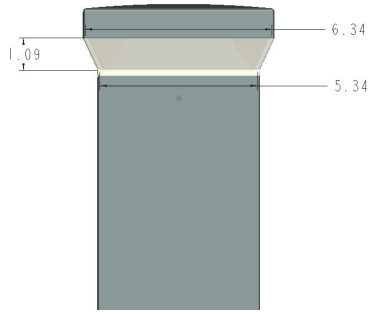


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 3.5 foot mounting height.



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CATALOG NUMBER: BLED12N-180,
 BLED12N-180/D10 (42" SQUARE BOLLARD)
 LUMINAIRE: EXTRUDED BROWN PAINTED
 SQUARE METAL LOWER HOUSING, CAST
 METAL TOP, CAST FINNED METAL HEAT
 SINK WITH WHITE PAINTED INTERIOR,
 MOLDED SPECULAR FINISHED PLASTIC
 REFLECTOR WITH WHITE CORNER DIVIDERS
 CREATING 4 OPTICAL COMPARTMENTS, 2
 OPTICAL COMPARTMENT CONTAINS 1 WHITE
 CIRCUIT BOARD WITH 5 LEDS, FROSTED
 PLASTIC LENS, CAST BROWN PAINTED
 METAL BOTTOM.

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

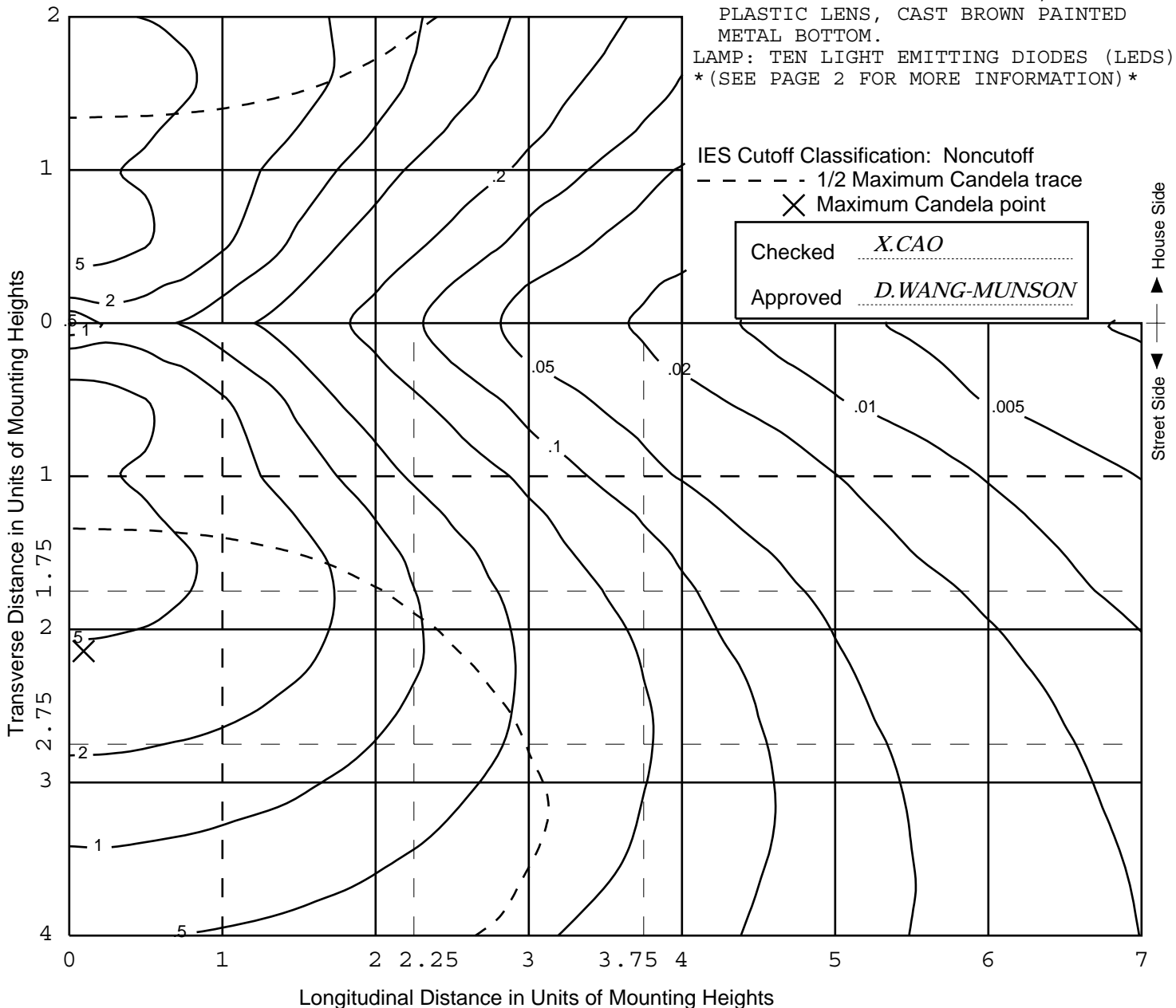
IES Cutoff Classification: Noncutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



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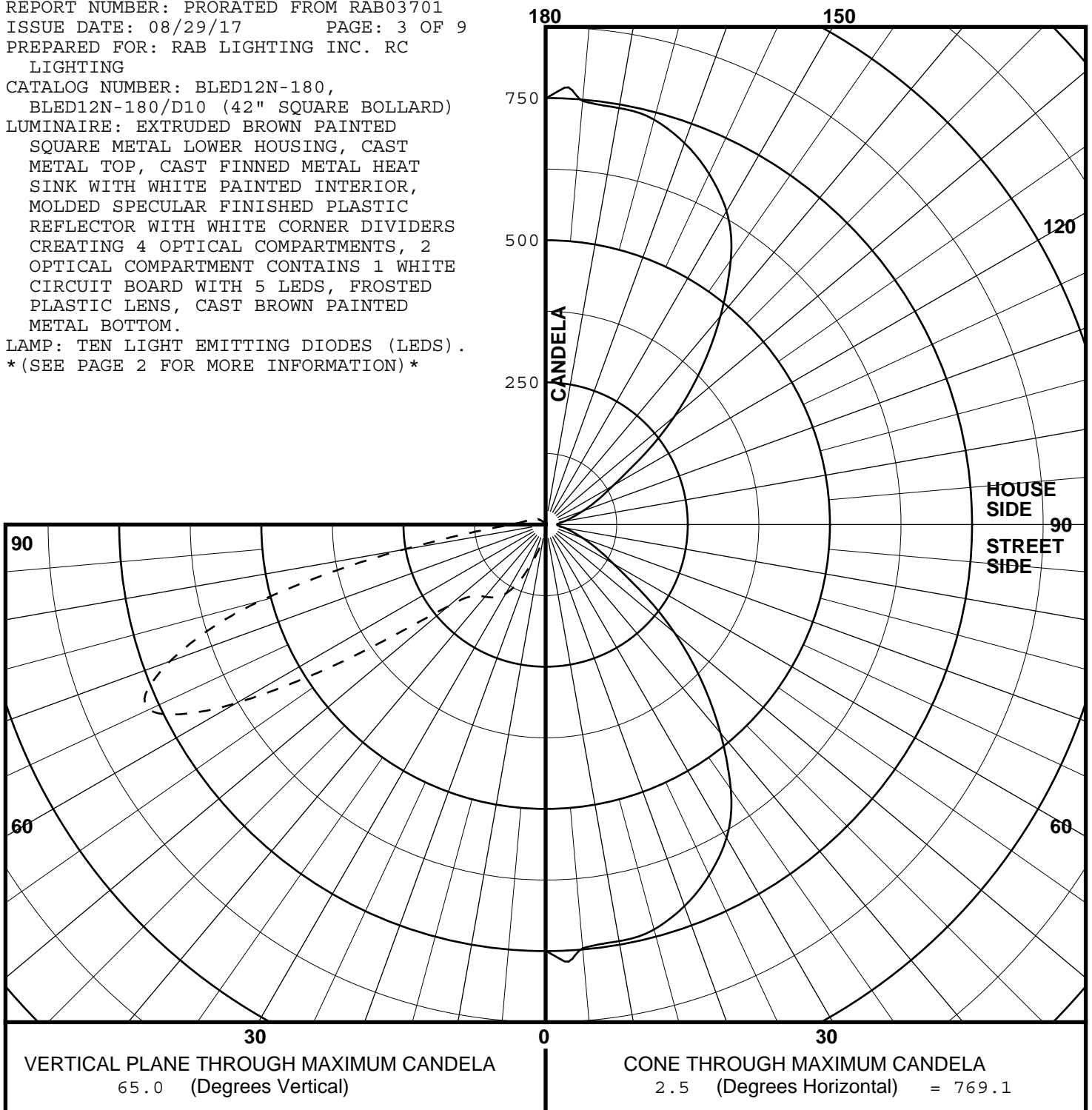
PAGE: 2 OF 9

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB03701 WHICH WAS BLED12Y-180,
BLED12Y-180/D10. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 12.1 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

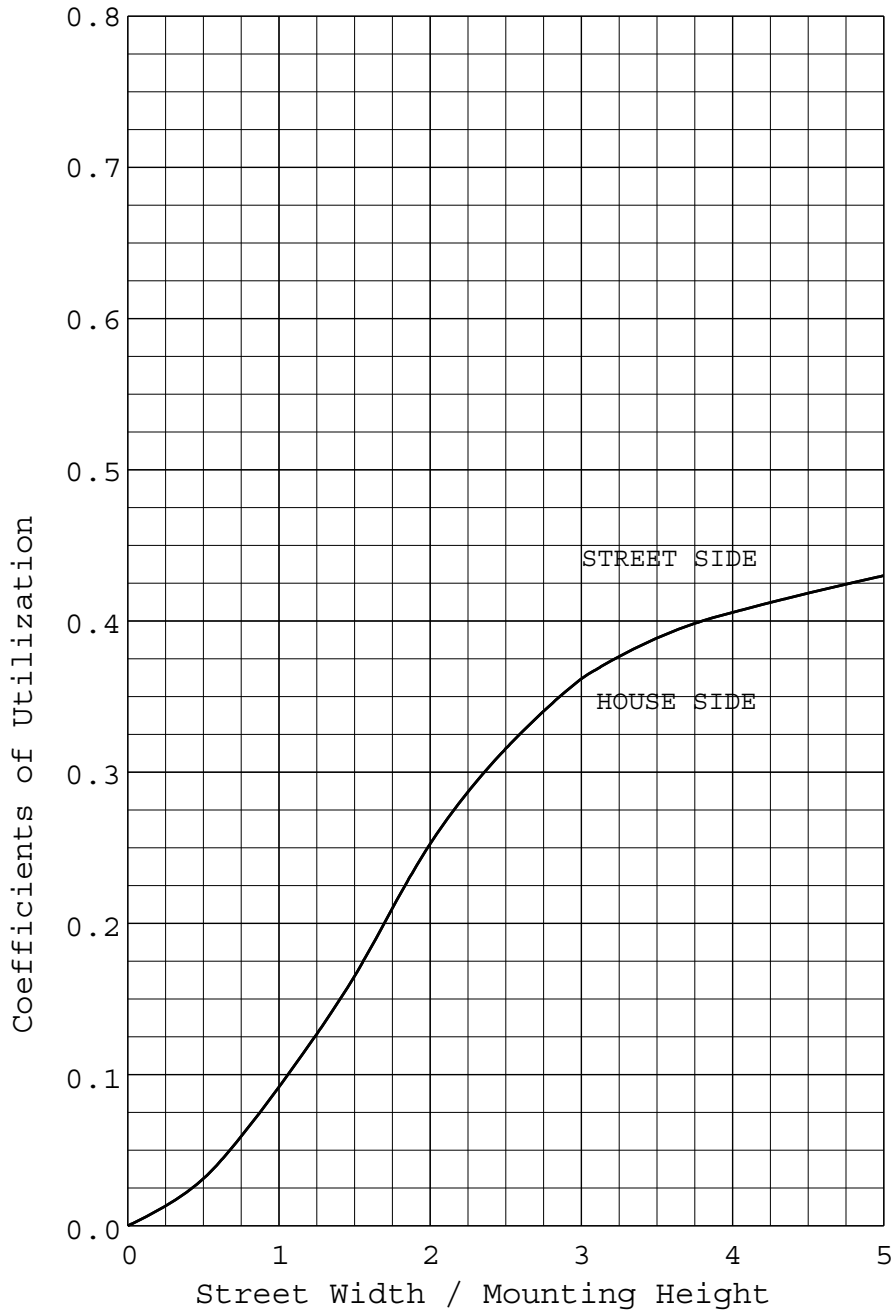
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 PREPARED FOR: RAB LIGHTING INC. RC
 LIGHTING
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	610.	46.7
DOWNWARD HOUSE SIDE	610.	46.7
DOWNWARD TOTAL	1220.	93.4
UPWARD STREET SIDE	43.	3.3
UPWARD HOUSE SIDE	43.	3.3
UPWARD TOTAL	86.	6.6
TOTAL FLUX	1306.	100.0
TOTAL INPUT WATTS = 12.1		
EFFICACY = 107.9 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 U2 G1

Zone Ratings

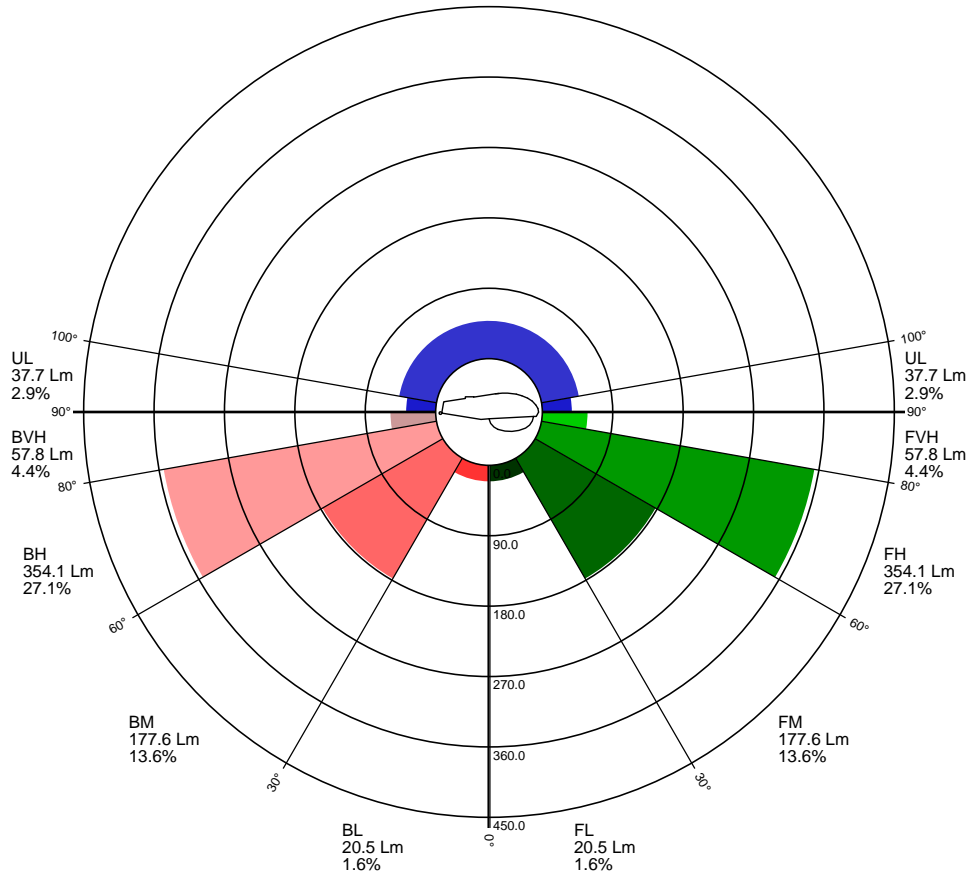
B U G

Forward		610	46.7			
FL	(0° - 30°)	20.5	1.6			
FM	(30° - 60°)	177.6	13.6			
FH	(60° - 80°)	354.1	27.1			G0
FVH	(80° - 90°)	57.8	4.4			G1
Backward		610	46.7			
BL	(0° - 30°)	20.5	1.6	B0		
BM	(30° - 60°)	177.6	13.6	B0		
BH	(60° - 80°)	354.1	27.1	B1		G1
BVH	(80° - 90°)	57.8	4.4			G1
Upward		86	6.6			
UL	(90° - 100°)	37.7	2.9		U2	
UH	(100° - 180°)	48.3	3.7		U2	
Trapped Light		0	0.0			
Total Flux		1306	100.0			

Zonal Lumen Summary

(Linear scale)

UH
48.3 Lm
3.7%

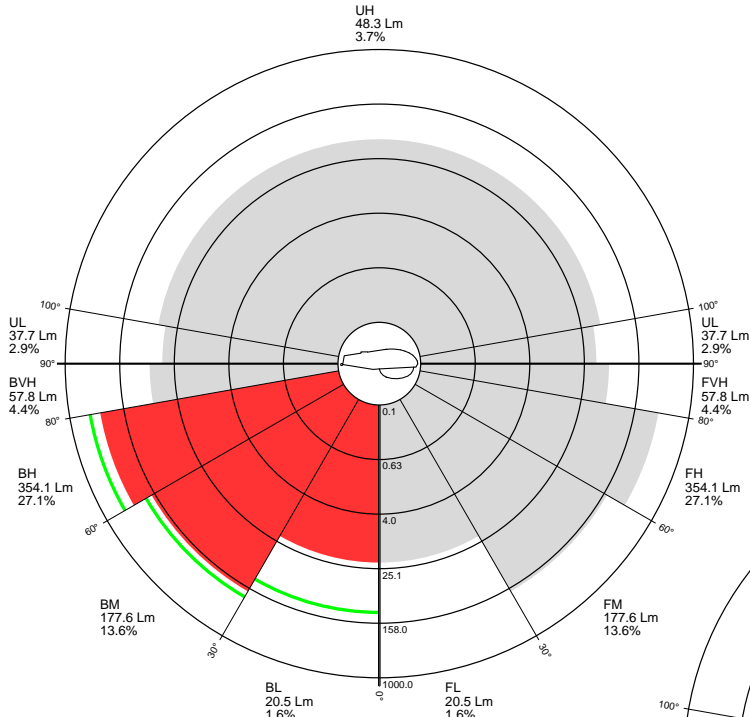


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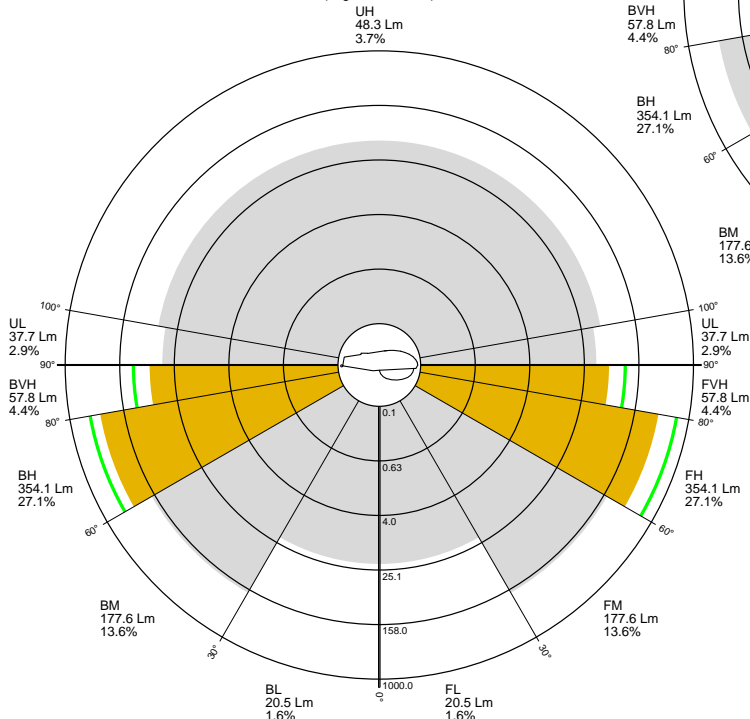
Backlight Rating Details

(Logarithmic scale)



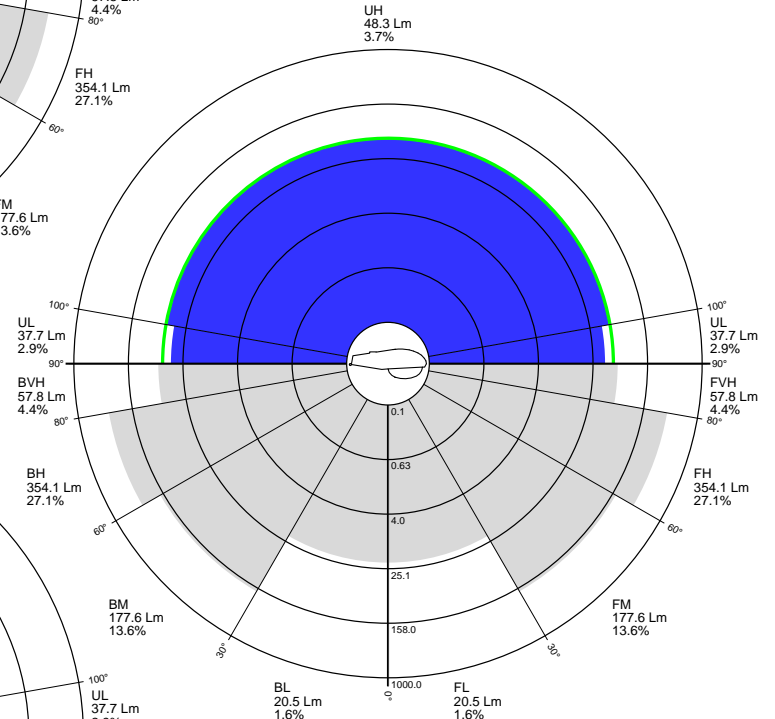
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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STREET SIDE

0.0 2.5 5.0 15.0 25.0 35.0 45.0 55.0 65.0 75.0 85.0

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	4.	4.	4.	4.	2.	1.	1.	0.	0.	0.	0.
	165.0	2.	2.	2.	2.	1.	1.	1.	0.	0.	0.	0.
	155.0	1.	1.	1.	1.	1.	1.	0.	1.	0.	0.	0.
	145.0	1.	1.	1.	1.	1.	1.	2.	2.	4.	4.	4.
	135.0	1.	1.	1.	1.	2.	4.	5.	7.	8.	8.	8.
	125.0	1.	1.	1.	2.	6.	8.	11.	13.	15.	17.	17.
	115.0	1.	2.	2.	6.	11.	15.	19.	21.	23.	24.	24.
	105.0	2.	2.	6.	13.	19.	23.	26.	28.	30.	31.	31.
	95.0	4.	5.	14.	26.	36.	40.	43.	44.	44.	44.	44.
	90.0	5.	7.	25.	46.	59.	65.	65.	65.	62.	59.	59.
	87.5	5.	8.	31.	62.	84.	91.	88.	85.	79.	76.	75.
	85.0	6.	11.	37.	81.	123.	136.	129.	121.	109.	103.	101.
	82.5	7.	12.	41.	102.	174.	209.	201.	185.	165.	151.	148.
	80.0	9.	14.	46.	120.	228.	299.	307.	288.	258.	237.	236.
	77.5	11.	15.	47.	132.	270.	380.	418.	414.	388.	369.	363.
	75.0	13.	17.	47.	134.	297.	442.	507.	523.	508.	499.	494.
	72.5	14.	19.	47.	127.	300.	478.	574.	600.	600.	596.	594.
	70.0	17.	20.	47.	117.	281.	480.	615.	664.	671.	666.	665.
	67.5	19.	23.	49.	107.	245.	448.	614.	696.	724.	723.	722.
	65.0<<	20.	24.	49.	100.	205.	388.	568.	680.	737.	748.	749.
	62.5	21.	25.	50.	95.	171.	315.	488.	621.	702.	725.	726.
	60.0	23.	26.	51.	92.	148.	249.	397.	530.	627.	658.	660.
	57.5	24.	27.	51.	91.	136.	200.	309.	429.	521.	559.	562.
	55.0	24.	27.	50.	89.	129.	172.	241.	334.	414.	450.	454.
	52.5	24.	27.	49.	88.	124.	156.	198.	256.	315.	344.	350.
	50.0	24.	27.	47.	84.	122.	149.	175.	209.	243.	265.	268.
	47.5	23.	26.	45.	81.	119.	145.	165.	185.	203.	215.	216.
	45.0	23.	26.	43.	76.	114.	141.	159.	172.	183.	190.	190.
	42.5	23.	25.	39.	70.	108.	137.	155.	166.	173.	177.	178.
	40.0	23.	25.	37.	63.	100.	132.	151.	162.	168.	171.	171.
	37.5	23.	24.	36.	57.	90.	123.	146.	158.	165.	166.	167.
	35.0	23.	24.	33.	51.	81.	113.	137.	152.	159.	162.	162.
30.0	21.	23.	30.	40.	60.	85.	111.	132.	142.	146.	146.	
25.0	21.	21.	26.	34.	45.	59.	77.	94.	105.	111.	111.	
20.0	20.	21.	25.	28.	34.	41.	51.	59.	66.	70.	70.	
15.0	18.	19.	24.	25.	28.	31.	36.	38.	41.	43.	43.	
10.0	9.	11.	14.	18.	20.	24.	26.	27.	28.	28.	28.	
5.0	2.	2.	4.	4.	5.	6.	8.	11.	13.	15.	18.	
0.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	0
5- 10	1
10- 15	3
15- 20	6
20- 25	11
25- 30	19
30- 35	28
35- 40	36
40- 45	43
45- 50	53
50- 55	76
55- 60	119
60- 65	171
65- 70	202
70- 75	192
75- 80	143
80- 85	77
85- 90	38
90- 95	22
95-100	15
100-105	12
105-110	10
110-115	8
115-120	6
120-125	5
125-130	3
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	11
0- 30	41
0- 40	104
0- 50	201
0- 60	396
0- 70	769
0- 80	1104
0- 90	1220
0-100	1258
0-110	1279
0-120	1293
0-130	1301
0-140	1304
0-150	1305
0-160	1306
0-170	1306
0-180	1306