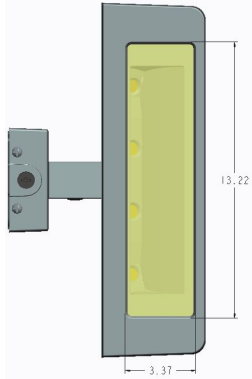


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



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 ISSUE DATE: 05/11/16 PAGE: 1 OF 9
 DATE SAMPLE TESTED: 05/11/16
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: WPLEDC104N/480 /
 ALEDC104N/480 (7.5-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
 37.5-DEGREES FROM VERTICAL BASE-UP
 POSITION, 2 LEDS CANTED 12-DEGREES
 FROM STRAIGHT AHEAD.
 (SEE PAGE 2 FOR MORE INFORMATION)

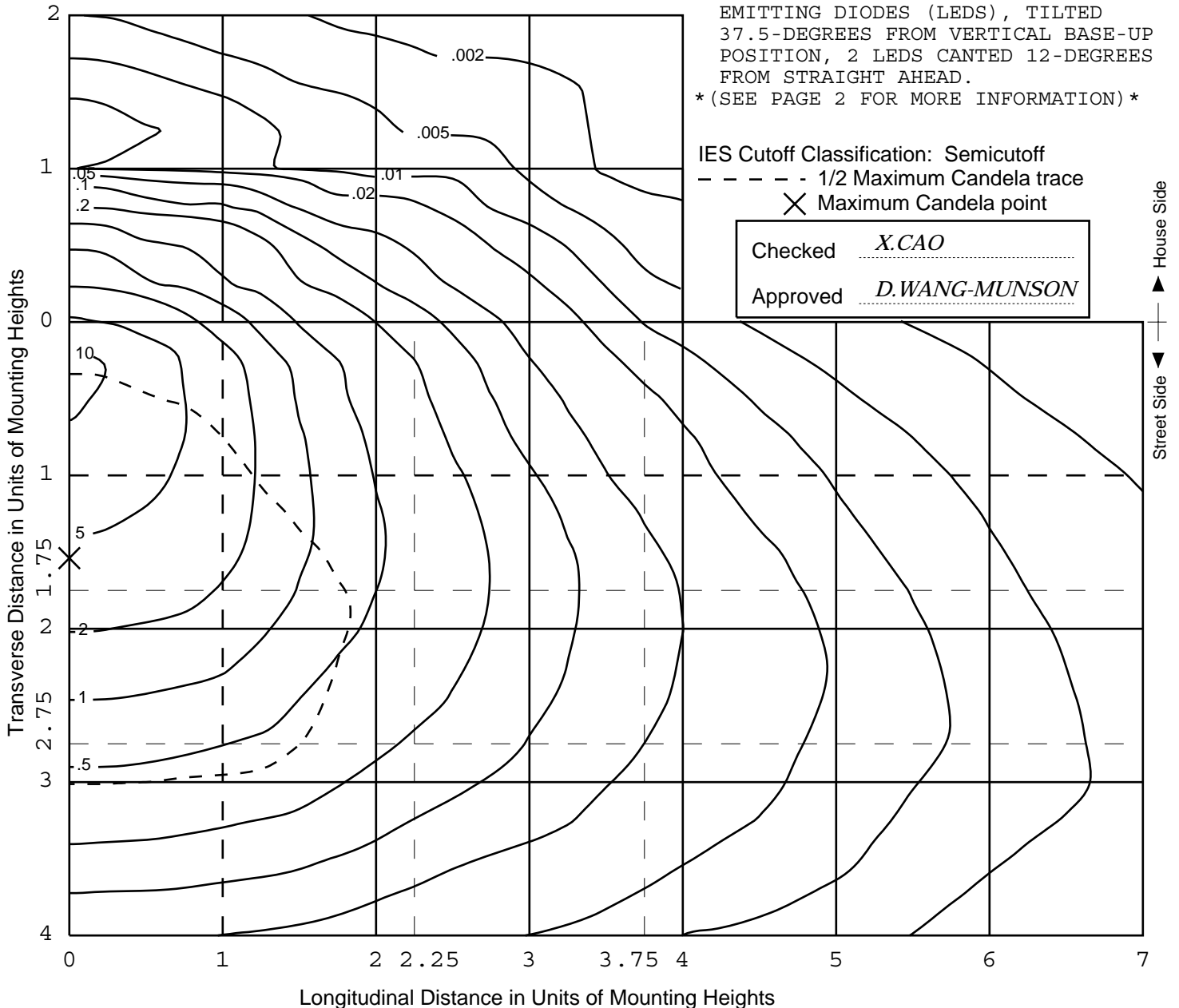
IES Cutoff Classification: Semicutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



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ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB01942 WHICH WAS WPLED104N.
ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 111.6 W AT 480.0 VAC.

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

TEST PROCEDURE: IESNA LM-79-08

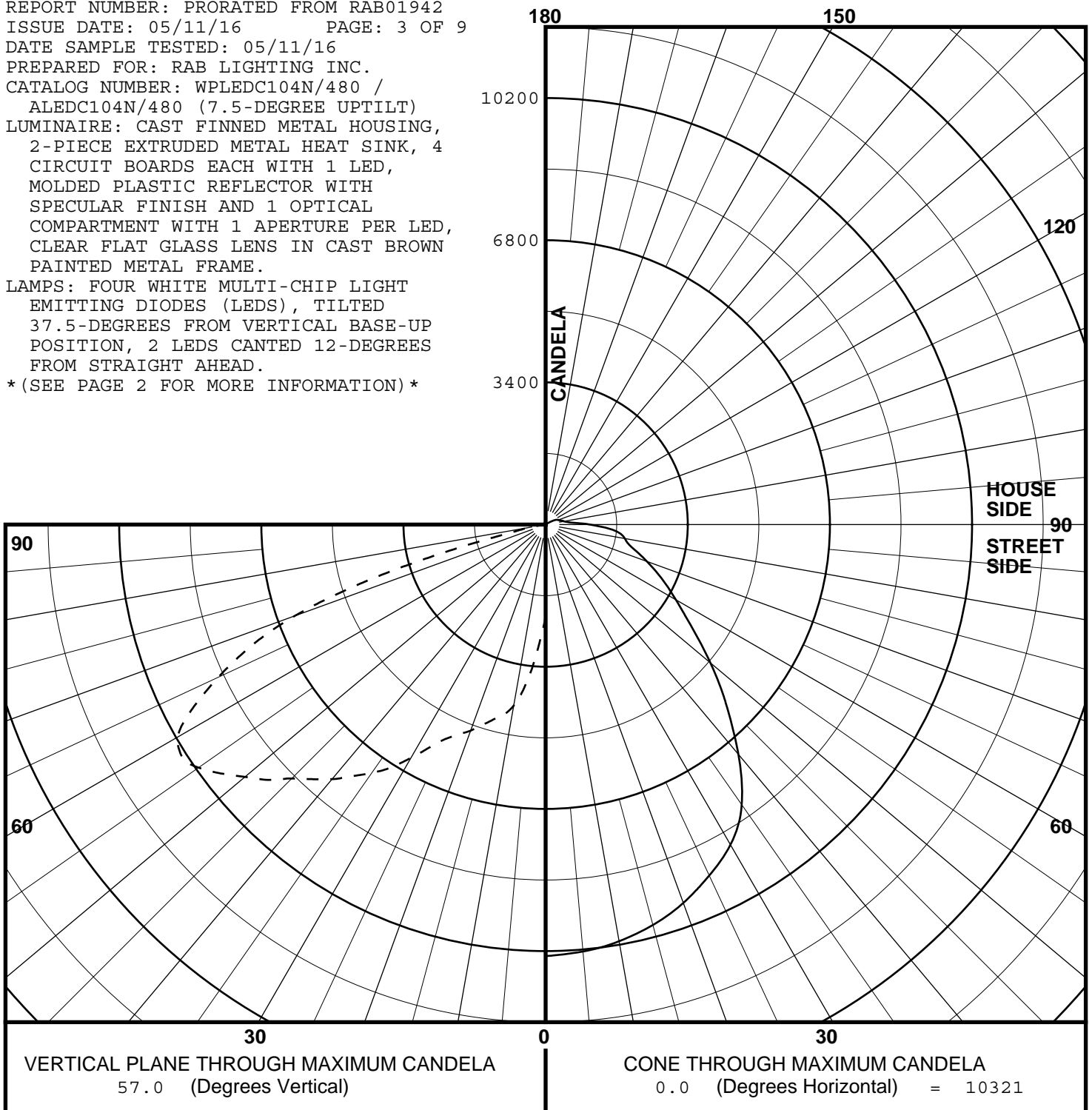
ACCREDITED LABORATORY CODE 201058-0

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

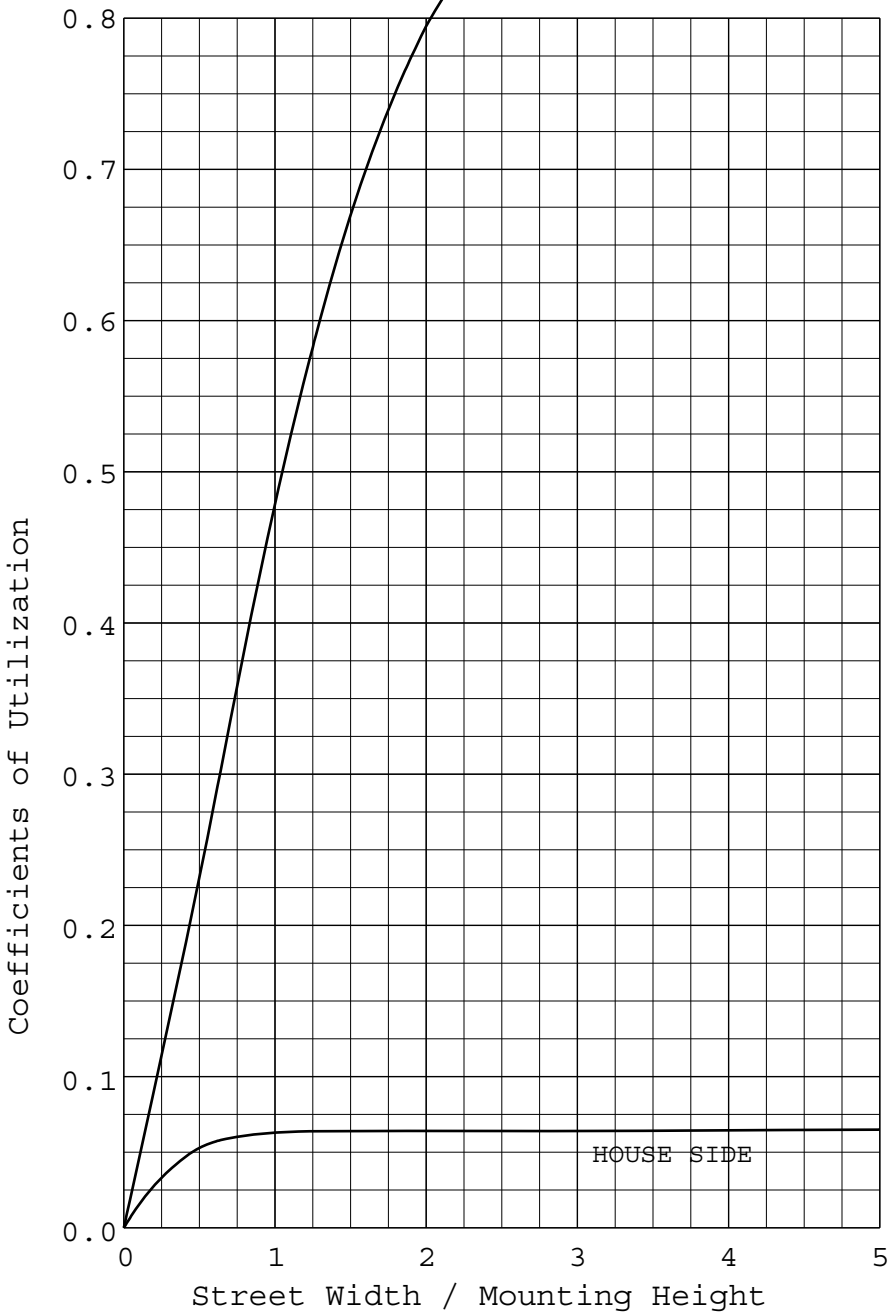
REPORT NUMBER: PRORATED FROM RAB01942
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 DATE SAMPLE TESTED: 05/11/16
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: WPLEDC104N/480 /
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 POSITION, 2 LEDS CANTED 12-DEGREES
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	12374.	93.5
DOWNWARD HOUSE SIDE	867.	6.5
DOWNWARD TOTAL	13241.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	13241.	100.0
TOTAL INPUT WATTS = 111.6		
EFFICACY = 118.6 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.

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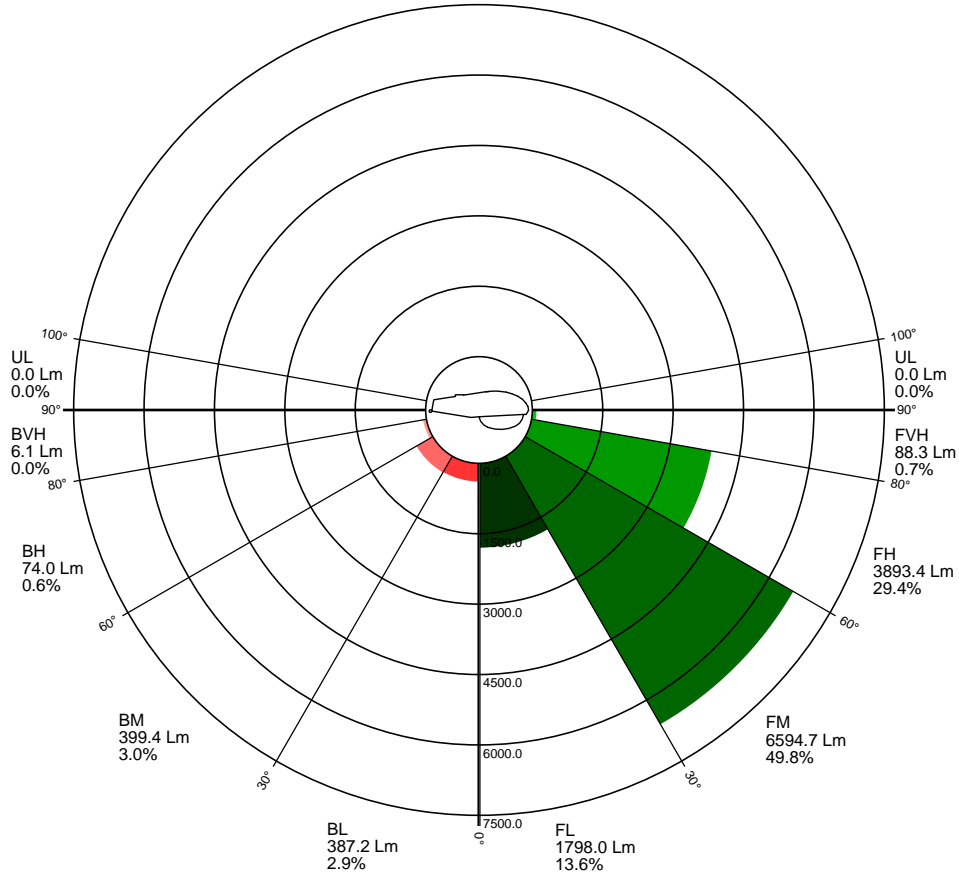
PAGE: 5 OF 9
 DATE SAMPLE TESTED: 05/11/16

BUG Rating:				B1 U0 G2		
Zonal Summary				Zone Ratings		
		Lumens	% of Fixture	B	U	G
Forward		12374	93.5			
FL	(0° - 30°)	1798.0	13.6			
FM	(30° - 60°)	6594.7	49.8			
FH	(60° - 80°)	3893.4	29.4			G2
FVH	(80° - 90°)	88.3	0.7			G1
Backward		867	6.5			
BL	(0° - 30°)	387.2	2.9	B1		
BM	(30° - 60°)	399.4	3.0	B1		
BH	(60° - 80°)	74.0	0.6	B0		G0
BVH	(80° - 90°)	6.1	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		13241	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%



REPORT NUMBER: PRORATED FROM RAB01942

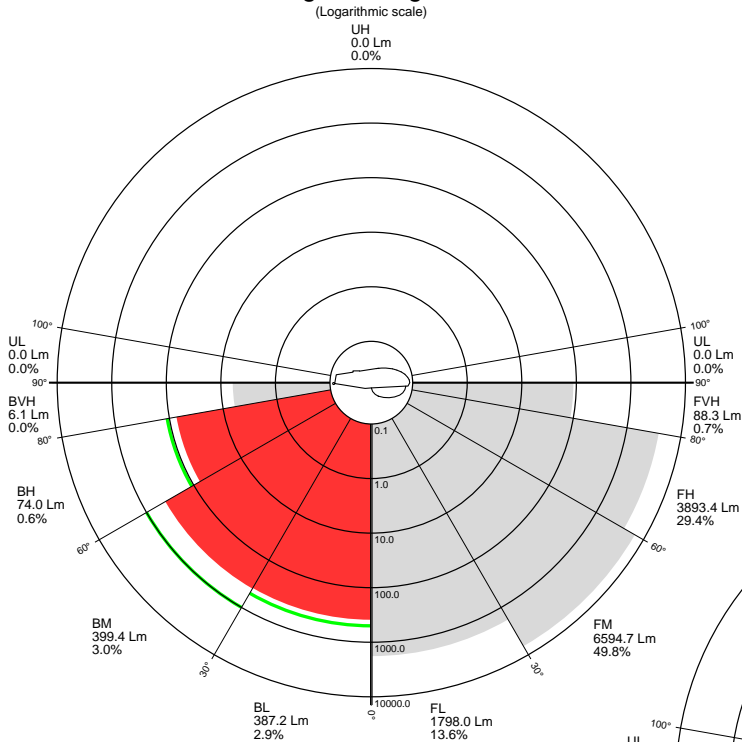
ISSUE DATE: 05/11/16

PREPARED FOR: RAB LIGHTING INC.

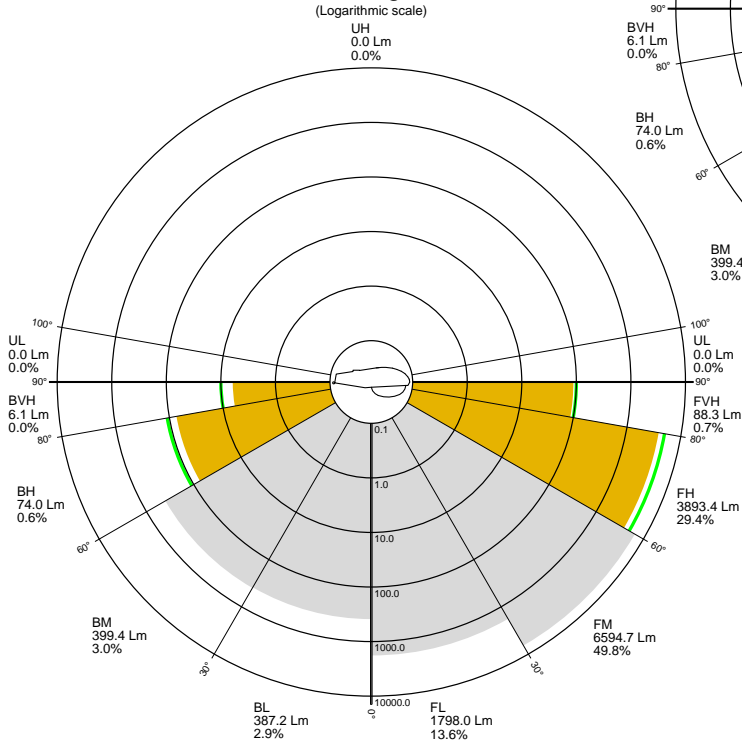
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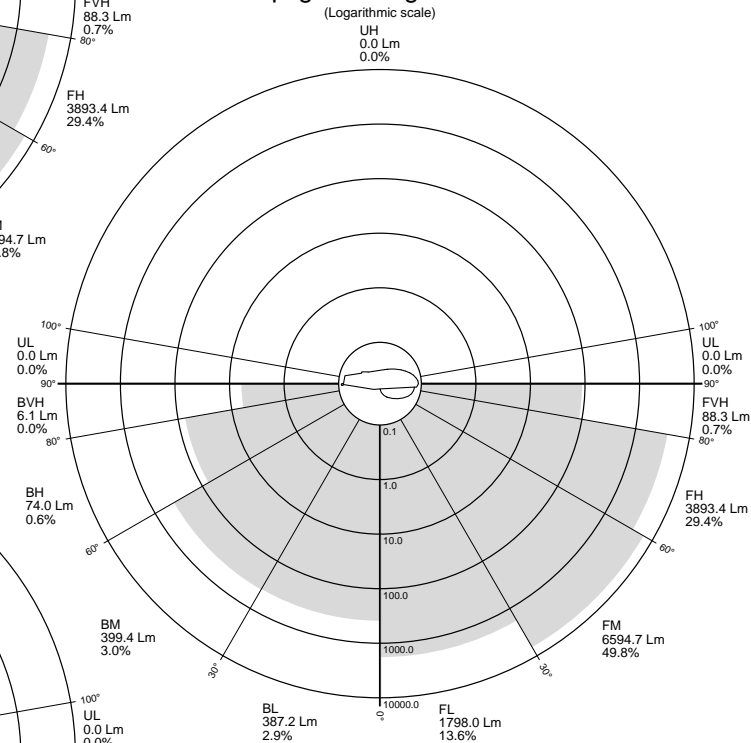
Backlight Rating Details



Glare Rating Details



Uplight Rating Details



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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
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	21.	20.	18.	15.	16.	19.	15.	20.	23.
	85.0	29.	29.	32.	27.	25.	32.	69.	124.	240.
	82.5	42.	56.	77.	128.	168.	157.	299.	759.	444.
	80.0	366.	370.	359.	347.	380.	738.	1377.	1283.	621.
	77.5	726.	727.	764.	1038.	1438.	2290.	2294.	1851.	736.
	75.0	2216.	2206.	2439.	3048.	3253.	3493.	2900.	2134.	962.
	72.5	4518.	4503.	4730.	5316.	4627.	4212.	3507.	2307.	1156.
	70.0	6383.	6528.	6638.	6985.	5536.	4902.	3856.	2399.	1346.
V	67.5	7664.	7731.	7711.	8181.	6539.	5396.	3985.	2522.	1518.
E	65.0	8640.	8705.	8652.	9090.	7464.	5613.	3986.	2655.	1682.
R	62.5	9522.	9577.	9477.	9552.	7984.	5745.	4007.	2796.	1848.
T	60.0	10160.	10155.	9890.	9557.	8229.	5884.	4056.	2928.	1984.
I	57.5	10318.	10276.	9940.	9331.	8216.	6090.	4220.	3039.	2119.
C	57.0	10321.	10250.	9914.	9261.	8179.	6120.	4264.	3068.	2148.
A	55.0	10136.	10050.	9722.	8985.	8047.	6232.	4490.	3203.	2268.
L	52.5	9779.	9689.	9372.	8668.	7787.	6320.	4782.	3391.	2442.
	50.0	9386.	9329.	9052.	8378.	7430.	6367.	5026.	3585.	2681.
A	47.5	9040.	9005.	8662.	8003.	7132.	6275.	5155.	3816.	2930.
N	45.0	8589.	8548.	8244.	7693.	6884.	6112.	5168.	4016.	3215.
G	42.5	8259.	8189.	7920.	7413.	6639.	5893.	5059.	4177.	3477.
L	40.0	7949.	7867.	7608.	7106.	6465.	5641.	4890.	4249.	3671.
E	37.5	7585.	7506.	7270.	6854.	6243.	5443.	4753.	4229.	3737.
	35.0	7251.	7207.	7000.	6563.	5991.	5289.	4688.	4198.	3741.
	30.0	6445.	6439.	6308.	5908.	5490.	5063.	4626.	4255.	3700.
	25.0	5654.	5685.	5626.	5424.	5202.	4870.	4549.	4204.	3548.
	20.0	5245.	5257.	5230.	5091.	4895.	4695.	4387.	3912.	3204.
	15.0	4827.	4847.	4827.	4762.	4643.	4450.	4144.	3631.	3019.
	10.0	4398.	4385.	4348.	4242.	4100.	3845.	3548.	3157.	2741.
	5.0	3349.	3300.	3306.	3204.	3117.	2944.	2809.	2611.	2448.
	0.0	2194.	2194.	2194.	2194.	2194.	2194.	2194.	2194.	2194.

||
 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
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	17.	16.	15.	14.	13.	12.	10.	8.	5.	4.
	85.0	21.	18.	16.	14.	13.	11.	9.	7.	5.	3.
	82.5	76.	25.	19.	14.	13.	11.	9.	7.	4.	3.
	80.0	127.	60.	28.	17.	12.	11.	9.	7.	4.	3.
	77.5	172.	78.	43.	32.	14.	11.	9.	7.	5.	3.
	75.0	226.	111.	31.	43.	17.	11.	9.	7.	4.	3.
	72.5	394.	250.	63.	57.	22.	13.	9.	7.	4.	3.
	70.0	563.	315.	123.	51.	28.	16.	11.	8.	6.	5.
V	67.5	717.	409.	208.	31.	42.	21.	17.	12.	10.	11.
E	65.0	810.	479.	269.	31.	42.	27.	21.	19.	16.	17.
R	62.5	929.	536.	292.	53.	31.	36.	27.	22.	23.	26.
T	60.0	1018.	548.	321.	121.	18.	40.	39.	28.	26.	29.
I	57.5	1055.	574.	370.	236.	26.	33.	43.	39.	34.	36.
C	57.0<<	1061.	584.	379.	263.	29.	31.	43.	40.	37.	39.
A	55.0	1161.	682.	444.	366.	48.	22.	40.	41.	44.	50.
L	52.5	1307.	829.	528.	439.	144.	22.	29.	36.	44.	52.
	50.0	1401.	890.	558.	478.	286.	35.	19.	29.	37.	47.
A	47.5	1498.	949.	581.	504.	393.	97.	27.	19.	26.	34.
N	45.0	1570.	990.	613.	529.	439.	207.	46.	22.	18.	23.
G	42.5	1642.	1034.	658.	558.	455.	313.	116.	37.	30.	25.
L	40.0	1732.	1113.	705.	585.	476.	369.	222.	99.	54.	39.
E	37.5	1834.	1217.	752.	614.	492.	388.	314.	227.	162.	107.
	35.0	1892.	1329.	797.	642.	506.	411.	363.	364.	314.	253.
	30.0	2004.	1501.	910.	662.	531.	460.	464.	485.	476.	468.
	25.0	2024.	1573.	943.	675.	595.	567.	577.	564.	549.	535.
	20.0	1980.	1623.	1059.	856.	741.	715.	689.	651.	628.	613.
	15.0	2118.	1852.	1376.	1086.	965.	828.	786.	752.	736.	725.
	10.0	2173.	1999.	1657.	1367.	1183.	1079.	1027.	960.	918.	880.
	5.0	2175.	2092.	1935.	1781.	1649.	1535.	1450.	1380.	1359.	1321.
	0.0	2194.	2194.	2194.	2194.	2194.	2194.	2194.	2194.	2194.	2194.

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	53
5- 10	168
10- 15	296
15- 20	423
20- 25	552
25- 30	693
30- 35	840
35- 40	981
40- 45	1119
45- 50	1251
50- 55	1363
55- 60	1441
60- 65	1433
65- 70	1267
70- 75	894
75- 80	372
80- 85	85
85- 90	10

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	221
0- 20	941
0- 30	2185
0- 40	4005
0- 50	6375
0- 60	9179
0- 70	11880
0- 80	13147
0- 90	13241