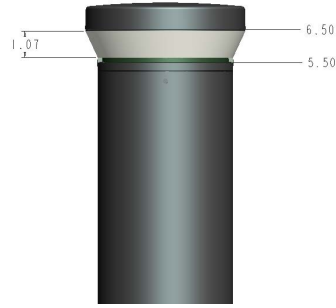


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 3.5 foot mounting height.



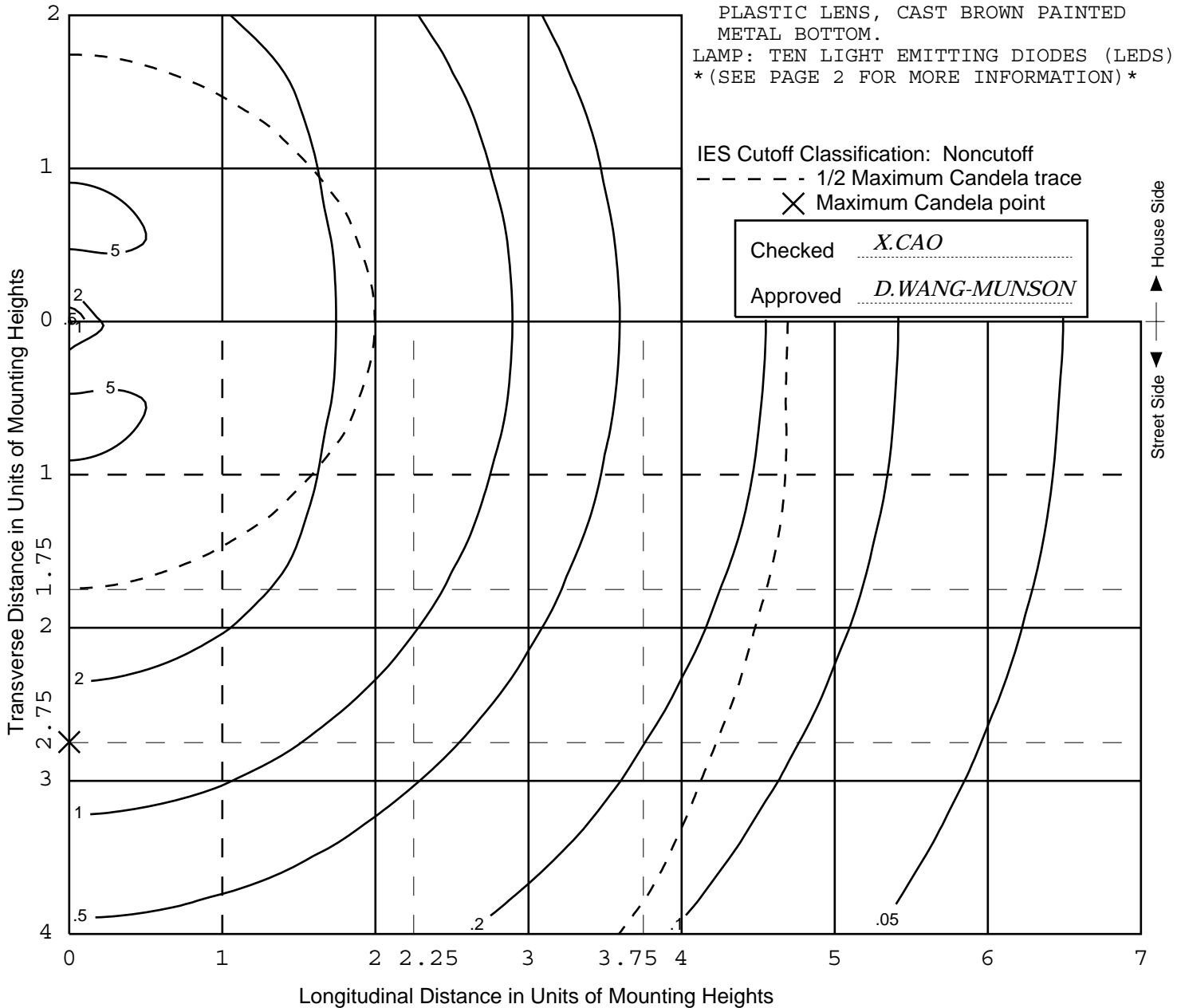
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 PREPARED FOR: RAB LIGHTING INC. RC LIGHTING

CATALOG NUMBER: BLED12N-180,
 BLED12N-180/D10, BDLED12N-180,
 BDLED12N-180/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, 2 WHITE CIRCUIT BOARDS
 EACH WITH 3 LEDS, 2 WHITE CIRCUIT
 BOARDS EACH WITH 2 LEDS, FROSTED
 PLASTIC LENS, CAST BROWN PAINTED
 METAL BOTTOM.

LAMP: TEN LIGHT EMITTING DIODES (LEDs).
 (SEE PAGE 2 FOR MORE INFORMATION)

IES Cutoff Classification: Noncutoff

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



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ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB03690 WHICH WAS BLEDR12Y-180, BLEDR12Y-180/D10, BDLEDR12Y-180, BDLEDR12Y-180/D10. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 12.2 W AT 277.0 VAC.

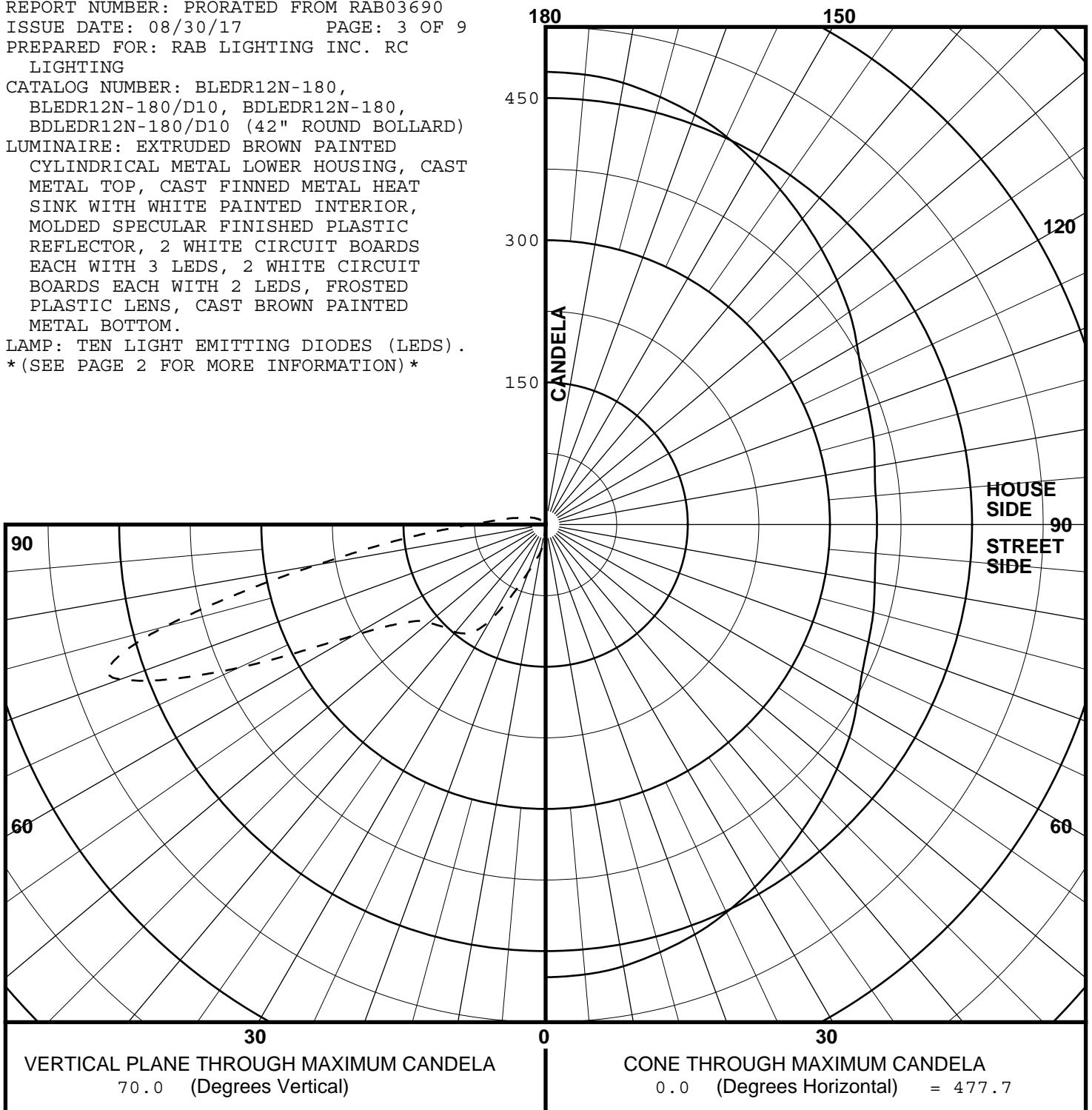
LED DRIVER: RDD-15W-032SE-A0350

TEST PROCEDURE: IESNA LM-79-08

LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

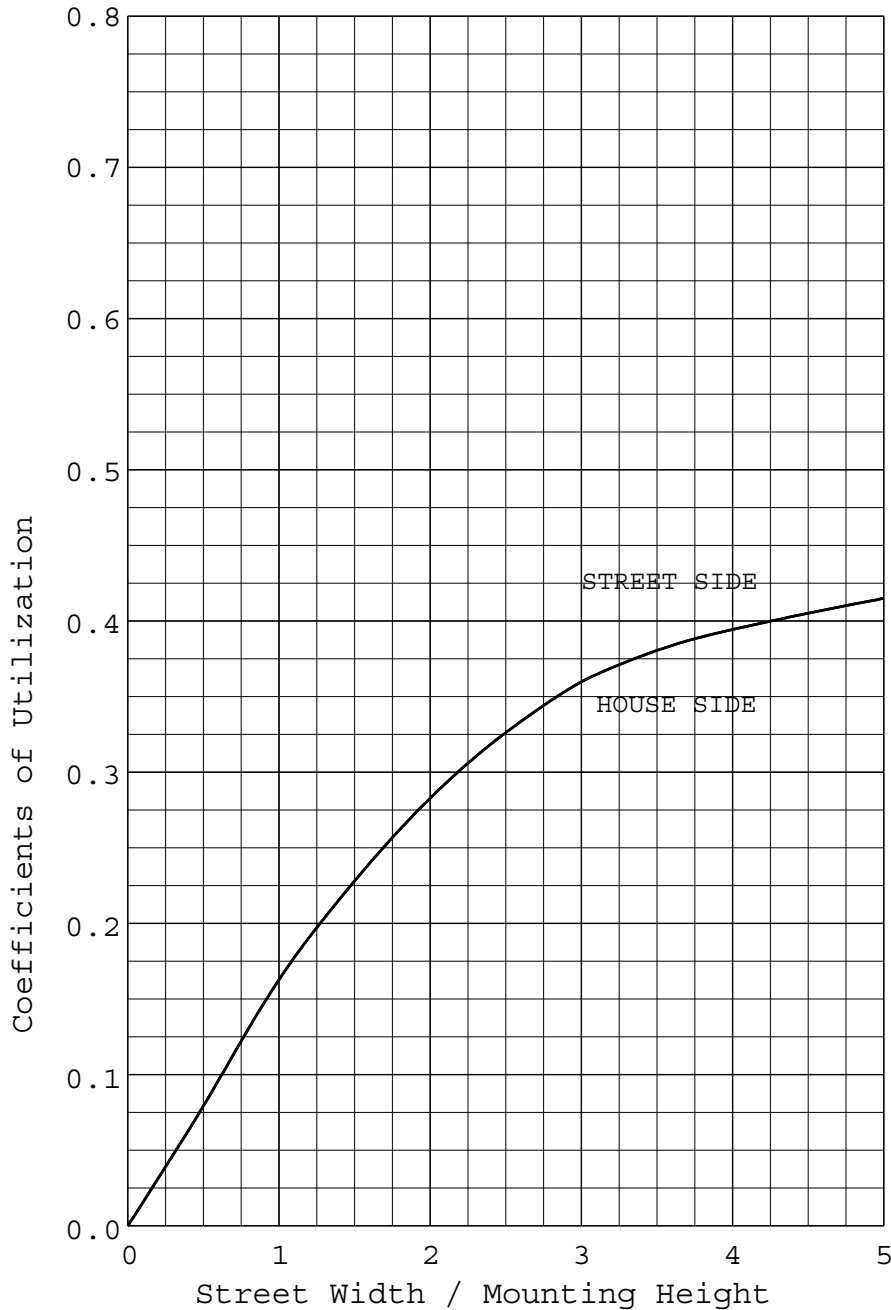
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 PREPARED FOR: RAB LIGHTING INC. RC
 LIGHTING
 CATALOG NUMBER: BLEDR12N-180,
 BLEDR12N-180/D10, BDLEDR12N-180,
 BDLEDR12N-180/D10 (42" ROUND BOLLARD)
 LUMINAIRE: EXTRUDED BROWN PAINTED
 CYLINDRICAL METAL LOWER HOUSING, CAST
 METAL TOP, CAST FINNED METAL HEAT
 SINK WITH WHITE PAINTED INTERIOR,
 MOLDED SPECULAR FINISHED PLASTIC
 REFLECTOR, 2 WHITE CIRCUIT BOARDS
 EACH WITH 3 LEDS, 2 WHITE CIRCUIT
 BOARDS EACH WITH 2 LEDS, FROSTED
 PLASTIC LENS, CAST BROWN PAINTED
 METAL BOTTOM.
 LAMP: TEN 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	603.	45.5
DOWNWARD HOUSE SIDE	603.	45.5
DOWNWARD TOTAL	1206.	91.1
UPWARD STREET SIDE	59.	4.5
UPWARD HOUSE SIDE	59.	4.5
UPWARD TOTAL	118.	8.9
TOTAL FLUX	1324.	100.0
TOTAL INPUT WATTS = 12.2		
EFFICACY = 108.5 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

B1 U3 G1

Zone Ratings

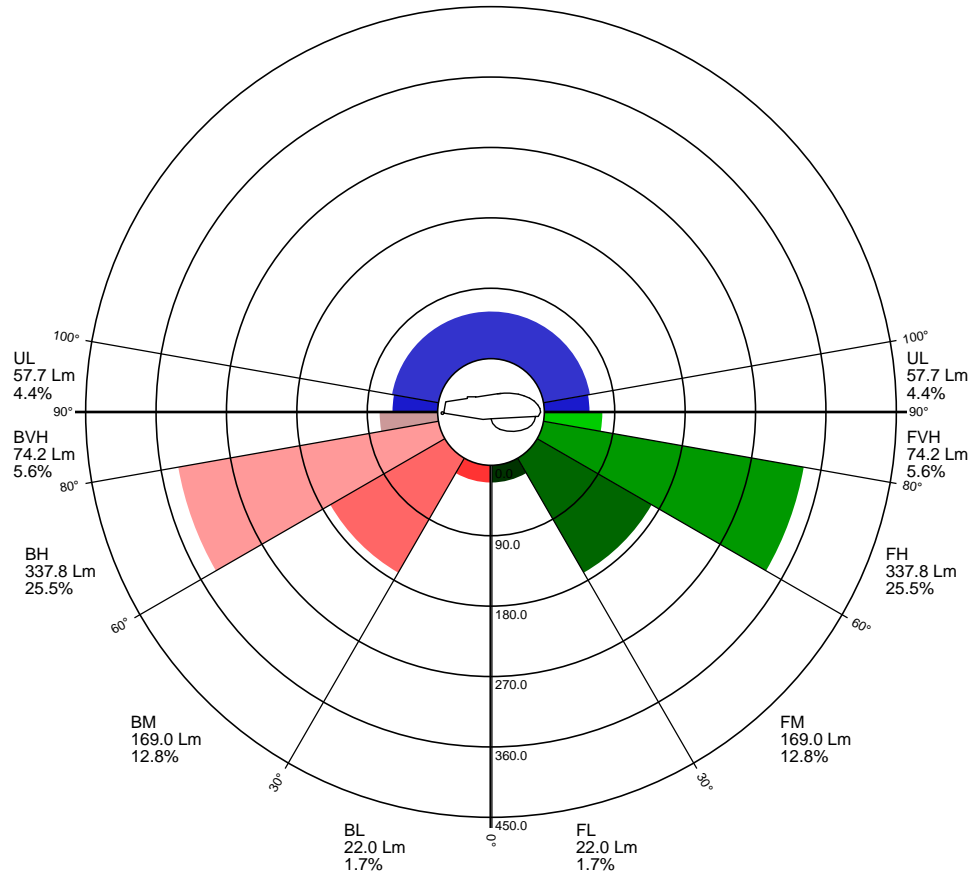
B U G

Forward		603	45.5			
FL	(0° - 30°)	22.0	1.7			
FM	(30° - 60°)	169.0	12.8			
FH	(60° - 80°)	337.8	25.5			G0
FVH	(80° - 90°)	74.2	5.6			G1
Backward		603	45.5			
BL	(0° - 30°)	22.0	1.7	B0		
BM	(30° - 60°)	169.0	12.8	B0		
BH	(60° - 80°)	337.8	25.5	B1		G0
BVH	(80° - 90°)	74.2	5.6			G1
Upward		118	8.9			
UL	(90° - 100°)	57.7	4.4		U3	
UH	(100° - 180°)	60.3	4.6		U3	
Trapped Light		0	0.0			
Total Flux		1324	100.0			

Zonal Lumen Summary

(Linear scale)

UH
60.3 Lm
4.6%

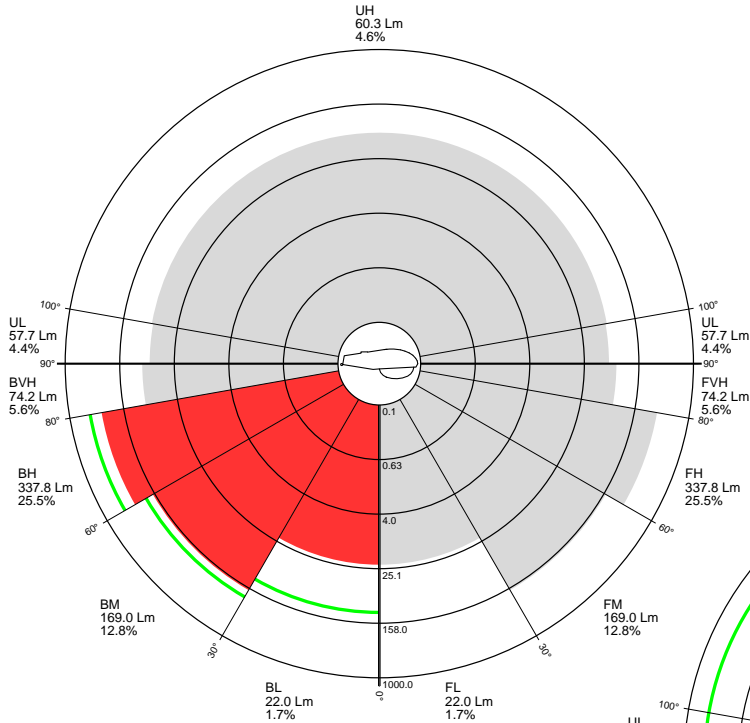


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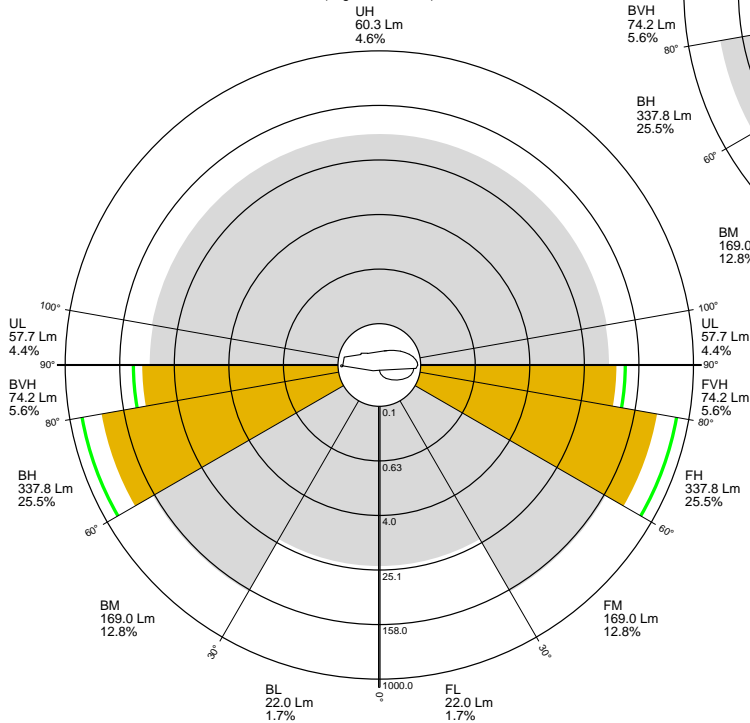
Backlight Rating Details

(Logarithmic scale)



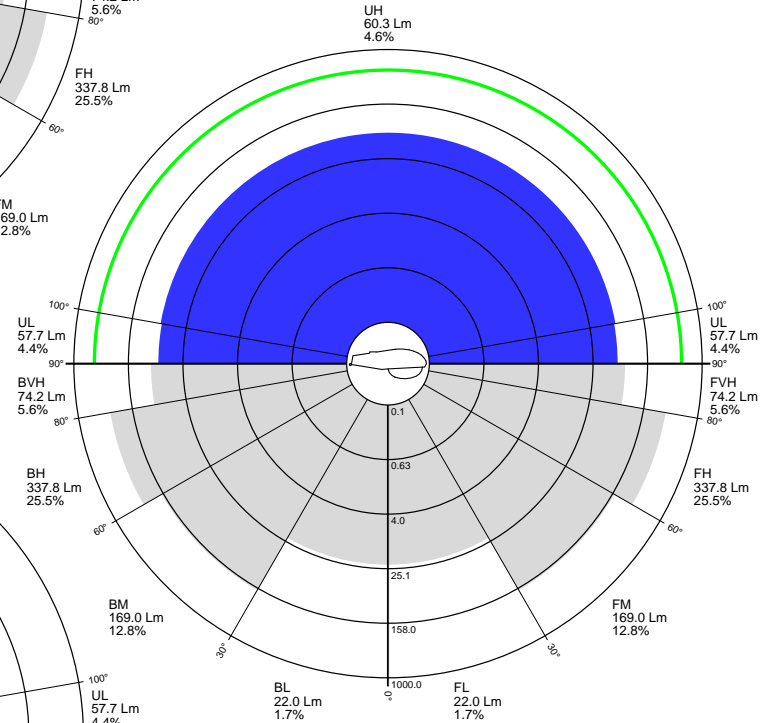
Glare Rating Details

(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	1.	1.	1.	1.	1.	1.	1.	1.	1.
	175.0	0.	0.	0.	0.	0.	0.	0.	1.	1.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	1.	0.	0.	0.	0.	0.	0.	0.
	145.0	2.	2.	2.	2.	2.	1.	1.	1.	1.
	135.0	6.	6.	6.	5.	5.	5.	5.	5.	4.
	125.0	11.	11.	11.	11.	9.	9.	9.	8.	8.
	115.0	18.	18.	18.	18.	18.	17.	17.	15.	15.
	105.0	28.	28.	28.	28.	28.	27.	27.	27.	26.
	95.0	52.	52.	52.	52.	51.	51.	50.	50.	50.
	90.0	79.	79.	79.	79.	77.	77.	76.	75.	72.
	87.5	103.	103.	104.	102.	101.	100.	96.	95.	92.
	85.0	139.	139.	139.	136.	133.	130.	124.	122.	120.
V	82.5	185.	186.	185.	181.	174.	170.	161.	158.	154.
E	80.0	245.	248.	245.	239.	230.	222.	210.	204.	200.
R	77.5	327.	331.	324.	314.	298.	289.	273.	262.	256.
T	75.0	416.	415.	408.	395.	372.	356.	338.	324.	313.
I	72.5	478.	475.	465.	448.	424.	404.	383.	366.	354.
C	70.0<<	478.	476.	467.	452.	431.	411.	391.	369.	358.
A	67.5	426.	427.	418.	408.	394.	377.	358.	335.	324.
L	65.0	358.	356.	350.	346.	333.	319.	303.	282.	273.
	62.5	288.	287.	283.	281.	273.	261.	250.	237.	230.
A	60.0	235.	234.	231.	230.	225.	217.	211.	204.	199.
N	57.5	200.	200.	198.	197.	194.	187.	185.	183.	180.
G	55.0	180.	179.	178.	177.	174.	170.	168.	168.	166.
L	52.5	167.	167.	166.	164.	161.	158.	156.	156.	156.
E	50.0	161.	160.	159.	156.	153.	151.	149.	148.	148.
	47.5	156.	155.	155.	151.	147.	145.	142.	140.	139.
	45.0	153.	153.	152.	147.	142.	139.	135.	133.	130.
	42.5	151.	151.	148.	142.	137.	132.	128.	124.	121.
	40.0	148.	147.	145.	139.	132.	126.	121.	115.	113.
	37.5	145.	143.	140.	134.	126.	119.	111.	107.	103.
	35.0	140.	139.	134.	128.	119.	110.	103.	97.	94.
	30.0	116.	116.	114.	108.	100.	92.	85.	78.	73.
	25.0	79.	79.	79.	76.	72.	68.	63.	58.	55.
	20.0	53.	53.	52.	51.	50.	47.	46.	44.	41.
	15.0	38.	39.	39.	38.	38.	37.	36.	36.	34.
	10.0	28.	28.	27.	26.	26.	24.	23.	21.	20.
	5.0	6.	6.	5.	5.	5.	4.	4.	2.	2.
	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	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	175.0	1.	1.	1.	1.	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.	1.	0.
	145.0	1.	1.	1.	1.	1.	1.	2.	2.	2.	2.	2.
	135.0	4.	4.	4.	5.	5.	5.	5.	5.	6.	6.	6.
	125.0	8.	8.	8.	8.	9.	9.	9.	11.	11.	11.	11.
	115.0	15.	15.	15.	15.	17.	17.	18.	18.	18.	18.	18.
	105.0	26.	26.	26.	27.	27.	27.	28.	28.	28.	28.	28.
	95.0	47.	49.	50.	50.	50.	51.	51.	52.	52.	52.	52.
	90.0	72.	71.	72.	75.	76.	77.	77.	79.	79.	79.	79.
	87.5	91.	90.	92.	95.	96.	100.	101.	102.	104.	103.	103.
	85.0	117.	116.	120.	122.	124.	130.	133.	136.	139.	139.	139.
V	82.5	153.	151.	154.	158.	161.	170.	174.	181.	185.	186.	185.
E	80.0	194.	194.	200.	204.	210.	222.	230.	239.	245.	248.	245.
R	77.5	249.	249.	256.	262.	273.	289.	298.	314.	324.	331.	327.
T	75.0	307.	307.	313.	324.	338.	356.	372.	395.	408.	415.	416.
I	72.5	348.	348.	354.	366.	383.	404.	424.	448.	465.	475.	478.
C	70.0<<	350.	350.	358.	369.	391.	411.	431.	452.	467.	476.	478.
A	67.5	314.	314.	324.	335.	358.	377.	394.	408.	418.	427.	426.
L	65.0	266.	264.	273.	282.	303.	319.	333.	346.	350.	356.	358.
	62.5	224.	224.	230.	237.	250.	261.	273.	281.	283.	287.	288.
A	60.0	197.	197.	199.	204.	211.	217.	225.	230.	231.	234.	235.
N	57.5	179.	179.	180.	183.	185.	187.	194.	197.	198.	200.	200.
G	55.0	166.	166.	166.	168.	168.	170.	174.	177.	178.	179.	180.
L	52.5	154.	154.	156.	156.	156.	158.	161.	164.	166.	167.	167.
E	50.0	146.	146.	148.	148.	149.	151.	153.	156.	159.	160.	161.
	47.5	137.	137.	139.	140.	142.	145.	147.	151.	155.	155.	156.
	45.0	130.	130.	130.	133.	135.	139.	142.	147.	152.	153.	153.
	42.5	121.	121.	121.	124.	128.	132.	137.	142.	148.	151.	151.
	40.0	111.	111.	113.	115.	121.	126.	132.	139.	145.	147.	148.
	37.5	101.	101.	103.	107.	111.	119.	126.	134.	140.	143.	145.
	35.0	90.	90.	94.	97.	103.	110.	119.	128.	134.	139.	140.
	30.0	70.	71.	73.	78.	85.	92.	100.	108.	114.	116.	116.
	25.0	52.	53.	55.	58.	63.	68.	72.	76.	79.	79.	79.
	20.0	41.	41.	41.	44.	46.	47.	50.	51.	52.	53.	53.
	15.0	34.	33.	34.	36.	36.	37.	38.	38.	39.	39.	38.
	10.0	21.	20.	20.	21.	23.	24.	26.	26.	27.	28.	28.
	5.0	2.	1.	2.	2.	4.	4.	5.	5.	5.	6.	6.
	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	1
10- 15	4
15- 20	7
20- 25	12
25- 30	20
30- 35	30
35- 40	40
40- 45	50
45- 50	59
50- 55	70
55- 60	89
60- 65	127
65- 70	186
70- 75	207
75- 80	155
80- 85	93
85- 90	55
90- 95	34
95-100	23
100-105	17
105-110	13
110-115	10
115-120	7
120-125	5
125-130	4
130-135	2
135-140	1
140-145	1
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	1
0- 20	12
0- 30	44
0- 40	115
0- 50	223
0- 60	382
0- 70	696
0- 80	1057
0- 90	1206
0-100	1264
0-110	1293
0-120	1310
0-130	1319
0-140	1322
0-150	1323
0-160	1324
0-170	1324
0-180	1324