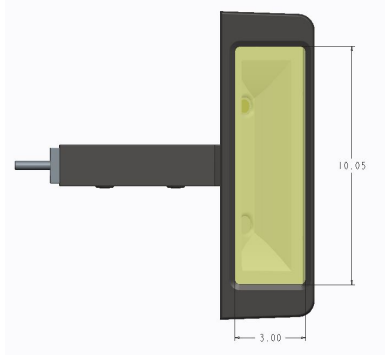


### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



REPORT NUMBER: PRORATED FROM RAB02661  
 ISSUE DATE: 11/07/16 PAGE: 1 OF 9  
 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALEDC80n/480,  
 WPLEDC80n/480 (7.5-DEGREE UPTILT - CUTOFF)

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

LAMPS: TWO WHITE MULTI-CHIP LIGHT  
 EMITTING DIODES (LEDs), TILTED  
 47.5-DEGREES FROM VERTICAL BASE-UP  
 POSITION.

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

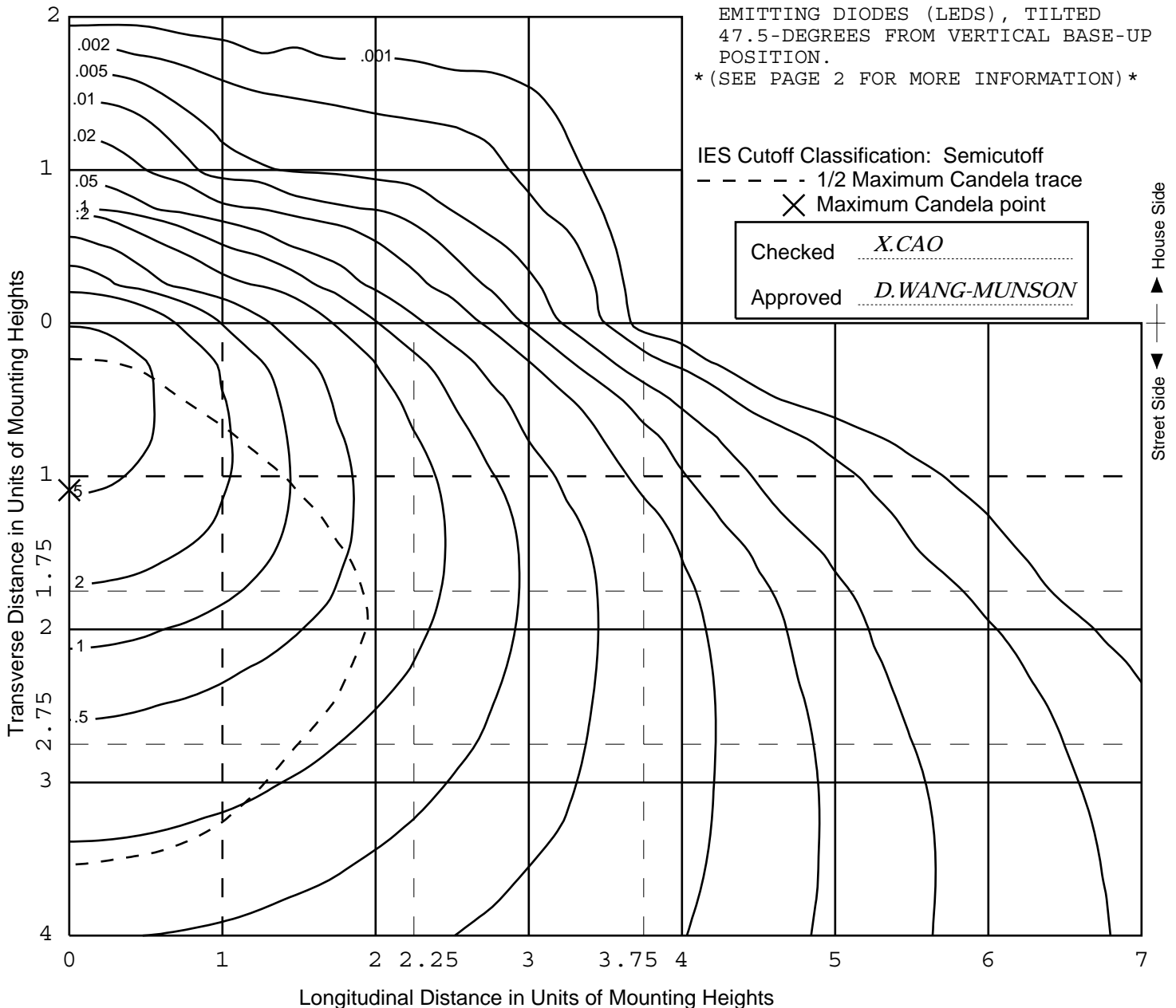
IES Cutoff Classification: Semicutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



REPORT NUMBER: PRORATED FROM RAB02661  
ISSUE DATE: 11/07/16  
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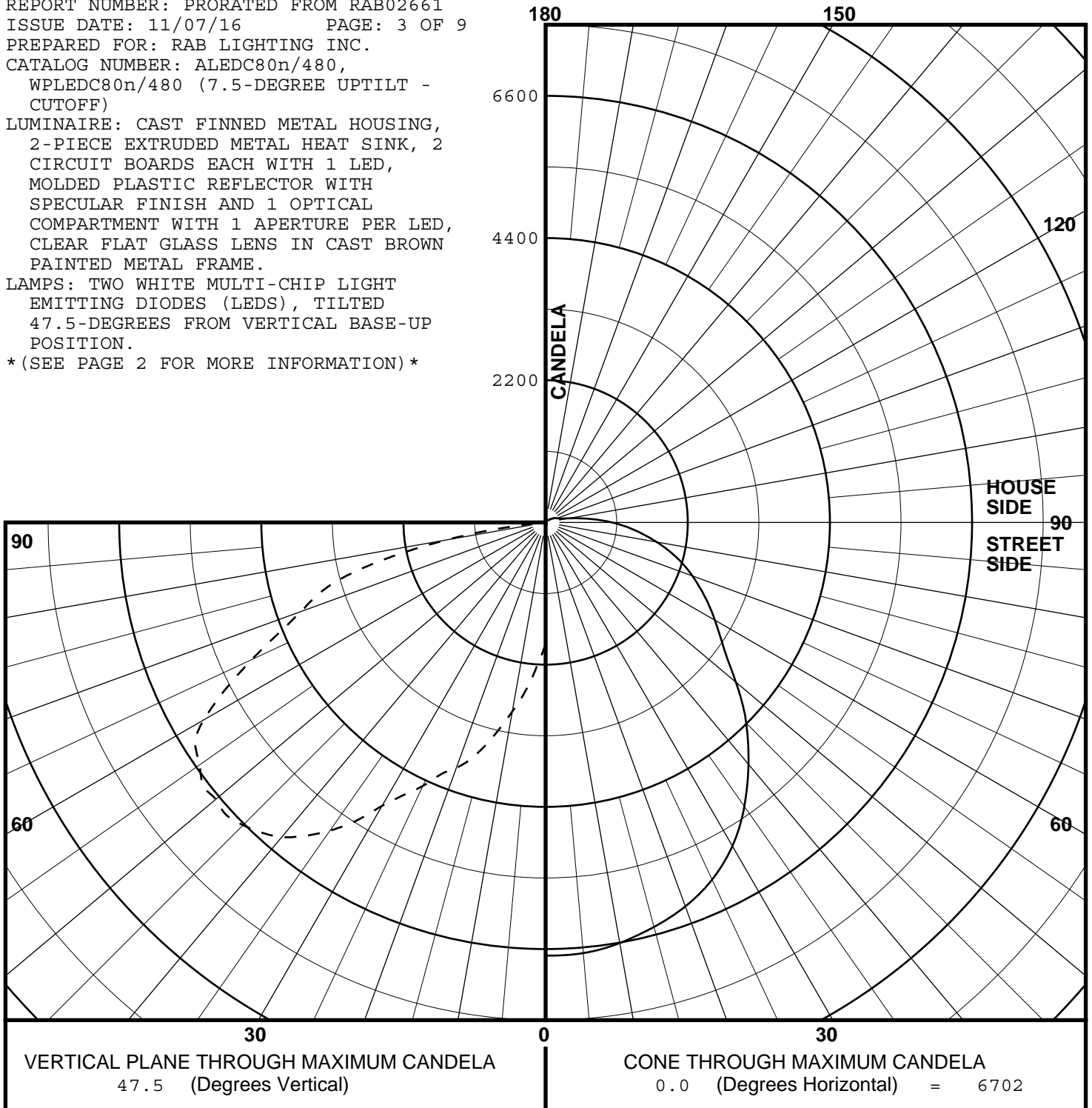
PAGE: 2 OF 9

## ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02661 WHICH WAS ALEDC80Y/480,  
WPLED80Y/480. ACTUAL PERFORMANCE MAY VARY.  
TOTAL INPUT WATTS = 81.8 W AT 480.0 VAC.  
LED DRIVER: RD-H100-A2000-480  
TEST PROCEDURE: IESNA LM-79-08

### MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

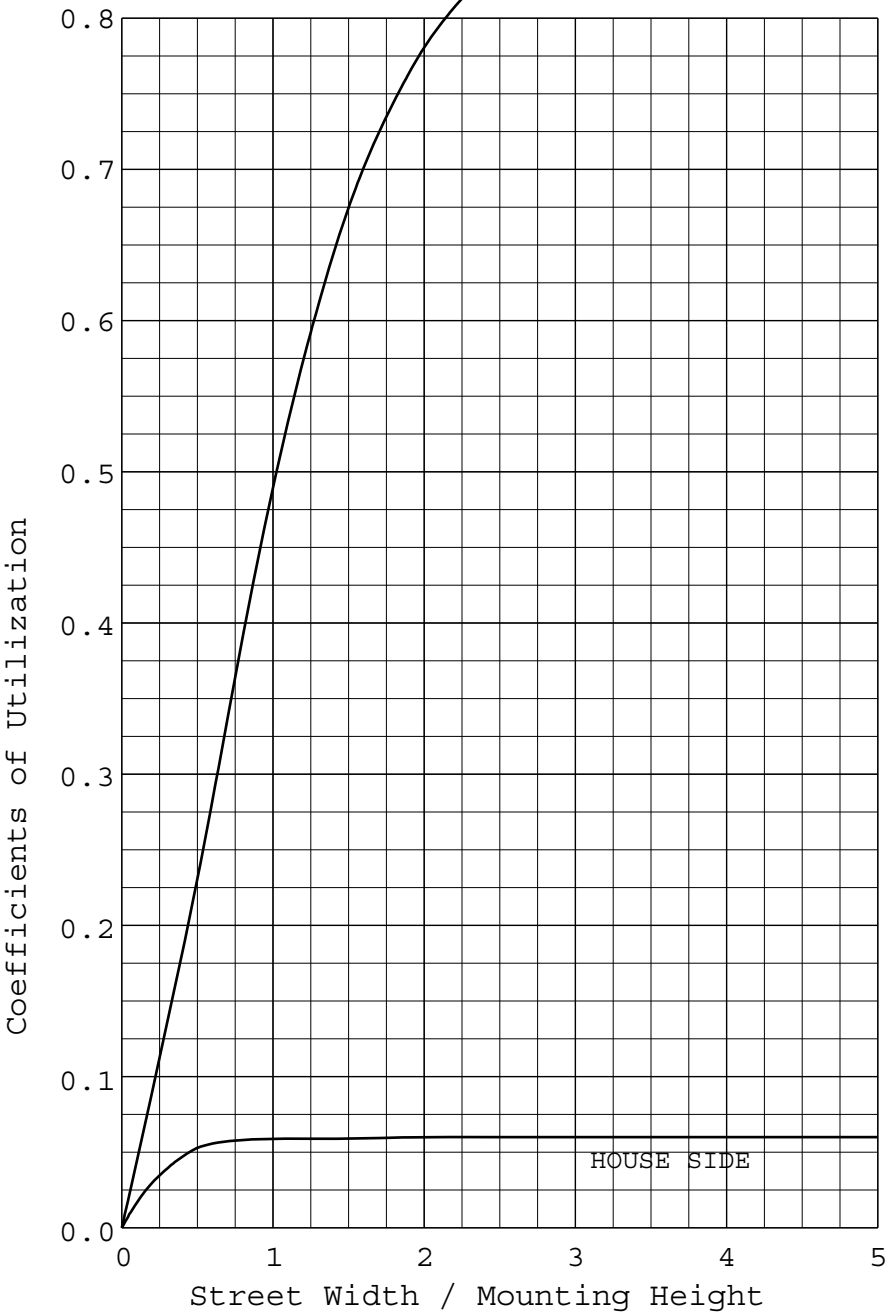
REPORT NUMBER: PRORATED FROM RAB02661  
 ISSUE DATE: 11/07/16 PAGE: 3 OF 9  
 PREPARED FOR: RAB LIGHTING INC.  
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 EMITTING DIODES (LEDs), TILTED  
 47.5-DEGREES FROM VERTICAL BASE-UP  
 POSITION.  
 \*(SEE PAGE 2 FOR MORE INFORMATION)\*



REPORT NUMBER: PRORATED FROM RAB02661  
 ISSUE DATE: 11/07/16  
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 4 OF 9

### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	8993.	93.9
DOWNWARD HOUSE SIDE	581.	6.1
DOWNWARD TOTAL	9573.	100.0
UPWARD STREET SIDE	1.	0.0
UPWARD HOUSE SIDE	1.	0.0
UPWARD TOTAL	2.	0.0
TOTAL FLUX	9575.	100.0
TOTAL INPUT WATTS = 81.8		
EFFICACY = 117.1 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 RAB02661  
 ISSUE DATE: 11/07/16  
 PREPARED FOR: RAB LIGHTING INC.

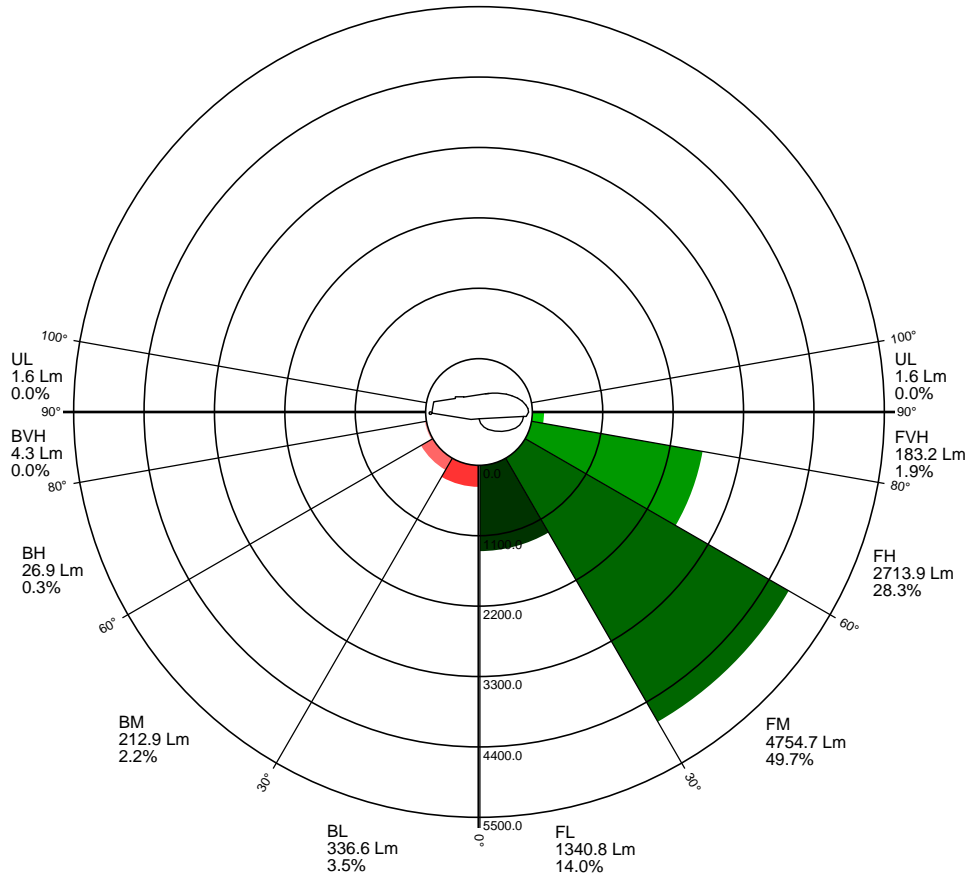
PAGE: 5 OF 9

BUG Rating:				B1 U1 G2		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		8993	93.9			
FL	(0° - 30°)	1340.8	14.0			
FM	(30° - 60°)	4754.7	49.7			
FH	(60° - 80°)	2713.9	28.3			G2
FVH	(80° - 90°)	183.2	1.9			G2
Backward		581	6.1			
BL	(0° - 30°)	336.6	3.5	B1		
BM	(30° - 60°)	212.9	2.2	B0		
BH	(60° - 80°)	26.9	0.3	B0		G0
BVH	(80° - 90°)	4.3	0.0			G0
Upward		2	0.0			
UL	(90° - 100°)	1.6	0.0		U1	
UH	(100° - 180°)	0.0	0.0		U0	
Trapped Light		0	0.0			
Total Flux		9575	100.0			

### Zonal Lumen Summary

(Linear scale)

UH  
0.0 Lm  
0.0%

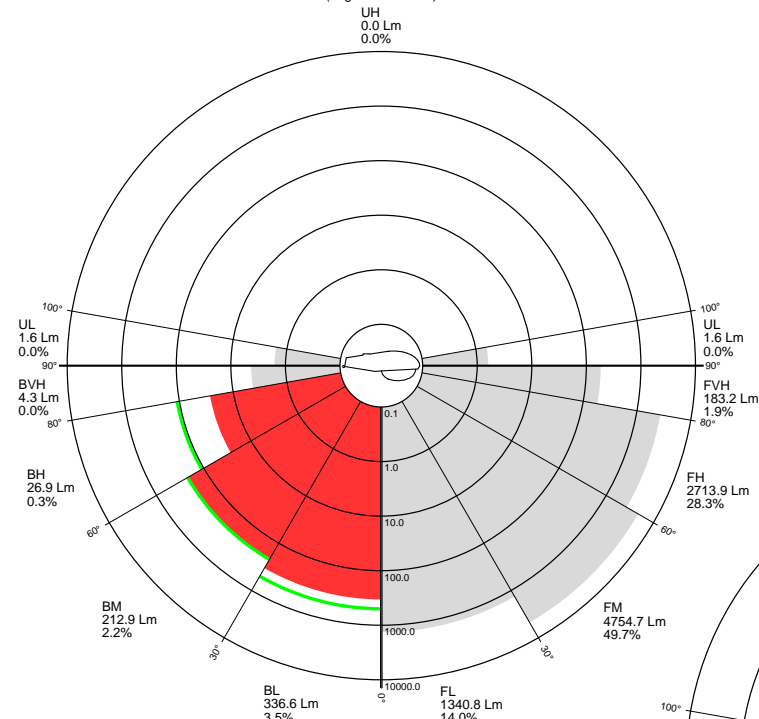


REPORT NUMBER: PRORATED FROM RAB02661  
ISSUE DATE: 11/07/16  
PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 9

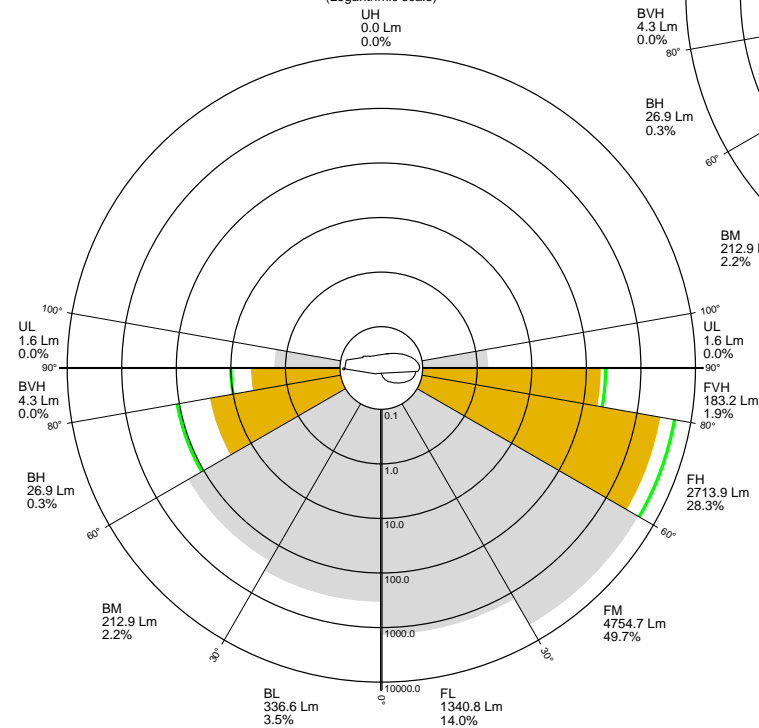
**Backlight Rating Details**

(Logarithmic scale)



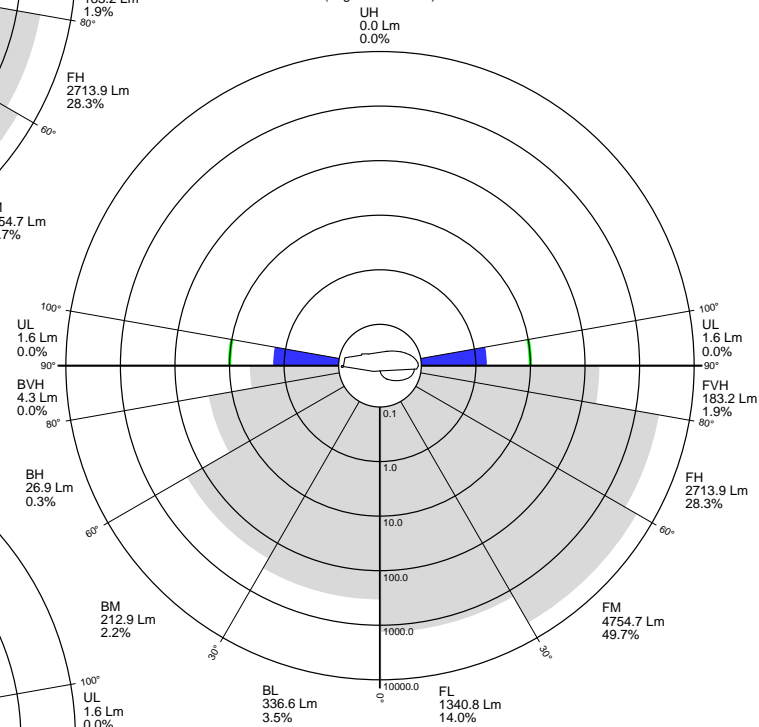
**Glare Rating Details**

(Logarithmic scale)



**Uplight Rating Details**

(Logarithmic scale)



REPORT NUMBER: PRORATED FROM RAB02661  
 ISSUE DATE: 11/07/16  
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 7 OF 9

### CANDELA TABULATION

	STREET SIDE	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.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	23.	22.	21.	20.	14.	9.	9.	9.	10. 11.
	87.5	83.	81.	81.	79.	54.	34.	30.	38.	10. 11.
	85.0	187.	187.	212.	255.	289.	248.	215.	159.	39. 11.
V	82.5	724.	729.	802.	881.	945.	869.	535.	297.	79. 11.
E	80.0	1563.	1563.	1630.	1716.	1707.	1550.	966.	478.	158. 11.
R	77.5	2435.	2431.	2447.	2455.	2388.	2094.	1403.	827.	263. 18.
T	75.0	3193.	3185.	3159.	3056.	2819.	2469.	1854.	1216.	452. 77.
I	72.5	3691.	3681.	3572.	3373.	3200.	2908.	2280.	1542.	677. 203.
C	70.0	4034.	4027.	3920.	3773.	3655.	3366.	2648.	1798.	891. 375.
A	67.5	4466.	4456.	4361.	4262.	4210.	3779.	2866.	2001.	1086. 528.
L	65.0	5017.	4995.	4914.	4809.	4772.	4052.	3032.	2154.	1269. 684.
	62.5	5583.	5520.	5457.	5359.	5211.	4244.	3168.	2261.	1459. 823.
A	60.0	6112.	6058.	5995.	5799.	5390.	4377.	3273.	2333.	1628. 945.
N	57.5	6430.	6400.	6247.	5979.	5508.	4458.	3339.	2389.	1773. 1047.
G	55.0	6540.	6512.	6418.	6160.	5526.	4491.	3389.	2436.	1893. 1146.
L	52.5	6683.	6664.	6508.	6197.	5524.	4480.	3403.	2511.	1987. 1236.
E	50.0	6663.	6658.	6522.	6194.	5460.	4452.	3392.	2610.	2053. 1315.
	47.5<<	6702.	6688.	6480.	6097.	5364.	4391.	3361.	2721.	2103. 1386.
	45.0	6623.	6603.	6387.	5936.	5262.	4299.	3340.	2848.	2155. 1454.
	42.5	6509.	6480.	6241.	5756.	5109.	4180.	3378.	2944.	2214. 1518.
	40.0	6354.	6312.	6062.	5568.	4924.	4039.	3437.	3014.	2271. 1595.
	37.5	6112.	6081.	5800.	5345.	4751.	3989.	3497.	3047.	2321. 1673.
	35.0	5820.	5791.	5541.	5101.	4551.	3992.	3543.	3042.	2366. 1743.
	30.0	5065.	5055.	4889.	4612.	4293.	3920.	3523.	2982.	2413. 1876.
	25.0	4500.	4486.	4400.	4215.	4033.	3742.	3338.	2852.	2418. 1946.
	20.0	4043.	4039.	4052.	3921.	3715.	3402.	3064.	2711.	2360. 1984.
	15.0	3557.	3571.	3561.	3421.	3231.	3020.	2798.	2558.	2271. 1983.
	10.0	2971.	3006.	2994.	2899.	2778.	2674.	2525.	2352.	2168. 1965.
	5.0	2410.	2431.	2443.	2399.	2306.	2272.	2198.	2120.	2021. 1920.
	0.0	1885.	1885.	1885.	1885.	1885.	1885.	1885.	1885.	1885.
		PLANE OF MAXIMUM CANDELA								
		CONE OF MAXIMUM CANDELA								

REPORT NUMBER: PRORATED FROM RAB02661  
 ISSUE DATE: 11/07/16  
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 8 OF 9

### 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	11.	11.	11.	11.	10.	9.	8.	7.	6.	6.	6.
	87.5	11.	11.	11.	10.	9.	9.	7.	6.	5.	5.	5.
	85.0	11.	11.	10.	10.	9.	8.	7.	5.	4.	4.	3.
V	82.5	10.	10.	10.	9.	8.	7.	6.	5.	3.	2.	2.
E	80.0	10.	10.	10.	9.	8.	7.	6.	4.	3.	1.	1.
R	77.5	11.	10.	11.	10.	7.	6.	5.	4.	2.	1.	0.
T	75.0	13.	10.	16.	15.	8.	6.	4.	3.	2.	0.	0.
I	72.5	79.	58.	25.	23.	9.	6.	4.	3.	1.	0.	0.
C	70.0	166.	94.	36.	24.	13.	6.	4.	3.	1.	0.	0.
A	67.5	271.	127.	59.	22.	14.	7.	5.	3.	2.	0.	0.
L	65.0	393.	180.	84.	22.	15.	9.	5.	4.	3.	1.	0.
	62.5	505.	241.	112.	26.	15.	10.	7.	5.	4.	4.	4.
A	60.0	611.	305.	137.	34.	14.	11.	9.	9.	9.	8.	8.
N	57.5	705.	373.	157.	54.	17.	11.	13.	15.	17.	17.	16.
G	55.0	795.	444.	175.	84.	21.	14.	15.	19.	22.	22.	22.
L	52.5	884.	516.	194.	114.	31.	17.	18.	23.	27.	28.	28.
E	50.0	965.	588.	212.	137.	50.	24.	22.	25.	29.	32.	32.
	47.5<<	1035.	661.	225.	159.	84.	38.	27.	28.	30.	32.	33.
	45.0	1096.	726.	243.	177.	120.	53.	38.	32.	33.	34.	34.
	42.5	1160.	790.	267.	193.	147.	84.	50.	43.	38.	38.	38.
	40.0	1235.	866.	312.	217.	169.	121.	72.	56.	55.	50.	50.
	37.5	1321.	956.	379.	244.	192.	154.	115.	81.	67.	65.	65.
	35.0	1406.	1055.	474.	278.	223.	192.	172.	144.	115.	93.	94.
	30.0	1575.	1265.	711.	383.	339.	294.	283.	278.	268.	256.	258.
	25.0	1692.	1442.	955.	580.	441.	426.	396.	398.	399.	395.	394.
	20.0	1775.	1581.	1182.	852.	606.	512.	513.	514.	505.	499.	493.
	15.0	1826.	1682.	1385.	1114.	902.	725.	628.	584.	565.	566.	566.
	10.0	1855.	1757.	1572.	1388.	1211.	1115.	981.	911.	860.	840.	829.
	5.0	1865.	1815.	1731.	1654.	1568.	1497.	1433.	1397.	1346.	1358.	1345.
	0.0	1885.	1885.	1885.	1885.	1885.	1885.	1885.	1885.	1885.	1885.	1885.

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB02661  
 ISSUE DATE: 11/07/16  
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 9 OF 9

### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	45
5- 10	135
10- 15	225
15- 20	323
20- 25	425
25- 30	524
30- 35	623
35- 40	719
40- 45	812
45- 50	894
50- 55	951
55- 60	968
60- 65	913
65- 70	781
70- 75	624
75- 80	423
80- 85	165
85- 90	22
90- 95	2
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	180
0- 20	729
0- 30	1677
0- 40	3019
0- 50	4726
0- 60	6645
0- 70	8339
0- 80	9386
0- 90	9573
0-100	9575
0-110	9575
0-120	9575
0-130	9575
0-140	9575
0-150	9575
0-160	9575
0-170	9575
0-180	9575