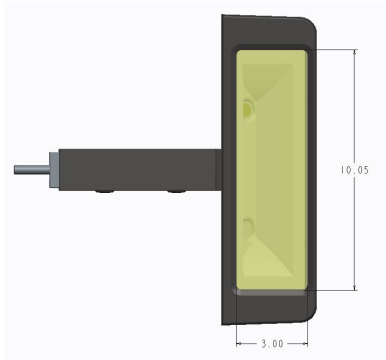


### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.

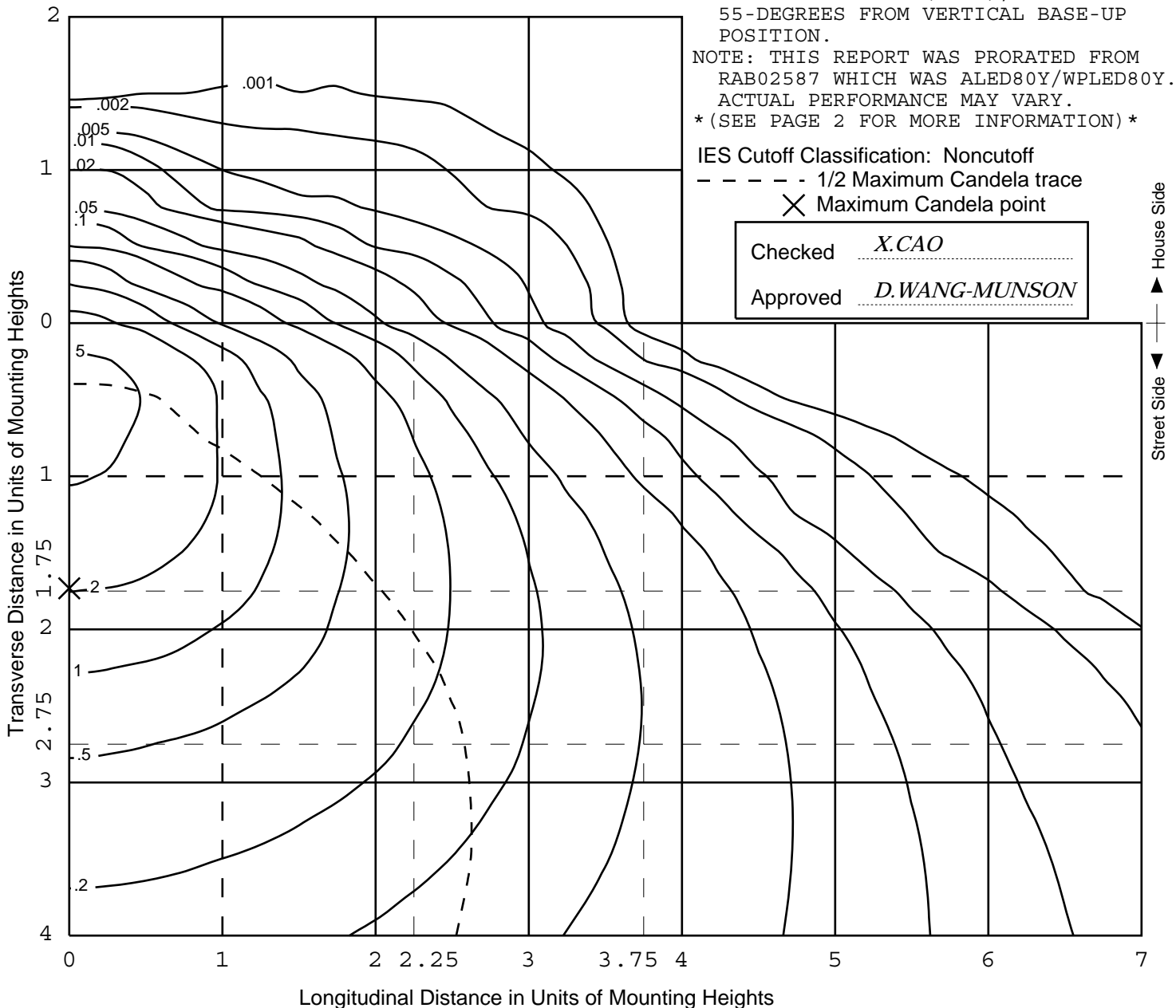


REPORT NUMBER: PRORATED FROM RAB02587  
 ISSUE DATE: 10/20/16 PAGE: 1 OF 9  
 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALED80/WPLED80 (15 -  
 DEGREE UPTILT - STANDARD CUTOFF)  
 LUMINAIRE: CAST FINNED METAL HOUSING,  
 2-PIECE EXTRUDED METAL HEAT SINK, 2  
 CIRCUIT BOARDS EACH WITH 1 LED,  
 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  
 X Maximum Candela point



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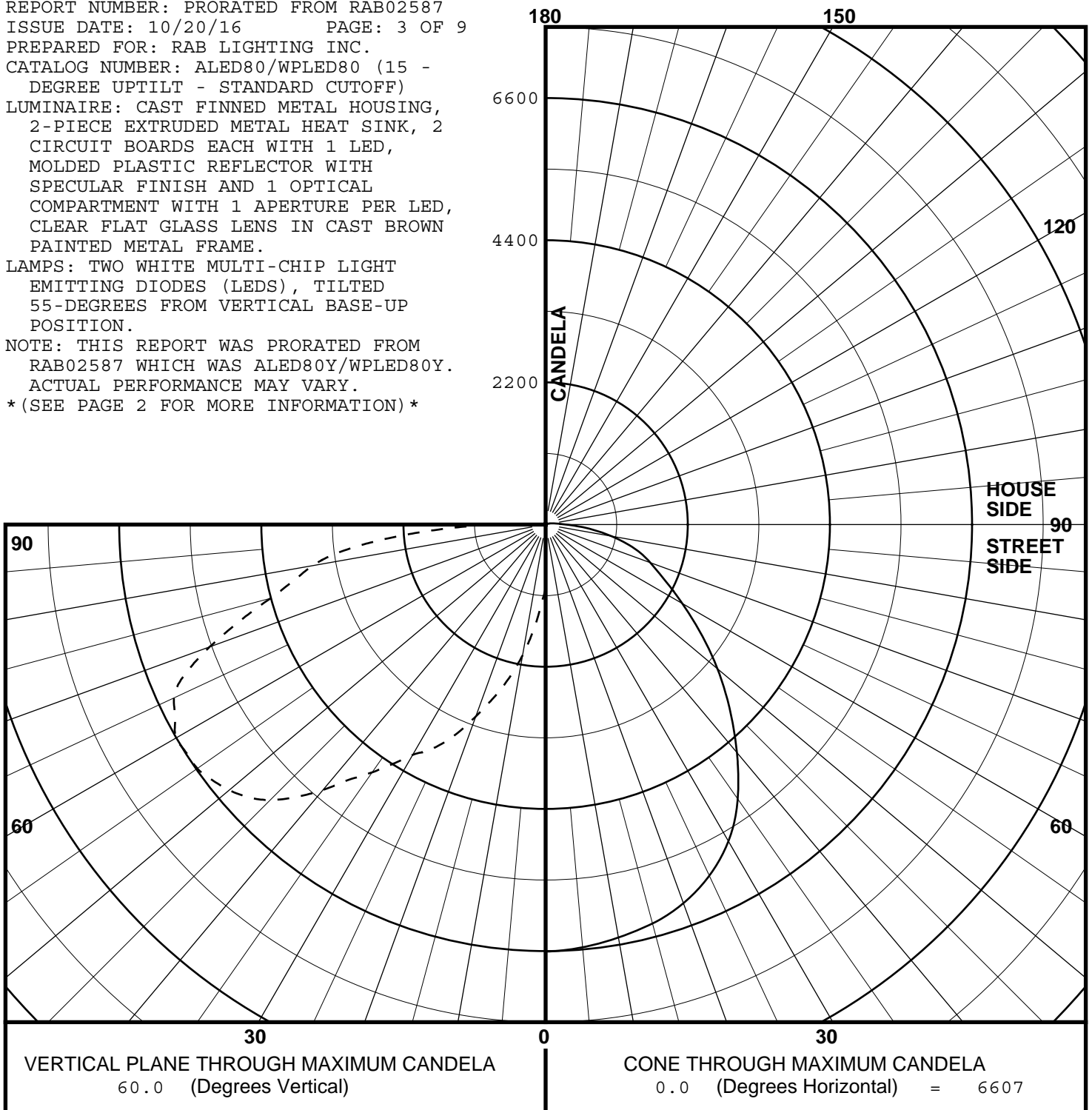
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## ADDITIONAL INFORMATION

TOTAL INPUT WATTS = 83.9 W AT 120.0 VAC.  
LED DRIVER: RD-085-A2000  
TEST PROCEDURE: IESNA LM-79-08

### MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

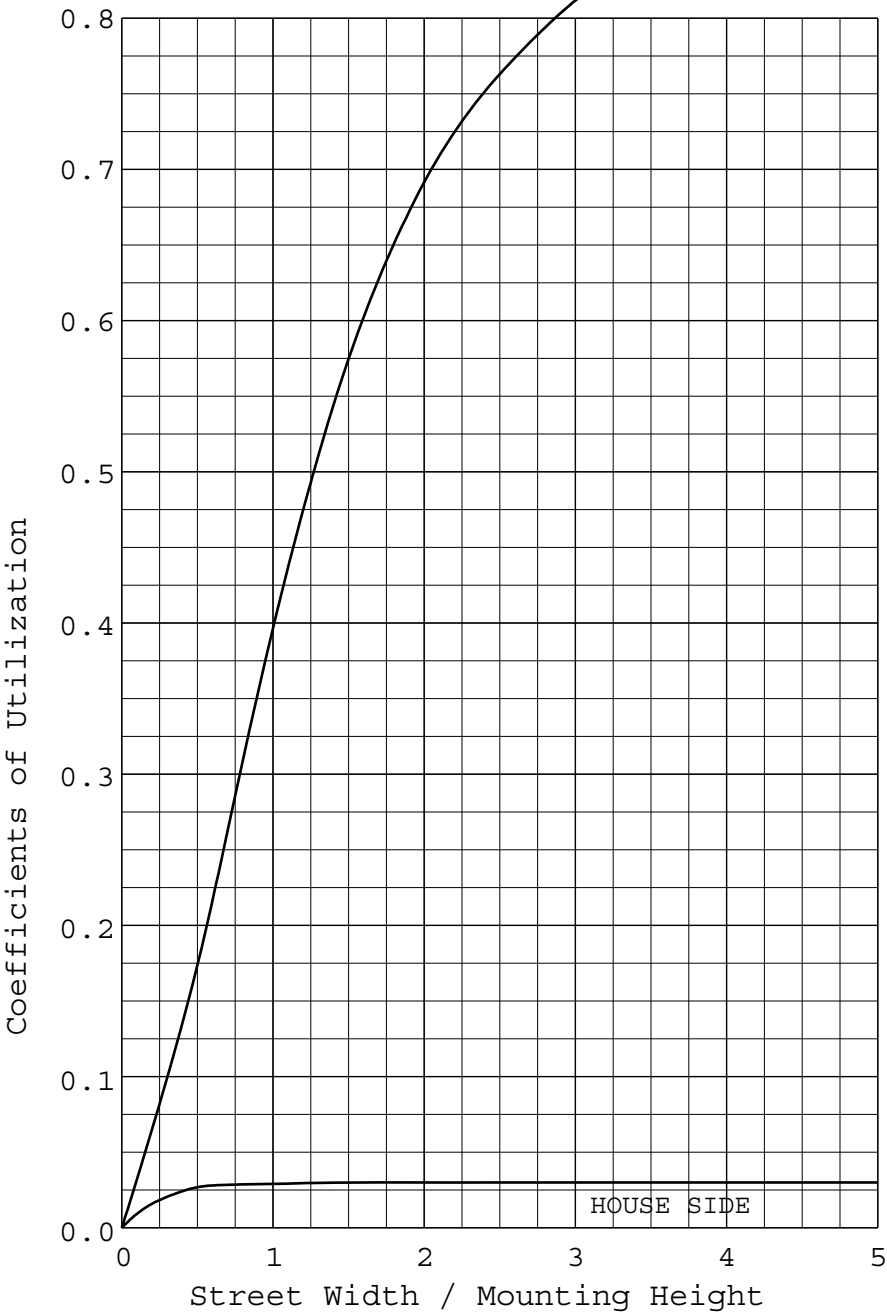
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	9047.	95.9
DOWNWARD HOUSE SIDE	291.	3.1
DOWNWARD TOTAL	9338.	99.0
UPWARD STREET SIDE	62.	0.7
UPWARD HOUSE SIDE	37.	0.4
UPWARD TOTAL	99.	1.0
TOTAL FLUX	9437.	100.0

TOTAL INPUT WATTS = 83.9  
EFFICACY = 112.5 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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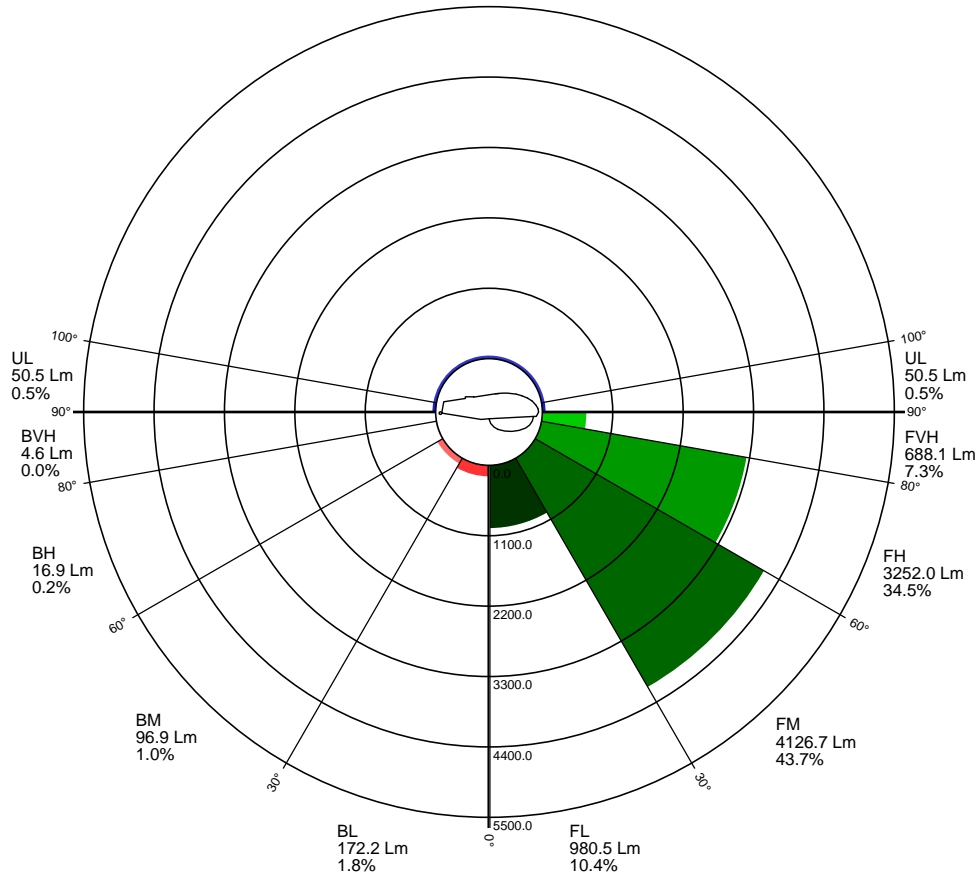
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BUG Rating:				<div>B1</div> <div>U3</div> <div>G4</div>		
Zonal Summary				Zone Ratings		
		Lumens	% of Fixture	B	U	G
Forward		9047	95.9			
FL	(0° - 30°)	980.5	10.4			
FM	(30° - 60°)	4126.7	43.7			
FH	(60° - 80°)	3252.0	34.5			G2
FVH	(80° - 90°)	688.1	7.3			G4
Backward		291	3.1			
BL	(0° - 30°)	172.2	1.8	B1		
BM	(30° - 60°)	96.9	1.0	B0		
BH	(60° - 80°)	16.9	0.2	B0		G0
BVH	(80° - 90°)	4.6	0.0			G0
Upward		99	1.0			
UL	(90° - 100°)	50.5	0.5		U3	
UH	(100° - 180°)	48.5	0.5		U2	
Trapped Light		0	0.0			
Total Flux		9437	100.0			

### Zonal Lumen Summary

(Linear scale)

UH  
48.5 Lm  
0.5%

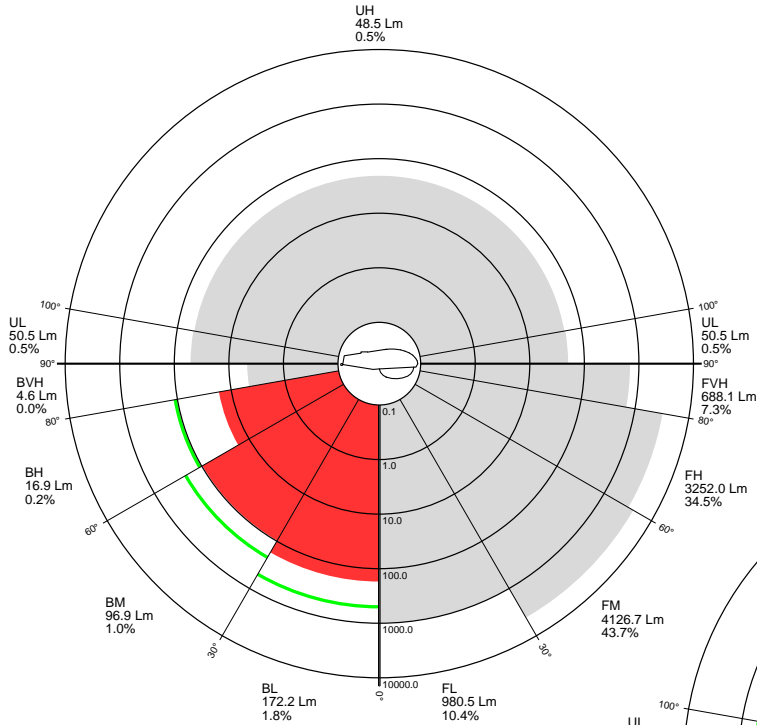


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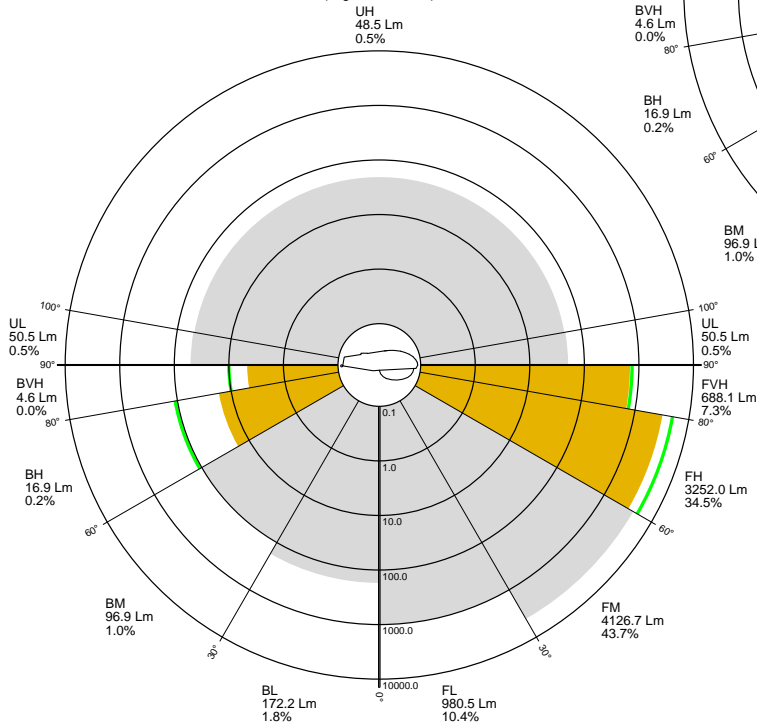
### Backlight Rating Details

(Logarithmic scale)



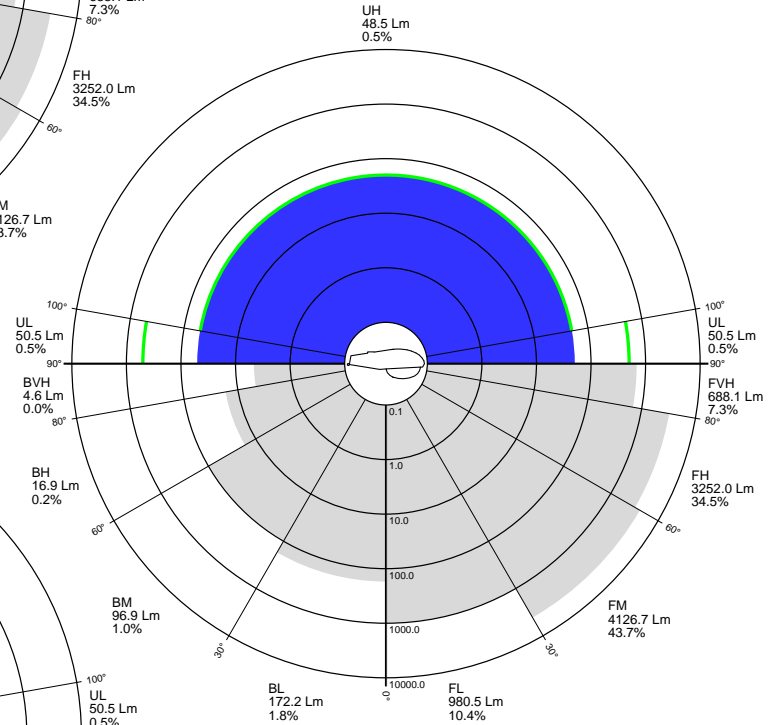
### Glare Rating Details

(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.	11. 12.
	165.0	0.	1.	2.	4.	6.	7.	9.	10.	12. 13.
	155.0	0.	1.	2.	4.	6.	7.	9.	10.	12. 13.
	145.0	0.	1.	2.	4.	6.	7.	9.	10.	11. 12.
	135.0	0.	1.	2.	4.	5.	7.	8.	10.	11. 12.
	125.0	0.	1.	2.	4.	6.	7.	8.	10.	11. 12.
	115.0	0.	1.	2.	4.	6.	7.	8.	10.	11. 11.
	105.0	0.	1.	2.	4.	5.	7.	8.	10.	11. 12.
	95.0	90.	83.	73.	48.	25.	12.	9.	9.	10. 11.
	90.0	786.	753.	762.	710.	569.	340.	152.	66.	11. 11.
	87.5	1612.	1567.	1568.	1491.	1287.	900.	422.	192.	31. 11.
	85.0	2449.	2402.	2367.	2230.	1986.	1544.	796.	293.	59. 11.
V	82.5	3188.	3168.	3075.	2870.	2561.	1996.	1179.	507.	113. 12.
E	80.0	3664.	3629.	3479.	3222.	2901.	2365.	1632.	844.	177. 12.
R	77.5	3992.	3975.	3810.	3608.	3316.	2811.	2058.	1152.	305. 16.
T	75.0	4410.	4371.	4226.	4071.	3843.	3208.	2390.	1402.	482. 62.
I	72.5	4966.	4903.	4756.	4601.	4384.	3548.	2567.	1602.	665. 158.
C	70.0	5533.	5457.	5309.	5140.	4862.	3729.	2709.	1749.	863. 274.
A	67.5	6038.	5992.	5850.	5599.	5034.	3878.	2813.	1849.	1047. 384.
L	65.0	6349.	6325.	6123.	5760.	5178.	3973.	2884.	1913.	1218. 486.
	62.5	6466.	6426.	6274.	5958.	5208.	4020.	2922.	1962.	1336. 577.
A	60.0<<	6607.	6566.	6391.	5995.	5183.	4028.	2931.	2037.	1418. 648.
N	57.5	6586.	6568.	6394.	5965.	5112.	3993.	2906.	2131.	1473. 708.
G	55.0	6581.	6555.	6329.	5852.	4983.	3918.	2868.	2213.	1507. 758.
L	52.5	6499.	6469.	6215.	5697.	4863.	3804.	2853.	2279.	1541. 802.
E	50.0	6394.	6348.	6062.	5522.	4719.	3693.	2922.	2332.	1569. 836.
	47.5	6244.	6193.	5887.	5328.	4527.	3570.	3004.	2365.	1595. 862.
	45.0	6028.	5962.	5637.	5090.	4349.	3548.	3066.	2377.	1617. 879.
	42.5	5720.	5671.	5343.	4830.	4175.	3574.	3091.	2372.	1635. 890.
	40.0	5364.	5331.	5038.	4560.	4092.	3582.	3077.	2352.	1655. 910.
	37.5	4969.	4950.	4722.	4374.	4007.	3557.	3017.	2333.	1670. 938.
	35.0	4681.	4658.	4499.	4209.	3908.	3502.	2939.	2305.	1678. 969.
	30.0	4117.	4121.	4058.	3919.	3670.	3236.	2722.	2213.	1658. 1032.
	25.0	3722.	3732.	3681.	3508.	3234.	2859.	2482.	2053.	1584. 1064.
	20.0	3161.	3174.	3151.	2990.	2774.	2516.	2211.	1866.	1486. 1078.
	15.0	2619.	2632.	2634.	2507.	2332.	2134.	1920.	1650.	1357. 1069.
	10.0	2056.	2076.	2066.	1988.	1864.	1733.	1602.	1407.	1225. 1048.
	5.0	1460.	1474.	1486.	1431.	1370.	1319.	1257.	1168.	1096. 1016.
	0.0	984.	984.	984.	984.	984.	984.	984.	984.	984. 984.
		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	13.	13.	13.	12.	10.	9.	8.	7.	6.	6.	6.
	155.0	13.	13.	13.	12.	11.	10.	9.	8.	8.	8.	8.
	145.0	13.	13.	13.	12.	11.	10.	10.	10.	10.	10.	10.
	135.0	12.	13.	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.	13.	14.	14.	14.
	105.0	12.	12.	12.	12.	12.	12.	13.	14.	15.	15.	15.
	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	13.	11.	13.	9.	7.	5.	4.	3.	1.	0.	0.
I	72.5	61.	50.	21.	11.	6.	5.	4.	2.	1.	0.	0.
C	70.0	104.	77.	23.	15.	7.	5.	3.	2.	0.	0.	0.
A	67.5	149.	104.	27.	18.	8.	5.	3.	2.	0.	0.	0.
L	65.0	208.	130.	32.	18.	10.	5.	3.	1.	0.	0.	0.
	62.5	270.	158.	45.	17.	11.	6.	4.	2.	0.	0.	0.
A	60.0<<	319.	177.	67.	17.	12.	7.	4.	2.	0.	0.	0.
N	57.5	361.	189.	89.	19.	12.	8.	5.	4.	2.	0.	0.
G	55.0	399.	201.	109.	24.	12.	10.	7.	5.	3.	1.	1.
L	52.5	434.	216.	125.	29.	13.	11.	9.	8.	7.	5.	5.
E	50.0	472.	232.	142.	42.	15.	12.	13.	13.	14.	12.	12.
	47.5	500.	252.	159.	68.	21.	15.	16.	18.	19.	18.	18.
	45.0	526.	271.	171.	96.	32.	19.	21.	23.	26.	25.	25.
	42.5	547.	289.	183.	122.	46.	27.	24.	26.	29.	29.	30.
	40.0	567.	311.	197.	142.	72.	38.	30.	29.	30.	32.	31.
	37.5	599.	343.	214.	159.	102.	49.	38.	33.	33.	34.	34.
	35.0	644.	387.	235.	176.	129.	72.	50.	41.	37.	36.	37.
	30.0	745.	504.	297.	229.	186.	150.	110.	76.	65.	63.	63.
	25.0	828.	617.	383.	335.	276.	246.	226.	198.	175.	155.	156.
	20.0	896.	724.	495.	427.	391.	350.	337.	323.	319.	308.	312.
	15.0	938.	811.	603.	503.	483.	472.	439.	429.	428.	424.	426.
	10.0	963.	881.	730.	618.	557.	527.	519.	520.	520.	520.	520.
	5.0	976.	936.	865.	800.	746.	702.	666.	639.	631.	614.	614.
	0.0	984.	984.	984.	984.	984.	984.	984.	984.	984.	984.	984.

CONE OF MAXIMUM CANDELA

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	24
5- 10	77
10- 15	143
15- 20	219
20- 25	302
25- 30	388
30- 35	476
35- 40	568
40- 45	666
45- 50	761
50- 55	844
55- 60	911
60- 65	940
65- 70	910
70- 75	790
75- 80	629
80- 85	462
85- 90	231
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	101
0- 20	463
0- 30	1153
0- 40	2196
0- 50	3622
0- 60	5376
0- 70	7226
0- 80	8645
0- 90	9338
0-100	9389
0-110	9399
0-120	9409
0-130	9417
0-140	9424
0-150	9430
0-160	9434
0-170	9436
0-180	9437