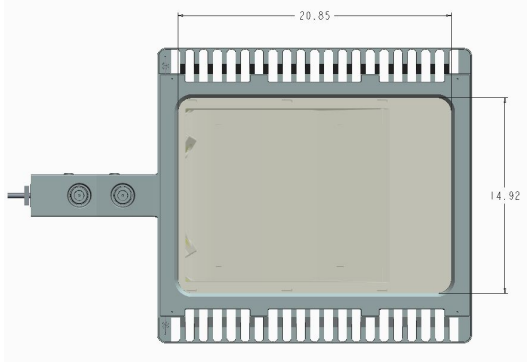


## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 35 foot mounting height.



REPORT NUMBER: PRORATED FROM RAB01827  
 ISSUE DATE: 04/07/16 PAGE: 1 OF 9  
 DATE SAMPLE TESTED: 04/07/16  
 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALED4T360Y/480/D10 -  
 ALED4T360SFY/480/D10 -  
 WPLED4T360Y/480/D10 -  
 WPLED4T360YFX/480/D10 (TYPE IV)  
 LUMINAIRE: CAST FINNED METAL HOUSING, 4  
 CHIP ON BOARD LIGHT EMITTING DIODES,  
 MOLDED PLASTIC REFLECTOR WITH  
 SPECULAR FINISH, CLEAR GLASS LENS IN  
 CAST BRONZE PAINTED METAL FRAME.  
 LAMPS: FOUR WHITE LIGHT EMITTING DIODES  
 (LEDs)

NOTE: THIS REPORT WAS PRORATED FROM  
 RAB01827 WHICH WAS ALED4T360Y/D10.  
 ACTUAL PERFORMANCE MAY VARY.  
 TOTAL INPUT WATTS = 357.6 W AT 347.0  
 VAC.

\*(SEE PAGE 2 FOR MORE INFORMATION)\*

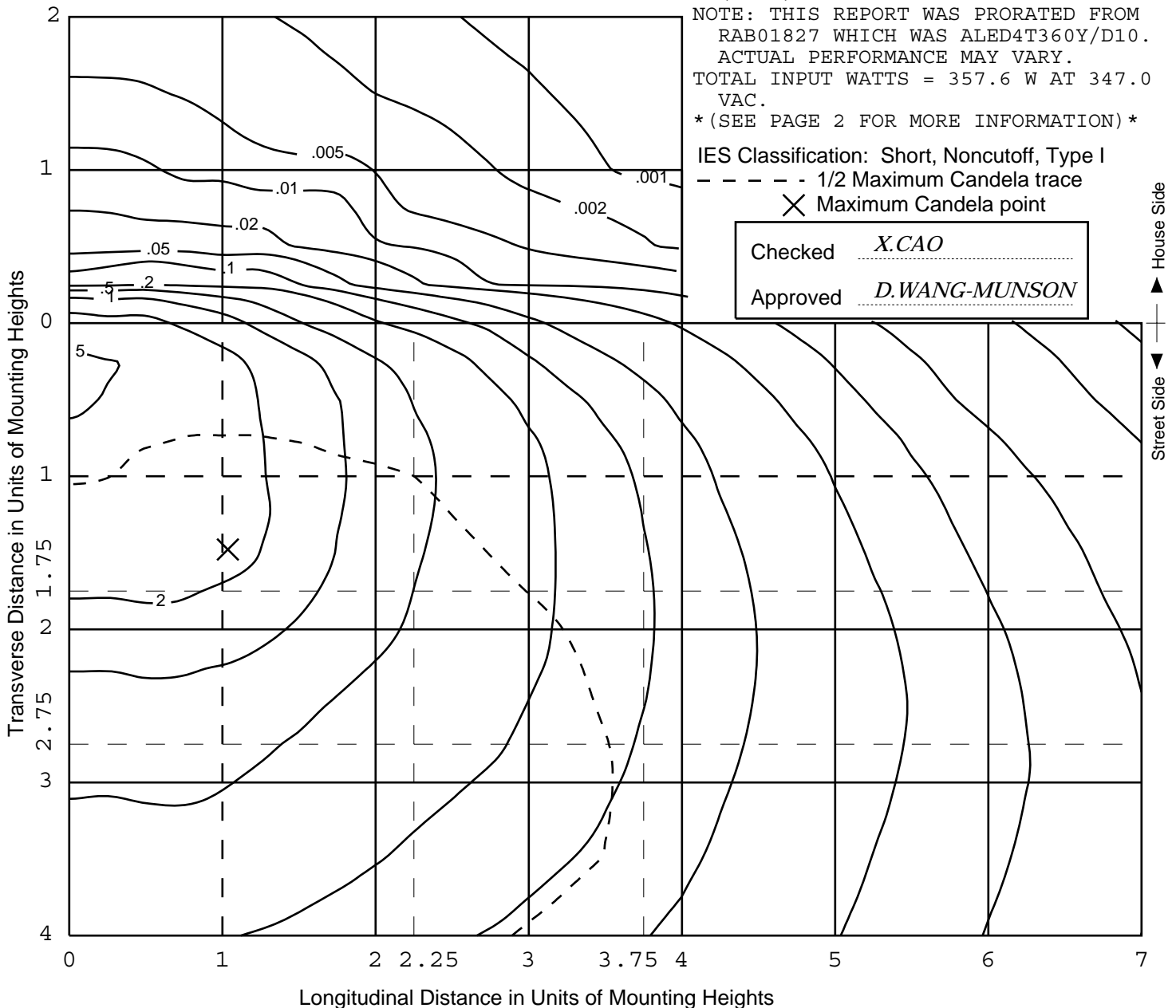
IES Classification: Short, Noncutoff, Type I

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



REPORT NUMBER: PRORATED FROM RAB01827  
ISSUE DATE: 04/07/16  
PREPARED FOR: RAB LIGHTING INC.

PAGE: 2 OF 9  
DATE SAMPLE TESTED: 04/07/16

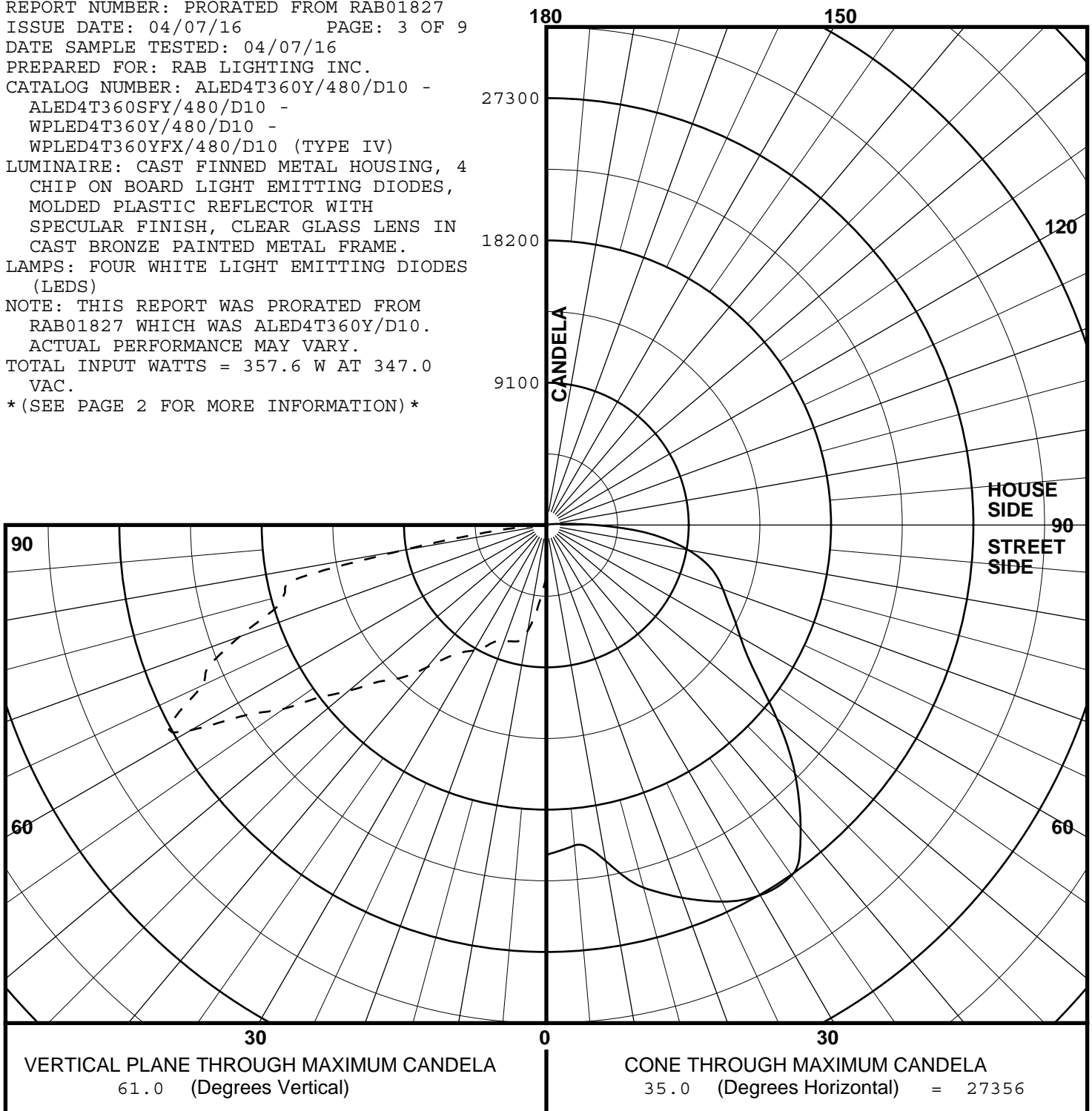
ADDITIONAL INFORMATION

LED DRIVER: 2X RDD-P240-A2200  
TEST PROCEDURE: IESNA LM-79-08  
ACCREDITED LABORATORY CODE 201058-0  
TEST DISTANCE : 28.25 FEET

NOTE: THIS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY  
THE CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR  
ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL  
GOVERNMENT.

## MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

REPORT NUMBER: PRORATED FROM RAB01827  
 ISSUE DATE: 04/07/16 PAGE: 3 OF 9  
 DATE SAMPLE TESTED: 04/07/16  
 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALED4T360Y/480/D10 -  
 ALED4T360SFY/480/D10 -  
 WPLED4T360Y/480/D10 -  
 WPLED4T360YFX/480/D10 (TYPE IV)  
 LUMINAIRE: CAST FINNED METAL HOUSING, 4  
 CHIP ON BOARD LIGHT EMITTING DIODES,  
 MOLDED PLASTIC REFLECTOR WITH  
 SPECULAR FINISH, CLEAR GLASS LENS IN  
 CAST BRONZE PAINTED METAL FRAME.  
 LAMPS: FOUR WHITE LIGHT EMITTING DIODES  
 (LEDS)  
 NOTE: THIS REPORT WAS PRORATED FROM  
 RAB01827 WHICH WAS ALED4T360Y/D10.  
 ACTUAL PERFORMANCE MAY VARY.  
 TOTAL INPUT WATTS = 357.6 W AT 347.0  
 VAC.  
 \*(SEE PAGE 2 FOR MORE INFORMATION)\*

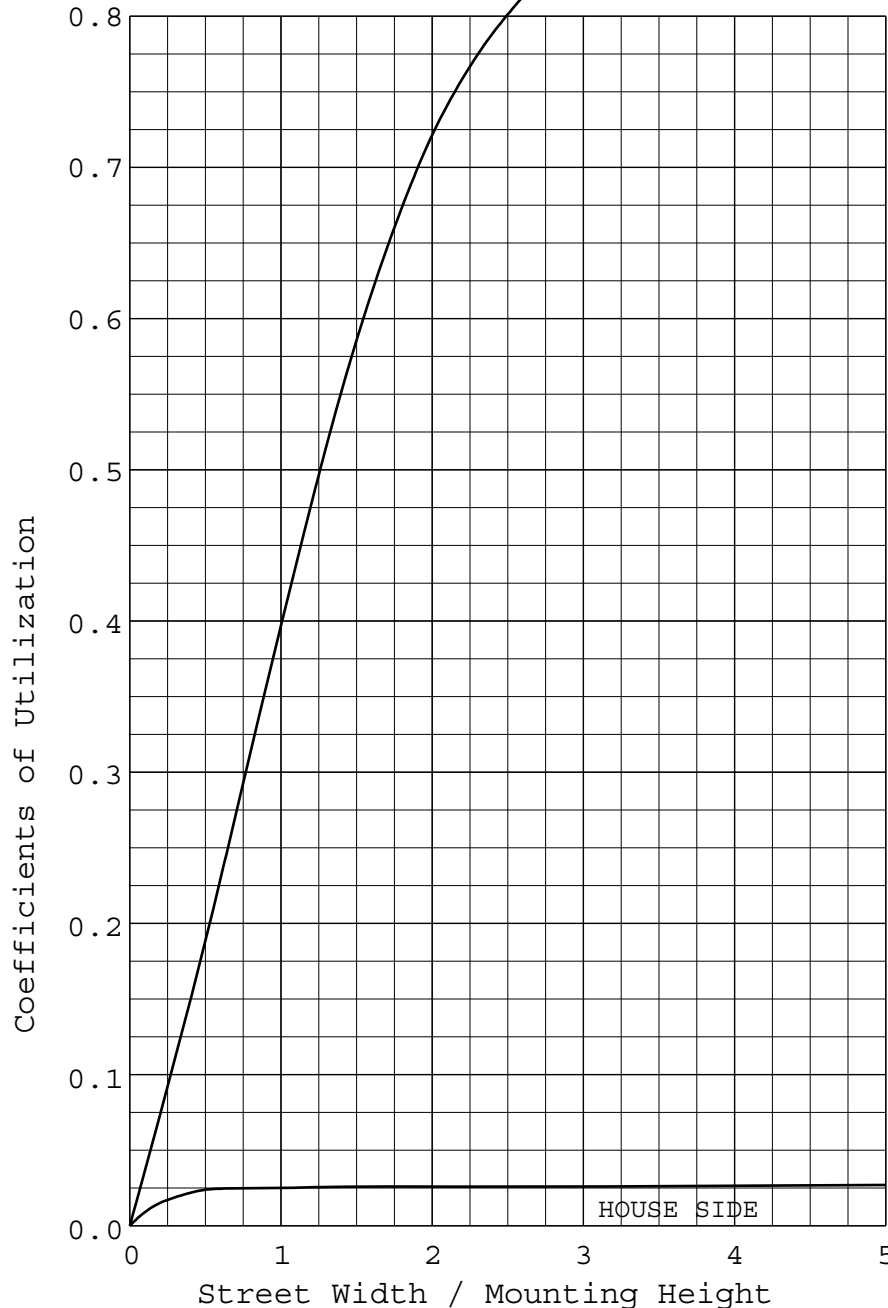


STREET SIDE

REPORT NUMBER: PRORATED FROM RAB01827  
ISSUE DATE: 04/07/16  
PREPARED FOR: RAB LIGHTING INC.

PAGE: 4 OF 9  
DATE SAMPLE TESTED: 04/07/16

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	35026.	97.2
DOWNWARD HOUSE SIDE	992.	2.8
DOWNWARD TOTAL	36018.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	36018.	100.0
TOTAL INPUT WATTS = 357.6		
EFFICACY = 100.7 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 RAB01827  
 ISSUE DATE: 04/07/16  
 PREPARED FOR: RAB LIGHTING INC.

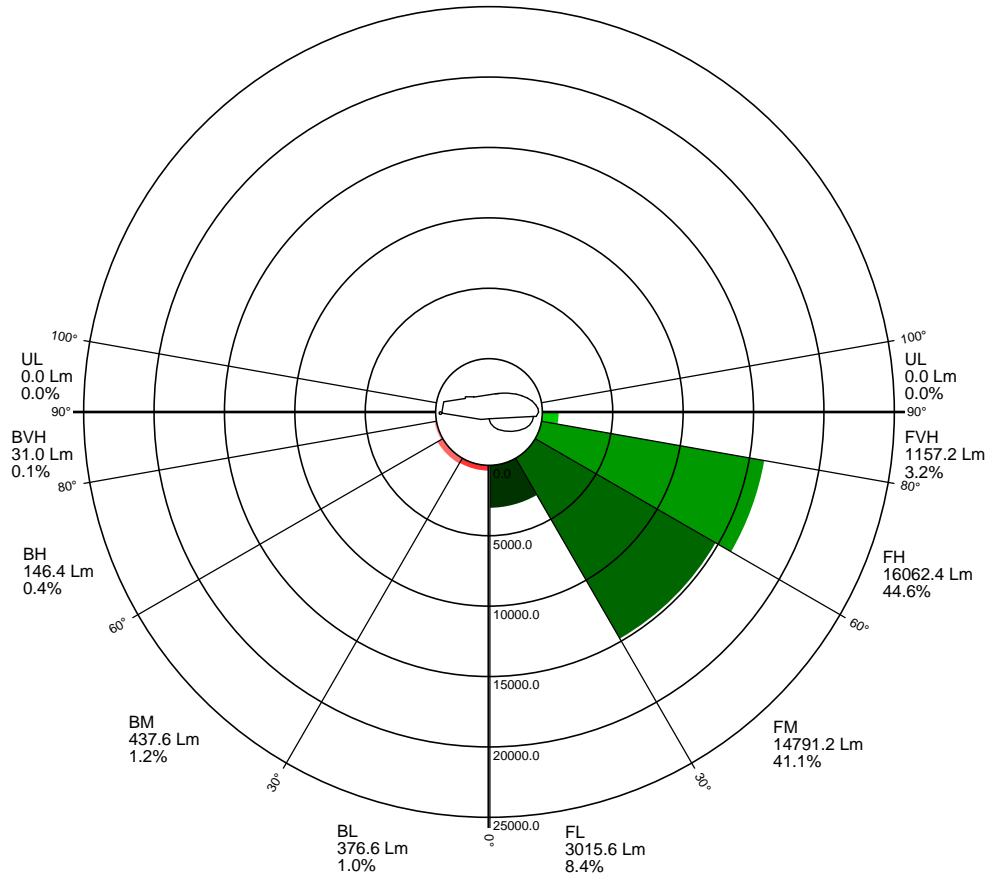
PAGE: 5 OF 9  
 DATE SAMPLE TESTED: 04/07/16

BUG Rating:				B1	U0	G5
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		35026	97.2			
FL	(0° – 30°)	3015.6	8.4			
FM	(30° – 60°)	14791.2	41.1			
FH	(60° – 80°)	16062.4	44.6			G5
FVH	(80° – 90°)	1157.2	3.2			G5
Backward		992	2.8			
BL	(0° – 30°)	376.6	1.0	B1		
BM	(30° – 60°)	437.6	1.2	B1		
BH	(60° – 80°)	146.4	0.4	B1		G1
BVH	(80° – 90°)	31.0	0.1			G1
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		36018	100.0			

### Zonal Lumen Summary

(Linear scale)

UH  
0.0 Lm  
0.0%

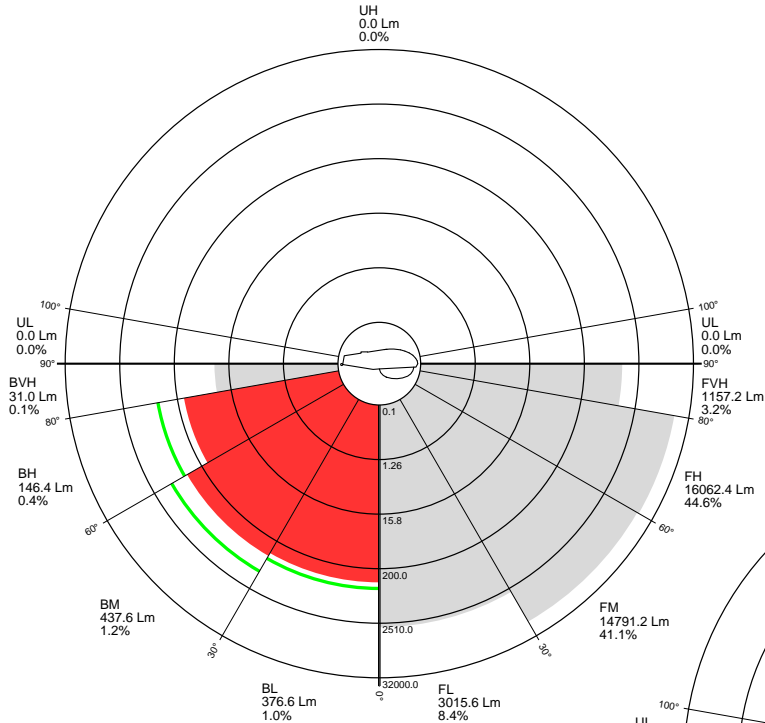


REPORT NUMBER: PRORATED FROM RAB01827  
ISSUE DATE: 04/07/16  
PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 9  
DATE SAMPLE TESTED: 04/07/16

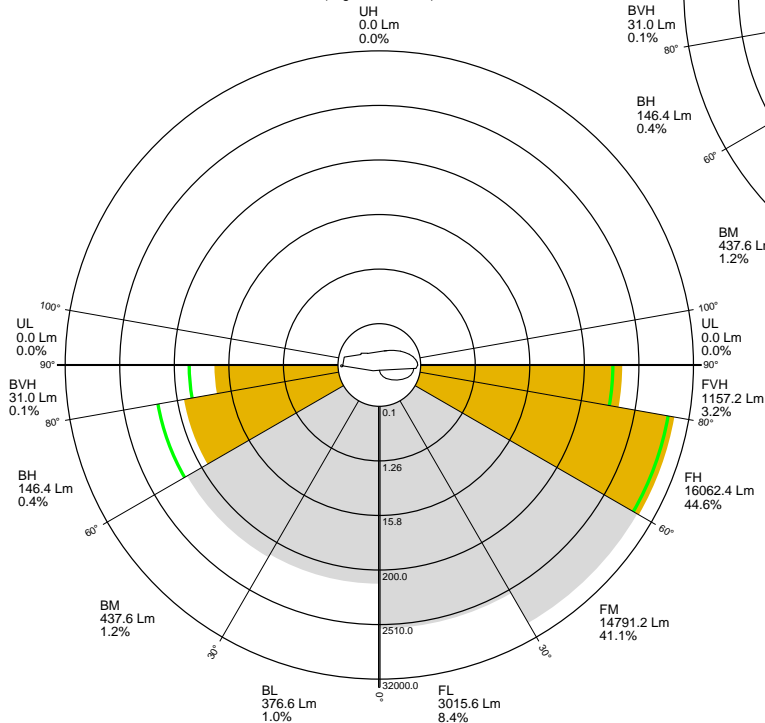
### Backlight Rating Details

(Logarithmic scale)



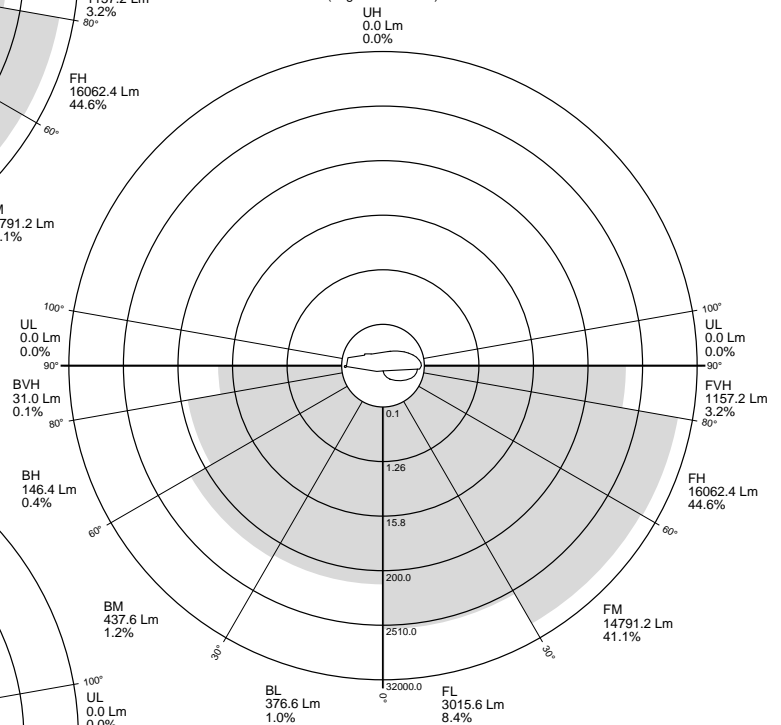
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



PAGE: 7 OF 9  
DATE SAMPLE TESTED: 04/07/16

CANDLER REGULATION		LATERAL ANGLE									
		0.0	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.
	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.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	135.	99.	84.	154.	234.	287.	282.	213.	126.	101.
	85.0	1400.	1545.	1276.	1549.	1916.	1809.	1423.	1196.	697.	170.
	82.5	4711.	5044.	4531.	4100.	4495.	4922.	4080.	3323.	1775.	487.
V	80.0	7289.	7537.	8906.	7247.	9439.	10195.	8069.	6353.	3301.	1340.
E	77.5	15668.	15451.	16244.	15754.	16841.	16088.	12556.	9148.	5325.	2414.
R	75.0	22049.	23890.	23568.	21161.	17388.	17455.	15216.	11246.	7639.	3368.
T	72.5	21834.	21480.	24210.	21235.	18418.	18162.	15240.	12592.	9306.	3876.
I	70.0	18772.	18961.	22244.	21123.	20877.	19703.	15932.	13342.	10365.	5026.
C	67.5	17912.	18081.	20981.	22843.	23240.	19873.	16645.	14216.	10312.	5624.
A	65.0	19401.	18999.	22527.	25200.	24276.	22052.	16543.	13647.	10894.	6168.
L	62.5	21462.	20815.	23690.	26488.	26841.	23566.	16507.	13083.	11196.	6481.
	61.0	<21090.	20569.	24010.	26570.	27356.	22480.	16194.	13050.	10947.	6774.
A	60.0	21308.	20592.	24083.	26837.	26234.	21633.	16207.	13059.	10636.	6897.
N	57.5	23075.	22529.	25078.	25806.	22529.	19421.	15427.	12690.	10598.	7129.
G	55.0	21748.	22235.	23352.	21677.	20495.	17505.	14657.	12162.	10435.	7136.
L	52.5	18542.	18523.	19650.	18699.	18009.	16025.	13743.	11663.	9667.	7116.
E	50.0	15583.	15763.	16467.	16996.	16480.	14809.	13224.	11214.	9384.	7024.
	47.5	13395.	13621.	14100.	15899.	14949.	14019.	12285.	10633.	9171.	6990.
	45.0	12763.	12573.	13189.	14359.	14022.	13208.	11624.	10174.	8973.	6855.
	42.5	12297.	12075.	12291.	12997.	13053.	11775.	10763.	9727.	8778.	6548.
	40.0	11718.	11642.	11593.	12311.	11873.	11078.	10065.	9244.	8518.	6201.
	37.5	11513.	11553.	11433.	11392.	10810.	10417.	9700.	9010.	8284.	6048.
	35.0	10941.	11065.	10916.	10521.	10094.	9866.	9629.	8814.	7949.	5688.
	30.0	9521.	9576.	9551.	9187.	9254.	9268.	9016.	8688.	7662.	5529.
	25.0	8815.	8787.	8785.	8574.	8345.	8377.	8237.	8143.	6983.	5233.
	20.0	8341.	8388.	8370.	8210.	7924.	7486.	7434.	6882.	5536.	4206.
	15.0	7867.	7924.	7949.	7907.	7713.	7390.	6673.	5883.	4784.	3747.
	10.0	7243.	7286.	7214.	7106.	6884.	6351.	5743.	5072.	4328.	3652.
	5.0	5286.	5274.	5138.	5101.	4892.	4672.	4422.	4162.	3908.	3589.
	0.0	3287.	3287.	3287.	3287.	3287.	3287.	3287.	3287.	3287.	3287.

PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB01827  
 ISSUE DATE: 04/07/16  
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 8 OF 9  
 DATE SAMPLE TESTED: 04/07/16

### 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.	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.
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.5	91.	59.	60.	63.	64.	65.	64.	64.	63.	62.	62.
85.0	111.	62.	60.	61.	61.	61.	60.	60.	59.	58.	58.
82.5	230.	70.	60.	59.	58.	58.	56.	56.	55.	54.	54.
V 80.0	770.	88.	60.	57.	54.	54.	53.	51.	50.	49.	49.
E 77.5	1335.	139.	63.	55.	52.	51.	49.	48.	47.	46.	45.
R 75.0	1737.	198.	67.	56.	49.	48.	46.	46.	45.	43.	43.
T 72.5	2000.	252.	80.	61.	48.	46.	45.	44.	43.	41.	41.
I 70.0	2557.	325.	89.	68.	48.	45.	44.	43.	42.	40.	40.
C 67.5	2777.	417.	97.	71.	48.	44.	43.	43.	42.	40.	39.
A 65.0	2789.	514.	109.	108.	49.	45.	43.	43.	42.	40.	39.
L 62.5	2990.	653.	131.	153.	50.	45.	43.	43.	42.	40.	40.
61.0<<	3143.	801.	141.	135.	52.	45.	43.	43.	42.	40.	40.
A 60.0	3314.	885.	151.	143.	53.	44.	43.	43.	42.	40.	40.
N 57.5	3609.	1140.	169.	124.	54.	45.	43.	43.	43.	41.	41.
G 55.0	3854.	1375.	198.	142.	60.	46.	43.	44.	43.	41.	41.
L 52.5	4005.	1574.	246.	104.	114.	46.	44.	44.	43.	41.	41.
E 50.0	4285.	1791.	278.	105.	65.	48.	44.	44.	44.	42.	41.
47.5	4386.	1972.	346.	106.	66.	49.	45.	44.	44.	43.	42.
45.0	4432.	2070.	372.	125.	76.	51.	45.	45.	44.	43.	43.
42.5	4398.	2216.	438.	130.	88.	52.	47.	46.	45.	44.	44.
40.0	4251.	2409.	538.	147.	109.	54.	48.	47.	46.	45.	45.
37.5	4221.	2707.	604.	162.	110.	62.	49.	48.	47.	46.	46.
35.0	4102.	2955.	619.	217.	97.	67.	51.	49.	48.	47.	46.
30.0	4377.	3815.	968.	409.	124.	83.	60.	54.	52.	50.	48.
25.0	4108.	3641.	1220.	466.	220.	97.	83.	65.	59.	54.	52.
20.0	3449.	2887.	1601.	829.	335.	219.	145.	89.	66.	57.	56.
15.0	3222.	2757.	1966.	1168.	688.	423.	307.	253.	191.	142.	139.
10.0	3305.	2994.	2473.	1943.	1327.	961.	727.	610.	498.	464.	457.
5.0	3425.	3251.	2933.	2680.	2461.	2214.	1995.	1783.	1669.	1599.	1581.
0.0	3287.	3287.	3287.	3287.	3287.	3287.	3287.	3287.	3287.	3287.	3287.

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB01827  
 ISSUE DATE: 04/07/16  
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 9 OF 9  
 DATE SAMPLE TESTED: 04/07/16

### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	80
5- 10	253
10- 15	441
15- 20	633
20- 25	859
25- 30	1125
30- 35	1402
35- 40	1713
40- 45	2090
45- 50	2584
50- 55	3298
55- 60	4142
60- 65	4526
65- 70	4324
70- 75	4205
75- 80	3153
80- 85	1064
85- 90	124
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	334
0- 20	1408
0- 30	3392
0- 40	6507
0- 50	11181
0- 60	18621
0- 70	27471
0- 80	34830
0- 90	36018
0-100	36018
0-110	36018
0-120	36018
0-130	36018
0-140	36018
0-150	36018
0-160	36018
0-170	36018
0-180	36018