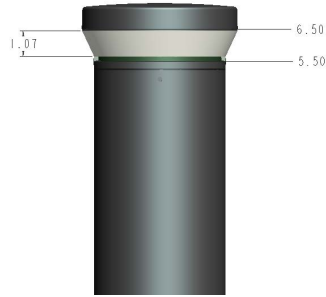


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 3.5 foot mounting height.



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CATALOG NUMBER: BLEDR18N, BLEDR18N/D10, BDLEDR18N, BDLEDR18N/D10 (42" ROUND BOLLARD), WBLEDR18N/D10

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, 3 WHITE CIRCUIT BOARDS EACH WITH 3 LEDS, 3 WHITE CIRCUIT BOARDS EACH WITH 2 LEDS, FROSTED PLASTIC LENS, CAST BROWN PAINTED METAL BOTTOM.

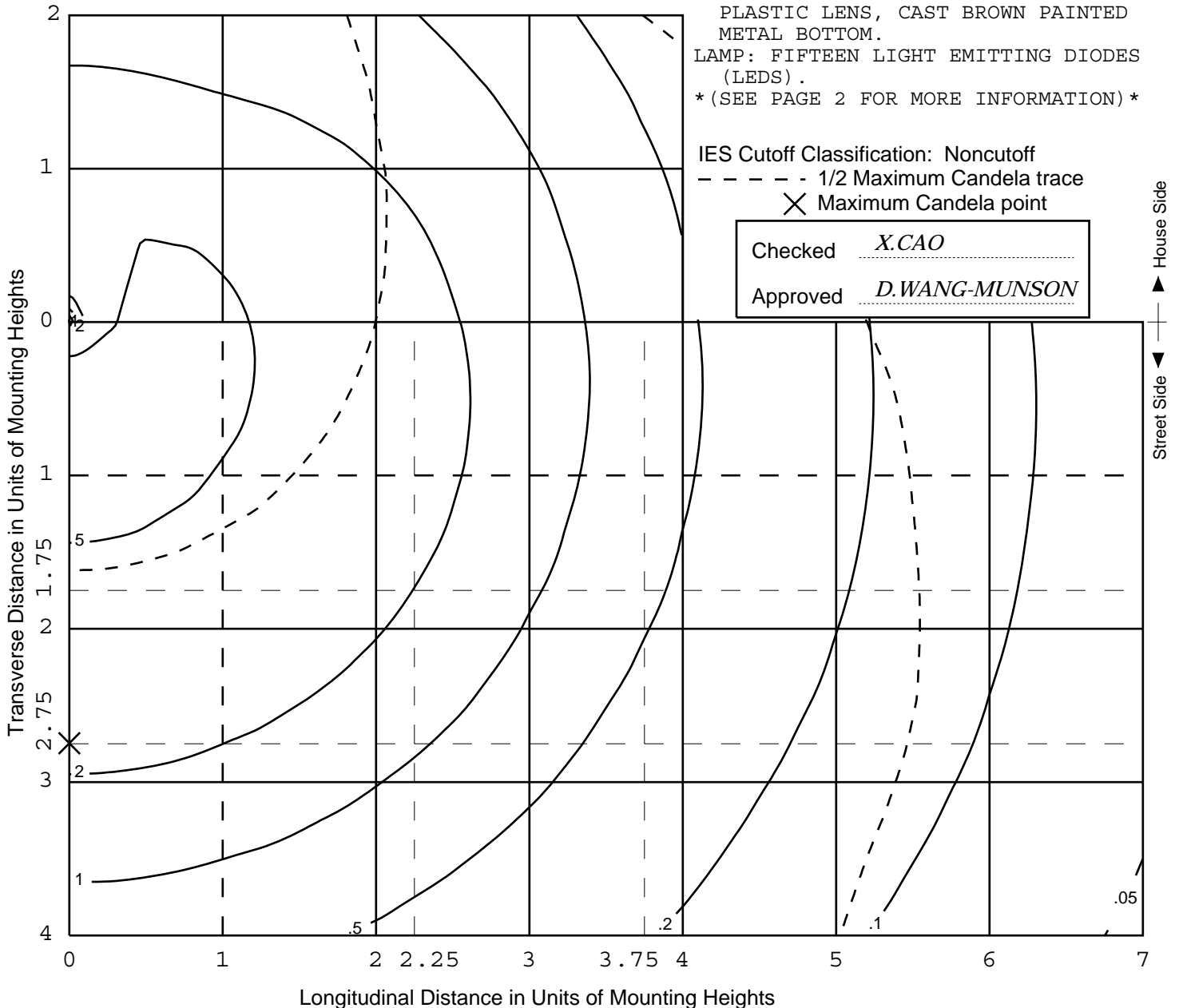
LAMP: FIFTEEN LIGHT EMITTING DIODES (LEDS).

(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 RAB03691 WHICH WAS BLEDR18Y,
BLEDR18Y/D10, BDLEDR18Y, BDLEDR18Y/D10. ACTUAL PERFORMANCE MAY
VARY.

TOTAL INPUT WATTS = 17.4 W AT 277.0 VAC.

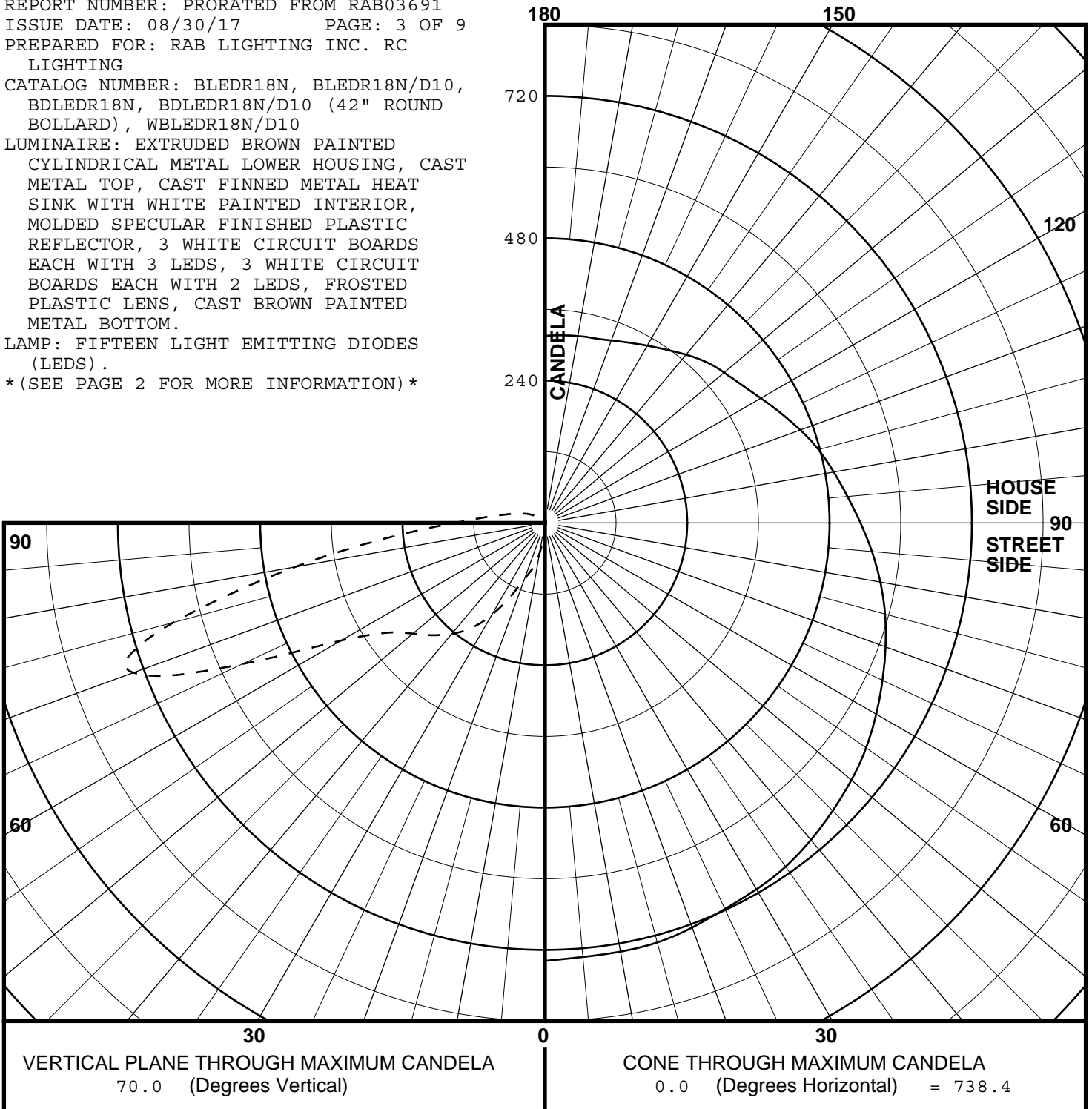
LED DRIVER: RD-LU018-A035C0SP

TEST PROCEDURE: IESNA LM-79-08

LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

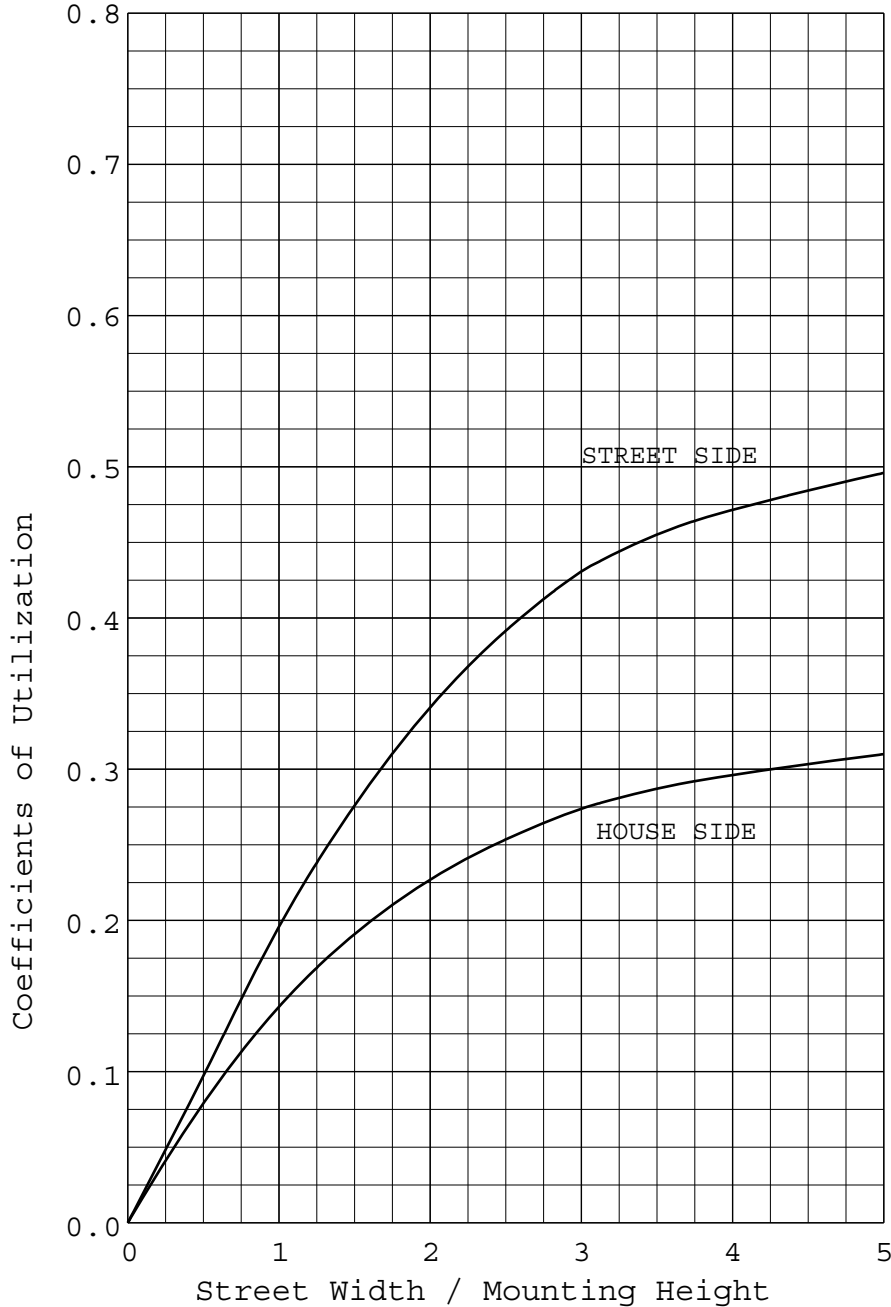
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 PREPARED FOR: RAB LIGHTING INC. RC
 LIGHTING
 CATALOG NUMBER: BLEDR18N, BLEDR18N/D10,
 BDLEDR18N, BDLEDR18N/D10 (42" ROUND
 BOLLARD), WBLEDR18N/D10
 LUMINAIRE: EXTRUDED BROWN PAINTED
 CYLINDRICAL METAL LOWER HOUSING, CAST
 METAL TOP, CAST FINNED METAL HEAT
 SINK WITH WHITE PAINTED INTERIOR,
 MOLDED SPECULAR FINISHED PLASTIC
 REFLECTOR, 3 WHITE CIRCUIT BOARDS
 EACH WITH 3 LEDS, 3 WHITE CIRCUIT
 BOARDS EACH WITH 2 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	1037.	54.9
DOWNWARD HOUSE SIDE	647.	34.3
DOWNWARD TOTAL	1684.	89.2
UPWARD STREET SIDE	119.	6.3
UPWARD HOUSE SIDE	85.	4.5
UPWARD TOTAL	204.	10.8
TOTAL FLUX	1888.	100.0
TOTAL INPUT WATTS = 17.4		
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 G2

Zone Ratings

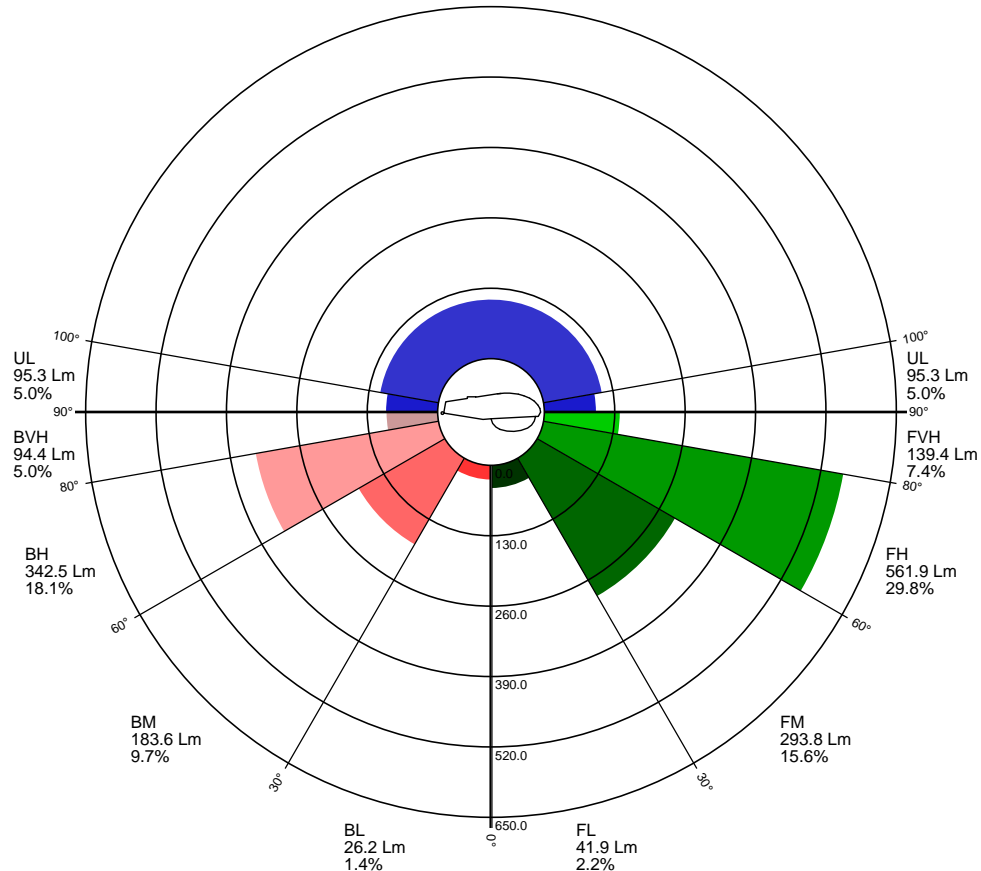
B U G

Forward		1037	54.9			
FL	(0° - 30°)	41.9	2.2			
FM	(30° - 60°)	293.8	15.6			
FH	(60° - 80°)	561.9	29.8			G0
FVH	(80° - 90°)	139.4	7.4			G2
Backward		647	34.3			
BL	(0° - 30°)	26.2	1.4	B0		
BM	(30° - 60°)	183.6	9.7	B0		
BH	(60° - 80°)	342.5	18.1	B1		G1
BVH	(80° - 90°)	94.4	5.0			G1
Upward		204	10.8			
UL	(90° - 100°)	95.3	5.0		U3	
UH	(100° - 180°)	109.0	5.8		U3	
Trapped Light		0	0.0			
Total Flux		1888	100.0			

Zonal Lumen Summary

(Linear scale)

UH
109.0 Lm
5.8%

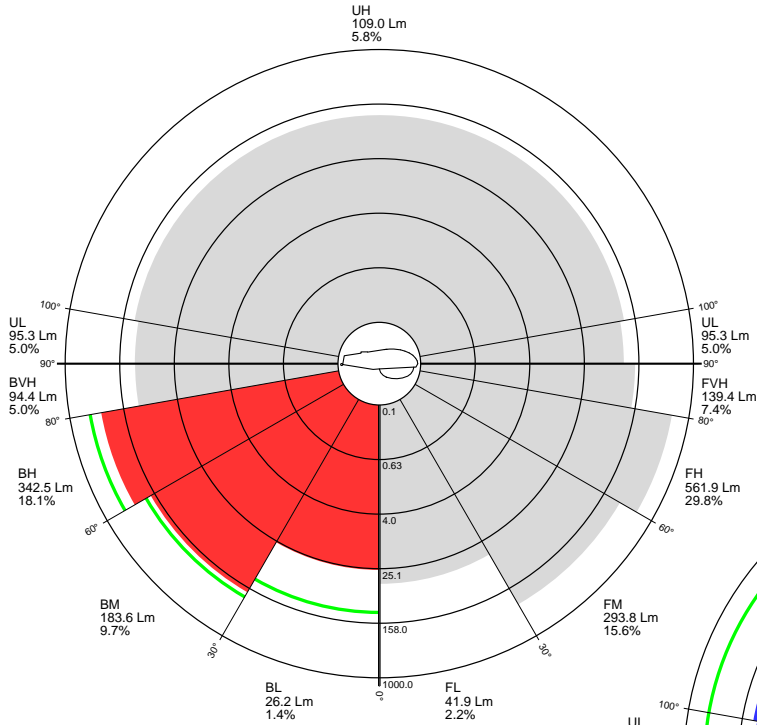


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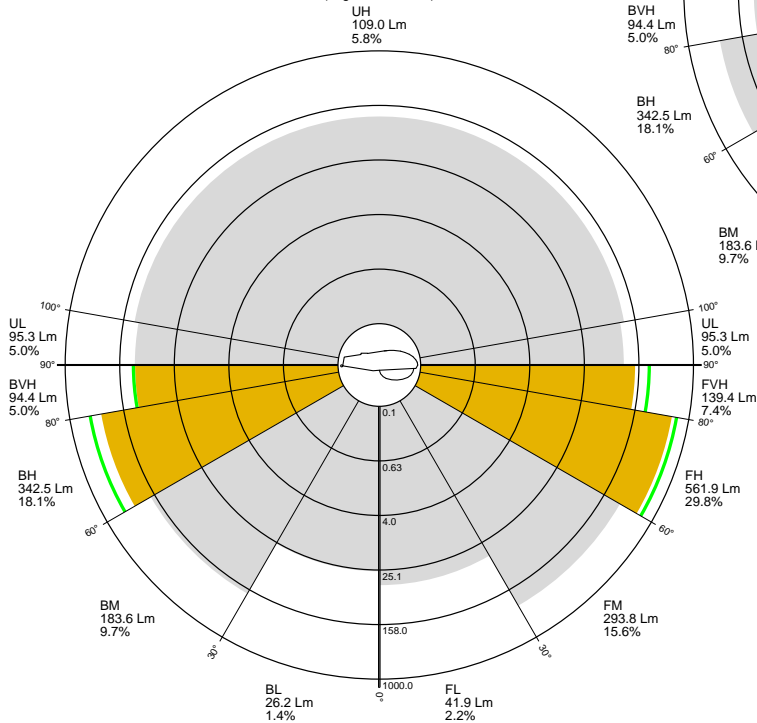
Backlight Rating Details

(Logarithmic scale)



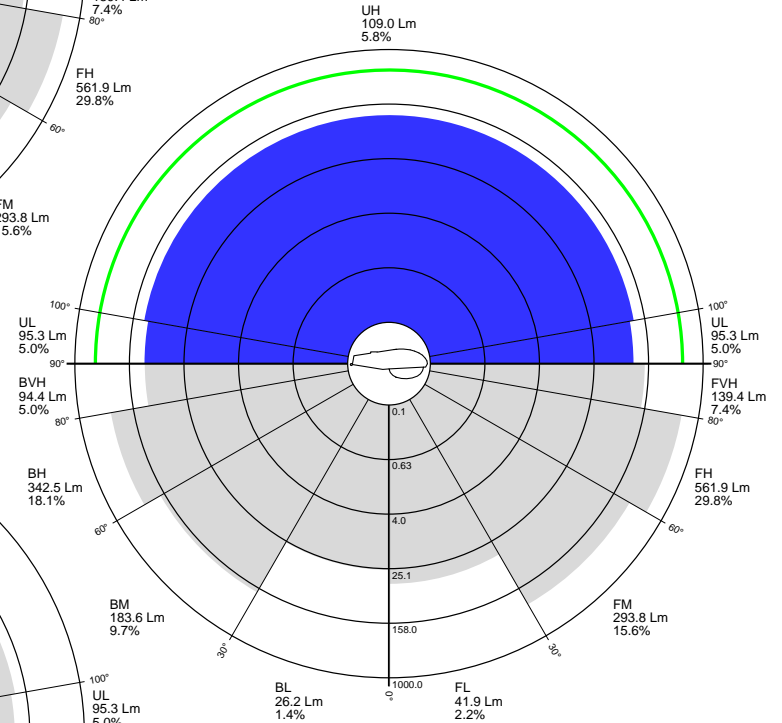
Glare Rating Details

(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	1.	1.	1.	1.	1.	1.	1.	1.	1.
	165.0	1.	1.	1.	1.	1.	1.	1.	1.	1.
	155.0	1.	1.	1.	1.	1.	1.	1.	1.	1.
	145.0	5.	5.	5.	5.	5.	5.	5.	5.	5.
	135.0	11.	12.	11.	12.	12.	12.	11.	11.	11.
	125.0	21.	21.	21.	21.	21.	21.	20.	20.	19.
	115.0	37.	37.	37.	37.	36.	36.	34.	33.	32.
	105.0	59.	58.	58.	58.	57.	56.	55.	53.	50.
	95.0	104.	103.	102.	102.	101.	100.	97.	95.	89.
	90.0	153.	155.	152.	154.	151.	149.	145.	141.	132.
	87.5	196.	198.	194.	197.	192.	192.	184.	180.	166.
	85.0	255.	260.	255.	258.	252.	251.	239.	235.	224.
V	82.5	333.	338.	334.	338.	331.	329.	314.	306.	292.
E	80.0	428.	433.	429.	434.	428.	425.	404.	392.	372.
R	77.5	533.	539.	536.	540.	533.	529.	507.	488.	462.
T	75.0	648.	653.	649.	649.	640.	631.	602.	580.	548.
I	72.5	731.	732.	728.	721.	708.	693.	665.	635.	600.
C	70.0<<	738.	735.	732.	718.	708.	686.	661.	628.	594.
A	67.5	670.	663.	665.	647.	640.	619.	596.	564.	537.
L	65.0	563.	555.	558.	543.	540.	519.	505.	476.	453.
	62.5	468.	463.	465.	454.	450.	431.	418.	398.	378.
A	60.0	397.	393.	393.	389.	383.	367.	357.	341.	325.
N	57.5	352.	350.	350.	346.	340.	326.	316.	305.	292.
G	55.0	322.	321.	321.	319.	312.	300.	292.	281.	270.
L	52.5	303.	303.	303.	299.	293.	283.	275.	265.	255.
E	50.0	290.	289.	289.	284.	279.	270.	263.	254.	244.
	47.5	279.	277.	276.	271.	265.	260.	252.	243.	235.
	45.0	268.	268.	264.	260.	255.	249.	243.	233.	225.
	42.5	256.	255.	252.	248.	243.	238.	232.	224.	216.
	40.0	244.	244.	241.	236.	231.	226.	222.	213.	205.
	37.5	231.	231.	228.	224.	218.	215.	210.	203.	194.
	35.0	216.	216.	213.	210.	205.	201.	196.	190.	183.
	30.0	179.	180.	179.	175.	173.	169.	164.	158.	151.
	25.0	136.	136.	136.	135.	133.	130.	126.	121.	115.
	20.0	101.	101.	100.	100.	98.	96.	94.	90.	85.
	15.0	79.	79.	79.	78.	77.	76.	73.	71.	68.
	10.0	52.	53.	52.	52.	52.	51.	50.	49.	47.
	5.0	4.	4.	5.	5.	5.	5.	6.	6.	6.
	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

CANDELA TABULATION		LATERAL ANGLE										
HOUSE SIDE		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.	1.	1.	1.	2.	2.	1.	1.
	165.0	1.	1.	1.	1.	1.	1.	1.	2.	2.	2.	1.
	155.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	145.0	5.	4.	4.	4.	4.	4.	4.	2.	2.	2.	2.
	135.0	11.	11.	9.	8.	8.	7.	7.	7.	6.	6.	6.
	125.0	19.	19.	18.	17.	15.	14.	13.	13.	12.	12.	12.
	115.0	32.	31.	30.	27.	26.	25.	23.	21.	21.	20.	21.
	105.0	50.	49.	46.	44.	40.	39.	37.	36.	34.	33.	33.
	95.0	87.	84.	81.	76.	72.	69.	65.	63.	60.	58.	59.
	90.0	128.	126.	119.	113.	107.	102.	96.	92.	88.	85.	85.
	87.5	162.	159.	151.	142.	134.	129.	122.	116.	110.	107.	107.
	85.0	210.	205.	194.	183.	172.	166.	155.	146.	140.	134.	135.
V	82.5	270.	263.	249.	233.	220.	212.	198.	186.	177.	169.	171.
E	80.0	341.	333.	313.	293.	276.	265.	247.	232.	219.	211.	212.
R	77.5	421.	408.	384.	359.	337.	322.	300.	282.	268.	258.	260.
T	75.0	497.	479.	447.	416.	390.	369.	346.	325.	312.	303.	303.
I	72.5	540.	520.	485.	448.	415.	393.	369.	346.	334.	327.	327.
C	70.0<<	532.	512.	478.	439.	405.	384.	357.	335.	322.	318.	315.
A	67.5	479.	461.	431.	397.	370.	344.	319.	299.	284.	281.	279.
L	65.0	410.	396.	371.	343.	318.	294.	273.	255.	242.	239.	236.
	62.5	346.	335.	314.	290.	270.	250.	232.	218.	209.	206.	204.
A	60.0	300.	290.	273.	252.	233.	217.	203.	193.	186.	185.	185.
N	57.5	269.	261.	244.	225.	210.	194.	183.	177.	172.	171.	171.
G	55.0	249.	241.	225.	207.	192.	180.	168.	164.	161.	160.	160.
L	52.5	235.	228.	212.	194.	180.	168.	158.	154.	153.	151.	151.
E	50.0	224.	217.	201.	185.	171.	159.	149.	146.	145.	143.	142.
	47.5	215.	207.	193.	177.	162.	151.	142.	137.	136.	135.	135.
	45.0	206.	199.	185.	169.	155.	143.	135.	132.	129.	128.	128.
	42.5	198.	191.	177.	162.	148.	136.	128.	123.	121.	120.	120.
	40.0	190.	183.	168.	154.	141.	129.	121.	116.	113.	111.	111.
	37.5	179.	173.	160.	146.	134.	122.	114.	108.	104.	102.	102.
	35.0	168.	162.	149.	137.	126.	115.	105.	100.	96.	92.	92.
	30.0	139.	134.	124.	115.	105.	97.	89.	82.	77.	73.	73.
	25.0	105.	102.	95.	89.	83.	76.	70.	65.	60.	59.	58.
	20.0	79.	77.	72.	68.	64.	59.	56.	52.	50.	49.	49.
	15.0	63.	60.	58.	55.	51.	49.	46.	44.	43.	41.	41.
	10.0	44.	43.	39.	37.	33.	31.	28.	26.	25.	24.	25.
	5.0	7.	7.	7.	6.	6.	5.	5.	4.	4.	4.	2.
	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	2
10- 15	6
15- 20	11
20- 25	19
25- 30	30
30- 35	43
35- 40	57
40- 45	70
45- 50	84
50- 55	100
55- 60	123
60- 65	168
65- 70	240
70- 75	274
75- 80	222
80- 85	145
85- 90	88
90- 95	56
95-100	39
100-105	29
105-110	22
110-115	17
115-120	13
120-125	10
125-130	7
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	2
0- 20	20
0- 30	68
0- 40	168
0- 50	323
0- 60	546
0- 70	954
0- 80	1450
0- 90	1684
0-100	1779
0-110	1831
0-120	1861
0-130	1877
0-140	1884
0-150	1887
0-160	1888
0-170	1888
0-180	1888