

REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 1 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T50Y - RWLED4T50Y - RWLED4T50SFY - WPLED4T50Y (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.

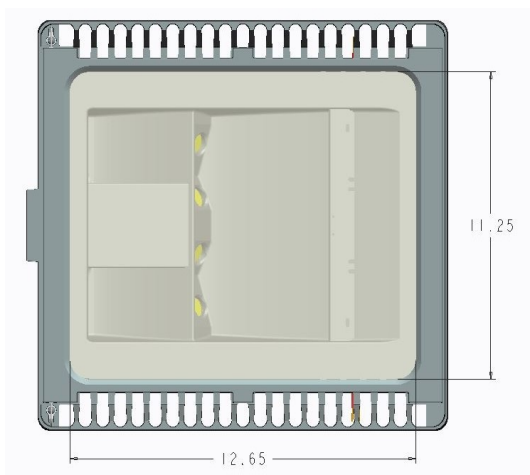
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04284 WHICH WAS ALED4T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 51.4 W AT 277.0 VAC.

LED DRIVER: LED DRIVER: RD-052-A1400-R

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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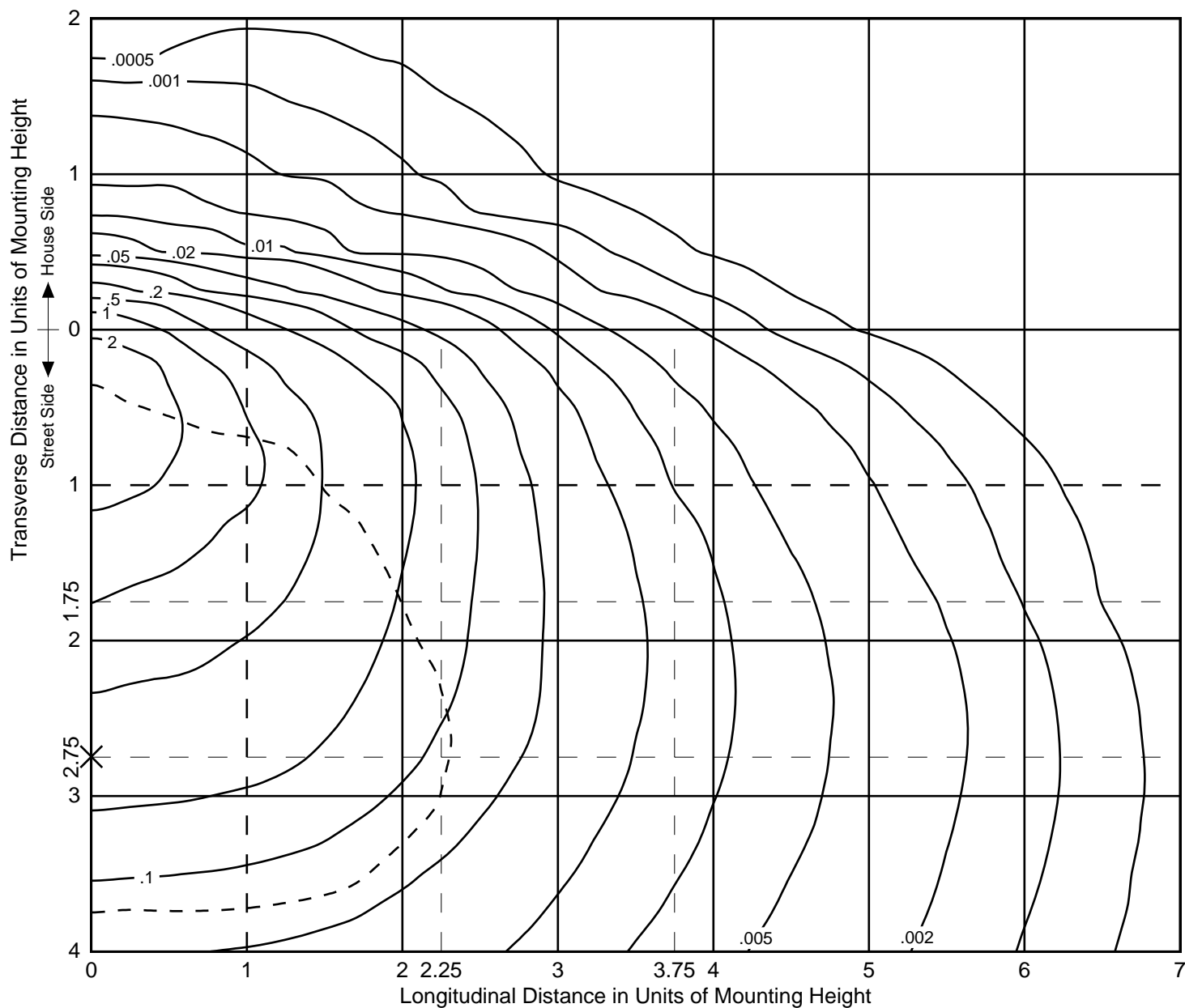
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IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — - 1/2 Maximum Candela trace

✕ Maximum Candela point



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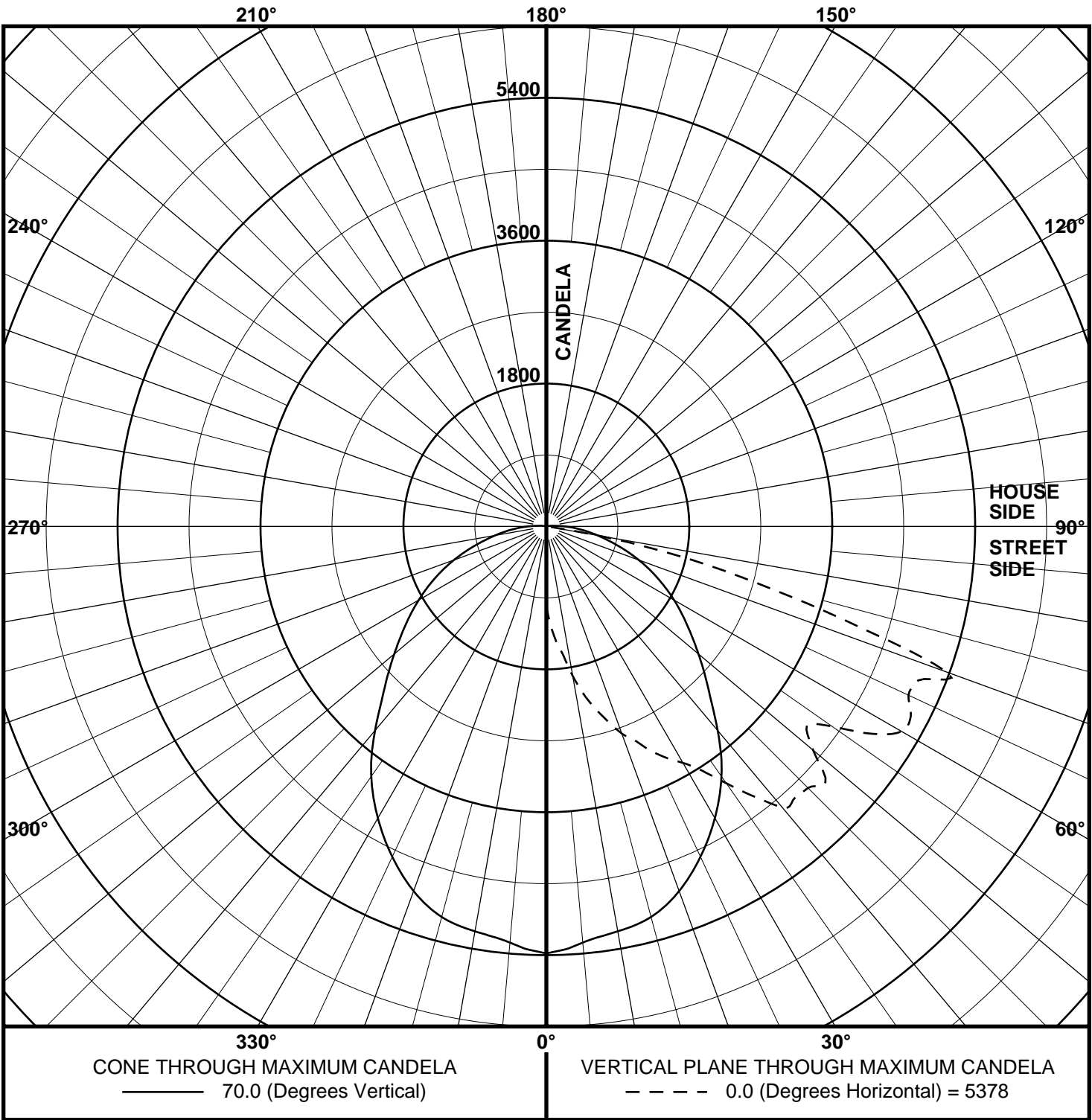
PAGE: 3 OF 10

ISSUE DATE: 05/8/18

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CATALOG NUMBER: ALED4T50Y - RWLED4T50Y - RWLED4T50SFY - WPLED4T50Y (TYPE IV)

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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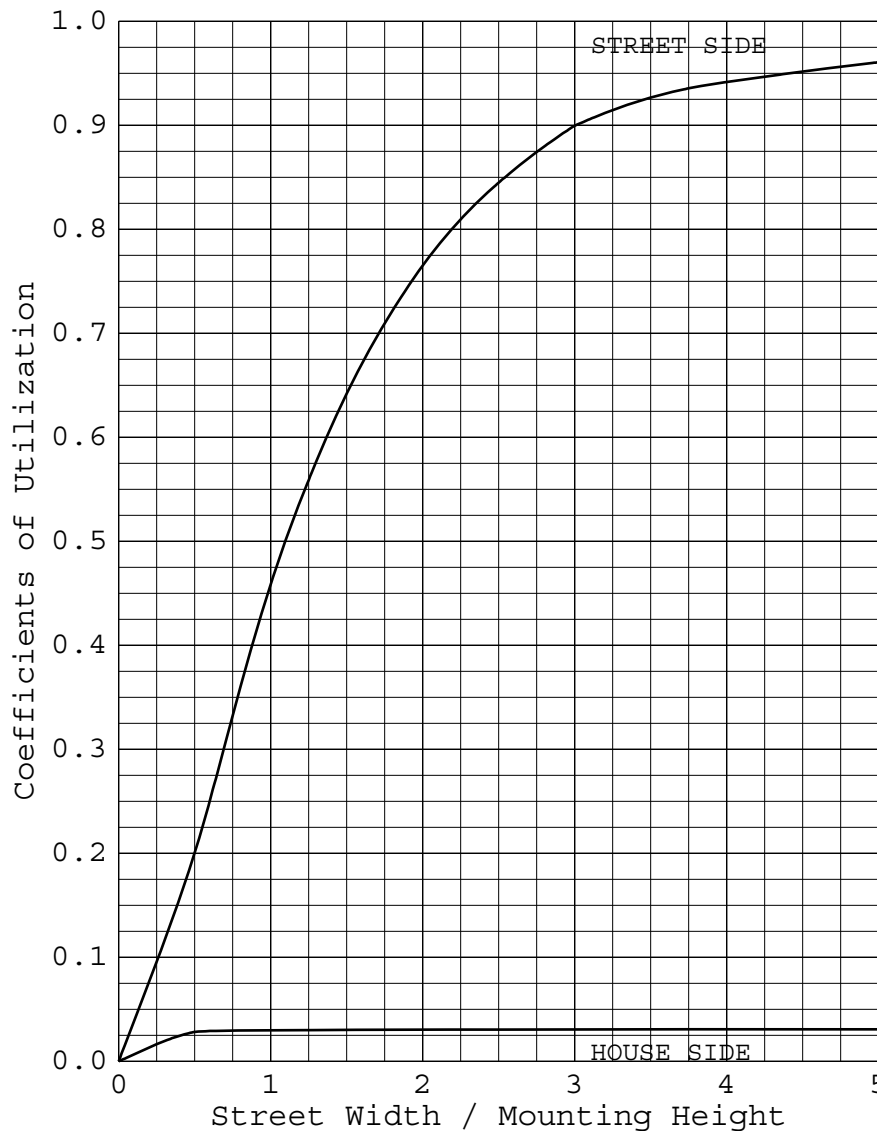
PAGE: 4 OF 10

ISSUE DATE: 05/8/18

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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	6574	96.8
DOWNWARD HOUSE SIDE	216	3.2
DOWNWARD TOTAL	6790	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	6790	100.0

EFFICACY = 132.1 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 G2		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	6574			
FM	(30° – 60°)	800.0			
FH	(60° – 80°)	3191.3			
FVH	(80° – 90°)	2517.5			G2
		65.5			G1
Backward					
BL	(0° – 30°)	216			
BM	(30° – 60°)	115.9	B1		
BH	(60° – 80°)	77.3	B0		
BVH	(80° – 90°)	19.4	B0		G0
		3.1			G0
Upward					
UL	(90° – 100°)	0		U0	
UH	(100° – 180°)	0.0		U0	
Trapped Light					
Total Flux					
		0			
		6790			
		100.0			

REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 6 OF 10

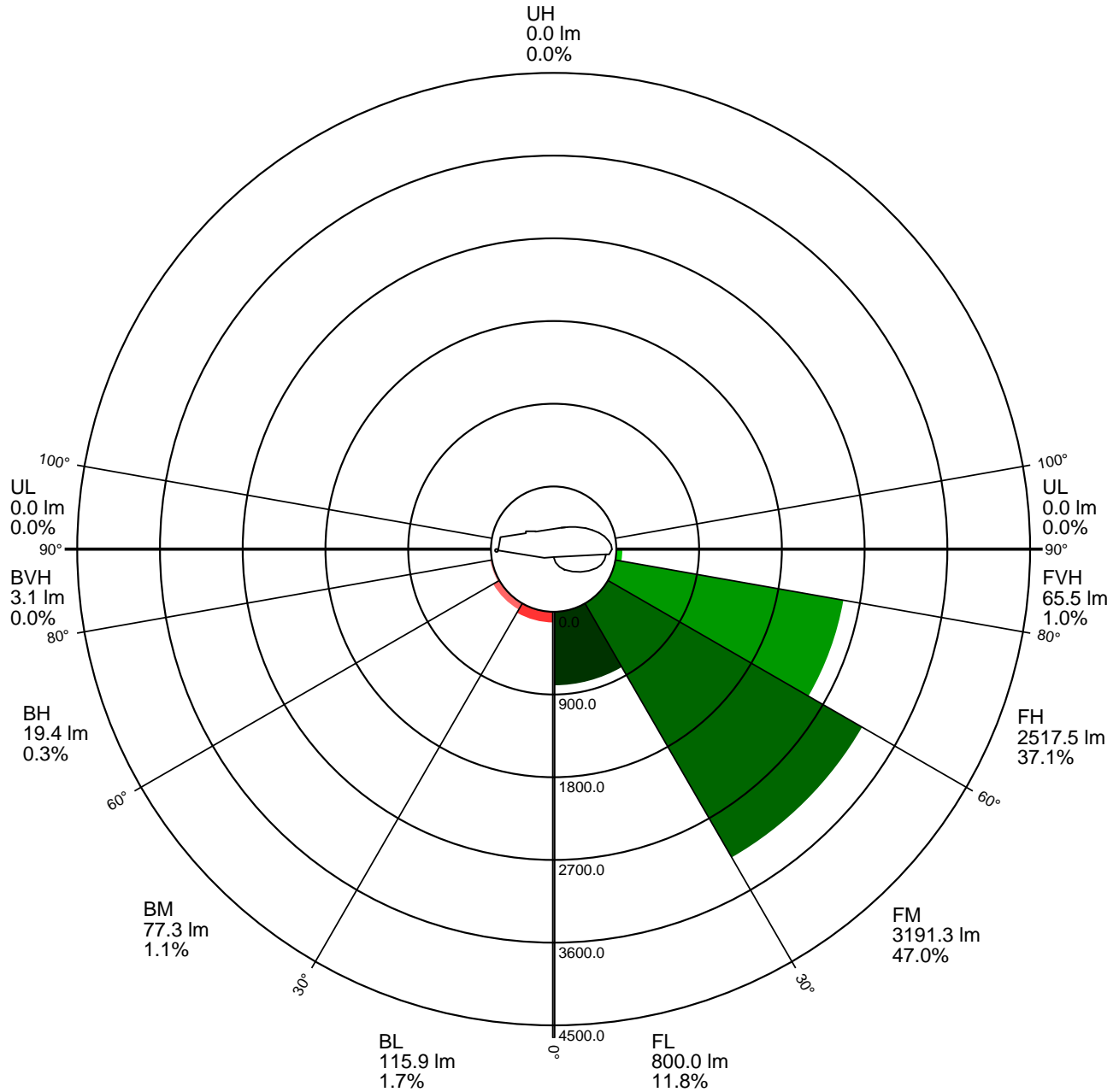
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Zonal Lumen Summary

(Linear scale)



REPORT NUMBER: PRORATED FROM RAB04284

PAGE: 7 OF 10

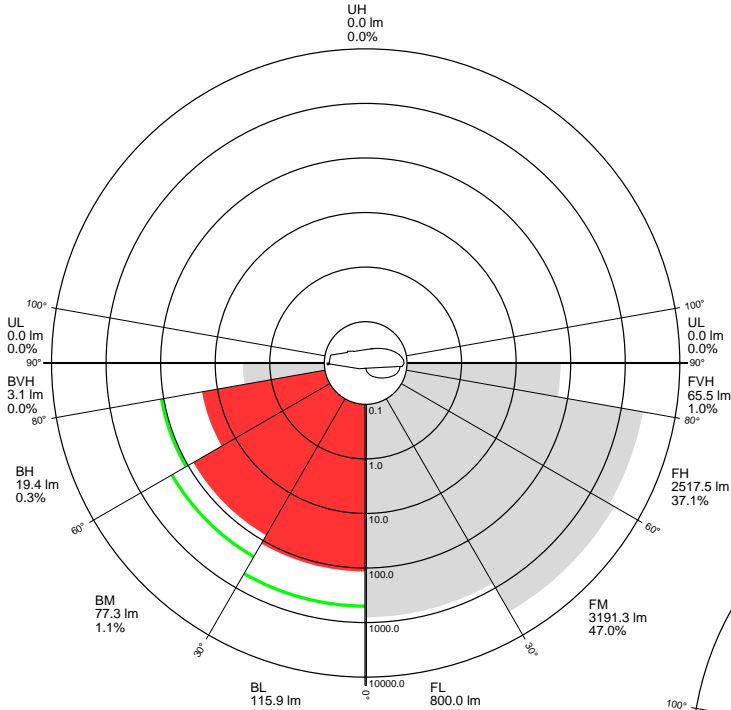
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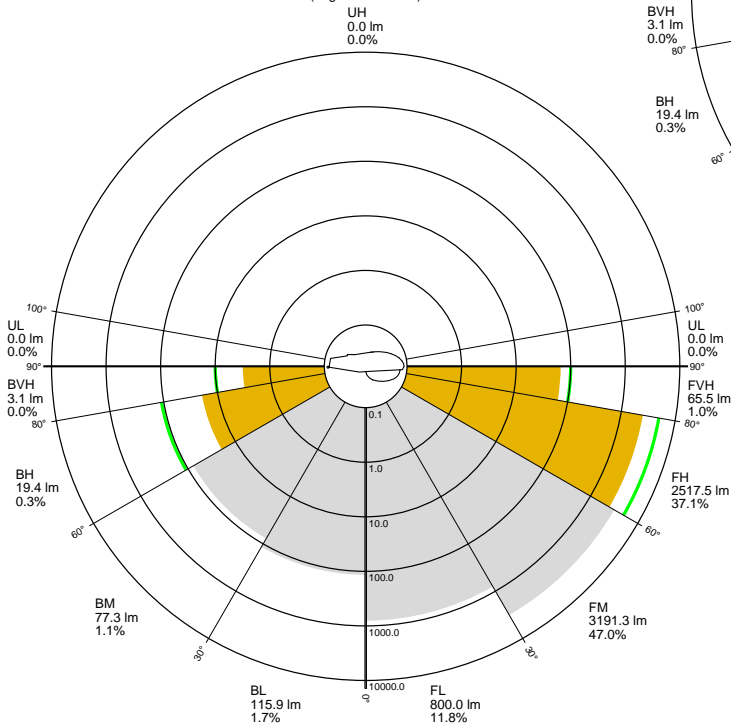
Backlight Rating Details

(Logarithmic scale)



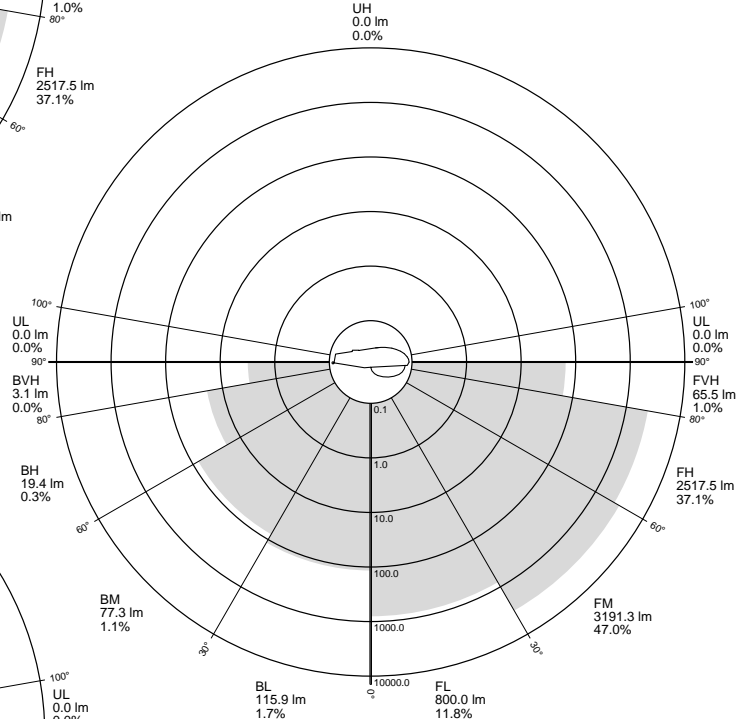
Glare Rating Details

(Logarithmic scale)



Uplight 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	8.	9.	10.	10.	11.	6.	8.	8.	8.	8.	9.
	85.0	23.	23.	24.	45.	91.	60.	46.	29.	34.	15.	9.
V	82.5	64.	69.	75.	127.	252.	251.	270.	171.	116.	43.	18.
E	80.0	640.	655.	685.	765.	1009.	806.	702.	580.	414.	183.	70.
R	77.5	1675.	1663.	1677.	1846.	1958.	1719.	1361.	996.	614.	300.	126.
T	75.0	2714.	2683.	2708.	2864.	3047.	2808.	2270.	1399.	858.	415.	183.
I	72.5	3967.	3932.	3908.	4177.	4353.	3603.	2671.	1788.	1097.	610.	289.
C	70.0<<	5378.	5336.	5261.	5094.	4592.	3846.	2883.	2165.	1550.	928.	428.
A	67.5	5069.	4993.	4895.	4843.	4471.	4064.	3153.	2409.	1897.	1231.	621.
L	65.0	5032.	4934.	4807.	4901.	4529.	4161.	3286.	2626.	2041.	1462.	752.
	62.5	5173.	5057.	4858.	4895.	4564.	4271.	3560.	2592.	2089.	1586.	753.
A	60.0	5165.	5024.	4778.	4701.	4451.	4260.	3731.	2789.	2065.	1571.	697.
N	57.5	4863.	4745.	4465.	4321.	4148.	3766.	3664.	3062.	2073.	1469.	688.
G	55.0	4395.	4283.	4084.	3983.	3746.	3599.	3695.	3095.	2092.	1397.	696.
L	52.5	4135.	4069.	3923.	3751.	3727.	3589.	3483.	2867.	2017.	1331.	710.
E	50.0	4386.	4326.	4249.	4113.	3930.	3487.	3346.	2681.	1957.	1330.	742.
	47.5	4769.	4711.	4590.	4198.	3962.	3639.	3112.	2487.	1891.	1332.	739.
	45.0	4660.	4626.	4540.	4161.	4023.	3560.	2832.	2307.	1831.	1307.	765.
	42.5	4635.	4608.	4545.	4285.	3951.	3241.	2685.	2232.	1795.	1289.	811.
	40.0	4622.	4589.	4531.	4262.	3624.	3045.	2612.	2232.	1785.	1251.	825.
	37.5	4286.	4239.	4184.	3884.	3333.	2912.	2545.	2199.	1783.	1278.	844.
	35.0	3950.	3900.	3829.	3511.	3145.	2776.	2500.	2153.	1728.	1293.	906.
	32.5	3650.	3622.	3570.	3269.	2966.	2667.	2404.	2111.	1693.	1285.	940.
	30.0	3440.	3418.	3380.	3069.	2849.	2569.	2300.	2018.	1679.	1286.	978.
	25.0	3122.	3107.	3084.	2823.	2607.	2365.	2127.	1896.	1614.	1288.	1030.
	20.0	2776.	2761.	2751.	2610.	2396.	2204.	2000.	1766.	1499.	1260.	1020.
	15.0	2375.	2372.	2354.	2284.	2129.	1960.	1780.	1598.	1404.	1272.	1036.
	10.0	1914.	1912.	1905.	1853.	1756.	1647.	1530.	1440.	1338.	1209.	1031.
	5.0	1467.	1476.	1463.	1441.	1414.	1382.	1338.	1276.	1195.	1115.	1026.
	0.0	1012.	1012.	1012.	1012.	1012.	1012.	1012.	1012.	1012.	1012.	1012.

||
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	9.	9.	8.	8.	8.	7.	6.	5.	5.	4.
	85.0	9.	9.	8.	8.	7.	7.	6.	5.	4.	4.
V	82.5	13.	10.	9.	8.	7.	6.	6.	5.	3.	3.
E	80.0	29.	12.	10.	8.	7.	6.	5.	4.	3.	3.
R	77.5	46.	19.	11.	8.	7.	6.	5.	4.	3.	2.
T	75.0	94.	26.	11.	9.	7.	6.	5.	4.	3.	2.
I	72.5	145.	42.	11.	9.	7.	6.	5.	4.	3.	2.
C	70.0<<	229.	82.	13.	10.	7.	6.	5.	4.	3.	2.
A	67.5	345.	102.	17.	10.	9.	6.	5.	4.	3.	2.
L	65.0	415.	122.	22.	10.	9.	7.	5.	4.	3.	2.
	62.5	433.	141.	25.	10.	9.	7.	6.	4.	3.	2.
A	60.0	434.	173.	24.	17.	9.	7.	7.	5.	3.	2.
N	57.5	503.	200.	34.	20.	9.	7.	6.	7.	5.	4.
G	55.0	537.	237.	46.	19.	10.	8.	7.	7.	7.	6.
L	52.5	526.	268.	67.	19.	12.	9.	9.	6.	6.	6.
E	50.0	512.	267.	87.	20.	15.	9.	10.	10.	8.	7.
	47.5	502.	273.	95.	26.	19.	10.	8.	9.	8.	7.
	45.0	517.	303.	121.	33.	22.	11.	10.	6.	6.	6.
	42.5	564.	344.	148.	35.	24.	17.	10.	7.	6.	6.
	40.0	595.	375.	147.	47.	23.	22.	13.	10.	7.	7.
	37.5	609.	414.	159.	72.	23.	22.	20.	14.	10.	8.
	35.0	658.	450.	178.	109.	25.	22.	28.	24.	17.	14.
	32.5	696.	474.	207.	131.	33.	25.	27.	29.	25.	23.
	30.0	741.	523.	252.	144.	61.	28.	26.	25.	26.	27.
	25.0	815.	612.	367.	204.	155.	68.	32.	25.	24.	25.
	20.0	838.	665.	458.	278.	197.	150.	109.	66.	46.	41.
	15.0	893.	752.	592.	397.	280.	211.	185.	161.	150.	138.
	10.0	942.	849.	687.	604.	477.	384.	338.	298.	283.	272.
	5.0	978.	933.	852.	780.	723.	676.	660.	637.	621.	596.
	0.0	1012.	1012.	1012.	1012.	1012.	1012.	1012.	1012.	1012.	1012.

CONE OF MAXIMUM CANDELA

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PAGE: 10 OF 10

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	24
5- 10	71
10- 15	121
15- 20	175
20- 25	232
25- 30	293
30- 35	359
35- 40	441
40- 45	523
45- 50	590
50- 55	634
55- 60	722
60- 65	791
65- 70	782
70- 75	643
75- 80	320
80- 85	63
85- 90	5
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	95
0- 20	391
0- 30	916
0- 40	1716
0- 50	2829
0- 60	4185
0- 70	5758
0- 80	6721
0- 90	6790
0-100	6790
0-110	6790
0-120	6790
0-130	6790
0-140	6790
0-150	6790
0-160	6790
0-170	6790
0-180	6790