

REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 1 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC. RC LIGHTING

CATALOG NUMBER: ALED4T125N - RWLED4T125N - RWLED4T125SFN - WPLED4T125N (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.

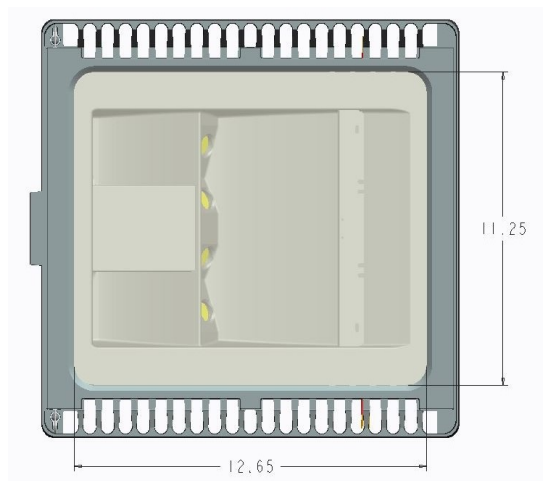
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04284 WHICH WAS ALED4T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 132.6 W AT 120.0 VAC.

LED DRIVER: LED DRIVER: RDD-160

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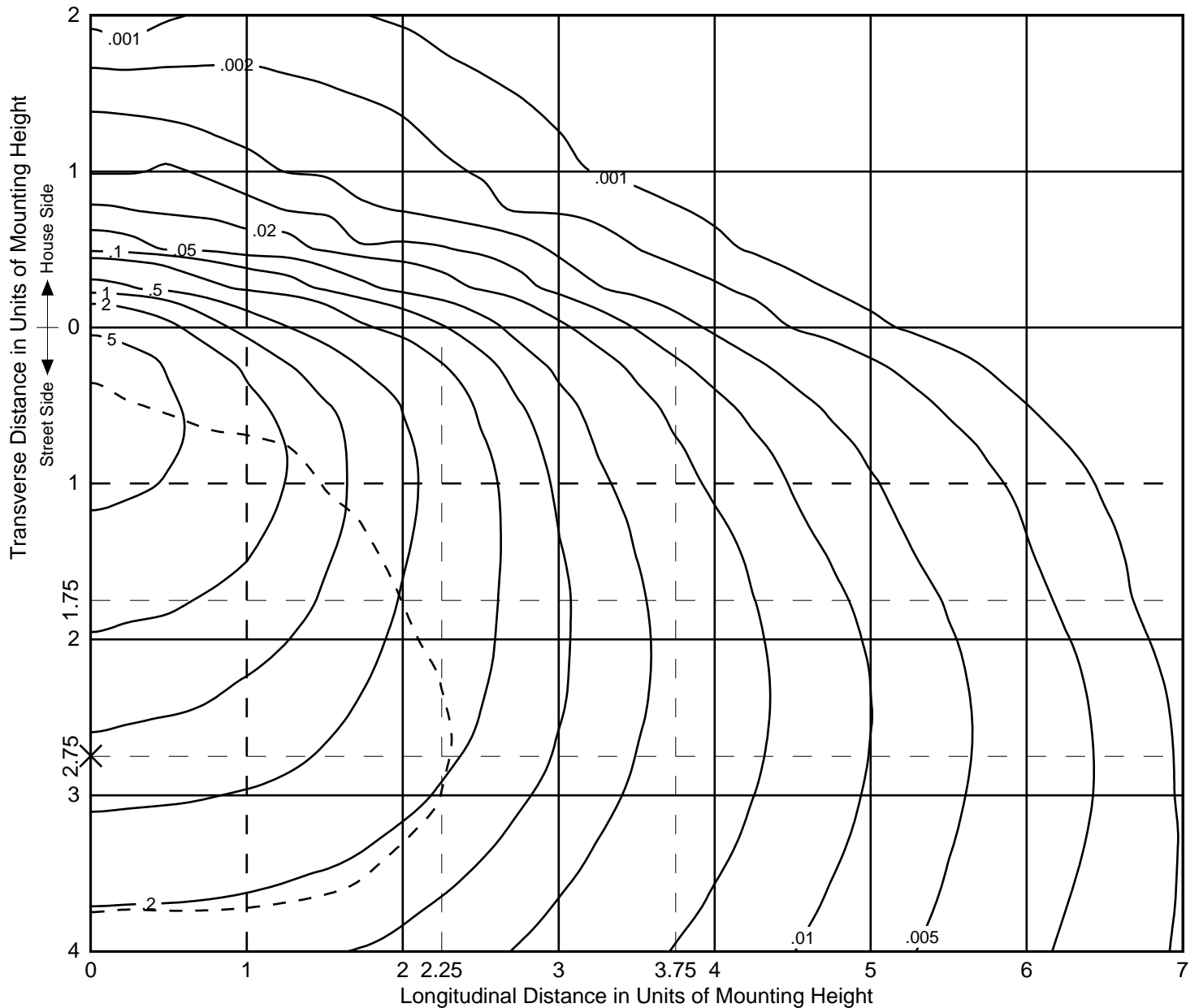
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 25-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — — 1/2 Maximum Candela trace

× Maximum Candela point



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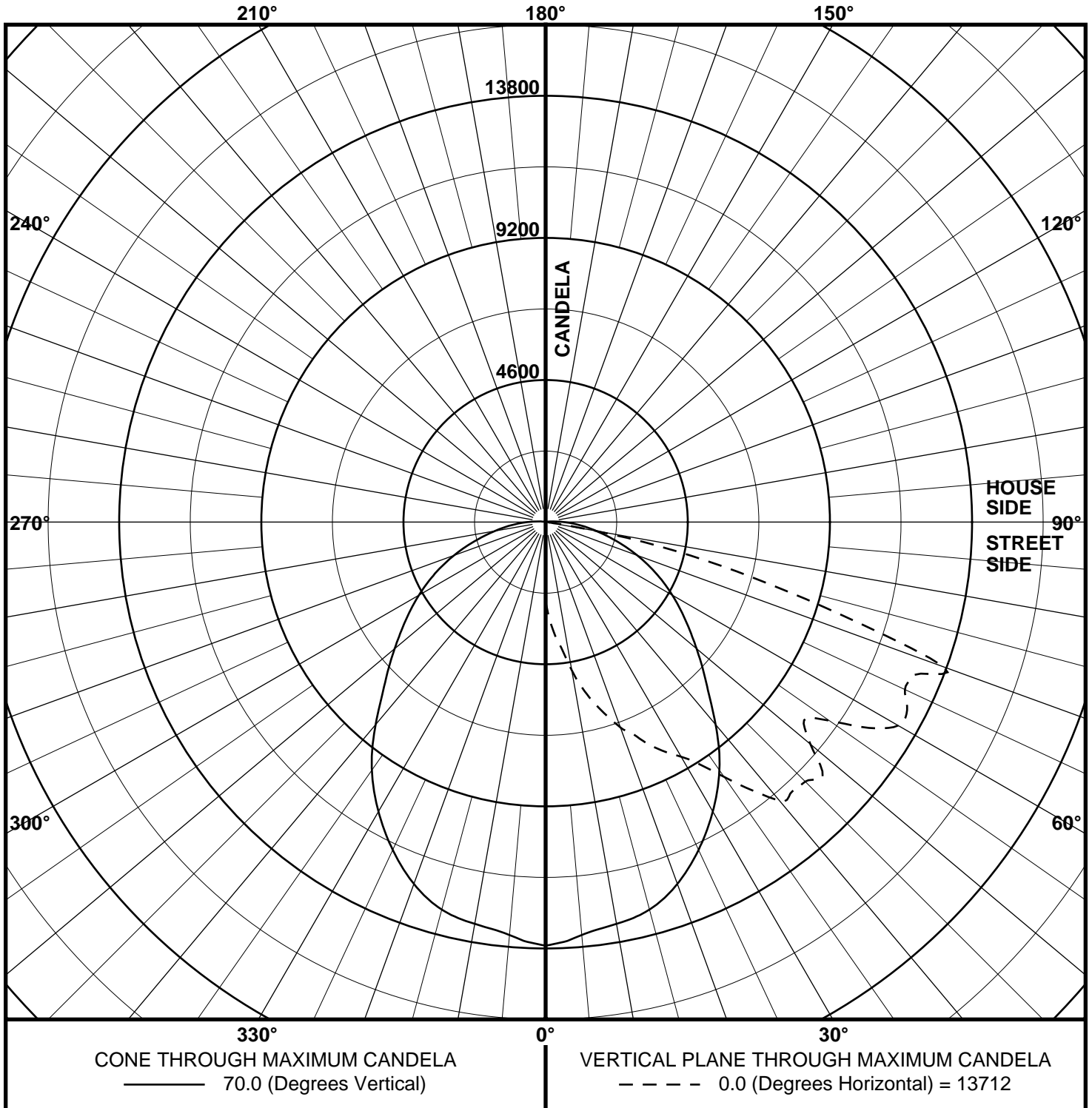
PAGE: 3 OF 10

ISSUE DATE: 05/8/18

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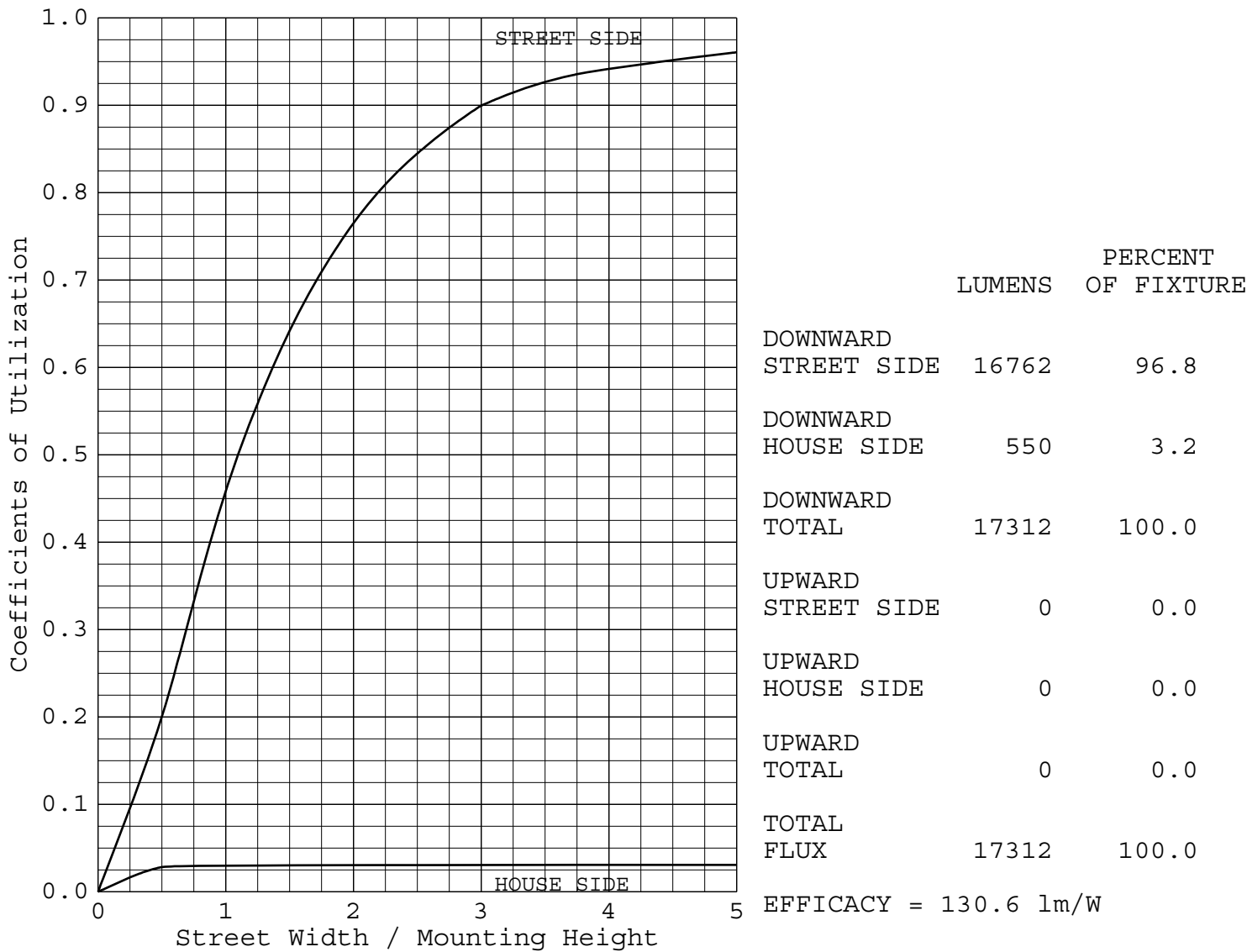
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



REPORT NUMBER: PRORATED FROM RAB04284 **PAGE:** 4 OF 10
ISSUE DATE: 05/8/18
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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.

REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 5 OF 10

ISSUE DATE: 05/8/18

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BUG Rating				B1	U0	G3
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		16762	96.8			
FL	(0° – 30°)	2039.8	11.8			
FM	(30° – 60°)	8136.6	47.0			
FH	(60° – 80°)	6418.7	37.1			G3
FVH	(80° – 90°)	167.0	1.0			G2
Backward		550	3.2			
BL	(0° – 30°)	295.6	1.7	B1		
BM	(30° – 60°)	197.2	1.1	B0		
BH	(60° – 80°)	49.5	0.3	B0		G0
BVH	(80° – 90°)	8.0	0.0			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		17312	100.0			

REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 6 OF 10

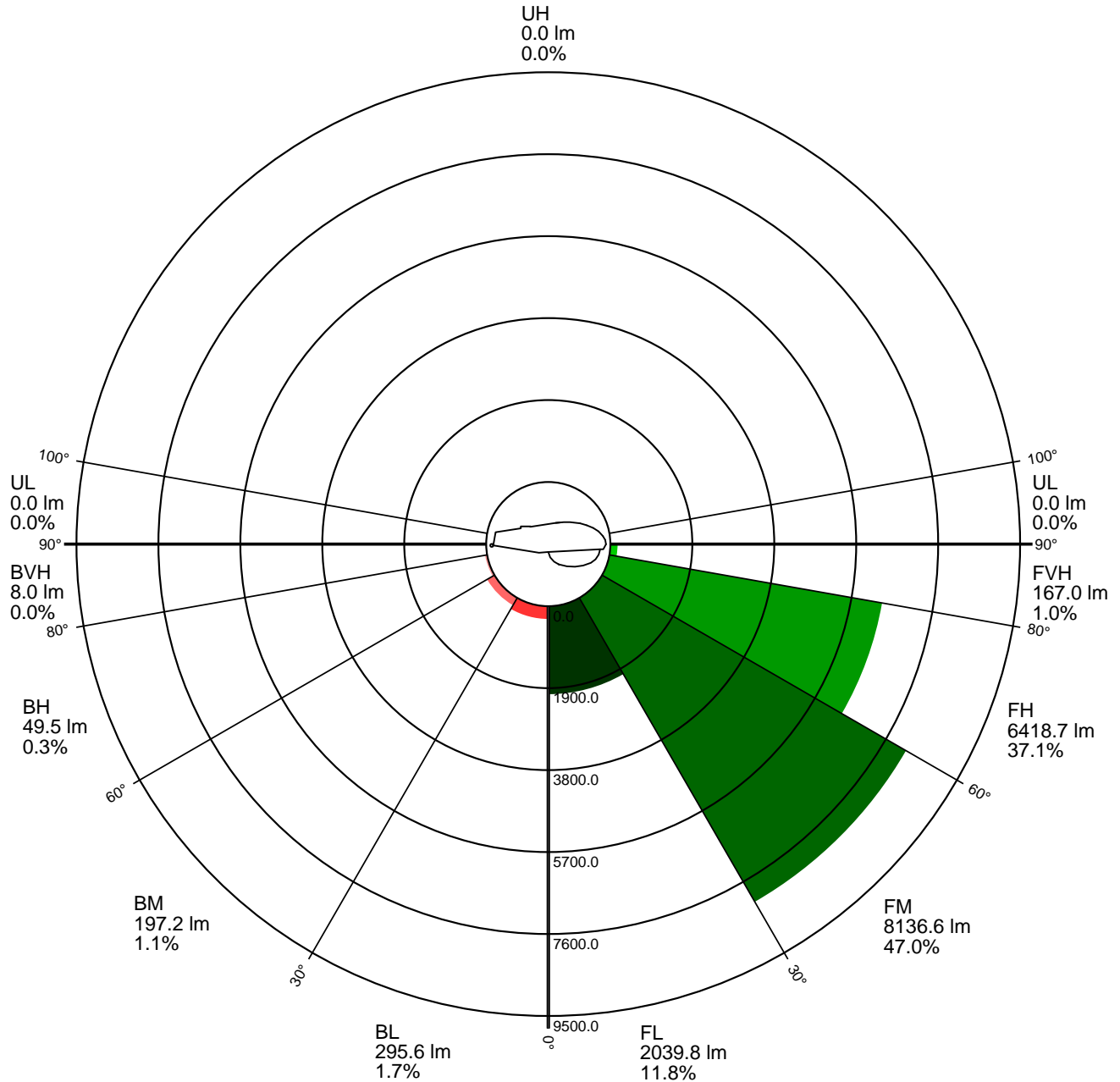
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Zonal Lumen Summary

(Linear scale)



REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 7 OF 10

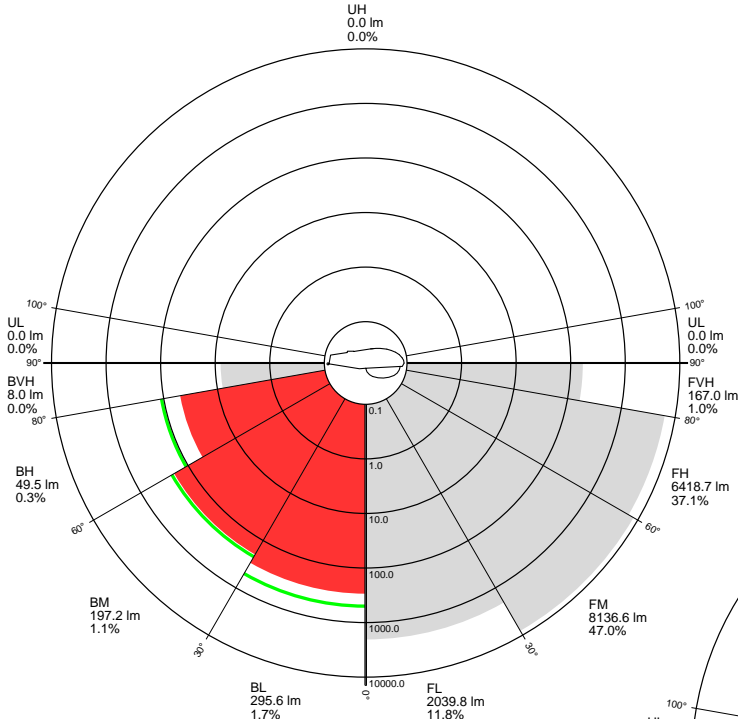
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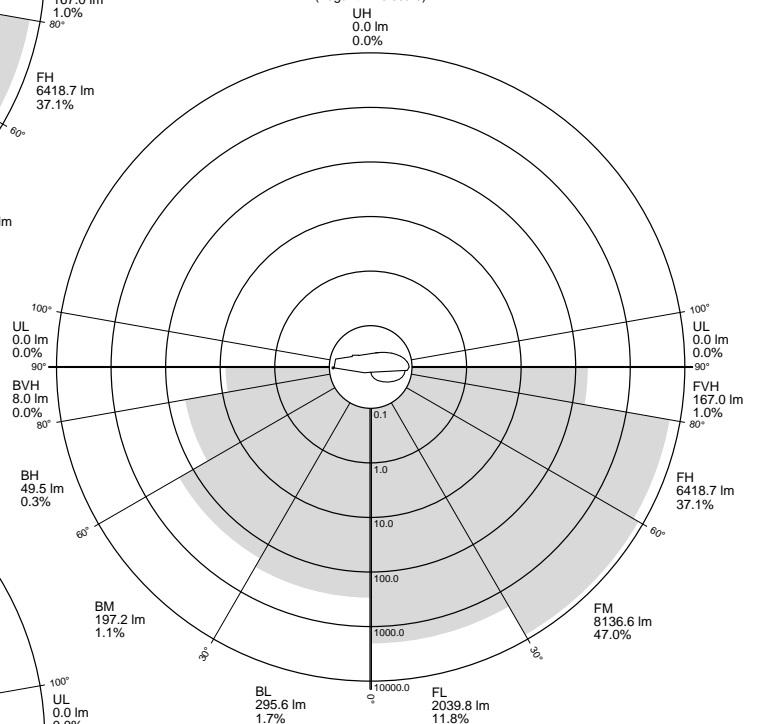
Backlight Rating Details

(Logarithmic scale)



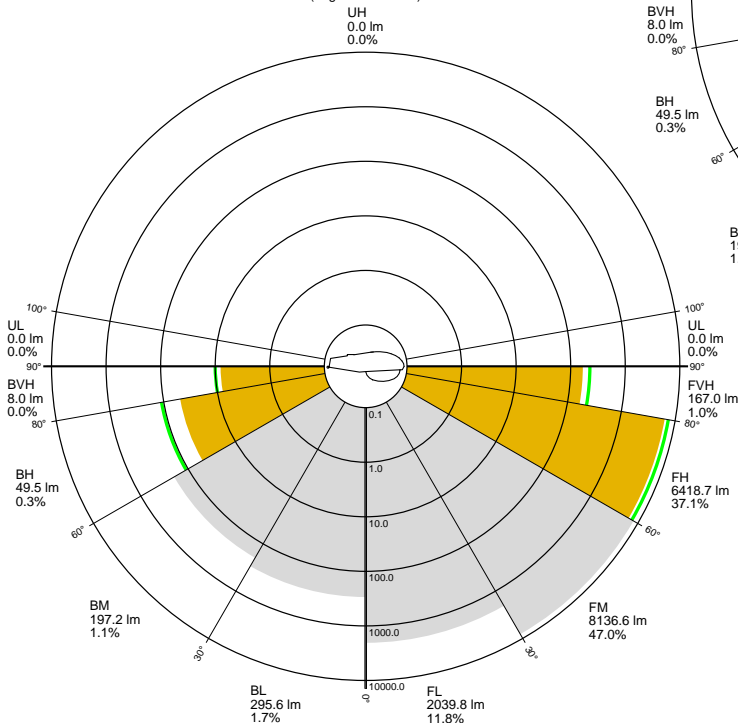
Uplight Rating Details

(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	20.	23.	27.	25.	27.	16.	20.	21.	21.	21.	22.	
85.0	59.	59.	60.	114.	233.	153.	117.	74.	86.	38.	24.	
V 82.5	164.	175.	191.	324.	643.	641.	689.	436.	296.	110.	47.	
E 80.0	1631.	1670.	1746.	1951.	2572.	2054.	1789.	1478.	1056.	466.	177.	
R 77.5	4272.	4240.	4276.	4707.	4992.	4384.	3469.	2538.	1565.	765.	320.	
T 75.0	6920.	6840.	6904.	7303.	7768.	7158.	5788.	3568.	2189.	1059.	467.	
I 72.5	10114.	10025.	9964.	10650.	11098.	9185.	6811.	4559.	2796.	1555.	736.	
C 70.0<	13712.	13604.	13415.	12987.	11709.	9805.	7349.	5519.	3951.	2365.	1092.	
A 67.5	12925.	12731.	12482.	12348.	11399.	10360.	8038.	6141.	4838.	3137.	1584.	
L 65.0	12829.	12580.	12257.	12495.	11547.	10608.	8379.	6696.	5204.	3727.	1916.	
62.5	13190.	12892.	12386.	12482.	11636.	10889.	9077.	6609.	5325.	4043.	1920.	
A 60.0	13169.	12808.	12182.	11987.	11349.	10861.	9512.	7110.	5265.	4005.	1777.	
N 57.5	12399.	12098.	11383.	11018.	10575.	9603.	9342.	7807.	5286.	3746.	1753.	
G 55.0	11207.	10920.	10413.	10155.	9550.	9177.	9421.	7890.	5334.	3562.	1774.	
L 52.5	10542.	10373.	10001.	9565.	9503.	9151.	8880.	7310.	5141.	3394.	1810.	
E 50.0	11182.	11030.	10834.	10488.	10019.	8890.	8531.	6836.	4990.	3392.	1892.	
47.5	12159.	12011.	11702.	10703.	10101.	9278.	7934.	6341.	4822.	3395.	1883.	
45.0	11882.	11794.	11576.	10610.	10256.	9076.	7220.	5882.	4668.	3331.	1950.	
42.5	11818.	11750.	11588.	10926.	10072.	8262.	6844.	5690.	4576.	3287.	2069.	
40.0	11786.	11701.	11552.	10865.	9240.	7765.	6659.	5691.	4551.	3189.	2103.	
37.5	10928.	10808.	10667.	9903.	8497.	7423.	6489.	5606.	4545.	3258.	2151.	
35.0	10071.	9944.	9763.	8953.	8019.	7079.	6375.	5490.	4406.	3297.	2310.	
32.5	9307.	9234.	9102.	8334.	7563.	6801.	6129.	5383.	4317.	3277.	2396.	
30.0	8772.	8716.	8617.	7824.	7264.	6549.	5864.	5144.	4282.	3280.	2494.	
25.0	7959.	7921.	7863.	7197.	6646.	6030.	5424.	4833.	4114.	3285.	2626.	
20.0	7079.	7038.	7014.	6654.	6108.	5621.	5100.	4504.	3822.	3212.	2600.	
15.0	6056.	6049.	6001.	5823.	5429.	4998.	4539.	4074.	3580.	3243.	2642.	
10.0	4880.	4875.	4857.	4725.	4478.	4199.	3900.	3672.	3411.	3083.	2630.	
5.0	3741.	3763.	3731.	3673.	3605.	3523.	3411.	3253.	3046.	2844.	2617.	
0.0	2580.	2580.	2580.	2580.	2580.	2580.	2580.	2580.	2580.	2580.	2580.	

||
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
VERTICAL ANGLE	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	22.	22.	21.	20.	19.	17.	16.	14.	12.	12.	11.
	85.0	23.	23.	21.	20.	18.	17.	16.	13.	10.	9.	9.
	82.5	34.	27.	22.	20.	18.	16.	15.	12.	8.	7.	7.
	80.0	73.	30.	25.	20.	18.	16.	14.	11.	7.	6.	6.
	77.5	118.	49.	27.	21.	18.	16.	14.	10.	7.	5.	5.
	75.0	239.	66.	27.	23.	18.	16.	13.	10.	6.	5.	5.
	72.5	370.	108.	28.	24.	18.	16.	13.	10.	6.	5.	5.
	70.0<<	584.	209.	33.	25.	18.	16.	13.	10.	6.	5.	5.
	67.5	880.	261.	43.	25.	23.	16.	13.	10.	7.	5.	5.
	65.0	1059.	310.	57.	27.	22.	17.	13.	10.	7.	5.	5.
	62.5	1104.	359.	64.	27.	22.	18.	15.	10.	7.	5.	6.
	60.0	1106.	440.	61.	43.	22.	18.	18.	12.	7.	5.	6.
	57.5	1282.	510.	86.	51.	22.	18.	16.	18.	12.	9.	9.
	55.0	1368.	604.	118.	49.	25.	20.	17.	17.	18.	16.	16.
	52.5	1342.	682.	172.	48.	31.	23.	22.	16.	16.	16.	17.
	50.0	1304.	681.	221.	52.	38.	24.	25.	26.	19.	17.	17.
	47.5	1281.	697.	241.	67.	48.	27.	19.	23.	19.	18.	17.
	45.0	1319.	774.	309.	83.	57.	29.	26.	16.	16.	16.	16.
	42.5	1438.	876.	377.	89.	61.	43.	26.	18.	16.	16.	16.
	40.0	1517.	957.	376.	119.	59.	56.	32.	25.	18.	17.	18.
	37.5	1553.	1055.	404.	185.	59.	56.	52.	37.	26.	21.	23.
35.0	1678.	1147.	454.	277.	64.	55.	72.	60.	42.	35.	38.	
32.5	1774.	1207.	528.	335.	83.	63.	69.	73.	64.	59.	66.	
30.0	1890.	1335.	643.	367.	155.	72.	66.	64.	67.	69.	79.	
25.0	2077.	1561.	936.	521.	396.	174.	80.	64.	62.	65.	69.	
20.0	2137.	1695.	1168.	708.	502.	381.	279.	167.	117.	103.	107.	
15.0	2278.	1918.	1510.	1013.	714.	539.	473.	411.	383.	353.	363.	
10.0	2403.	2165.	1751.	1541.	1217.	978.	862.	760.	721.	692.	713.	
5.0	2494.	2380.	2172.	1988.	1844.	1722.	1683.	1624.	1582.	1519.	1592.	
0.0	2580.	2580.	2580.	2580.	2580.	2580.	2580.	2580.	2580.	2580.	2580.	

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	61
5- 10	181
10- 15	308
15- 20	446
20- 25	592
25- 30	747
30- 35	916
35- 40	1123
40- 45	1333
45- 50	1504
50- 55	1616
55- 60	1841
60- 65	2016
65- 70	1995
70- 75	1640
75- 80	817
80- 85	162
85- 90	13
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	243
0- 20	996
0- 30	2335
0- 40	4375
0- 50	7212
0- 60	10669
0- 70	14680
0- 80	17137
0- 90	17312
0-100	17312
0-110	17312
0-120	17312
0-130	17312
0-140	17312
0-150	17312
0-160	17312
0-170	17312
0-180	17312