

REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 1 OF 10

ISSUE DATE: 05/09/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T50/480 - RWLED2T50/480 - RWLED2T50SF/480 -
WPLED2T50/480 (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.

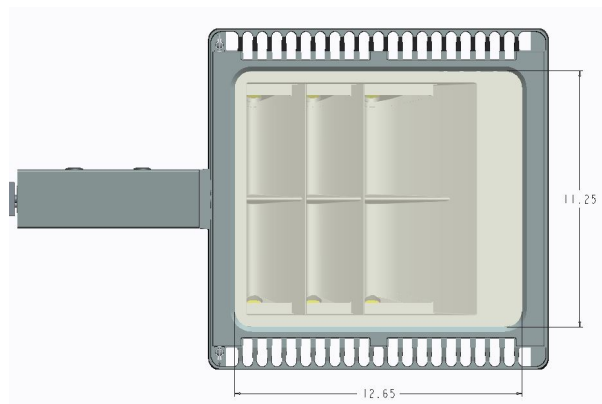
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04363 WHICH WAS
ALED2T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 53.6 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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PAGE: 2 OF 10

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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

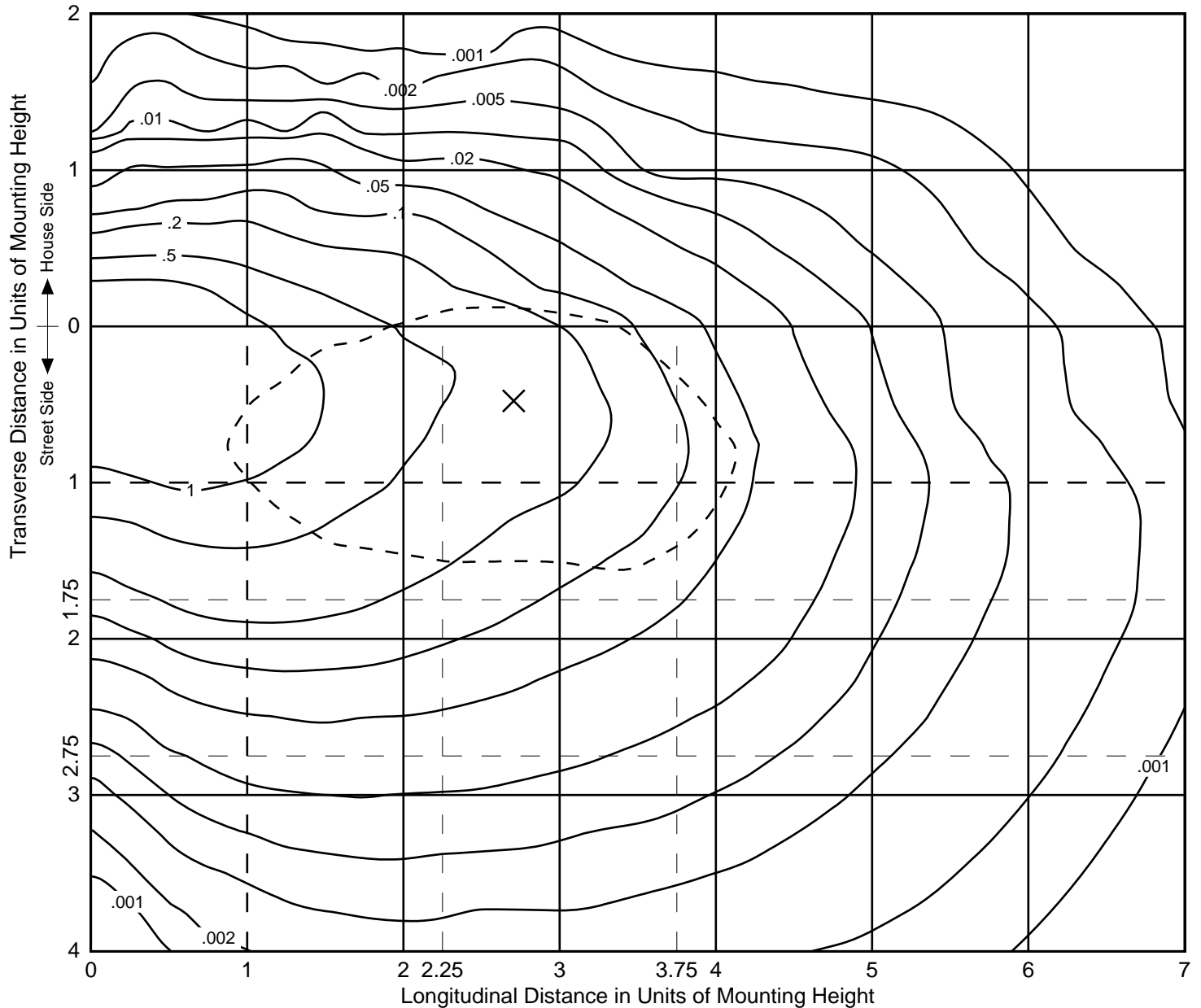
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

— — — — — 1/2 Maximum Candela trace

× Maximum Candela point



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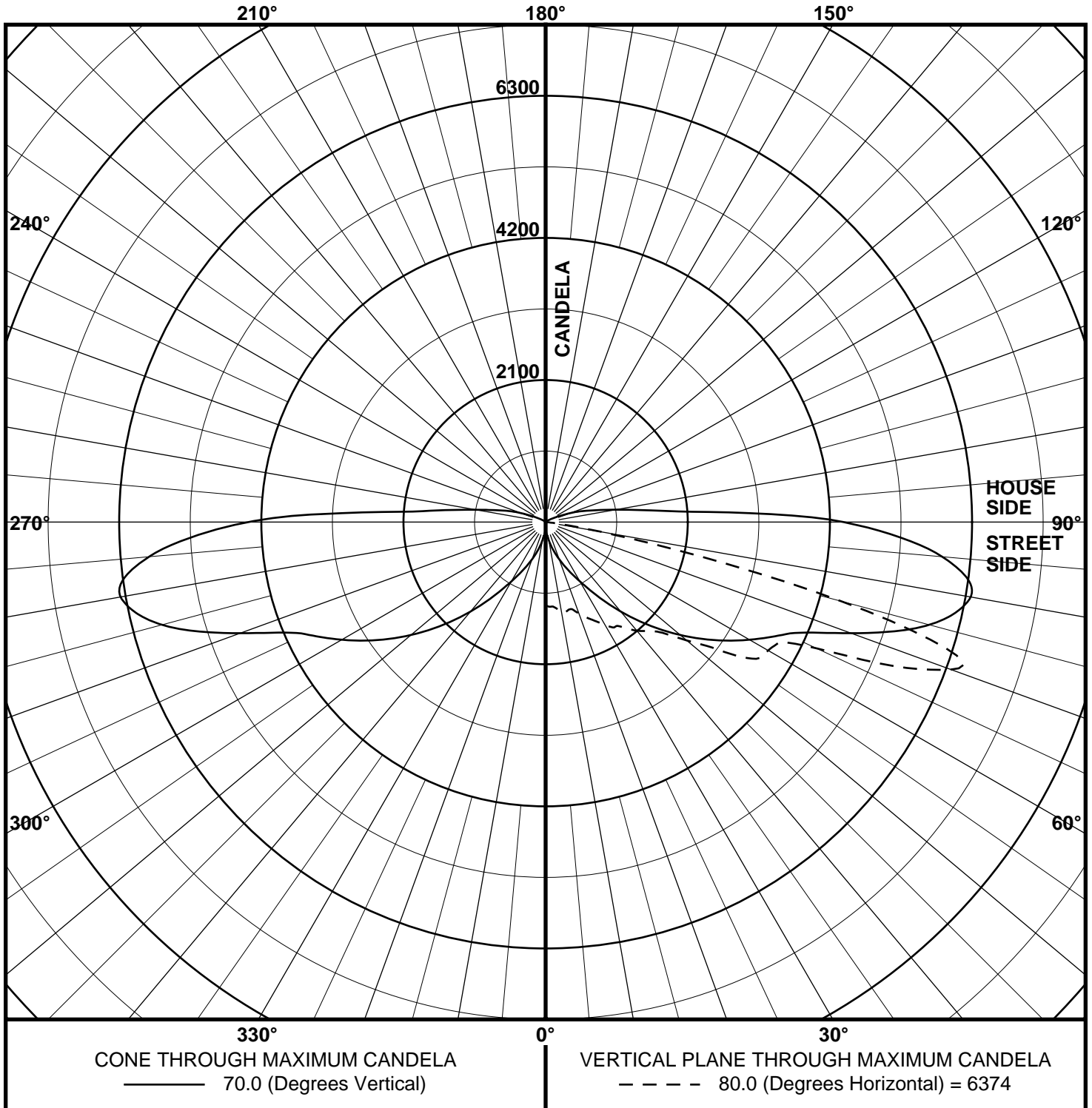
PAGE: 3 OF 10

ISSUE DATE: 05/09/18

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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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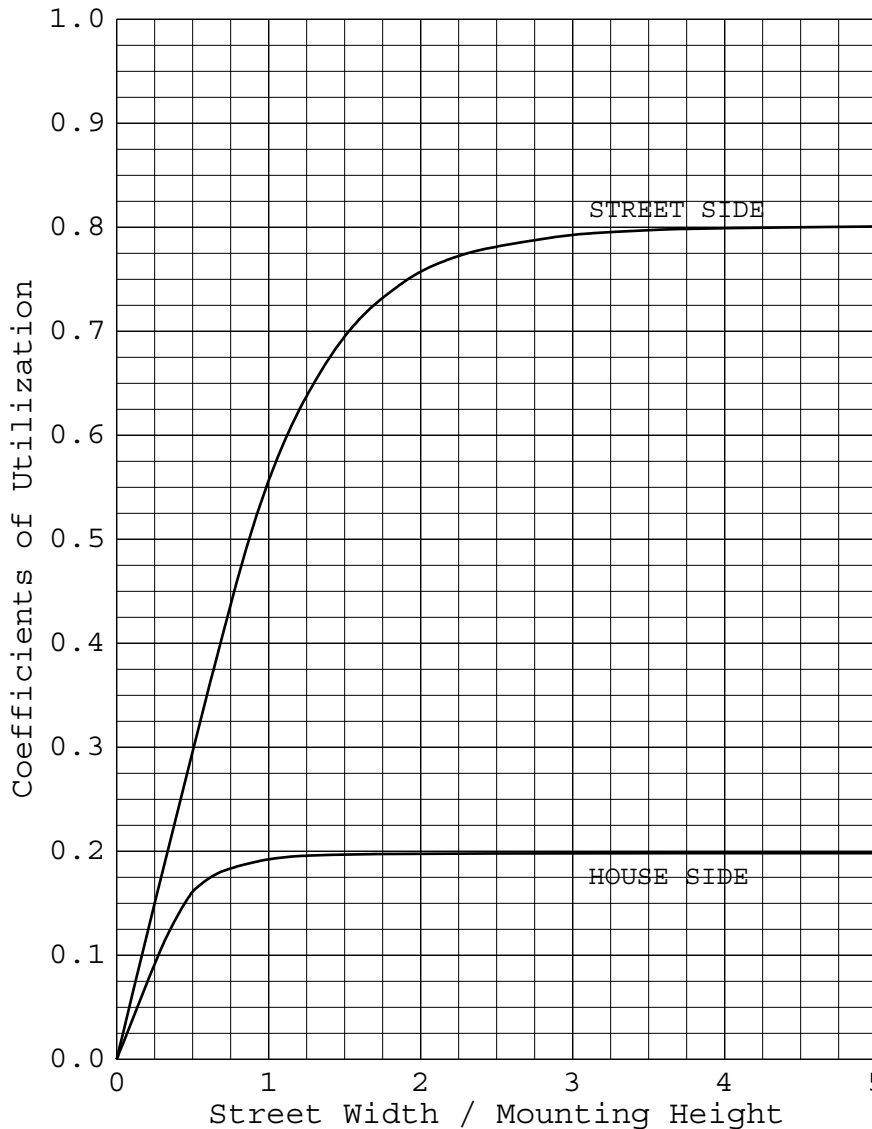
PAGE: 4 OF 10

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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	5513	80.1
DOWNWARD HOUSE SIDE	1367	19.9
DOWNWARD TOTAL	6880	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	6880	100.0

EFFICACY = 128.4 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.

REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 5 OF 10

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BUG Rating

Zonal Summary

Lumens

% of Fixture

B1 U0 G2

Zone Ratings

B U G

Forward		5513	80.1			
FL	(0° – 30°)	611.3	8.9			
FM	(30° – 60°)	2681.8	39.0			
FH	(60° – 80°)	2180.8	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°)	650.2	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		6880	100.0			

REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 6 OF 10

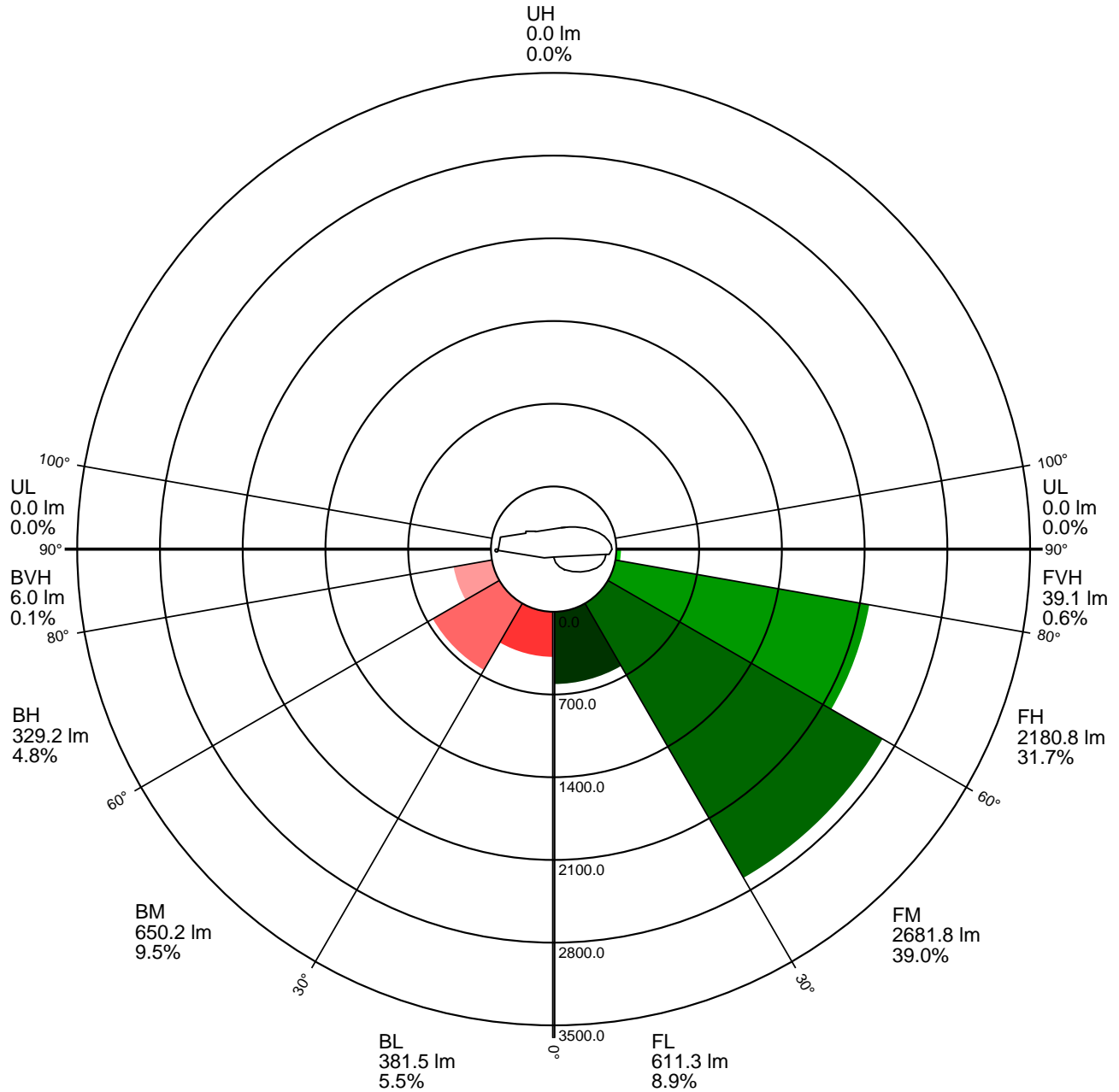
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Zonal Lumen Summary

(Linear scale)



REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 7 OF 10

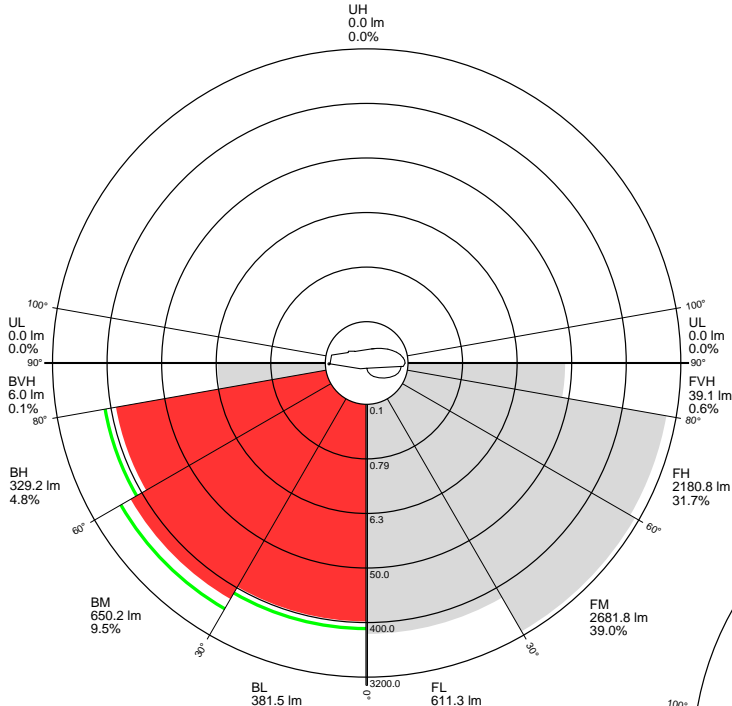
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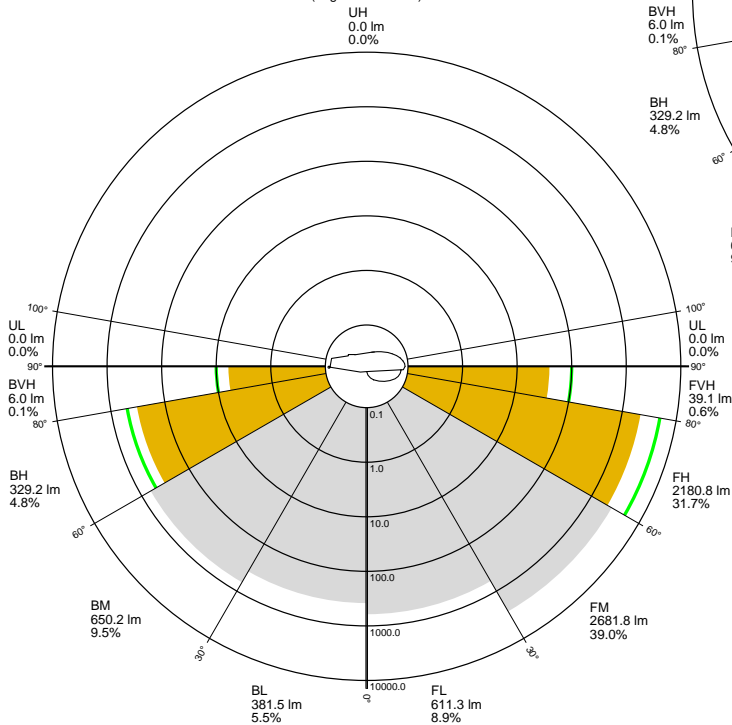
Backlight Rating Details

(Logarithmic scale)



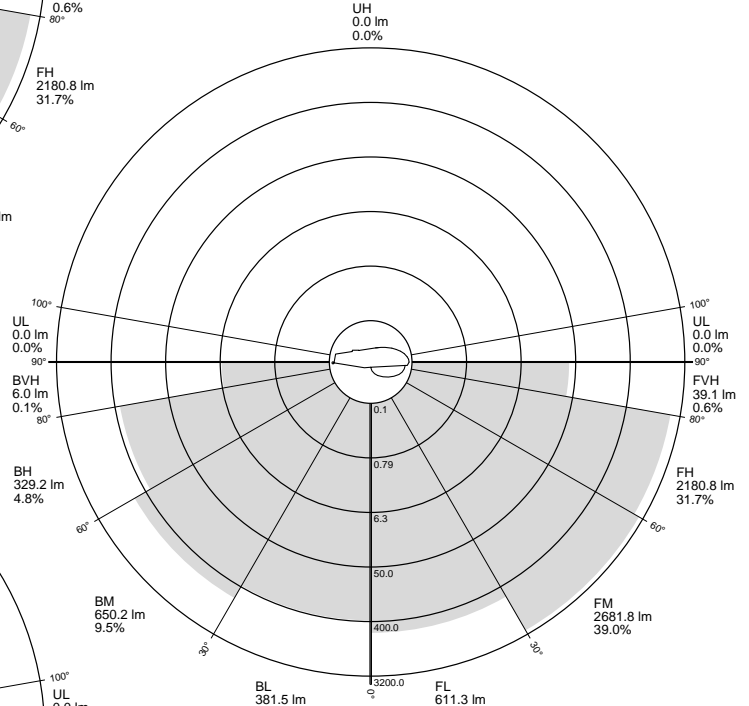
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 8 OF 10

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CANDELA TABULATION

	STREET	LATERAL ANGLE										
		SIDE	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	80.0
	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.	3.	5.	6.	13.	7.	9.	5.
	85.0	2.	1.	3.	3.	5.	10.	35.	20.	25.	30.	22.
V	82.5	4.	3.	5.	8.	30.	87.	151.	187.	239.	205.	129.
E	80.0	9.	6.	13.	69.	134.	256.	531.	764.	876.	813.	449.
R	77.5	14.	13.	59.	182.	312.	656.	1205.	2044.	2398.	2335.	1445.
T	75.0	21.	34.	151.	346.	616.	1108.	1853.	3171.	4617.	4536.	3269.
I	72.5	49.	89.	282.	557.	942.	1604.	2566.	3490.	5863.	6200.	4999.
C	70.0<<	107.	173.	421.	778.	1331.	2153.	3041.	3917.	5868.	6374.	5882.
A	67.5	236.	265.	579.	1067.	1752.	2652.	3301.	4349.	4985.	5556.	5320.
L	65.0	384.	396.	811.	1384.	2153.	2966.	3528.	4473.	4512.	4419.	4424.
	62.5	515.	557.	1041.	1666.	2367.	3098.	3683.	4462.	4248.	3875.	3552.
A	60.0	642.	727.	1207.	1799.	2486.	3108.	3747.	4418.	4187.	3795.	3403.
N	57.5	777.	870.	1306.	1897.	2491.	3083.	3777.	4086.	3987.	3741.	3233.
G	55.0	932.	997.	1332.	1904.	2469.	3147.	3735.	3904.	3650.	3440.	3051.
L	52.5	1094.	1139.	1411.	1972.	2592.	3204.	3581.	3641.	3200.	3008.	2637.
E	50.0	1244.	1268.	1516.	2098.	2673.	3170.	3484.	3383.	2874.	2722.	2342.
	47.5	1379.	1407.	1656.	2165.	2656.	2968.	3252.	3035.	2658.	2466.	2239.
	45.0	1470.	1514.	1748.	2182.	2569.	2745.	2802.	2754.	2509.	2285.	2141.
	42.5	1537.	1586.	1784.	2104.	2376.	2567.	2513.	2461.	2325.	2185.	2091.
	40.0	1564.	1591.	1762.	1952.	2214.	2410.	2364.	2252.	2171.	2094.	2004.
	37.5	1539.	1549.	1720.	1826.	2042.	2236.	2207.	2140.	2093.	1988.	1882.
	35.0	1470.	1475.	1607.	1681.	1860.	1989.	2071.	2117.	1984.	1875.	1777.
	32.5	1423.	1432.	1547.	1569.	1695.	1818.	1948.	2032.	1933.	1846.	1777.
	30.0	1395.	1416.	1510.	1531.	1644.	1720.	1832.	1877.	1801.	1761.	1731.
	25.0	1347.	1351.	1403.	1474.	1456.	1520.	1612.	1628.	1607.	1585.	1568.
	20.0	1284.	1288.	1327.	1431.	1448.	1462.	1438.	1457.	1447.	1439.	1399.
	15.0	1324.	1317.	1331.	1379.	1430.	1435.	1421.	1405.	1375.	1338.	1326.
	10.0	1285.	1288.	1298.	1306.	1324.	1351.	1378.	1379.	1366.	1354.	1342.
	5.0	1259.	1261.	1267.	1265.	1265.	1262.	1261.	1257.	1265.	1254.	1251.
	0.0	1234.	1234.	1234.	1234.	1234.	1234.	1234.	1234.	1234.	1234.	1234.

||
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

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PAGE: 9 OF 10

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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	1176.	608.	98.	31.	14.	5.	5.	5.	5.	5.
T	75.0	2379.	1030.	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	3630.	2161.	1355.	265.	76.	16.	9.	7.	7.	6.
	62.5	3122.	2135.	1159.	345.	205.	40.	13.	11.	10.	8.
A	60.0	2918.	2238.	1139.	432.	332.	54.	19.	17.	20.	12.
N	57.5	2741.	2201.	1043.	456.	389.	122.	24.	20.	26.	13.
G	55.0	2601.	2172.	981.	480.	375.	177.	46.	24.	31.	12.
L	52.5	2363.	2145.	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	2029.	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.	1392.	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.	278.	219.	143.	111.
	32.5	1692.	1679.	1465.	1029.	706.	485.	330.	251.	179.	146.
	30.0	1643.	1630.	1423.	1093.	779.	540.	381.	281.	205.	186.
	25.0	1523.	1503.	1353.	1197.	893.	678.	502.	379.	303.	283.
	20.0	1392.	1381.	1287.	1152.	1026.	842.	699.	561.	482.	456.
	15.0	1310.	1308.	1276.	1204.	1137.	1066.	949.	812.	759.	746.
	10.0	1327.	1324.	1298.	1261.	1204.	1142.	1082.	1028.	1003.	990.
	5.0	1239.	1237.	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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PAGE: 10 OF 10

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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	4325
0- 70	5892
0- 80	6835
0- 90	6880
0-100	6880
0-110	6880
0-120	6880
0-130	6880
0-140	6880
0-150	6880
0-160	6880
0-170	6880
0-180	6880