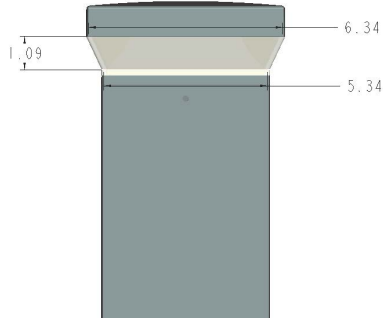


### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 3.5 foot mounting height.



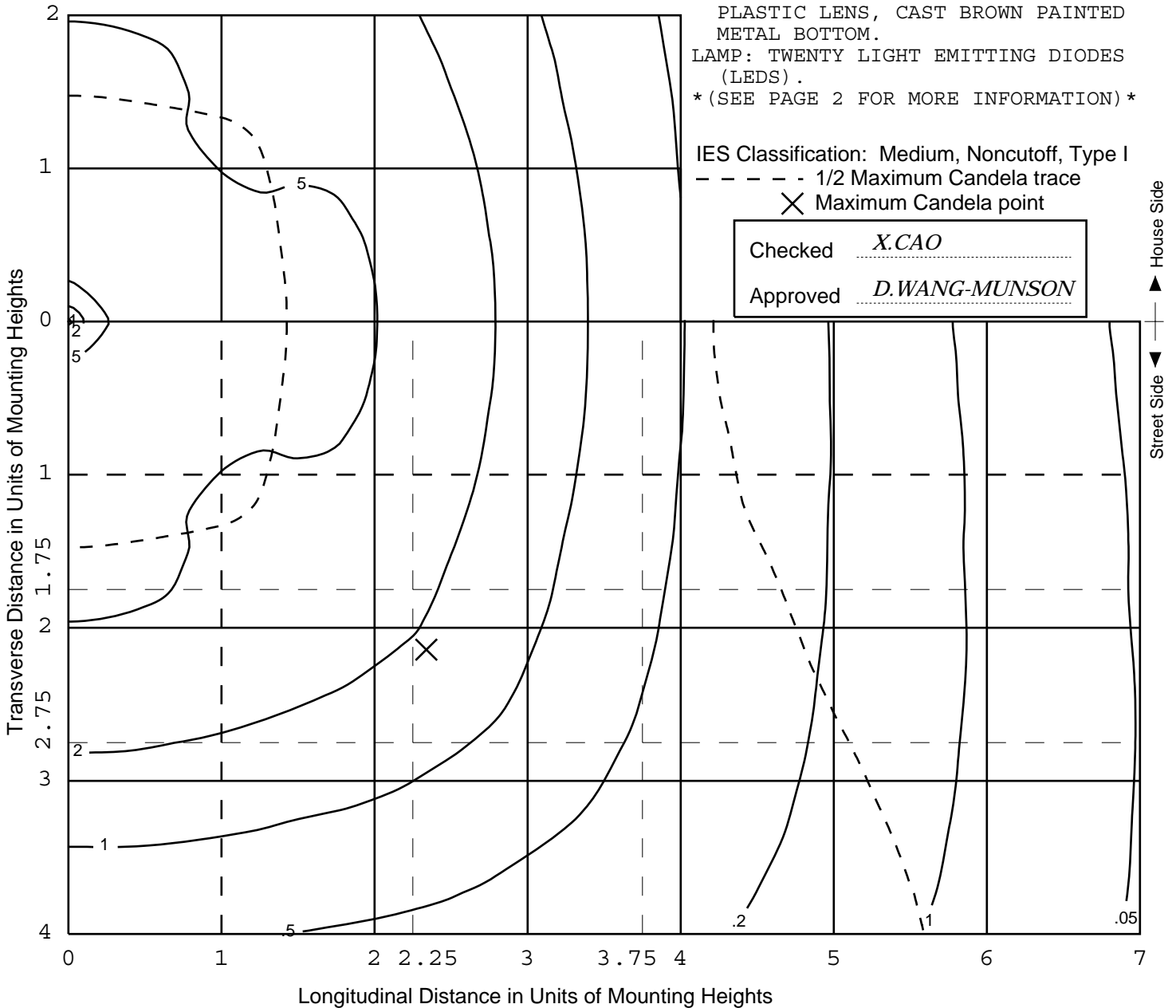
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CATALOG NUMBER: BLED24N/347,  
 BLED24N/480 (42" SQUARE BOLLARD)  
 LUMINAIRE: EXTRUDED BROWN PAINTED  
 SQUARE METAL LOWER HOUSING, CAST  
 METAL TOP, CAST FINNED METAL HEAT  
 SINK WITH WHITE PAINTED INTERIOR,  
 MOLDED SPECULAR FINISHED PLASTIC  
 REFLECTOR WITH WHITE CORNER DIVIDERS  
 CREATING 4 OPTICAL COMPARTMENTS, EACH  
 OPTICAL COMPARTMENT CONTAINS 1 WHITE  
 CIRCUIT BOARD WITH 5 LEDS, FROSTED  
 PLASTIC LENS, CAST BROWN PAINTED  
 METAL BOTTOM.

LAMP: TWENTY LIGHT EMITTING DIODES  
 (LEDS).  
 \*(SEE PAGE 2 FOR MORE INFORMATION)\*

IES Classification: Medium, Noncutoff, Type I

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



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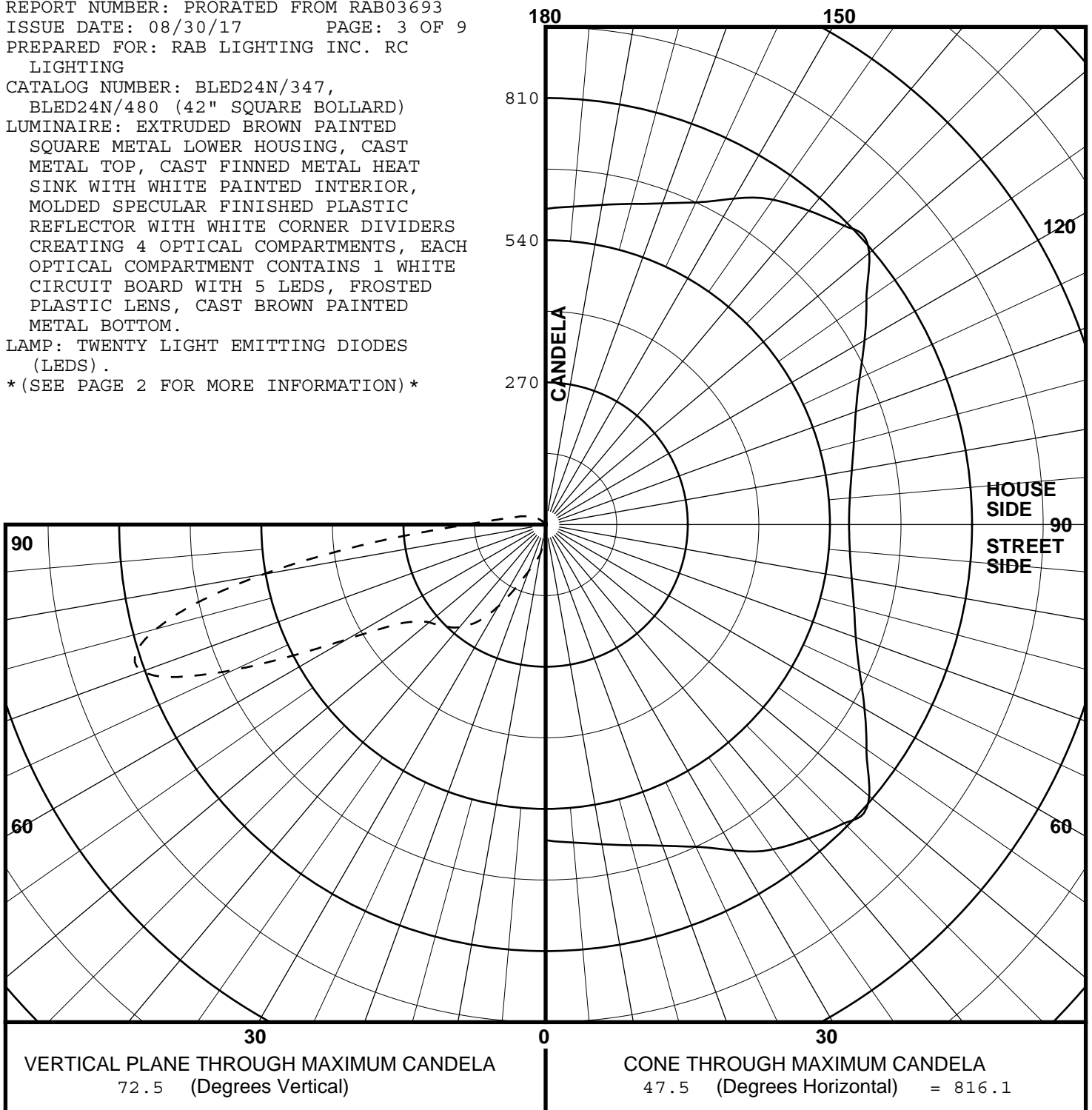
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## ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB03693 WHICH WAS BLED24Y/347,  
BLED24Y/480. ACTUAL PERFORMANCE MAY VARY.  
TOTAL INPUT WATTS = 22.0 W AT 347.0 VAC.  
LED DRIVER: RDD-LT40-A0700-60PF  
TEST PROCEDURE: IESNA LM-79-08  
LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE

### MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

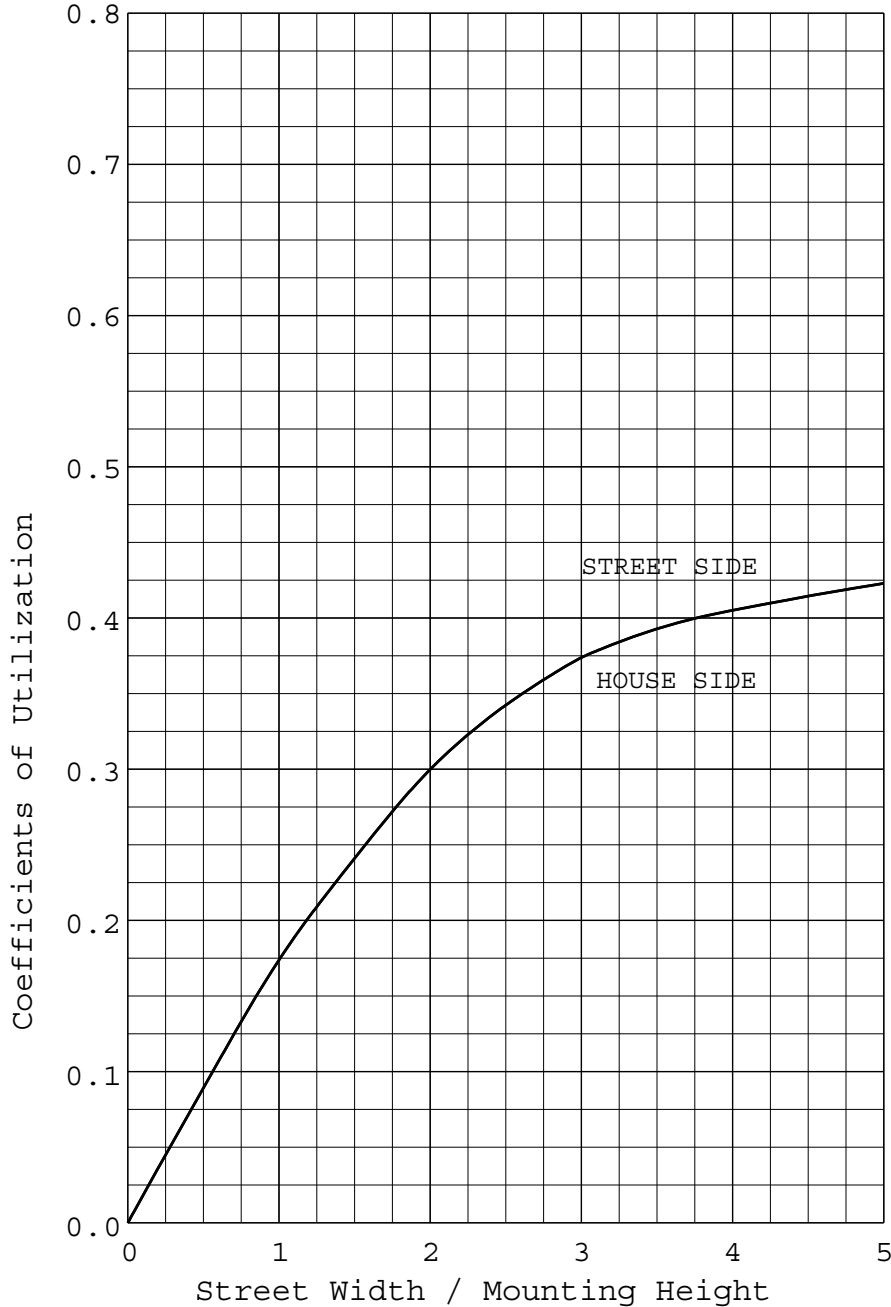
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 PREPARED FOR: RAB LIGHTING INC. RC  
 LIGHTING  
 CATALOG NUMBER: BLED24N/347,  
 BLED24N/480 (42" SQUARE BOLLARD)  
 LUMINAIRE: EXTRUDED BROWN PAINTED  
 SQUARE METAL LOWER HOUSING, CAST  
 METAL TOP, CAST FINNED METAL HEAT  
 SINK WITH WHITE PAINTED INTERIOR,  
 MOLDED SPECULAR FINISHED PLASTIC  
 REFLECTOR WITH WHITE CORNER DIVIDERS  
 CREATING 4 OPTICAL COMPARTMENTS, EACH  
 OPTICAL COMPARTMENT CONTAINS 1 WHITE  
 CIRCUIT BOARD WITH 5 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	1118.	45.9
DOWNWARD HOUSE SIDE	1118.	45.9
DOWNWARD TOTAL	2236.	91.7
UPWARD STREET SIDE	101.	4.1
UPWARD HOUSE SIDE	101.	4.1
UPWARD TOTAL	202.	8.3
TOTAL FLUX	2439.	100.0
TOTAL INPUT WATTS = 22		
EFFICACY = 110.9 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

B2 U3 G2

Zone Ratings

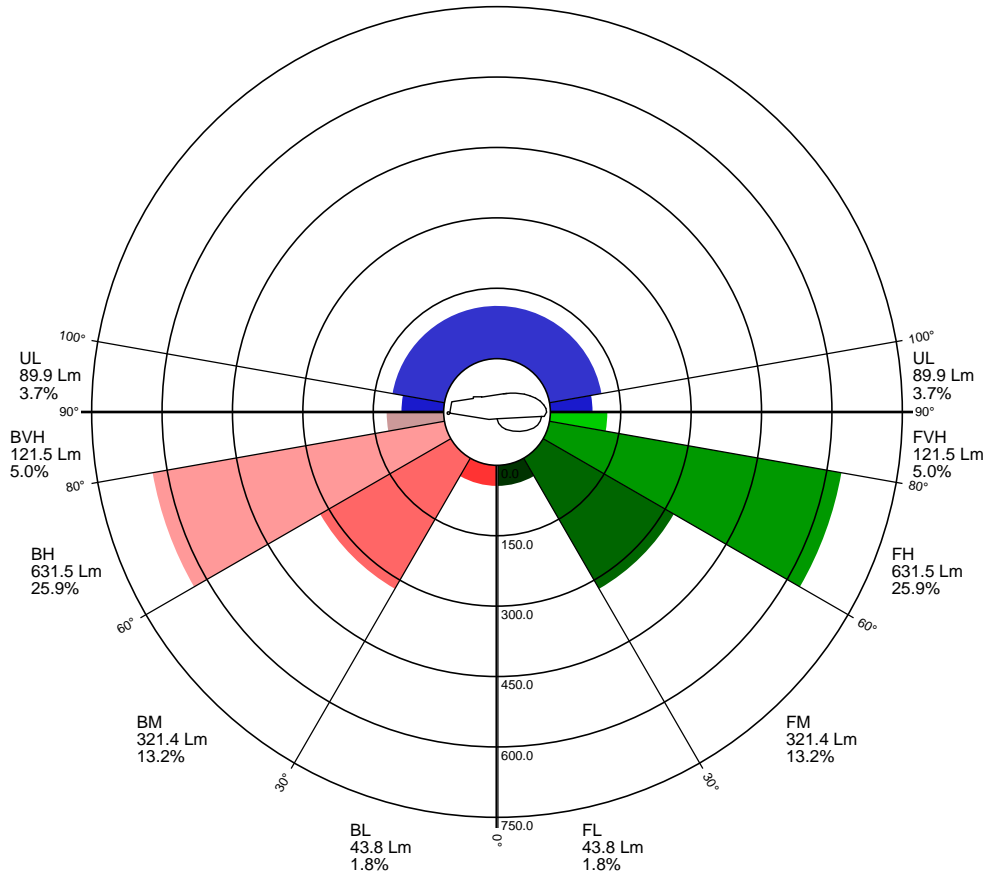
B U G

Forward		1118	45.9			
FL	(0° - 30°)	43.8	1.8			
FM	(30° - 60°)	321.4	13.2			
FH	(60° - 80°)	631.5	25.9			G0
FVH	(80° - 90°)	121.5	5.0			G2
Backward		1118	45.9			
BL	(0° - 30°)	43.8	1.8	B0		
BM	(30° - 60°)	321.4	13.2	B1		
BH	(60° - 80°)	631.5	25.9	B2		G0
BVH	(80° - 90°)	121.5	5.0			G2
Upward		202	8.3			
UL	(90° - 100°)	89.9	3.7		U3	
UH	(100° - 180°)	112.4	4.6		U3	
Trapped Light		0	0.0			
Total Flux		2439	100.0			

### Zonal Lumen Summary

(Linear scale)

UH  
112.4 Lm  
4.6%

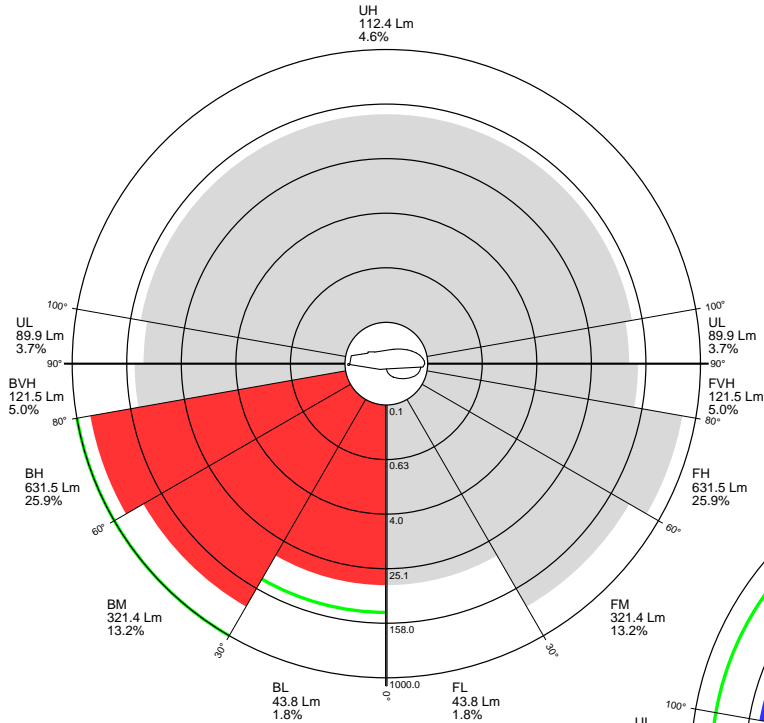


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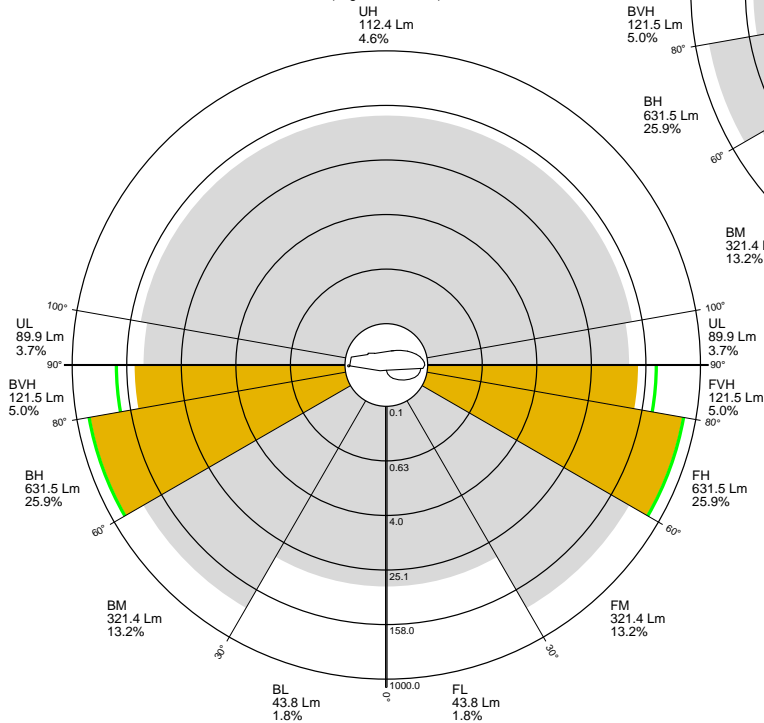
### Backlight Rating Details

(Logarithmic scale)



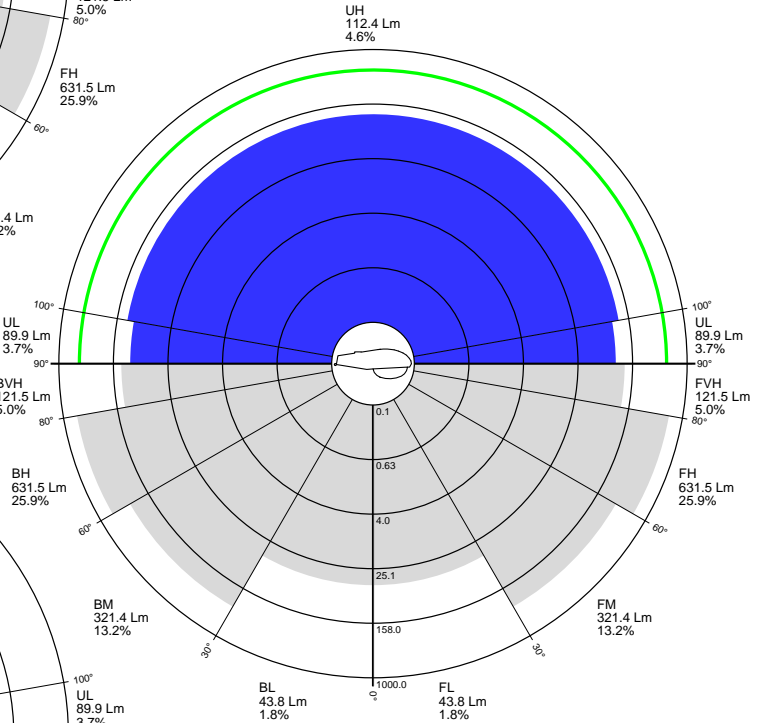
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION											
	STREET SIDE										
	0.0	5.0	15.0	25.0	35.0	45.0	47.5	55.0	65.0	75.0	85.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	1.	1.	1.	0.	0.	0.	0.	0.	1.	1.
	145.0	5.	5.	5.	3.	2.	2.	2.	3.	5.	5.
	135.0	11.	11.	11.	10.	9.	9.	9.	10.	11.	11.
	125.0	21.	21.	19.	19.	21.	22.	21.	19.	19.	21.
	115.0	30.	30.	30.	33.	36.	37.	36.	32.	30.	29.
	105.0	39.	39.	44.	50.	54.	55.	54.	49.	42.	39.
	95.0	57.	58.	71.	85.	94.	97.	94.	85.	70.	56.
	90.0	78.	83.	104.	130.	147.	150.	144.	125.	99.	78.
	87.5	99.	105.	132.	165.	194.	202.	195.	162.	124.	99.
	85.0	128.	136.	166.	219.	269.	287.	269.	211.	159.	130.
V	82.5	182.	188.	227.	297.	370.	409.	368.	284.	215.	179.
E	80.0	271.	276.	320.	400.	499.	548.	487.	382.	304.	264.
R	77.5	387.	392.	436.	518.	622.	671.	606.	494.	411.	373.
T	75.0	507.	517.	551.	616.	711.	760.	695.	591.	523.	487.
I	72.5<<	599.	606.	630.	675.	753.	802.	744.	658.	606.	580.
C	70.0	658.	664.	682.	705.	751.	789.	755.	701.	665.	644.
A	67.5	695.	698.	708.	705.	703.	719.	723.	721.	708.	695.
L	65.0	693.	696.	693.	661.	619.	612.	653.	650.	698.	718.
	62.5	649.	648.	635.	590.	523.	499.	536.	552.	630.	676.
A	60.0	567.	565.	549.	501.	436.	408.	436.	456.	536.	613.
N	57.5	469.	467.	452.	415.	368.	347.	366.	377.	437.	509.
G	55.0	373.	373.	366.	345.	321.	315.	324.	324.	355.	385.
L	52.5	297.	297.	299.	298.	295.	295.	303.	296.	301.	307.
E	50.0	246.	249.	258.	269.	280.	282.	289.	279.	269.	256.
	47.5	218.	221.	233.	252.	269.	274.	281.	268.	251.	224.
	45.0	203.	206.	218.	241.	260.	267.	273.	259.	240.	209.
	42.5	194.	197.	209.	230.	251.	259.	265.	251.	230.	199.
	40.0	188.	190.	201.	219.	241.	249.	254.	241.	221.	194.
	37.5	183.	185.	194.	209.	227.	236.	241.	229.	212.	189.
	35.0	178.	179.	187.	197.	212.	220.	225.	214.	202.	185.
	30.0	163.	163.	167.	170.	174.	178.	179.	178.	174.	170.
	25.0	134.	135.	136.	133.	131.	130.	130.	133.	138.	140.
	20.0	100.	100.	101.	99.	95.	94.	94.	95.	99.	102.
	15.0	69.	69.	73.	73.	72.	72.	72.	72.	73.	70.
	10.0	45.	45.	49.	53.	55.	55.	55.	53.	49.	45.
	5.0	24.	24.	21.	17.	16.	16.	14.	16.	18.	23.
	0.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
							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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	1.	1.	1.	0.	0.	0.	0.	0.	1.	1.
	145.0	5.	5.	5.	3.	2.	2.	2.	3.	5.	5.
	135.0	11.	11.	11.	10.	9.	9.	9.	10.	11.	11.
	125.0	21.	21.	19.	19.	21.	22.	21.	19.	19.	21.
	115.0	29.	29.	30.	32.	36.	37.	36.	33.	30.	30.
	105.0	38.	39.	42.	49.	54.	55.	54.	50.	44.	39.
	95.0	56.	56.	70.	85.	94.	97.	94.	85.	71.	58.
	90.0	75.	78.	99.	125.	144.	151.	147.	130.	104.	83.
	87.5	93.	99.	124.	162.	195.	202.	194.	165.	132.	105.
	85.0	121.	130.	159.	211.	269.	287.	269.	219.	166.	136.
V	82.5	170.	179.	215.	284.	368.	409.	370.	297.	227.	188.
E	80.0	253.	264.	304.	382.	487.	548.	499.	400.	320.	276.
R	77.5	368.	373.	411.	494.	606.	671.	622.	518.	436.	392.
T	75.0	485.	487.	523.	591.	695.	760.	711.	616.	551.	517.
I	72.5<<	577.	580.	606.	658.	744.	802.	753.	675.	630.	606.
C	70.0	641.	644.	665.	701.	755.	789.	751.	705.	682.	664.
A	67.5	691.	695.	708.	721.	723.	719.	703.	705.	708.	698.
L	65.0	712.	714.	718.	698.	650.	612.	619.	661.	693.	696.
	62.5	688.	688.	676.	630.	552.	499.	523.	590.	635.	648.
A	60.0	614.	613.	593.	536.	456.	408.	436.	501.	549.	565.
N	57.5	512.	509.	488.	437.	377.	347.	368.	415.	452.	467.
G	55.0	401.	400.	385.	355.	324.	315.	321.	345.	366.	373.
L	52.5	312.	312.	307.	301.	296.	295.	295.	298.	299.	297.
E	50.0	254.	256.	260.	269.	279.	282.	280.	269.	258.	249.
	47.5	222.	224.	235.	251.	268.	274.	269.	252.	233.	221.
	45.0	206.	209.	220.	240.	259.	267.	260.	241.	218.	206.
	42.5	197.	199.	210.	230.	251.	259.	251.	230.	209.	197.
	40.0	191.	194.	203.	221.	241.	249.	241.	219.	201.	190.
	37.5	187.	189.	196.	212.	229.	236.	227.	209.	194.	185.
	35.0	182.	185.	190.	202.	214.	220.	212.	197.	187.	179.
	30.0	168.	170.	172.	174.	178.	178.	174.	170.	167.	163.
	25.0	140.	140.	140.	138.	133.	130.	131.	133.	136.	135.
	20.0	101.	102.	101.	99.	95.	94.	95.	99.	101.	100.
	15.0	69.	70.	73.	73.	72.	72.	72.	73.	73.	69.
	10.0	44.	45.	49.	53.	55.	55.	55.	53.	49.	45.
	5.0	22.	23.	18.	16.	16.	16.	16.	17.	21.	24.
	0.0	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	3
10- 15	7
15- 20	14
20- 25	24
25- 30	39
30- 35	55
35- 40	70
40- 45	84
45- 50	101
50- 55	133
55- 60	200
60- 65	293
65- 70	355
70- 75	348
75- 80	267
80- 85	157
85- 90	86
90- 95	53
95-100	37
100-105	28
105-110	23
110-115	18
115-120	14
120-125	11
125-130	8
130-135	5
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	3
0- 20	24
0- 30	88
0- 40	212
0- 50	397
0- 60	730
0- 70	1378
0- 80	1993
0- 90	2236
0-100	2326
0-110	2377
0-120	2409
0-130	2428
0-140	2436
0-150	2438
0-160	2439
0-170	2439
0-180	2439