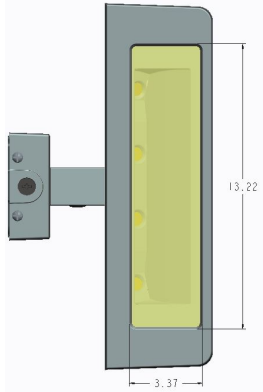


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



REPORT NUMBER: PRORATED FROM RAB01939
 ISSUE DATE: 06/08/16 PAGE: 1 OF 9
 DATE SAMPLE TESTED: 05/09/16
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: WPLEDFC104Y/480 /
 ALEDFC104Y/480 (0-DEGREE UPTILT)
 LUMINAIRE: CAST FINNED METAL HOUSING,
 2-PIECE EXTRUDED METAL HEAT SINK, 4
 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: FOUR WHITE MULTI-CHIP LIGHT
 EMITTING DIODES (LEDs), TILTED
 30-DEGREES FROM VERTICAL BASE-UP
 POSITION, 2 LEDS CANTED 12-DEGREES
 FROM STRAIGHT AHEAD.
 (SEE PAGE 2 FOR MORE INFORMATION)

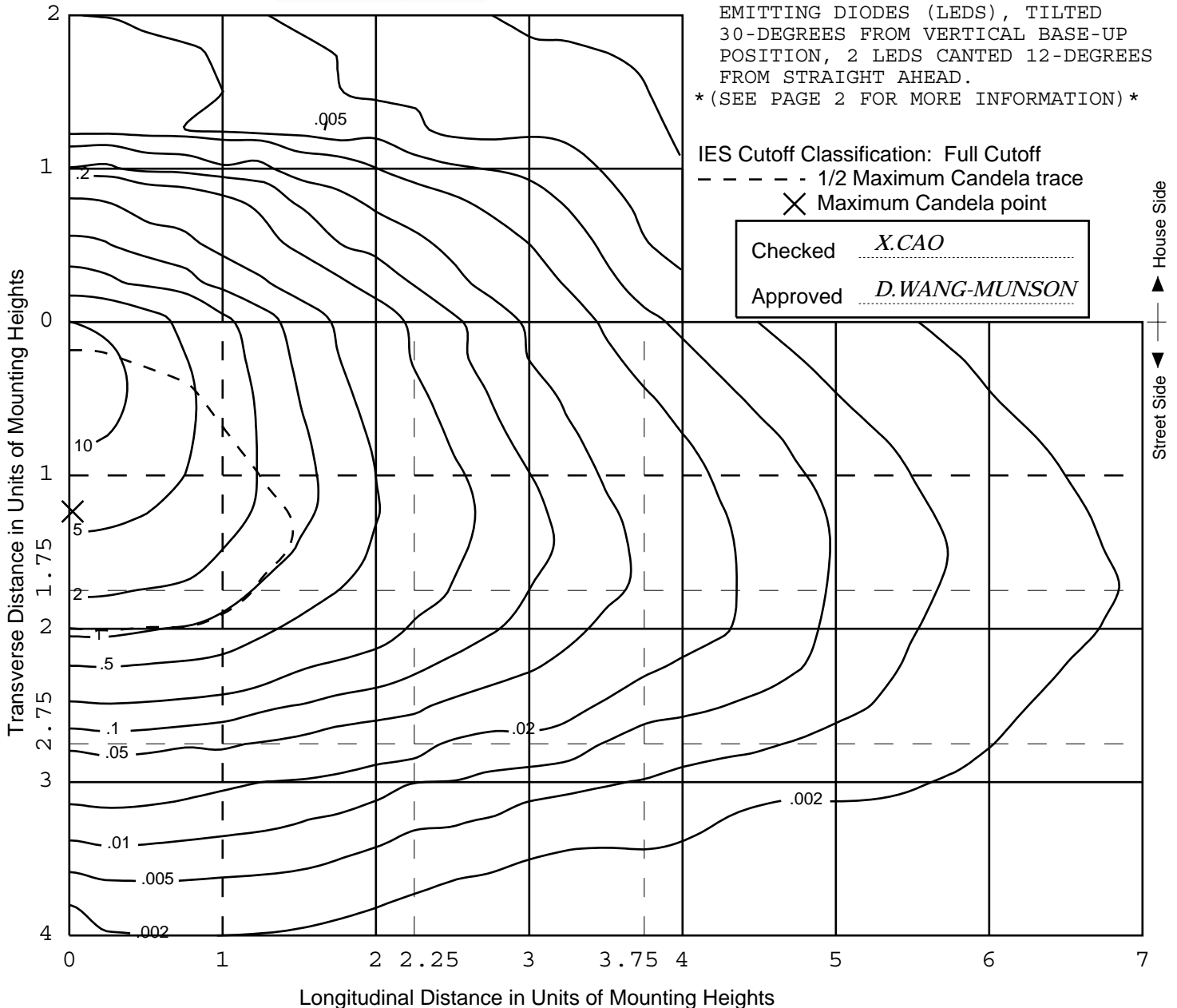
IES Cutoff Classification: Full Cutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



REPORT NUMBER: PRORATED FROM RAB01939
ISSUE DATE: 06/08/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 2 OF 9
DATE SAMPLE TESTED: 05/09/16

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB01939 WHICH WAS WPLEDFC104Y.
ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 112.97 W AT 480.0 VAC.

LED DRIVER: RD-T150-A-700/480

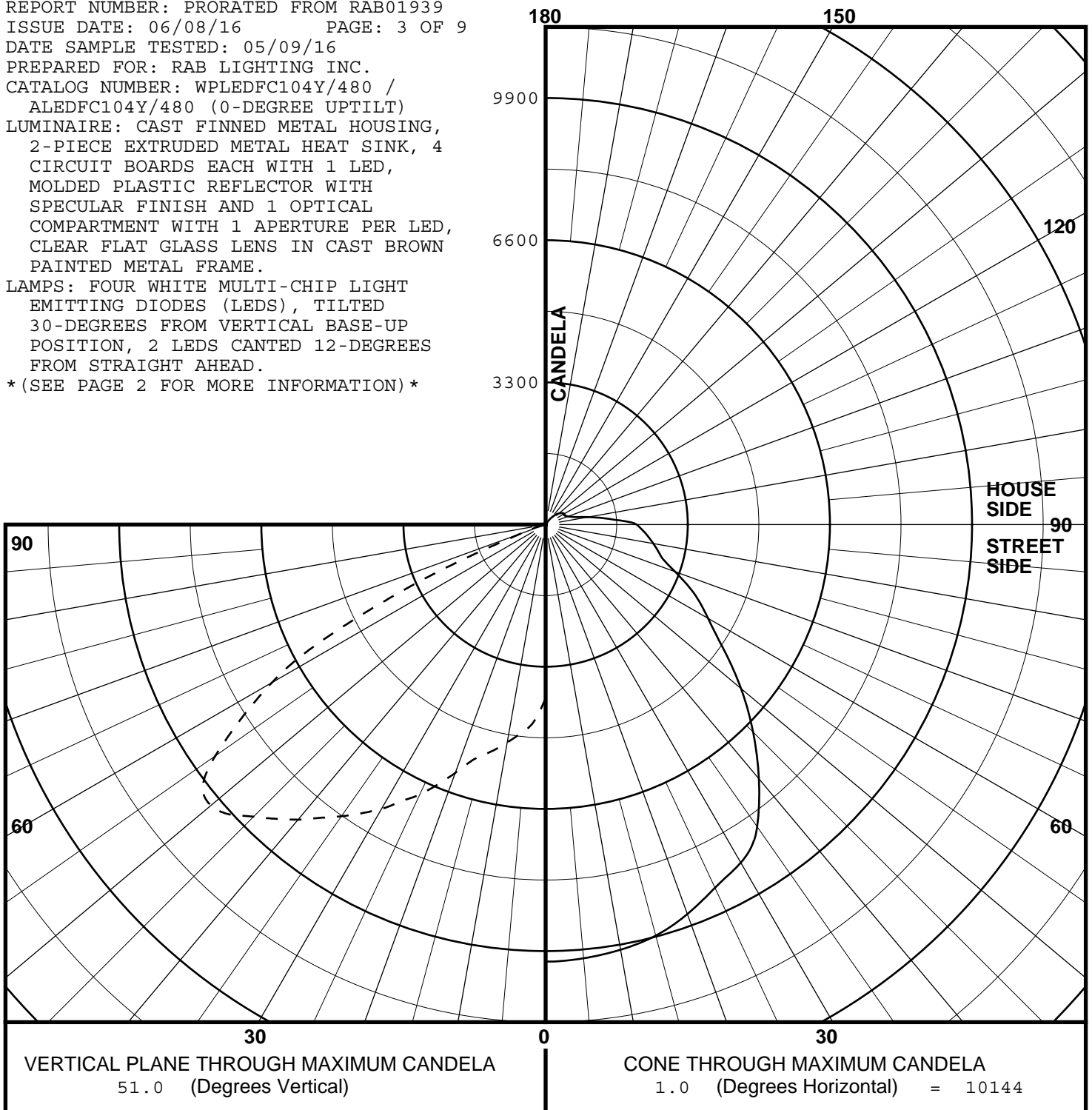
TEST PROCEDURE: IESNA LM-79-08

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

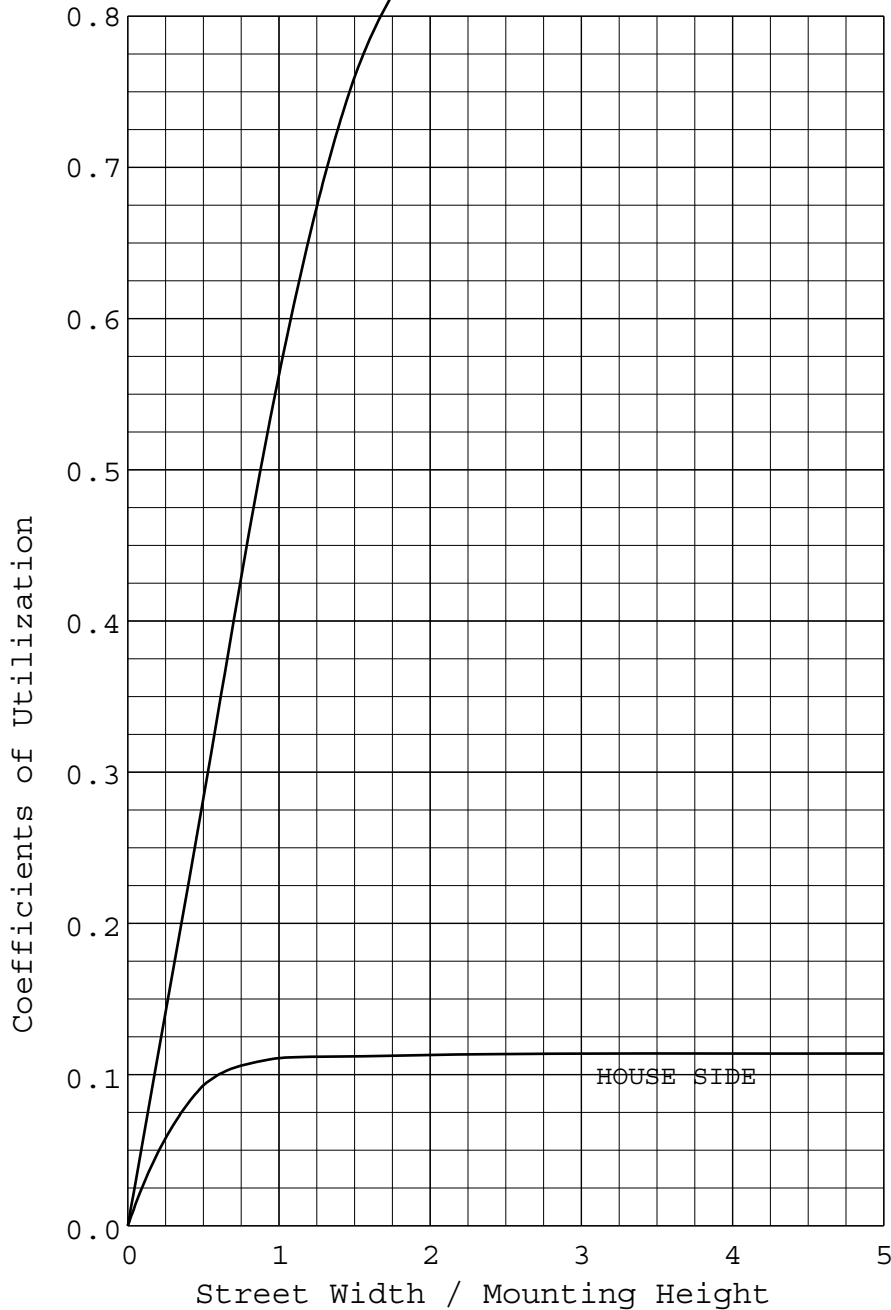
REPORT NUMBER: PRORATED FROM RAB01939
 ISSUE DATE: 06/08/16 PAGE: 3 OF 9
 DATE SAMPLE TESTED: 05/09/16
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: WPLEDFC104Y/480 /
 ALEDFC104Y/480 (0-DEGREE UPTILT)
 LUMINAIRE: CAST FINNED METAL HOUSING,
 2-PIECE EXTRUDED METAL HEAT SINK, 4
 CIRCUIT BOARDS EACH 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: FOUR WHITE MULTI-CHIP LIGHT
 EMITTING DIODES (LEDs), TILTED
 30-DEGREES FROM VERTICAL BASE-UP
 POSITION, 2 LEDS CANTED 12-DEGREES
 FROM STRAIGHT AHEAD.
 (SEE PAGE 2 FOR MORE INFORMATION)



REPORT NUMBER: PRORATED FROM RAB01939
ISSUE DATE: 06/08/16
PREPARED FOR: RAB LIGHTING INC STREET SIDE

PAGE: 4 OF 9
DATE SAMPLE TESTED: 05/09/16

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	11546.	88.5
DOWNWARD HOUSE SIDE	1499.	11.5
DOWNWARD TOTAL	13045.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	13045.	100.0
TOTAL INPUT WATTS = 112.97		
EFFICACY = 115.5 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 RAB01939
 ISSUE DATE: 06/08/16
 PREPARED FOR: RAB LIGHTING INC.

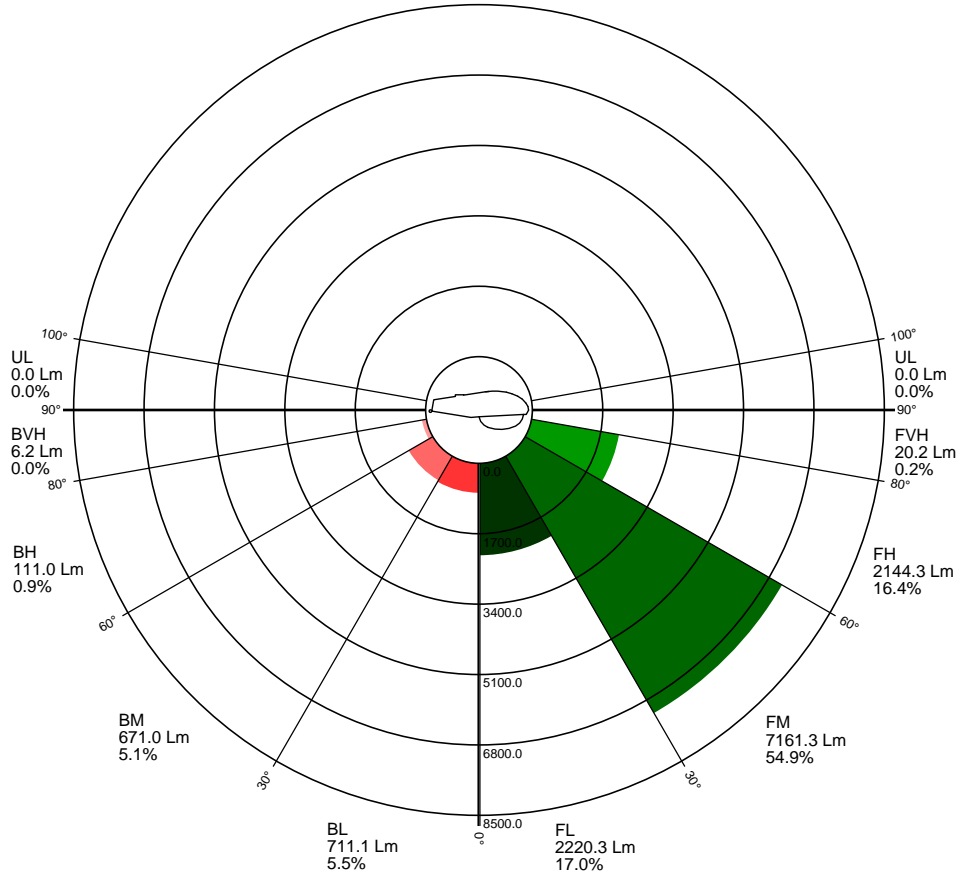
PAGE: 5 OF 9
 DATE SAMPLE TESTED: 05/09/16

BUG Rating:				B2	U0	G2
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		11546	88.5			
FL	(0° – 30°)	2220.3	17.0			
FM	(30° – 60°)	7161.3	54.9			
FH	(60° – 80°)	2144.3	16.4			G2
FVH	(80° – 90°)	20.2	0.2			G1
Backward		1499	11.5			
BL	(0° – 30°)	711.1	5.5	B2		
BM	(30° – 60°)	671.0	5.1	B1		
BH	(60° – 80°)	111.0	0.9	B1		G1
BVH	(80° – 90°)	6.2	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		13045	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

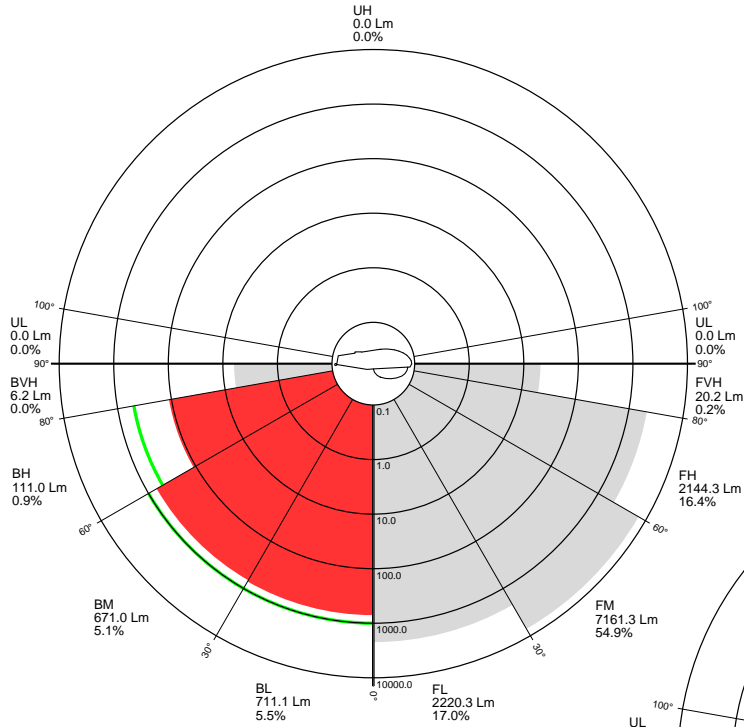


REPORT NUMBER: PRORATED FROM RAB01939
 ISSUE DATE: 06/08/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 9
 DATE SAMPLE TESTED: 05/09/16

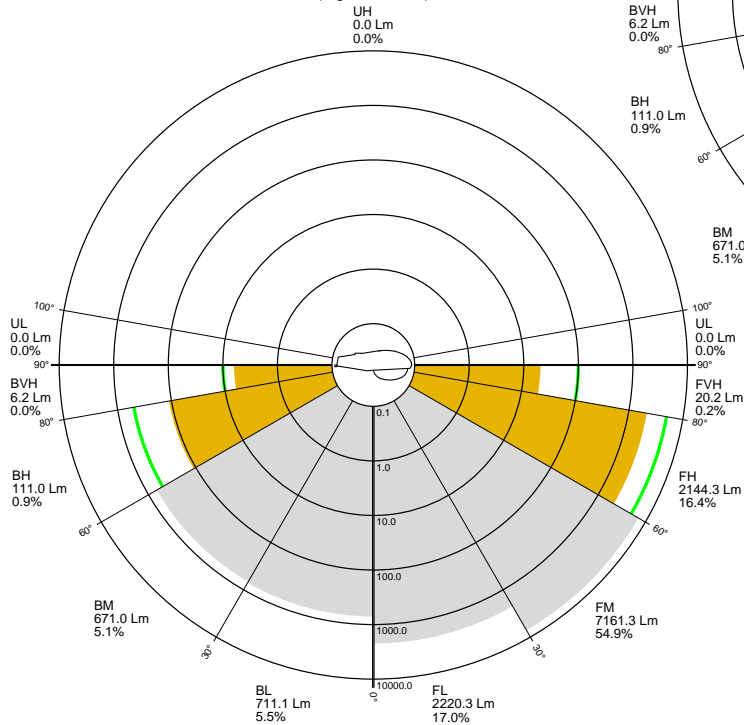
Backlight Rating Details

(Logarithmic scale)



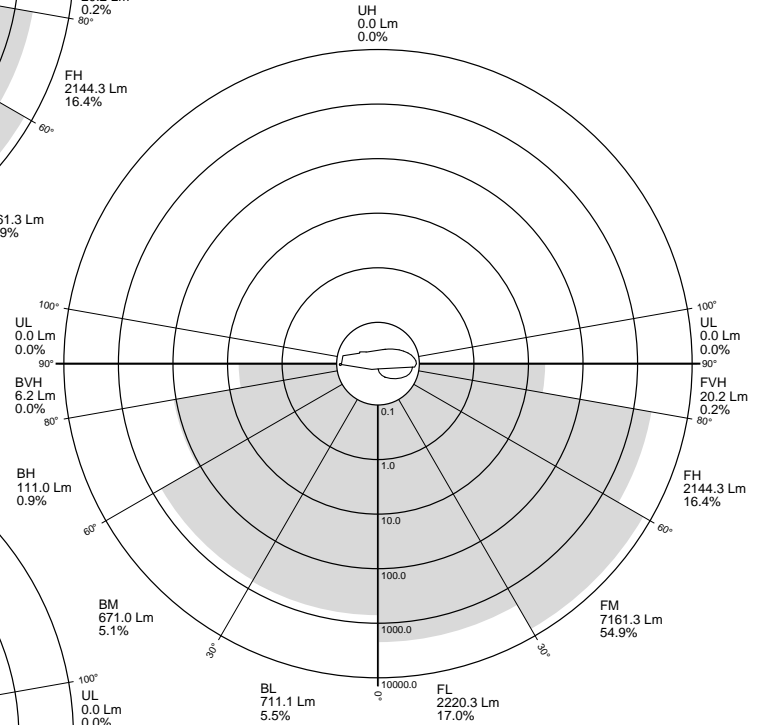
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



PAGE: 7 OF 9
DATE SAMPLE TESTED: 05/09/16

STREET SIDE

0.0 1.0 5.0 15.0 25.0 35.0 45.0 55.0 65.0 75.0 85.0

[illegible]

PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB01939
 ISSUE DATE: 06/08/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 8 OF 9
 DATE SAMPLE TESTED: 05/09/16

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
		90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
		87.5	14.	14.	14.	13.	12.	10.	8.	6.	4. 3.
		85.0	18.	16.	16.	13.	12.	10.	9.	7.	5. 5.
		82.5	84.	33.	20.	19.	12.	10.	8.	7.	5. 5.
		80.0	137.	65.	30.	36.	15.	11.	9.	7.	5. 5.
		77.5	193.	96.	28.	53.	23.	12.	10.	8.	7. 6.
		75.0	276.	142.	95.	59.	30.	19.	14.	13.	12. 12.
		72.5	457.	311.	167.	36.	43.	23.	21.	20.	18. 19. 18.
		70.0	712.	397.	212.	39.	43.	34.	24.	25.	26. 29. 29.
V	67.5	928.	548.	293.	78.	30.	38.	35.	29.	28.	31. 31.
E	65.0	1109.	694.	327.	171.	20.	35.	41.	40.	35.	37. 37.
R	62.5	1332.	842.	356.	249.	34.	25.	40.	44.	45.	51. 50.
T	60.0	1495.	943.	404.	297.	110.	17.	30.	40.	44.	52. 51.
I	57.5	1626.	1036.	460.	387.	271.	30.	18.	31.	38.	46. 45.
C	55.0	1798.	1207.	576.	446.	399.	99.	24.	19.	26.	33. 33.
A	52.5	2013.	1397.	645.	478.	447.	241.	44.	21.	17.	21. 21.
L	51.0<<	2112.	1487.	682.	496.	467.	317.	88.	28.	20.	18. 18.
	50.0	2182.	1556.	709.	513.	484.	359.	130.	36.	26.	22. 22.
A	47.5	2412.	1741.	767.	560.	515.	407.	250.	104.	57.	38. 37.
N	45.0	2635.	1921.	831.	614.	536.	425.	335.	228.	179.	118. 117.
G	42.5	2877.	2137.	930.	670.	564.	448.	368.	344.	335.	271. 273.
L	40.0	3079.	2379.	1089.	724.	598.	466.	393.	412.	444.	412. 415.
E	37.5	3248.	2551.	1291.	777.	629.	490.	423.	461.	479.	473. 474.
	35.0	3354.	2693.	1493.	872.	654.	519.	468.	508.	512.	500. 501.
	30.0	3539.	2989.	1879.	1039.	705.	600.	603.	607.	586.	572. 569.
	25.0	3711.	3239.	2203.	1334.	891.	750.	743.	713.	690.	671. 671.
	20.0	3730.	3348.	2528.	1854.	1328.	1057.	948.	833.	801.	780. 788.
	15.0	3878.	3597.	3010.	2457.	1987.	1601.	1331.	1170.	1093.	1060. 1073.
	10.0	3987.	3796.	3399.	2999.	2655.	2376.	2164.	1982.	1889.	1806. 1799.
	5.0	4011.	3919.	3730.	3555.	3391.	3244.	3123.	3025.	2958.	2895. 2922.
	0.0	4034.	4034.	4034.	4034.	4034.	4034.	4034.	4034.	4034.	4034. 4034.

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB01939
ISSUE DATE: 06/08/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 9 OF 9
DATE SAMPLE TESTED: 05/09/16

5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	95
5- 10	270
10- 15	422
15- 20	561
20- 25	711
25- 30	871
30- 35	1028
35- 40	1187
40- 45	1328
45- 50	1431
50- 55	1472
55- 60	1387
60- 65	1148
65- 70	704
70- 75	305
75- 80	98
80- 85	22
85- 90	4

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	365
0- 20	1349
0- 30	2931
0- 40	5146
0- 50	7905
0- 60	10764
0- 70	12615
0- 80	13019
0- 90	13045