

**REPORT NUMBER:** PRORATED FROM RAB04286

**PAGE:** 1 OF 10

**ISSUE DATE:** 05/8/18

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** ALED2T50Y - RWLED2T50Y - RWLED2T50SFY - WPLED2T50Y (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.

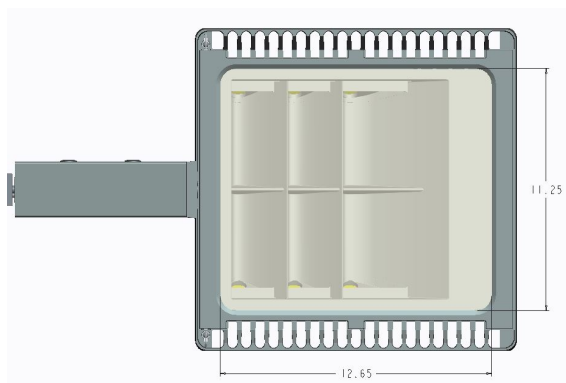
**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04286 WHICH WAS ALED2T150Y. ACTUAL PERFORMANCE MAY VARY.

**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

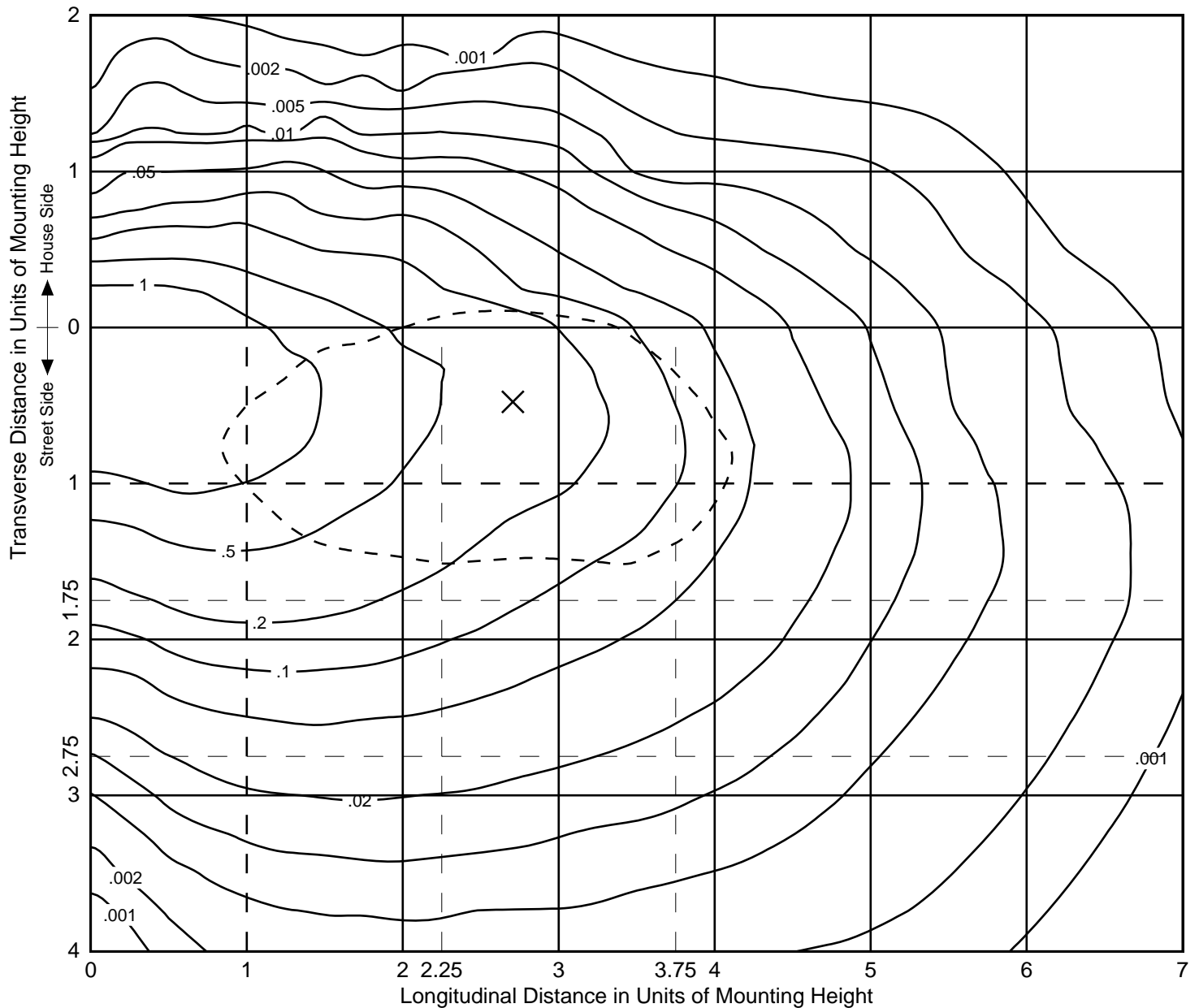
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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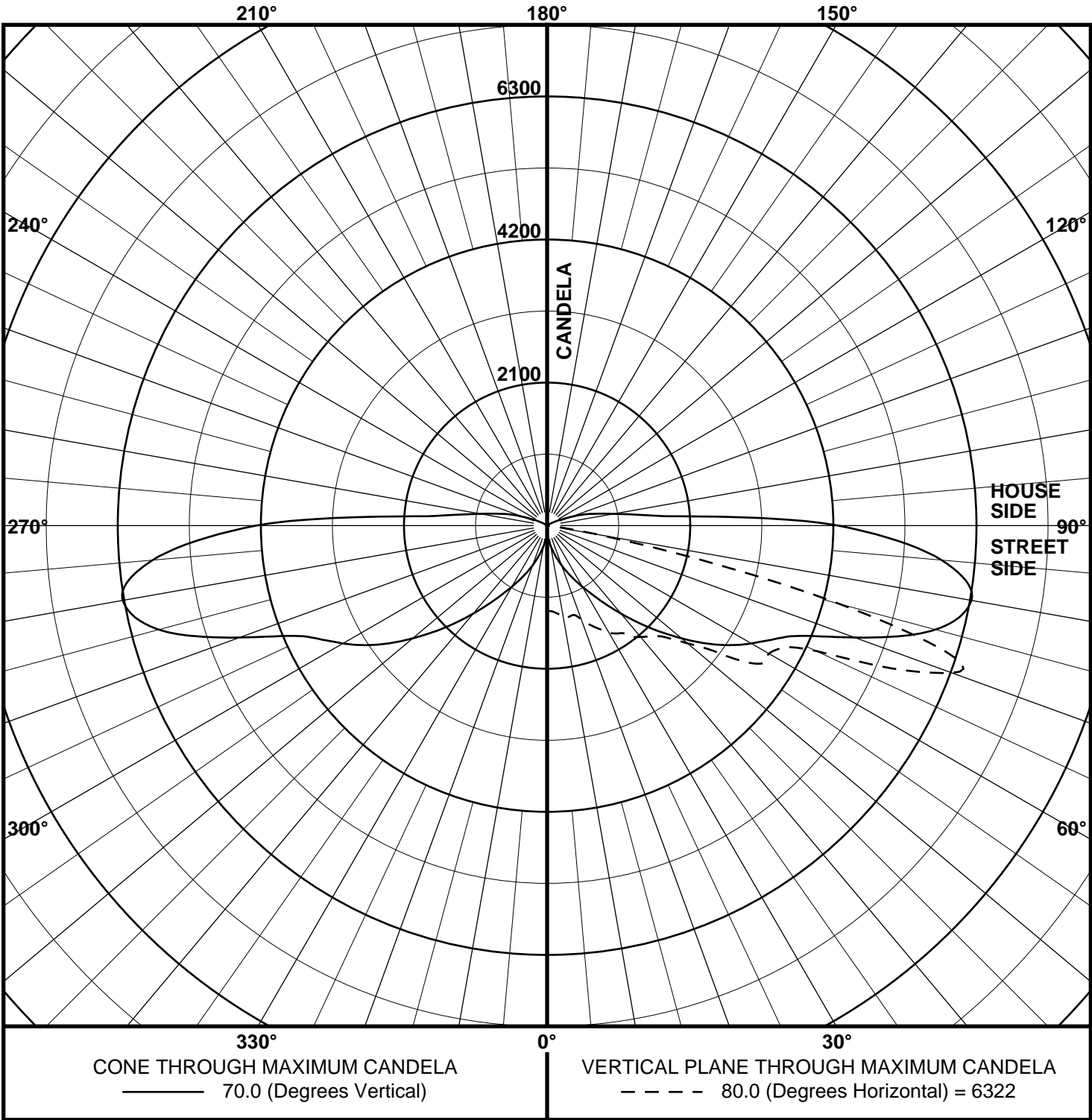
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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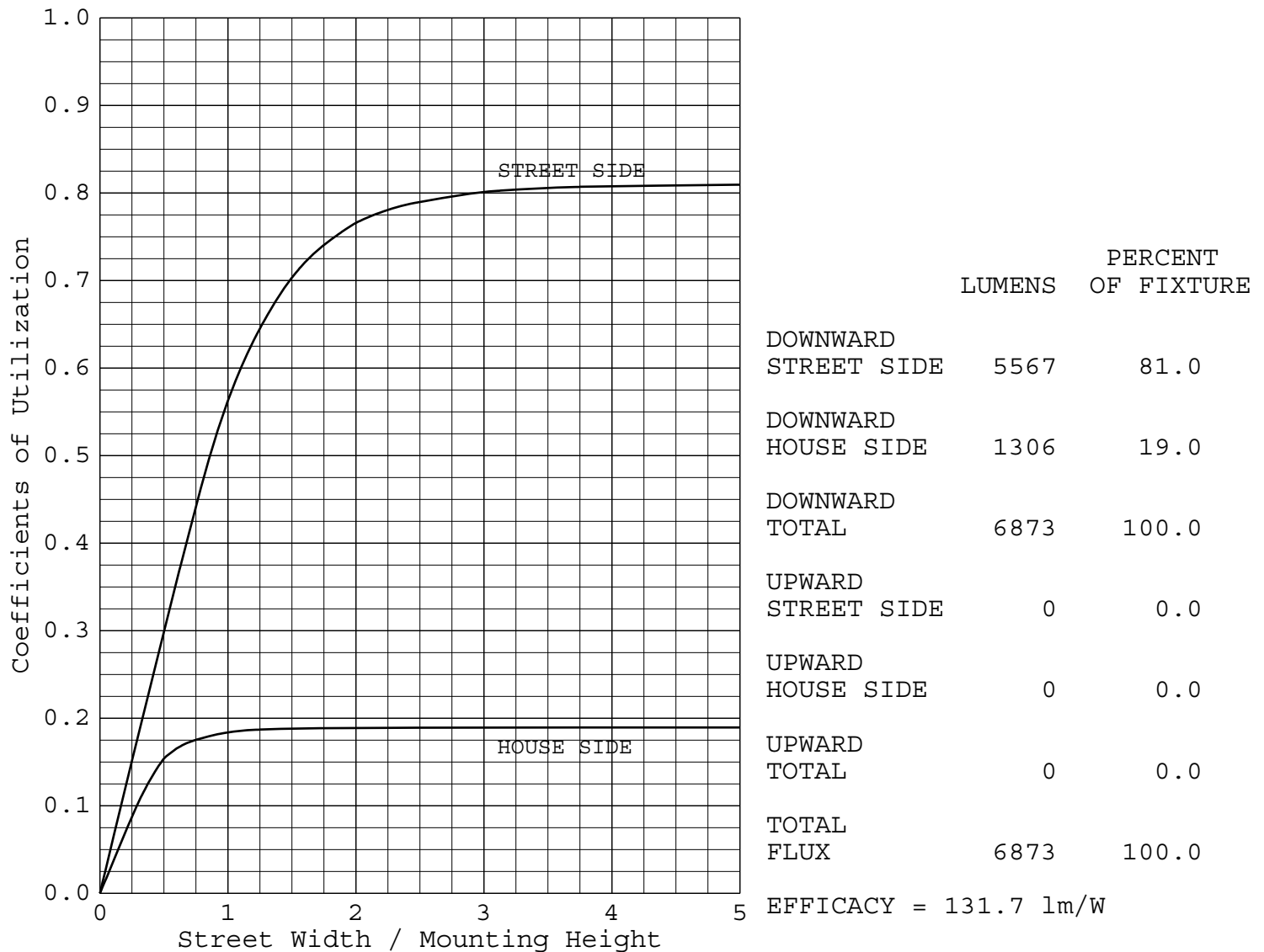
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



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°)	5567			
FM	(30° – 60°)	626.0			
FH	(60° – 80°)	2730.4			
FVH	(80° – 90°)	2172.6			G2
		37.9			G1
Backward					
BL	(0° – 30°)	1306			
BM	(30° – 60°)	365.5	B1		
BH	(60° – 80°)	622.4	B1		
BVH	(80° – 90°)	312.1	B1		G1
		6.0			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		6873			
		100.0			

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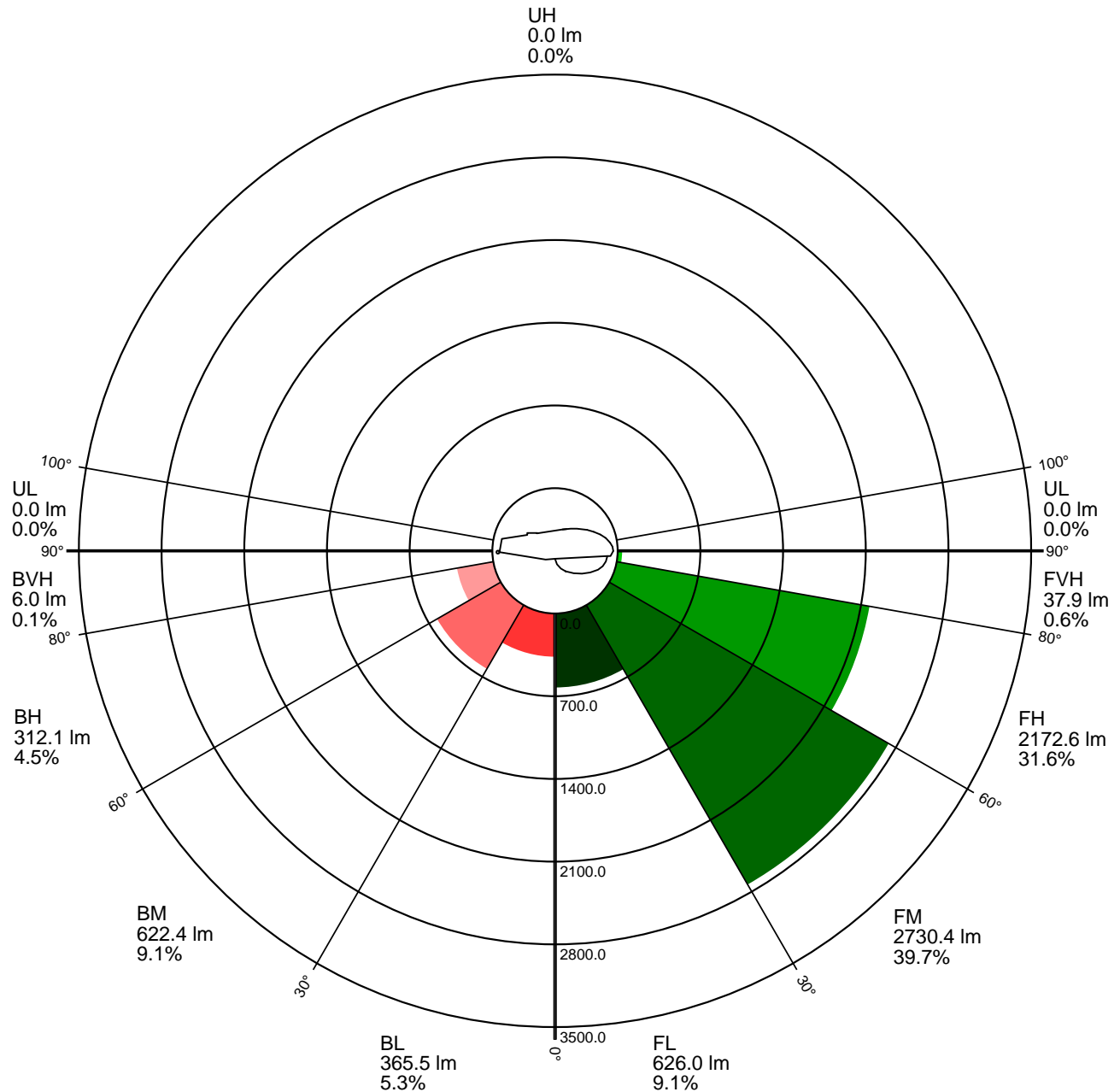
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## Zonal Lumen Summary

(Linear scale)



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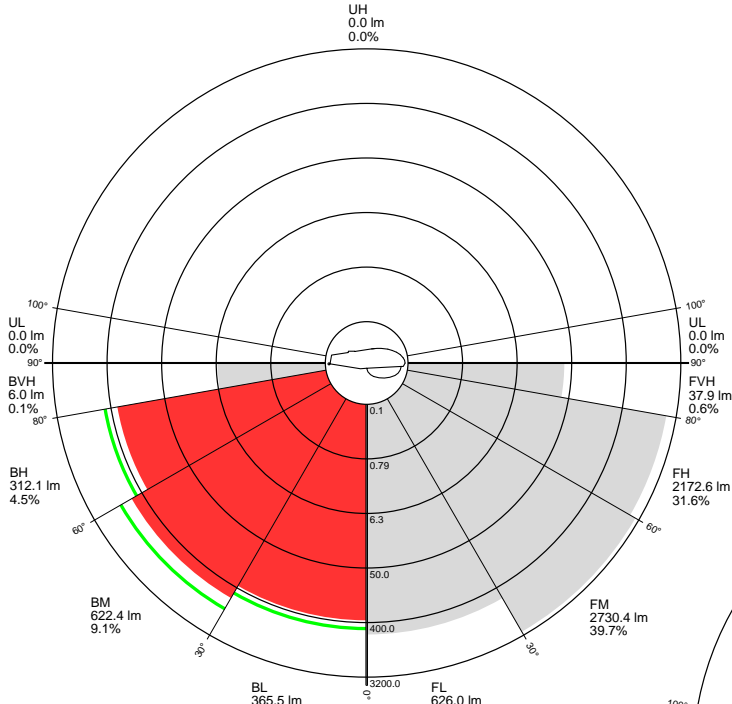
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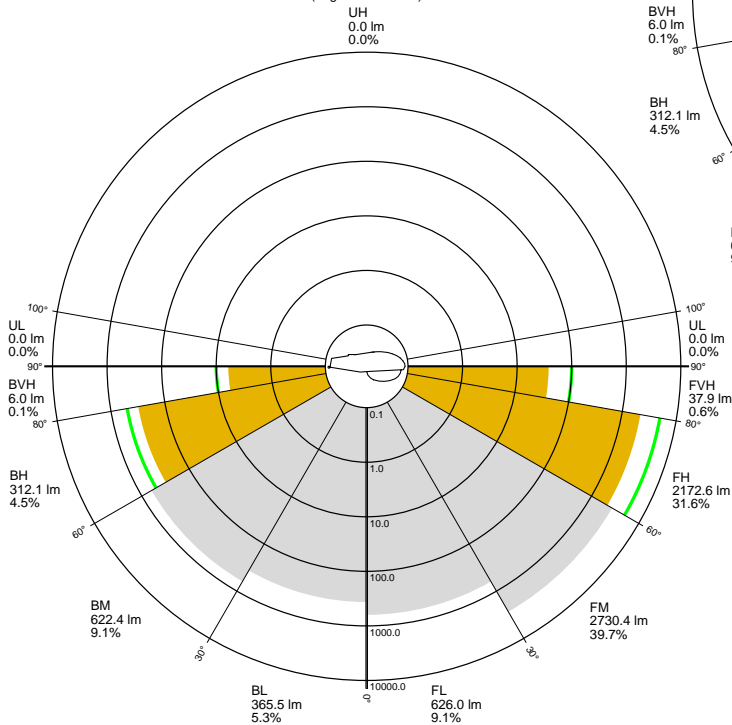
### Backlight Rating Details

(Logarithmic scale)



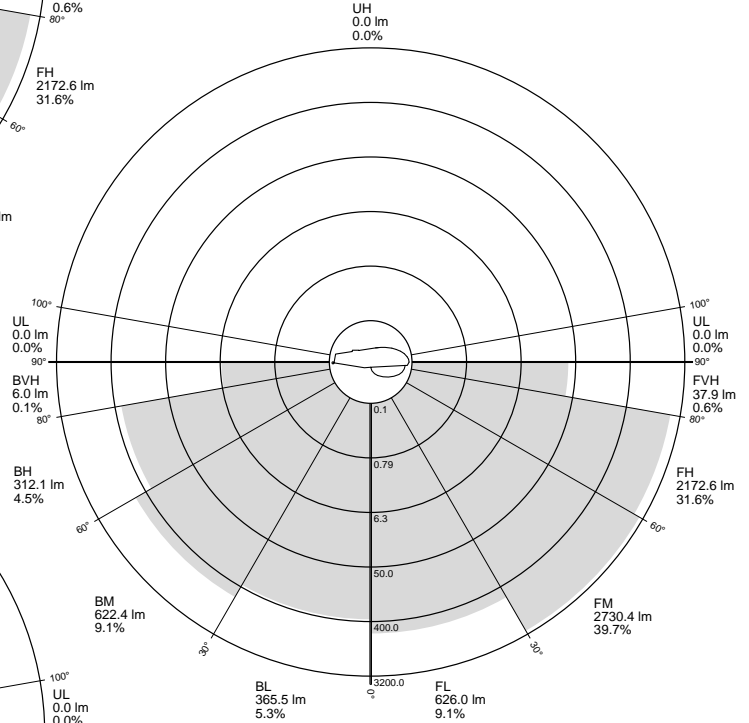
### Glare Rating Details

(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	0.	0.	1.	2.	4.	4.	5.	12.	8.	6.	5.
	85.0	1.	1.	3.	3.	5.	10.	34.	21.	23.	25.	23.
V	82.5	4.	3.	5.	8.	33.	76.	151.	187.	217.	194.	126.
E	80.0	8.	6.	28.	72.	124.	242.	536.	713.	882.	745.	451.
R	77.5	15.	15.	94.	172.	315.	630.	1184.	1941.	2367.	2254.	1483.
T	75.0	26.	48.	183.	349.	642.	1067.	1778.	3034.	4579.	4448.	3321.
I	72.5	63.	117.	313.	578.	963.	1574.	2466.	3416.	5788.	6112.	5056.
C	70.0<<	147.	208.	451.	814.	1322.	2112.	3049.	3865.	5898.	6322.	5810.
A	67.5	283.	300.	626.	1081.	1715.	2625.	3316.	4343.	4940.	5480.	5234.
L	65.0	444.	438.	841.	1379.	2120.	2978.	3578.	4546.	4579.	4358.	4255.
	62.5	592.	614.	1061.	1680.	2387.	3123.	3675.	4546.	4194.	3890.	3521.
A	60.0	725.	796.	1251.	1851.	2541.	3190.	3793.	4382.	4056.	3758.	3337.
N	57.5	840.	948.	1349.	1975.	2556.	3155.	3853.	4042.	3899.	3760.	3211.
G	55.0	990.	1068.	1418.	1980.	2563.	3195.	3799.	3857.	3684.	3454.	3016.
L	52.5	1141.	1191.	1450.	2057.	2631.	3264.	3626.	3642.	3259.	2975.	2678.
E	50.0	1306.	1322.	1553.	2143.	2731.	3220.	3490.	3356.	2928.	2686.	2352.
	47.5	1432.	1463.	1684.	2224.	2735.	3025.	3248.	3054.	2634.	2455.	2247.
	45.0	1530.	1572.	1783.	2235.	2652.	2815.	2834.	2778.	2492.	2294.	2172.
	42.5	1601.	1649.	1829.	2169.	2449.	2637.	2524.	2494.	2301.	2209.	2123.
	40.0	1631.	1662.	1825.	2014.	2286.	2425.	2415.	2304.	2168.	2134.	2044.
	37.5	1606.	1617.	1797.	1888.	2089.	2286.	2267.	2221.	2107.	2062.	1956.
	35.0	1556.	1554.	1664.	1719.	1931.	2082.	2153.	2189.	2001.	1927.	1843.
	32.5	1499.	1503.	1603.	1633.	1770.	1902.	2049.	2093.	1955.	1877.	1815.
	30.0	1456.	1480.	1584.	1600.	1719.	1789.	1918.	1923.	1835.	1816.	1772.
	25.0	1386.	1403.	1456.	1529.	1516.	1581.	1639.	1643.	1641.	1640.	1592.
	20.0	1326.	1327.	1366.	1467.	1482.	1492.	1452.	1479.	1491.	1462.	1433.
	15.0	1339.	1331.	1349.	1396.	1445.	1451.	1442.	1445.	1396.	1368.	1346.
	10.0	1306.	1306.	1317.	1323.	1355.	1382.	1397.	1395.	1383.	1368.	1358.
	5.0	1280.	1282.	1285.	1285.	1289.	1284.	1283.	1282.	1291.	1277.	1268.
	0.0	1248.	1248.	1248.	1248.	1248.	1248.	1248.	1248.	1248.	1248.	1248.

||  
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.	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	4.	4.	4.	3.	3.	3.	3.	2.	1.	1.	1.
	85.0	11.	8.	5.	4.	4.	4.	3.	2.	2.	1.	1.
V	82.5	99.	42.	30.	10.	6.	5.	4.	5.	5.	4.	4.
E	80.0	392.	212.	96.	35.	14.	5.	5.	6.	6.	5.	4.
R	77.5	1153.	559.	94.	30.	14.	5.	5.	6.	6.	5.	5.
T	75.0	2403.	937.	114.	46.	13.	9.	5.	6.	5.	5.	5.
I	72.5	3647.	1270.	456.	114.	15.	10.	5.	5.	5.	5.	5.
C	70.0<<	4270.	1627.	663.	180.	23.	10.	6.	6.	6.	5.	5.
A	67.5	4038.	2029.	1020.	234.	30.	12.	6.	6.	7.	5.	5.
L	65.0	3423.	2008.	1317.	283.	75.	17.	10.	8.	8.	6.	5.
	62.5	3006.	2025.	1112.	329.	183.	33.	14.	10.	9.	8.	6.
A	60.0	2865.	2116.	1046.	419.	310.	48.	19.	18.	19.	11.	7.
N	57.5	2692.	2100.	951.	459.	385.	103.	25.	21.	25.	13.	7.
G	55.0	2538.	2108.	890.	499.	385.	168.	35.	24.	33.	13.	8.
L	52.5	2326.	2075.	991.	587.	370.	212.	89.	30.	38.	12.	10.
E	50.0	2095.	1956.	1050.	701.	396.	220.	140.	62.	27.	15.	11.
	47.5	2050.	1895.	1077.	730.	404.	214.	170.	107.	58.	35.	28.
	45.0	2035.	1843.	1122.	727.	415.	244.	175.	140.	116.	64.	51.
	42.5	1990.	1787.	1192.	742.	431.	276.	169.	145.	128.	83.	68.
	40.0	1919.	1717.	1307.	780.	468.	304.	196.	139.	122.	87.	74.
	37.5	1851.	1680.	1400.	824.	524.	335.	237.	164.	109.	88.	77.
	35.0	1744.	1666.	1403.	887.	565.	387.	266.	208.	132.	102.	92.
	32.5	1724.	1673.	1420.	946.	624.	433.	303.	239.	166.	132.	120.
	30.0	1680.	1634.	1388.	1006.	701.	475.	342.	261.	188.	170.	160.
	25.0	1551.	1509.	1322.	1138.	818.	610.	442.	329.	267.	248.	240.
	20.0	1416.	1399.	1265.	1120.	960.	768.	627.	502.	432.	410.	395.
	15.0	1334.	1330.	1263.	1178.	1097.	1005.	883.	760.	700.	694.	673.
	10.0	1342.	1339.	1293.	1243.	1176.	1113.	1047.	989.	961.	933.	924.
	5.0	1255.	1250.	1235.	1224.	1209.	1181.	1163.	1158.	1143.	1136.	1125.
	0.0	1248.	1248.	1248.	1248.	1248.	1248.	1248.	1248.	1248.	1248.	1248.

CONE OF MAXIMUM CANDELA

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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	30
5- 10	88
10- 15	145
15- 20	191
20- 25	239
25- 30	298
30- 35	364
35- 40	437
40- 45	518
45- 50	605
50- 55	681
55- 60	747
60- 65	777
65- 70	780
70- 75	642
75- 80	285
80- 85	42
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	118
0- 20	454
0- 30	991
0- 40	1793
0- 50	2916
0- 60	4344
0- 70	5902
0- 80	6829
0- 90	6873
0-100	6873
0-110	6873
0-120	6873
0-130	6873
0-140	6873
0-150	6873
0-160	6873
0-170	6873
0-180	6873