

REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 1 OF 10

ISSUE DATE: 05/09/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T105N/480 - RWLED2T105N/480 - RWLED2T105SFN/480 -
WPLED2T105N/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.

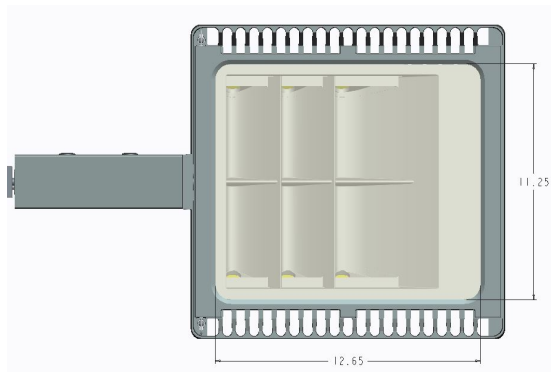
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04363 WHICH WAS
ALED2T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 108.9 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: 2 x 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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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

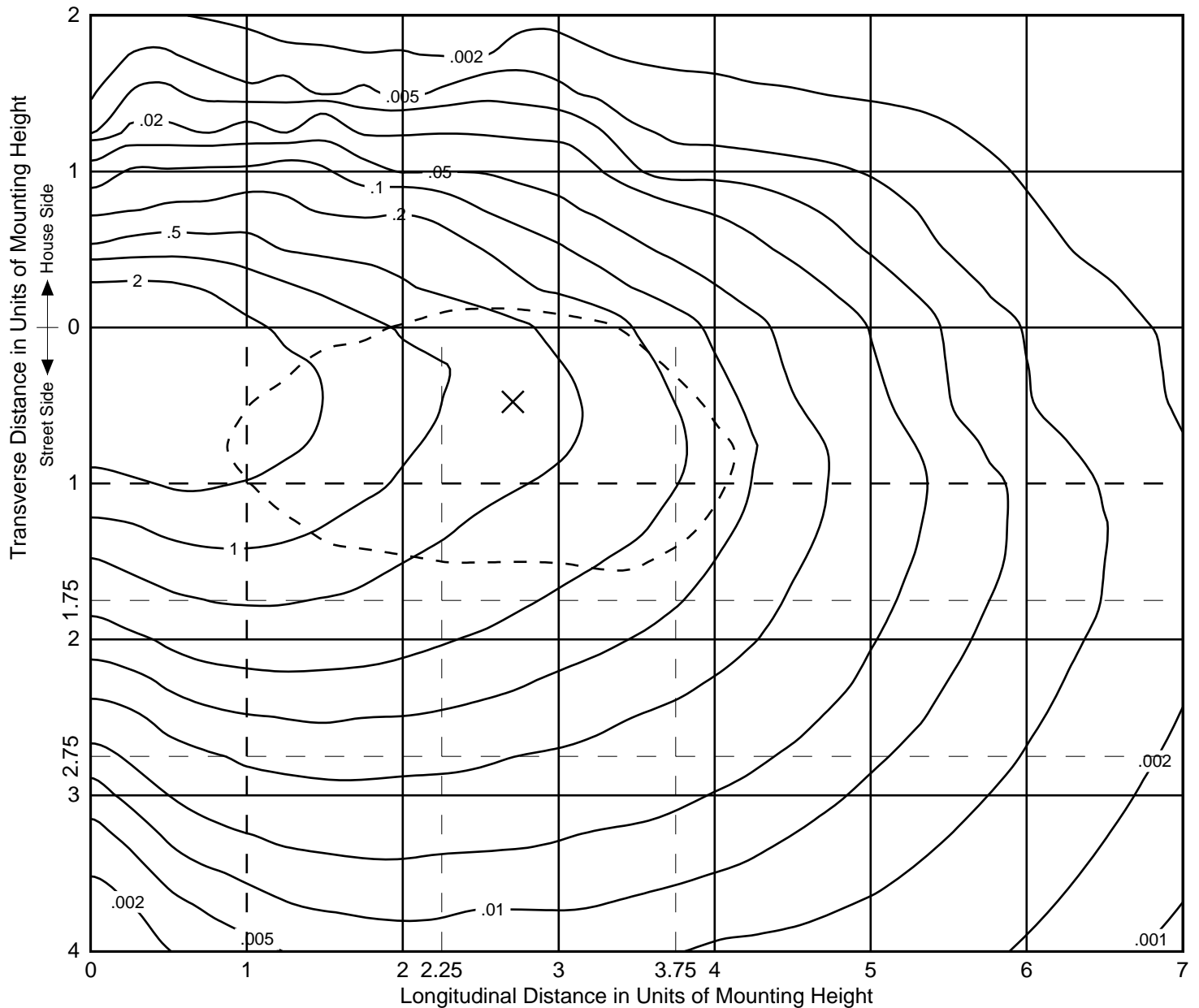
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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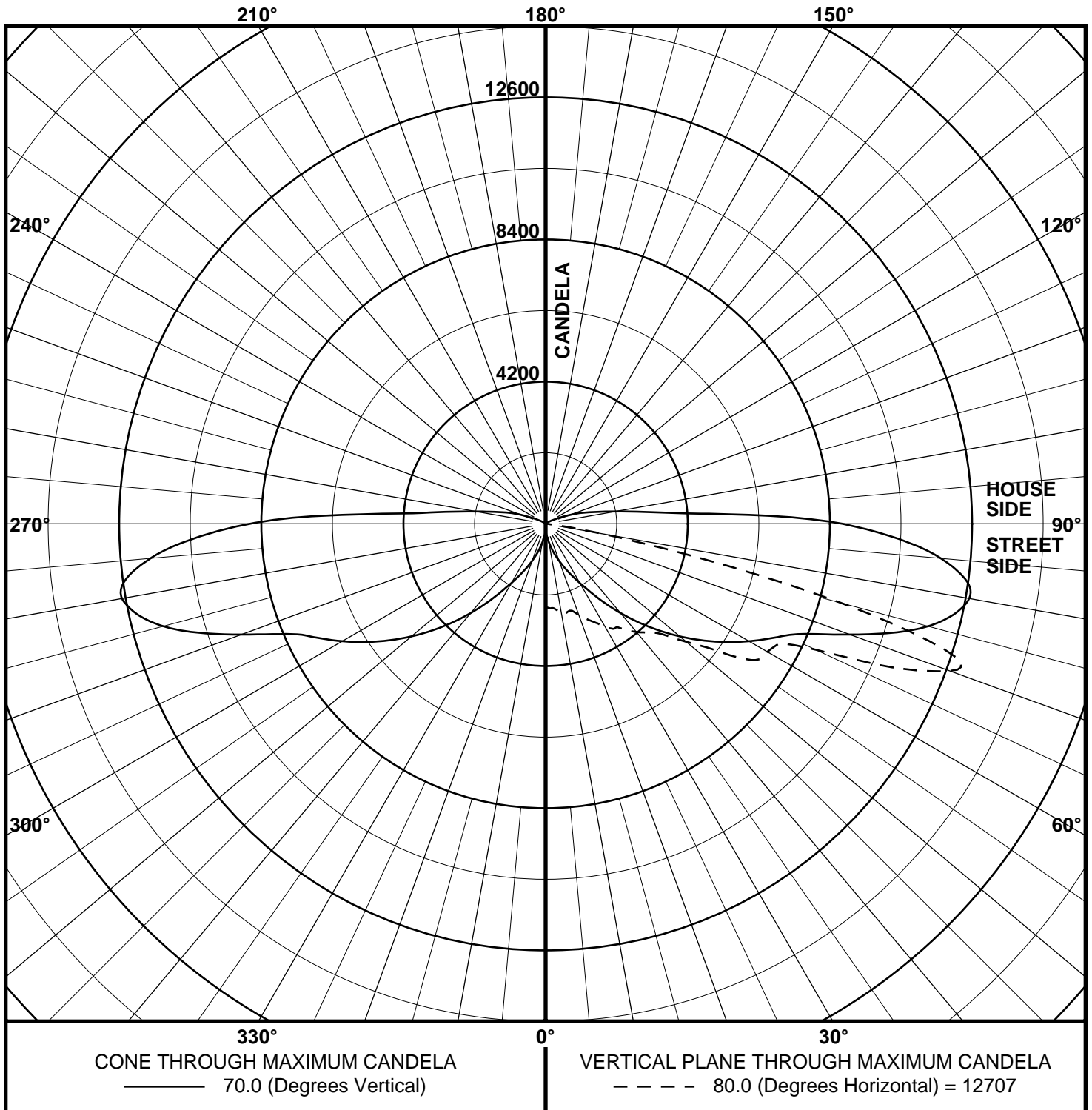
PAGE: 3 OF 10

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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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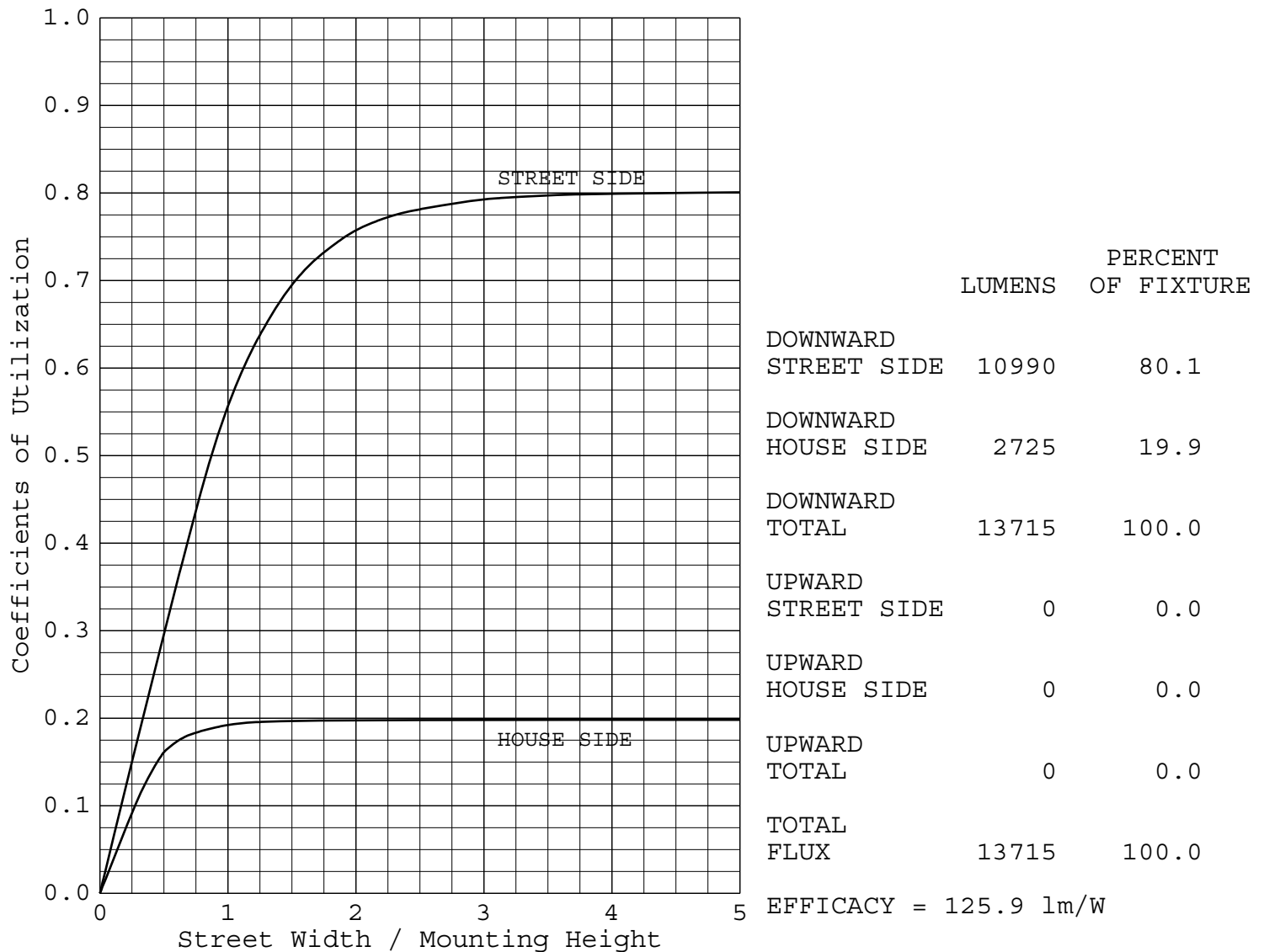
PAGE: 4 OF 10

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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



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			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	10990			
FM	(30° – 60°)	1218.6			
FH	(60° – 80°)	5346.1			
FVH	(80° – 90°)	4347.3			G2
		78.0			G1
Backward					
BL	(0° – 30°)	2725			
BM	(30° – 60°)	760.6	B2		
BH	(60° – 80°)	1296.1	B2		
BVH	(80° – 90°)	656.3	B2		G2
		11.9			G1
Upward					
UL	(90° – 100°)	0		U0	
UH	(100° – 180°)	0.0		U0	
Trapped Light					
Total Flux					
		0			
		13715			
		100.0			

REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 6 OF 10

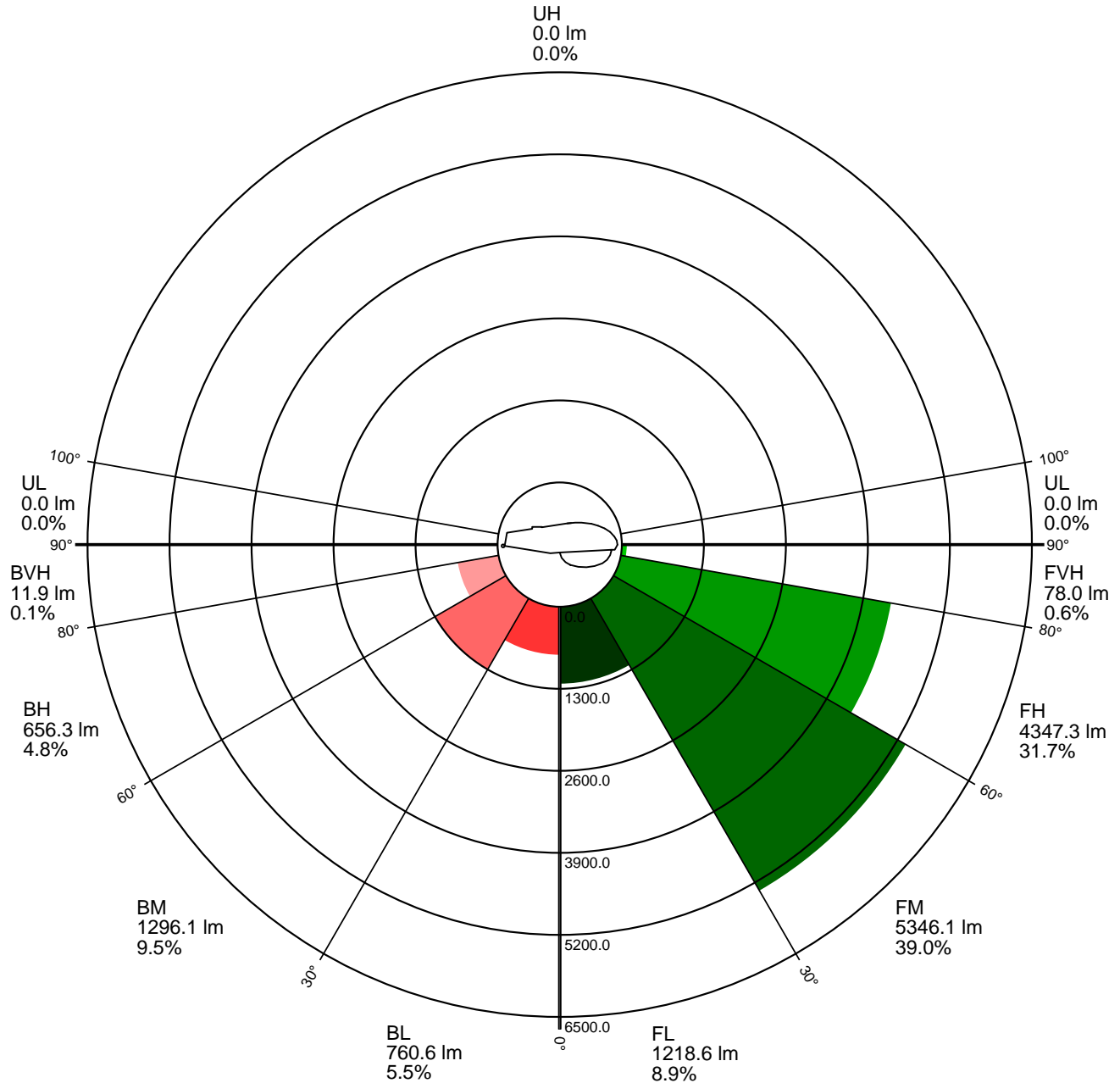
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Zonal Lumen Summary

(Linear scale)



REPORT NUMBER: PRORATED FROM RAB04363

PAGE: 7 OF 10

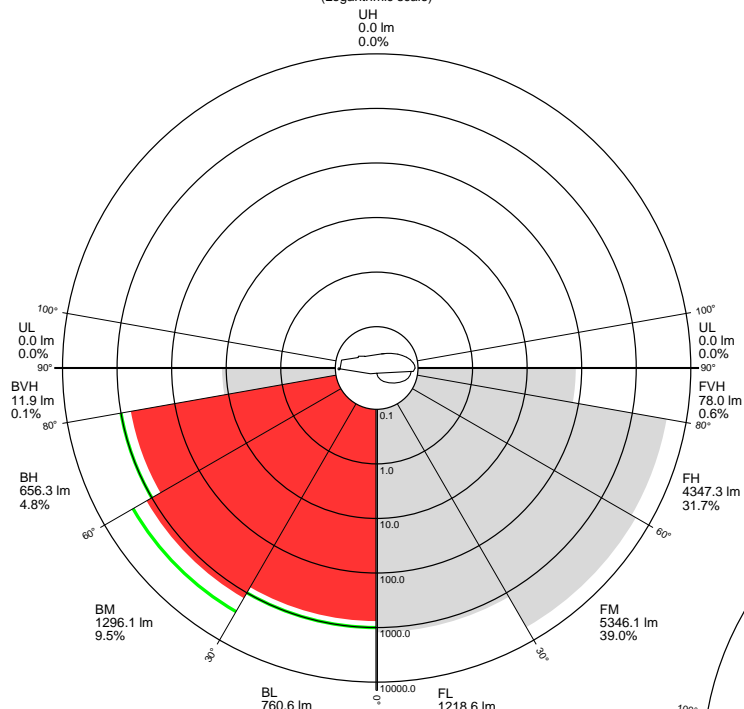
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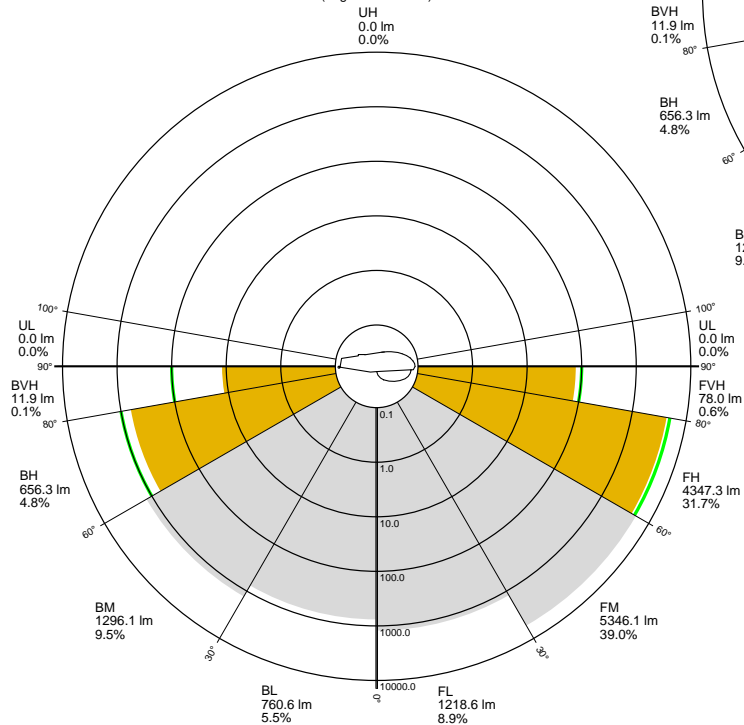
Backlight Rating Details

(Logarithmic scale)



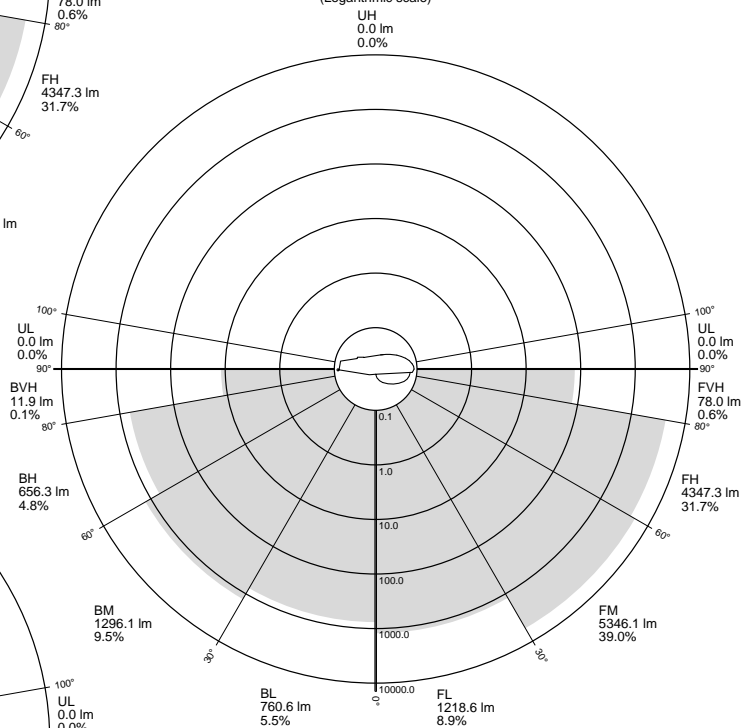
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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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.	4.	7.	9.	12.	25.	14.	18.
	85.0	3.	2.	6.	7.	11.	21.	70.	40.	50.	59.
V	82.5	8.	6.	11.	16.	59.	174.	302.	372.	477.	409.
E	80.0	17.	12.	26.	137.	267.	510.	1059.	1522.	1747.	1621.
R	77.5	27.	25.	117.	363.	621.	1308.	2403.	4074.	4780.	4654.
T	75.0	41.	68.	302.	690.	1229.	2210.	3695.	6322.	9203.	9043.
I	72.5	98.	178.	562.	1111.	1878.	3197.	5115.	6957.	11687.	12359.
C	70.0<<	214.	345.	840.	1550.	2653.	4292.	6061.	7809.	11697.	12707.
A	67.5	471.	528.	1155.	2127.	3493.	5286.	6580.	8670.	9937.	11076.
L	65.0	766.	789.	1616.	2759.	4292.	5913.	7033.	8917.	8994.	8809.
	62.5	1027.	1110.	2075.	3322.	4719.	6175.	7343.	8894.	8469.	7724.
A	60.0	1279.	1449.	2405.	3586.	4957.	6195.	7469.	8808.	8347.	7566.
N	57.5	1549.	1734.	2603.	3781.	4966.	6145.	7529.	8144.	7947.	7457.
G	55.0	1858.	1988.	2655.	3795.	4921.	6273.	7445.	7783.	7276.	6858.
L	52.5	2182.	2270.	2812.	3931.	5167.	6387.	7138.	7257.	6379.	5996.
E	50.0	2479.	2528.	3022.	4182.	5328.	6320.	6944.	6744.	5729.	5426.
	47.5	2750.	2804.	3300.	4315.	5294.	5917.	6482.	6051.	5299.	4916.
	45.0	2931.	3018.	3485.	4350.	5121.	5471.	5585.	5490.	5001.	4555.
	42.5	3064.	3161.	3557.	4195.	4737.	5117.	5010.	4906.	4635.	4357.
	40.0	3117.	3172.	3512.	3892.	4414.	4804.	4713.	4489.	4327.	4174.
	37.5	3069.	3088.	3429.	3640.	4071.	4458.	4400.	4265.	4172.	3964.
	35.0	2930.	2939.	3204.	3350.	3708.	3964.	4129.	4221.	3955.	3738.
	32.5	2838.	2854.	3083.	3127.	3379.	3624.	3884.	4050.	3854.	3681.
	30.0	2781.	2823.	3010.	3053.	3276.	3429.	3653.	3742.	3590.	3510.
	25.0	2685.	2694.	2796.	2939.	2903.	3031.	3213.	3246.	3202.	3161.
	20.0	2561.	2568.	2644.	2852.	2887.	2914.	2867.	2904.	2884.	2868.
	15.0	2639.	2625.	2653.	2750.	2852.	2860.	2833.	2801.	2741.	2667.
	10.0	2562.	2568.	2588.	2604.	2640.	2693.	2748.	2750.	2723.	2699.
	5.0	2510.	2514.	2526.	2521.	2522.	2516.	2513.	2505.	2523.	2500.
	0.0	2459.	2459.	2459.	2459.	2459.	2459.	2459.	2459.	2459.	2459.

||
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

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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.	7.	8.	7.	6.	6.	5.	3.	3.	2.
	85.0	26.	15.	11.	8.	7.	7.	7.	5.	3.	3.
V	82.5	195.	65.	62.	19.	12.	8.	7.	9.	9.	7.
E	80.0	806.	455.	192.	67.	30.	10.	10.	12.	11.	8.
R	77.5	2344.	1212.	195.	61.	29.	11.	10.	11.	11.	9.
T	75.0	4743.	2053.	270.	85.	30.	16.	9.	11.	10.	9.
I	72.5	7396.	2856.	1051.	238.	35.	18.	9.	11.	10.	8.
C	70.0<<	8772.	3650.	1318.	362.	39.	20.	11.	12.	12.	9.
A	67.5	8447.	4426.	2057.	421.	62.	25.	13.	12.	12.	10.
L	65.0	7236.	4307.	2700.	529.	151.	31.	19.	15.	15.	12.
	62.5	6224.	4256.	2311.	687.	409.	81.	25.	21.	20.	16.
A	60.0	5816.	4462.	2270.	861.	661.	107.	37.	34.	40.	24.
N	57.5	5464.	4388.	2079.	910.	776.	242.	47.	39.	52.	25.
G	55.0	5184.	4329.	1956.	958.	747.	353.	91.	48.	61.	25.
L	52.5	4710.	4275.	2154.	1189.	761.	426.	206.	74.	84.	25.
E	50.0	4273.	3997.	2269.	1445.	802.	419.	297.	147.	71.	33.
	47.5	4140.	3869.	2327.	1547.	810.	424.	344.	226.	140.	81.
	45.0	4044.	3738.	2417.	1573.	851.	490.	332.	281.	238.	137.
	42.5	3925.	3561.	2566.	1632.	929.	547.	339.	277.	252.	173.
	40.0	3766.	3449.	2774.	1729.	1032.	616.	404.	271.	230.	182.
	37.5	3579.	3344.	2921.	1808.	1176.	711.	487.	352.	210.	185.
	35.0	3393.	3333.	2887.	1922.	1286.	845.	553.	437.	285.	220.
	32.5	3373.	3346.	2921.	2052.	1406.	967.	658.	500.	357.	290.
	30.0	3275.	3249.	2836.	2179.	1552.	1077.	760.	561.	408.	371.
	25.0	3036.	2997.	2697.	2387.	1780.	1351.	1000.	756.	604.	565.
	20.0	2776.	2753.	2566.	2297.	2045.	1678.	1394.	1119.	961.	908.
	15.0	2611.	2607.	2543.	2401.	2267.	2125.	1892.	1619.	1512.	1488.
	10.0	2646.	2640.	2587.	2514.	2401.	2277.	2157.	2050.	1999.	1974.
	5.0	2469.	2465.	2449.	2440.	2418.	2374.	2346.	2321.	2316.	2310.
	0.0	2459.	2459.	2459.	2459.	2459.	2459.	2459.	2459.	2459.	2459.

CONE OF MAXIMUM CANDELA

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PAGE: 10 OF 10

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	59
5- 10	176
10- 15	291
15- 20	384
20- 25	478
25- 30	592
30- 35	718
35- 40	861
40- 45	1026
45- 50	1203
50- 55	1350
55- 60	1485
60- 65	1555
65- 70	1569
70- 75	1300
75- 80	579
80- 85	85
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	235
0- 20	909
0- 30	1979
0- 40	3558
0- 50	5786
0- 60	8621
0- 70	11745
0- 80	13625
0- 90	13715
0-100	13715
0-110	13715
0-120	13715
0-130	13715
0-140	13715
0-150	13715
0-160	13715
0-170	13715
0-180	13715