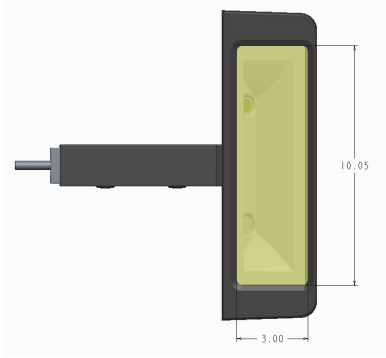


### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



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 ISSUE DATE: 10/28/16 PAGE: 1 OF 9  
 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALED52N/480,  
 WPLED52N/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.

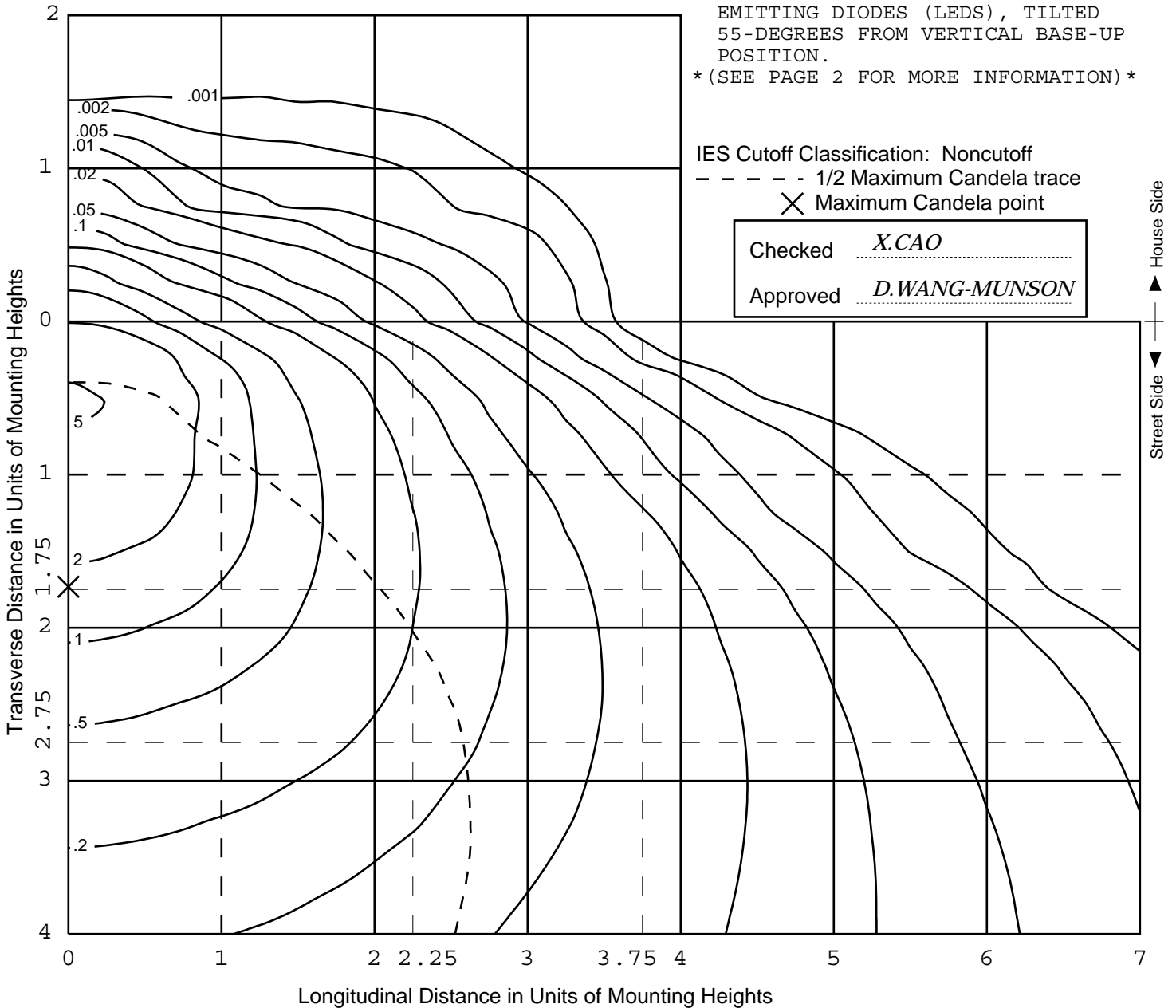
LAMPS: TWO WHITE MULTI-CHIP LIGHT  
 EMITTING DIODES (LEDs), TILTED  
 55-DEGREES FROM VERTICAL BASE-UP  
 POSITION.

\*(SEE PAGE 2 FOR MORE INFORMATION)\*

IES Cutoff Classification: Noncutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point



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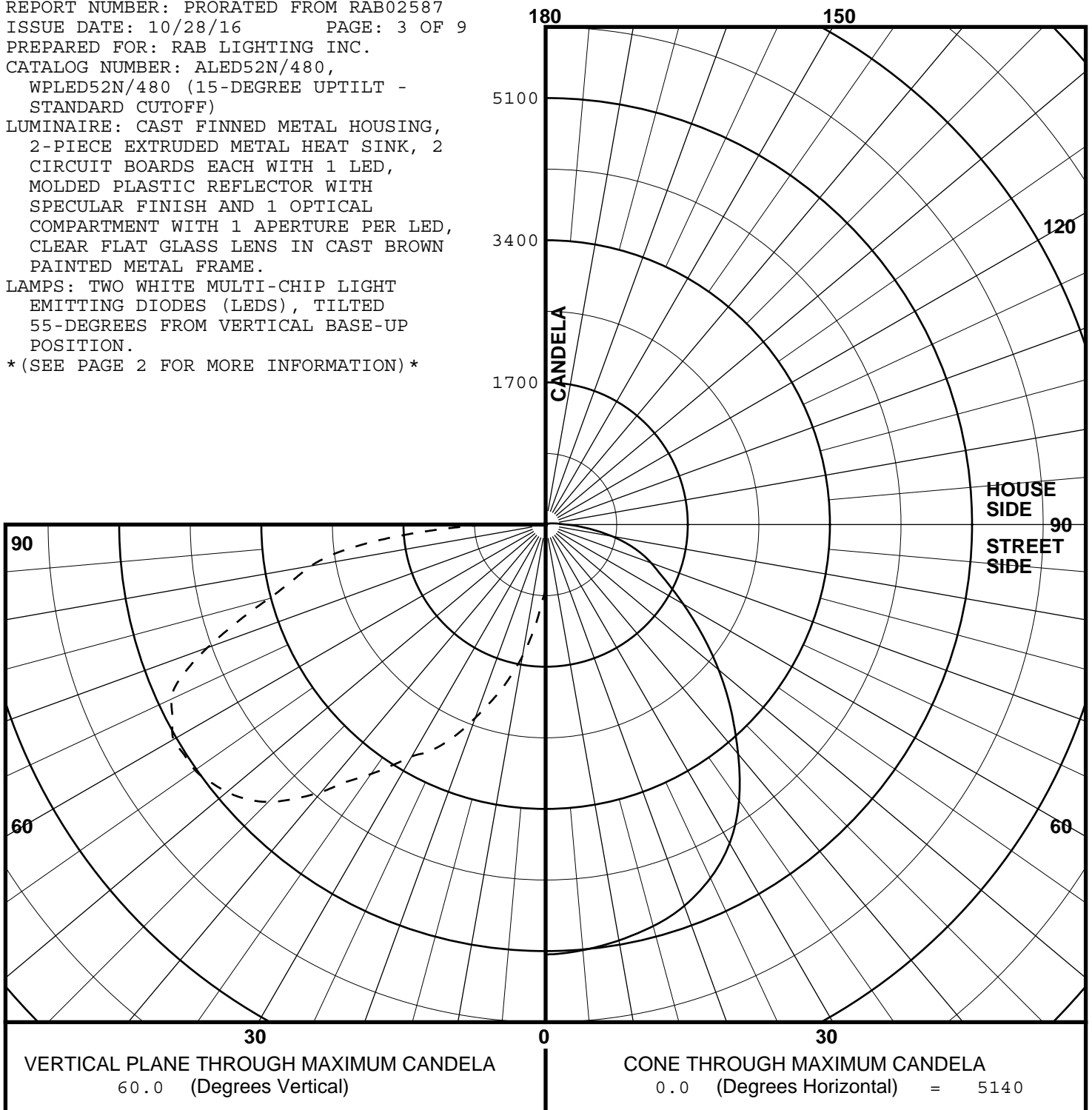
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## ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02587 WHICH WAS ALED80Y,  
WPLED80Y. ACTUAL PERFORMANCE MAY VARY.  
TOTAL INPUT WATTS = 57.9 W AT 480.0 VAC.  
LED DRIVER: RD-H065-A1810-480  
TEST PROCEDURE: IESNA LM-79-08

### MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

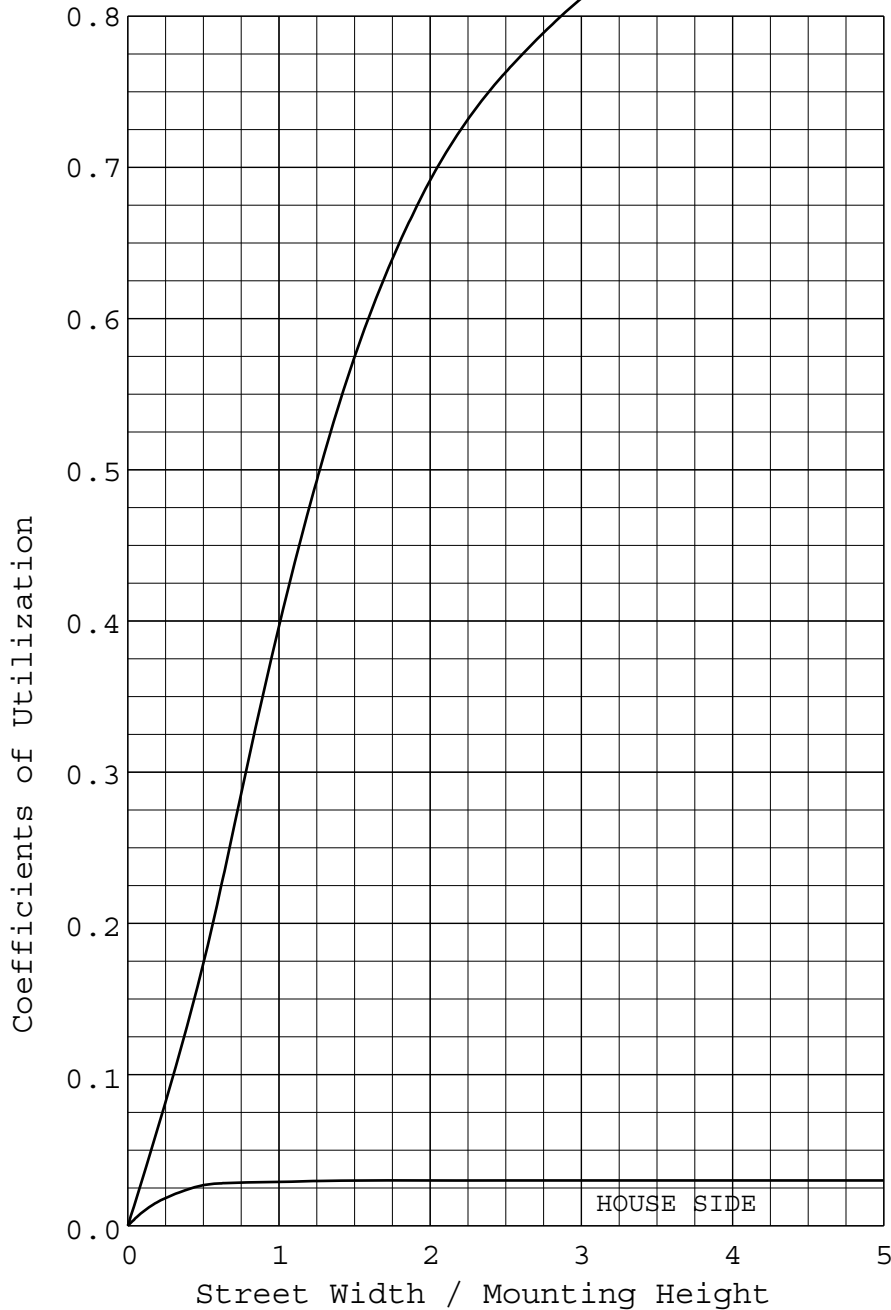
REPORT NUMBER: PRORATED FROM RAB02587  
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 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALED52N/480,  
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 EMITTING DIODES (LEDs), TILTED  
 55-DEGREES FROM VERTICAL BASE-UP  
 POSITION.  
 \*(SEE PAGE 2 FOR MORE INFORMATION)\*



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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	7039.	95.9
DOWNWARD HOUSE SIDE	226.	3.1
DOWNWARD TOTAL	7265.	99.0
UPWARD STREET SIDE	48.	0.7
UPWARD HOUSE SIDE	29.	0.4
UPWARD TOTAL	77.	1.0
TOTAL FLUX	7342.	100.0

TOTAL INPUT WATTS = 57.9  
 EFFICACY = 126.8 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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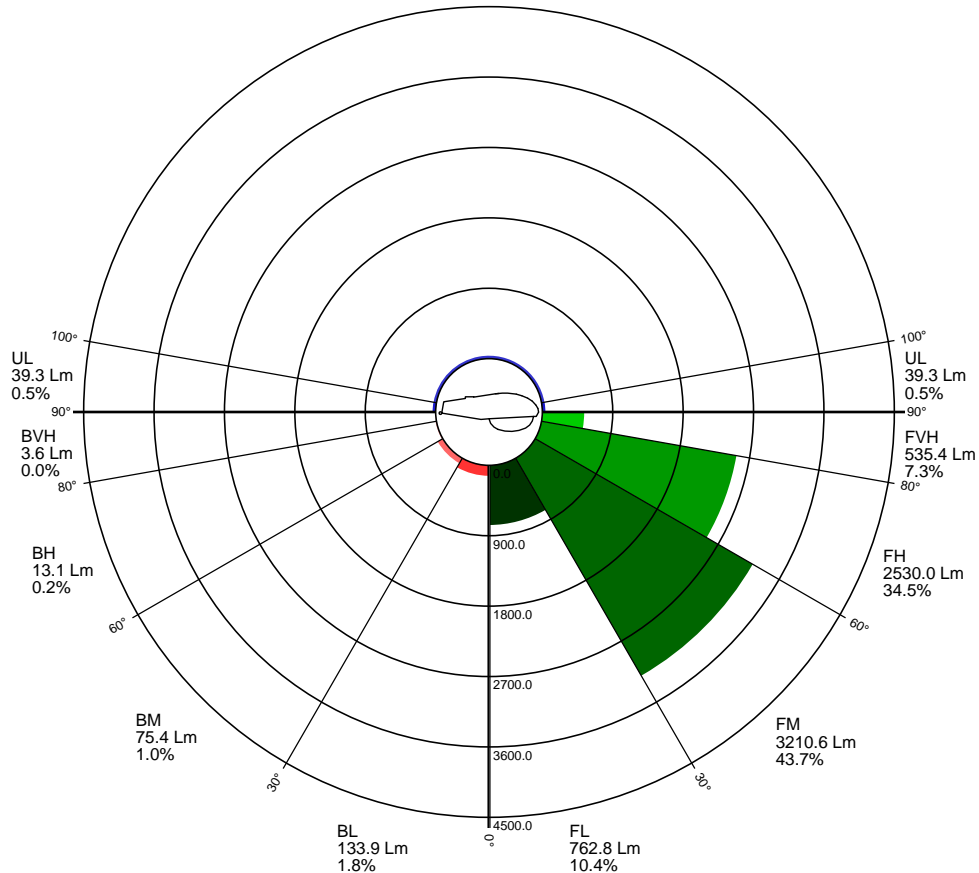
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BUG Rating:				B1 U2 G4		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		7039	95.9			
FL	(0° - 30°)	762.8	10.4			
FM	(30° - 60°)	3210.6	43.7			
FH	(60° - 80°)	2530.0	34.5			G2
FVH	(80° - 90°)	535.4	7.3			G4
Backward		226	3.1			
BL	(0° - 30°)	133.9	1.8	B1		
BM	(30° - 60°)	75.4	1.0	B0		
BH	(60° - 80°)	13.1	0.2	B0		G0
BVH	(80° - 90°)	3.6	0.0			G0
Upward		77	1.0			
UL	(90° - 100°)	39.3	0.5		U2	
UH	(100° - 180°)	37.7	0.5		U2	
Trapped Light		0	0.0			
Total Flux		7342	100.0			

### Zonal Lumen Summary

(Linear scale)

UH  
37.7 Lm  
0.5%

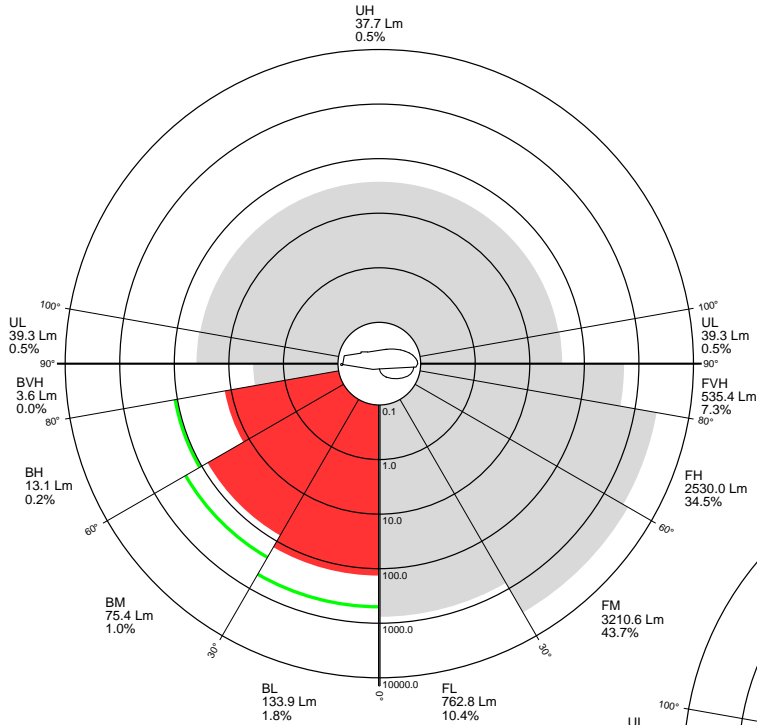


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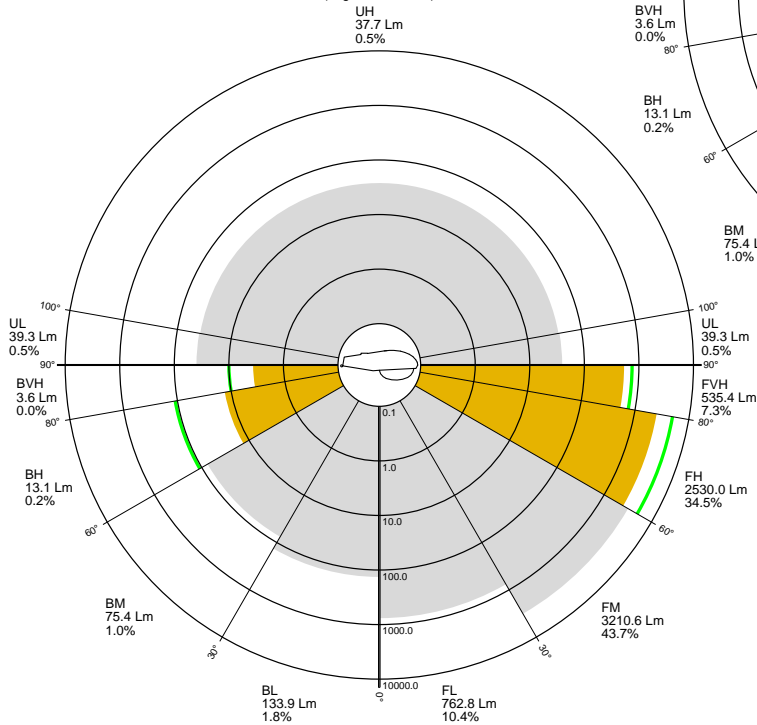
### Backlight Rating Details

(Logarithmic scale)



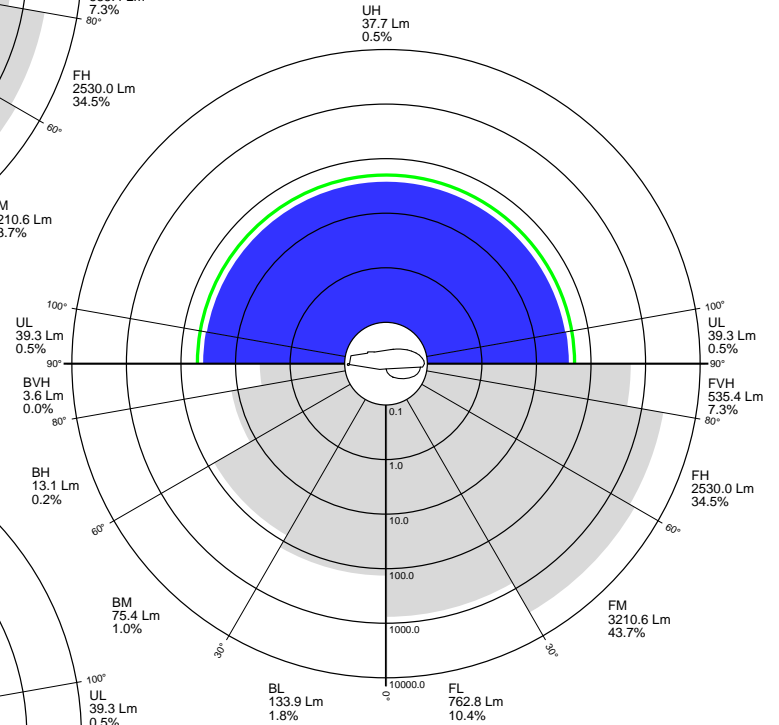
### Glare Rating Details

(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	6.	6.	6.	6.	6.	6.	6.	6.	6.
	175.0	0.	1.	2.	3.	5.	6.	7.	8.	10.
	165.0	0.	1.	2.	3.	5.	6.	7.	8.	10.
	155.0	0.	1.	2.	3.	5.	6.	7.	8.	10.
	145.0	0.	1.	2.	3.	5.	6.	7.	8.	10.
	135.0	0.	1.	2.	3.	4.	6.	6.	8.	10.
	125.0	0.	1.	2.	3.	5.	6.	6.	8.	10.
	115.0	0.	1.	2.	3.	5.	6.	6.	8.	9.
	105.0	0.	1.	2.	3.	4.	6.	6.	8.	10.
	95.0	70.	65.	57.	38.	19.	10.	7.	7.	8.
	90.0	611.	586.	593.	552.	443.	265.	118.	51.	9.
	87.5	1254.	1219.	1220.	1160.	1001.	701.	328.	149.	24.
	85.0	1905.	1869.	1842.	1735.	1545.	1201.	619.	228.	46.
V	82.5	2480.	2465.	2392.	2233.	1992.	1553.	918.	394.	88.
E	80.0	2851.	2823.	2706.	2507.	2257.	1840.	1269.	657.	138.
R	77.5	3105.	3093.	2964.	2807.	2580.	2187.	1601.	896.	237.
T	75.0	3431.	3401.	3288.	3167.	2990.	2496.	1859.	1091.	375.
I	72.5	3863.	3815.	3700.	3579.	3411.	2760.	1997.	1246.	517.
C	70.0	4305.	4246.	4130.	3999.	3783.	2901.	2107.	1360.	671.
A	67.5	4697.	4661.	4551.	4356.	3916.	3017.	2189.	1439.	815.
L	65.0	4940.	4921.	4763.	4481.	4029.	3091.	2244.	1488.	948.
	62.5	5031.	5000.	4881.	4635.	4052.	3128.	2273.	1526.	1040.
A	60.0<<	5140.	5108.	4972.	4664.	4033.	3133.	2280.	1585.	1104.
N	57.5	5124.	5110.	4974.	4641.	3977.	3106.	2260.	1658.	1146.
G	55.0	5120.	5099.	4924.	4553.	3877.	3048.	2231.	1722.	1172.
L	52.5	5056.	5033.	4835.	4432.	3784.	2959.	2220.	1773.	1199.
E	50.0	4974.	4939.	4716.	4296.	3671.	2873.	2273.	1814.	1221.
	47.5	4858.	4818.	4580.	4145.	3522.	2778.	2337.	1840.	1241.
	45.0	4690.	4638.	4385.	3960.	3383.	2760.	2385.	1850.	1258.
	42.5	4450.	4412.	4157.	3757.	3248.	2781.	2405.	1846.	1272.
	40.0	4173.	4148.	3919.	3547.	3184.	2787.	2394.	1830.	1288.
	37.5	3866.	3851.	3674.	3403.	3117.	2767.	2347.	1815.	1299.
	35.0	3642.	3624.	3500.	3275.	3040.	2725.	2287.	1793.	1305.
	30.0	3203.	3206.	3157.	3049.	2855.	2517.	2118.	1722.	1290.
	25.0	2896.	2904.	2864.	2729.	2516.	2225.	1931.	1597.	1232.
	20.0	2459.	2470.	2451.	2326.	2158.	1957.	1720.	1451.	1156.
	15.0	2038.	2047.	2049.	1950.	1814.	1660.	1494.	1284.	1056.
	10.0	1600.	1615.	1607.	1546.	1450.	1348.	1246.	1095.	953.
	5.0	1136.	1147.	1156.	1113.	1066.	1026.	978.	909.	853.
	0.0	765.	765.	765.	765.	765.	765.	765.	765.	765.
		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	6.	6.	6.	6.	6.	6.	6.	6.	6.	6.	6.
	175.0	10.	10.	10.	9.	8.	6.	6.	4.	3.	2.	2.
	165.0	10.	10.	10.	10.	8.	7.	6.	6.	5.	5.	5.
	155.0	10.	10.	10.	10.	9.	8.	7.	6.	6.	6.	6.
	145.0	10.	10.	10.	10.	9.	8.	8.	8.	8.	8.	8.
	135.0	10.	10.	10.	10.	9.	8.	8.	8.	9.	9.	9.
	125.0	10.	10.	10.	9.	9.	8.	9.	9.	10.	10.	10.
	115.0	10.	10.	10.	10.	9.	10.	10.	10.	11.	11.	11.
	105.0	10.	10.	10.	10.	10.	10.	10.	11.	12.	12.	12.
	95.0	9.	9.	10.	10.	9.	9.	10.	10.	10.	10.	10.
	90.0	8.	9.	9.	9.	8.	8.	7.	8.	8.	8.	8.
	87.5	9.	8.	8.	8.	8.	7.	7.	6.	6.	6.	6.
	85.0	9.	8.	8.	8.	7.	7.	6.	6.	5.	5.	5.
V	82.5	9.	8.	7.	7.	6.	6.	6.	5.	3.	3.	3.
E	80.0	9.	8.	7.	6.	6.	6.	5.	4.	2.	2.	1.
R	77.5	9.	8.	7.	6.	6.	5.	4.	3.	2.	1.	0.
T	75.0	10.	9.	10.	7.	6.	4.	3.	2.	1.	0.	0.
I	72.5	47.	39.	16.	9.	5.	4.	3.	2.	1.	0.	0.
C	70.0	81.	60.	18.	12.	6.	4.	2.	2.	0.	0.	0.
A	67.5	116.	81.	21.	14.	6.	4.	2.	2.	0.	0.	0.
L	65.0	162.	101.	25.	14.	8.	4.	2.	1.	0.	0.	0.
	62.5	210.	123.	35.	14.	9.	5.	3.	2.	0.	0.	0.
A	60.0<<	248.	138.	52.	14.	10.	6.	3.	2.	0.	0.	0.
N	57.5	281.	147.	69.	15.	10.	6.	4.	3.	2.	0.	0.
G	55.0	310.	156.	85.	18.	10.	8.	6.	4.	2.	1.	1.
L	52.5	338.	168.	97.	22.	10.	9.	7.	6.	6.	4.	4.
E	50.0	367.	180.	110.	33.	12.	10.	10.	10.	11.	10.	10.
	47.5	389.	196.	124.	53.	16.	12.	13.	14.	15.	14.	14.
	45.0	409.	211.	133.	75.	25.	15.	16.	18.	20.	19.	19.
	42.5	425.	225.	142.	95.	36.	21.	18.	20.	22.	22.	23.
	40.0	441.	242.	153.	110.	56.	30.	23.	22.	23.	25.	24.
	37.5	466.	266.	167.	124.	79.	38.	30.	26.	26.	26.	26.
	35.0	501.	301.	183.	137.	101.	56.	39.	32.	29.	28.	29.
	30.0	579.	392.	231.	178.	144.	116.	85.	59.	50.	49.	49.
	25.0	644.	480.	298.	261.	215.	191.	176.	154.	136.	120.	121.
	20.0	697.	563.	385.	332.	304.	272.	263.	251.	248.	239.	243.
	15.0	730.	631.	469.	391.	376.	367.	342.	334.	333.	330.	331.
	10.0	749.	685.	568.	481.	433.	410.	404.	405.	405.	405.	405.
	5.0	760.	728.	673.	622.	580.	546.	518.	497.	491.	478.	478.
	0.0	765.	765.	765.	765.	765.	765.	765.	765.	765.	765.	765.

CONE OF MAXIMUM CANDELA

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	19
5- 10	60
10- 15	111
15- 20	171
20- 25	235
25- 30	302
30- 35	370
35- 40	442
40- 45	518
45- 50	592
50- 55	656
55- 60	709
60- 65	731
65- 70	708
70- 75	615
75- 80	489
80- 85	359
85- 90	180
90- 95	33
95-100	6
100-105	4
105-110	4
110-115	4
115-120	4
120-125	3
125-130	3
130-135	3
135-140	3
140-145	2
145-150	2
150-155	2
155-160	1
160-165	1
165-170	1
170-175	0
175-180	0

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	78
0- 20	360
0- 30	897
0- 40	1708
0- 50	2818
0- 60	4183
0- 70	5622
0- 80	6726
0- 90	7265
0-100	7304
0-110	7312
0-120	7320
0-130	7326
0-140	7332
0-150	7336
0-160	7339
0-170	7341
0-180	7342