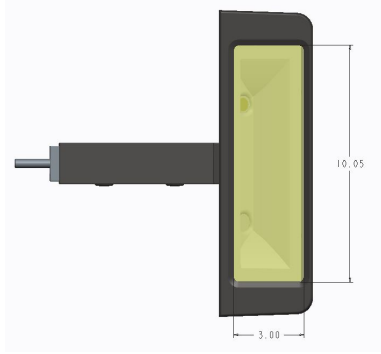


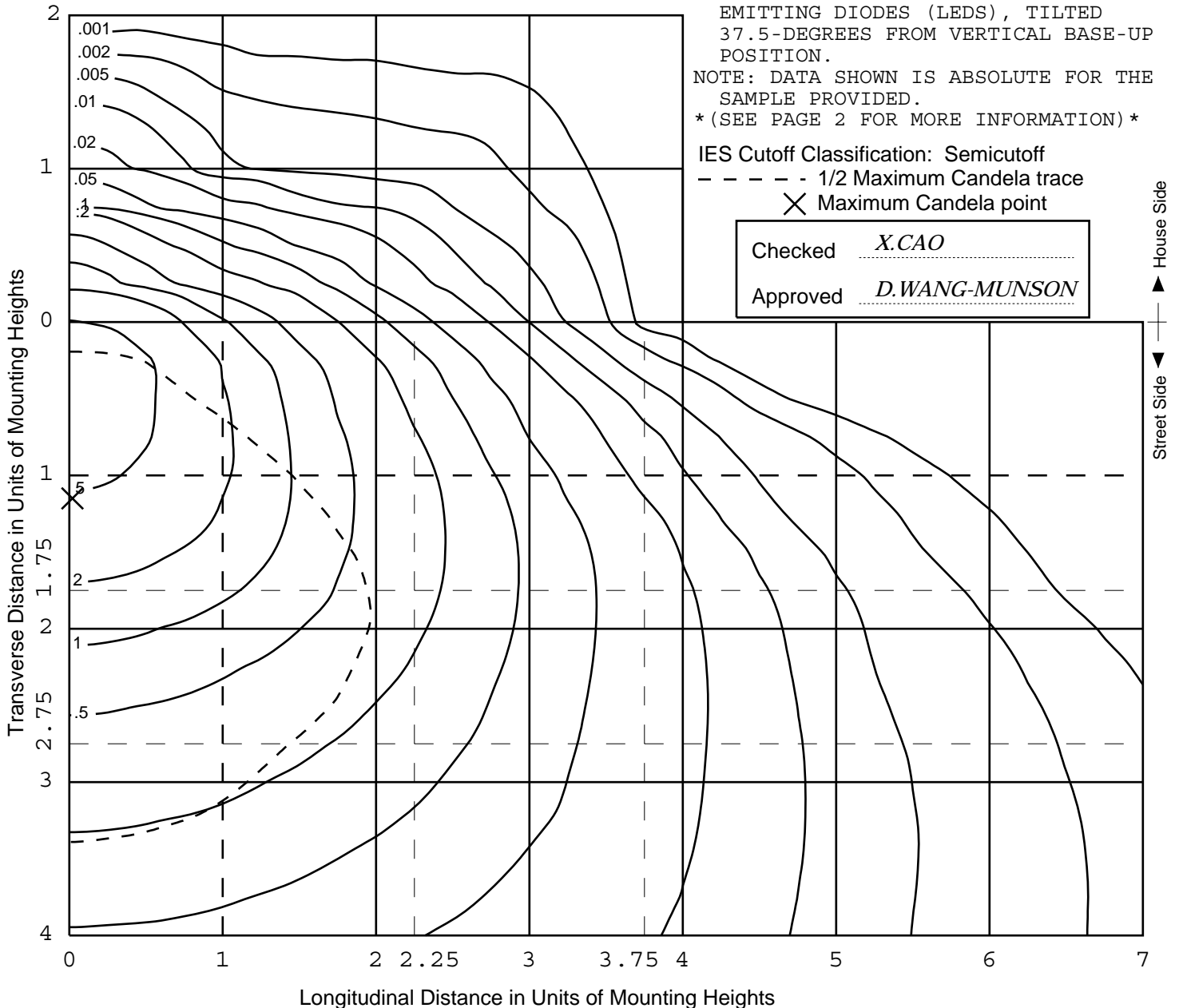
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



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DATE SAMPLE TESTED: 10/18/16
PREPARED FOR: RAB LIGHTING INC.
CATALOG NUMBER: ALEDC80N / WPLEDC80N
(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
37.5-DEGREES FROM VERTICAL BASE-UP
POSITION.
NOTE: DATA SHOWN IS ABSOLUTE FOR THE
SAMPLE PROVIDED.
(SEE PAGE 2 FOR MORE INFORMATION)

IES Cutoff Classification: Semicutoff
- - - - 1/2 Maximum Candela trace
X Maximum Candela point



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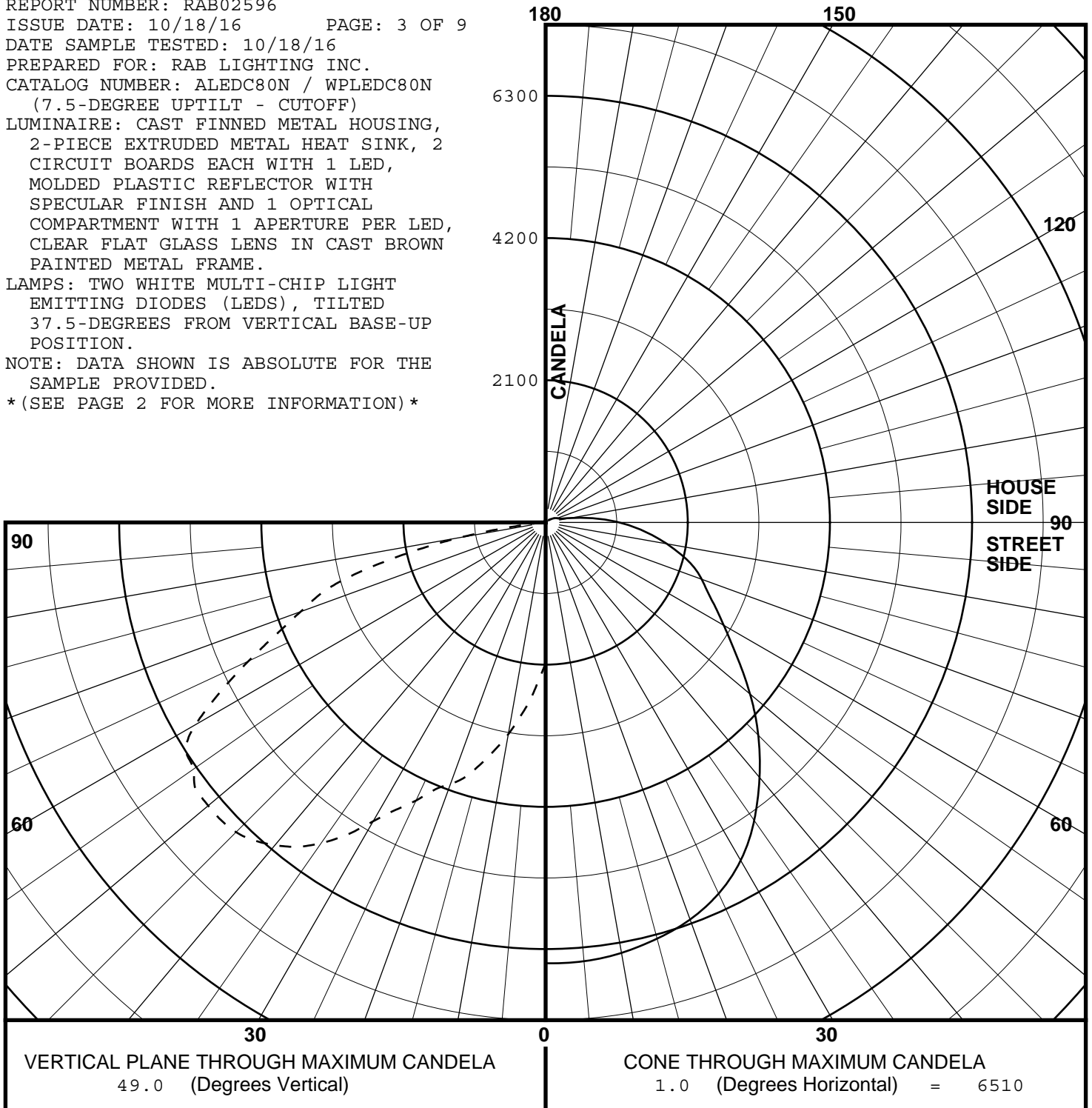
ADDITIONAL INFORMATION

TOTAL INPUT WATTS = 83.201 W AT 120.0 VAC.
LED DRIVER: RD-085-A2000
TEST PROCEDURE: IESNA LM-79-08
ACCREDITED LABORATORY CODE 201058-0

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.

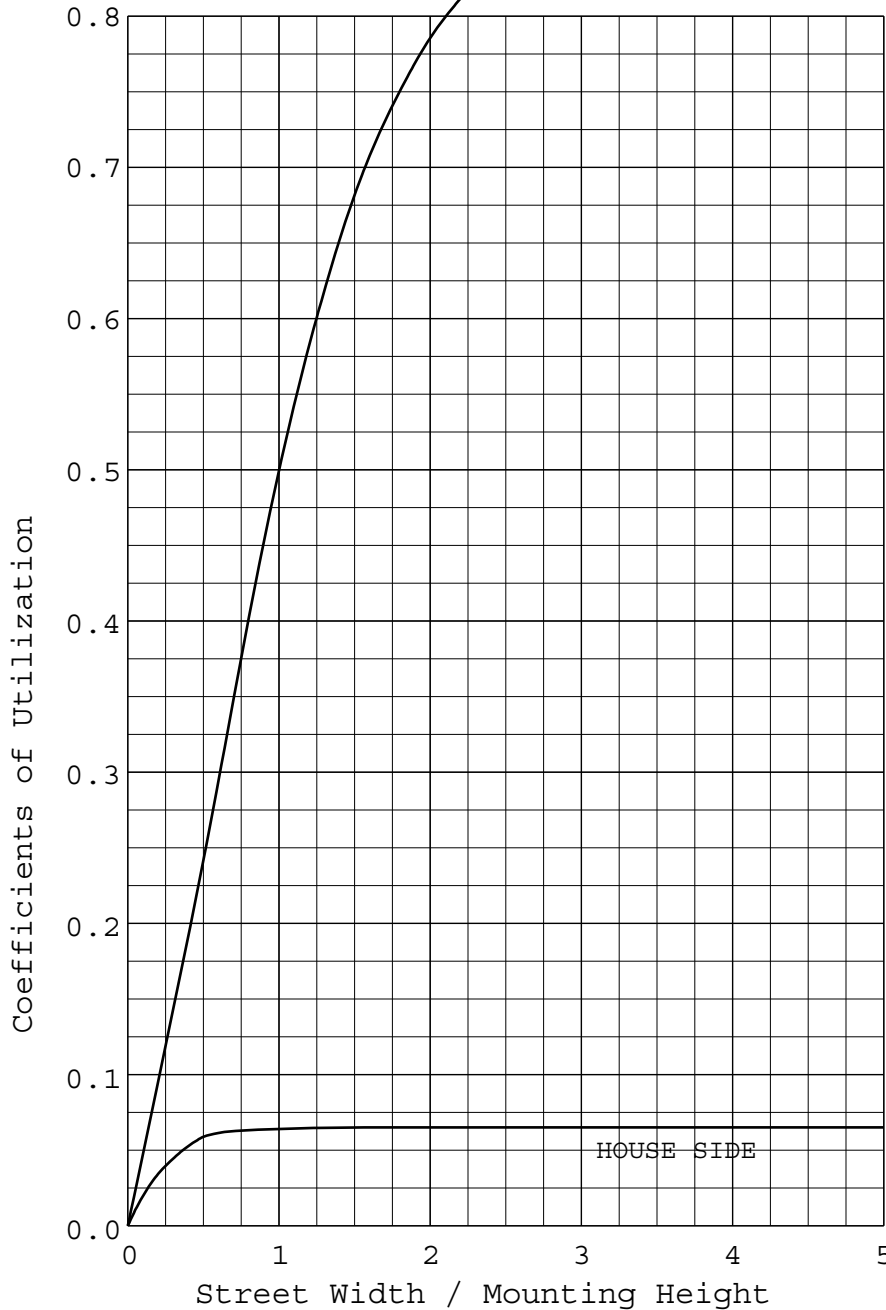
MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

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 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALEDC80N / WPLEDC80N
 (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
 37.5-DEGREES FROM VERTICAL BASE-UP
 POSITION.
 NOTE: DATA SHOWN IS ABSOLUTE FOR THE
 SAMPLE PROVIDED.
 (SEE PAGE 2 FOR MORE INFORMATION)



REPORT NUMBER: RAB02596 STREET SIDE PAGE: 4 OF 9
ISSUE DATE: 10/18/16 DATE SAMPLE TESTED: 10/18/16
PREPARED FOR: RAB LIGHTING INC.

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	8950.	93.4
DOWNWARD HOUSE SIDE	633.	6.6
DOWNWARD TOTAL	9583.	100.0
UPWARD STREET SIDE	1.	0.0
UPWARD HOUSE SIDE	1.	0.0
UPWARD TOTAL	1.	0.0
TOTAL FLUX	9584.	100.0
TOTAL INPUT WATTS = 83.2		
EFFICACY = 115.2 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: RAB02596
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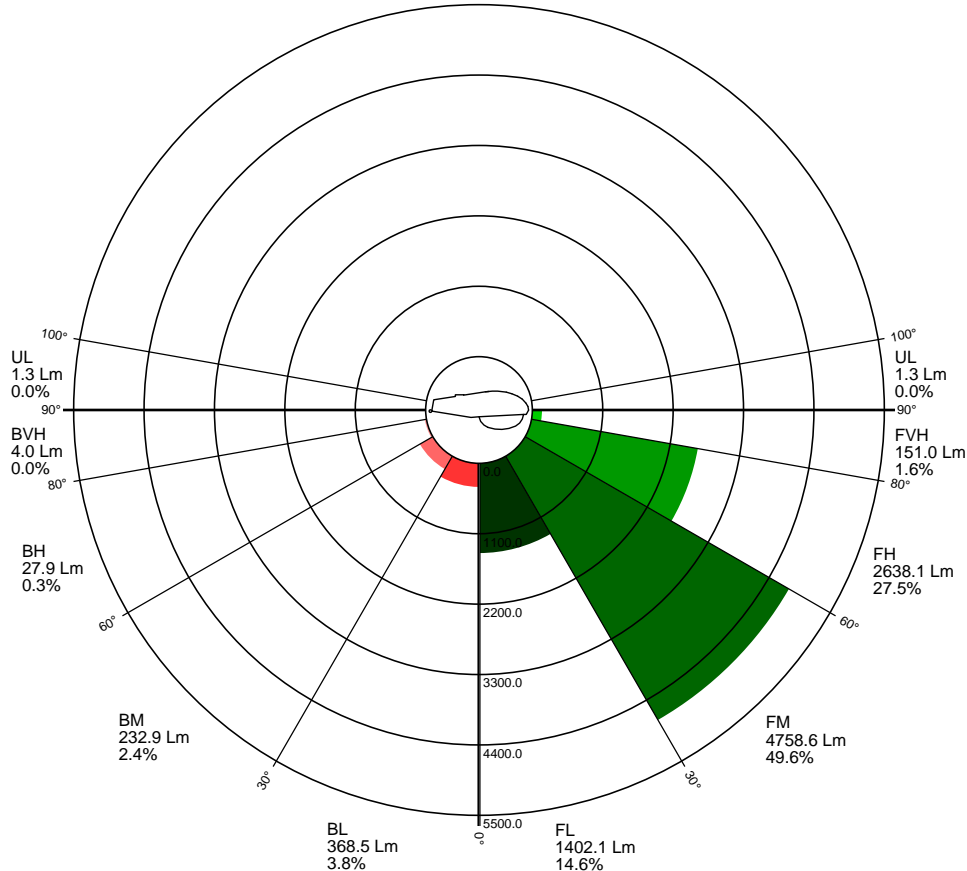
PAGE: 5 OF 9
 DATE SAMPLE TESTED: 10/18/16

BUG Rating:				B1 U1 G2		
Zonal Summary				Zone Ratings		
		Lumens	% of Fixture	B	U	G
Forward		8950	93.4			
FL	(0° - 30°)	1402.1	14.6			
FM	(30° - 60°)	4758.6	49.6			
FH	(60° - 80°)	2638.1	27.5			G2
FVH	(80° - 90°)	151.0	1.6			G2
Backward		633	6.6			
BL	(0° - 30°)	368.5	3.8	B1		
BM	(30° - 60°)	232.9	2.4	B1		
BH	(60° - 80°)	27.9	0.3	B0		G0
BVH	(80° - 90°)	4.0	0.0			G0
Upward		1	0.0			
UL	(90° - 100°)	1.3	0.0		U1	
UH	(100° - 180°)	0.0	0.0		U0	
Trapped Light		0	0.0			
Total Flux		9585	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

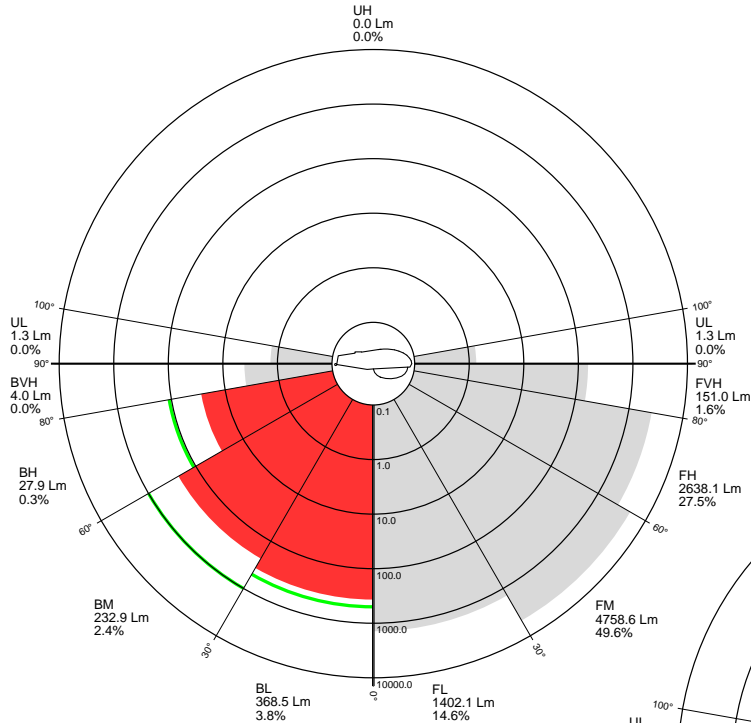


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 PREPARED FOR: RAB LIGHTING INC.

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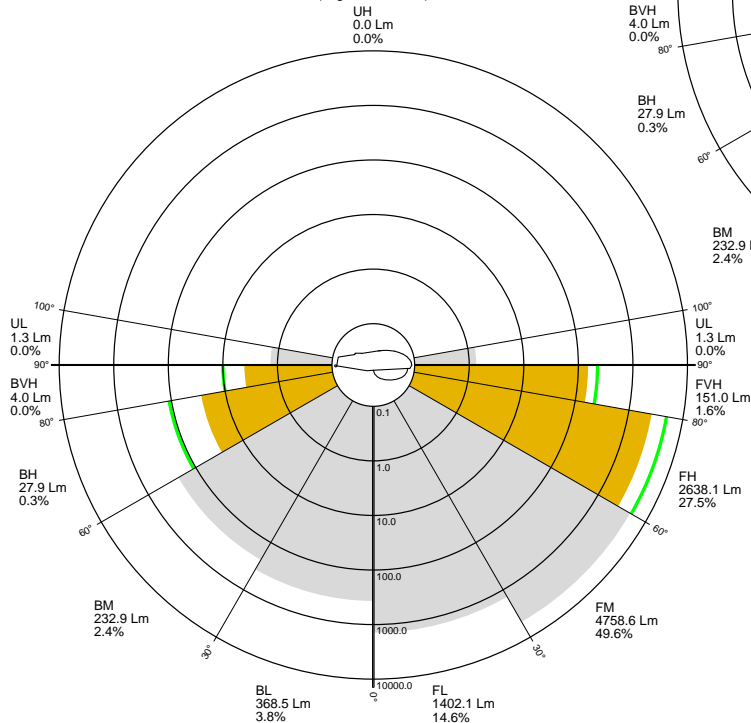
Backlight Rating Details

(Logarithmic scale)



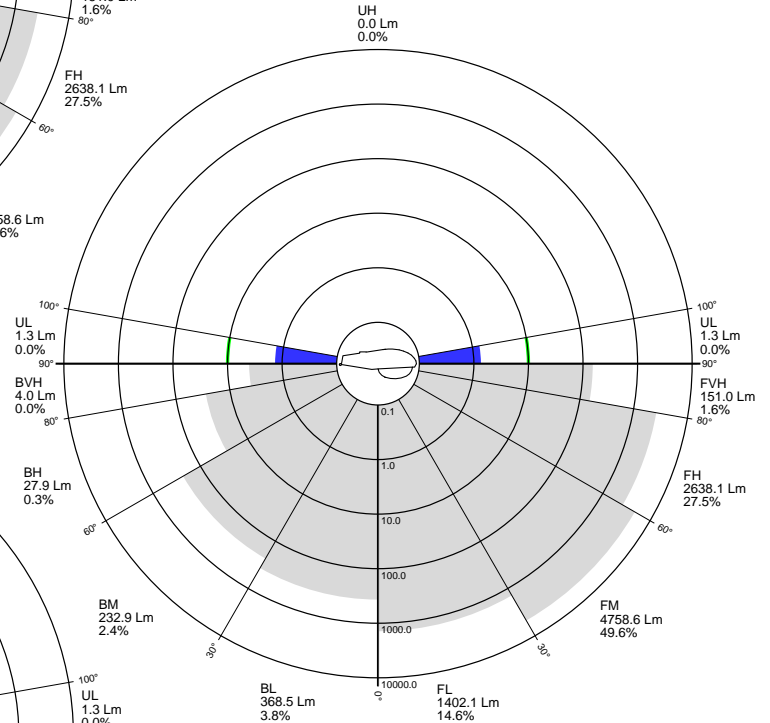
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



STREET	CANDELA TABULATION										
	LATERAL ANGLE										
	0.0	1.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0
	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	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	15.	14.	15.	14.	12.	10.	9.	9.	9.	10.	11.
87.5	47.	44.	48.	50.	48.	41.	22.	21.	31.	11.	11.
85.0	131.	128.	133.	138.	164.	196.	185.	184.	141.	39.	11.
82.5	552.	538.	564.	619.	700.	796.	703.	464.	284.	84.	11.
V 80.0	1307.	1288.	1314.	1374.	1457.	1517.	1375.	882.	443.	164.	12.
E 77.5	2144.	2084.	2142.	2171.	2200.	2203.	1957.	1312.	800.	265.	22.
R 75.0	2920.	2871.	2915.	2897.	2811.	2697.	2359.	1801.	1211.	452.	80.
T 72.5	3497.	3470.	3484.	3408.	3223.	3092.	2808.	2263.	1521.	684.	214.
I 70.0	3875.	3850.	3845.	3782.	3652.	3591.	3291.	2638.	1793.	909.	396.
C 67.5	4333.	4298.	4328.	4253.	4158.	4169.	3751.	2854.	2007.	1110.	571.
A 65.0	4886.	4842.	4845.	4802.	4720.	4742.	4047.	3036.	2167.	1290.	740.
L 62.5	5469.	5420.	5419.	5374.	5287.	5139.	4251.	3189.	2285.	1493.	893.
60.0	6016.	5974.	5964.	5886.	5700.	5290.	4385.	3305.	2371.	1677.	1026.
A 57.5	6305.	6295.	6274.	6103.	5861.	5426.	4458.	3376.	2435.	1828.	1134.
N 55.0	6363.	6351.	6339.	6248.	6043.	5456.	4491.	3425.	2488.	1950.	1235.
G 52.5	6506.	6503.	6478.	6347.	6090.	5459.	4489.	3454.	2556.	2061.	1333.
L 50.0	6508.	6508.	6498.	6369.	6073.	5404.	4465.	3454.	2663.	2148.	1422.
E 49.0<<	6508.	6510.	6505.	6363.	6047.	5372.	4443.	3449.	2707.	2176.	1456.
47.5	6505.	6505.	6506.	6345.	5992.	5321.	4406.	3433.	2780.	2215.	1506.
45.0	6466.	6467.	6463.	6256.	5851.	5216.	4310.	3402.	2916.	2279.	1583.
42.5	6364.	6371.	6351.	6123.	5672.	5076.	4198.	3434.	3031.	2356.	1660.
40.0	6215.	6221.	6183.	5955.	5492.	4899.	4075.	3488.	3118.	2435.	1750.
37.5	6026.	6037.	5985.	5736.	5281.	4740.	4027.	3557.	3174.	2498.	1842.
35.0	5765.	578									

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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
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.	10.	10.	9.	8.	7.	6.	6.	6.
87.5	11.	11.	11.	10.	9.	8.	7.	6.	5.	5.	5.
85.0	11.	11.	10.	10.	9.	8.	7.	5.	4.	3.	3.
82.5	11.	10.	10.	9.	8.	7.	6.	5.	3.	2.	2.
V 80.0	10.	10.	10.	9.	8.	7.	5.	4.	2.	1.	0.
E 77.5	11.	10.	12.	10.	7.	6.	5.	3.	2.	0.	0.
R 75.0	15.	11.	17.	15.	8.	5.	4.	3.	1.	0.	0.
T 72.5	86.	60.	25.	22.	9.	5.	4.	2.	1.	0.	0.
I 70.0	190.	96.	38.	22.	11.	6.	4.	2.	0.	0.	0.
C 67.5	308.	132.	65.	20.	13.	7.	4.	3.	1.	0.	0.
A 65.0	436.	189.	90.	20.	13.	8.	5.	4.	2.	0.	0.
L 62.5	559.	268.	114.	25.	13.	9.	6.	5.	4.	2.	2.
60.0	676.	344.	139.	35.	12.	10.	8.	8.	8.	7.	7.
A 57.5	777.	420.	160.	60.	14.	11.	11.	13.	15.	15.	14.
N 55.0	875.	504.	176.	92.	21.	12.	14.	17.	20.	20.	20.
G 52.5	969.	586.	195.	120.	32.	15.	16.	21.	25.	25.	25.
L 50.0	1057.	670.	211.	143.	58.	24.	20.	23.	27.	29.	29.
E 49.0<<	1091.	704.	216.	152.	71.	30.	22.	24.	28.	29.	30.
47.5	1139.	754.	228.	164.	93.	37.	24.	25.	28.	30.	30.
45.0	1210.	830.	258.	179.	129.	59.	37.	29.	29.	31.	31.
42.5	1283.	903.	305.	194.	153.	92.	49.	41.	33.	33.	33.
40.0	1371.	990.	374.	223.	173.	130.	80.	56.	52.	49.	48.
37.5	1468.	1095.	464.	247.	195.	162.	127.	93.	71.	64.	63.
35.0	1565.	1205.	580.	284.	228.	201.	186.	157.	132.	110.	111.
30.0	1746.	1431.	842.	426.	346.	300.	292.	287.	283.	277.	278.
25.0	1871.	1610.	1097.	679.	461.	426.	397.	395.	403.	401.	404.
20.0	1955.	1745.	1331.	974.	691.	533.	498.	499.	500.	491.	484.
15.0	2011.	1850.	1547.	1263.	1011.	828.	704.	617.	582.	577.	570.
10.0	2043.	1938.	1741.	1556.	1371.	1241.	1107.	1037.	967.	959.	944.
5.0	2054.	2004.	1910.	1831.	1742.	1670.	1599.	1566.	1510.	1517.	1503.
0.0	2069.	2069.	2069.	2069.	2069.	2069.	2069.	2069.	2069.	2069.	2069.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	50
5- 10	148
10- 15	244
15- 20	343
20- 25	444
25- 30	543
30- 35	640
35- 40	730
40- 45	817
45- 50	895
50- 55	948
55- 60	963
60- 65	907
65- 70	770
70- 75	602
75- 80	387
80- 85	139
85- 90	16
90- 95	1
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	197
0- 20	784
0- 30	1771
0- 40	3141
0- 50	4852
0- 60	6762
0- 70	8440
0- 80	9428
0- 90	9583
0-100	9584
0-110	9584
0-120	9584
0-130	9584
0-140	9584
0-150	9584
0-160	9584
0-170	9584
0-180	9584