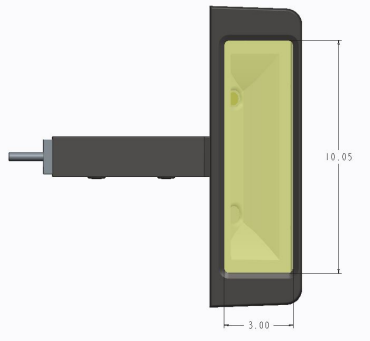


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



REPORT NUMBER: PRORATED FROM RAB02588
 ISSUE DATE: 10/20/16 PAGE: 1 OF 9
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALEDFC80/WPLEDFC80
 (0-DEGREE UPTILT - FULL 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
 40-DEGREES FROM VERTICAL BASE-UP
 POSITION.

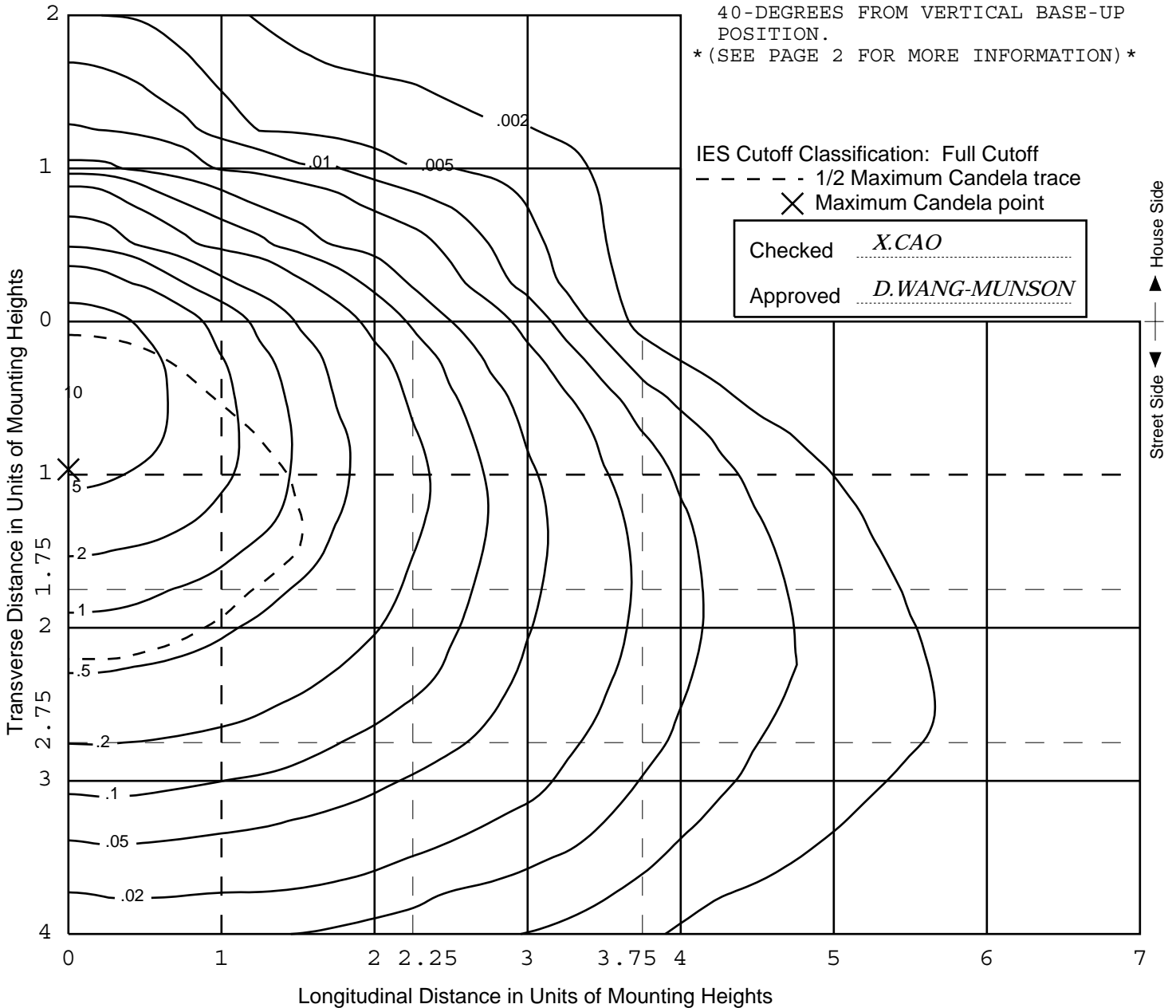
(SEE PAGE 2 FOR MORE INFORMATION)

IES Cutoff Classification: Full Cutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked	<i>X.CAO</i>
Approved	<i>D.WANG-MUNSON</i>



REPORT NUMBER: PRORATED FROM RAB02588
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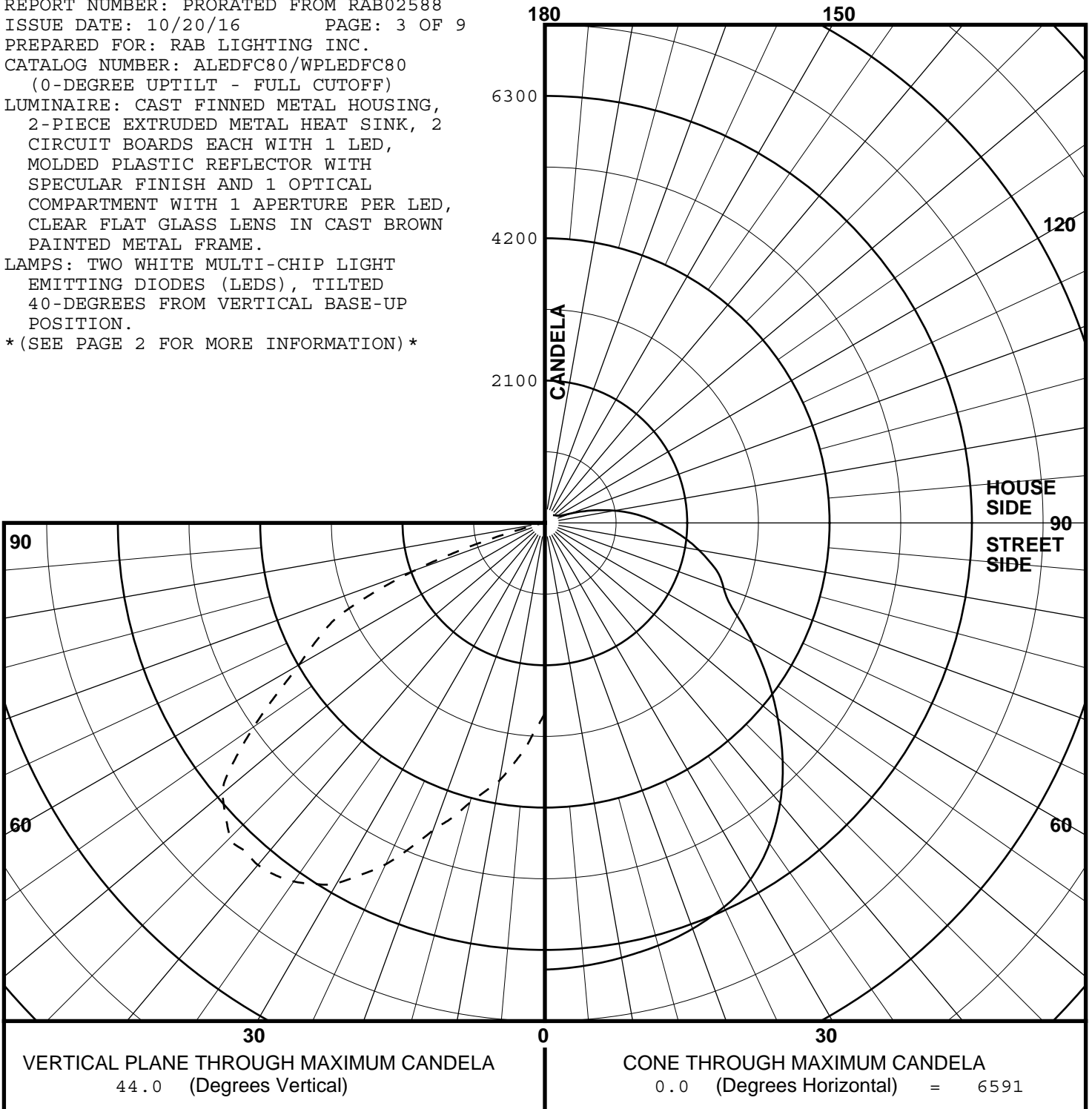
PAGE: 2 OF 9

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02588 WHICH WAS
ALEDFC80Y/WPLEDFC80Y. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 83.9 W AT 120.0 VAC.
LED DRIVER: RD-085-A2000
TEST PROCEDURE: IESNA LM-79-08

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

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 CATALOG NUMBER: ALEDFC80/WPLEDFC80
 (0-DEGREE UPTILT - FULL CUTOFF)
 LUMINAIRE: CAST FINNED METAL HOUSING,
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 CIRCUIT BOARDS EACH WITH 1 LED,
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 LAMPS: TWO WHITE MULTI-CHIP LIGHT
 EMITTING DIODES (LEDs), TILTED
 40-DEGREES FROM VERTICAL BASE-UP
 POSITION.
 (SEE PAGE 2 FOR MORE INFORMATION)



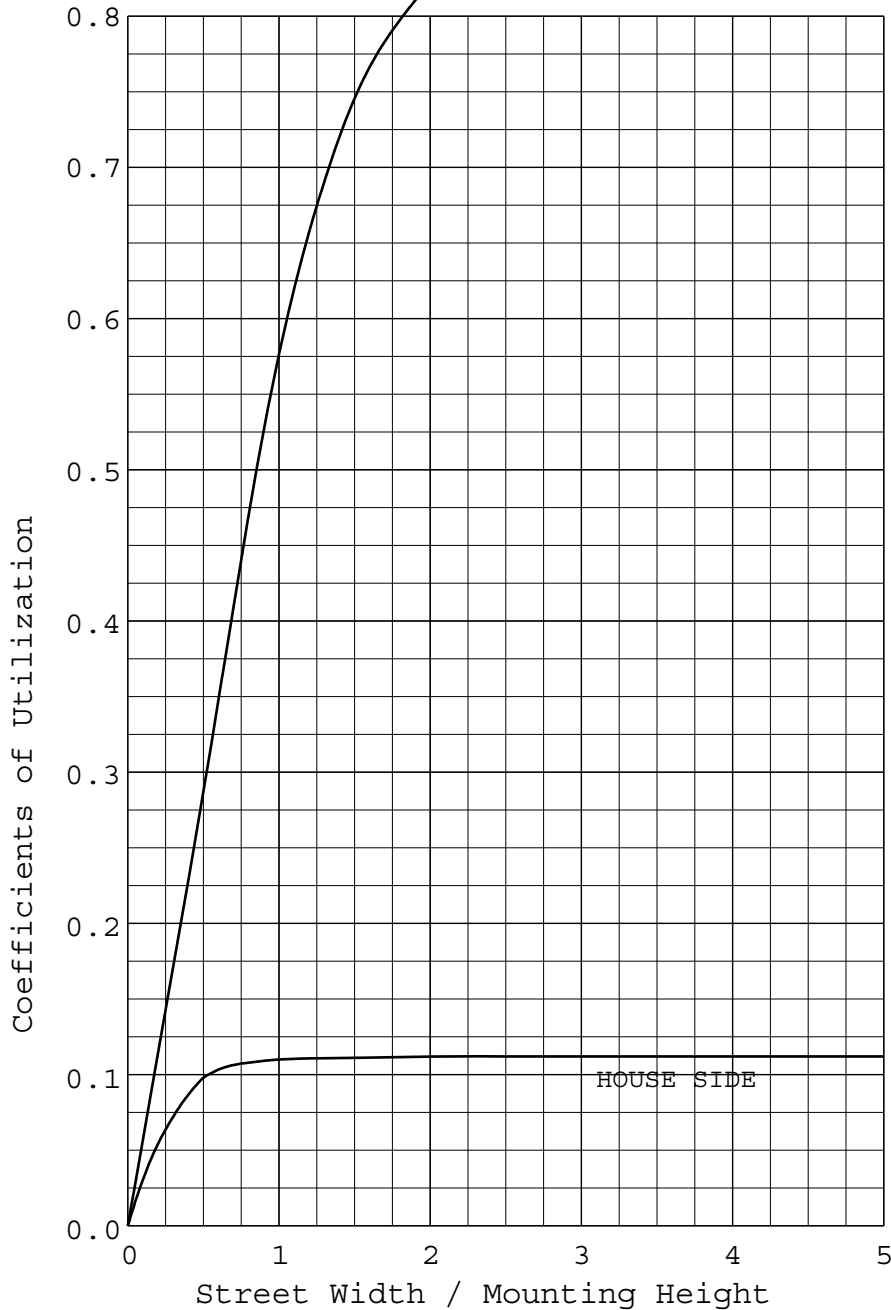
REPORT NUMBER: PRORATED FROM RAB02588

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PREPARED FOR: RAB LIGHTING INC. STREET SIDE

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	8378.	88.7
DOWNWARD HOUSE SIDE	1064.	11.3
DOWNWARD TOTAL	9443.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	9443.	100.0

TOTAL INPUT WATTS = 83.9
EFFICACY = 112.6 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.

REPORT NUMBER: PRORATED FROM RAB02588
 ISSUE DATE: 10/20/16
 PREPARED FOR: RAB LIGHTING INC.

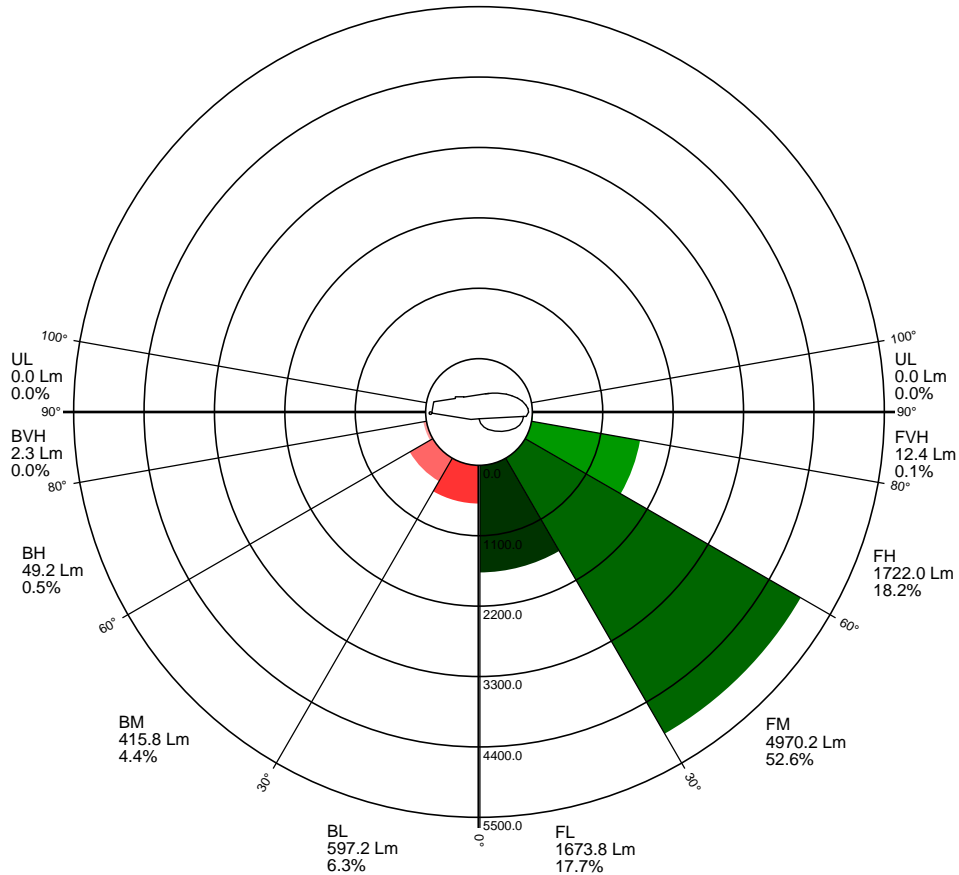
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BUG Rating:				B2	U0	G1
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		8378	88.7			
FL	(0° - 30°)	1673.8	17.7			
FM	(30° - 60°)	4970.2	52.6			
FH	(60° - 80°)	1722.0	18.2			G1
FVH	(80° - 90°)	12.4	0.1			G1
Backward		1064	11.3			
BL	(0° - 30°)	597.2	6.3	B2		
BM	(30° - 60°)	415.8	4.4	B1		
BH	(60° - 80°)	49.2	0.5	B0		G0
BVH	(80° - 90°)	2.3	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		9443	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

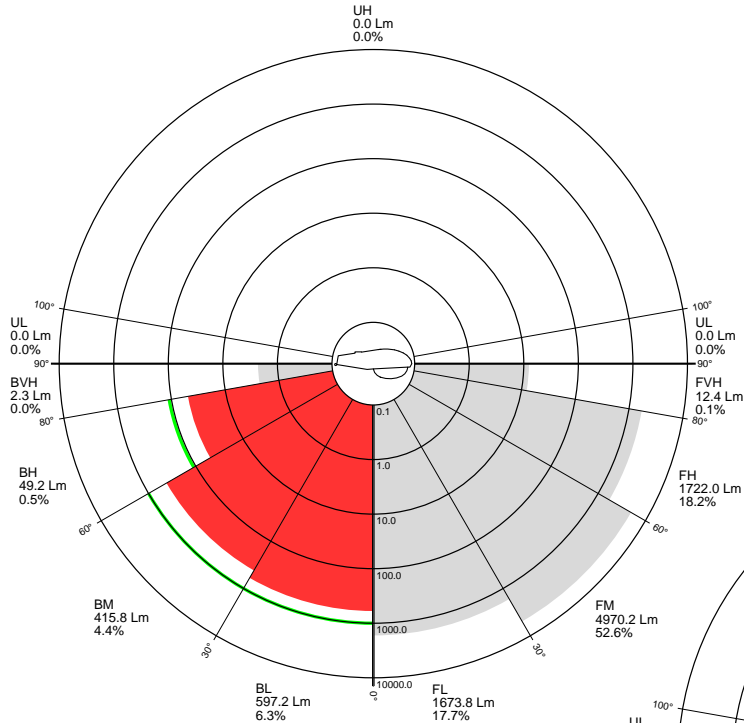


REPORT NUMBER: PRORATED FROM RAB02588
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 PREPARED FOR: RAB LIGHTING INC.

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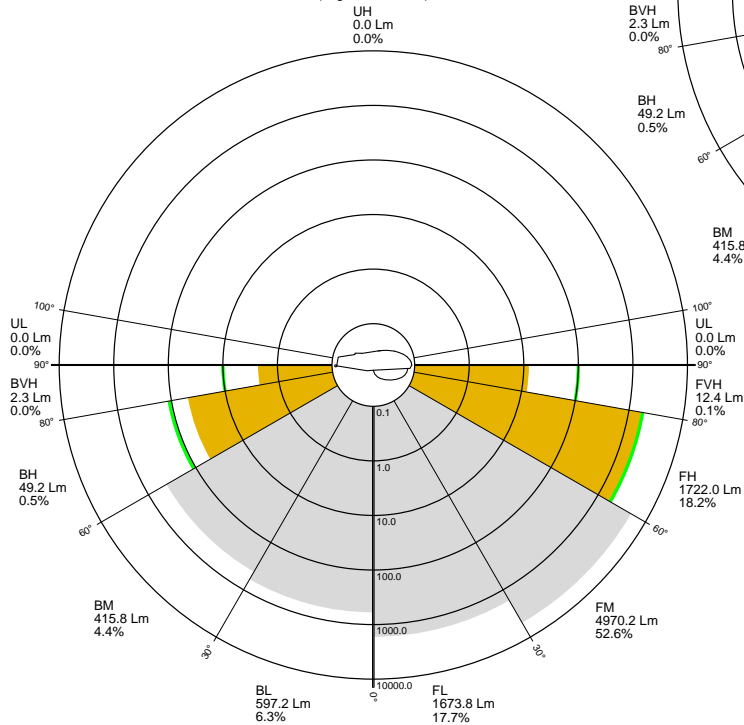
Backlight Rating Details

(Logarithmic scale)



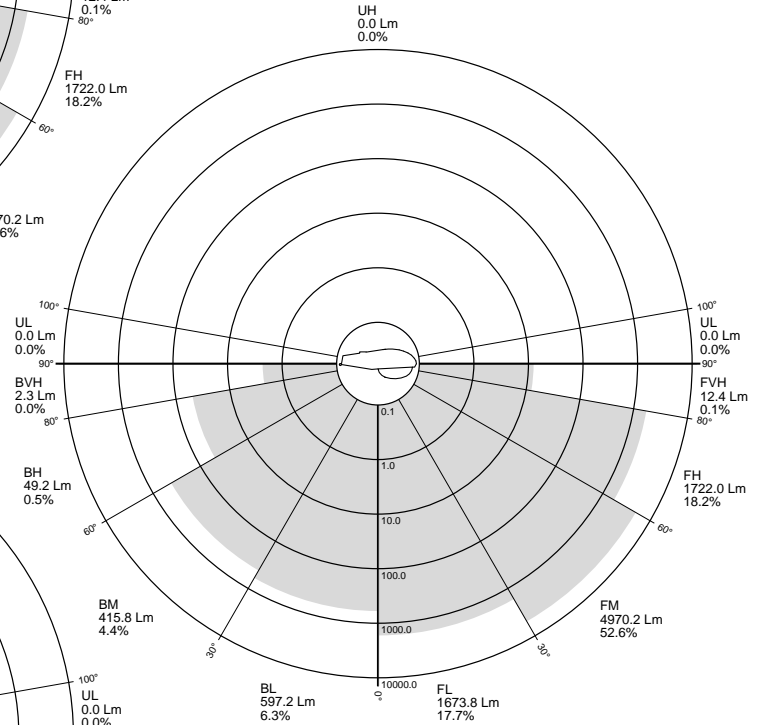
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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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
	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	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	1.	1.	2.	4.	5.	7.	9.	12.	10. 10.
	82.5	15.	15.	15.	19.	21.	19.	31.	104.	53. 11.
V	80.0	37.	42.	45.	70.	72.	121.	213.	260.	115. 12.
E	77.5	127.	133.	137.	233.	378.	607.	556.	414.	229. 31.
R	75.0	439.	499.	584.	831.	1063.	1284.	1039.	715.	379. 92.
T	72.5	1160.	1250.	1356.	1633.	1795.	1930.	1485.	1155.	627. 247.
I	70.0	2035.	2097.	2183.	2371.	2456.	2338.	1947.	1600.	911. 451.
C	67.5	2831.	2881.	2935.	3005.	2870.	2764.	2369.	1919.	1168. 679.
A	65.0	3473.	3495.	3462.	3345.	3254.	3251.	2772.	2176.	1384. 879.
L	62.5	3823.	3845.	3778.	3728.	3710.	3744.	3060.	2381.	1569. 1076.
	60.0	4188.	4220.	4173.	4202.	4257.	4233.	3290.	2541.	1723. 1239.
A	57.5	4684.	4704.	4677.	4729.	4814.	4504.	3481.	2671.	1858. 1389.
N	55.0	5241.	5247.	5199.	5270.	5287.	4692.	3638.	2781.	1999. 1514.
G	52.5	5787.	5796.	5740.	5769.	5474.	4819.	3771.	2879.	2144. 1638.
L	50.0	6212.	6217.	6132.	5981.	5675.	4908.	3882.	2960.	2280. 1753.
E	47.5	6391.	6372.	6263.	6203.	5750.	4969.	3967.	3026.	2413. 1859.
	45.0	6570.	6550.	6454.	6250.	5775.	4972.	4011.	3068.	2549. 1962.
	44.0<<	6591.	6562.	6455.	6254.	5776.	4962.	4012.	3082.	2604. 2003.
	42.5	6560.	6547.	6466.	6247.	5756.	4948.	4005.	3121.	2690. 2071.
	40.0	6588.	6590.	6436.	6170.	5680.	4916.	3992.	3217.	2823. 2184.
	37.5	6545.	6543.	6367.	6041.	5601.	4849.	3954.	3312.	2946. 2304.
	35.0	6459.	6444.	6267.	5904.	5478.	4754.	3910.	3405.	3043. 2416.
	30.0	6139.	6120.	5898.	5548.	5143.	4506.	3967.	3558.	3149. 2595.
	25.0	5558.	5524.	5335.	5019.	4694.	4294.	3943.	3609.	3204. 2722.
	20.0	4827.	4814.	4710.	4563.	4359.	4073.	3840.	3560.	3206. 2802.
	15.0	4273.	4241.	4183.	4120.	4040.	3870.	3674.	3420.	3139. 2842.
	10.0	3859.	3870.	3871.	3795.	3716.	3542.	3405.	3223.	3037. 2847.
	5.0	3339.	3322.	3349.	3286.	3252.	3146.	3090.	3008.	2927. 2832.
	0.0	2811.	2811.	2811.	2811.	2811.	2811.	2811.	2811.	2811.
		PLANE OF MAXIMUM CANDELA								
		CONE OF MAXIMUM CANDELA								

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CANDELA TABULATION

CANDELA TABULATION		LATERAL ANGLE										
HOUSE	SIDE	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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	10.	10.	9.	9.	8.	7.	5.	4.	3.	2.	2.
	82.5	11.	10.	10.	9.	8.	7.	5.	4.	3.	2.	2.
V	80.0	11.	11.	11.	11.	9.	7.	5.	4.	3.	2.	2.
E	77.5	12.	11.	16.	24.	10.	7.	6.	4.	3.	2.	2.
R	75.0	29.	26.	33.	26.	15.	8.	6.	5.	4.	3.	3.
T	72.5	129.	73.	63.	25.	18.	9.	7.	6.	7.	6.	6.
I	70.0	277.	135.	88.	27.	19.	12.	8.	8.	10.	9.	9.
C	67.5	437.	228.	115.	31.	18.	13.	11.	12.	14.	13.	13.
A	65.0	598.	358.	146.	50.	19.	14.	14.	16.	21.	21.	21.
L	62.5	762.	485.	170.	86.	24.	15.	16.	19.	24.	25.	25.
	60.0	904.	617.	186.	113.	32.	16.	17.	23.	28.	29.	30.
A	57.5	1047.	748.	215.	136.	55.	24.	21.	25.	29.	31.	32.
N	55.0	1178.	877.	273.	158.	91.	35.	27.	28.	30.	32.	32.
G	52.5	1299.	1002.	356.	178.	123.	57.	38.	32.	32.	33.	33.
L	50.0	1417.	1116.	456.	202.	147.	92.	51.	43.	39.	37.	37.
E	47.5	1530.	1218.	555.	215.	167.	126.	79.	55.	54.	53.	53.
	45.0	1638.	1330.	660.	234.	187.	151.	118.	88.	74.	66.	66.
	44.0<<	1679.	1375.	707.	249.	196.	162.	133.	109.	93.	79.	79.
	42.5	1745.	1446.	781.	284.	218.	176.	157.	145.	130.	113.	114.
	40.0	1866.	1567.	923.	387.	251.	211.	203.	204.	202.	189.	191.
	37.5	1990.	1705.	1093.	526.	289.	263.	253.	259.	269.	266.	263.
	35.0	2117.	1843.	1264.	696.	359.	327.	304.	314.	329.	332.	330.
	30.0	2336.	2098.	1586.	1050.	642.	444.	428.	439.	434.	435.	434.
	25.0	2503.	2301.	1871.	1426.	1021.	736.	559.	509.	514.	521.	524.
	20.0	2621.	2459.	2115.	1763.	1427.	1147.	940.	798.	725.	684.	684.
	15.0	2703.	2579.	2320.	2072.	1819.	1607.	1422.	1280.	1190.	1149.	1155.
	10.0	2753.	2672.	2512.	2347.	2195.	2052.	1927.	1843.	1778.	1734.	1750.
	5.0	2783.	2748.	2677.	2608.	2547.	2469.	2403.	2365.	2346.	2297.	2330.
	0.0	2811.	2811.	2811.	2811.	2811.	2811.	2811.	2811.	2811.	2811.	2811.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	67
5- 10	201
10- 15	328
15- 20	444
20- 25	557
25- 30	674
30- 35	782
35- 40	867
40- 45	932
45- 50	972
50- 55	959
55- 60	875
60- 65	750
65- 70	586
70- 75	338
75- 80	98
80- 85	14
85- 90	1
90- 95	0
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	268
0- 20	1039
0- 30	2271
0- 40	3920
0- 50	5823
0- 60	7657
0- 70	8993
0- 80	9428
0- 90	9443
0-100	9443
0-110	9443
0-120	9443
0-130	9443
0-140	9443
0-150	9443
0-160	9443
0-170	9443
0-180	9443