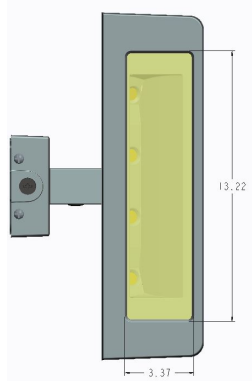


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



REPORT NUMBER: PRORATED FROM RAB01934
 ISSUE DATE: 06/08/16 PAGE: 1 OF 9
 DATE SAMPLE TESTED: 05/12/16
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: WPLEDFC104/480 /
 ALEDFC104/480 (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)

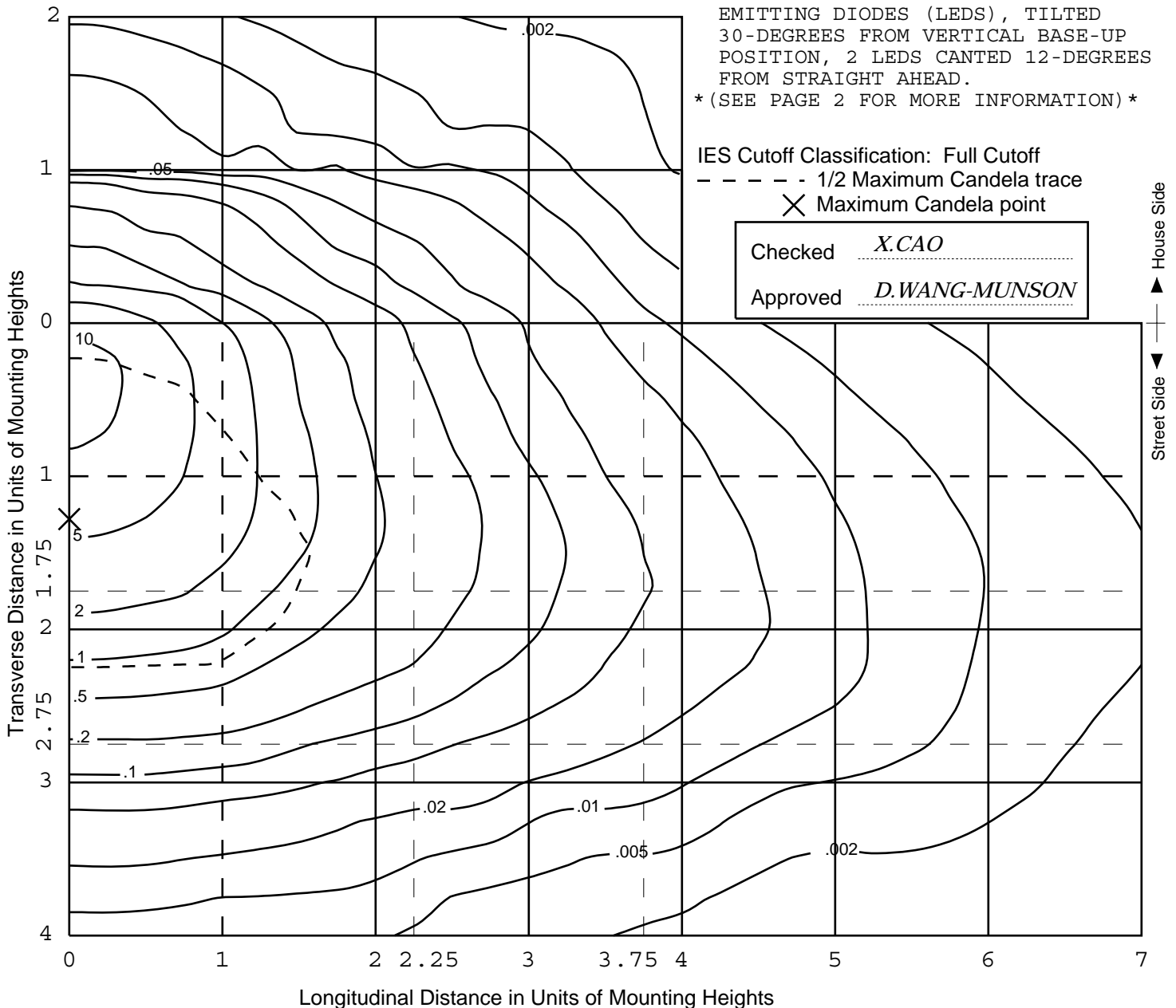
IES Cutoff Classification: Full Cutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



REPORT NUMBER: PRORATED FROM RAB01934
ISSUE DATE: 06/08/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 2 OF 9
DATE SAMPLE TESTED: 05/12/16

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB01934 WHICH WAS WPLEDFC104.
ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 112.46 W AT 480.0 VAC.

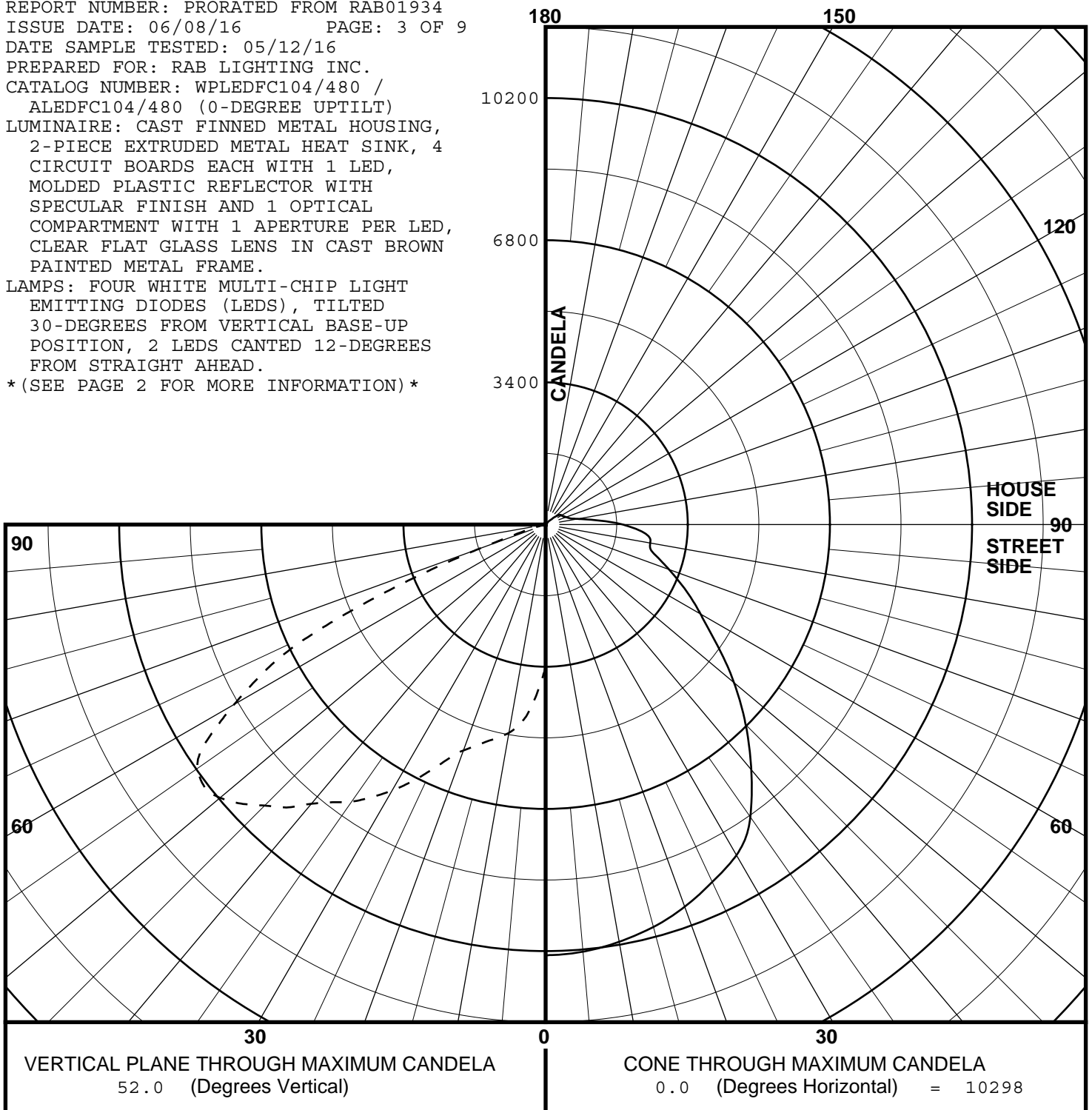
LED DRIVER: RD-T150-A-700/480

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.

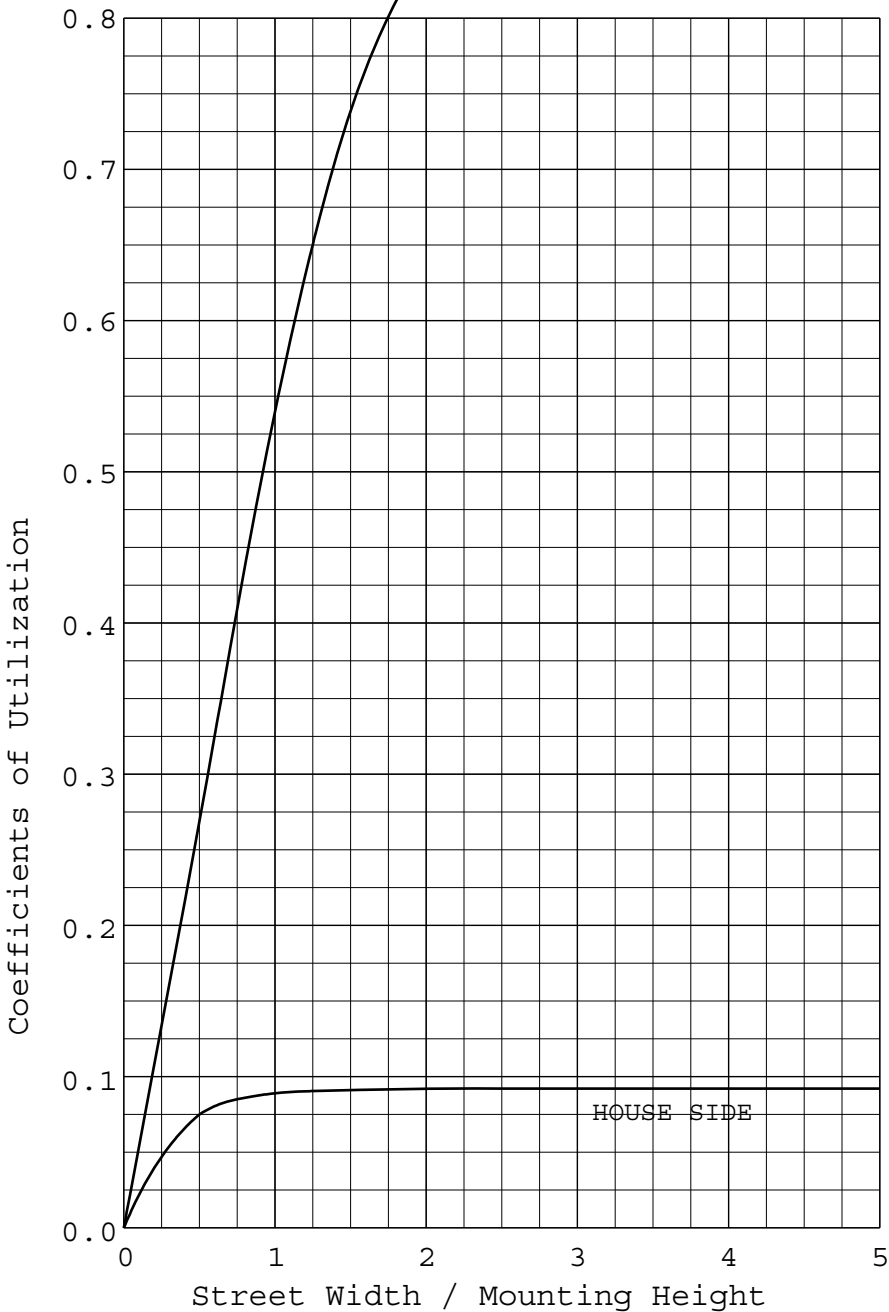
MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

REPORT NUMBER: PRORATED FROM RAB01934
 ISSUE DATE: 06/08/16 PAGE: 3 OF 9
 DATE SAMPLE TESTED: 05/12/16
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: WPLEDFC104/480 /
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 LUMINAIRE: CAST FINNED METAL HOUSING,
 2-PIECE EXTRUDED METAL HEAT SINK, 4
 CIRCUIT BOARDS EACH WITH 1 LED,
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 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 RAB01934
ISSUE DATE: 06/08/16 STREET SIDE DATE SAMPLE TESTED: 05/12/16
PREPARED FOR: RAB LIGHTING INC.

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	12054.	90.7
DOWNWARD HOUSE SIDE	1241.	9.3
DOWNWARD TOTAL	13295.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	13295.	100.0
TOTAL INPUT WATTS = 112.46		
EFFICACY = 118.2 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 RAB01934
 ISSUE DATE: 06/08/16
 PREPARED FOR: RAB LIGHTING INC.

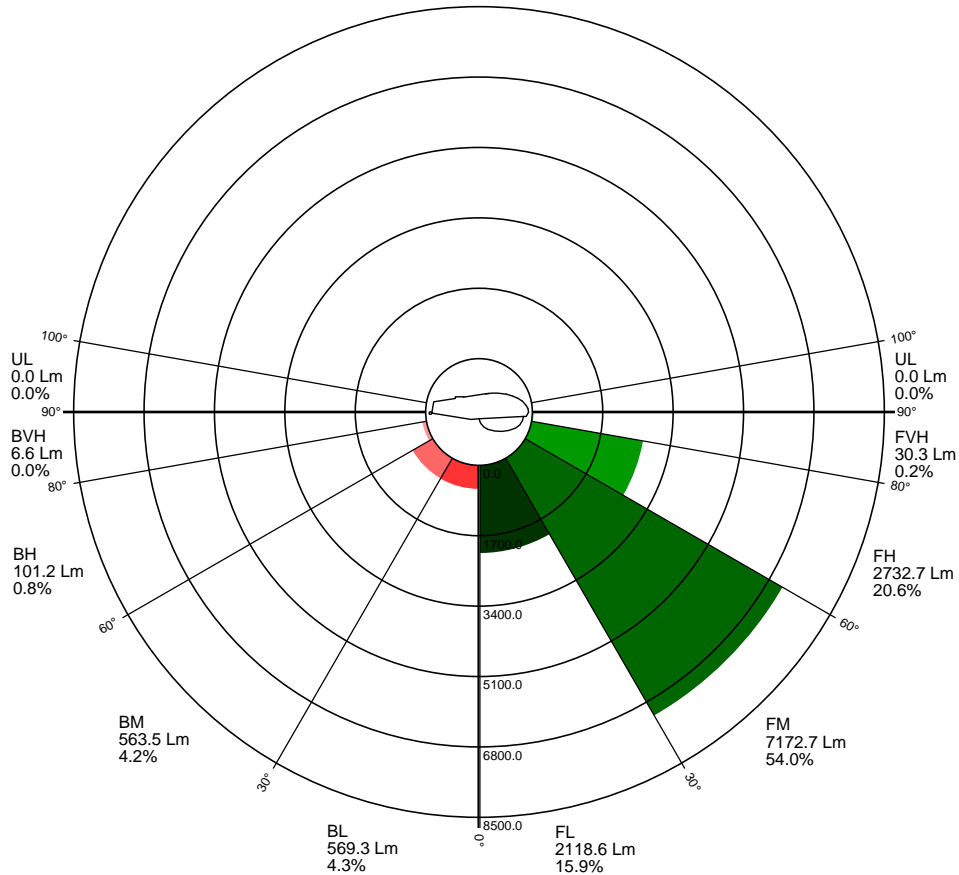
PAGE: 5 OF 9
 DATE SAMPLE TESTED: 05/12/16

BUG Rating:				B2	U0	G2
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		12054	90.7			
FL	(0° – 30°)	2118.6	15.9			
FM	(30° – 60°)	7172.7	54.0			
FH	(60° – 80°)	2732.7	20.6			G2
FVH	(80° – 90°)	30.3	0.2			G1
Backward		1241	9.3			
BL	(0° – 30°)	569.3	4.3	B2		
BM	(30° – 60°)	563.5	4.2	B1		
BH	(60° – 80°)	101.2	0.8	B0		G0
BVH	(80° – 90°)	6.6	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		13295	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

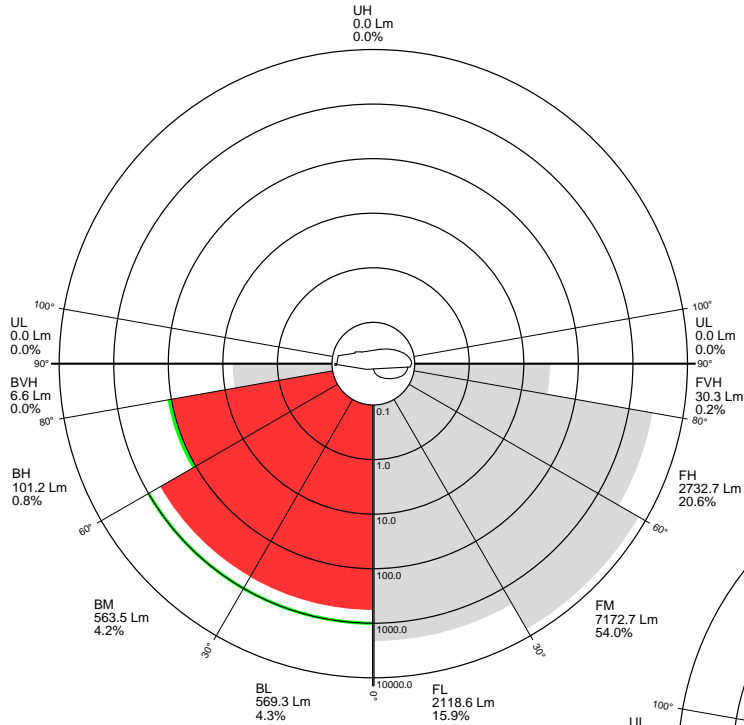


REPORT NUMBER: PRORATED FROM RAB01934
 ISSUE DATE: 06/08/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 9
 DATE SAMPLE TESTED: 05/12/16

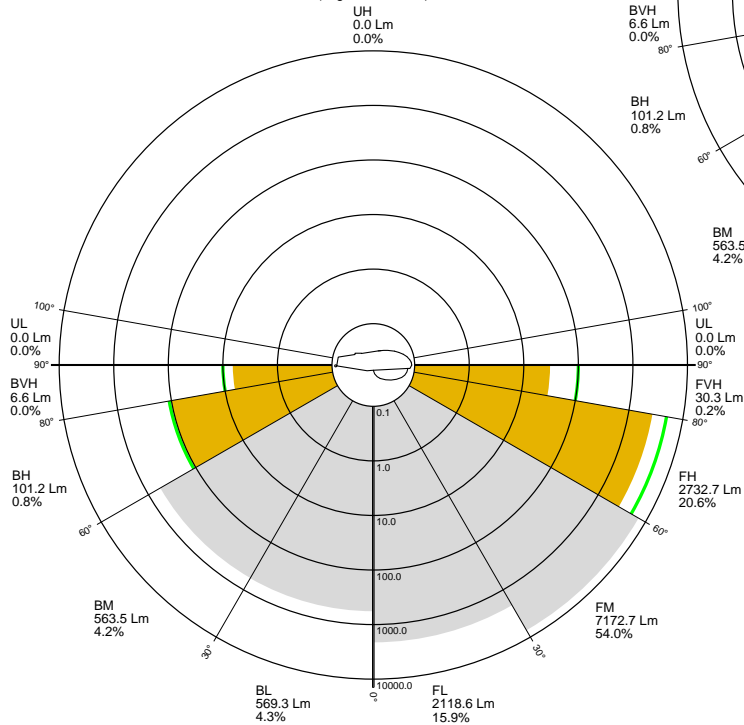
Backlight Rating Details

(Logarithmic scale)



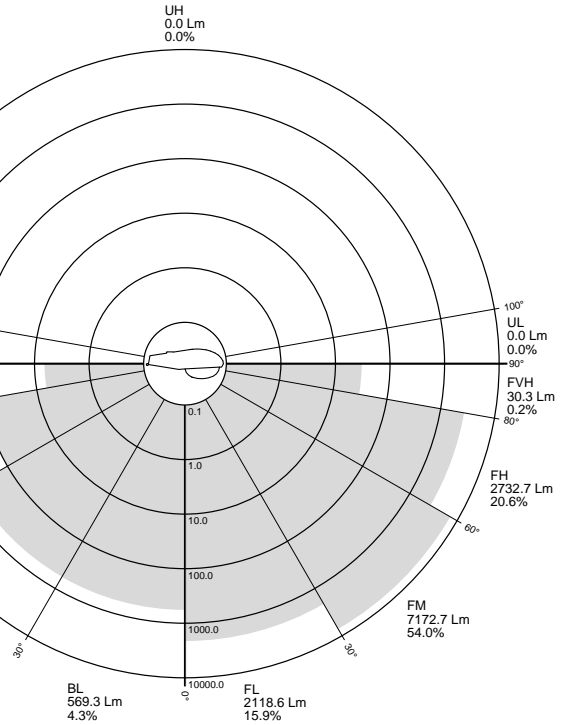
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



REPORT NUMBER: PRORATED FROM RAB01934
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PAGE: 7 OF 9
 DATE SAMPLE TESTED: 05/12/16

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	1.	1.	3.	5.	8.	10.	12.	14.	19.
	85.0	5.	5.	5.	8.	10.	13.	14.	22.	41.
	82.5	13.	13.	13.	14.	14.	18.	46.	137.	351.
	80.0	22.	23.	24.	27.	36.	104.	202.	789.	563.
	77.5	55.	71.	83.	208.	187.	334.	1014.	1372.	751.
	75.0	285.	290.	307.	381.	559.	1335.	2186.	1968.	951.
	72.5	639.	676.	786.	1134.	1749.	2897.	2870.	2340.	1174.
	70.0	1696.	1751.	2139.	2885.	3525.	3918.	3535.	2560.	1388.
V	67.5	3826.	3874.	4377.	5356.	4943.	4667.	4004.	2672.	1610.
E	65.0	6052.	6098.	6456.	7090.	5873.	5346.	4219.	2794.	1801.
R	62.5	7555.	7576.	7607.	8306.	7040.	5782.	4318.	2941.	1998.
T	60.0	8603.	8626.	8668.	9198.	7923.	6052.	4347.	3093.	2160.
I	57.5	9604.	9608.	9535.	9609.	8432.	6254.	4432.	3240.	2306.
C	55.0	10165.	10141.	9922.	9603.	8621.	6504.	4615.	3418.	2464.
A	52.5	10294.	10260.	9984.	9471.	8566.	6741.	4923.	3646.	2634.
L	52.0<	10298.	10253.	9962.	9433.	8538.	6768.	5003.	3694.	2680.
	50.0	10164.	10121.	9825.	9214.	8370.	6827.	5262.	3887.	2887.
A	47.5	9880.	9809.	9544.	8946.	8068.	6858.	5514.	4149.	3153.
N	45.0	9506.	9456.	9223.	8667.	7695.	6791.	5643.	4369.	3446.
G	42.5	9177.	9148.	8879.	8243.	7410.	6578.	5671.	4542.	3769.
L	40.0	8717.	8695.	8446.	7938.	7198.	6342.	5569.	4661.	4029.
E	37.5	8369.	8329.	8108.	7664.	6955.	6137.	5353.	4689.	4198.
	35.0	8092.	8017.	7797.	7348.	6728.	5954.	5149.	4636.	4267.
	30.0	7343.	7299.	7134.	6727.	6199.	5566.	5051.	4627.	4331.
	25.0	6479.	6465.	6364.	6046.	5665.	5340.	4998.	4722.	4398.
	20.0	5748.	5757.	5721.	5595.	5426.	5186.	4959.	4711.	4278.
	15.0	5363.	5377.	5361.	5300.	5201.	5056.	4902.	4626.	4203.
	10.0	5057.	5058.	5056.	4998.	4945.	4779.	4593.	4360.	4002.
	5.0	4473.	4447.	4439.	4371.	4334.	4182.	4048.	3896.	3703.
	0.0	3402.	3402.	3402.	3402.	3402.	3402.	3402.	3402.	3402.

||
 PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB01934
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PAGE: 8 OF 9
 DATE SAMPLE TESTED: 05/12/16

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	16.	16.	15.	14.	13.	11.	9.	6.	4. 3.
		85.0	20.	19.	17.	14.	13.	12.	10.	8.	6. 6.
		82.5	82.	29.	20.	17.	13.	11.	9.	8.	7. 7.
		80.0	145.	62.	31.	30.	14.	11.	9.	8.	7. 7.
		77.5	199.	85.	40.	45.	18.	12.	10.	8.	7. 7.
		75.0	276.	152.	65.	67.	27.	14.	11.	9.	8. 8.
		72.5	482.	293.	131.	67.	37.	21.	15.	13.	12. 12.
		70.0	713.	356.	195.	53.	48.	27.	23.	20.	17. 18.
V E R T I C A L	67.5	914.	475.	276.	57.	52.	36.	28.	27.	26.	27. 28.
	65.0	1082.	581.	310.	105.	46.	43.	39.	33.	32.	34. 34.
	62.5	1243.	717.	329.	188.	34.	47.	46.	43.	41.	42. 42.
	60.0	1383.	789.	358.	264.	47.	43.	50.	49.	49.	53. 52.
	57.5	1493.	847.	422.	357.	129.	33.	49.	51.	52.	58. 57.
	55.0	1648.	1005.	520.	427.	276.	40.	39.	49.	53.	58. 57.
	52.5	1821.	1188.	581.	461.	390.	102.	33.	41.	50.	55. 55.
	52.0<<	1849.	1209.	589.	469.	403.	126.	33.	37.	48.	53. 53.
	50.0	1962.	1326.	615.	498.	439.	227.	49.	34.	41.	47. 46.
	47.5	2121.	1449.	652.	525.	468.	336.	125.	40.	37.	39. 39.
A N G L E	45.0	2275.	1570.	699.	561.	498.	389.	234.	101.	59.	45. 45.
	42.5	2471.	1712.	766.	610.	523.	406.	319.	220.	163.	112. 113.
	40.0	2668.	1880.	851.	653.	544.	424.	356.	334.	312.	254. 256.
	37.5	2795.	2072.	959.	694.	564.	448.	379.	410.	428.	391. 395.
	35.0	2884.	2192.	1092.	735.	586.	470.	418.	461.	473.	461. 464.
	30.0	3046.	2437.	1391.	828.	619.	530.	533.	554.	538.	521. 523.
	25.0	3171.	2627.	1669.	945.	700.	662.	673.	638.	616.	593. 592.
	20.0	3145.	2713.	1956.	1321.	977.	863.	784.	741.	716.	700. 702.
	15.0	3284.	2965.	2389.	1888.	1448.	1153.	1006.	936.	882.	845. 849.
	10.0	3366.	3144.	2738.	2379.	2074.	1816.	1611.	1431.	1355.	1288. 1297.
	5.0	3382.	3270.	3070.	2887.	2728.	2595.	2516.	2397.	2358.	2317. 2336.
	0.0	3402.	3402.	3402.	3402.	3402.	3402.	3402.	3402.	3402.	3402. 3402.

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB01934
ISSUE DATE: 06/08/16
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PAGE: 9 OF 9
DATE SAMPLE TESTED: 05/12/16

5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	81
5- 10	239
10- 15	383
15- 20	517
20- 25	656
25- 30	812
30- 35	972
35- 40	1135
40- 45	1281
45- 50	1402
50- 55	1481
55- 60	1465
60- 65	1303
65- 70	933
70- 75	448
75- 80	149
80- 85	32
85- 90	5

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	320
0- 20	1220
0- 30	2688
0- 40	4795
0- 50	7478
0- 60	10424
0- 70	12661
0- 80	13258
0- 90	13295