

**REPORT NUMBER:** PRORATED FROM RAB04363

**PAGE:** 1 OF 10

**ISSUE DATE:** 05/09/18

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** ALED2T50N/480 - RWLED2T50N/480 - RWLED2T50SFN/480 -  
WPLED2T50N/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.

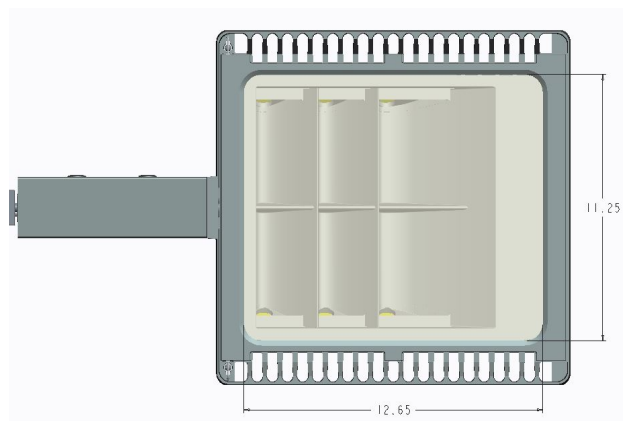
**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04363 WHICH WAS  
ALED2T125Y/480. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 53.7 W AT 480.0 VAC.

**LED DRIVER:** LED DRIVER: RDD-H65-36A-A1400-480

**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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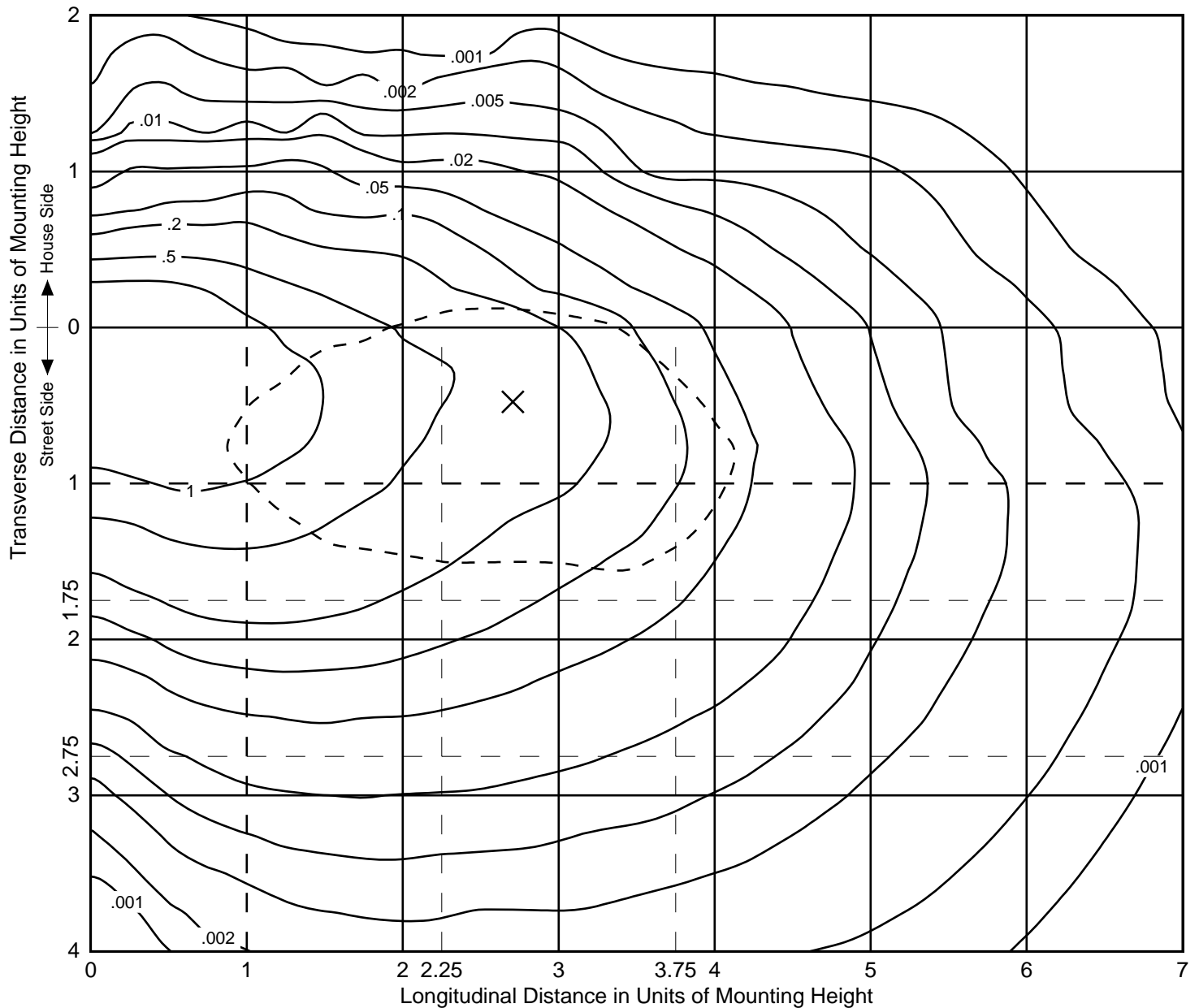
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION**  
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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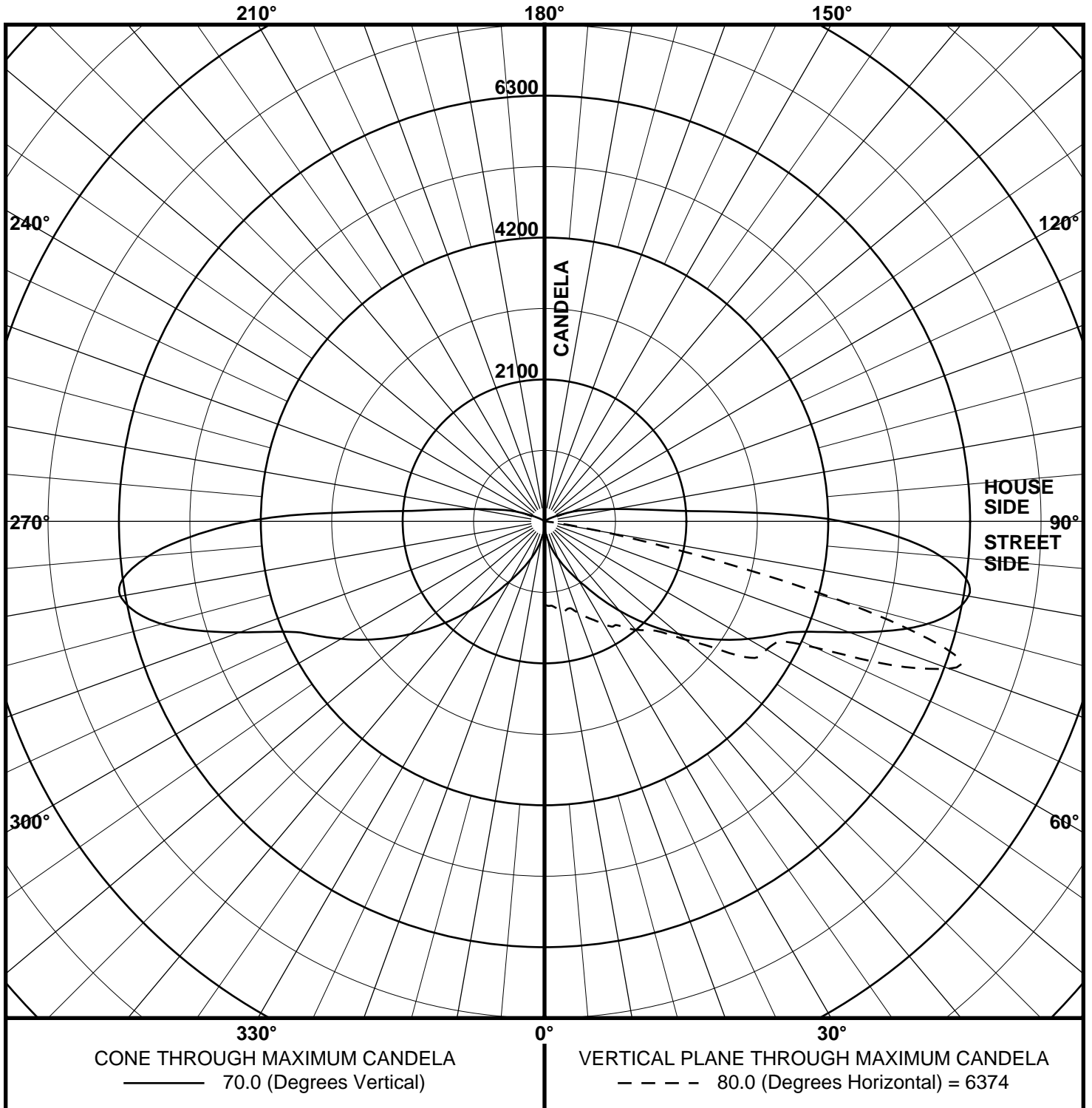
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**MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA**



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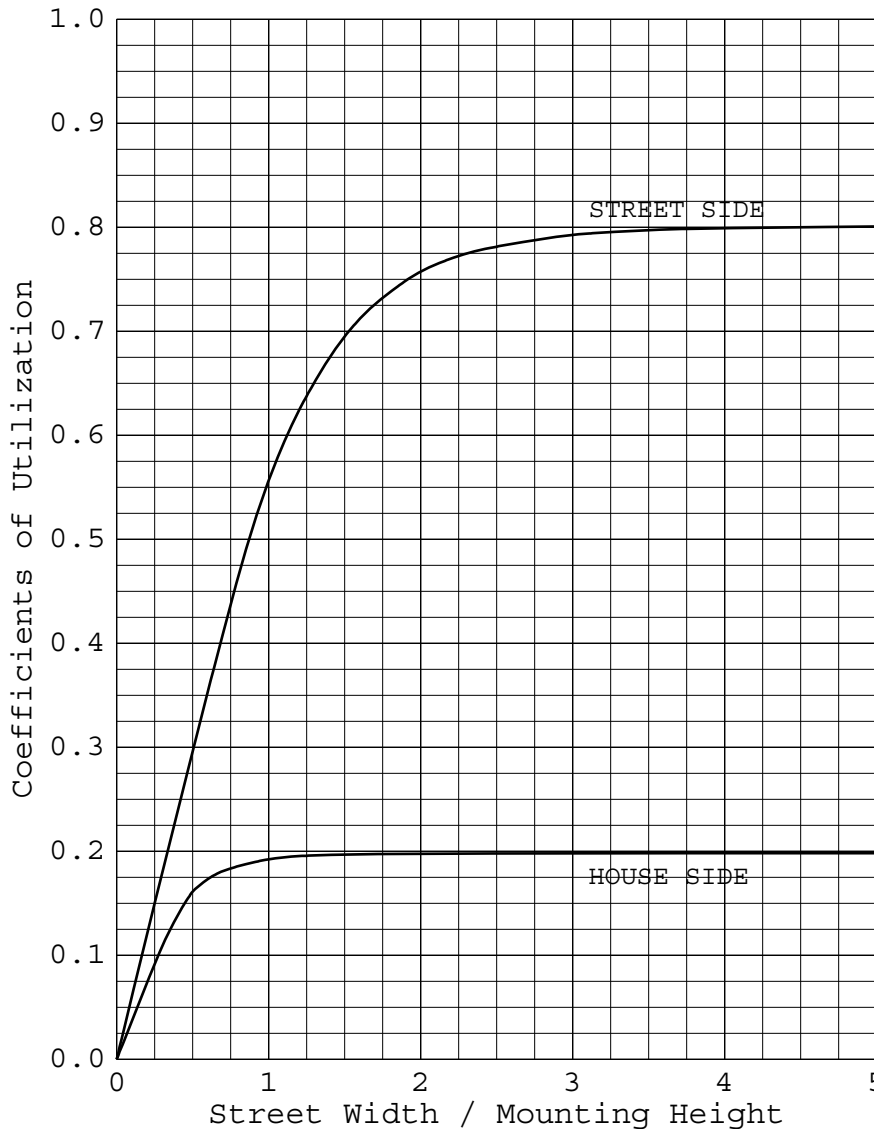
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	5512	80.1
DOWNWARD HOUSE SIDE	1367	19.9
DOWNWARD TOTAL	6879	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	6879	100.0

EFFICACY = 128.1 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		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		5512	80.1			
FL	(0° – 30°)	611.2	8.9			
FM	(30° – 60°)	2681.4	39.0			
FH	(60° – 80°)	2180.4	31.7			G2
FVH	(80° – 90°)	39.1	0.6			G1
Backward		1367	19.9			
BL	(0° – 30°)	381.5	5.5	B1		
BM	(30° – 60°)	650.1	9.5	B1		
BH	(60° – 80°)	329.2	4.8	B1		G1
BVH	(80° – 90°)	6.0	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		6879	100.0			

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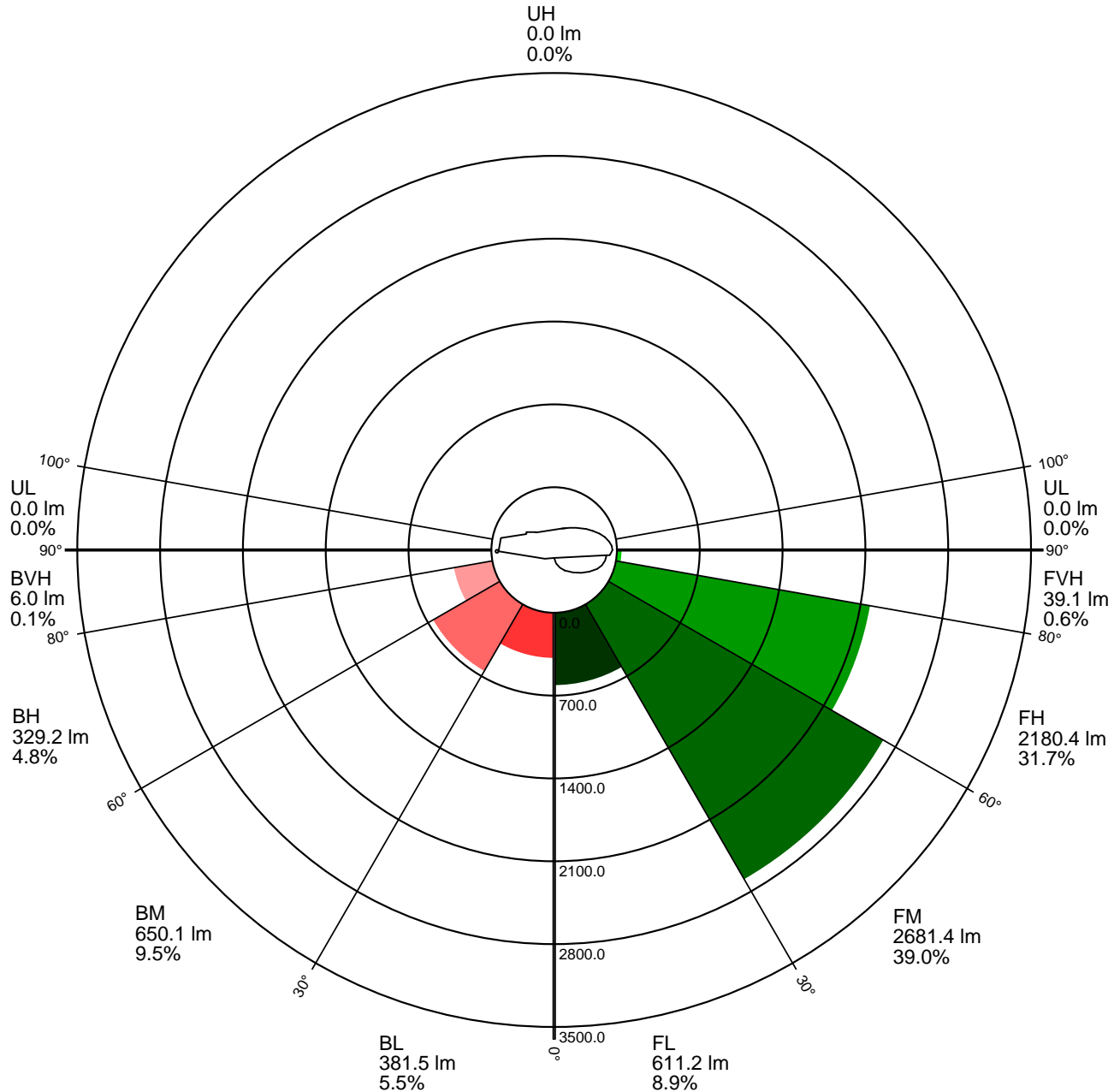
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## Zonal Lumen Summary

(Linear scale)



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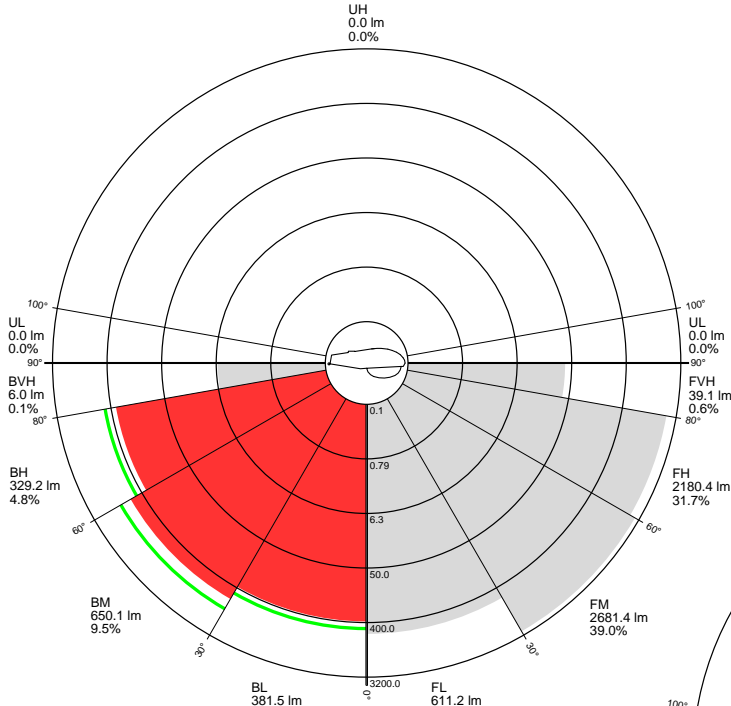
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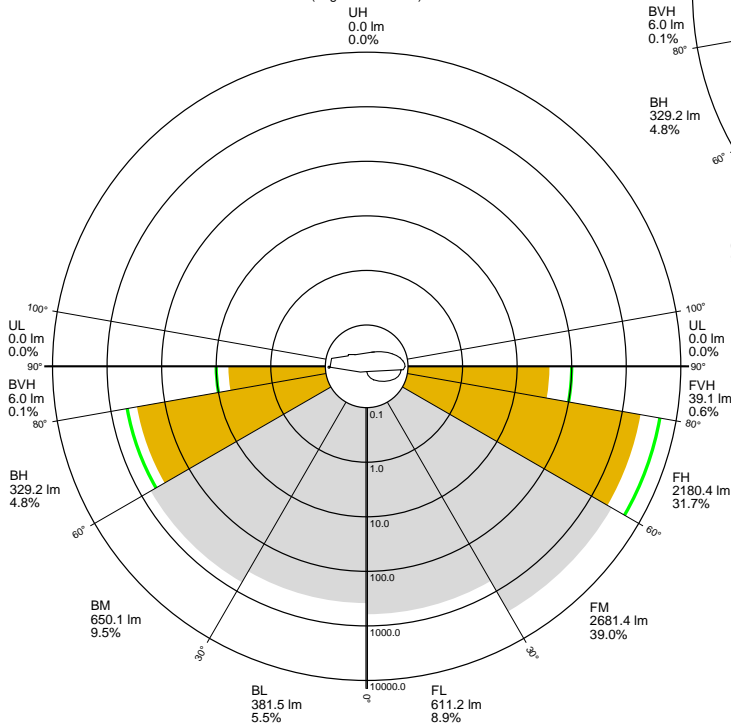
### Backlight Rating Details

(Logarithmic scale)



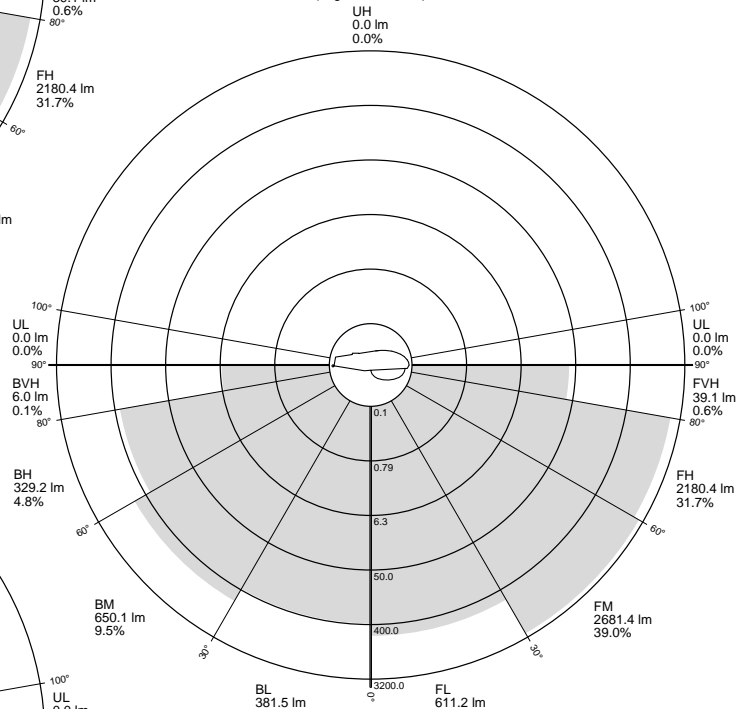
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



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STREET	LATERAL ANGLE										
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	80.0	85.0
L80.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
L75.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
L65.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
L55.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
L45.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
L35.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
L25.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
L15.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
L05.0	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.	3.	5.	6.	13.	7.	9.	5.
85.0	2.	1.	3.	3.	5.	10.	35.	20.	25.	30.	22.
82.5	4.	3.	5.	8.	30.	87.	151.	187.	239.	205.	129.
80.0	9.	6.	13.	69.	134.	256.	531.	764.	876.	813.	449.
77.5	14.	13.	59.	182.	312.	656.	1205.	2043.	2397.	2334.	1445.
75.0	21.	34.	151.	346.	616.	1108.	1853.	3171.	4616.	4536.	3269.
72.5	49.	89.	282.	557.	942.	1603.	2566.	3489.	5862.	6199.	4999.
70.0<<	107.	173.	421.	778.	1331.	2153.	3040.	3917.	5867.	6374.	5881.
67.5	236.	265.	579.	1067.	1752.	2651.	3300.	4348.	4984.	5556.	5319.
65.0	384.	396.	811.	1384.	2153.	2966.	3528.	4472.	4511.	4418.	4423.
62.5	515.	557.	1041.	1666.	2367.	3097.	3683.	4461.	4248.	3874.	3551.
60.0	642.	727.	1206.	1798.	2486.	3107.	3746.	4418.	4187.	3795.	3402.
57.5	777.	870.	1306.	1897.	2491.	3082.	3776.	4085.	3986.	3740.	3232.
55.0	932.	997.	1332.	1904.	2468.	3147.	3734.	3904.	3650.	3440.	3051.
52.5	1094.	1139.	1410.	1972.	2592.	3203.	3580.	3640.	3199.	3008.	2637.
50.0	1243.	1268.	1516.	2098.	2672.	3170.	3483.	3382.	2874.	2722.	2341.
47.5	1379.	1406.	1655.	2165.	2655.	2968.	3251.	3035.	2658.	2465.	2239.
45.0	1470.	1514.	1748.	2182.	2569.	2744.	2801.	2754.	2508.	2284.	2141.
42.5	1537.	1586.	1784.	2104.	2376.	2566.	2513.	2461.	2325.	2185.	2090.
40.0	1563.	1591.	1761.	1952.	2214.	2409.	2364.	2251.	2170.	2094.	2004.
37.5	1539.	1549.	1720.	1826.	2042.	2236.	2207.	2139.	2092.	1988.	1882.
35.0	1470.	1474.	1607.	1680.	1860.	1988.	2071.	2117.	1984.	1875.	1777.
32.5	1423.	1431.	1546.	1568.	1695.	1818.	1948.	2031.	1933.	1846.	1777.
30.0	1395.	1416.	1510.	1531.	1643.	1720.	1832.	1877.	1801.	1760.	1731.
25.0	1347.	1351.	1403.	1474.	1456.	1520.	1612.	1628.	1606.	1585.	1568.
20.0	1284.	1288.	1326.	1431.	1448.	1462.	1438.	1457.	1446.	1438.	1398.
15.0	1324.	1316.	1330.	1379.	1430.	1434.	1421.	1405.	1375.	1338.	1326.
10.0	1285.	1288.	1298.	1306.	1324.	1351.	1378.	1379.	1366.	1354.	1342.
5.0	1259										

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	5.	4.	4.	3.	3.	3.	2.	2.	2.	1.
	85.0	13.	7.	5.	4.	4.	4.	4.	2.	2.	2.
V	82.5	98.	33.	31.	9.	6.	4.	4.	5.	5.	4.
E	80.0	404.	228.	96.	34.	15.	5.	5.	6.	5.	4.
R	77.5	1175.	608.	98.	31.	14.	5.	5.	5.	5.	5.
T	75.0	2379.	1029.	136.	43.	15.	8.	5.	5.	5.	4.
I	72.5	3710.	1432.	527.	120.	17.	9.	5.	5.	5.	4.
C	70.0<<	4400.	1831.	661.	181.	19.	10.	5.	6.	6.	5.
A	67.5	4237.	2220.	1032.	211.	31.	13.	7.	6.	6.	5.
L	65.0	3629.	2160.	1354.	265.	76.	16.	9.	7.	7.	6.
	62.5	3122.	2135.	1159.	345.	205.	40.	13.	11.	10.	8.
A	60.0	2917.	2238.	1139.	432.	331.	54.	19.	17.	20.	12.
N	57.5	2740.	2201.	1043.	456.	389.	122.	24.	20.	26.	13.
G	55.0	2600.	2172.	981.	480.	375.	177.	46.	24.	31.	12.
L	52.5	2362.	2144.	1081.	596.	382.	214.	103.	37.	42.	13.
E	50.0	2143.	2005.	1138.	725.	402.	210.	149.	74.	35.	16.
	47.5	2077.	1941.	1167.	776.	406.	213.	172.	113.	70.	41.
	45.0	2028.	1875.	1213.	789.	427.	246.	167.	141.	120.	69.
	42.5	1969.	1786.	1287.	819.	466.	275.	170.	139.	127.	87.
	40.0	1889.	1730.	1391.	867.	517.	309.	203.	136.	115.	92.
	37.5	1795.	1677.	1465.	907.	590.	357.	244.	176.	105.	93.
	35.0	1702.	1672.	1448.	964.	645.	424.	277.	219.	143.	110.
	32.5	1692.	1678.	1465.	1029.	705.	485.	330.	251.	179.	146.
	30.0	1643.	1630.	1422.	1093.	778.	540.	381.	281.	204.	186.
	25.0	1523.	1503.	1353.	1197.	893.	678.	502.	379.	303.	283.
	20.0	1392.	1381.	1287.	1152.	1026.	841.	699.	561.	482.	456.
	15.0	1309.	1308.	1276.	1204.	1137.	1066.	949.	812.	759.	746.
	10.0	1327.	1324.	1297.	1261.	1204.	1142.	1082.	1028.	1003.	990.
	5.0	1239.	1236.	1228.	1224.	1213.	1191.	1177.	1164.	1162.	1159.
	0.0	1234.	1234.	1234.	1234.	1234.	1234.	1234.	1234.	1234.	1234.

CONE OF MAXIMUM CANDELA

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	29
5- 10	88
10- 15	146
15- 20	193
20- 25	240
25- 30	297
30- 35	360
35- 40	432
40- 45	514
45- 50	603
50- 55	677
55- 60	745
60- 65	780
65- 70	787
70- 75	652
75- 80	291
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	118
0- 20	456
0- 30	993
0- 40	1785
0- 50	2902
0- 60	4324
0- 70	5891
0- 80	6834
0- 90	6879
0-100	6879
0-110	6879
0-120	6879
0-130	6879
0-140	6879
0-150	6879
0-160	6879
0-170	6879
0-180	6879