

REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 1 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T105N - RWLED4T105N - RWLED4T105SFN- WPLED4T105N (TYPE IV)

LUMINAIRE: CAST FINNED METAL HOUSING, 6 CIRCUIT BOARDS EACH WITH 1 LED, MOLDED 2-PIECE PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER LED, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL LENS FRAME.

LAMPS: SIX WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), 2 LEDs TILTED 56-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 18-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 57-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 16-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 57-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 22-DEGREES FROM STRAIGHT AHEAD.

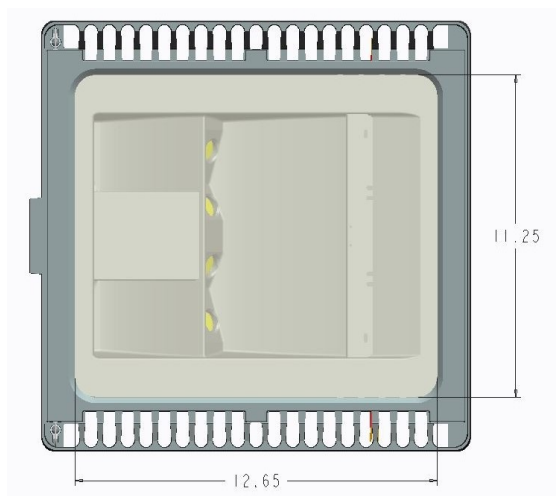
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04284 WHICH WAS ALED4T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 105.7 W AT 120.0 VAC.

LED DRIVER: LED DRIVER: 2 X RD-060-A1400

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

PAGE: 2 OF 10

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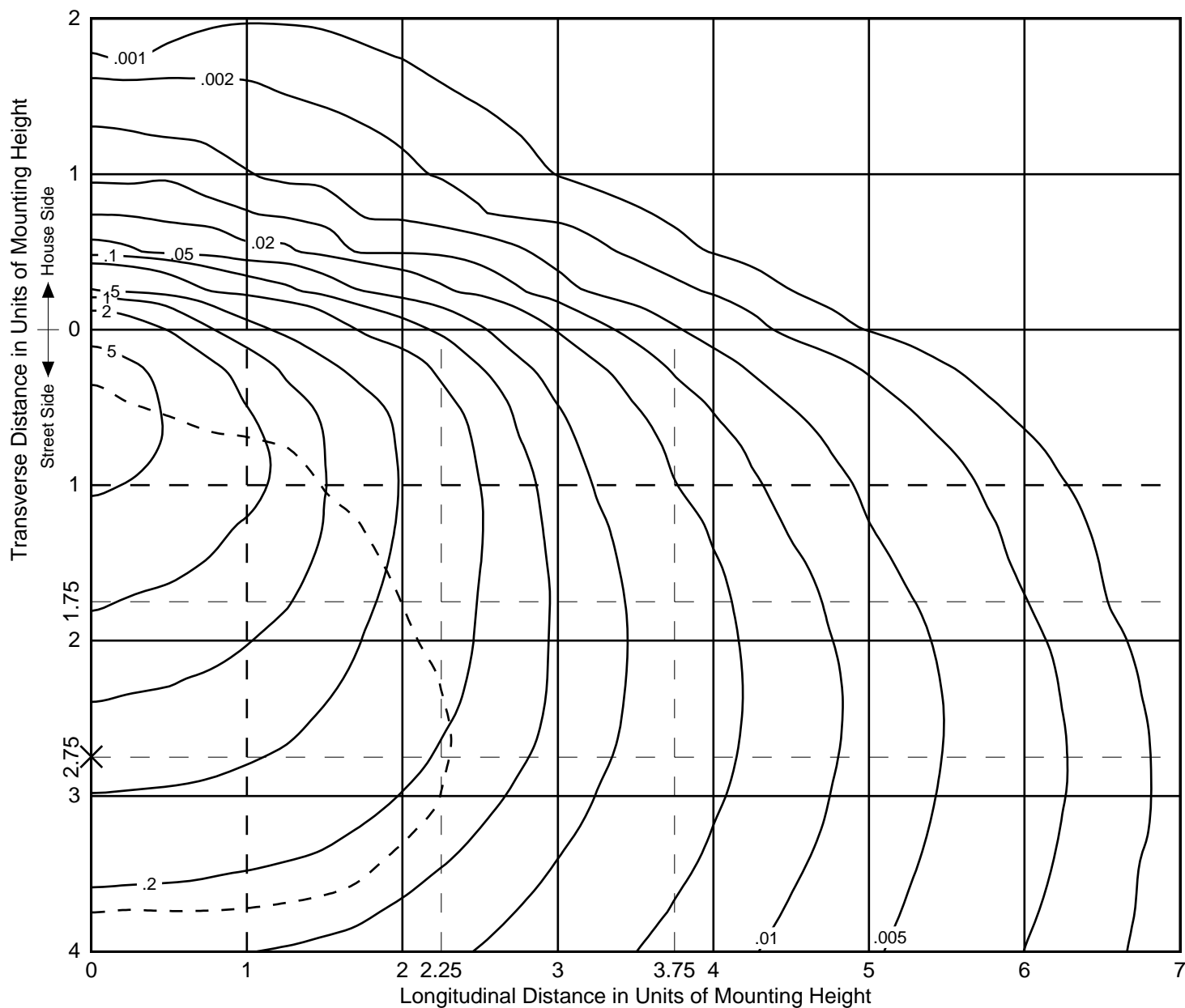
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IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — - 1/2 Maximum Candela trace

✕ Maximum Candela point



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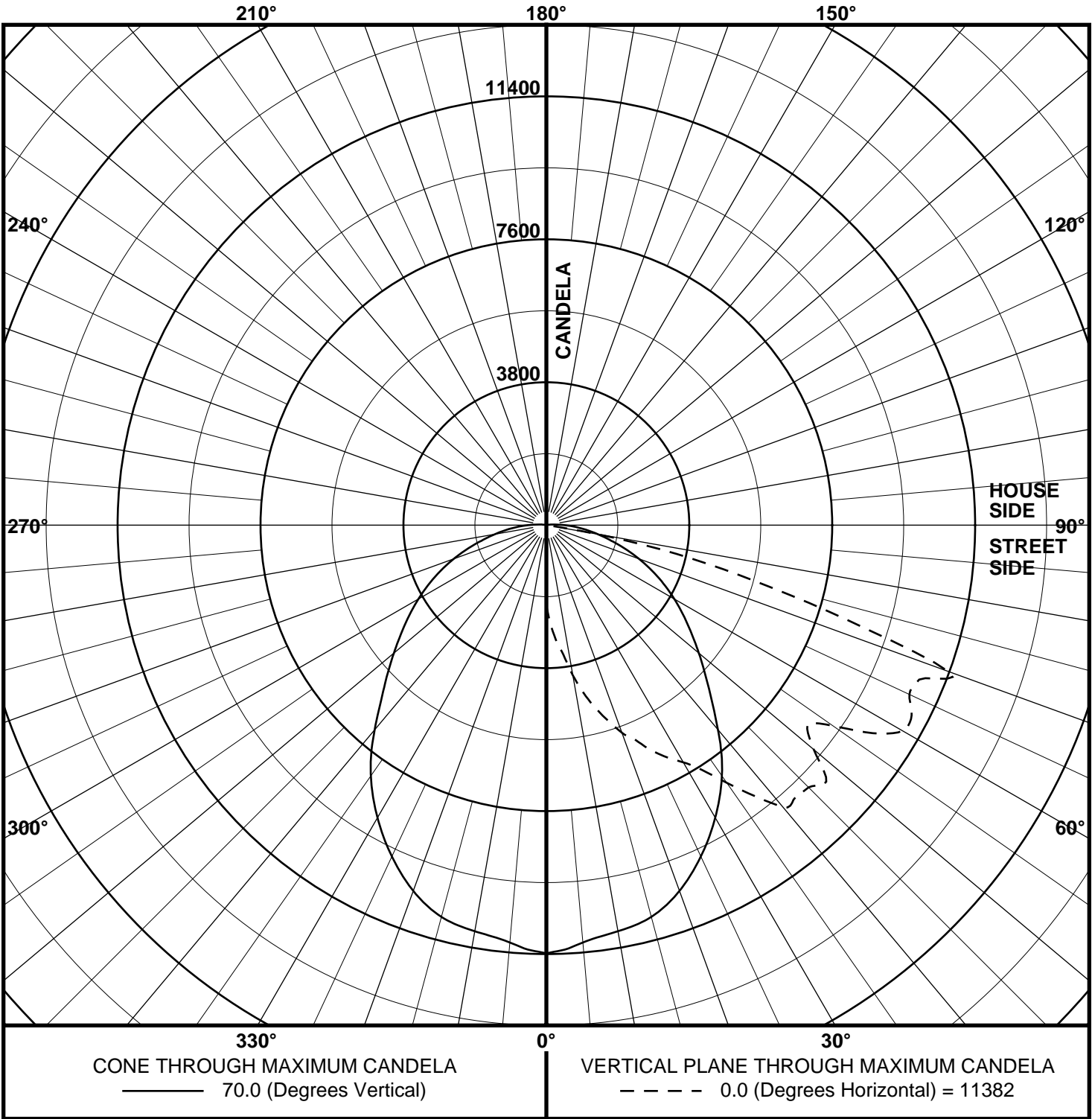
PAGE: 3 OF 10

ISSUE DATE: 05/8/18

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CATALOG NUMBER: ALED4T105N - RWLED4T105N - RWLED4T105SFN- WPLED4T105N (TYPE IV)

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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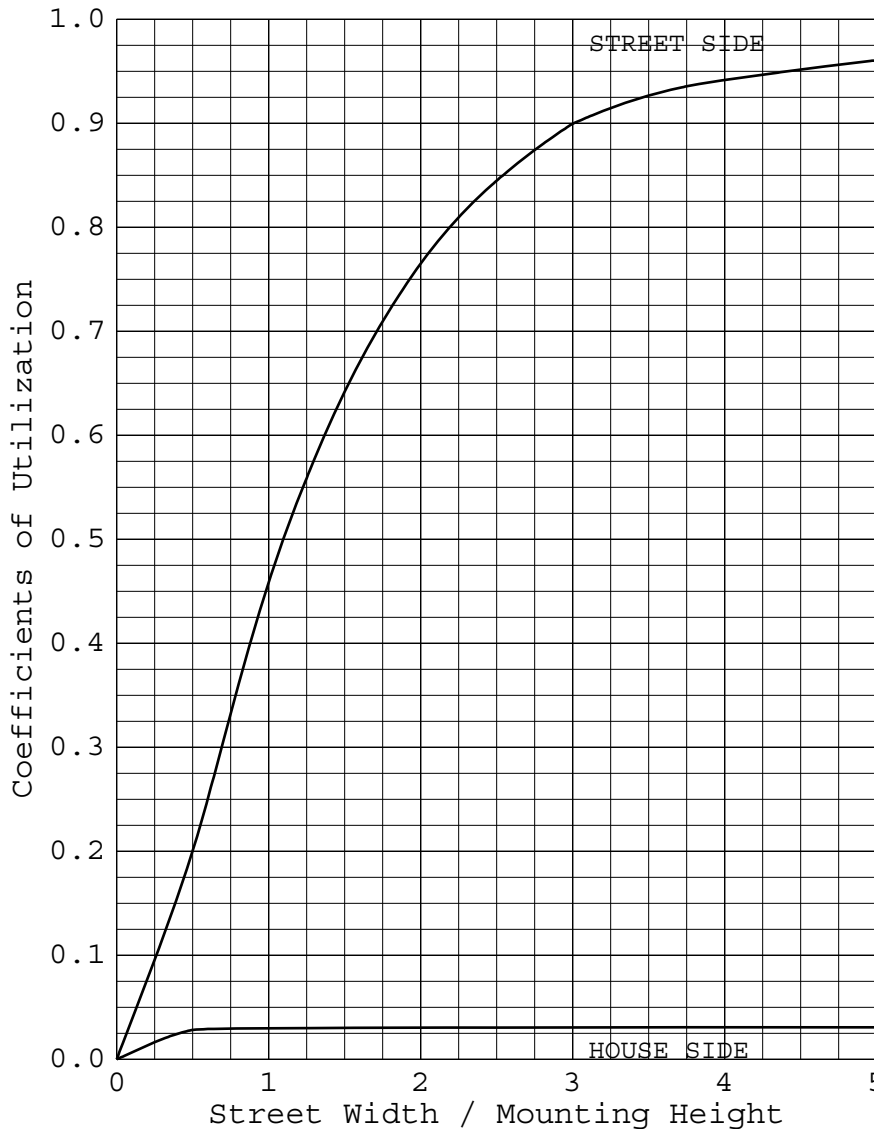
PAGE: 4 OF 10

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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	13914	96.8
DOWNWARD HOUSE SIDE	457	3.2
DOWNWARD TOTAL	14370	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	14370	100.0

EFFICACY = 136.0 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 RAB04284

PAGE: 5 OF 10

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BUG Rating			B1 U0 G3		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	13914			
FM	(30° – 60°)	1693.1			
FH	(60° – 80°)	6753.9			
FVH	(80° – 90°)	5327.9			G3
		138.6			G2
Backward					
BL	(0° – 30°)	457			
BM	(30° – 60°)	245.4	B1		
BH	(60° – 80°)	163.7	B0		
BVH	(80° – 90°)	41.1	B0		G0
		6.6			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		14370			
		100.0			

REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 6 OF 10

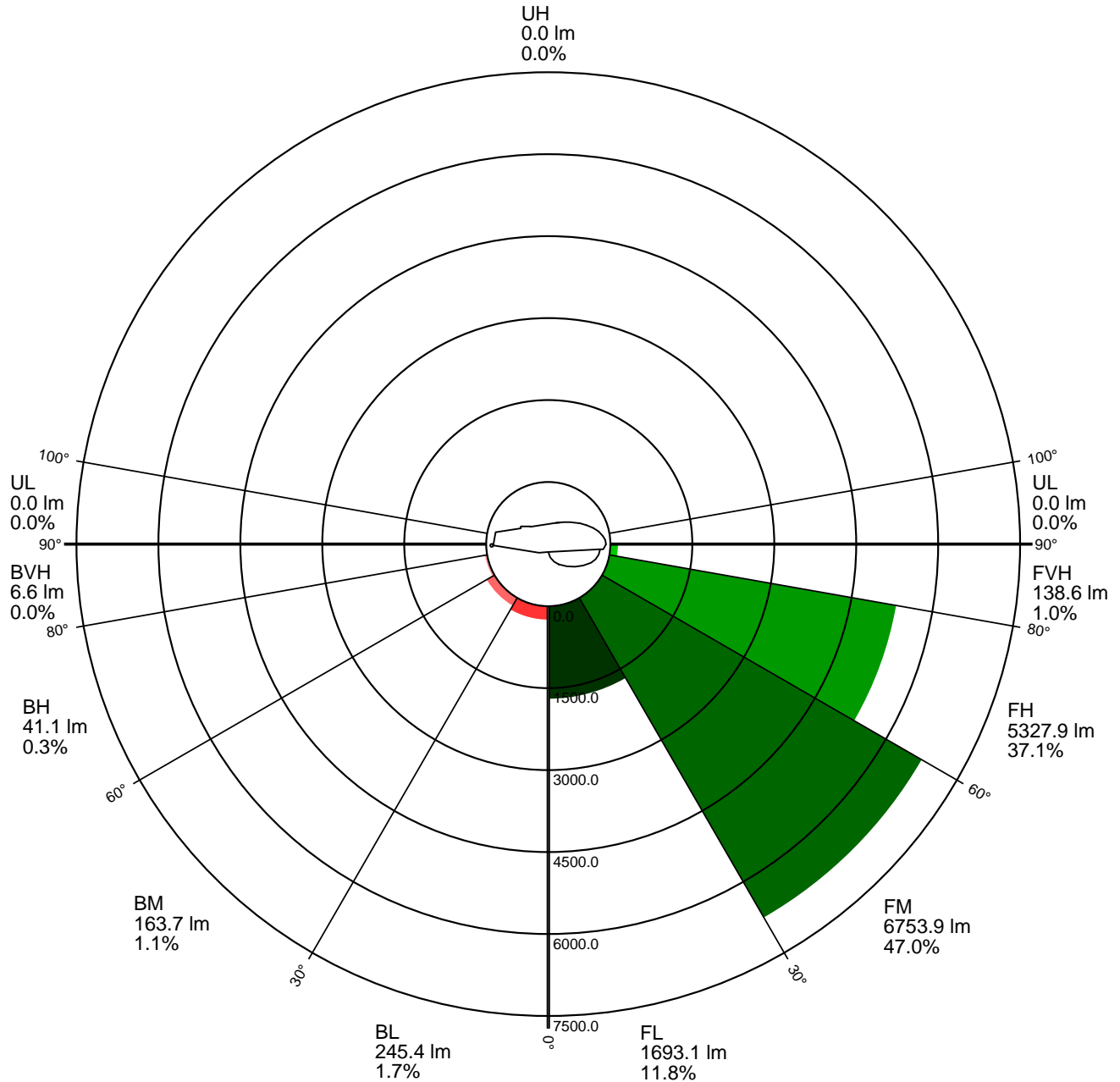
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Zonal Lumen Summary

(Linear scale)



REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 7 OF 10

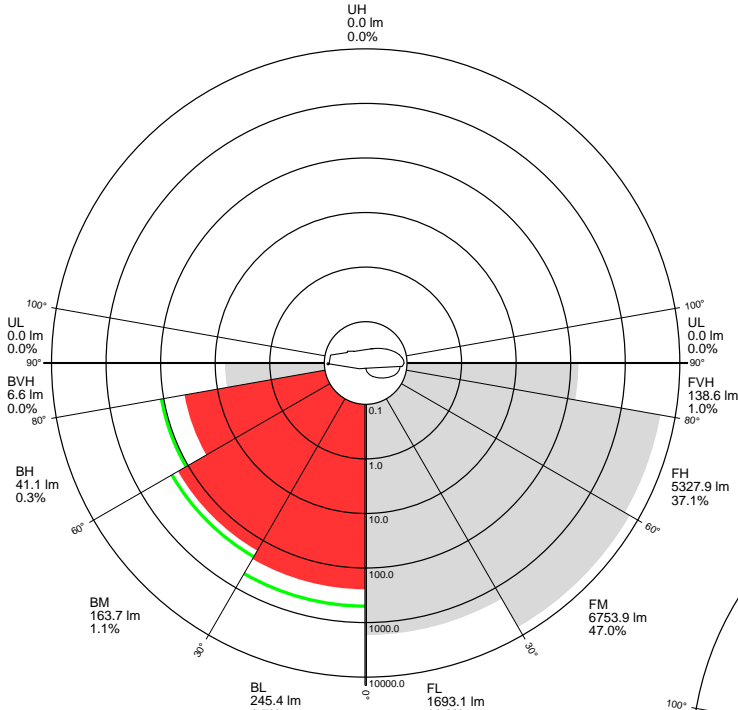
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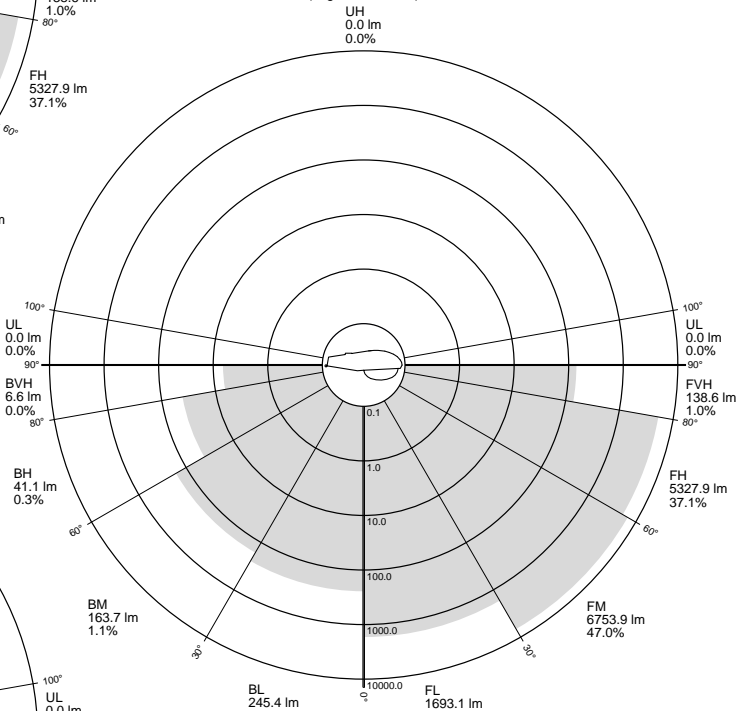
Backlight Rating Details

(Logarithmic scale)



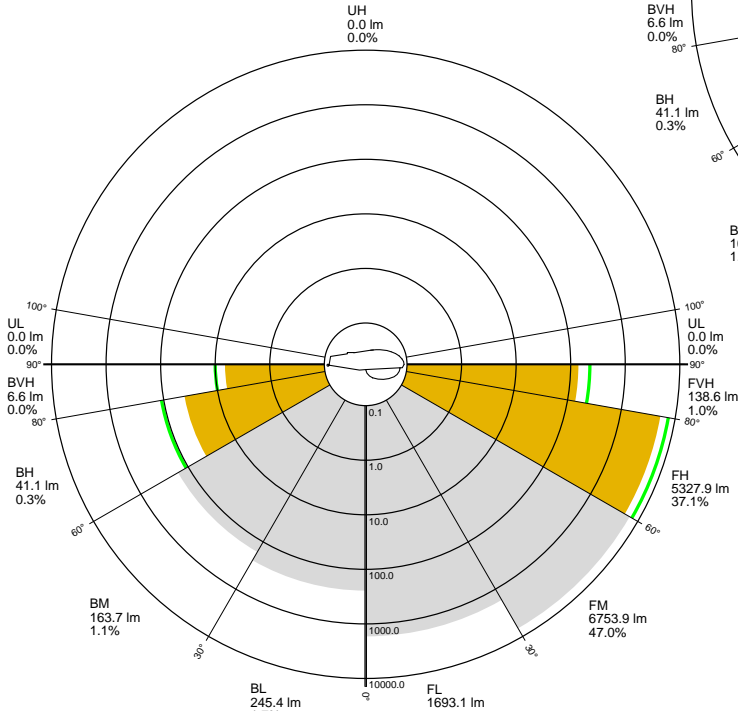
Uplight Rating Details

(Logarithmic scale)



Glare Rating Details

(Logarithmic scale)



REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 8 OF 10

ISSUE DATE: 05/8/18

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CANDELA TABULATION

	STREET	SIDE		LATERAL ANGLE								
		0.0	2.5	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	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	17.	19.	22.	20.	23.	14.	17.	17.	17.	17.	18.
	85.0	49.	49.	50.	95.	194.	127.	97.	61.	71.	31.	20.
V	82.5	136.	145.	159.	269.	534.	532.	572.	362.	246.	91.	39.
E	80.0	1354.	1386.	1449.	1619.	2135.	1705.	1485.	1227.	876.	386.	147.
R	77.5	3546.	3519.	3549.	3907.	4144.	3639.	2880.	2107.	1299.	635.	266.
T	75.0	5744.	5678.	5731.	6062.	6448.	5942.	4804.	2962.	1817.	879.	388.
I	72.5	8396.	8321.	8270.	8840.	9212.	7624.	5653.	3784.	2321.	1291.	611.
C	70.0	<11382.	11292.	11135.	10780.	9719.	8139.	6100.	4581.	3280.	1963.	907.
A	67.5	10729.	10568.	10360.	10250.	9462.	8600.	6672.	5097.	4016.	2604.	1315.
L	65.0	10649.	10442.	10174.	10372.	9585.	8806.	6955.	5558.	4320.	3094.	1591.
	62.5	10949.	10701.	10282.	10360.	9659.	9039.	7535.	5485.	4420.	3356.	1594.
A	60.0	10931.	10632.	10111.	9950.	9421.	9015.	7895.	5902.	4370.	3325.	1475.
N	57.5	10292.	10042.	9449.	9146.	8778.	7971.	7754.	6480.	4388.	3109.	1455.
G	55.0	9302.	9064.	8643.	8429.	7927.	7617.	7820.	6549.	4428.	2956.	1473.
L	52.5	8750.	8610.	8301.	7939.	7888.	7596.	7371.	6068.	4268.	2818.	1503.
E	50.0	9282.	9156.	8993.	8705.	8317.	7379.	7081.	5675.	4142.	2815.	1571.
	47.5	10092.	9970.	9714.	8884.	8384.	7702.	6586.	5264.	4003.	2818.	1563.
	45.0	9862.	9790.	9609.	8807.	8513.	7534.	5993.	4883.	3875.	2765.	1619.
	42.5	9809.	9753.	9619.	9069.	8361.	6858.	5681.	4723.	3798.	2729.	1717.
	40.0	9783.	9713.	9589.	9019.	7670.	6445.	5527.	4724.	3778.	2647.	1745.
	37.5	9071.	8971.	8854.	8220.	7053.	6162.	5386.	4653.	3773.	2704.	1786.
	35.0	8360.	8254.	8104.	7431.	6656.	5876.	5292.	4557.	3657.	2737.	1917.
	32.5	7725.	7664.	7555.	6917.	6278.	5645.	5088.	4468.	3584.	2720.	1988.
	30.0	7281.	7235.	7153.	6494.	6030.	5436.	4867.	4270.	3554.	2723.	2070.
	25.0	6607.	6575.	6526.	5974.	5517.	5006.	4502.	4012.	3415.	2726.	2180.
	20.0	5876.	5842.	5822.	5523.	5070.	4665.	4233.	3738.	3172.	2666.	2158.
	15.0	5027.	5021.	4981.	4833.	4506.	4148.	3767.	3382.	2972.	2691.	2193.
	10.0	4051.	4047.	4032.	3922.	3717.	3486.	3237.	3048.	2831.	2559.	2183.
	5.0	3105.	3123.	3097.	3049.	2992.	2925.	2831.	2700.	2528.	2360.	2172.
	0.0	2142.	2142.	2142.	2142.	2142.	2142.	2142.	2142.	2142.	2142.	2142.

||
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	18.	18.	17.	17.	16.	14.	13.	11.	10.	10. 9.
	85.0	19.	19.	17.	17.	15.	14.	13.	11.	8.	8. 8.
V	82.5	28.	22.	18.	17.	15.	14.	12.	10.	7.	6. 6.
E	80.0	61.	25.	20.	17.	15.	14.	11.	9.	6.	5. 5.
R	77.5	98.	41.	23.	17.	15.	13.	11.	8.	6.	5. 5.
T	75.0	198.	55.	23.	19.	15.	13.	11.	8.	5.	4. 4.
I	72.5	307.	90.	24.	20.	15.	13.	11.	8.	5.	4. 4.
C	70.0<<	484.	173.	27.	20.	15.	13.	11.	8.	5.	4. 4.
A	67.5	730.	216.	36.	20.	19.	13.	11.	8.	6.	4. 4.
L	65.0	879.	257.	47.	22.	18.	14.	11.	8.	6.	4. 5.
	62.5	916.	298.	53.	22.	18.	15.	12.	8.	6.	5. 5.
A	60.0	918.	365.	51.	36.	18.	15.	15.	10.	6.	5. 5.
N	57.5	1064.	424.	71.	43.	18.	15.	14.	15.	10.	8. 8.
G	55.0	1136.	501.	98.	41.	20.	17.	14.	14.	15.	13. 14.
L	52.5	1114.	566.	143.	39.	26.	19.	18.	14.	14.	14. 14.
E	50.0	1083.	565.	184.	43.	31.	20.	20.	21.	16.	14. 14.
	47.5	1063.	579.	200.	55.	40.	22.	16.	19.	16.	15. 14.
	45.0	1095.	642.	257.	69.	47.	24.	21.	14.	14.	13. 14.
	42.5	1194.	727.	313.	74.	51.	36.	21.	15.	14.	13. 14.
	40.0	1260.	794.	312.	99.	49.	46.	27.	20.	15.	14. 15.
	37.5	1289.	875.	336.	153.	49.	46.	43.	30.	21.	17. 19.
	35.0	1393.	952.	377.	230.	53.	46.	60.	50.	35.	29. 32.
	32.5	1472.	1002.	438.	278.	69.	52.	57.	61.	53.	49. 55.
	30.0	1569.	1108.	534.	304.	129.	60.	55.	53.	55.	57. 65.
	25.0	1724.	1296.	777.	433.	329.	144.	67.	53.	52.	54. 57.
	20.0	1774.	1407.	970.	588.	417.	317.	232.	139.	97.	86. 89.
	15.0	1890.	1592.	1253.	840.	593.	447.	393.	341.	318.	293. 301.
	10.0	1995.	1797.	1453.	1279.	1010.	812.	715.	631.	598.	575. 592.
	5.0	2070.	1976.	1803.	1650.	1531.	1430.	1397.	1348.	1313.	1261. 1322.
	0.0	2142.	2142.	2142.	2142.	2142.	2142.	2142.	2142.	2142.	2142. 2142.

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 10 OF 10

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	51
5- 10	150
10- 15	256
15- 20	370
20- 25	491
25- 30	620
30- 35	760
35- 40	932
40- 45	1106
45- 50	1248
50- 55	1341
55- 60	1529
60- 65	1674
65- 70	1656
70- 75	1362
75- 80	678
80- 85	134
85- 90	11
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	201
0- 20	827
0- 30	1938
0- 40	3631
0- 50	5986
0- 60	8856
0- 70	12185
0- 80	14225
0- 90	14370
0-100	14370
0-110	14370
0-120	14370
0-130	14370
0-140	14370
0-150	14370
0-160	14370
0-170	14370
0-180	14370