

REPORT NUMBER: PRORATED FROM RAB04363

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ISSUE DATE: 05/09/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T50Y/480 - RWLED2T50Y/480 - RWLED2T50SFY/480 -
WPLED2T50Y/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.

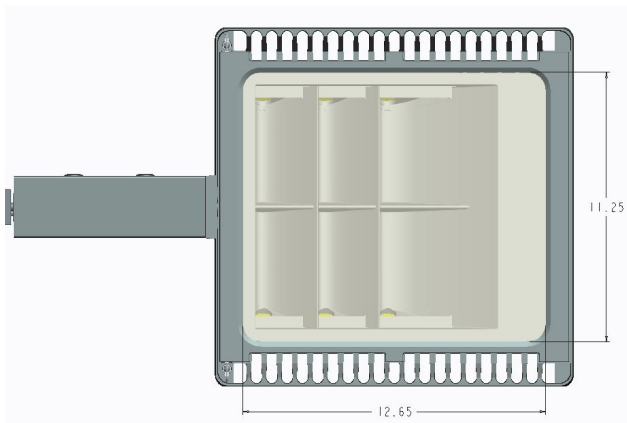
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04363 WHICH WAS
ALED2T125Y/480. ACTUAL PERFORMANCE MAY VARY.

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

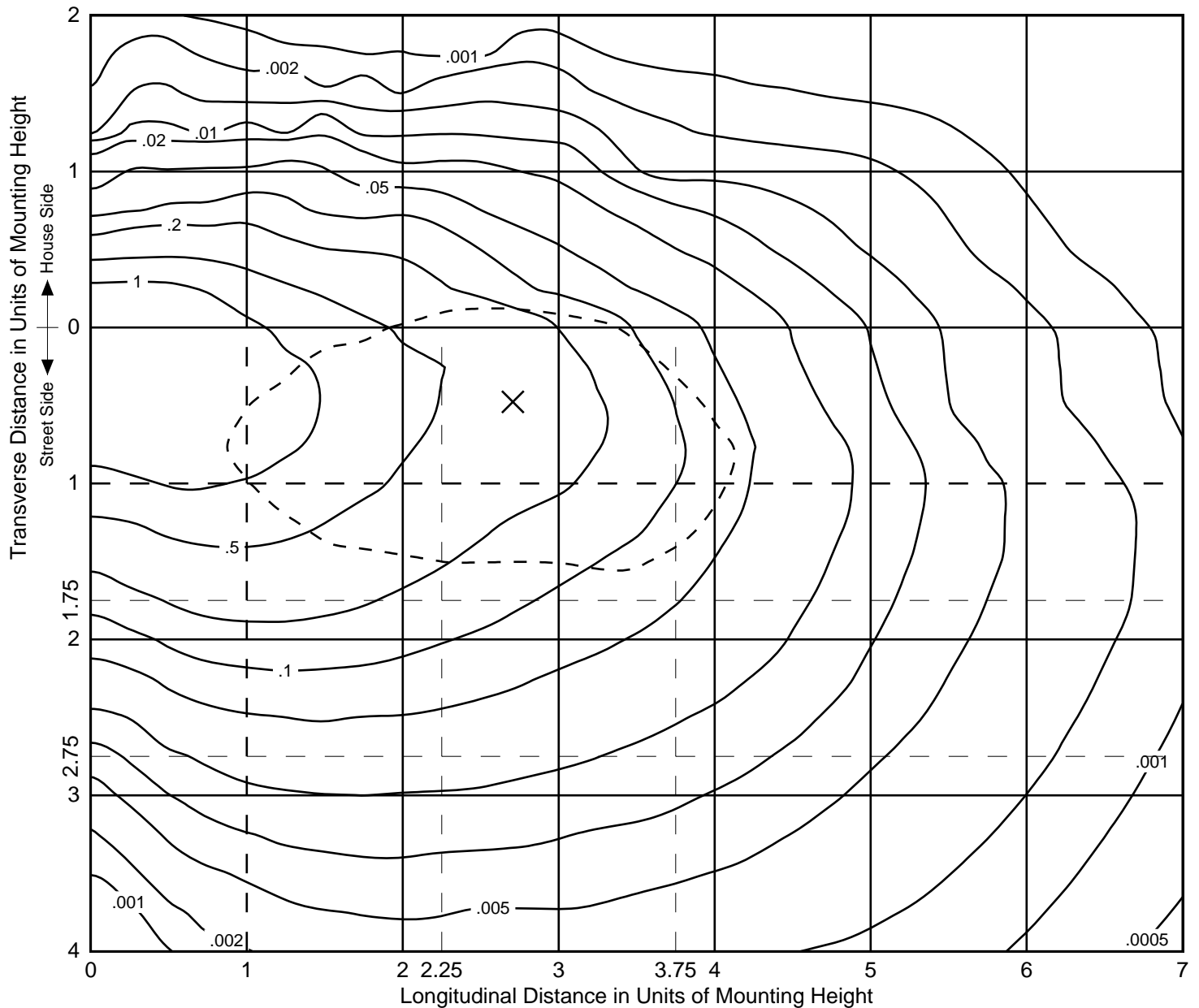
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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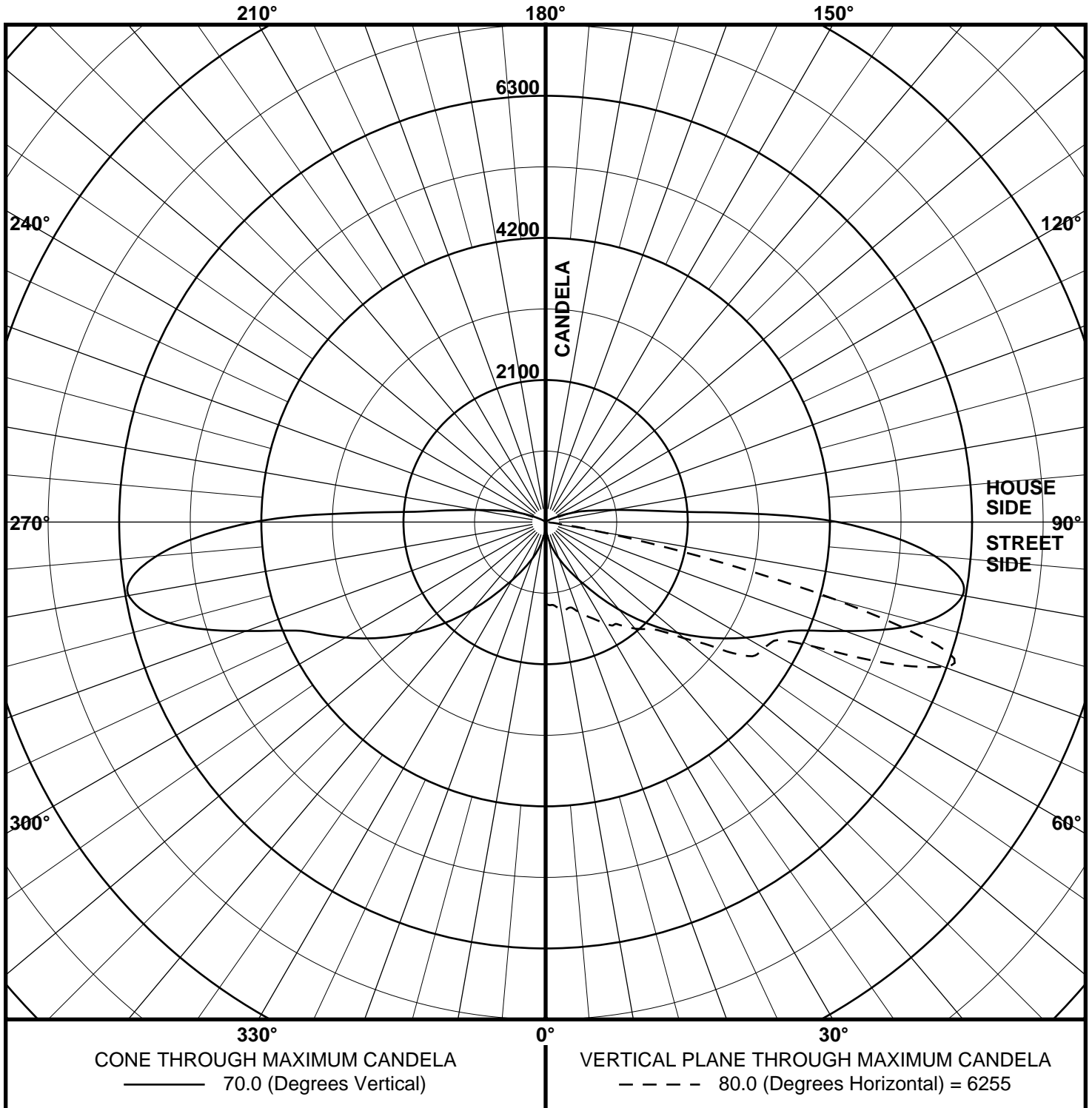
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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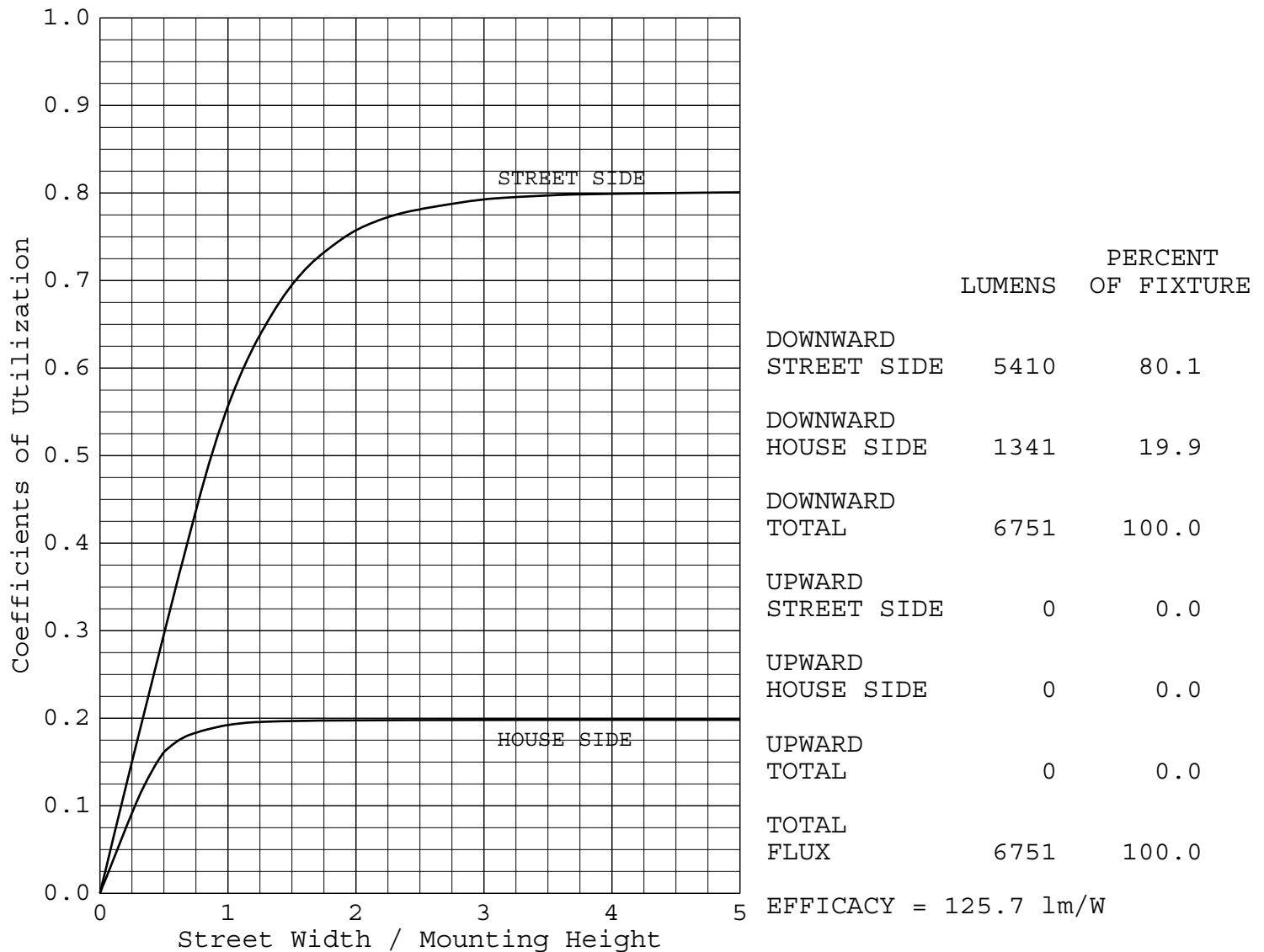
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



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				B1U0G2			
Zonal Summary			Lumens	% of Fixture	Zone Ratings		
					B	U	G
Forward			5410	80.1			
FL	(0° – 30°)		599.8	8.9			
FM	(30° – 60°)		2631.5	39.0			
FH	(60° – 80°)		2139.9	31.7			G2
FVH	(80° – 90°)		38.4	0.6			G1
Backward			1341	19.9			
BL	(0° – 30°)		374.4	5.5	B1		
BM	(30° – 60°)		638.0	9.5	B1		
BH	(60° – 80°)		323.0	4.8	B1		G1
BVH	(80° – 90°)		5.9	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			6751	100.0			

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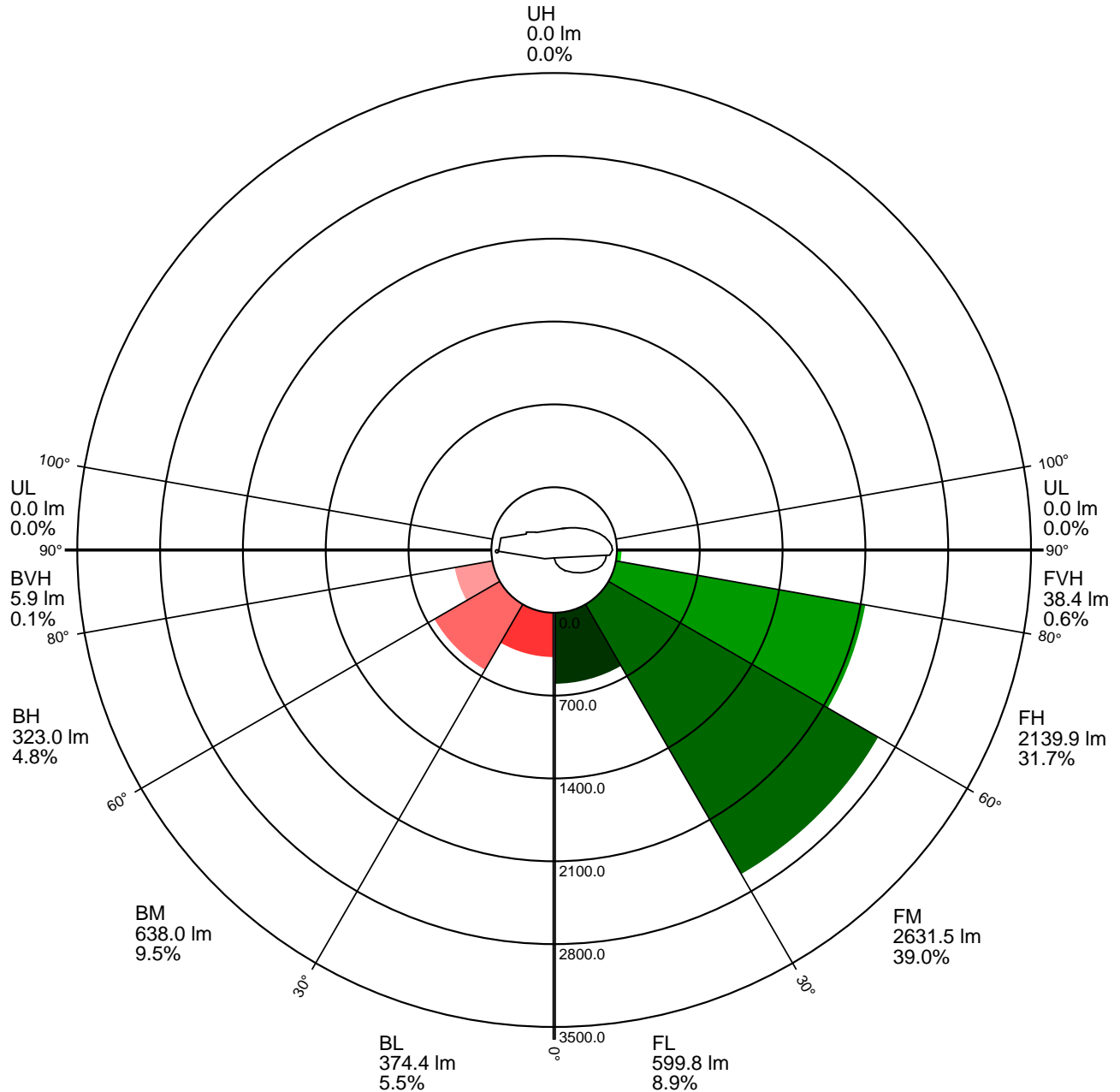
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Zonal Lumen Summary

(Linear scale)



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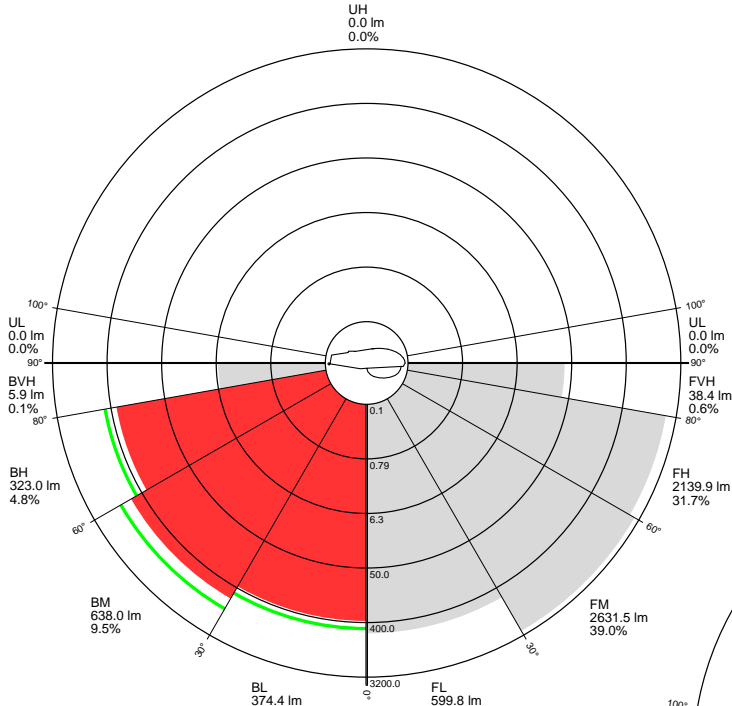
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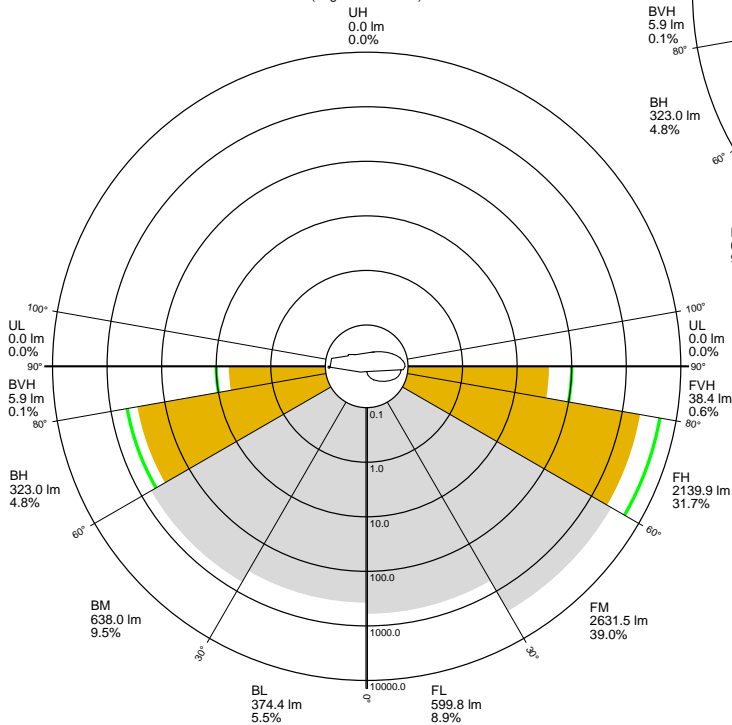
Backlight Rating Details

(Logarithmic scale)



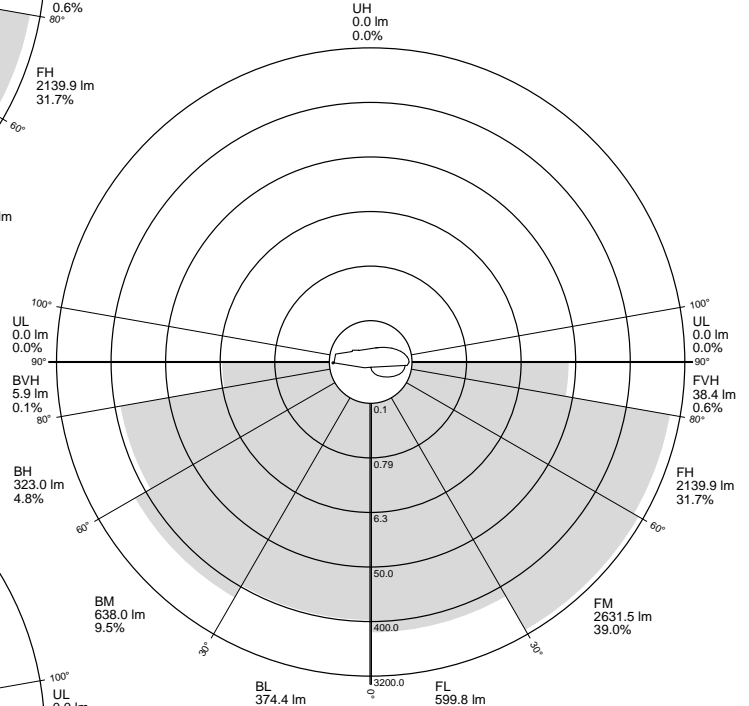
Glare Rating Details

(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.	4.	6.	13.	7.	9.	5.
85.0	2.	1.	3.	3.	5.	10.	34.	20.	25.	29.	22.
82.5	4.	3.	5.	8.	29.	86.	148.	183.	235.	201.	127.
80.0	8.	6.	13.	68.	131.	251.	521.	749.	860.	798.	441.
77.5	13.	13.	57.	178.	306.	644.	1183.	2005.	2353.	2291.	1418.
75.0	20.	34.	148.	339.	605.	1088.	1819.	3112.	4530.	4451.	3208.
72.5	48.	88.	277.	547.	925.	1574.	2518.	3424.	5753.	6083.	4906.
70.0<<	105.	170.	414.	763.	1306.	2113.	2984.	3844.	5758.	6255.	5772.
67.5	232.	260.	568.	1047.	1720.	2602.	3239.	4267.	4891.	5452.	5220.
65.0	377.	388.	795.	1358.	2113.	2910.	3462.	4389.	4427.	4336.	4341.
62.5	506.	546.	1021.	1635.	2323.	3039.	3614.	4378.	4169.	3802.	3485.
60.0	630.	713.	1184.	1765.	2440.	3050.	3677.	4335.	4109.	3724.	3339.
57.5	763.	853.	1281.	1861.	2444.	3025.	3706.	4009.	3912.	3671.	3172.
55.0	914.	978.	1307.	1868.	2422.	3088.	3665.	3831.	3582.	3376.	2994.
52.5	1074.	1118.	1384.	1935.	2543.	3144.	3514.	3572.	3140.	2952.	2588.
50.0	1220.	1245.	1488.	2059.	2623.	3111.	3418.	3319.	2820.	2671.	2298.
47.5	1353.	1380.	1625.	2124.	2606.	2912.	3191.	2978.	2608.	2420.	2197.
45.0	1443.	1486.	1716.	2141.	2521.	2693.	2749.	2702.	2462.	2242.	2101.
42.5	1508.	1556.	1751.	2065.	2332.	2519.	2466.	2415.	2282.	2144.	2051.
40.0	1534.	1561.	1729.	1916.	2173.	2365.	2320.	2210.	2130.	2055.	1967.
37.5	1510.	1520.	1688.	1792.	2004.	2194.	2166.	2100.	2053.	1951.	1847.
35.0	1442.	1447.	1577.	1649.	1825.	1951.	2032.	2078.	1947.	1840.	1743.
32.5	1397.	1405.	1518.	1539.	1663.	1784.	1912.	1994.	1897.	1812.	1744.
30.0	1369.	1389.	1482.	1503.	1613.	1688.	1798.	1842.	1767.	1728.	1699.
25.0	1321.	1326.	1376.	1446.	1429.	1492.	1582.	1598.	1576.	1556.	1538.
20.0	1260.	1264.	1302.	1404.	1421.	1434.	1411.	1430.	1419.	1412.	1372.
15.0	1299.	1292.	1306.	1353.	1404.	1408.	1394.	1379.	1349.	1313.	1301.
10.0	1261.	1264.	1274.	1282.	1300.	1326.	1353.	1353.	1340.	1329.	1317.
5.0	1236										

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	4.	4.	4.	3.	3.	3.	2.	2.	2.	1.
	85.0	13.	7.	5.	4.	4.	4.	4.	2.	2.	2.
V	82.5	96.	32.	31.	9.	6.	4.	4.	4.	4.	3.
E	80.0	397.	224.	95.	33.	15.	5.	5.	6.	5.	4.
R	77.5	1154.	596.	96.	30.	14.	5.	5.	5.	5.	4.
T	75.0	2335.	1010.	133.	42.	15.	8.	4.	5.	5.	4.
I	72.5	3641.	1406.	518.	117.	17.	9.	4.	5.	5.	4.
C	70.0<<	4318.	1797.	649.	178.	19.	10.	5.	6.	6.	4.
A	67.5	4158.	2178.	1013.	207.	31.	13.	6.	6.	6.	5.
L	65.0	3562.	2120.	1329.	260.	74.	15.	9.	7.	7.	6.
	62.5	3064.	2095.	1137.	338.	201.	40.	13.	11.	10.	8.
A	60.0	2863.	2196.	1118.	424.	325.	53.	18.	17.	20.	12.
N	57.5	2689.	2160.	1023.	448.	382.	119.	23.	19.	25.	13.
G	55.0	2552.	2131.	963.	471.	368.	174.	45.	23.	30.	12.
L	52.5	2318.	2104.	1060.	585.	375.	210.	102.	36.	41.	13.
E	50.0	2103.	1967.	1117.	711.	395.	206.	146.	72.	35.	16.
	47.5	2038.	1905.	1145.	761.	399.	209.	169.	111.	69.	40.
	45.0	1991.	1840.	1190.	774.	419.	241.	163.	138.	117.	68.
	42.5	1932.	1753.	1263.	804.	457.	269.	167.	136.	124.	85.
	40.0	1854.	1698.	1366.	851.	508.	303.	199.	134.	113.	90.
	37.5	1762.	1646.	1438.	890.	579.	350.	240.	173.	103.	91.
	35.0	1670.	1641.	1421.	946.	633.	416.	272.	215.	140.	108.
	32.5	1660.	1647.	1438.	1010.	692.	476.	324.	246.	176.	143.
	30.0	1612.	1599.	1396.	1073.	764.	530.	374.	276.	201.	182.
	25.0	1494.	1475.	1328.	1175.	876.	665.	492.	372.	297.	278.
	20.0	1366.	1355.	1263.	1130.	1007.	826.	686.	551.	473.	447.
	15.0	1285.	1283.	1252.	1182.	1116.	1046.	931.	797.	744.	732.
	10.0	1302.	1300.	1273.	1237.	1182.	1121.	1062.	1009.	984.	971.
	5.0	1215.	1213.	1205.	1201.	1190.	1169.	1155.	1143.	1140.	1137.
	0.0	1211.	1211.	1211.	1211.	1211.	1211.	1211.	1211.	1211.	1211.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	29
5- 10	87
10- 15	143
15- 20	189
20- 25	235
25- 30	291
30- 35	353
35- 40	424
40- 45	505
45- 50	592
50- 55	665
55- 60	731
60- 65	765
65- 70	772
70- 75	640
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	116
0- 20	448
0- 30	974
0- 40	1751
0- 50	2848
0- 60	4244
0- 70	5781
0- 80	6707
0- 90	6751
0-100	6751
0-110	6751
0-120	6751
0-130	6751
0-140	6751
0-150	6751
0-160	6751
0-170	6751
0-180	6751