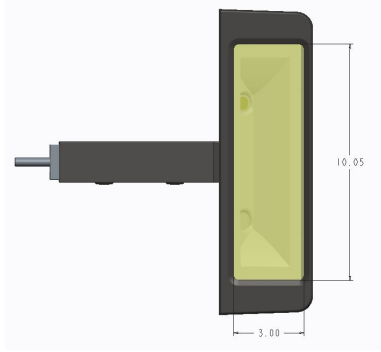


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



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 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED80N/480,
 WPLED80N/480 (15 - DEGREE UPTILT -
 STANDARD CUTOFF)

LUMINAIRE: CAST FINNED METAL HOUSING,
 2-PIECE EXTRUDED METAL HEAT SINK, 2
 CIRCUIT BOARDS EACH WITH 1 LED,
 MOLDED PLASTIC REFLECTOR WITH
 SPECULAR FINISH AND 1 OPTICAL
 COMPARTMENT WITH 1 APERTURE PER LED,
 CLEAR FLAT GLASS LENS IN CAST BROWN
 PAINTED METAL FRAME.

LAMPS: TWO WHITE MULTI-CHIP LIGHT
 EMITTING DIODES (LEDs), TILTED
 55-DEGREES FROM VERTICAL BASE-UP
 POSITION.

(SEE PAGE 2 FOR MORE INFORMATION)

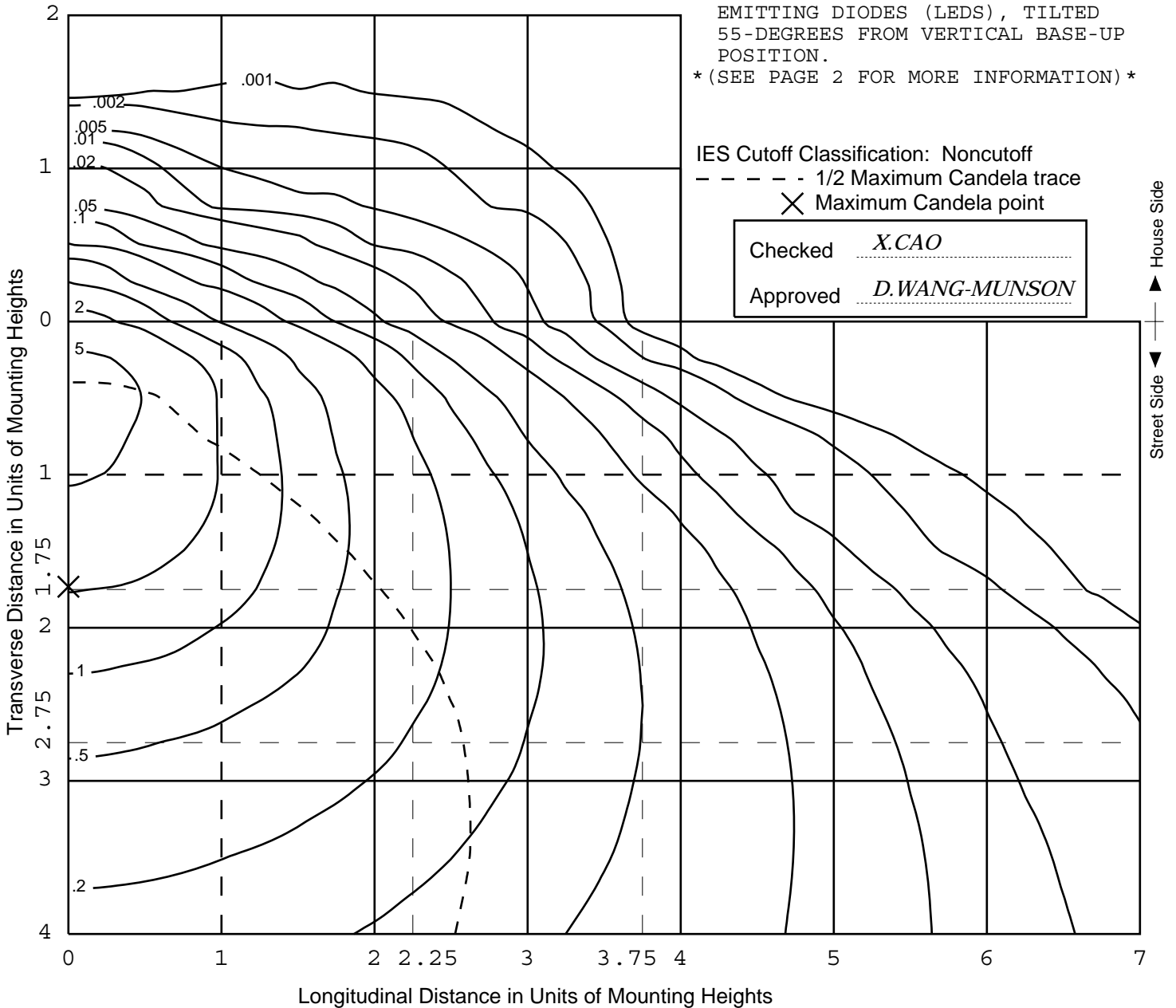
IES Cutoff Classification: Noncutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



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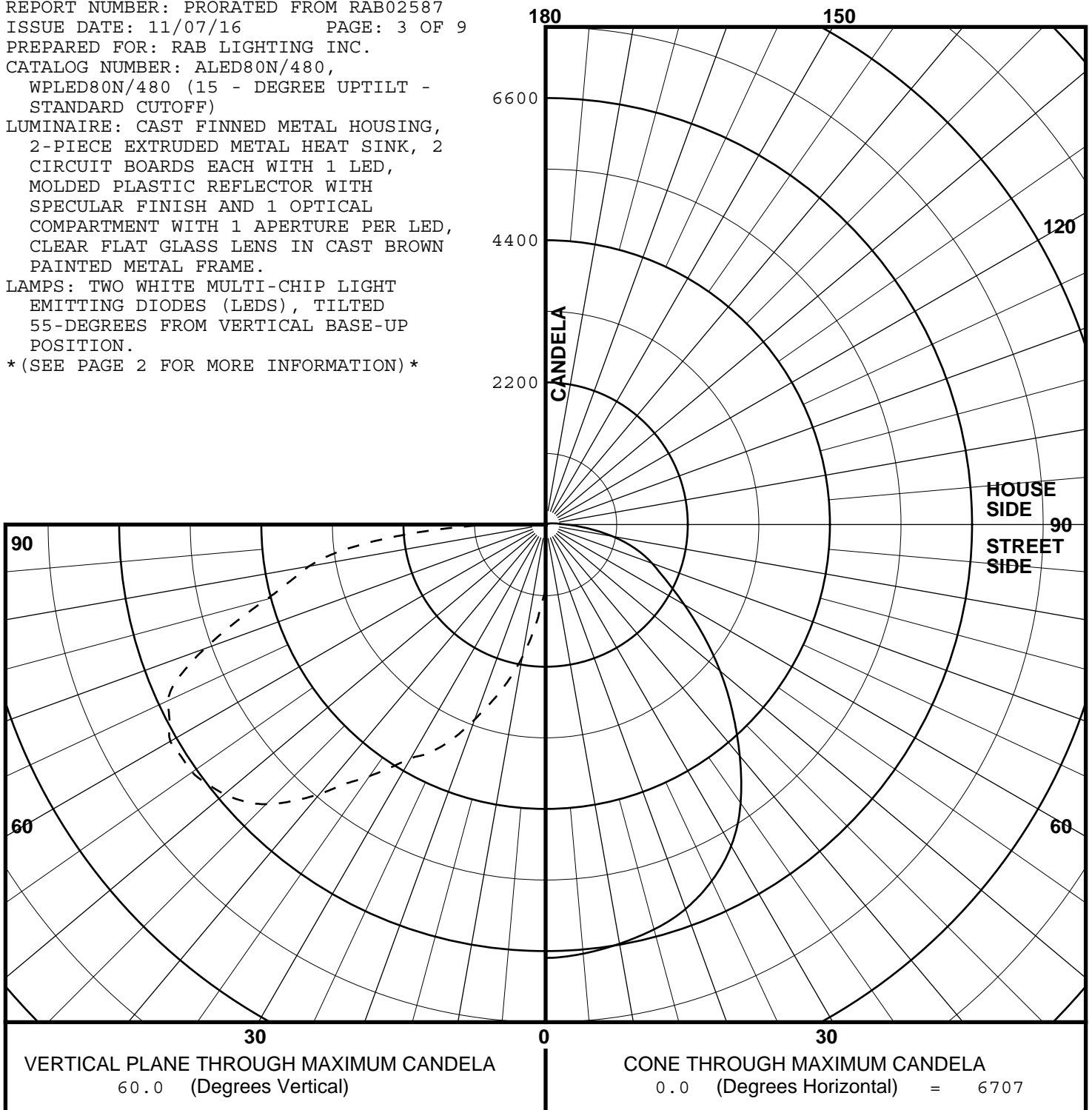
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ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02587 WHICH WAS ALED80Y,
WPLED80Y. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 81.8 W AT 480.0 VAC.
LED DRIVER: RD-H100-A2000-480
TEST PROCEDURE: IESNA LM-79-08

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

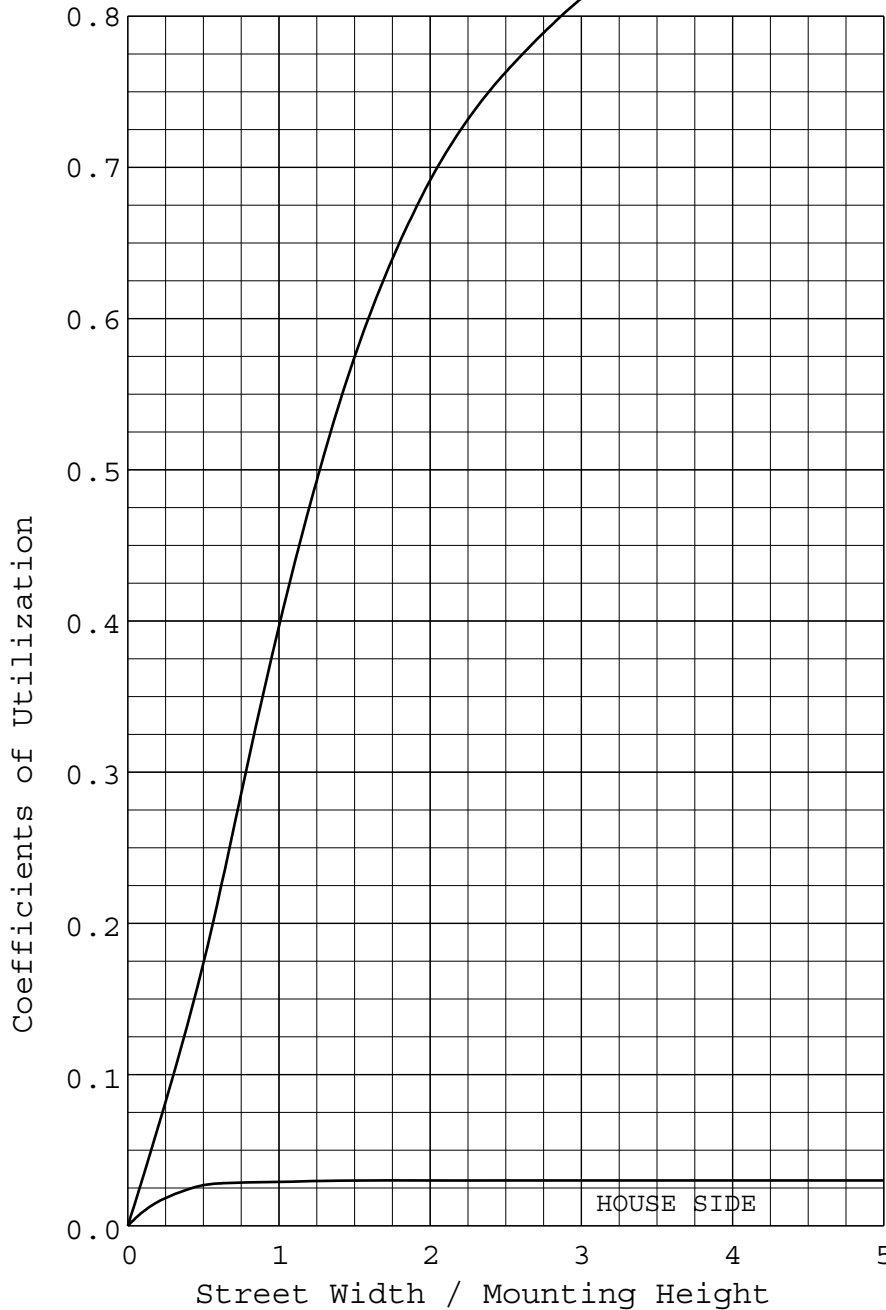
REPORT NUMBER: PRORATED FROM RAB02587
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 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED80N/480,
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	9184.	95.9
DOWNWARD HOUSE SIDE	295.	3.1
DOWNWARD TOTAL	9479.	99.0
UPWARD STREET SIDE	63.	0.7
UPWARD HOUSE SIDE	38.	0.4
UPWARD TOTAL	100.	1.0
TOTAL FLUX	9579.	100.0

TOTAL INPUT WATTS = 81.8
 EFFICACY = 117.1 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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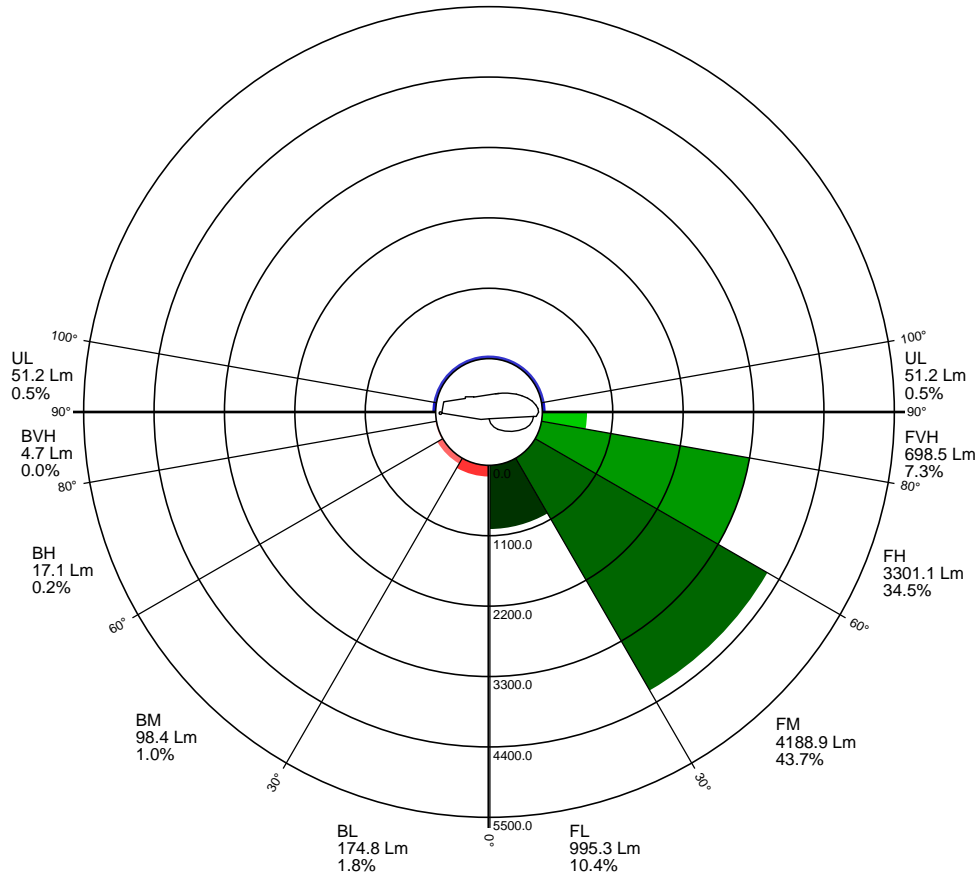
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BUG Rating:				<div>B1</div> <div>U3</div> <div>G4</div>		
Zonal Summary				Zone Ratings		
		Lumens	% of Fixture	B	U	G
Forward		9184	95.9			
FL	(0° - 30°)	995.3	10.4			
FM	(30° - 60°)	4188.9	43.7			
FH	(60° - 80°)	3301.1	34.5			G2
FVH	(80° - 90°)	698.5	7.3			G4
Backward		295	3.1			
BL	(0° - 30°)	174.8	1.8	B1		
BM	(30° - 60°)	98.4	1.0	B0		
BH	(60° - 80°)	17.1	0.2	B0		G0
BVH	(80° - 90°)	4.7	0.0			G0
Upward		100	1.0			
UL	(90° - 100°)	51.2	0.5		U3	
UH	(100° - 180°)	49.2	0.5		U2	
Trapped Light		0	0.0			
Total Flux		9579	100.0			

Zonal Lumen Summary

(Linear scale)

UH
49.2 Lm
0.5%

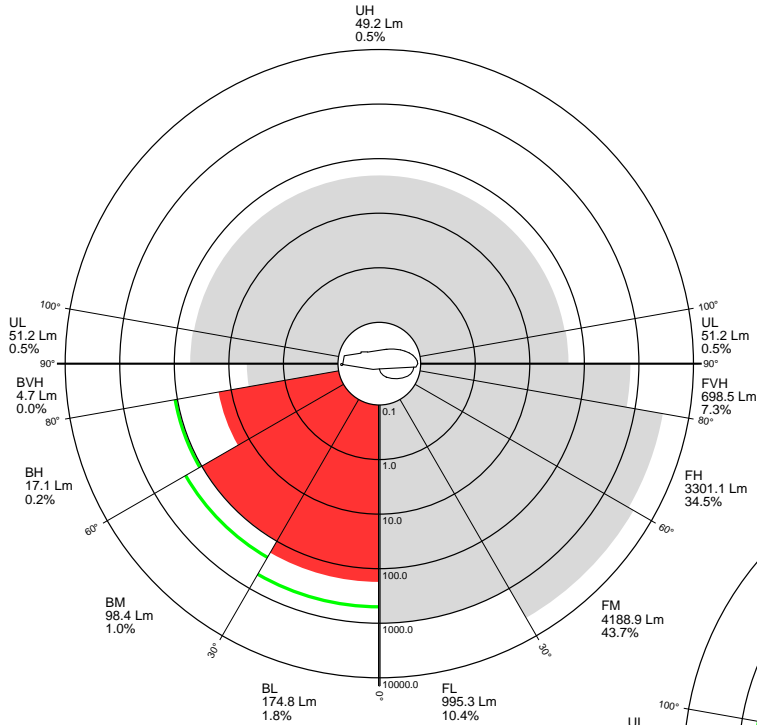


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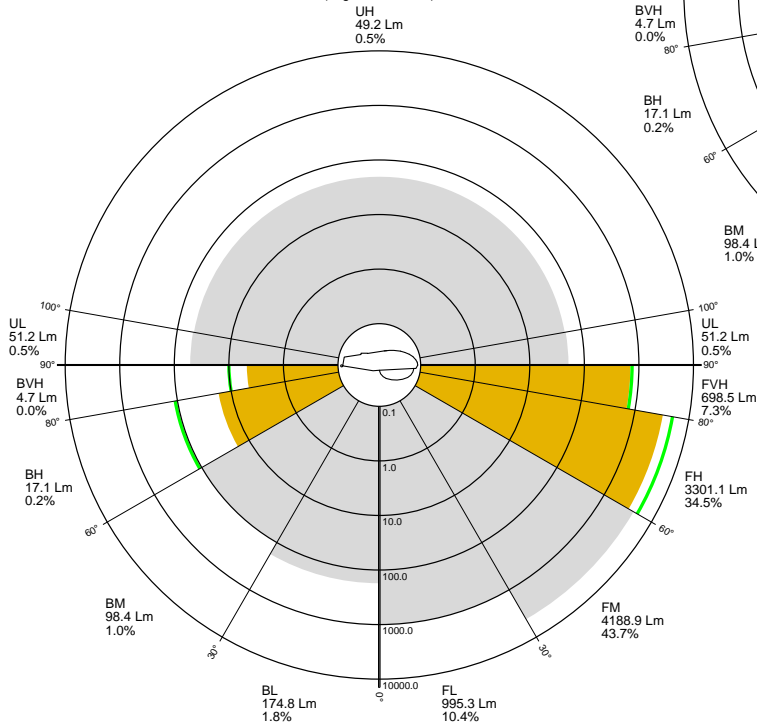
Backlight Rating Details

(Logarithmic scale)



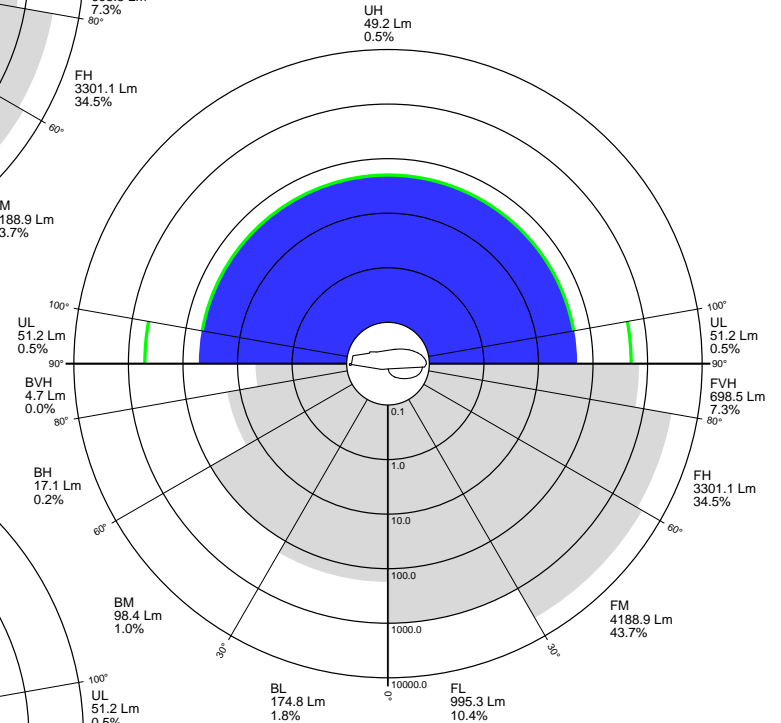
Glare Rating Details

(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	7.	7.	7.	7.	7.	7.	7.	7.	7.
	175.0	0.	1.	2.	4.	6.	7.	9.	10.	12.
	165.0	0.	1.	2.	4.	6.	7.	9.	10.	14.
	155.0	0.	1.	2.	4.	6.	7.	9.	10.	14.
	145.0	0.	1.	2.	4.	6.	7.	9.	10.	12.
	135.0	0.	1.	2.	4.	5.	7.	8.	10.	12.
	125.0	0.	1.	2.	4.	6.	7.	8.	10.	12.
	115.0	0.	1.	2.	4.	6.	7.	8.	10.	11.
	105.0	0.	1.	2.	4.	5.	7.	8.	10.	12.
	95.0	92.	84.	74.	49.	25.	12.	9.	9.	10.
	90.0	797.	764.	774.	720.	578.	346.	154.	67.	11.
	87.5	1637.	1591.	1592.	1514.	1307.	914.	428.	195.	31.
	85.0	2486.	2438.	2403.	2263.	2015.	1567.	808.	298.	60.
V	82.5	3236.	3216.	3121.	2913.	2600.	2026.	1197.	514.	115.
E	80.0	3720.	3683.	3531.	3271.	2945.	2401.	1656.	857.	180.
R	77.5	4052.	4035.	3868.	3662.	3366.	2854.	2089.	1169.	309.
T	75.0	4477.	4437.	4290.	4132.	3901.	3256.	2426.	1423.	489.
I	72.5	5041.	4977.	4827.	4670.	4451.	3601.	2606.	1626.	675.
C	70.0	5617.	5539.	5389.	5218.	4936.	3785.	2749.	1775.	876.
A	67.5	6129.	6082.	5938.	5683.	5110.	3936.	2856.	1877.	1063.
L	65.0	6445.	6420.	6215.	5847.	5256.	4033.	2927.	1942.	1237.
	62.5	6564.	6523.	6368.	6048.	5286.	4081.	2966.	1992.	1356.
A	60.0<<	6707.	6665.	6487.	6085.	5262.	4088.	2975.	2068.	1440.
N	57.5	6686.	6667.	6490.	6055.	5189.	4053.	2949.	2163.	1495.
G	55.0	6680.	6653.	6424.	5940.	5059.	3977.	2911.	2247.	1529.
L	52.5	6597.	6567.	6309.	5783.	4937.	3861.	2896.	2313.	1565.
E	50.0	6490.	6444.	6154.	5605.	4790.	3749.	2966.	2367.	1593.
	47.5	6338.	6286.	5976.	5408.	4595.	3624.	3049.	2401.	1619.
	45.0	6119.	6052.	5722.	5167.	4414.	3601.	3112.	2413.	1642.
	42.5	5806.	5756.	5424.	4902.	4238.	3628.	3138.	2408.	1659.
	40.0	5445.	5411.	5114.	4629.	4154.	3636.	3123.	2387.	1680.
	37.5	5044.	5024.	4793.	4440.	4067.	3610.	3063.	2368.	1695.
	35.0	4751.	4728.	4567.	4273.	3966.	3555.	2984.	2339.	1703.
	30.0	4179.	4183.	4119.	3978.	3725.	3285.	2763.	2247.	1683.
	25.0	3778.	3788.	3736.	3560.	3282.	2902.	2519.	2084.	1607.
	20.0	3209.	3222.	3198.	3035.	2816.	2554.	2245.	1894.	1508.
	15.0	2659.	2671.	2673.	2544.	2367.	2166.	1949.	1675.	1377.
	10.0	2087.	2107.	2097.	2018.	1892.	1759.	1626.	1428.	1243.
	5.0	1482.	1496.	1508.	1452.	1391.	1339.	1276.	1186.	1113.
	0.0	998.	998.	998.	998.	998.	998.	998.	998.	998.
		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	7.	7.	7.	7.	7.	7.	7.	7.	7.	7.	7.
	175.0	12.	12.	12.	11.	10.	8.	7.	5.	4.	3.	3.
	165.0	14.	14.	14.	12.	10.	9.	8.	7.	6.	6.	6.
	155.0	14.	14.	14.	12.	11.	10.	9.	8.	8.	8.	8.
	145.0	14.	14.	14.	12.	11.	10.	10.	10.	10.	10.	10.
	135.0	12.	14.	12.	12.	11.	10.	10.	10.	11.	11.	11.
	125.0	12.	12.	12.	11.	11.	10.	11.	11.	12.	12.	12.
	115.0	12.	12.	12.	12.	11.	12.	12.	14.	15.	15.	15.
	105.0	12.	12.	12.	12.	12.	12.	14.	15.	16.	16.	16.
	95.0	11.	11.	12.	12.	11.	11.	12.	12.	12.	12.	12.
	90.0	10.	11.	11.	11.	10.	10.	9.	10.	10.	10.	10.
	87.5	11.	10.	10.	10.	10.	9.	9.	8.	8.	8.	8.
	85.0	11.	10.	10.	10.	9.	9.	8.	7.	6.	6.	6.
V	82.5	11.	10.	9.	9.	8.	8.	7.	6.	4.	4.	4.
E	80.0	11.	10.	9.	8.	7.	7.	6.	5.	3.	2.	1.
R	77.5	11.	10.	9.	8.	7.	6.	5.	4.	2.	1.	0.
T	75.0	14.	11.	14.	9.	7.	5.	4.	3.	1.	0.	0.
I	72.5	61.	51.	21.	11.	6.	5.	4.	2.	1.	0.	0.
C	70.0	105.	78.	23.	16.	7.	5.	3.	2.	0.	0.	0.
A	67.5	151.	105.	27.	19.	8.	5.	3.	2.	0.	0.	0.
L	65.0	211.	132.	32.	19.	10.	5.	3.	1.	0.	0.	0.
	62.5	274.	160.	46.	18.	11.	6.	4.	2.	0.	0.	0.
A	60.0<<	324.	180.	68.	18.	12.	7.	4.	2.	0.	0.	0.
N	57.5	366.	192.	91.	20.	12.	8.	5.	4.	2.	0.	0.
G	55.0	405.	204.	110.	24.	12.	10.	7.	5.	3.	1.	1.
L	52.5	440.	220.	127.	29.	14.	11.	9.	8.	7.	5.	5.
E	50.0	479.	235.	144.	43.	16.	12.	14.	14.	15.	12.	12.
	47.5	508.	256.	161.	69.	21.	16.	17.	19.	20.	19.	19.
	45.0	534.	275.	174.	98.	32.	20.	21.	23.	26.	25.	25.
	42.5	555.	294.	185.	124.	47.	27.	24.	26.	29.	29.	30.
	40.0	576.	315.	200.	144.	73.	39.	30.	29.	30.	32.	31.
	37.5	608.	348.	218.	161.	103.	50.	39.	33.	33.	34.	34.
	35.0	654.	392.	238.	179.	131.	73.	51.	42.	37.	36.	37.
	30.0	756.	511.	302.	232.	188.	152.	111.	77.	66.	64.	64.
	25.0	840.	627.	388.	340.	280.	250.	229.	201.	178.	157.	158.
	20.0	910.	735.	503.	433.	397.	355.	343.	328.	324.	312.	316.
	15.0	953.	823.	612.	510.	490.	479.	446.	435.	434.	430.	432.
	10.0	978.	894.	741.	628.	565.	535.	527.	528.	528.	528.	528.
	5.0	991.	950.	878.	812.	757.	712.	676.	649.	640.	624.	624.
	0.0	998.	998.	998.	998.	998.	998.	998.	998.	998.	998.	998.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	24
5- 10	78
10- 15	145
15- 20	223
20- 25	306
25- 30	394
30- 35	483
35- 40	576
40- 45	676
45- 50	772
50- 55	856
55- 60	925
60- 65	954
65- 70	923
70- 75	802
75- 80	638
80- 85	469
85- 90	234
90- 95	43
95-100	8
100-105	5
105-110	5
110-115	5
115-120	5
120-125	4
125-130	4
130-135	4
135-140	3
140-145	3
145-150	3
150-155	2
155-160	2
160-165	1
165-170	1
170-175	1
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	102
0- 20	470
0- 30	1170
0- 40	2229
0- 50	3677
0- 60	5457
0- 70	7335
0- 80	8776
0- 90	9479
0-100	9530
0-110	9541
0-120	9551
0-130	9559
0-140	9566
0-150	9572
0-160	9576
0-170	9578
0-180	9579