

REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 1 OF 10

ISSUE DATE: 05/09/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T78/480 - RWLED2T78/480 - RWLED2T78SF/480 -
WPLED2T78/480 (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.

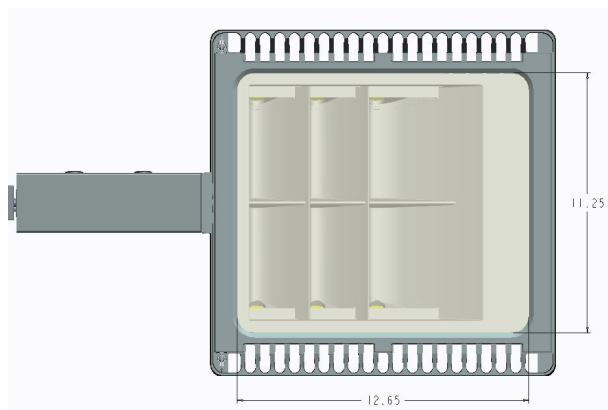
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04363 WHICH WAS
ALED2T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 79.4 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: RD-S075-A2100-480

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

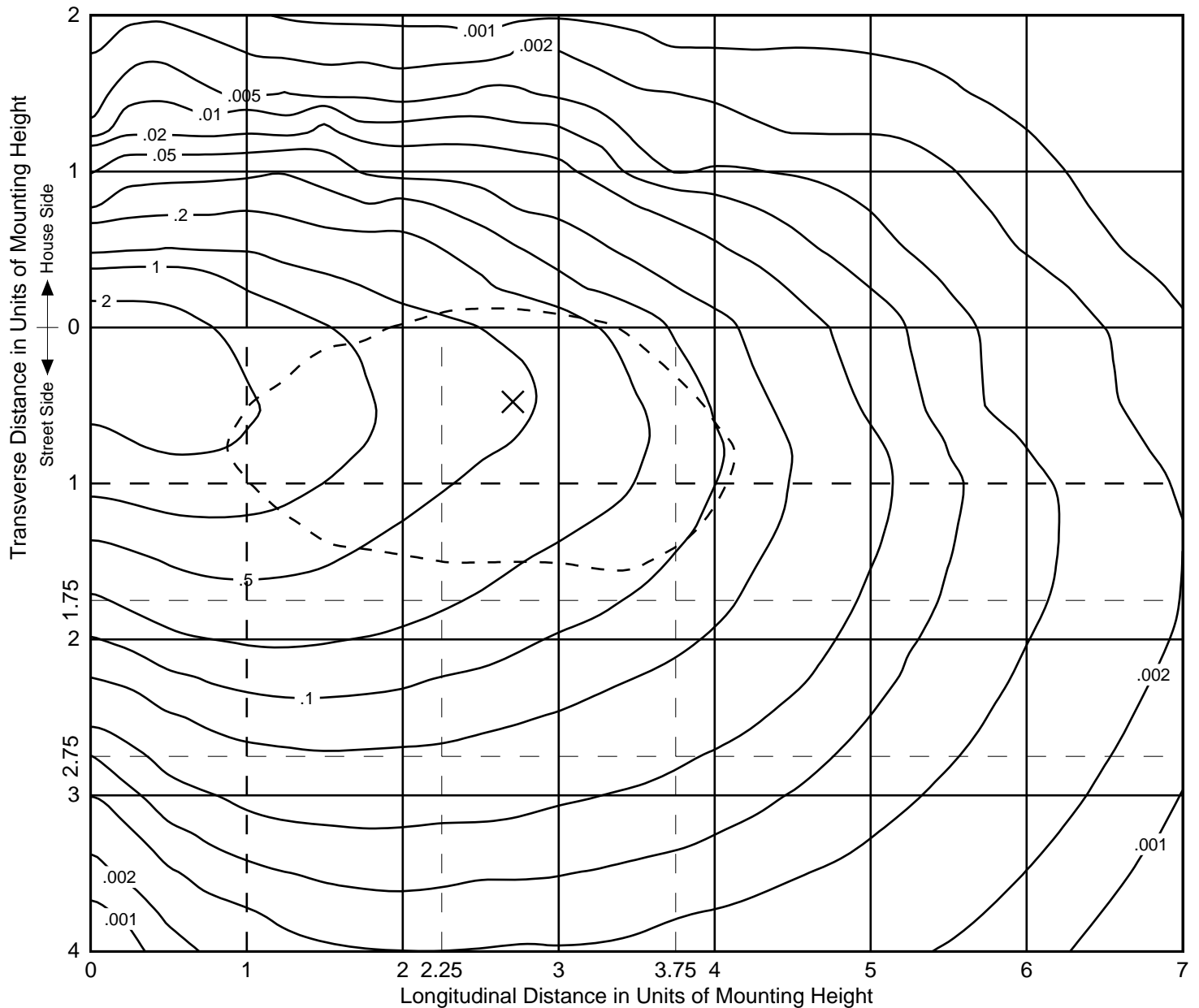
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



REPORT NUMBER: PRORATED FROM RAB04363

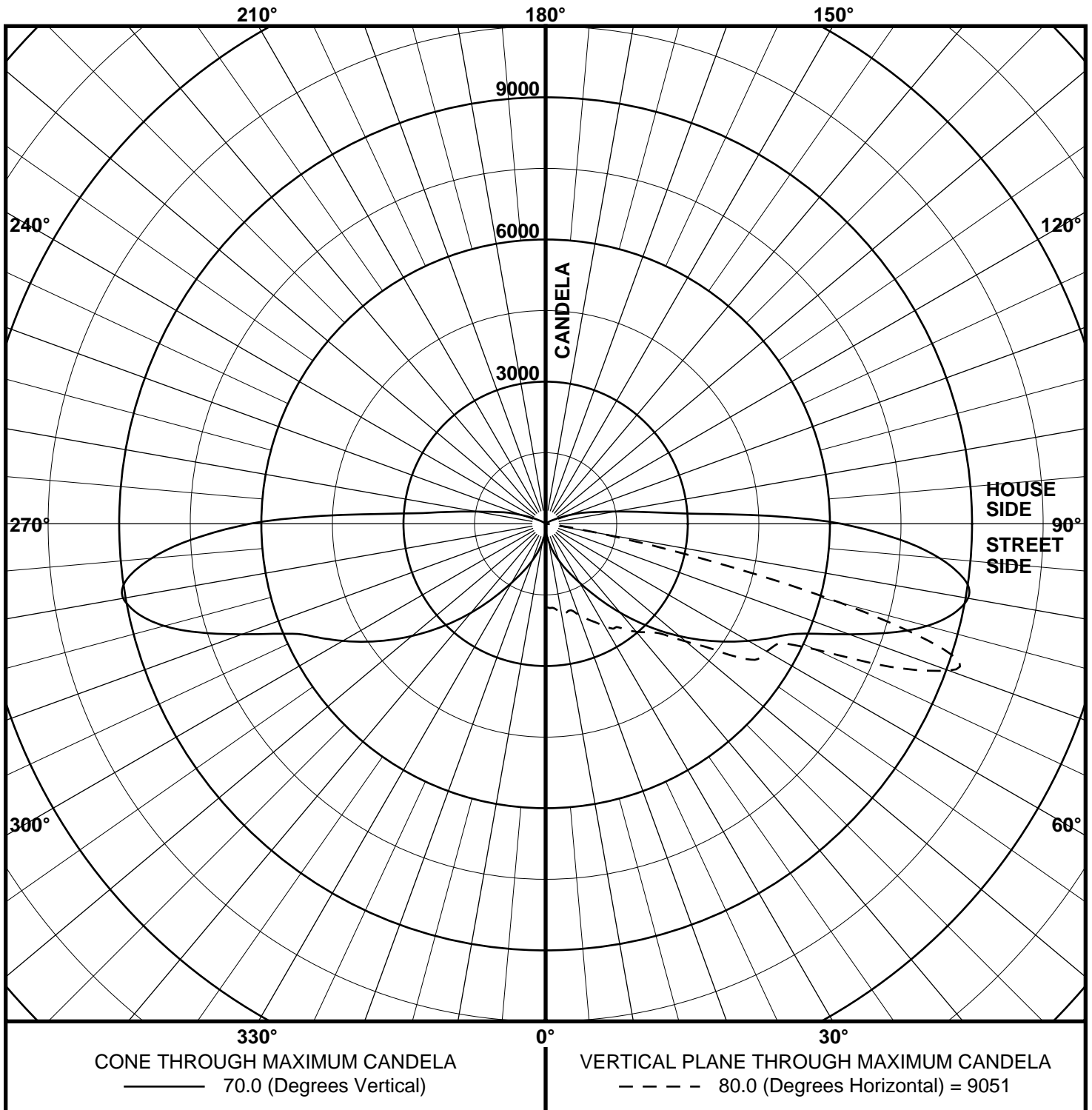
PAGE: 3 OF 10

ISSUE DATE: 05/09/18

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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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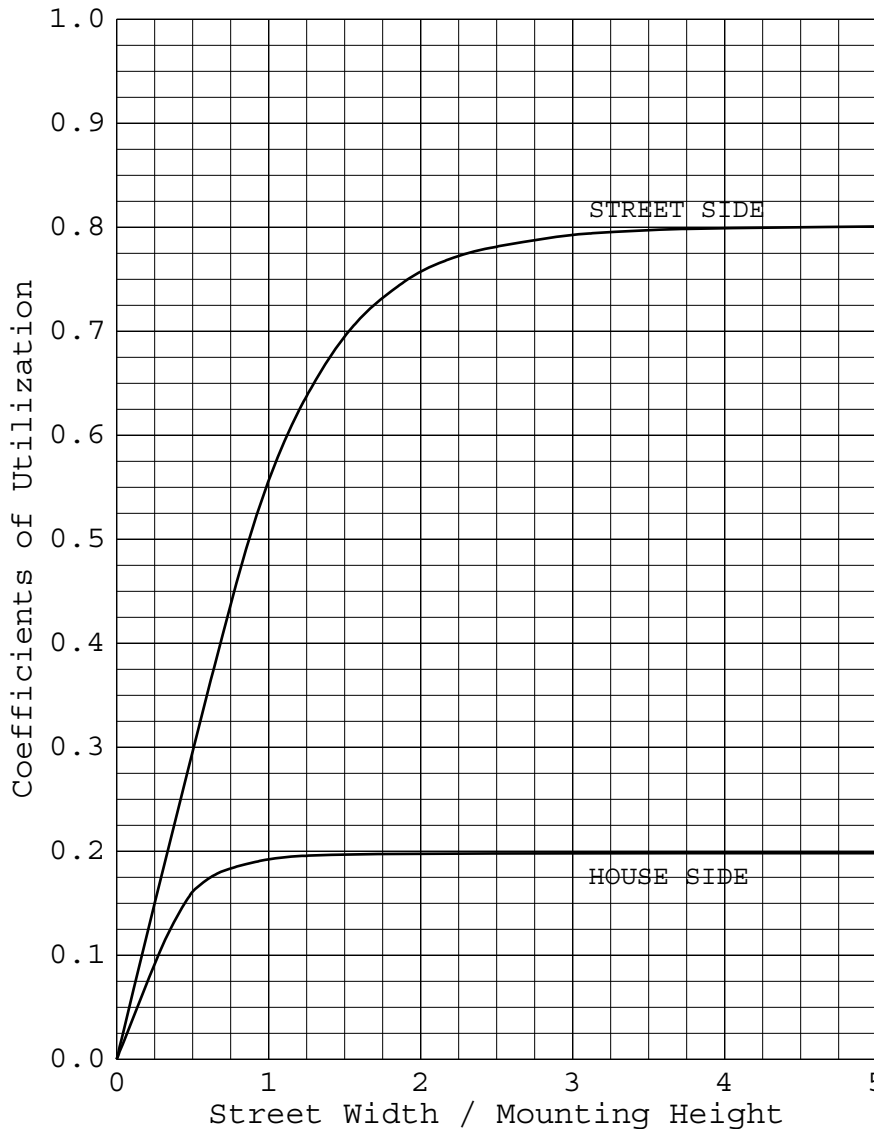
PAGE: 4 OF 10

ISSUE DATE: 05/09/18

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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	7828	80.1
DOWNWARD HOUSE SIDE	1941	19.9
DOWNWARD TOTAL	9769	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	9769	100.0

EFFICACY = 123.0 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.

REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 5 OF 10

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BUG Rating				B2	U0	G2
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		7828	80.1			
FL	(0° – 30°)	868.0	8.9			
FM	(30° – 60°)	3808.0	39.0			
FH	(60° – 80°)	3096.5	31.7			G2
FVH	(80° – 90°)	55.5	0.6			G1
Backward		1941	19.9			
BL	(0° – 30°)	541.7	5.5	B2		
BM	(30° – 60°)	923.2	9.5	B1		
BH	(60° – 80°)	467.5	4.8	B1		G1
BVH	(80° – 90°)	8.5	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		9769	100.0			

REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 6 OF 10

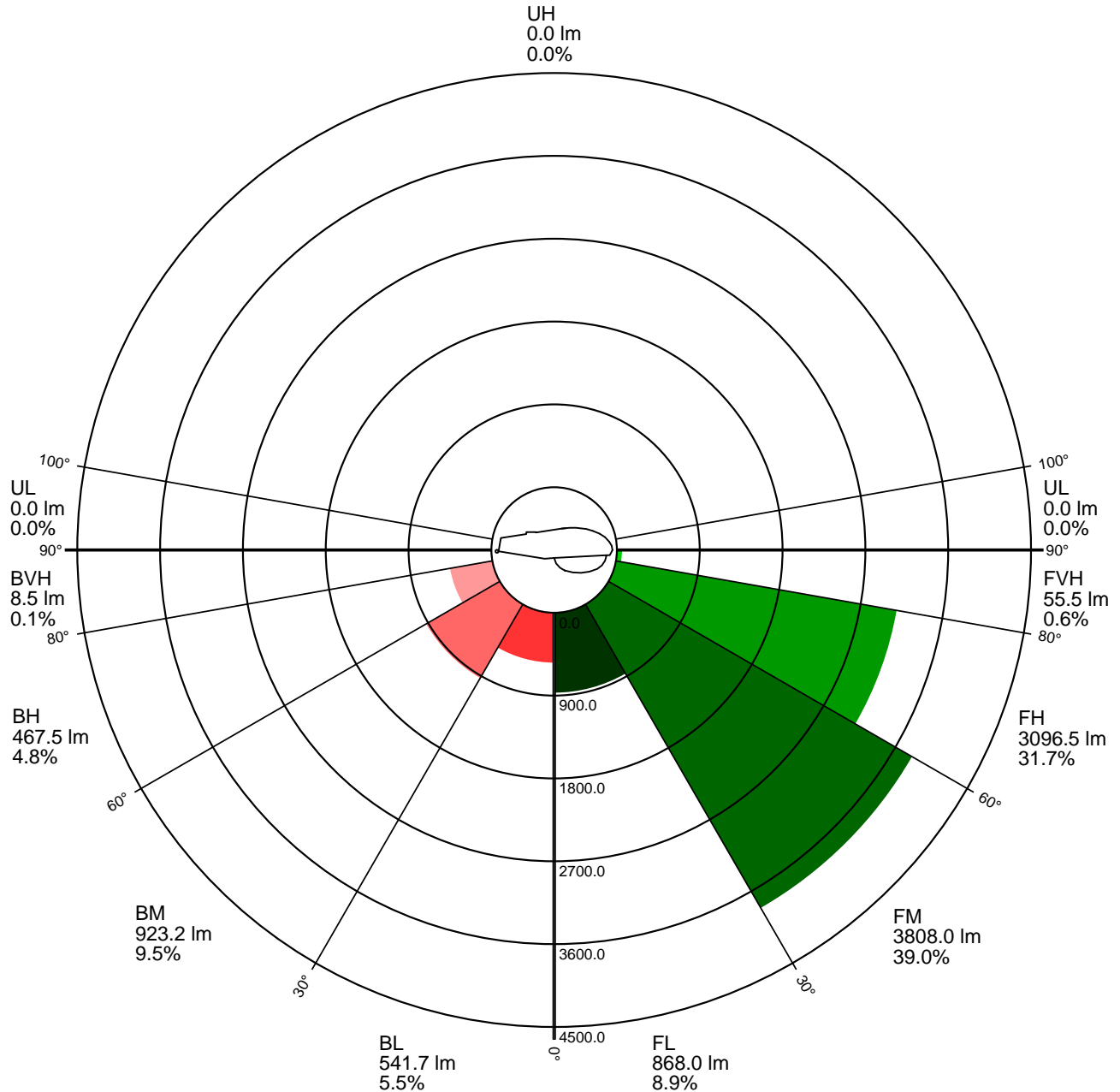
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Zonal Lumen Summary

(Linear scale)



REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 7 OF 10

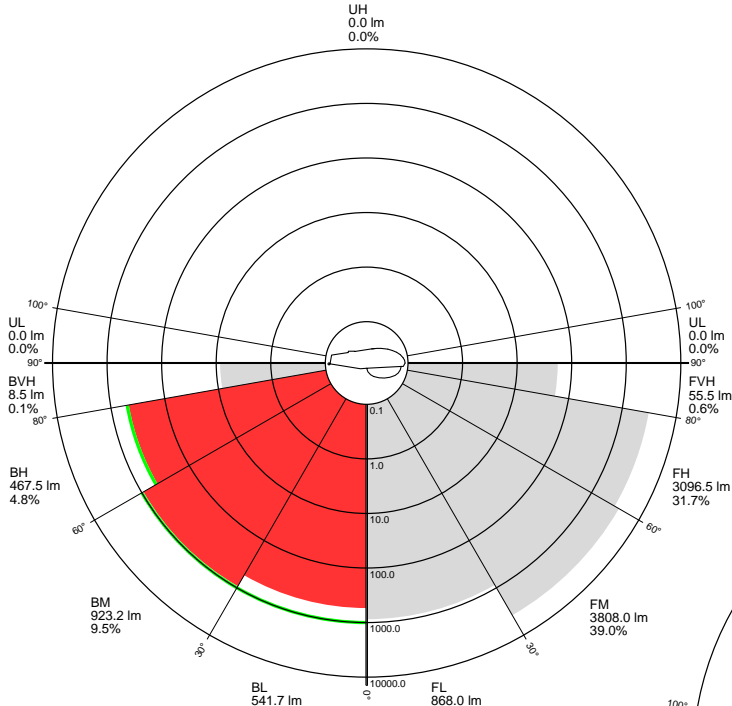
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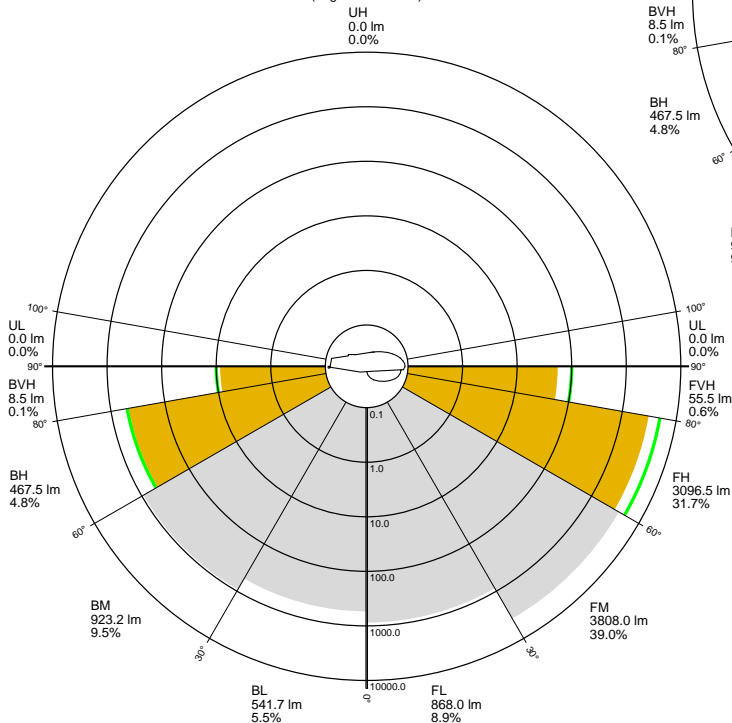
Backlight Rating Details

(Logarithmic scale)



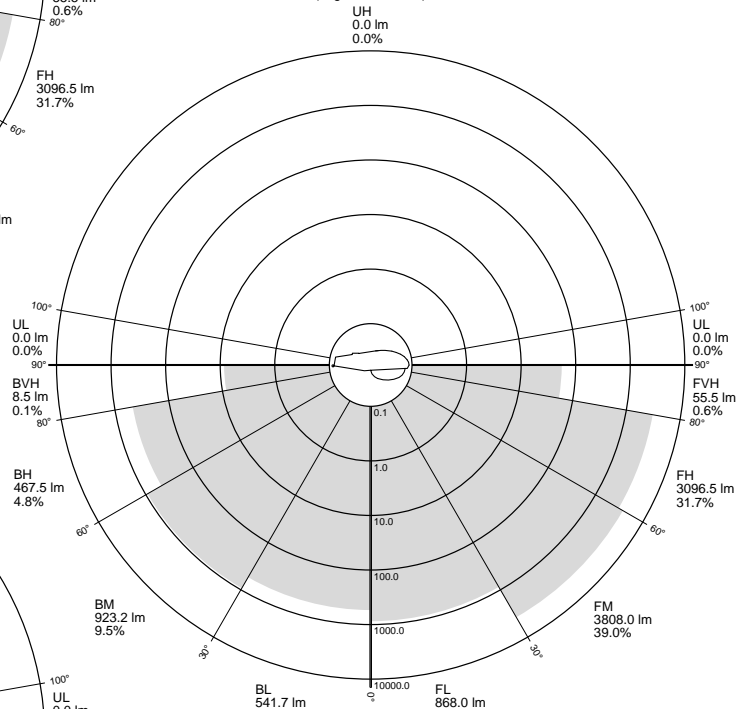
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 8 OF 10

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CANDELA TABULATION

	LATERAL ANGLE										
	STREET SIDE	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.
	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	1.	1.	2.	3.	5.	6.	8.	18.	10.	13.
	85.0	2.	2.	4.	5.	8.	15.	50.	29.	36.	42.
V	82.5	6.	4.	8.	12.	42.	124.	215.	265.	340.	291.
E	80.0	12.	8.	19.	98.	190.	364.	754.	1084.	1244.	1155.
R	77.5	19.	18.	83.	258.	443.	932.	1711.	2902.	3405.	3315.
T	75.0	29.	49.	215.	491.	875.	1574.	2632.	4503.	6555.	6441.
I	72.5	70.	127.	400.	792.	1338.	2277.	3644.	4955.	8325.	8803.
C	70.0<<	152.	246.	598.	1104.	1890.	3057.	4317.	5562.	8332.	9051.
A	67.5	335.	376.	823.	1515.	2488.	3765.	4687.	6175.	7078.	7890.
L	65.0	546.	562.	1151.	1966.	3057.	4211.	5010.	6351.	6406.	6275.
	62.5	732.	790.	1478.	2366.	3361.	4398.	5230.	6335.	6032.	5502.
A	60.0	911.	1032.	1713.	2554.	3531.	4413.	5320.	6274.	5946.	5389.
N	57.5	1104.	1235.	1854.	2693.	3537.	4377.	5363.	5801.	5661.	5312.
G	55.0	1323.	1416.	1891.	2703.	3505.	4469.	5303.	5543.	5183.	4885.
L	52.5	1554.	1617.	2003.	2800.	3680.	4549.	5084.	5169.	4543.	4271.
E	50.0	1766.	1801.	2153.	2979.	3795.	4501.	4946.	4803.	4081.	3865.
	47.5	1958.	1997.	2351.	3074.	3771.	4214.	4617.	4310.	3774.	3501.
	45.0	2088.	2150.	2483.	3098.	3648.	3897.	3978.	3911.	3562.	3244.
	42.5	2183.	2252.	2533.	2988.	3374.	3645.	3569.	3495.	3302.	3103.
	40.0	2220.	2259.	2501.	2772.	3144.	3422.	3357.	3197.	3082.	2973.
	37.5	2186.	2200.	2443.	2593.	2899.	3175.	3134.	3038.	2971.	2823.
	35.0	2087.	2094.	2282.	2386.	2641.	2824.	2941.	3007.	2817.	2663.
	32.5	2021.	2033.	2196.	2227.	2407.	2581.	2766.	2885.	2745.	2622.
	30.0	1981.	2011.	2144.	2175.	2334.	2443.	2602.	2665.	2557.	2500.
	25.0	1912.	1919.	1992.	2093.	2068.	2159.	2289.	2312.	2281.	2251.
	20.0	1824.	1829.	1884.	2032.	2056.	2076.	2042.	2069.	2054.	2043.
	15.0	1880.	1869.	1889.	1958.	2031.	2037.	2018.	1995.	1952.	1900.
	10.0	1825.	1829.	1844.	1855.	1881.	1918.	1957.	1958.	1940.	1923.
	5.0	1788.	1791.	1799.	1796.	1796.	1792.	1790.	1785.	1797.	1780.
	0.0	1752.	1752.	1752.	1752.	1752.	1752.	1752.	1752.	1752.	1752.

||
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	6.	5.	6.	5.	4.	4.	4.	2.	2.	2.
	85.0	19.	11.	8.	6.	5.	5.	5.	4.	2.	2.
V	82.5	139.	46.	44.	13.	8.	6.	5.	6.	6.	5.
E	80.0	574.	324.	137.	48.	21.	7.	7.	8.	8.	6.
R	77.5	1669.	863.	139.	43.	20.	8.	7.	8.	8.	6.
T	75.0	3378.	1462.	193.	61.	21.	12.	6.	8.	7.	6.
I	72.5	5268.	2034.	749.	170.	25.	13.	6.	8.	7.	6.
C	70.0<<	6248.	2600.	939.	258.	28.	14.	8.	8.	8.	6.
A	67.5	6017.	3152.	1465.	300.	44.	18.	9.	9.	9.	7.
L	65.0	5154.	3068.	1923.	376.	108.	22.	13.	11.	11.	9.
	62.5	4433.	3032.	1646.	489.	292.	57.	18.	15.	14.	11.
A	60.0	4143.	3178.	1617.	613.	471.	76.	26.	24.	29.	17.
N	57.5	3892.	3125.	1481.	648.	553.	173.	33.	28.	37.	18.
G	55.0	3693.	3084.	1393.	682.	532.	252.	65.	34.	43.	18.
L	52.5	3355.	3045.	1535.	847.	542.	303.	147.	53.	60.	18.
E	50.0	3043.	2847.	1616.	1029.	571.	299.	211.	105.	50.	23.
	47.5	2949.	2756.	1658.	1102.	577.	302.	245.	161.	100.	58.
	45.0	2881.	2663.	1722.	1121.	606.	349.	237.	200.	170.	98.
	42.5	2796.	2536.	1828.	1163.	662.	390.	241.	197.	180.	123.
	40.0	2682.	2457.	1976.	1231.	735.	439.	288.	193.	164.	130.
	37.5	2549.	2382.	2080.	1288.	838.	506.	347.	251.	149.	132.
	35.0	2417.	2374.	2056.	1369.	916.	602.	394.	311.	203.	157.
	32.5	2402.	2384.	2080.	1461.	1002.	689.	468.	356.	254.	207.
	30.0	2333.	2314.	2020.	1552.	1105.	767.	541.	399.	290.	264.
	25.0	2162.	2135.	1921.	1700.	1268.	963.	713.	539.	430.	402.
	20.0	1977.	1961.	1828.	1636.	1457.	1195.	993.	797.	684.	647.
	15.0	1860.	1857.	1812.	1710.	1615.	1514.	1348.	1153.	1077.	1060.
	10.0	1885.	1881.	1843.	1790.	1710.	1622.	1536.	1460.	1424.	1406.
	5.0	1759.	1756.	1744.	1738.	1723.	1691.	1671.	1653.	1650.	1645.
	0.0	1752.	1752.	1752.	1752.	1752.	1752.	1752.	1752.	1752.	1752.

CONE OF MAXIMUM CANDELA

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PAGE: 10 OF 10

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	42
5- 10	125
10- 15	207
15- 20	273
20- 25	341
25- 30	421
30- 35	511
35- 40	613
40- 45	730
45- 50	857
50- 55	962
55- 60	1058
60- 65	1107
65- 70	1118
70- 75	926
75- 80	413
80- 85	61
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	167
0- 20	648
0- 30	1410
0- 40	2534
0- 50	4121
0- 60	6141
0- 70	8366
0- 80	9705
0- 90	9769
0-100	9769
0-110	9769
0-120	9769
0-130	9769
0-140	9769
0-150	9769
0-160	9769
0-170	9769
0-180	9769