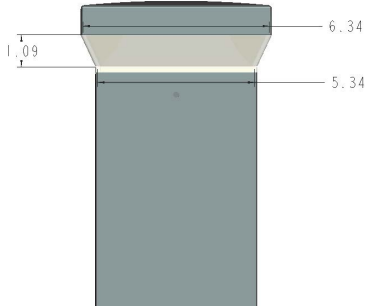


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 3.5 foot mounting height.



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 PREPARED FOR: RAB LIGHTING INC. RC LIGHTING

CATALOG NUMBER: BLED18, BLED18/D10 (42" SQUARE BOLLARD), WBLED18/D10

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, 3 OPTICAL COMPARTMENT CONTAINS 1 WHITE CIRCUIT BOARD WITH 5 LEDS, FROSTED PLASTIC LENS, CAST BROWN PAINTED METAL BOTTOM.

LAMP: FIFTEEN LIGHT EMITTING DIODES (LEDS).

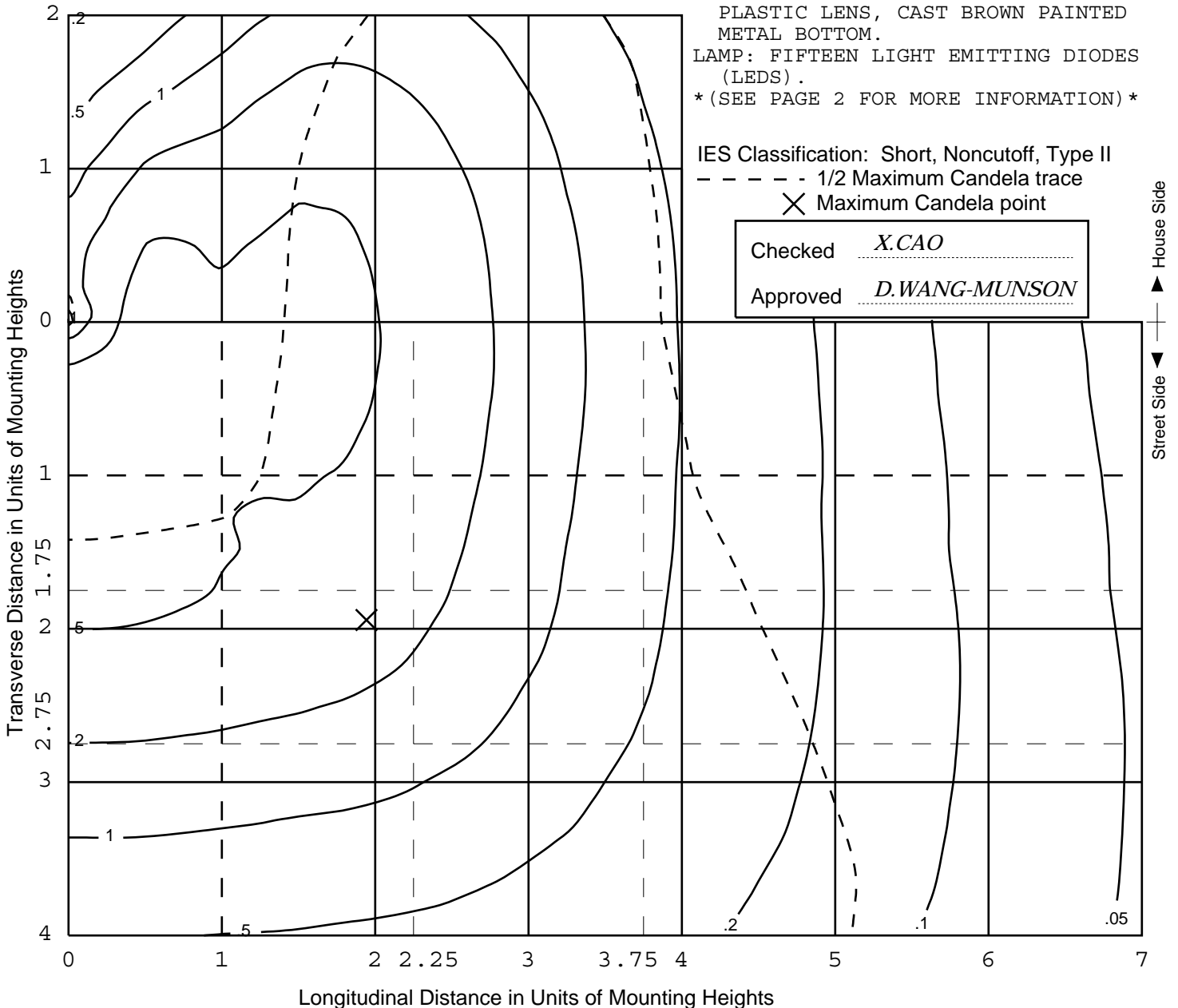
(SEE PAGE 2 FOR MORE INFORMATION)

IES Classification: Short, Noncutoff, Type II

--- 1/2 Maximum Candela trace

× Maximum Candela point

Checked X.CAO
 Approved D.WANG-MUNSON



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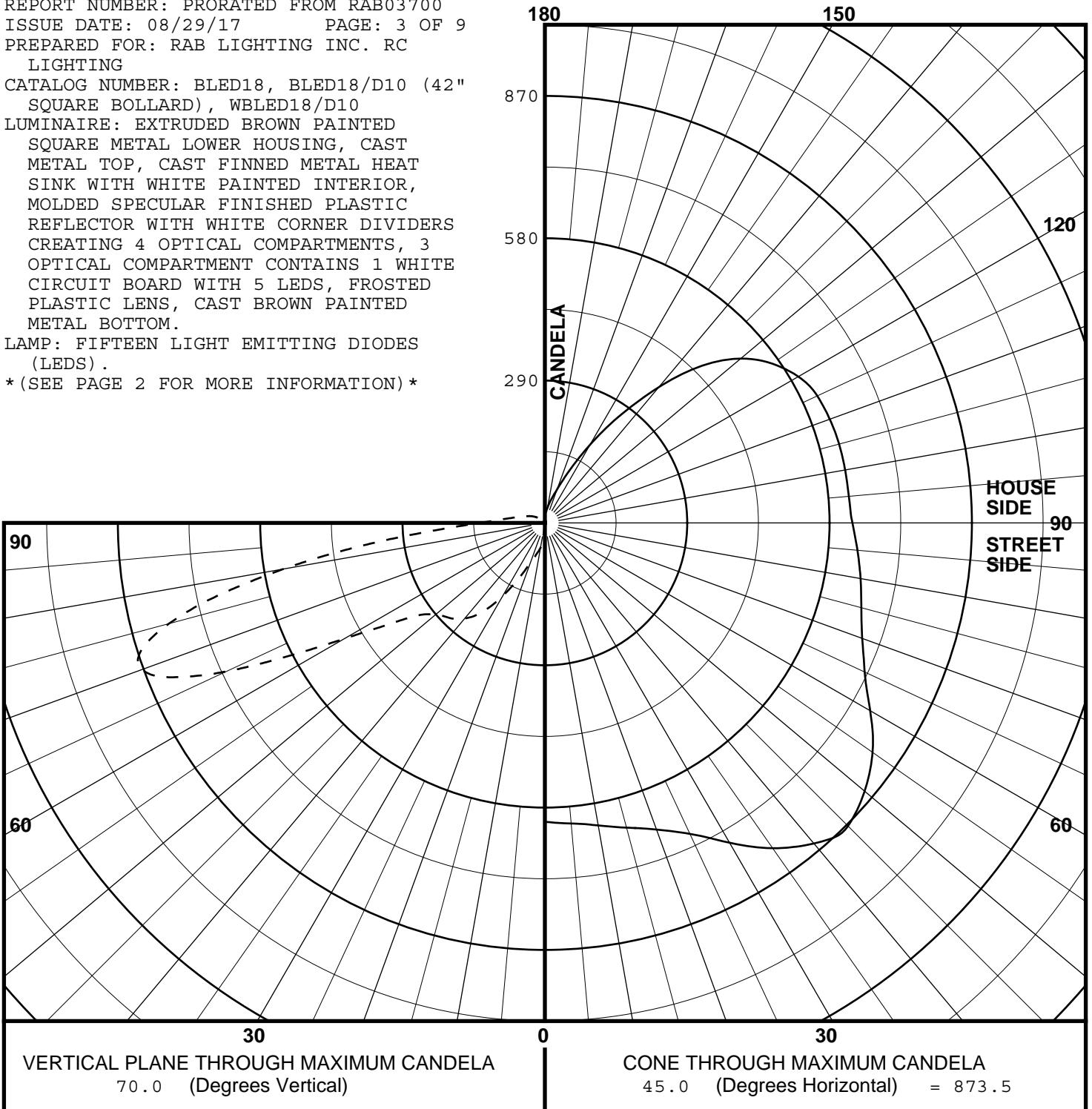
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ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB03700 WHICH WAS BLED18Y,
BLED18Y/D10. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 17.3 W AT 277.0 VAC.
LED DRIVER: RD-LU018-A035C0SP
TEST PROCEDURE: IESNA LM-79-08
LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

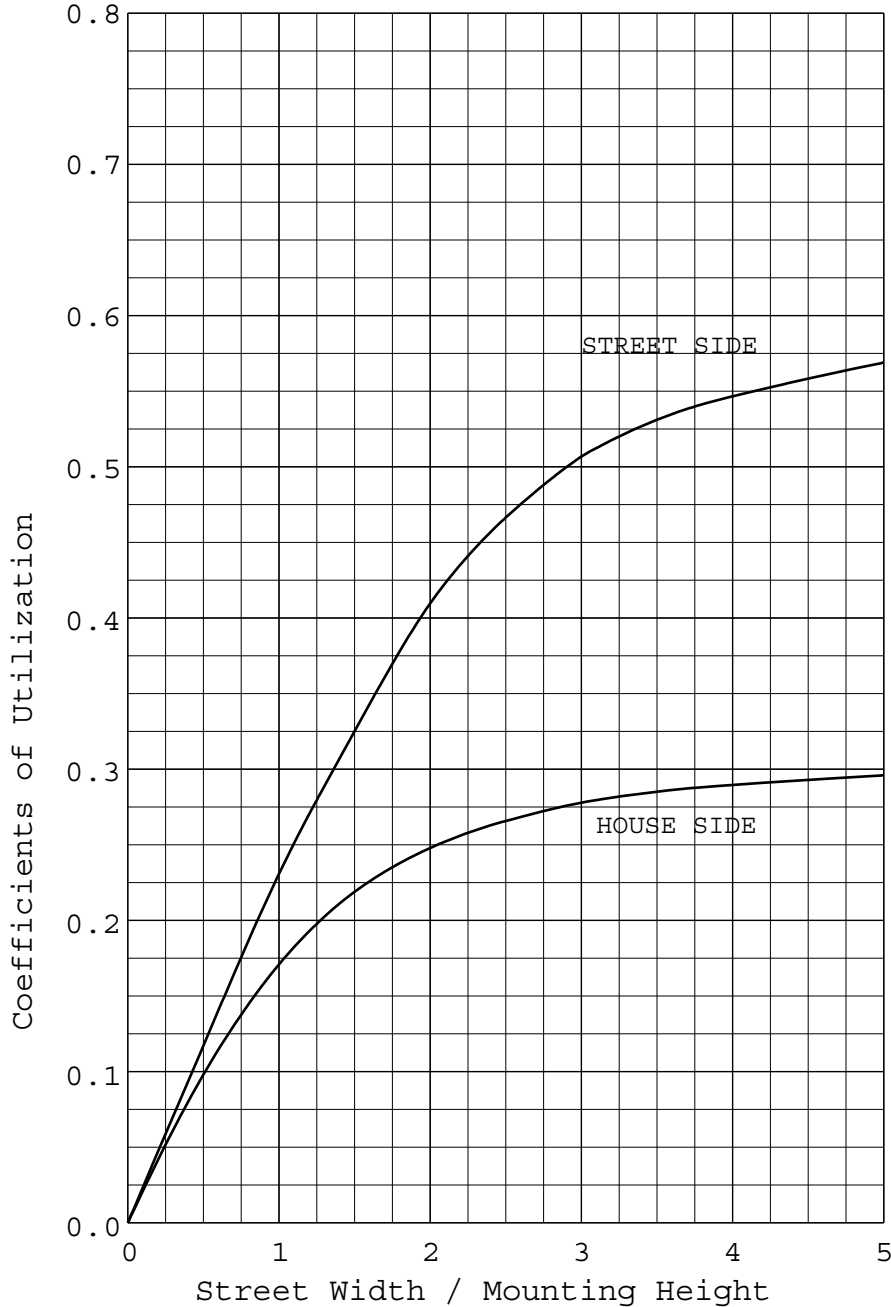
REPORT NUMBER: PRORATED FROM RAB03700
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 PREPARED FOR: RAB LIGHTING INC. RC
 LIGHTING
 CATALOG NUMBER: BLED18, BLED18/D10 (42"
 SQUARE BOLLARD), WBLED18/D10
 LUMINAIRE: EXTRUDED BROWN PAINTED
 SQUARE METAL LOWER HOUSING, CAST
 METAL TOP, CAST FINNED METAL HEAT
 SINK WITH WHITE PAINTED INTERIOR,
 MOLDED SPECULAR FINISHED PLASTIC
 REFLECTOR WITH WHITE CORNER DIVIDERS
 CREATING 4 OPTICAL COMPARTMENTS, 3
 OPTICAL COMPARTMENT CONTAINS 1 WHITE
 CIRCUIT BOARD WITH 5 LEDS, FROSTED
 PLASTIC LENS, CAST BROWN PAINTED
 METAL BOTTOM.
 LAMP: FIFTEEN 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	1152.	61.1
DOWNWARD HOUSE SIDE	589.	31.3
DOWNWARD TOTAL	1741.	92.4
UPWARD STREET SIDE	92.	4.9
UPWARD HOUSE SIDE	52.	2.7
UPWARD TOTAL	144.	7.6
TOTAL FLUX	1884.	100.0
TOTAL INPUT WATTS = 17.3		
EFFICACY = 108.9 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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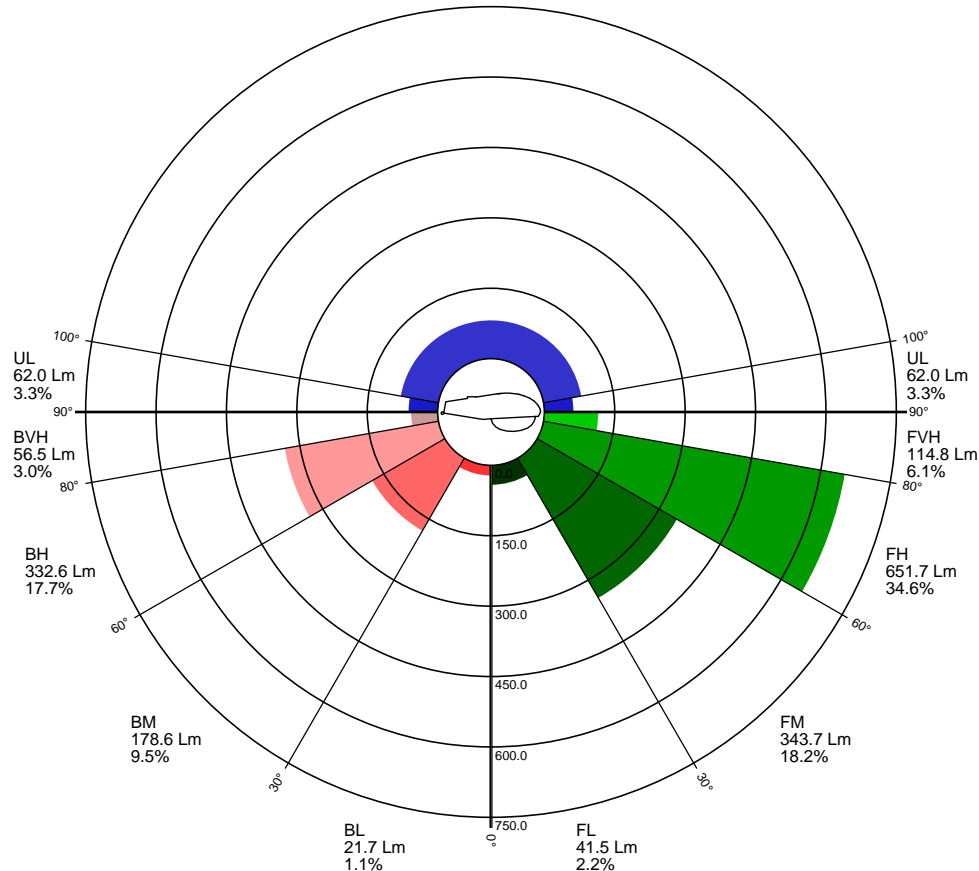
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BUG Rating:				B1 U3 G2		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		1152	61.1			
FL	(0° - 30°)	41.5	2.2			
FM	(30° - 60°)	343.7	18.2			
FH	(60° - 80°)	651.7	34.6			G0
FVH	(80° - 90°)	114.8	6.1			G2
Backward		589	31.3			
BL	(0° - 30°)	21.7	1.1	B0		
BM	(30° - 60°)	178.6	9.5	B0		
BH	(60° - 80°)	332.6	17.7	B1		G1
BVH	(80° - 90°)	56.5	3.0			G1
Upward		144	7.6			
UL	(90° - 100°)	62.0	3.3		U3	
UH	(100° - 180°)	81.5	4.3		U3	
Trapped Light		0	0.0			
Total Flux		1885	100.0			

Zonal Lumen Summary

(Linear scale)

UH
81.5 Lm
4.3%

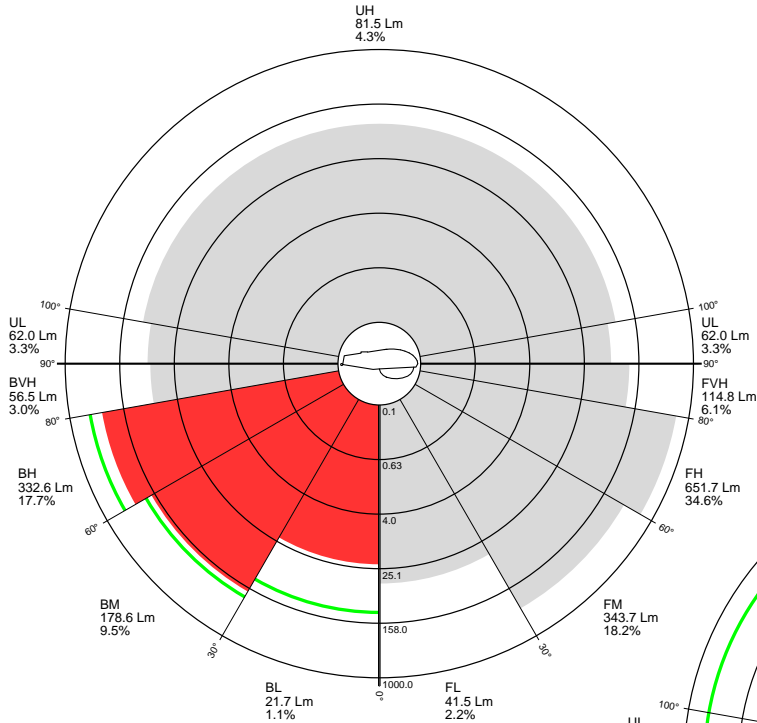


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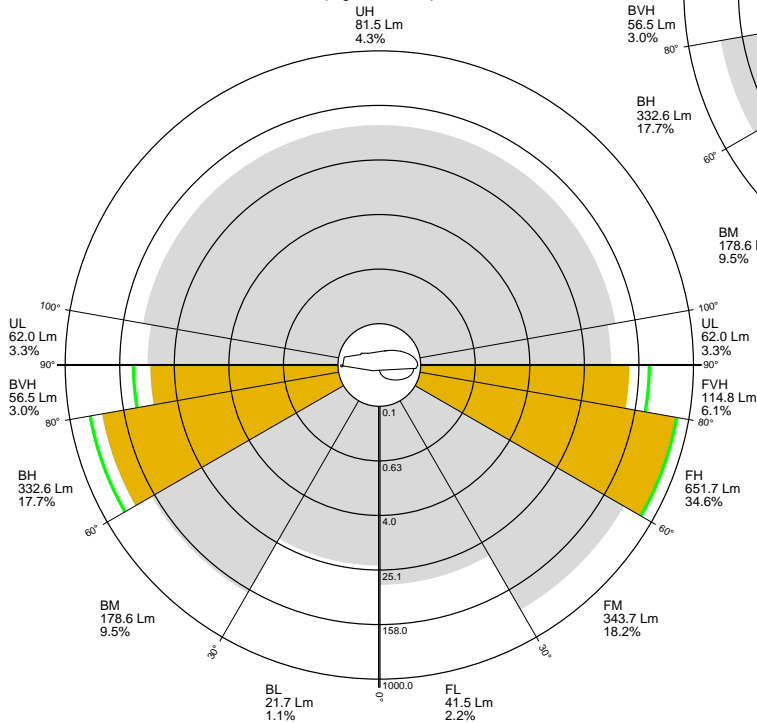
Backlight Rating Details

(Logarithmic scale)



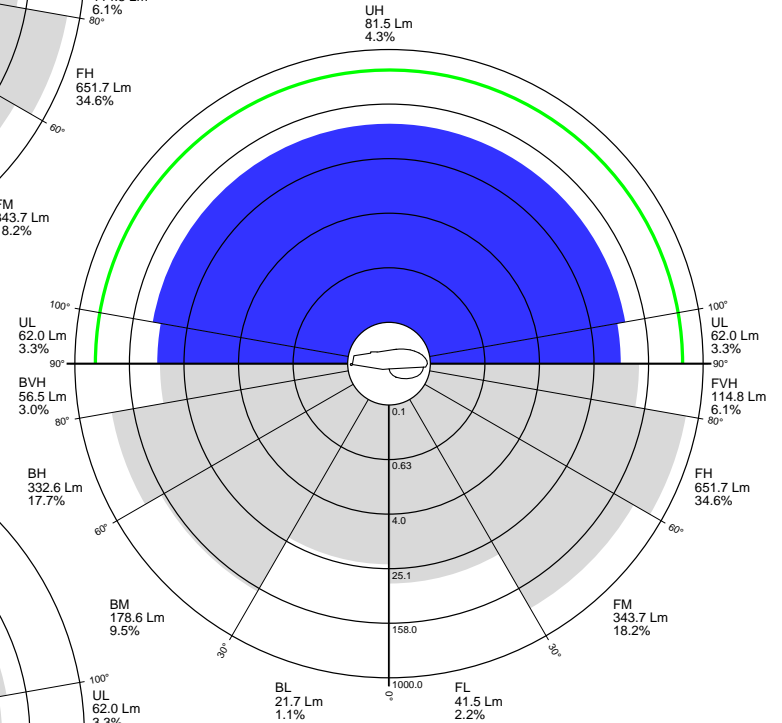
Glare Rating Details

(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	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	1.
	155.0	1.	1.	1.	1.	0.	0.	1.	1.	1.
	145.0	5.	5.	4.	4.	2.	1.	2.	2.	4.
	135.0	11.	11.	11.	9.	8.	8.	8.	8.	9.
	125.0	20.	20.	20.	19.	20.	19.	19.	18.	18.
	115.0	28.	28.	28.	30.	33.	33.	32.	29.	27.
	105.0	37.	39.	41.	46.	49.	50.	48.	43.	37.
	95.0	56.	56.	67.	77.	84.	85.	83.	74.	62.
	90.0	71.	75.	94.	115.	132.	132.	128.	112.	89.
	87.5	88.	94.	118.	153.	181.	183.	174.	146.	112.
	85.0	118.	124.	157.	206.	258.	269.	249.	197.	145.
V	82.5	171.	179.	219.	288.	372.	398.	357.	273.	199.
E	80.0	260.	269.	315.	399.	502.	541.	486.	381.	285.
R	77.5	383.	382.	425.	508.	630.	681.	623.	499.	400.
T	75.0	473.	481.	518.	598.	726.	793.	732.	605.	514.
I	72.5	552.	559.	588.	657.	787.	862.	796.	676.	605.
C	70.0<<	609.	615.	643.	699.	809.	874.	815.	719.	667.
A	67.5	662.	666.	692.	727.	787.	822.	786.	741.	717.
L	65.0	697.	700.	717.	720.	717.	717.	715.	729.	735.
	62.5	688.	691.	692.	669.	612.	585.	619.	674.	708.
A	60.0	636.	636.	624.	584.	503.	472.	520.	594.	642.
N	57.5	548.	546.	528.	484.	415.	392.	432.	501.	548.
G	55.0	443.	441.	426.	393.	348.	336.	365.	415.	445.
L	52.5	341.	340.	334.	323.	308.	306.	318.	343.	356.
E	50.0	268.	272.	273.	282.	288.	290.	293.	294.	289.
	47.5	227.	231.	239.	259.	275.	281.	276.	263.	247.
	45.0	207.	210.	220.	244.	266.	274.	266.	245.	224.
	42.5	197.	198.	208.	232.	255.	266.	256.	233.	211.
	40.0	190.	191.	201.	220.	244.	254.	244.	221.	203.
	37.5	185.	186.	194.	210.	229.	240.	229.	211.	196.
	35.0	180.	180.	187.	198.	212.	220.	212.	199.	187.
	30.0	165.	164.	167.	170.	171.	172.	171.	169.	166.
	25.0	135.	132.	132.	130.	125.	123.	125.	129.	132.
	20.0	96.	93.	94.	91.	89.	88.	90.	93.	95.
	15.0	66.	63.	68.	67.	67.	66.	67.	68.	68.
	10.0	42.	41.	46.	48.	50.	52.	50.	48.	44.
	5.0	20.	19.	16.	13.	13.	12.	13.	14.	16.
	0.0	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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	1.
	155.0	1.	1.	1.	1.	1.	1.	0.	1.	1.	1.	1.
	145.0	4.	4.	4.	2.	2.	1.	1.	1.	1.	1.	1.
	135.0	11.	11.	9.	8.	7.	5.	4.	2.	2.	2.	1.
	125.0	19.	19.	19.	16.	15.	12.	8.	5.	4.	4.	4.
	115.0	27.	27.	27.	26.	23.	20.	15.	9.	6.	4.	4.
	105.0	35.	35.	35.	34.	33.	29.	23.	16.	9.	5.	5.
	95.0	49.	49.	50.	50.	49.	47.	41.	30.	18.	6.	6.
	90.0	66.	66.	69.	71.	71.	69.	62.	48.	27.	8.	5.
	87.5	82.	83.	87.	90.	91.	93.	85.	62.	33.	11.	6.
	85.0	107.	107.	112.	121.	128.	132.	119.	80.	37.	12.	7.
V	82.5	149.	148.	158.	176.	190.	193.	162.	97.	43.	14.	8.
E	80.0	225.	224.	239.	265.	281.	269.	207.	114.	47.	15.	11.
R	77.5	336.	337.	351.	378.	383.	345.	248.	124.	49.	16.	13.
T	75.0	461.	461.	470.	484.	468.	406.	275.	129.	49.	19.	14.
I	72.5	561.	557.	559.	559.	528.	445.	282.	124.	50.	21.	16.
C	70.0<<	626.	622.	621.	612.	566.	453.	267.	116.	49.	22.	19.
A	67.5	681.	673.	669.	645.	573.	427.	238.	107.	50.	25.	21.
L	65.0	713.	704.	691.	642.	537.	375.	203.	101.	52.	26.	23.
	62.5	700.	688.	664.	591.	471.	309.	171.	96.	52.	27.	25.
A	60.0	645.	632.	597.	513.	390.	249.	150.	94.	53.	29.	26.
N	57.5	557.	544.	506.	420.	307.	204.	137.	91.	54.	29.	27.
G	55.0	454.	441.	404.	330.	241.	174.	130.	90.	53.	30.	27.
L	52.5	356.	345.	311.	256.	199.	158.	124.	88.	52.	30.	27.
E	50.0	278.	269.	245.	211.	178.	150.	122.	85.	50.	30.	27.
	47.5	227.	220.	205.	185.	165.	144.	117.	82.	48.	30.	27.
	45.0	201.	193.	185.	173.	158.	139.	112.	77.	46.	29.	27.
	42.5	189.	180.	174.	166.	153.	135.	107.	71.	43.	29.	27.
	40.0	180.	173.	167.	160.	149.	129.	100.	66.	41.	28.	26.
	37.5	174.	167.	163.	155.	142.	122.	91.	60.	39.	27.	26.
	35.0	170.	163.	157.	148.	135.	112.	82.	54.	36.	27.	26.
	30.0	153.	145.	139.	128.	110.	88.	64.	44.	33.	26.	26.
	25.0	122.	115.	108.	95.	81.	63.	48.	36.	29.	25.	25.
	20.0	83.	77.	70.	64.	55.	46.	37.	32.	27.	25.	23.
	15.0	54.	49.	46.	42.	39.	34.	30.	28.	26.	22.	20.
	10.0	34.	33.	32.	29.	28.	26.	23.	20.	15.	12.	11.
	5.0	20.	19.	16.	13.	9.	7.	6.	4.	4.	2.	2.
	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	2
10- 15	5
15- 20	10
20- 25	18
25- 30	29
30- 35	41
35- 40	53
40- 45	64
45- 50	80
50- 55	112
55- 60	173
60- 65	242
65- 70	279
70- 75	265
75- 80	199
80- 85	112
85- 90	59
90- 95	36
95-100	26
100-105	20
105-110	16
110-115	13
115-120	10
120-125	8
125-130	6
130-135	4
135-140	2
140-145	1
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	17
0- 30	63
0- 40	157
0- 50	301
0- 60	585
0- 70	1106
0- 80	1570
0- 90	1741
0-100	1803
0-110	1839
0-120	1863
0-130	1876
0-140	1882
0-150	1884
0-160	1884
0-170	1884
0-180	1884