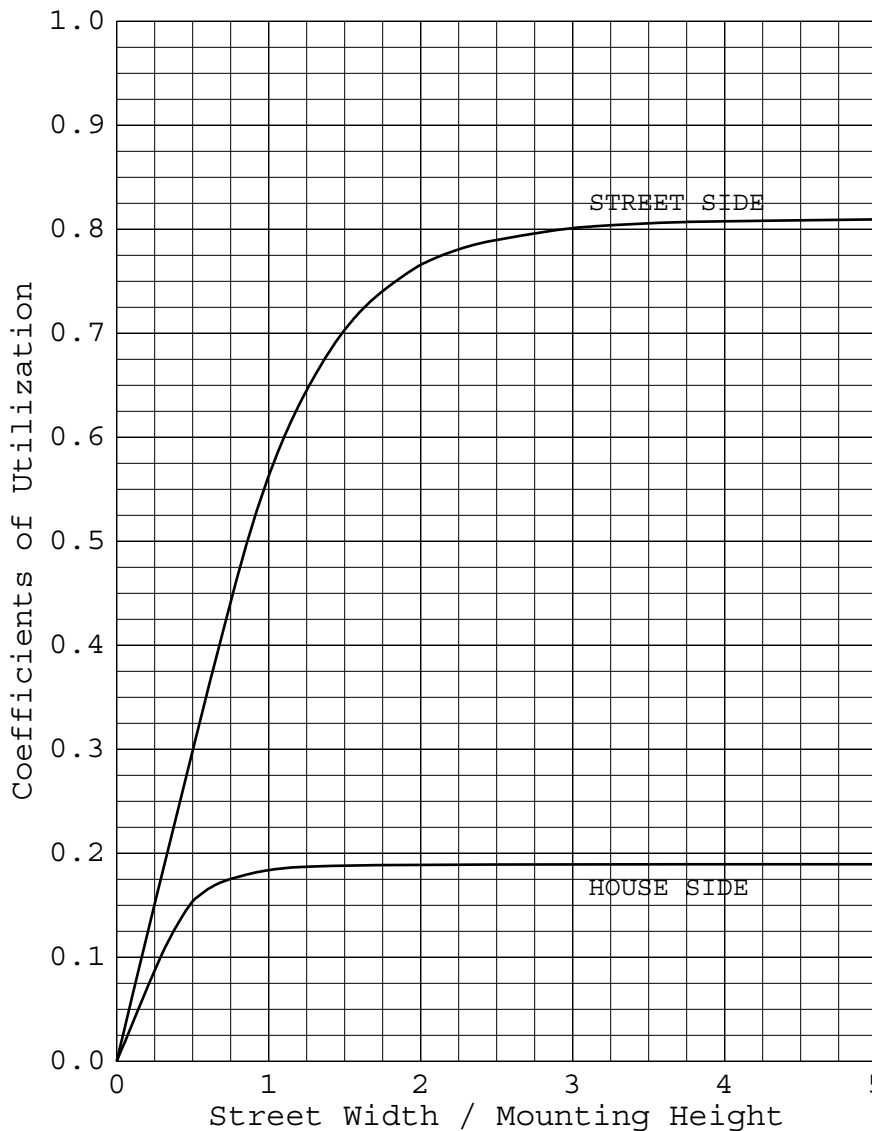
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	8023	81.0
DOWNWARD HOUSE SIDE	1882	19.0
DOWNWARD TOTAL	9906	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	9906	100.0

EFFICACY = 130.0 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		8023	81.0			
FL	(0° – 30°)	902.2	9.1			
FM	(30° – 60°)	3935.3	39.7			
FH	(60° – 80°)	3131.3	31.6			G2
FVH	(80° – 90°)	54.6	0.6			G1
Backward		1882	19.0			
BL	(0° – 30°)	526.8	5.3	B2		
BM	(30° – 60°)	897.0	9.1	B1		
BH	(60° – 80°)	449.9	4.5	B1		G1
BVH	(80° – 90°)	8.7	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		9906	100.0			

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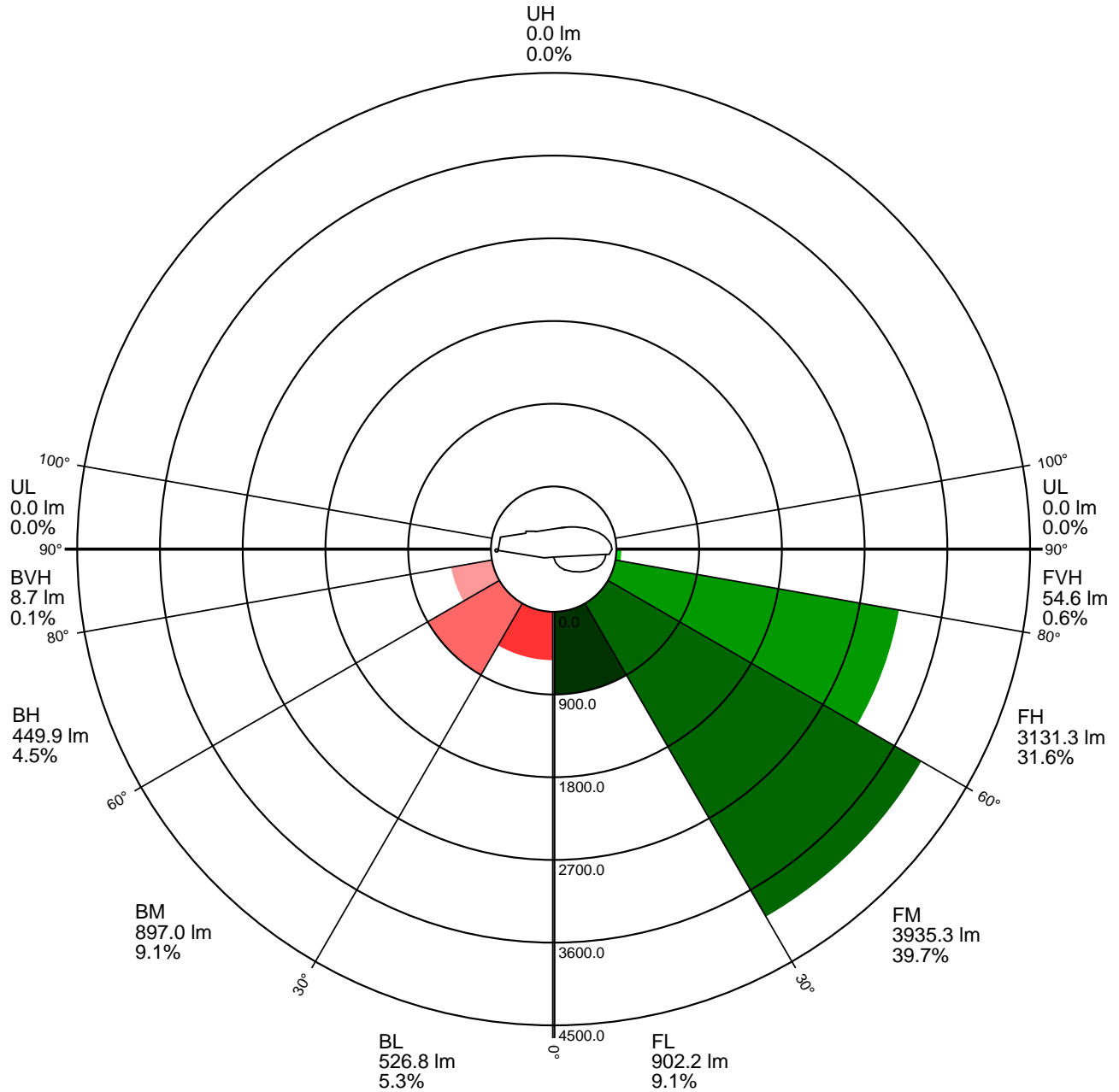
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Zonal Lumen Summary

(Linear scale)



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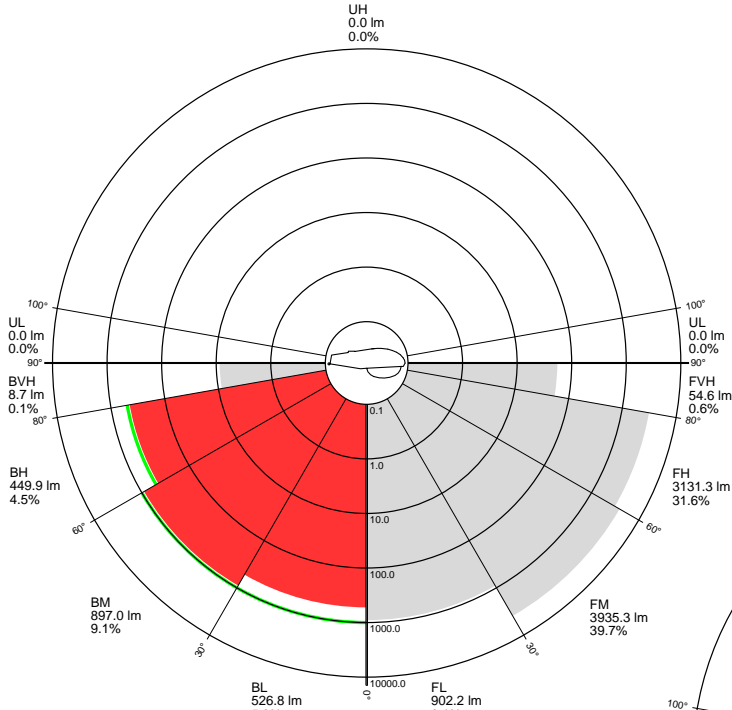
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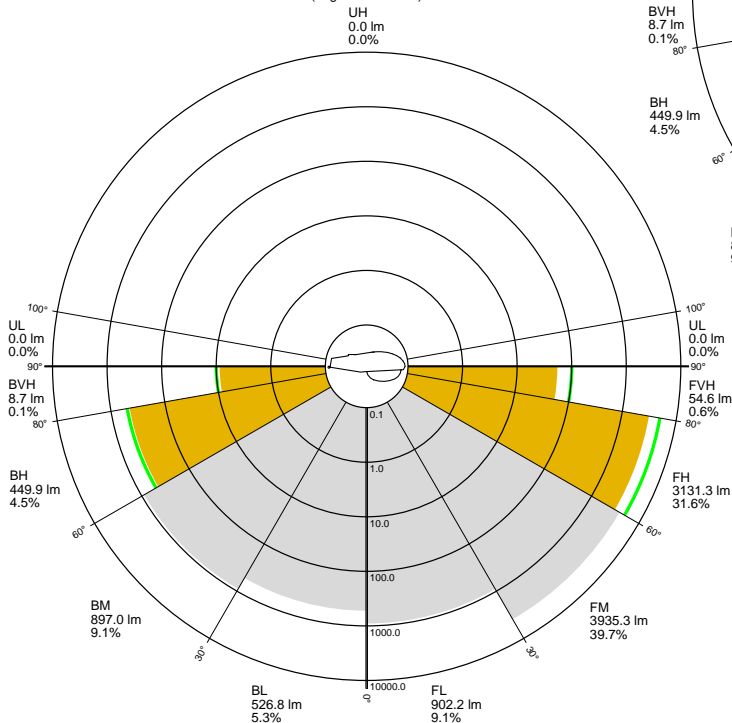
Backlight Rating Details

(Logarithmic scale)



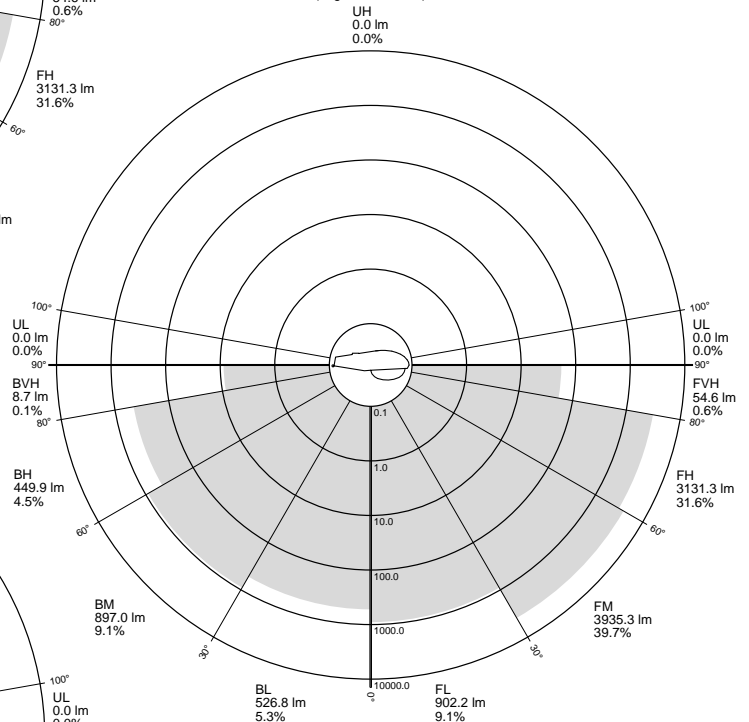
Glare Rating Details

(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.	11.	9.	7.
	85.0	2.	2.	4.	5.	7.	14.	50.	30.	34.	36.	34.
V	82.5	6.	4.	8.	12.	48.	110.	217.	270.	312.	280.	182.
E	80.0	12.	9.	40.	104.	179.	349.	773.	1027.	1272.	1074.	650.
R	77.5	22.	22.	135.	248.	455.	908.	1706.	2797.	3411.	3249.	2137.
T	75.0	37.	70.	264.	503.	926.	1538.	2562.	4373.	6600.	6411.	4786.
I	72.5	91.	169.	451.	834.	1388.	2268.	3554.	4923.	8342.	8810.	7287.
C	70.0<<	211.	300.	650.	1173.	1905.	3044.	4394.	5571.	8501.	9112.	8374.
A	67.5	409.	432.	902.	1557.	2472.	3783.	4779.	6260.	7120.	7898.	7544.
L	65.0	640.	632.	1212.	1987.	3055.	4292.	5157.	6552.	6599.	6281.	6132.
	62.5	853.	885.	1529.	2421.	3440.	4501.	5296.	6552.	6045.	5607.	5075.
A	60.0	1045.	1147.	1803.	2667.	3663.	4597.	5467.	6315.	5846.	5416.	4810.
N	57.5	1211.	1366.	1944.	2846.	3683.	4547.	5553.	5825.	5619.	5419.	4628.
G	55.0	1427.	1540.	2043.	2854.	3694.	4604.	5476.	5559.	5309.	4979.	4347.
L	52.5	1645.	1716.	2090.	2964.	3792.	4705.	5226.	5248.	4697.	4288.	3860.
E	50.0	1883.	1905.	2238.	3089.	3937.	4641.	5031.	4837.	4219.	3871.	3390.
	47.5	2063.	2108.	2427.	3205.	3942.	4360.	4681.	4401.	3797.	3539.	3239.
	45.0	2205.	2266.	2569.	3221.	3822.	4057.	4085.	4004.	3591.	3306.	3130.
	42.5	2308.	2376.	2636.	3127.	3530.	3801.	3637.	3594.	3317.	3184.	3060.
	40.0	2350.	2396.	2630.	2902.	3295.	3495.	3481.	3321.	3125.	3075.	2946.
	37.5	2314.	2331.	2590.	2721.	3011.	3295.	3267.	3201.	3037.	2971.	2820.
	35.0	2243.	2240.	2398.	2477.	2783.	3001.	3104.	3155.	2884.	2778.	2657.
	32.5	2160.	2166.	2310.	2354.	2551.	2741.	2953.	3016.	2817.	2706.	2615.
	30.0	2098.	2133.	2282.	2306.	2478.	2578.	2764.	2771.	2645.	2618.	2553.
	25.0	1997.	2022.	2099.	2203.	2185.	2279.	2362.	2368.	2365.	2364.	2294.
	20.0	1911.	1913.	1969.	2114.	2136.	2151.	2093.	2132.	2150.	2107.	2066.
	15.0	1930.	1918.	1945.	2013.	2083.	2092.	2078.	2083.	2013.	1972.	1940.
	10.0	1882.	1882.	1898.	1907.	1953.	1992.	2014.	2010.	1993.	1972.	1958.
	5.0	1844.	1847.	1853.	1853.	1858.	1850.	1850.	1847.	1860.	1840.	1827.
	0.0	1798.	1798.	1798.	1798.	1798.	1798.	1798.	1798.	1798.	1798.	1798.

||
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.	3.	2.	2.
	85.0	17.	11.	8.	6.	6.	6.	5.	3.	3.	2.
V	82.5	143.	61.	43.	14.	9.	7.	6.	7.	7.	6.
E	80.0	565.	306.	139.	51.	21.	7.	8.	9.	8.	7.
R	77.5	1662.	806.	135.	44.	20.	8.	8.	9.	8.	8.
T	75.0	3464.	1350.	164.	66.	19.	13.	7.	8.	8.	7.
I	72.5	5256.	1830.	657.	165.	21.	15.	8.	8.	8.	7.
C	70.0<<	6154.	2344.	956.	260.	33.	15.	8.	9.	9.	7.
A	67.5	5820.	2925.	1471.	338.	44.	17.	9.	9.	10.	7.
L	65.0	4934.	2894.	1898.	407.	109.	24.	14.	11.	11.	9.
	62.5	4333.	2918.	1602.	475.	264.	48.	20.	14.	13.	11.
A	60.0	4129.	3050.	1508.	604.	447.	69.	27.	25.	27.	16.
N	57.5	3880.	3027.	1371.	662.	555.	148.	36.	30.	37.	18.
G	55.0	3658.	3038.	1283.	719.	555.	243.	50.	35.	48.	18.
L	52.5	3352.	2991.	1428.	846.	533.	306.	128.	43.	54.	18.
E	50.0	3019.	2820.	1513.	1011.	571.	317.	202.	89.	38.	21.
	47.5	2955.	2731.	1553.	1053.	583.	309.	246.	154.	84.	51.
	45.0	2932.	2656.	1617.	1048.	599.	351.	252.	201.	167.	92.
	42.5	2868.	2576.	1718.	1070.	621.	398.	244.	208.	184.	120.
	40.0	2766.	2474.	1884.	1125.	675.	437.	282.	201.	176.	126.
	37.5	2668.	2422.	2017.	1188.	755.	483.	341.	236.	157.	126.
	35.0	2513.	2401.	2022.	1278.	814.	557.	383.	300.	190.	147.
	32.5	2485.	2411.	2047.	1364.	900.	624.	437.	345.	240.	190.
	30.0	2422.	2355.	2000.	1449.	1010.	685.	492.	376.	271.	245.
	25.0	2235.	2175.	1905.	1641.	1178.	880.	637.	475.	385.	357.
	20.0	2040.	2016.	1824.	1615.	1384.	1108.	903.	724.	622.	592.
	15.0	1922.	1917.	1820.	1698.	1581.	1449.	1272.	1095.	1008.	1000.
	10.0	1934.	1929.	1864.	1792.	1695.	1605.	1509.	1425.	1385.	1344.
	5.0	1809.	1801.	1779.	1765.	1743.	1703.	1676.	1669.	1647.	1637.
	0.0	1798.	1798.	1798.	1798.	1798.	1798.	1798.	1798.	1798.	1798.

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	43
5- 10	127
10- 15	209
15- 20	276
20- 25	345
25- 30	429
30- 35	525
35- 40	630
40- 45	747
45- 50	872
50- 55	982
55- 60	1077
60- 65	1121
65- 70	1125
70- 75	926
75- 80	410
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	170
0- 20	655
0- 30	1429
0- 40	2584
0- 50	4203
0- 60	6261
0- 70	8507
0- 80	9842
0- 90	9906
0-100	9906
0-110	9906
0-120	9906
0-130	9906
0-140	9906
0-150	9906
0-160	9906
0-170	9906
0-180	9906