

REPORT NUMBER: RAB04359

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ISSUE DATE: 05/09/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T66N/480 - RWLED3T66N/480 - RWLED3T66SFN/480 -
WPLED3T66N/480 (TYPE III)

LUMINAIRE: CAST FINNED METAL HOUSING, 6 CIRCUIT BOARDS EACH WITH 1 LED,
MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER LED,
CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL LENS FRAME.

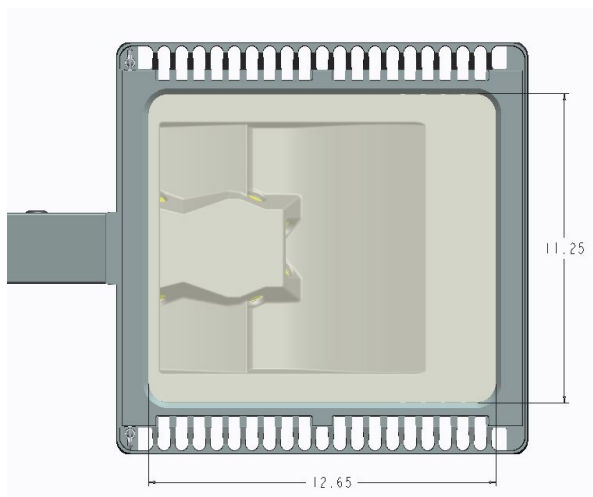
LAMPS: SIX WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), 2 LEDs TILTED
63-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 75-DEGREES FROM
STRAIGHT AHEAD, 2 LEDs TILTED 67-DEGREES FROM VERTICAL BASE-UP POSITION
AND CANTED 68-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 58-DEGREES FROM
VERTICAL BASE-UP POSITION AND CANTED 40-DEGREES FROM STRAIGHT AHEAD.

ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04359 WHICH WAS
ALED3T66Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 67.1 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: RDD-H65-36A-A1400-480

NOTE: LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE



Checked X.CAO

Approved D.WANG-MUNSON

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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

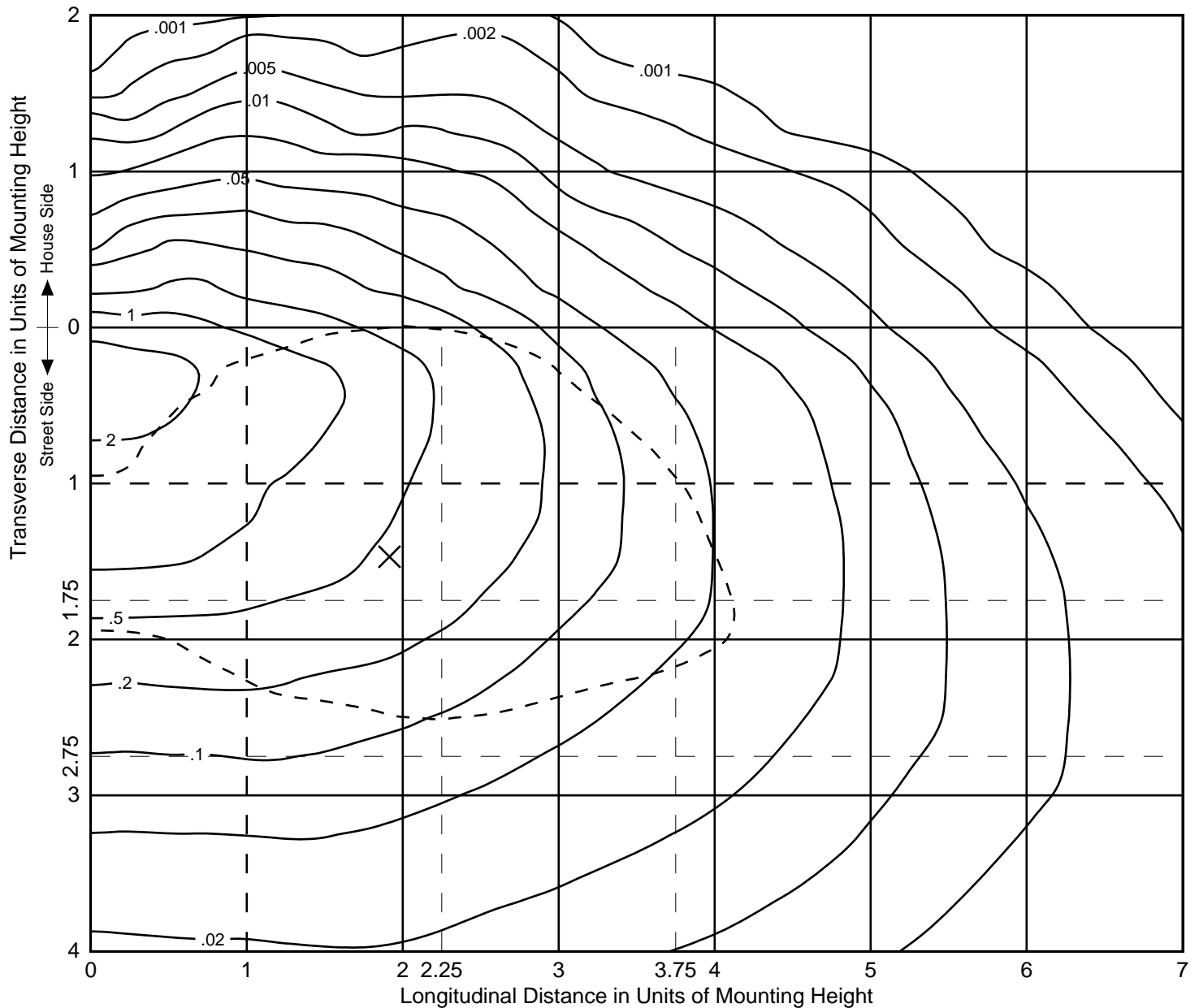
Values based on 25-foot mounting height

IES Classification: Short, Type III

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point



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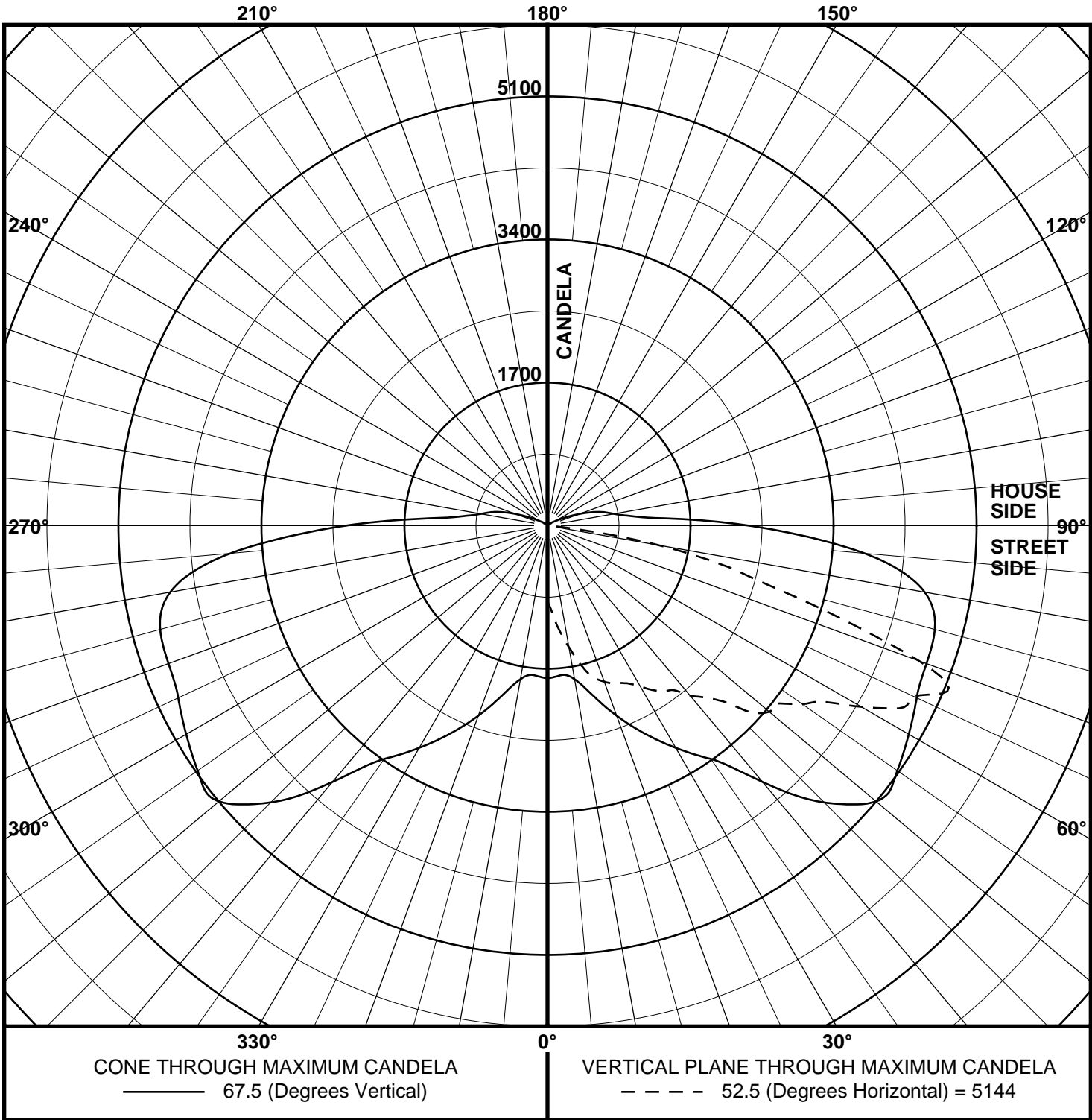
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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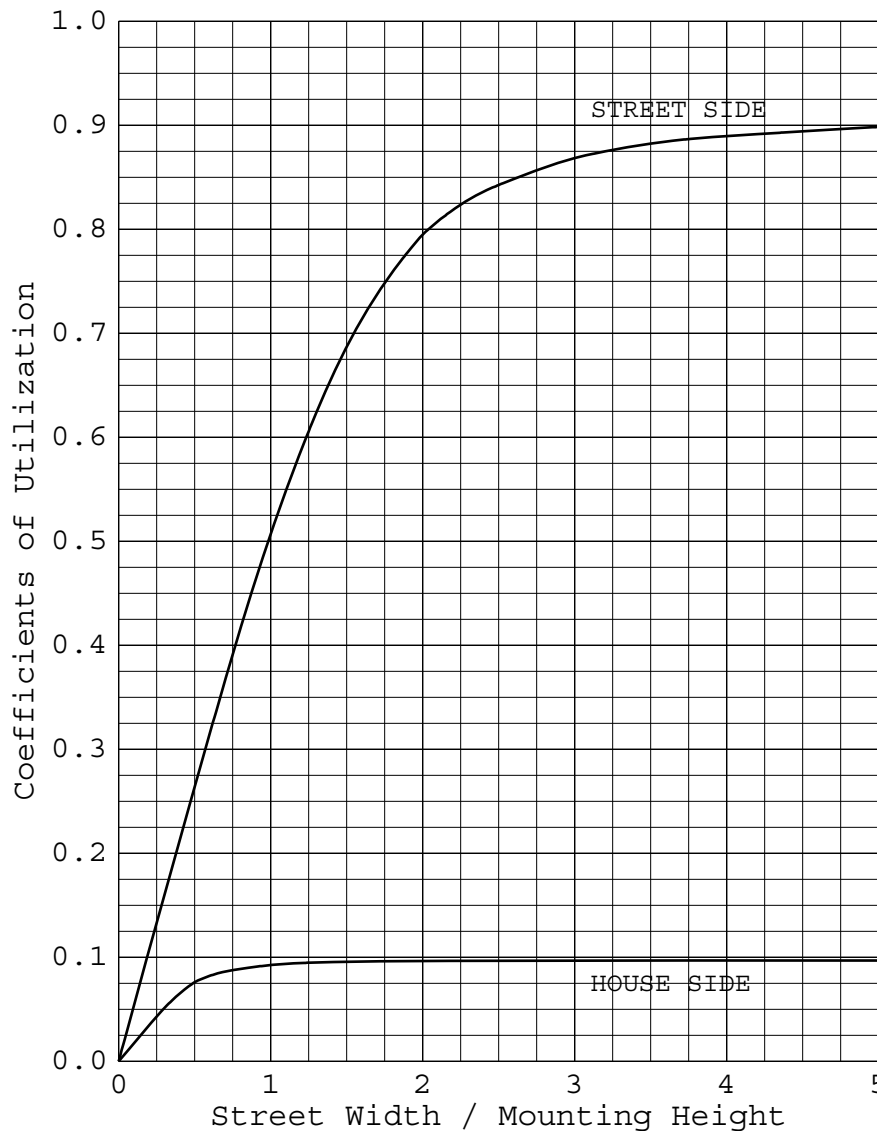
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	7338	90.2
DOWNWARD HOUSE SIDE	793	9.8
DOWNWARD TOTAL	8131	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	8131	100.0

EFFICACY = 121.2 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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BUG Rating			B1U0G2				
Zonal Summary			Lumens	% of Fixture	Zone Ratings		
					B	U	G
Forward			7338	90.2			
FL	(0° – 30°)		785.1	9.7			
FM	(30° – 60°)		3468.8	42.7			
FH	(60° – 80°)		2972.7	36.6			G2
FVH	(80° – 90°)		110.9	1.4			G2
Backward			793	9.8			
BL	(0° – 30°)		185.3	2.3	B1		
BM	(30° – 60°)		408.8	5.0	B1		
BH	(60° – 80°)		195.0	2.4	B1		G1
BVH	(80° – 90°)		4.3	0.1			G0
Upward			0	0.0			
UL	(90° – 100°)		0.0	0.0		U0	
UH	(100° – 180°)		0.0	0.0		U0	
Trapped Light			0	0.0			
Total Flux			8131	100.0			

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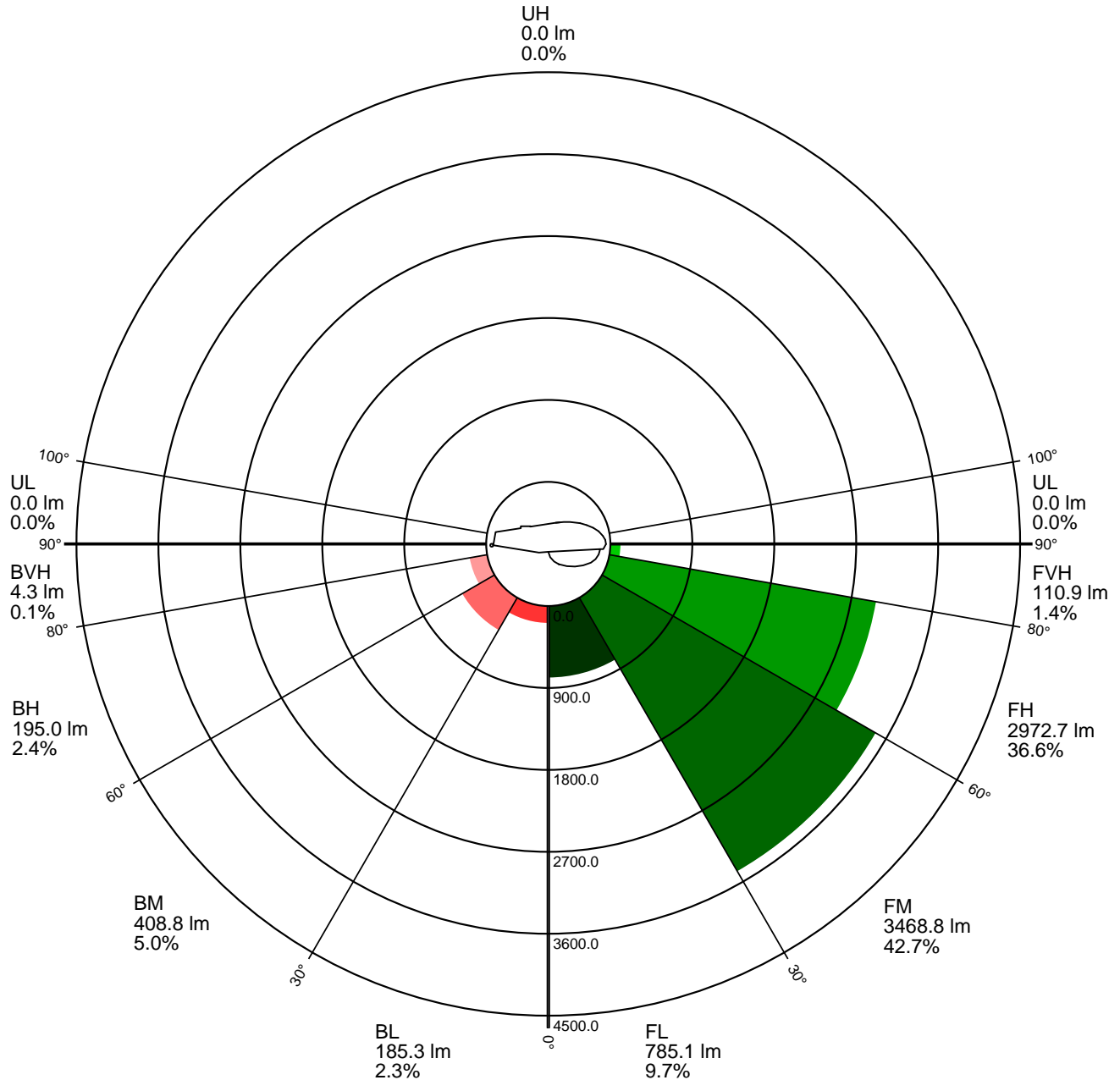
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Zonal Lumen Summary

(Linear scale)



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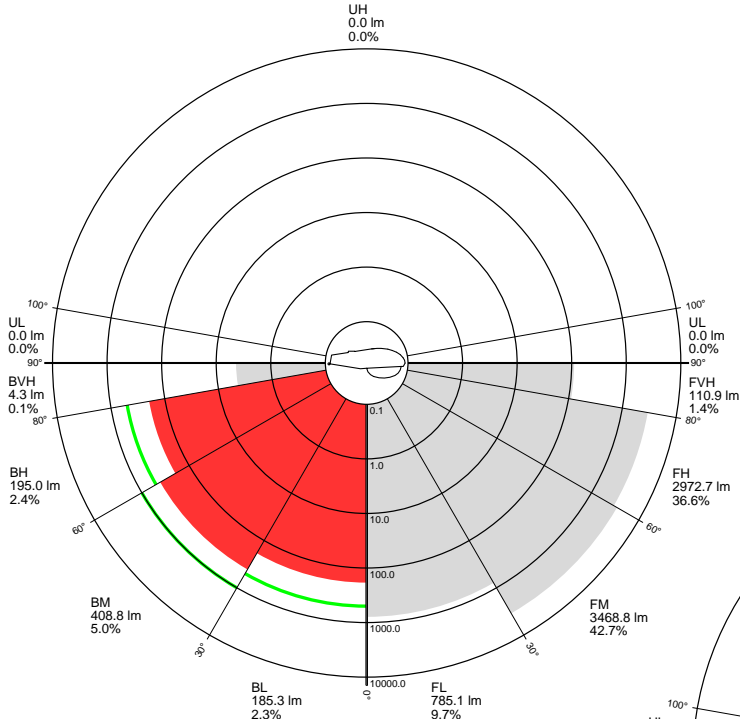
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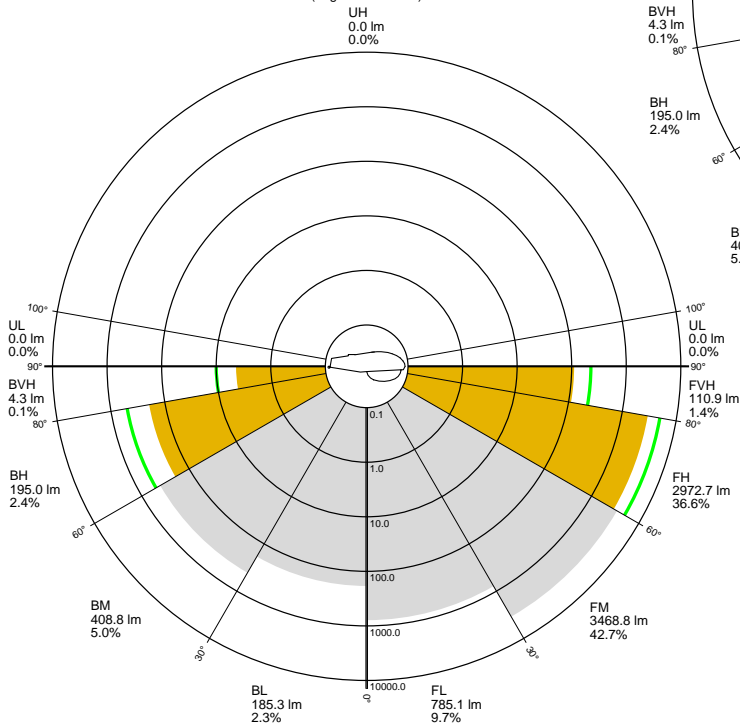
Backlight Rating Details

(Logarithmic scale)



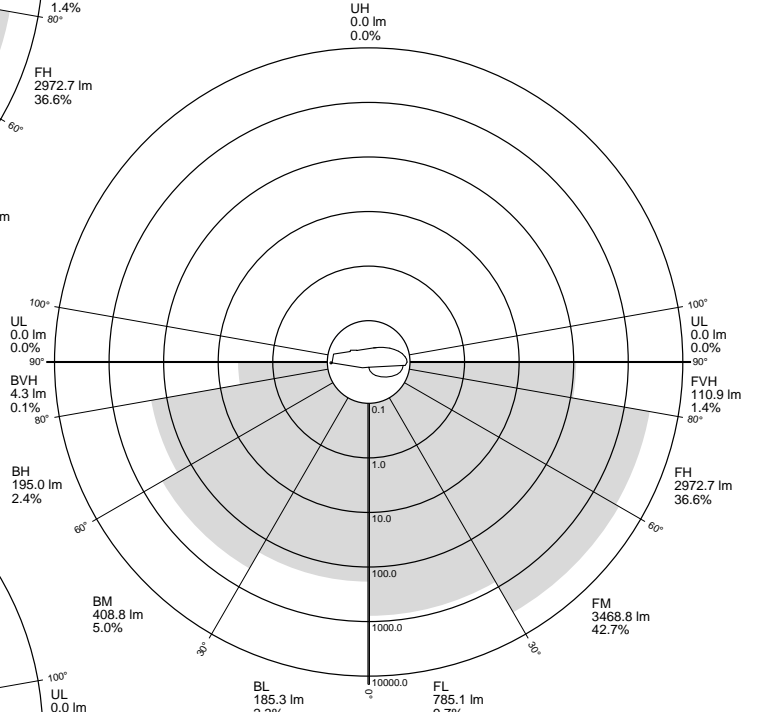
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET SIDE										
	0.0	5.0	15.0	25.0	35.0	45.0	52.5	55.0	65.0	75.0	85.0
180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
92.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.5	1.	2.	2.	3.	6.	8.	9.	9.	11.	8.	7.
85.0	10.	10.	24.	46.	57.	97.	84.	79.	125.	94.	16.
V 82.5	34.	63.	153.	205.	278.	370.	519.	561.	799.	557.	117.
E 80.0	110.	171.	307.	497.	655.	1062.	1353.	1450.	1598.	1159.	524.
R 77.5	413.	484.	650.	1060.	1275.	1663.	2100.	2215.	2662.	2041.	1290.
T 75.0	883.	917.	1114.	1551.	1859.	2310.	2701.	2787.	3464.	2796.	1697.
I 72.5	1274.	1264.	1462.	1953.	2339.	3058.	3640.	3719.	4426.	3662.	2217.
C 70.0	1509.	1504.	1753.	2333.	2776.	3930.	4697.	4881.	4818.	4532.	3120.
A 67.5<<	1818.	1785.	2090.	2725.	3385.	4651.	5144.	5077.	4843.	4765.	3782.
L 65.0	2096.	2045.	2416.	3143.	4033.	5073.	4809.	4716.	4685.	4883.	4105.
62.5	2537.	2530.	2962.	3766.	4651.	4773.	4702.	4610.	4387.	4950.	4067.
A 60.0	3328.	3333.	3717.	4467.	4707.	4510.	4309.	4248.	4415.	4839.	3910.
N 57.5	3995.	4031.	4239.	4446.	4233.	4000.	3897.	3965.	4627.	4494.	3644.
G 55.0	4055.	4043.	4015.	3797.	3718.	3558.	3700.	3670.	4428.	4009.	3330.
L 52.5	3450.	3444.	3470.	3341.	3266.	3328.	3472.	3671.	3857.	3604.	2863.
E 50.0	3046.	3056.	3094.	2985.	2907.	3354.	3441.	3525.	3535.	3277.	2402.
47.5	2822.	2822.	2786.	2720.	2812.	3062.	3283.	3269.	3171.	3008.	2254.
45.0	2634.	2637.	2557.	2577.	2849.	2945.	2954.	2895.	2888.	2812.	2042.
42.5	2451.	2458.	2468.	2715.	2728.	2823.	2769.	2756.	2671.	2643.	1843.
40.0	2439.	2451.	2507.	2582.	2681.	2634.	2635.	2597.	2502.	2501.	1702.
37.5	2310.	2290.	2370.	2632.	2505.	2565.	2464.	2411.	2345.	2273.	1622.
35.0	2321.	2331.	2455.	2517.	2530.	2498.	2403.	2351.	2329.	2135.	1539.
32.5	2471.	2443.	2377.	2405.	2508.	2421.	2316.	2288.	2302.	2145.	1506.
30.0	2444.	2420.	2350.	2382.	2389.	2267.	2207.	2207.	2253.	2103.	1484.
25.0	2531.	2509.	2326.	2237.	2147.	2095.	2064.	2071.	2043.	1747.	1287.
20.0	2365.	2362.	2231.	2099.	2024.	1994.	1973.	1951.	1799.	1497.	1129.
15.0	2112.	2112.	2072.	1993.	1930.	1867.	1796.	1772.	1565.	1272.	1005.
10.0	1929.	1925.	1927.	1837.	1742.	1581.	1466.	1438.	1268.	1082.	910.
5.0	1417.	1404.	1403.	1359.	1309.	1226.	1163.	1149.	1049.	970.	899.
0.0	892.	892.	892.	892.	892.	892.	892.	892.	892.	892.	892.

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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	92.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	6.	6.	6.	6.	6.	5.	4.	3.	3.	3.
	85.0	9.	8.	7.	7.	5.	5.	4.	3.	2.	2.
V	82.5	47.	28.	13.	9.	6.	4.	4.	3.	3.	3.
E	80.0	269.	134.	32.	19.	7.	4.	3.	3.	3.	3.
R	77.5	667.	342.	74.	30.	10.	4.	3.	3.	4.	4.
T	75.0	954.	480.	141.	38.	21.	8.	4.	3.	4.	3.
I	72.5	1332.	670.	198.	94.	52.	12.	8.	4.	5.	5.
C	70.0	1930.	965.	465.	161.	57.	14.	14.	5.	6.	6.
A	67.5<<	2393.	1133.	629.	219.	64.	24.	10.	6.	6.	6.
L	65.0	2564.	1194.	625.	275.	75.	45.	22.	7.	5.	6.
	62.5	2676.	1230.	660.	336.	97.	64.	43.	13.	7.	5.
A	60.0	2433.	1236.	731.	389.	125.	91.	52.	20.	8.	5.
N	57.5	2323.	1231.	715.	379.	157.	113.	60.	25.	11.	5.
G	55.0	2158.	1266.	668.	393.	190.	123.	69.	33.	14.	6.
L	52.5	1946.	1248.	591.	407.	252.	130.	77.	39.	18.	7.
E	50.0	1757.	1238.	582.	467.	323.	158.	83.	44.	23.	30.
	47.5	1658.	1156.	622.	419.	311.	172.	100.	50.	30.	38.
	45.0	1567.	1119.	620.	424.	295.	183.	112.	62.	44.	36.
	42.5	1501.	1135.	647.	421.	318.	198.	121.	100.	60.	36.
	40.0	1406.	1186.	706.	426.	339.	208.	131.	88.	74.	49.
	37.5	1340.	1169.	940.	480.	337.	220.	147.	95.	82.	62.
	35.0	1288.	1130.	947.	631.	385.	276.	164.	109.	83.	66.
	32.5	1262.	1098.	844.	617.	465.	319.	189.	115.	85.	68.
	30.0	1199.	1045.	784.	548.	384.	300.	250.	125.	87.	69.
	25.0	1068.	937.	707.	552.	367.	270.	201.	152.	111.	95.
	20.0	964.	861.	688.	578.	436.	298.	216.	171.	161.	154.
	15.0	881.	799.	691.	583.	510.	449.	365.	289.	253.	216.
	10.0	832.	771.	677.	614.	555.	517.	488.	453.	416.	387.
	5.0	860.	831.	767.	717.	674.	636.	617.	593.	581.	571.
	0.0	892.	892.	892.	892.	892.	892.	892.	892.	892.	892.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	22
5- 10	70
10- 15	127
15- 20	185
20- 25	248
25- 30	318
30- 35	394
35- 40	458
40- 45	539
45- 50	650
50- 55	818
55- 60	1018
60- 65	1056
65- 70	978
70- 75	731
75- 80	402
80- 85	109
85- 90	6
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
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	92
0- 20	404
0- 30	970
0- 40	1822
0- 50	3012
0- 60	4848
0- 70	6883
0- 80	8016
0- 90	8131
0-100	8131
0-110	8131
0-120	8131
0-130	8131
0-140	8131
0-150	8131
0-160	8131
0-170	8131
0-180	8131