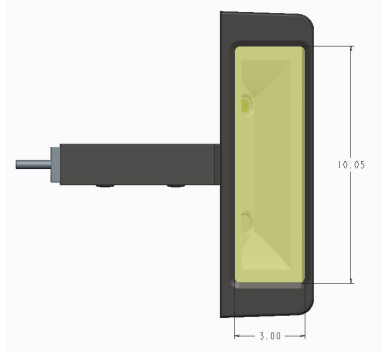


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



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 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED80N/WPLED80N (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.

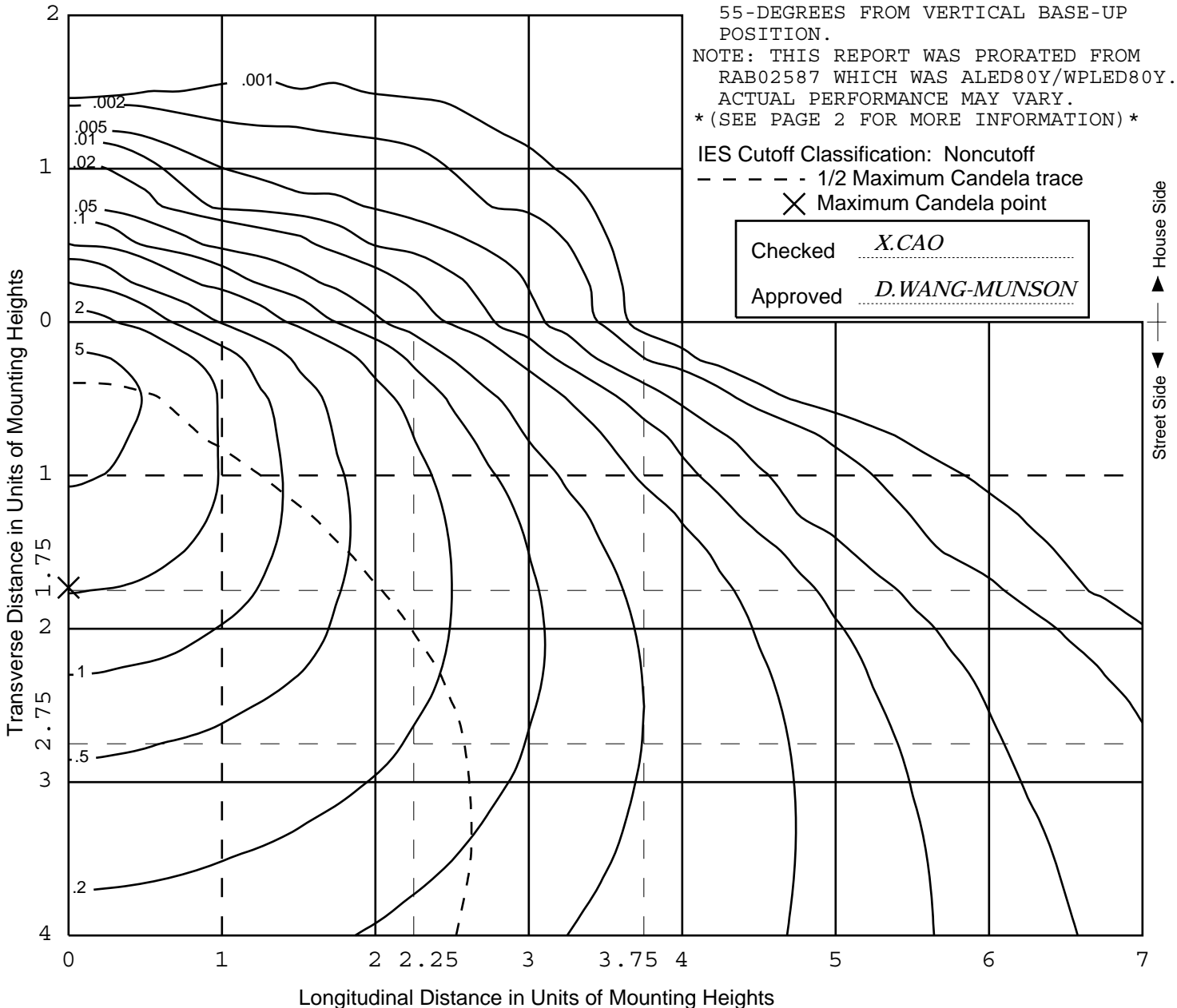
NOTE: THIS REPORT WAS PRORATED FROM
 RAB02587 WHICH WAS ALED80Y/WPLED80Y.
 ACTUAL PERFORMANCE MAY VARY.

(SEE PAGE 2 FOR MORE INFORMATION)

IES Cutoff Classification: Noncutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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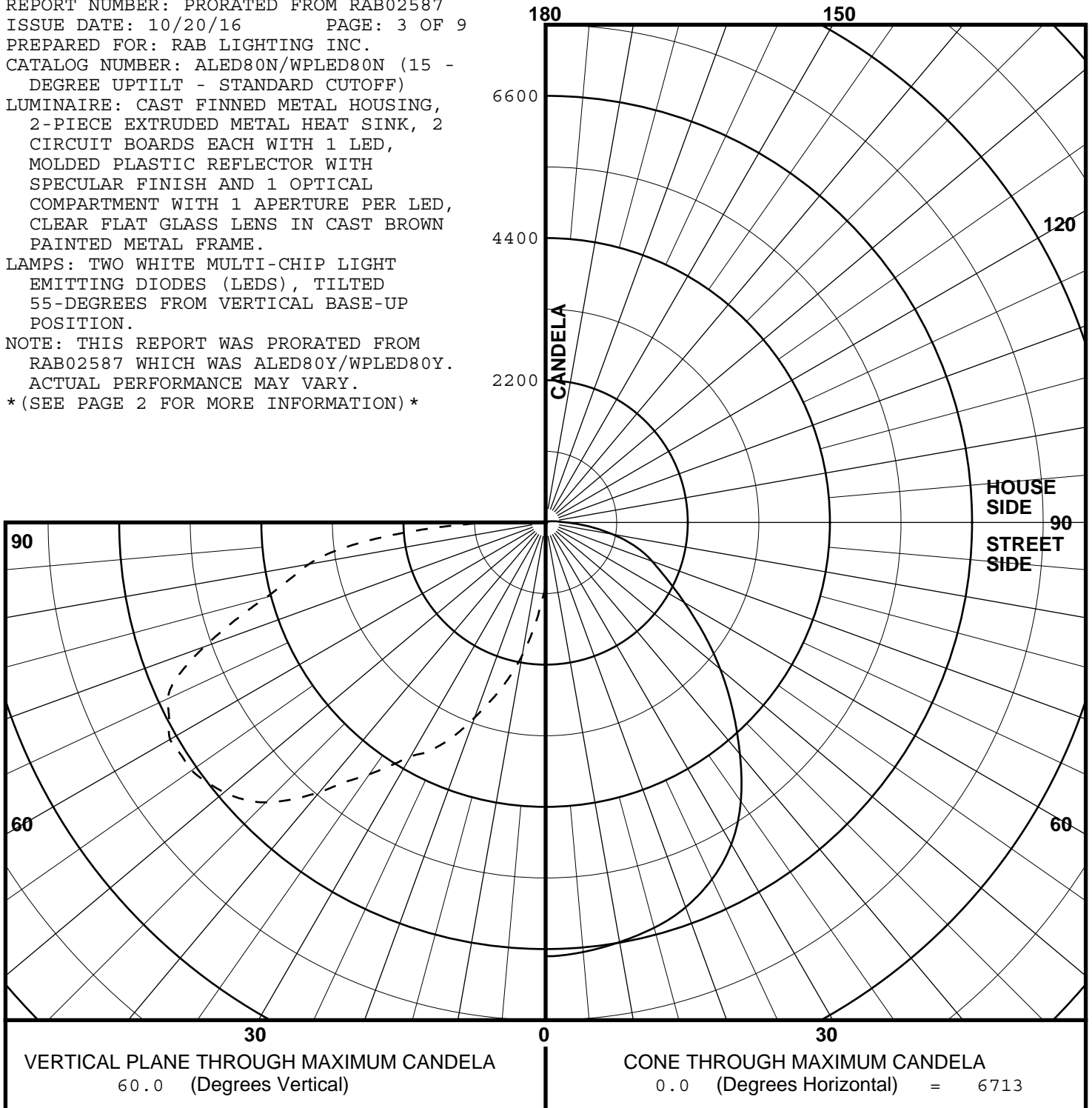
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ADDITIONAL INFORMATION

TOTAL INPUT WATTS = 83.2 W AT 120.0 VAC.
LED DRIVER: RD-085-A2000
TEST PROCEDURE: IESNA LM-79-08

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

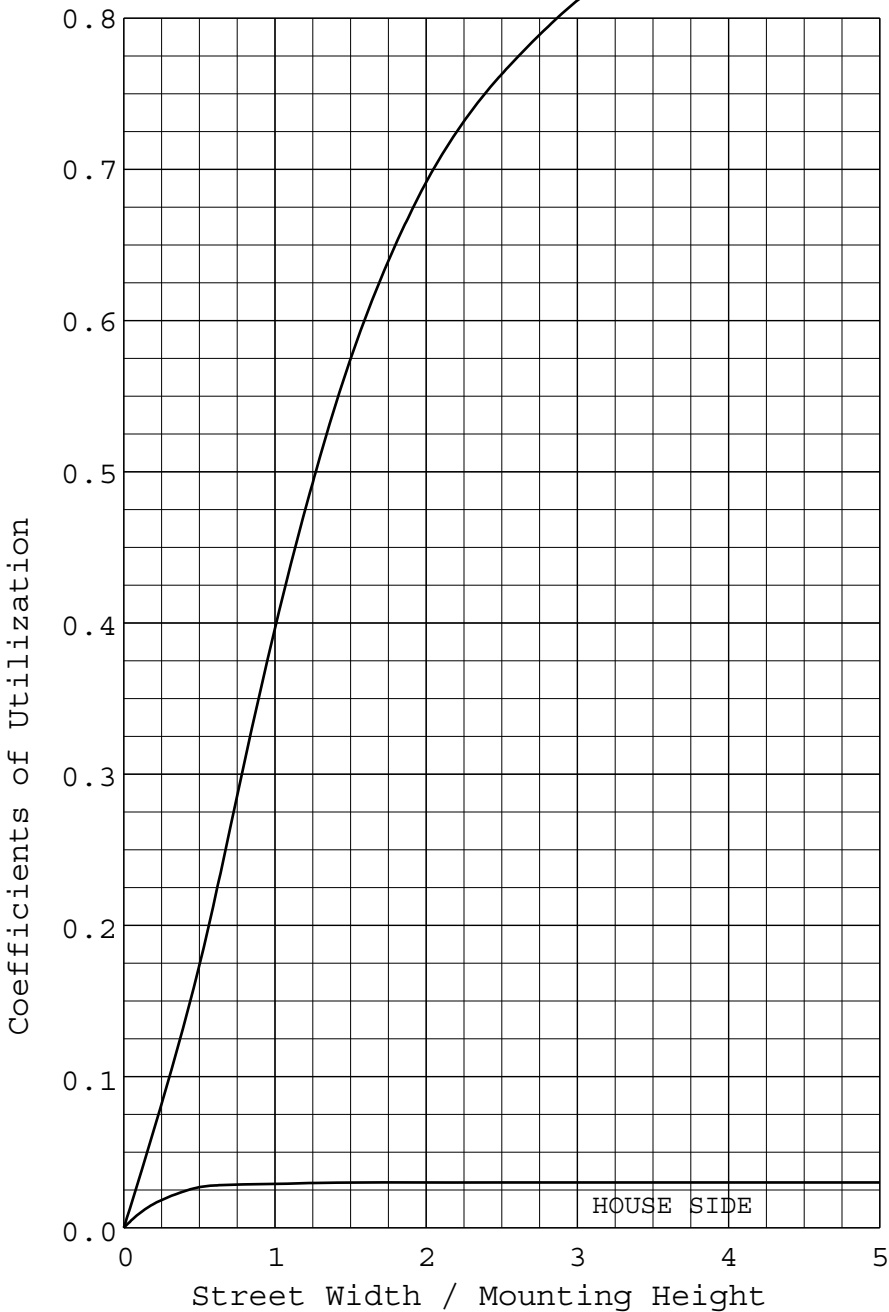
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	9192.	95.9
DOWNWARD HOUSE SIDE	295.	3.1
DOWNWARD TOTAL	9487.	99.0
UPWARD STREET SIDE	63.	0.7
UPWARD HOUSE SIDE	38.	0.4
UPWARD TOTAL	101.	1.0
TOTAL FLUX	9588.	100.0
TOTAL INPUT WATTS = 83.2		
EFFICACY = 115.2 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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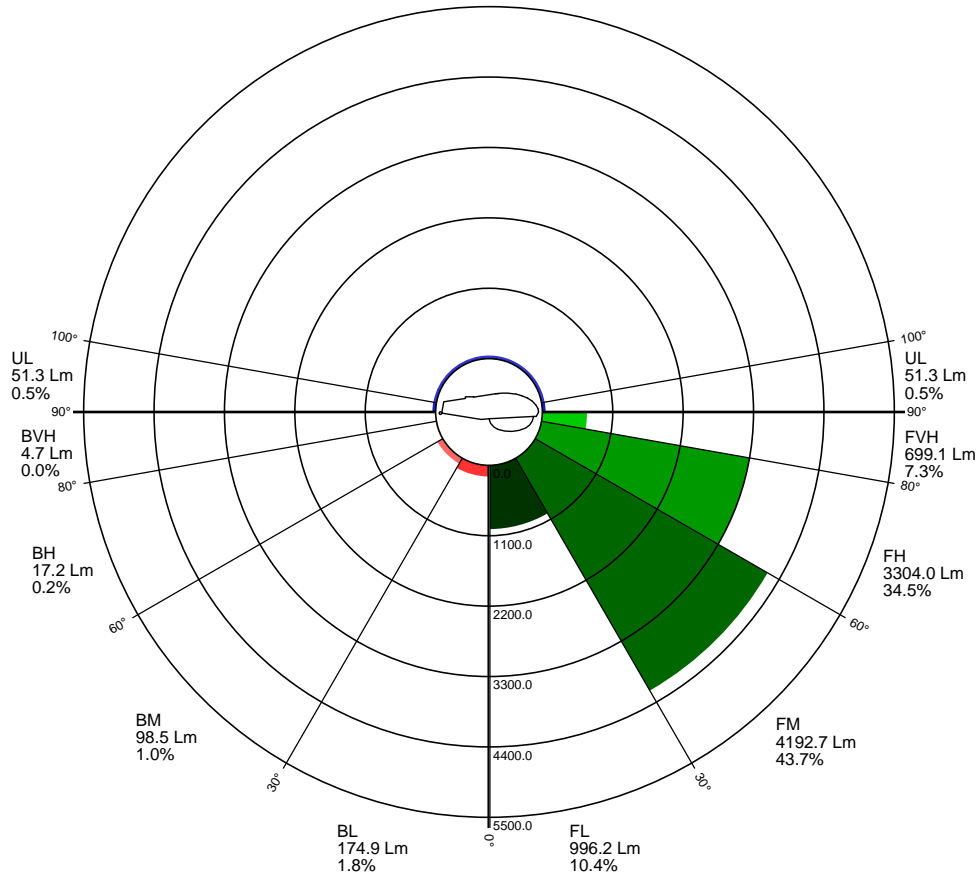
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BUG Rating:				<div>B1</div> <div>U3</div> <div>G4</div>		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		9192	95.9			
FL	(0° - 30°)	996.2	10.4			
FM	(30° - 60°)	4192.7	43.7			
FH	(60° - 80°)	3304.0	34.5			G2
FVH	(80° - 90°)	699.1	7.3			G4
Backward		295	3.1			
BL	(0° - 30°)	174.9	1.8	B1		
BM	(30° - 60°)	98.5	1.0	B0		
BH	(60° - 80°)	17.2	0.2	B0		G0
BVH	(80° - 90°)	4.7	0.0			G0
Upward		101	1.0			
UL	(90° - 100°)	51.3	0.5		U3	
UH	(100° - 180°)	49.3	0.5		U2	
Trapped Light		0	0.0			
Total Flux		9588	100.0			

Zonal Lumen Summary

(Linear scale)

UH
49.3 Lm
0.5%

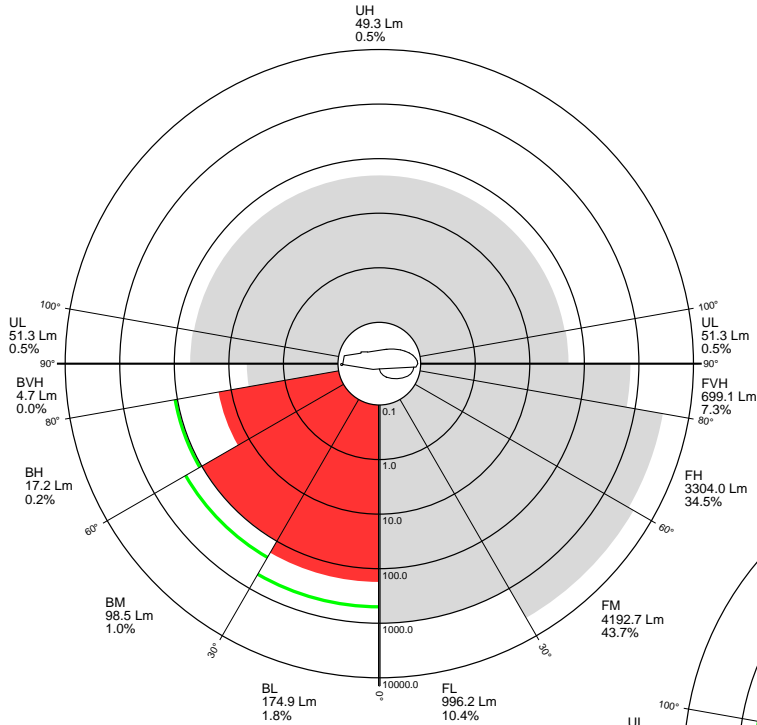


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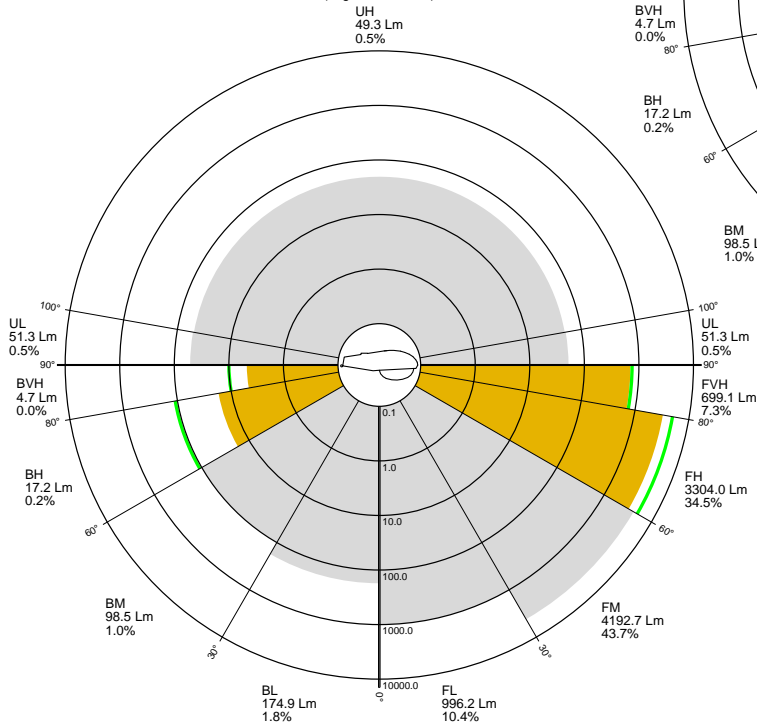
Backlight Rating Details

(Logarithmic scale)



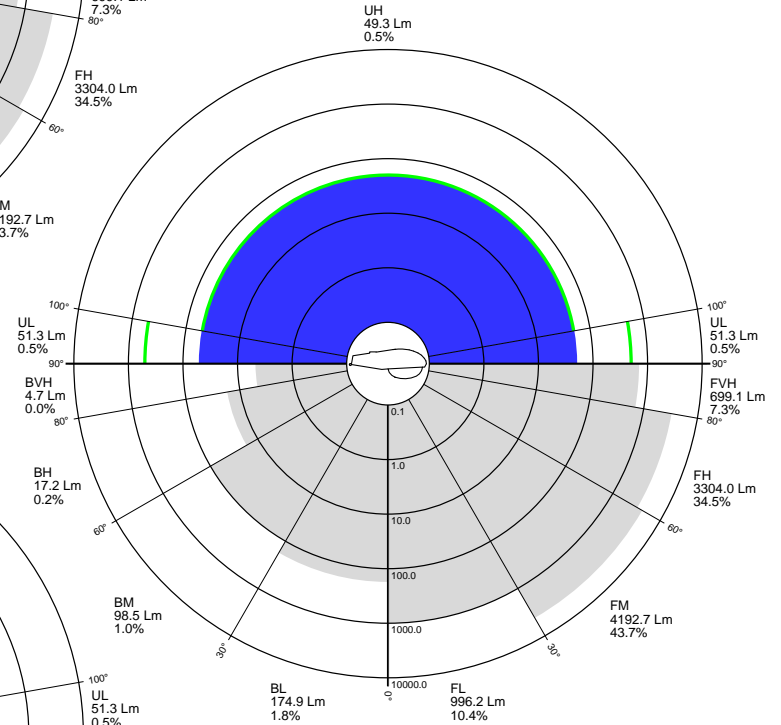
Glare Rating Details

(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.	13.
	165.0	0.	1.	2.	4.	6.	7.	9.	10.	13.
	155.0	0.	1.	2.	4.	6.	7.	9.	10.	13.
	145.0	0.	1.	2.	4.	6.	7.	9.	10.	13.
	135.0	0.	1.	2.	4.	5.	7.	8.	10.	13.
	125.0	0.	1.	2.	4.	6.	7.	8.	10.	13.
	115.0	0.	1.	2.	4.	6.	7.	8.	10.	11.
	105.0	0.	1.	2.	4.	5.	7.	8.	10.	13.
	95.0	92.	84.	74.	49.	25.	13.	9.	9.	10.
	90.0	798.	765.	774.	721.	578.	346.	154.	67.	11.
	87.5	1638.	1592.	1593.	1515.	1308.	915.	428.	195.	31.
	85.0	2488.	2440.	2405.	2265.	2017.	1568.	809.	298.	60.
V	82.5	3239.	3219.	3124.	2916.	2602.	2028.	1198.	515.	115.
E	80.0	3723.	3687.	3534.	3274.	2948.	2403.	1658.	858.	180.
R	77.5	4055.	4039.	3871.	3666.	3369.	2856.	2091.	1170.	309.
T	75.0	4481.	4441.	4294.	4136.	3904.	3259.	2428.	1424.	490.
I	72.5	5045.	4982.	4832.	4674.	4455.	3604.	2608.	1628.	675.
C	70.0	5622.	5544.	5393.	5223.	4940.	3789.	2752.	1777.	876.
A	67.5	6134.	6087.	5944.	5688.	5114.	3940.	2858.	1879.	1064.
L	65.0	6451.	6426.	6221.	5852.	5261.	4037.	2930.	1943.	1238.
	62.5	6570.	6529.	6374.	6053.	5291.	4085.	2969.	1993.	1358.
A	60.0<<	6713.	6671.	6493.	6090.	5266.	4092.	2978.	2069.	1441.
N	57.5	6692.	6673.	6496.	6060.	5193.	4057.	2952.	2165.	1496.
G	55.0	6687.	6659.	6430.	5946.	5063.	3980.	2913.	2249.	1531.
L	52.5	6603.	6573.	6315.	5788.	4941.	3865.	2899.	2315.	1566.
E	50.0	6496.	6450.	6159.	5610.	4794.	3752.	2969.	2370.	1594.
	47.5	6344.	6292.	5981.	5413.	4599.	3627.	3052.	2403.	1620.
	45.0	6125.	6057.	5727.	5171.	4418.	3604.	3115.	2415.	1643.
	42.5	5811.	5761.	5429.	4907.	4242.	3631.	3141.	2410.	1661.
	40.0	5450.	5416.	5118.	4633.	4158.	3640.	3126.	2389.	1682.
	37.5	5048.	5029.	4797.	4444.	4071.	3614.	3066.	2371.	1696.
	35.0	4756.	4733.	4571.	4276.	3970.	3558.	2986.	2341.	1705.
	30.0	4183.	4187.	4123.	3981.	3728.	3288.	2765.	2249.	1685.
	25.0	3781.	3792.	3740.	3564.	3285.	2905.	2522.	2086.	1609.
	20.0	3211.	3225.	3201.	3037.	2819.	2556.	2247.	1895.	1510.
	15.0	2661.	2674.	2676.	2547.	2370.	2168.	1951.	1677.	1379.
	10.0	2089.	2109.	2099.	2019.	1893.	1761.	1628.	1430.	1244.
	5.0	1484.	1497.	1510.	1454.	1392.	1340.	1277.	1187.	1114.
	0.0	999.	999.	999.	999.	999.	999.	999.	999.	999.

||
 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.
	175.0	13.	13.	13.	11.	10.	8.	7.	5.	4.	3. 3.
	165.0	14.	14.	14.	13.	10.	9.	8.	7.	6.	6. 6.
	155.0	14.	14.	14.	13.	11.	10.	9.	8.	8.	8. 8.
	145.0	14.	14.	14.	13.	11.	10.	10.	10.	10.	10. 10.
	135.0	13.	14.	13.	13.	11.	10.	10.	10.	11.	11. 11.
	125.0	13.	13.	13.	11.	11.	10.	11.	11.	13.	13. 13.
	115.0	13.	13.	13.	13.	11.	13.	13.	14.	15.	15. 15.
	105.0	13.	13.	13.	13.	13.	13.	14.	15.	16.	16. 16.
	95.0	11.	11.	13.	13.	11.	11.	13.	13.	13.	13. 13.
	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	212.	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.	13.	7.	4.	2.	0.	0. 0.
N	57.5	367.	192.	91.	20.	13.	8.	5.	4.	2.	0. 0.
G	55.0	405.	204.	110.	24.	13.	10.	7.	5.	3.	1. 1.
L	52.5	441.	220.	127.	29.	14.	11.	9.	8.	7.	5. 5.
E	50.0	479.	235.	144.	43.	16.	13.	14.	14.	15.	13. 13.
	47.5	508.	256.	162.	69.	21.	16.	17.	19.	20.	19. 19.
	45.0	535.	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.	316.	200.	144.	73.	39.	30.	29.	30.	32. 31.
	37.5	609.	348.	218.	162.	103.	50.	39.	33.	33.	34. 34.
	35.0	654.	393.	239.	179.	131.	73.	51.	42.	38.	36. 38.
	30.0	756.	512.	302.	232.	189.	152.	111.	77.	66.	64. 64.
	25.0	841.	627.	389.	341.	280.	250.	229.	201.	178.	157. 158.
	20.0	911.	736.	503.	433.	397.	355.	343.	328.	324.	313. 317.
	15.0	953.	824.	613.	511.	491.	479.	446.	436.	435.	430. 432.
	10.0	978.	895.	742.	628.	566.	536.	527.	528.	528.	528. 528.
	5.0	992.	951.	878.	813.	758.	713.	676.	649.	641.	624. 624.
	0.0	999.	999.	999.	999.	999.	999.	999.	999.	999.	999. 999.

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	307
25- 30	394
30- 35	483
35- 40	577
40- 45	676
45- 50	773
50- 55	857
55- 60	925
60- 65	955
65- 70	924
70- 75	803
75- 80	639
80- 85	469
85- 90	235
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	1171
0- 40	2231
0- 50	3680
0- 60	5462
0- 70	7342
0- 80	8784
0- 90	9487
0-100	9539
0-110	9549
0-120	9559
0-130	9568
0-140	9575
0-150	9581
0-160	9585
0-170	9587
0-180	9588