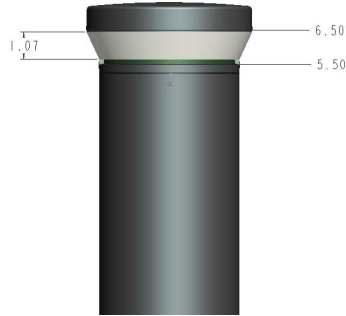


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 3.5 foot mounting height.



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CATALOG NUMBER: BLEDR24N, BLEDR24N/D10
 (42" ROUND BOLLARD)

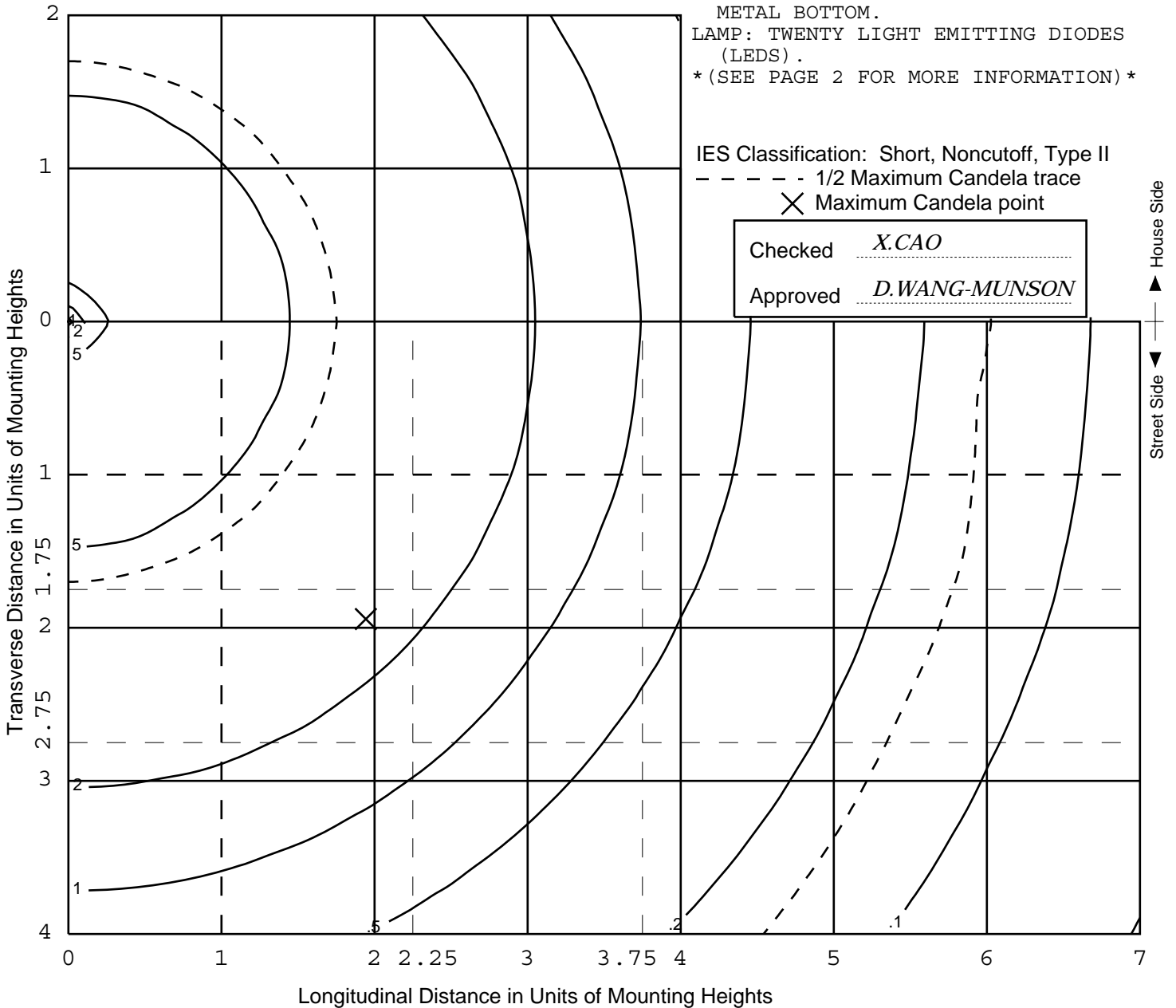
LUMINAIRE: EXTRUDED BROWN PAINTED CYLINDRICAL METAL LOWER HOUSING, CAST METAL TOP, CAST FINNED METAL HEAT SINK WITH WHITE PAINTED INTERIOR, MOLDED SPECULAR FINISHED PLASTIC REFLECTOR, 4 WHITE CIRCUIT BOARDS EACH WITH 3 LEDS, 4 WHITE CIRCUIT BOARDS EACH WITH 2 LEDS, FROSTED PLASTIC LENS, CAST BROWN PAINTED METAL BOTTOM.

LAMP: TWENTY LIGHT EMITTING DIODES (LEDS).

(SEE PAGE 2 FOR MORE INFORMATION)

IES Classification: Short, Noncutoff, Type II

--- 1/2 Maximum Candela trace
 X Maximum Candela point



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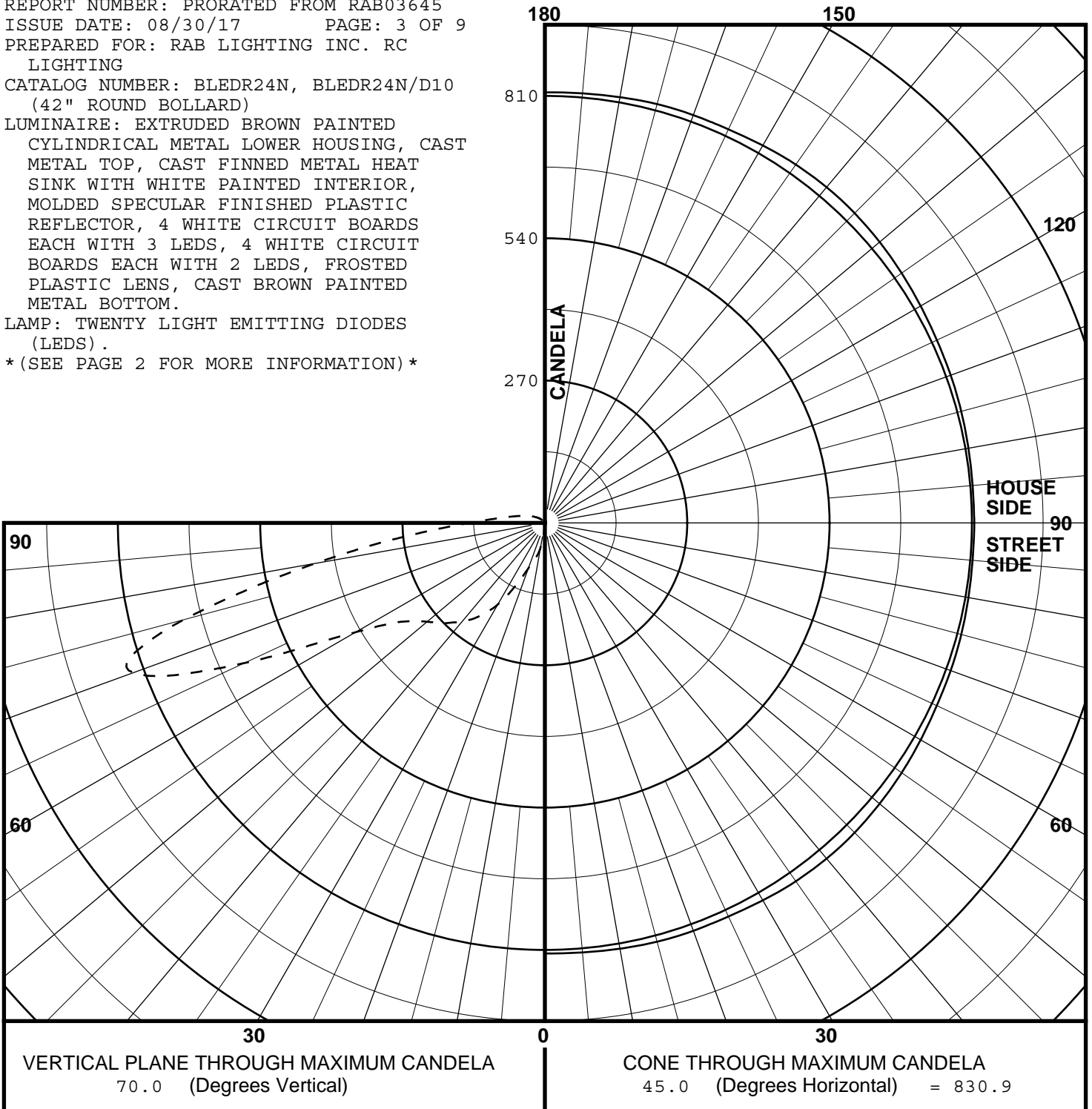
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ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB03645 WHICH WAS BLEDR24Y,
BLEDR24Y/D10. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 23.3 W AT 277.0 VAC.
LED DRIVER: RDF25U7-39
TEST PROCEDURE: IESNA LM-79-08
LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

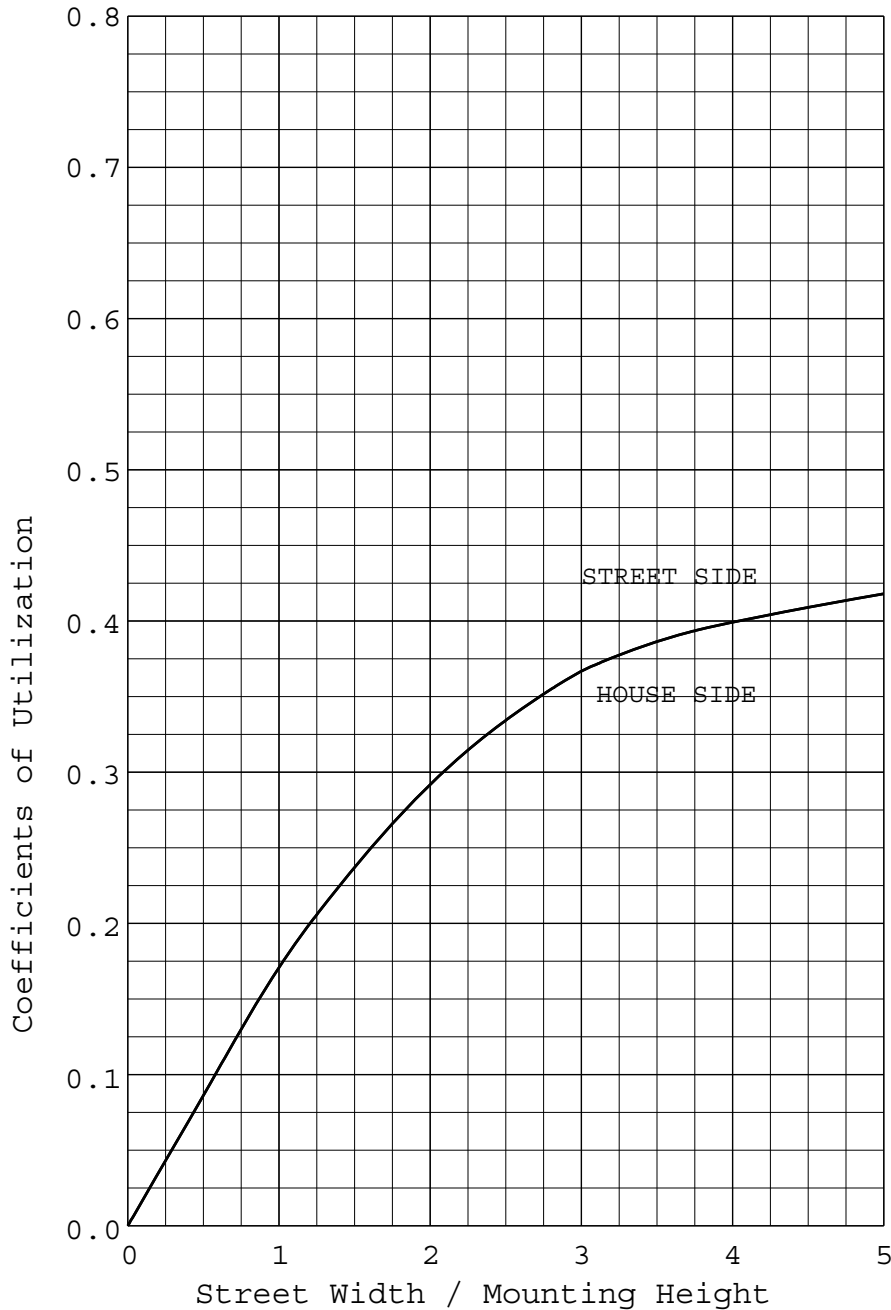
REPORT NUMBER: PRORATED FROM RAB03645
 ISSUE DATE: 08/30/17 PAGE: 3 OF 9
 PREPARED FOR: RAB LIGHTING INC. RC
 LIGHTING
 CATALOG NUMBER: BLEDR24N, BLEDR24N/D10
 (42" ROUND BOLLARD)
 LUMINAIRE: EXTRUDED BROWN PAINTED
 CYLINDRICAL METAL LOWER HOUSING, CAST
 METAL TOP, CAST FINNED METAL HEAT
 SINK WITH WHITE PAINTED INTERIOR,
 MOLDED SPECULAR FINISHED PLASTIC
 REFLECTOR, 4 WHITE CIRCUIT BOARDS
 EACH WITH 3 LEDS, 4 WHITE CIRCUIT
 BOARDS EACH WITH 2 LEDS, FROSTED
 PLASTIC LENS, CAST BROWN PAINTED
 METAL BOTTOM.
 LAMP: TWENTY LIGHT EMITTING DIODES
 (LEDs).
 (SEE PAGE 2 FOR MORE INFORMATION)



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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	1179.	45.7
DOWNWARD HOUSE SIDE	1179.	45.7
DOWNWARD TOTAL	2357.	91.5
UPWARD STREET SIDE	110.	4.3
UPWARD HOUSE SIDE	110.	4.3
UPWARD TOTAL	220.	8.5
TOTAL FLUX	2577.	100.0
TOTAL INPUT WATTS = 23.3		
EFFICACY = 110.6 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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BUG Rating:

Zonal Summary

Lumens

% of Fixture

B2 U3 G2

Zone Ratings

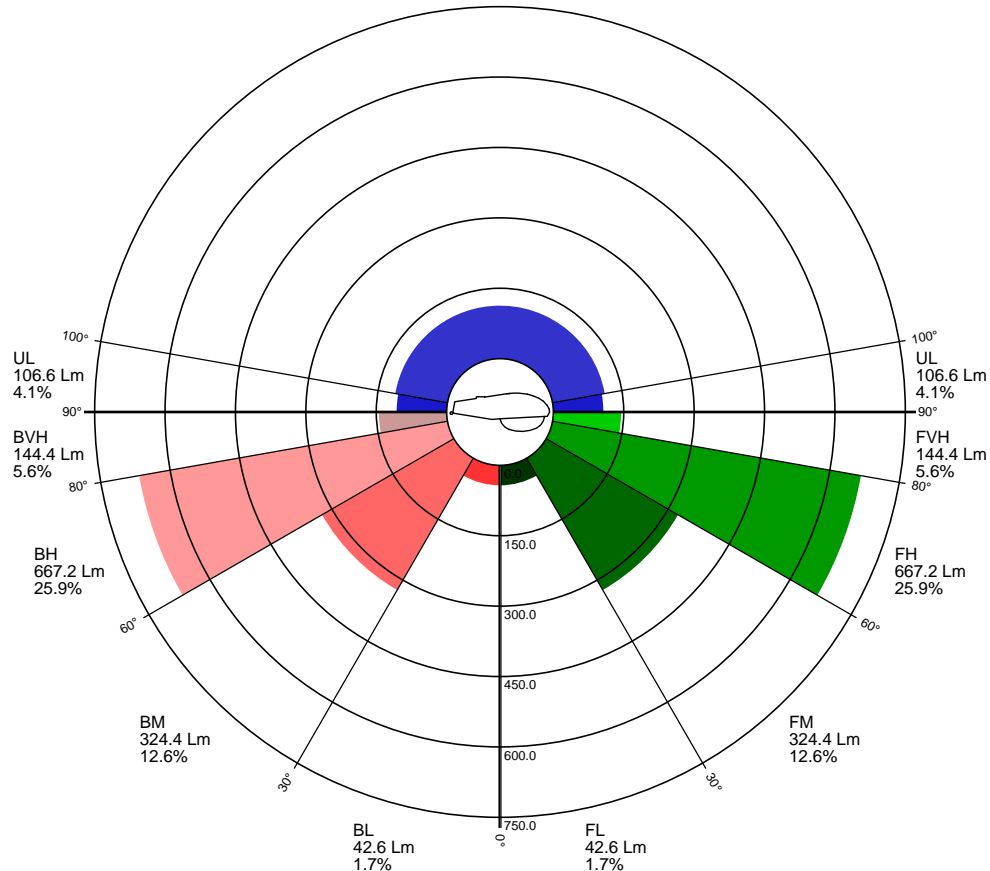
B U G

Forward		1179	45.7			
FL	(0° - 30°)	42.6	1.7			
FM	(30° - 60°)	324.4	12.6			
FH	(60° - 80°)	667.2	25.9			G1
FVH	(80° - 90°)	144.4	5.6			G2
Backward		1179	45.7			
BL	(0° - 30°)	42.6	1.7	B0		
BM	(30° - 60°)	324.4	12.6	B1		
BH	(60° - 80°)	667.2	25.9	B2		G1
BVH	(80° - 90°)	144.4	5.6			G2
Upward		220	8.5			
UL	(90° - 100°)	106.6	4.1		U3	
UH	(100° - 180°)	112.9	4.4		U3	
Trapped Light		0	0.0			
Total Flux		2577	100.0			

Zonal Lumen Summary

(Linear scale)

UH
112.9 Lm
4.4%

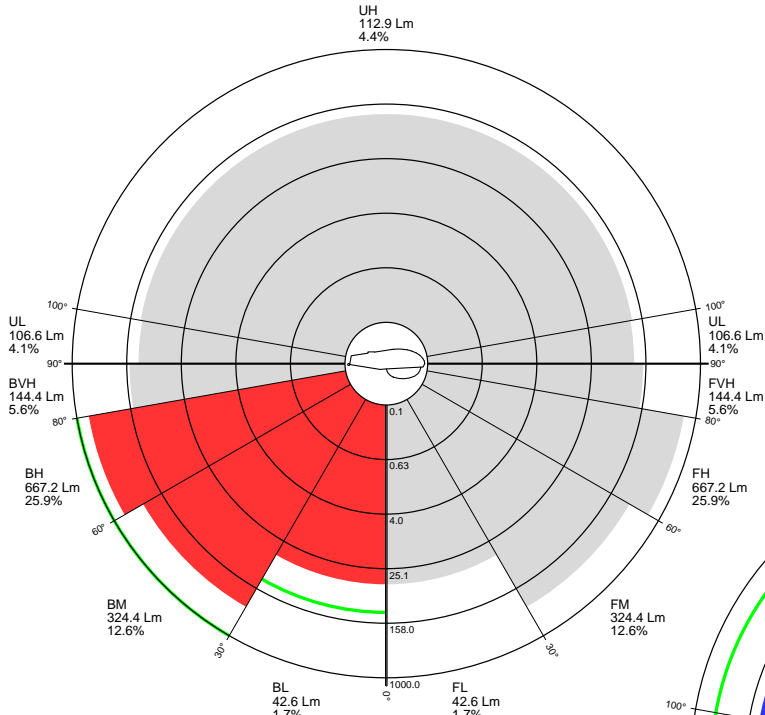


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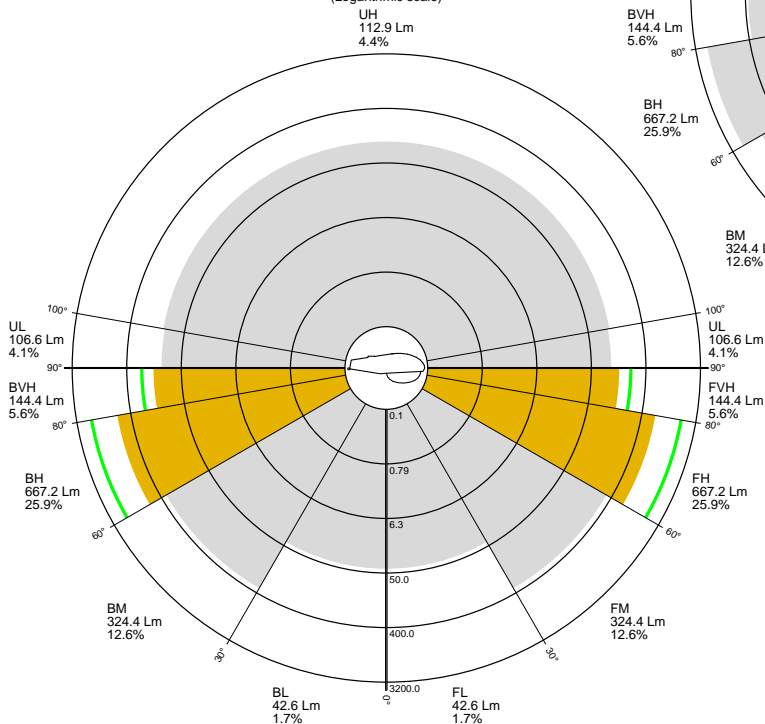
Backlight Rating Details

(Logarithmic scale)



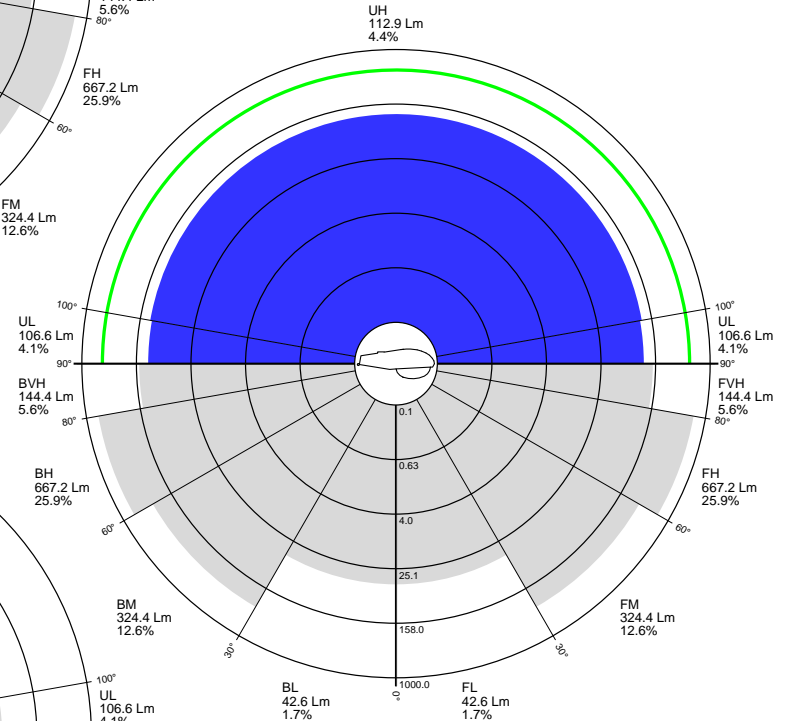
Glare Rating Details

(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	2.	2.	2.	2.	2.	2.	2.	2.	2.
	175.0	2.	2.	2.	2.	2.	2.	2.	2.	2.
	165.0	1.	1.	1.	1.	1.	1.	1.	1.	1.
	155.0	1.	1.	1.	1.	1.	1.	1.	1.	1.
	145.0	4.	4.	4.	4.	4.	4.	4.	4.	4.
	135.0	8.	8.	8.	8.	8.	8.	8.	8.	8.
	125.0	18.	18.	18.	18.	18.	18.	18.	18.	18.
	115.0	31.	31.	31.	31.	31.	31.	31.	31.	31.
	105.0	51.	51.	51.	51.	51.	51.	51.	51.	51.
	95.0	94.	94.	94.	94.	94.	94.	94.	92.	92.
	90.0	143.	142.	143.	143.	143.	143.	145.	143.	143.
	87.5	185.	185.	186.	187.	187.	187.	187.	187.	185.
	85.0	247.	247.	249.	249.	250.	250.	251.	249.	251.
V	82.5	328.	327.	333.	333.	334.	337.	337.	334.	337.
E	80.0	431.	430.	436.	437.	440.	442.	440.	439.	441.
R	77.5	557.	558.	563.	564.	567.	570.	569.	568.	571.
T	75.0	693.	696.	699.	702.	705.	709.	703.	706.	710.
I	72.5	797.	801.	802.	807.	810.	814.	808.	810.	810.
C	70.0 <<	817.	818.	823.	824.	830.	831.	826.	820.	818.
A	67.5	743.	748.	750.	750.	755.	753.	752.	741.	731.
L	65.0	624.	628.	633.	633.	629.	629.	624.	616.	606.
	62.5	507.	509.	510.	511.	503.	504.	500.	492.	487.
A	60.0	423.	421.	423.	422.	418.	415.	415.	411.	407.
N	57.5	367.	366.	365.	367.	362.	359.	358.	357.	354.
G	55.0	332.	332.	332.	331.	328.	326.	324.	324.	324.
L	52.5	311.	311.	309.	308.	307.	306.	303.	303.	303.
E	50.0	295.	295.	294.	293.	293.	292.	289.	289.	289.
	47.5	283.	283.	282.	281.	281.	280.	277.	277.	279.
	45.0	273.	273.	271.	270.	270.	269.	267.	267.	268.
	42.5	262.	261.	260.	260.	258.	256.	256.	256.	256.
	40.0	250.	250.	248.	247.	247.	244.	244.	244.	245.
	37.5	237.	236.	235.	234.	232.	231.	231.	232.	234.
	35.0	220.	220.	219.	219.	217.	216.	216.	217.	219.
	30.0	180.	180.	180.	179.	179.	179.	179.	180.	180.
	25.0	130.	130.	130.	130.	132.	132.	132.	130.	129.
	20.0	91.	91.	91.	91.	92.	91.	91.	91.	90.
	15.0	70.	70.	70.	70.	70.	70.	69.	69.	69.
	10.0	49.	49.	49.	47.	47.	47.	47.	47.	49.
	5.0	12.	11.	11.	11.	12.	12.	13.	12.	11.
	0.0	0.	0.	0.	0.	0.	0.	0.	0.	0.

||

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
V E R T I C A L A N G L E	180.0	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	175.0	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	165.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	155.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	145.0	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	135.0	8.	8.	8.	8.	8.	8.	8.	8.	8.	8.	8.
	125.0	18.	18.	18.	18.	18.	18.	18.	18.	18.	18.	18.
	115.0	31.	31.	31.	31.	31.	31.	31.	31.	31.	31.	31.
	105.0	51.	51.	51.	51.	51.	51.	51.	51.	51.	51.	51.
	95.0	92.	92.	92.	92.	94.	94.	94.	94.	94.	94.	94.
	90.0	142.	142.	143.	143.	145.	143.	143.	143.	143.	142.	143.
	87.5	186.	185.	187.	187.	187.	187.	187.	187.	186.	185.	185.
	85.0	249.	248.	251.	249.	251.	250.	250.	249.	249.	247.	247.
	82.5	332.	332.	337.	334.	337.	337.	334.	333.	333.	327.	328.
	80.0	441.	435.	441.	439.	440.	442.	440.	437.	436.	430.	431.
	77.5	573.	565.	571.	568.	569.	570.	567.	564.	563.	558.	557.
	75.0	711.	702.	710.	706.	703.	709.	705.	702.	699.	696.	693.
	72.5	806.	805.	810.	810.	808.	814.	810.	807.	802.	801.	797.
	70.0<<	814.	814.	818.	820.	826.	831.	830.	824.	823.	818.	817.
	67.5	725.	730.	731.	741.	752.	753.	755.	750.	750.	748.	743.
	65.0	596.	602.	606.	616.	624.	629.	629.	633.	633.	628.	624.
	62.5	481.	486.	487.	492.	500.	504.	503.	511.	510.	509.	507.
	60.0	407.	409.	407.	411.	415.	415.	418.	422.	423.	421.	423.
	57.5	356.	357.	354.	357.	358.	359.	362.	367.	365.	366.	367.
	55.0	324.	325.	324.	324.	324.	326.	328.	331.	332.	332.	332.
	52.5	305.	305.	303.	303.	303.	306.	307.	308.	309.	311.	311.
	50.0	290.	290.	289.	289.	289.	292.	293.	293.	294.	295.	295.
	47.5	280.	280.	279.	277.	277.	280.	281.	281.	282.	283.	283.
	45.0	270.	269.	268.	267.	267.	269.	270.	270.	271.	273.	273.
	42.5	260.	258.	256.	256.	256.	256.	258.	260.	260.	261.	262.
	40.0	248.	247.	245.	244.	244.	244.	247.	247.	248.	250.	250.
	37.5	234.	234.	234.	232.	231.	231.	232.	234.	235.	236.	237.
	35.0	219.	219.	219.	217.	216.	216.	217.	219.	219.	220.	220.
30.0	180.	180.	180.	180.	179.	179.	179.	179.	180.	180.	180.	
25.0	129.	130.	129.	130.	132.	132.	132.	130.	130.	130.	130.	
20.0	90.	90.	90.	91.	91.	91.	92.	91.	91.	91.	91.	
15.0	69.	69.	69.	69.	69.	70.	70.	70.	70.	70.	70.	
10.0	49.	49.	47.	47.	47.	47.	47.	47.	49.	49.	49.	
5.0	13.	13.	11.	12.	13.	12.	12.	11.	11.	11.	12.	
0.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	0
5- 10	2
10- 15	7
15- 20	13
20- 25	23
25- 30	39
30- 35	59
35- 40	78
40- 45	96
45- 50	113
50- 55	134
55- 60	169
60- 65	248
65- 70	372
70- 75	410
75- 80	304
80- 85	184
85- 90	105
90- 95	64
95-100	43
100-105	31
105-110	24
110-115	18
115-120	13
120-125	9
125-130	7
130-135	4
135-140	3
140-145	2
145-150	1
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	2
0- 20	23
0- 30	85
0- 40	222
0- 50	431
0- 60	734
0- 70	1354
0- 80	2068
0- 90	2357
0-100	2464
0-110	2519
0-120	2550
0-130	2566
0-140	2573
0-150	2576
0-160	2576
0-170	2576
0-180	2577