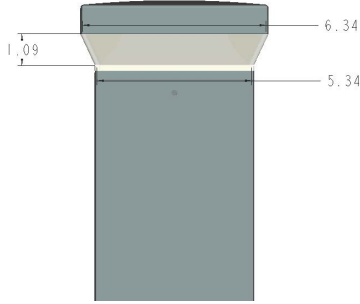


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 3.5 foot mounting height.



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CATALOG NUMBER: BLED24/347, BLED24/480
 (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.

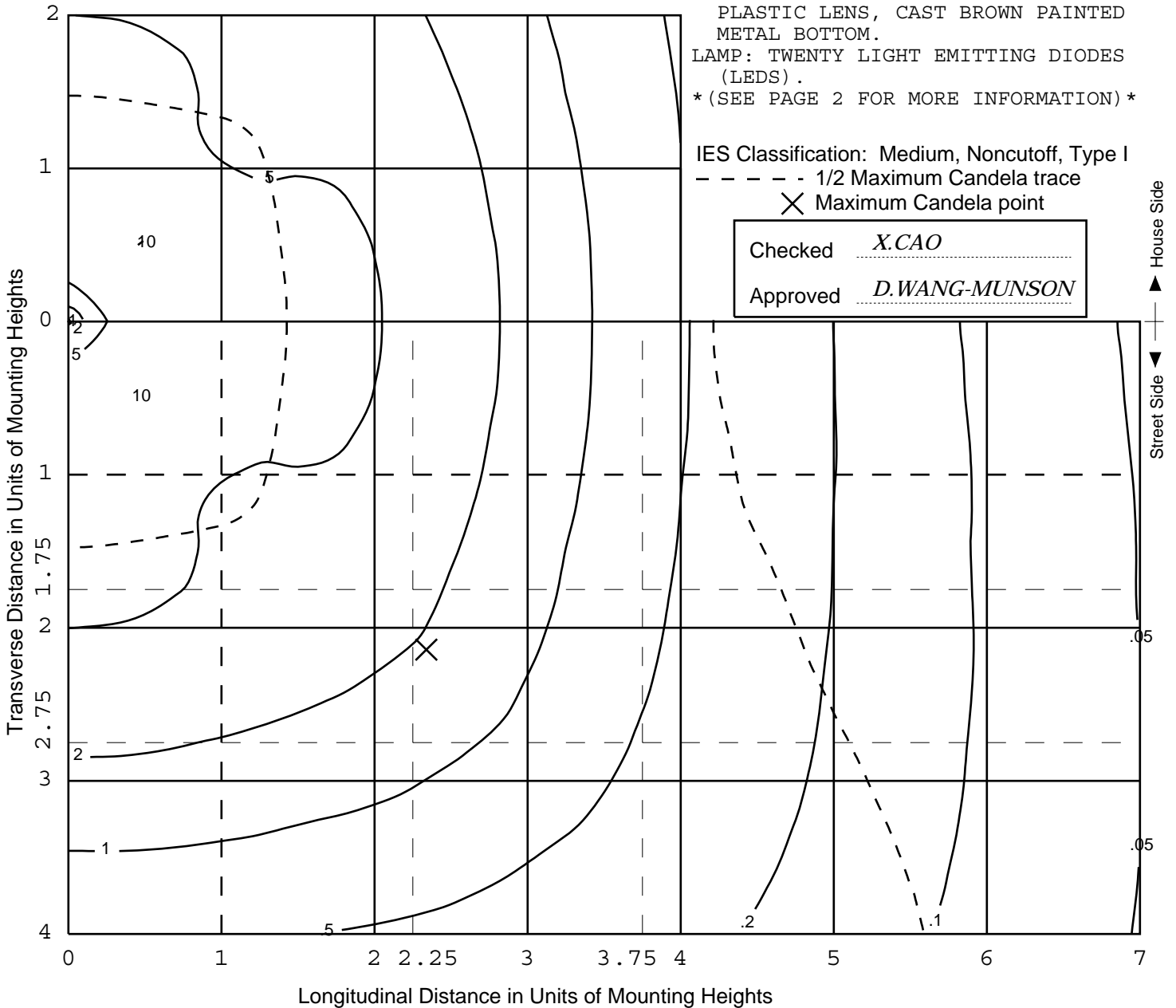
LAMP: TWENTY LIGHT EMITTING DIODES (LEDS).

(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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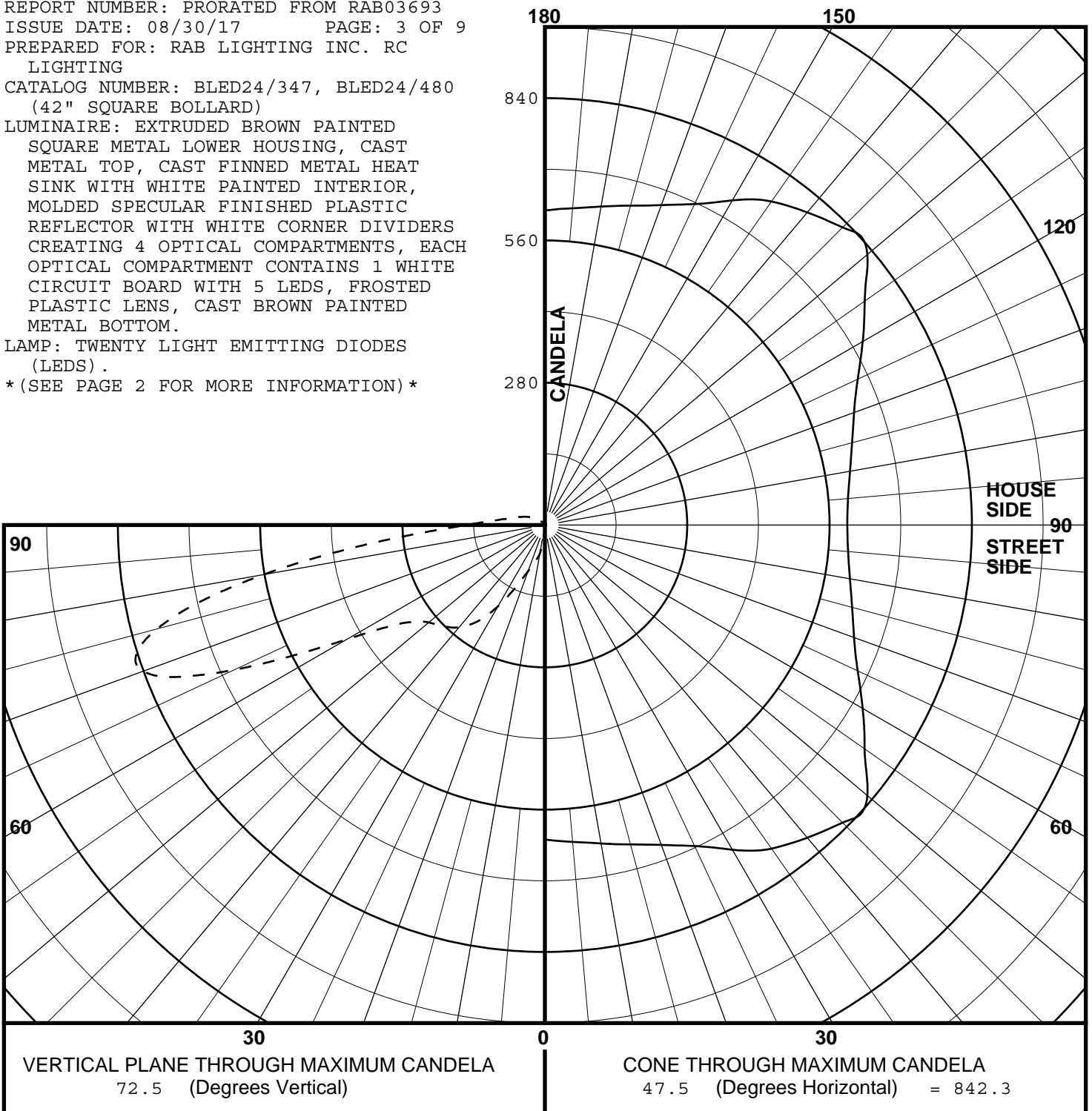
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ADDITIONAL INFORMATION

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

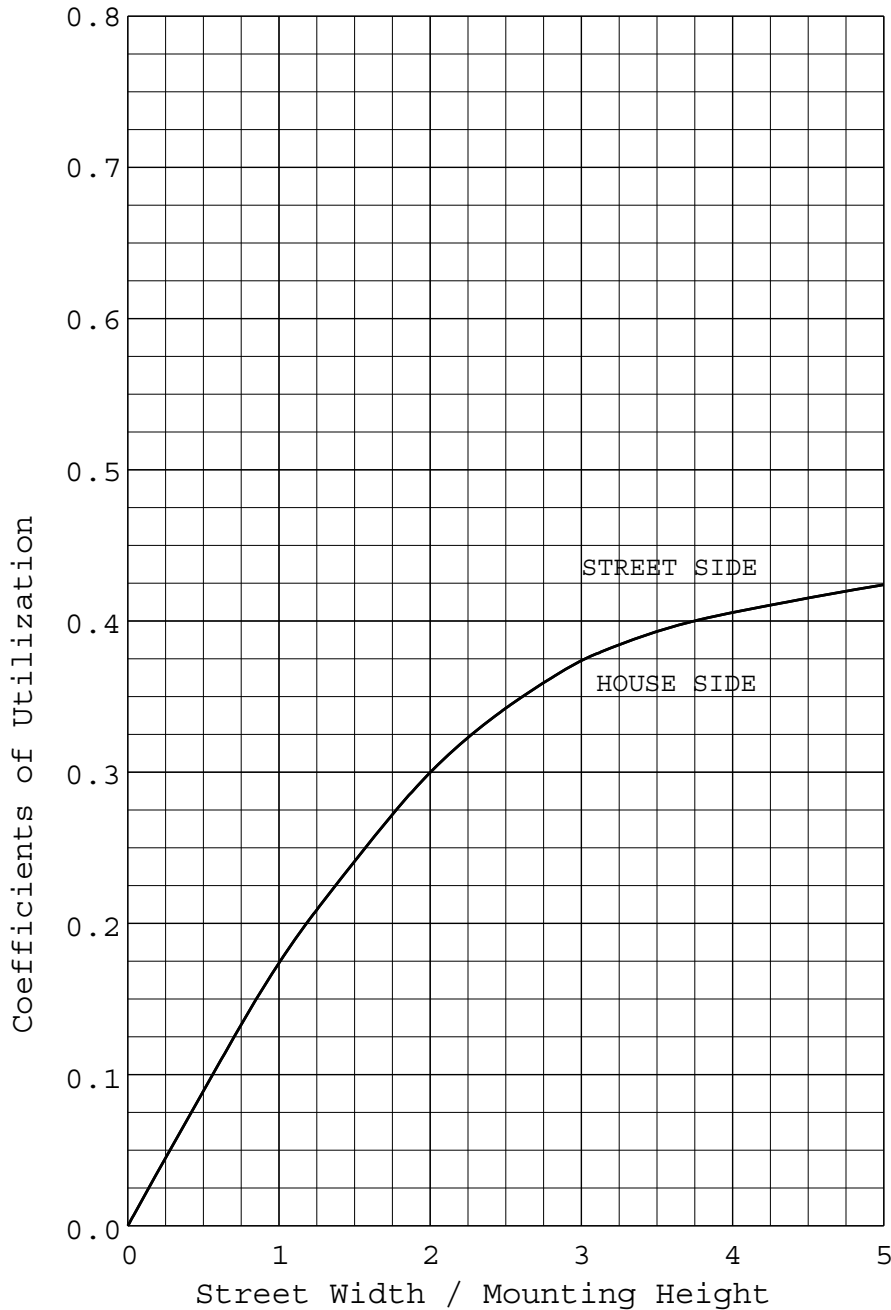
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 PREPARED FOR: RAB LIGHTING INC. RC
 LIGHTING
 CATALOG NUMBER: BLED24/347, BLED24/480
 (42" SQUARE BOLLARD)
 LUMINAIRE: EXTRUDED BROWN PAINTED
 SQUARE METAL LOWER HOUSING, CAST
 METAL TOP, CAST FINNED METAL HEAT
 SINK WITH WHITE PAINTED INTERIOR,
 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	1154.	45.9
DOWNWARD HOUSE SIDE	1154.	45.9
DOWNWARD TOTAL	2308.	91.7
UPWARD STREET SIDE	104.	4.1
UPWARD HOUSE SIDE	104.	4.1
UPWARD TOTAL	209.	8.3
TOTAL FLUX	2517.	100.0
TOTAL INPUT WATTS = 22		
EFFICACY = 114.4 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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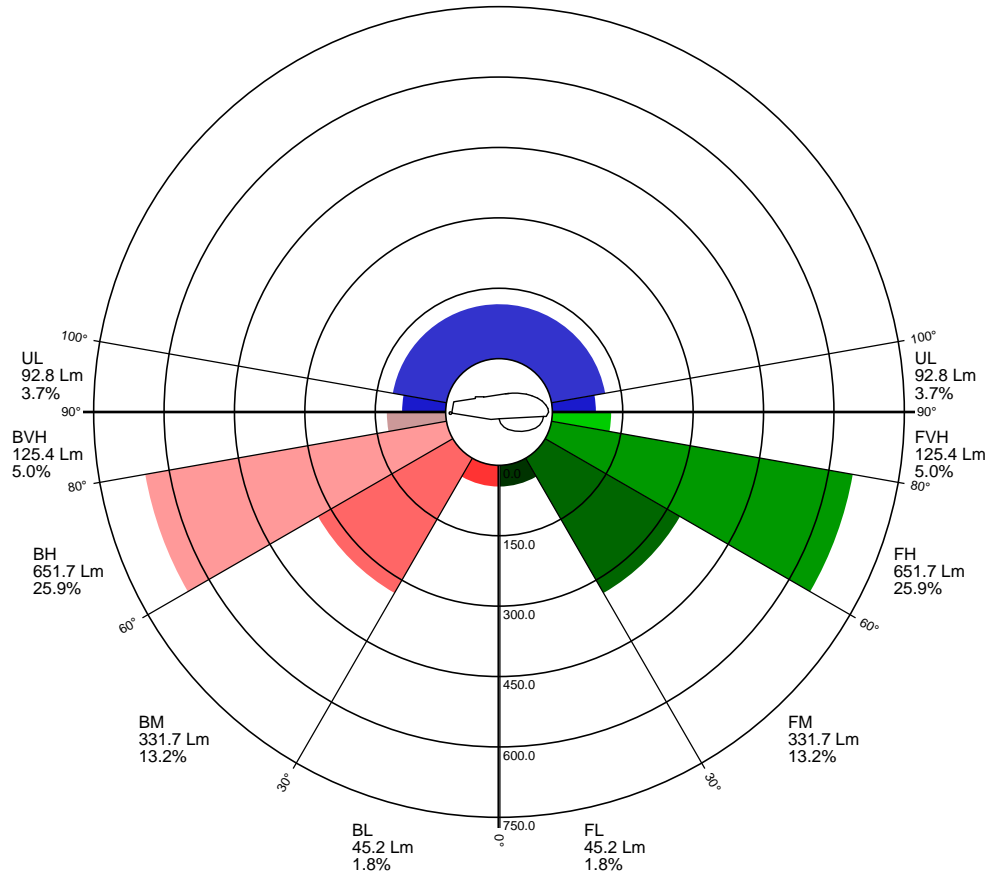
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BUG Rating:				B2 U3 G2		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		1154	45.9			
FL	(0° - 30°)	45.2	1.8			
FM	(30° - 60°)	331.7	13.2			
FH	(60° - 80°)	651.7	25.9			G0
FVH	(80° - 90°)	125.4	5.0			G2
Backward		1154	45.9			
BL	(0° - 30°)	45.2	1.8	B0		
BM	(30° - 60°)	331.7	13.2	B1		
BH	(60° - 80°)	651.7	25.9	B2		G0
BVH	(80° - 90°)	125.4	5.0			G2
Upward		209	8.3			
UL	(90° - 100°)	92.8	3.7		U3	
UH	(100° - 180°)	116.0	4.6		U3	
Trapped Light		0	0.0			
Total Flux		2517	100.0			

Zonal Lumen Summary

(Linear scale)

UH
116.0 Lm
4.6%

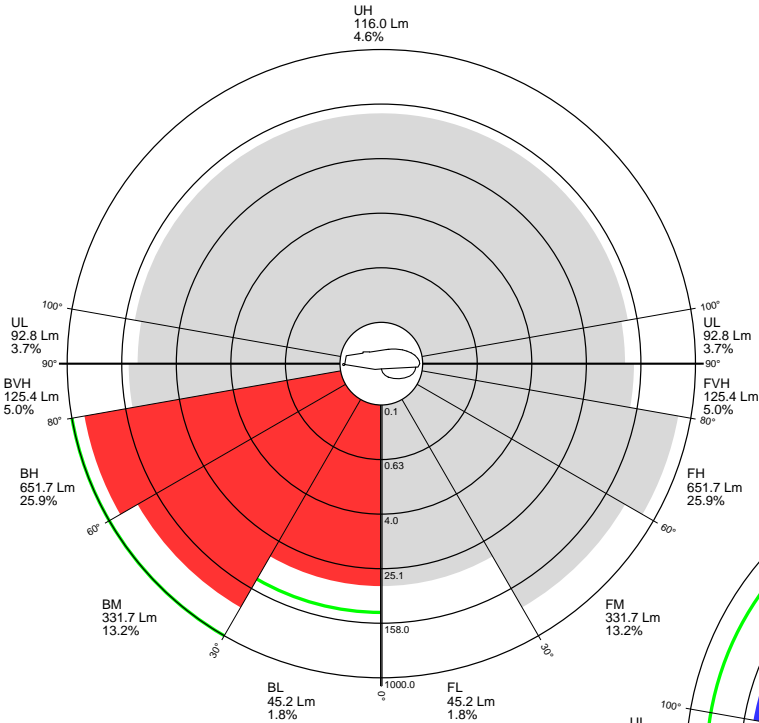


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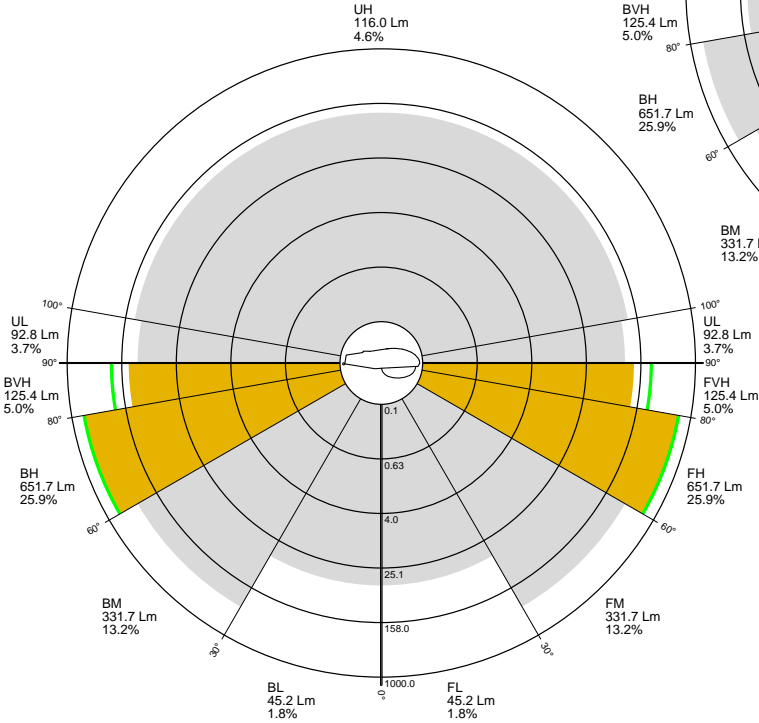
Backlight Rating Details

(Logarithmic scale)



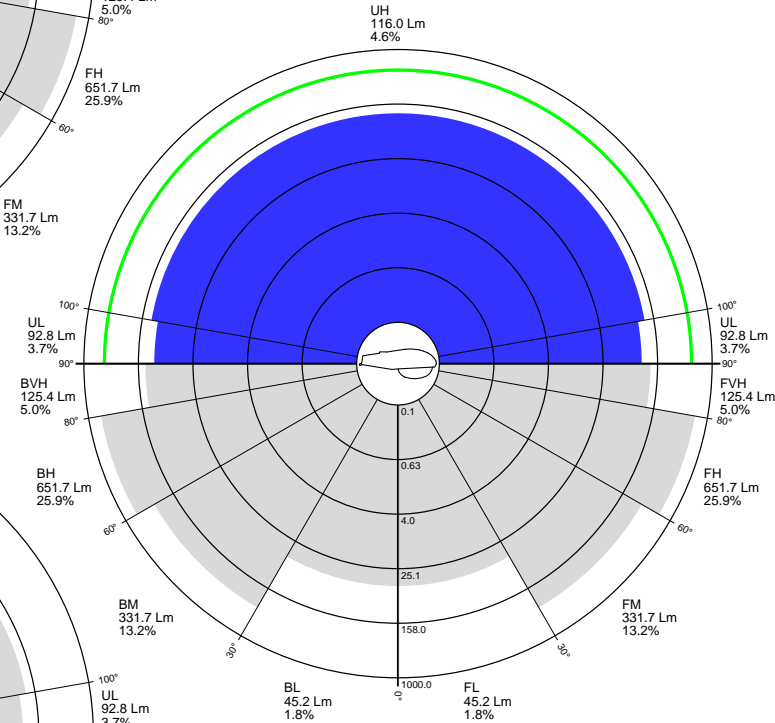
Glare Rating Details

(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	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.	4.	2.	2.	2.	4.	5.	5.
	135.0	12.	12.	12.	11.	9.	9.	9.	11.	12.	12.
	125.0	21.	21.	20.	20.	21.	22.	21.	20.	20.	21.
	115.0	31.	31.	31.	34.	37.	38.	37.	33.	31.	30.
	105.0	40.	40.	45.	52.	56.	57.	56.	51.	44.	40.
	95.0	59.	60.	73.	88.	97.	101.	97.	88.	72.	58.
	90.0	80.	85.	108.	134.	151.	155.	149.	129.	102.	80.
	87.5	102.	109.	136.	170.	200.	208.	201.	167.	128.	102.
	85.0	132.	141.	172.	226.	278.	296.	278.	218.	164.	134.
V	82.5	188.	194.	234.	306.	382.	420.	380.	293.	222.	185.
E	80.0	279.	285.	330.	413.	515.	565.	503.	394.	313.	272.
R	77.5	400.	405.	450.	535.	642.	692.	626.	510.	425.	384.
T	75.0	523.	534.	569.	635.	733.	784.	717.	610.	539.	503.
I	72.5<<	619.	626.	651.	697.	777.	828.	768.	679.	626.	599.
C	70.0	679.	685.	704.	728.	775.	814.	780.	724.	686.	665.
A	67.5	717.	720.	731.	728.	725.	742.	746.	744.	731.	717.
L	65.0	716.	718.	716.	683.	639.	632.	671.	720.	741.	737.
	62.5	670.	668.	655.	609.	539.	515.	570.	651.	698.	710.
A	60.0	586.	583.	567.	517.	450.	421.	471.	554.	612.	633.
N	57.5	484.	481.	466.	428.	380.	358.	377.	451.	504.	525.
G	55.0	384.	384.	377.	356.	331.	325.	335.	367.	397.	413.
L	52.5	306.	306.	309.	308.	304.	304.	312.	305.	311.	322.
E	50.0	254.	257.	266.	278.	289.	291.	287.	278.	269.	264.
	47.5	225.	228.	240.	260.	278.	283.	277.	259.	243.	231.
	45.0	209.	213.	225.	248.	269.	276.	267.	247.	227.	215.
	42.5	200.	203.	215.	238.	259.	267.	259.	238.	216.	206.
	40.0	194.	196.	207.	226.	248.	257.	248.	228.	209.	200.
	37.5	189.	190.	200.	215.	234.	244.	237.	219.	202.	195.
	35.0	183.	185.	193.	203.	219.	227.	221.	208.	196.	190.
	30.0	168.	168.	173.	175.	180.	183.	183.	180.	177.	175.
	25.0	138.	140.	141.	137.	135.	134.	137.	142.	144.	144.
	20.0	103.	103.	104.	102.	98.	97.	98.	102.	104.	105.
	15.0	71.	71.	76.	76.	75.	75.	75.	76.	76.	72.
	10.0	46.	46.	51.	54.	57.	57.	57.	54.	51.	46.
	5.0	25.	25.	21.	18.	17.	17.	17.	17.	19.	24.
	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.	0.
	175.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	1.	1.	1.	0.	0.	0.	0.	0.	1.	1.	1.
	145.0	5.	5.	5.	4.	2.	2.	2.	4.	5.	5.	5.
	135.0	12.	12.	12.	11.	9.	9.	9.	11.	12.	12.	12.
	125.0	21.	21.	20.	20.	21.	22.	21.	20.	20.	21.	21.
	115.0	30.	30.	31.	33.	37.	38.	37.	34.	31.	31.	31.
	105.0	39.	40.	44.	51.	56.	57.	56.	52.	45.	40.	40.
	95.0	58.	58.	72.	88.	97.	101.	97.	88.	73.	60.	59.
	90.0	77.	80.	102.	129.	149.	156.	151.	134.	108.	85.	80.
	87.5	96.	102.	128.	167.	201.	208.	200.	170.	136.	109.	102.
	85.0	125.	134.	164.	218.	278.	296.	278.	226.	172.	141.	132.
V	82.5	175.	185.	222.	293.	380.	422.	382.	306.	234.	194.	188.
E	80.0	261.	272.	313.	394.	503.	565.	515.	413.	330.	285.	279.
R	77.5	380.	384.	425.	510.	626.	692.	642.	535.	450.	405.	400.
T	75.0	500.	503.	539.	610.	717.	784.	733.	635.	569.	534.	523.
I	72.5<<	595.	599.	626.	679.	768.	828.	777.	697.	651.	626.	619.
C	70.0	661.	665.	686.	724.	780.	814.	775.	728.	704.	685.	679.
A	67.5	713.	717.	731.	744.	746.	742.	725.	728.	731.	720.	717.
L	65.0	735.	737.	741.	720.	671.	632.	639.	683.	716.	718.	716.
	62.5	710.	710.	698.	651.	570.	515.	539.	609.	655.	668.	670.
A	60.0	634.	633.	612.	554.	471.	421.	450.	517.	567.	583.	586.
N	57.5	529.	525.	504.	451.	389.	358.	380.	428.	466.	481.	484.
G	55.0	414.	413.	397.	367.	335.	325.	331.	356.	377.	384.	384.
L	52.5	322.	322.	317.	311.	305.	304.	304.	308.	309.	306.	306.
E	50.0	263.	264.	269.	278.	287.	291.	289.	278.	266.	257.	254.
	47.5	230.	231.	243.	259.	277.	283.	278.	260.	240.	228.	225.
	45.0	213.	215.	227.	247.	267.	276.	269.	248.	225.	213.	209.
	42.5	203.	206.	216.	238.	259.	267.	259.	238.	215.	203.	200.
	40.0	198.	200.	209.	228.	248.	257.	248.	226.	207.	196.	194.
	37.5	193.	195.	202.	219.	237.	244.	234.	215.	200.	190.	189.
	35.0	188.	190.	196.	208.	221.	227.	219.	203.	193.	185.	183.
	30.0	174.	175.	177.	180.	183.	183.	180.	175.	173.	168.	168.
	25.0	144.	144.	144.	142.	137.	134.	135.	137.	141.	140.	138.
	20.0	104.	105.	104.	102.	98.	97.	98.	102.	104.	103.	103.
	15.0	71.	72.	76.	76.	75.	75.	75.	76.	76.	71.	71.
	10.0	45.	46.	51.	54.	57.	57.	57.	54.	51.	46.	46.
	5.0	22.	24.	19.	17.	17.	17.	17.	18.	21.	25.	25.
	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	3
10- 15	8
15- 20	14
20- 25	25
25- 30	40
30- 35	57
35- 40	72
40- 45	87
45- 50	104
50- 55	137
55- 60	207
60- 65	302
65- 70	366
70- 75	359
75- 80	276
80- 85	162
85- 90	89
90- 95	54
95-100	38
100-105	29
105-110	23
110-115	19
115-120	15
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	25
0- 30	90
0- 40	219
0- 50	410
0- 60	754
0- 70	1422
0- 80	2057
0- 90	2308
0-100	2401
0-110	2454
0-120	2487
0-130	2506
0-140	2514
0-150	2517
0-160	2517
0-170	2517
0-180	2517