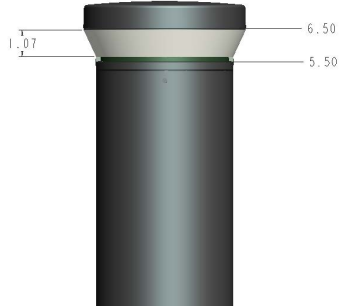


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 3.5 foot mounting height.



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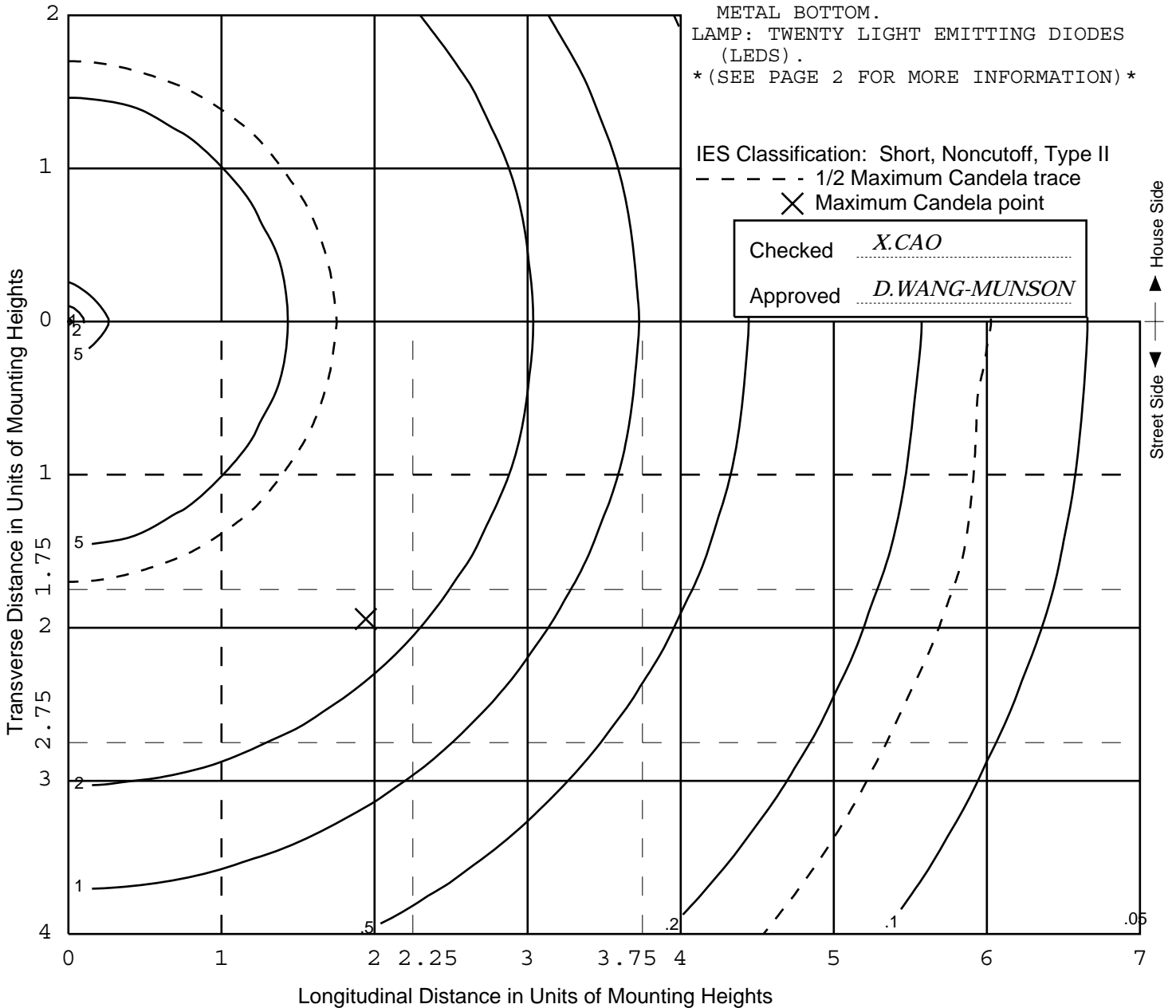
CATALOG NUMBER: BLED24, BLED24/D10
 (42" ROUND BOLLARD)

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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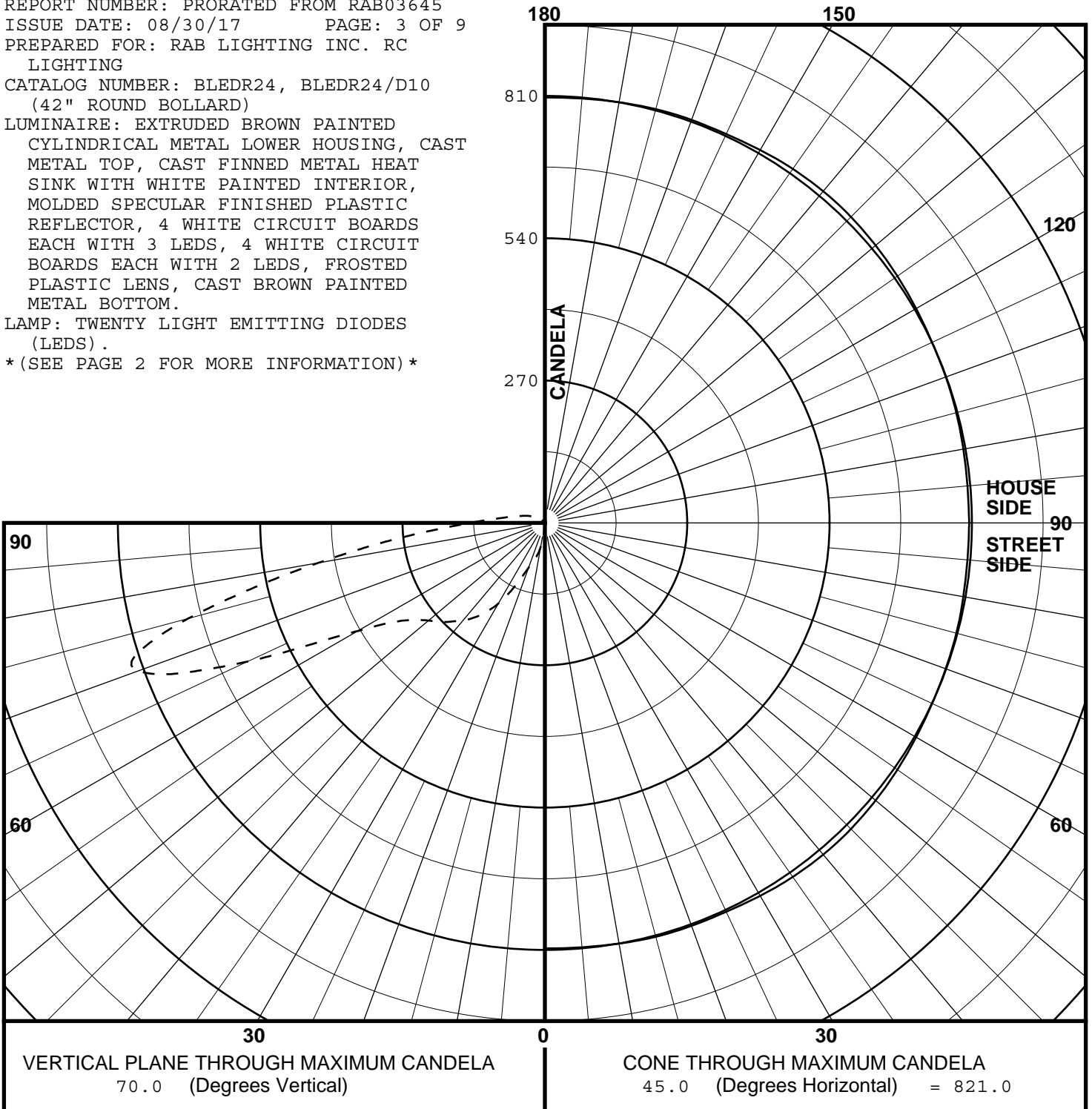
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ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB03645 WHICH WAS BLEDR24Y,
BLEDR24Y/D10. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 23.2 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

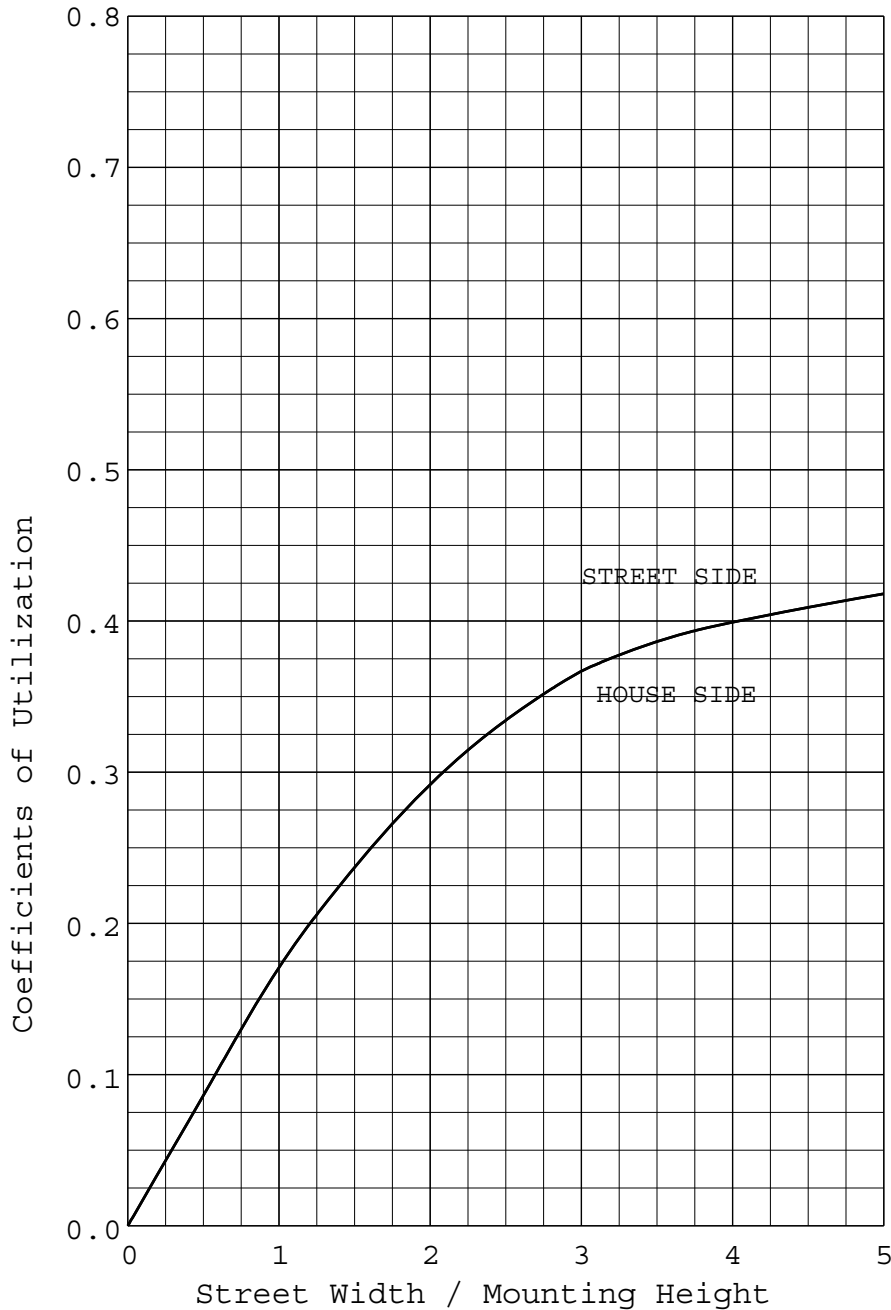
REPORT NUMBER: PRORATED FROM RAB03645
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 PREPARED FOR: RAB LIGHTING INC. RC
 LIGHTING
 CATALOG NUMBER: BLEDR24, BLEDR24/D10
 (42" ROUND BOLLARD)
 LUMINAIRE: EXTRUDED BROWN PAINTED
 CYLINDRICAL METAL LOWER HOUSING, CAST
 METAL TOP, CAST FINNED METAL HEAT
 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	1164.	45.7
DOWNWARD HOUSE SIDE	1164.	45.7
DOWNWARD TOTAL	2329.	91.5
UPWARD STREET SIDE	108.	4.3
UPWARD HOUSE SIDE	108.	4.3
UPWARD TOTAL	217.	8.5
TOTAL FLUX	2546.	100.0
TOTAL INPUT WATTS = 23.2		
EFFICACY = 109.7 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

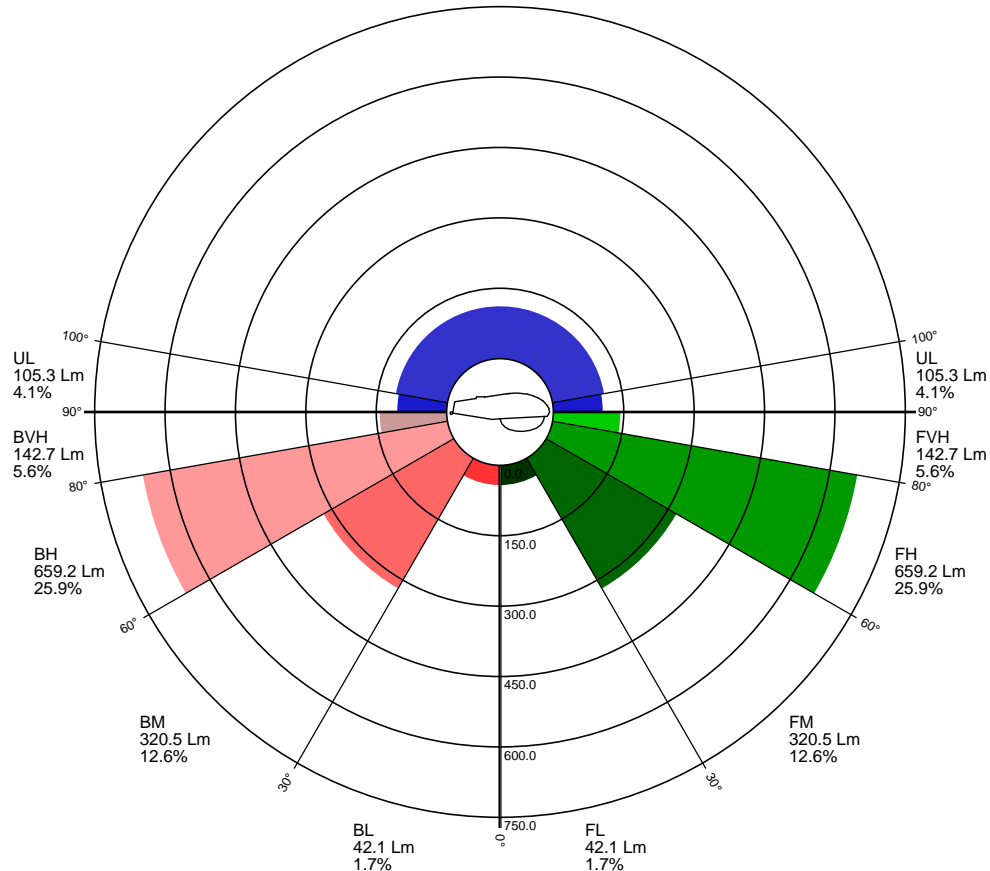
B U G

Forward		1164	45.7			
FL	(0° - 30°)	42.1	1.7			
FM	(30° - 60°)	320.5	12.6			
FH	(60° - 80°)	659.2	25.9			G0
FVH	(80° - 90°)	142.7	5.6			G2
Backward		1164	45.7			
BL	(0° - 30°)	42.1	1.7	B0		
BM	(30° - 60°)	320.5	12.6	B1		
BH	(60° - 80°)	659.2	25.9	B2		G0
BVH	(80° - 90°)	142.7	5.6			G2
Upward		217	8.5			
UL	(90° - 100°)	105.3	4.1		U3	
UH	(100° - 180°)	111.6	4.4		U3	
Trapped Light		0	0.0			
Total Flux		2546	100.0			

Zonal Lumen Summary

(Linear scale)

UH
111.6 Lm
4.4%

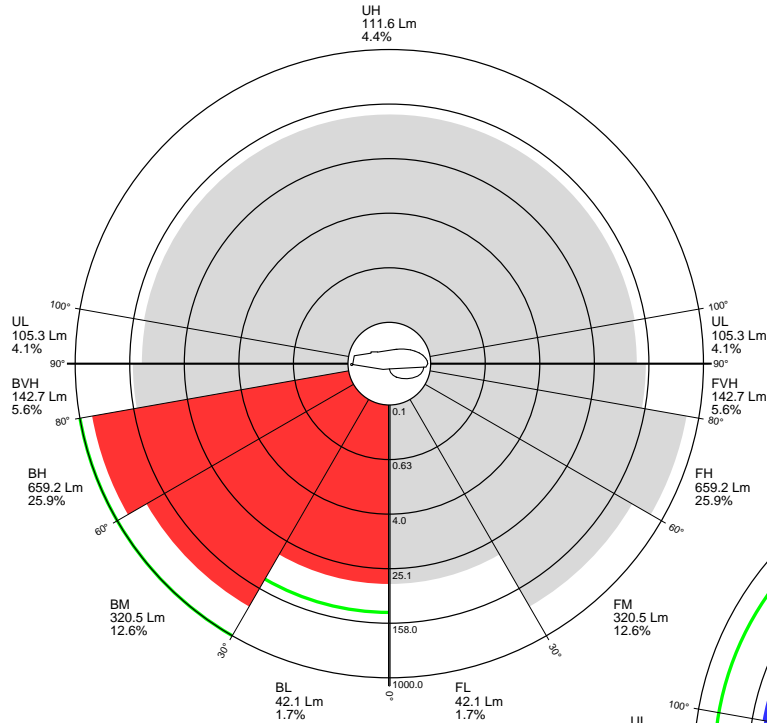


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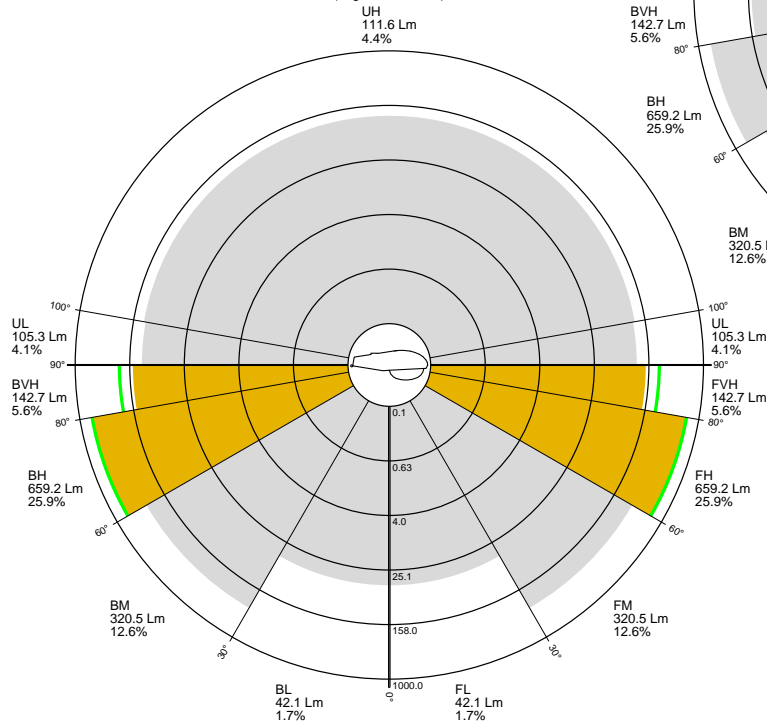
Backlight Rating Details

(Logarithmic scale)



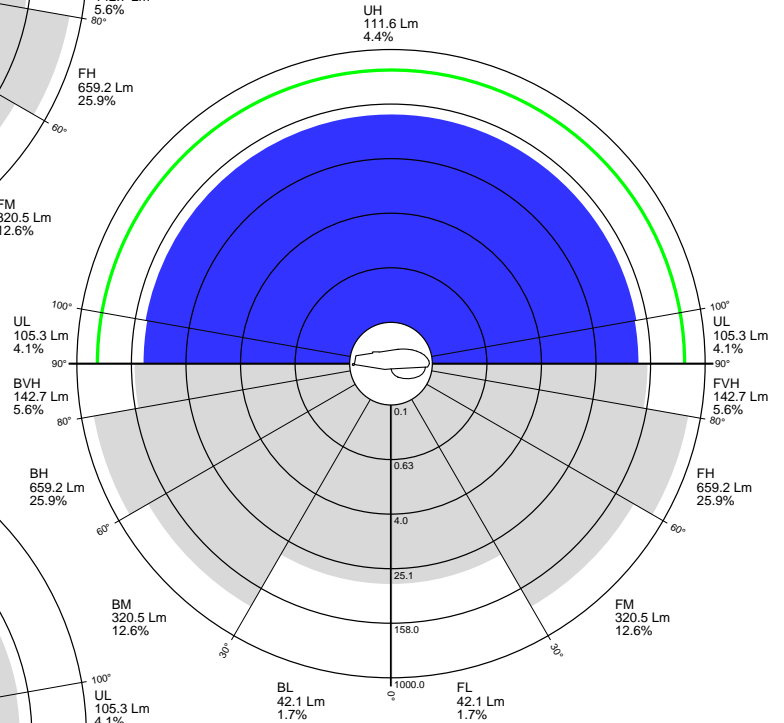
Glare Rating Details

(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	30.	30.	30.	30.	30.	30.	30.	30.	30.
	105.0	50.	50.	50.	50.	50.	50.	50.	50.	50.
	95.0	93.	93.	93.	93.	93.	93.	93.	91.	91.
	90.0	142.	141.	142.	142.	142.	142.	143.	142.	141.
	87.5	183.	183.	184.	185.	185.	185.	185.	185.	183.
	85.0	244.	244.	246.	246.	247.	247.	248.	246.	248.
V	82.5	324.	323.	329.	329.	330.	333.	333.	330.	333.
E	80.0	426.	425.	431.	432.	434.	437.	434.	433.	436.
R	77.5	550.	552.	556.	557.	560.	563.	562.	561.	564.
T	75.0	685.	687.	691.	693.	697.	700.	694.	698.	701.
I	72.5	787.	792.	793.	798.	800.	805.	799.	800.	800.
C	70.0<<	807.	808.	813.	814.	820.	821.	816.	810.	808.
A	67.5	734.	739.	741.	741.	746.	744.	742.	732.	723.
L	65.0	616.	621.	625.	625.	622.	622.	616.	609.	598.
	62.5	501.	502.	504.	505.	497.	498.	494.	486.	481.
A	60.0	418.	416.	418.	417.	413.	410.	410.	406.	402.
N	57.5	363.	362.	361.	363.	357.	355.	354.	353.	350.
G	55.0	328.	328.	328.	327.	324.	322.	320.	320.	320.
L	52.5	307.	307.	306.	304.	303.	302.	300.	300.	300.
E	50.0	292.	292.	290.	289.	289.	288.	286.	286.	286.
	47.5	280.	280.	279.	278.	278.	276.	274.	274.	275.
	45.0	269.	269.	268.	267.	267.	266.	264.	264.	265.
	42.5	259.	258.	256.	256.	255.	253.	253.	253.	253.
	40.0	247.	247.	245.	244.	244.	241.	241.	241.	242.
	37.5	234.	233.	232.	231.	230.	228.	228.	230.	231.
	35.0	218.	218.	217.	217.	214.	213.	213.	214.	217.
	30.0	178.	178.	178.	177.	177.	177.	177.	178.	178.
	25.0	129.	129.	129.	129.	130.	130.	130.	129.	128.
	20.0	90.	90.	90.	90.	91.	90.	90.	90.	89.
	15.0	69.	69.	69.	69.	69.	69.	68.	68.	68.
	10.0	48.	48.	48.	47.	47.	47.	47.	47.	48.
	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
	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	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	105.0	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	95.0	91.	91.	91.	91.	93.	93.	93.	93.	93.	93.	93.
	90.0	141.	141.	142.	142.	143.	142.	142.	142.	142.	141.	142.
	87.5	184.	183.	185.	185.	185.	185.	185.	185.	184.	183.	183.
	85.0	246.	245.	248.	246.	248.	247.	247.	246.	246.	244.	244.
V	82.5	328.	328.	333.	330.	333.	333.	330.	329.	329.	323.	324.
E	80.0	436.	430.	436.	433.	434.	437.	434.	432.	431.	425.	426.
R	77.5	566.	559.	564.	561.	562.	563.	560.	557.	556.	552.	550.
T	75.0	703.	693.	701.	698.	694.	700.	697.	693.	691.	687.	685.
I	72.5	796.	795.	800.	800.	799.	805.	800.	798.	793.	792.	787.
C	70.0<<	805.	805.	808.	810.	816.	821.	820.	814.	813.	808.	807.
A	67.5	717.	721.	723.	732.	742.	744.	746.	741.	741.	739.	734.
L	65.0	589.	595.	598.	609.	616.	622.	622.	625.	625.	621.	616.
	62.5	475.	480.	481.	486.	494.	498.	497.	505.	504.	502.	501.
A	60.0	402.	404.	402.	406.	410.	410.	413.	417.	418.	416.	418.
N	57.5	351.	353.	350.	353.	354.	355.	357.	363.	361.	362.	363.
G	55.0	320.	321.	320.	320.	320.	322.	324.	327.	328.	328.	328.
L	52.5	301.	301.	300.	300.	300.	302.	303.	304.	306.	307.	307.
E	50.0	287.	287.	286.	286.	286.	288.	289.	289.	290.	292.	292.
	47.5	276.	276.	275.	274.	274.	276.	278.	278.	279.	280.	280.
	45.0	267.	266.	265.	264.	264.	266.	267.	267.	268.	269.	269.
	42.5	256.	255.	253.	253.	253.	253.	255.	256.	256.	258.	259.
	40.0	245.	244.	242.	241.	241.	241.	244.	244.	245.	247.	247.
	37.5	231.	231.	231.	230.	228.	228.	230.	231.	232.	233.	234.
	35.0	217.	217.	217.	214.	213.	213.	214.	217.	217.	218.	218.
	30.0	178.	178.	178.	178.	177.	177.	177.	177.	178.	178.	178.
	25.0	128.	129.	128.	129.	130.	130.	130.	129.	129.	129.	129.
	20.0	89.	89.	89.	90.	90.	90.	91.	90.	90.	90.	90.
	15.0	68.	68.	68.	68.	68.	69.	69.	69.	69.	69.	69.
	10.0	48.	48.	47.	47.	47.	47.	47.	47.	48.	48.	48.
	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	58
35- 40	77
40- 45	94
45- 50	112
50- 55	132
55- 60	167
60- 65	245
65- 70	367
70- 75	405
75- 80	300
80- 85	182
85- 90	104
90- 95	63
95-100	42
100-105	31
105-110	23
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	22
0- 30	84
0- 40	219
0- 50	426
0- 60	725
0- 70	1337
0- 80	2043
0- 90	2329
0-100	2434
0-110	2489
0-120	2519
0-130	2535
0-140	2542
0-150	2545
0-160	2545
0-170	2546
0-180	2546