

REPORT NUMBER: PRORATED FROM RAB04363

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ISSUE DATE: 05/09/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T105Y/480 - RWLED2T105Y/480 - RWLED2T105SFY/480 -
WPLED2T105Y/480 (TYPE II)

LUMINAIRE: CAST FINNED METAL HOUSING, 6 CHIP ON BOARD LIGHT EMITTING DIODES,
MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, CLEAR GLASS LENS IN CAST
BRONZE PAINTED METAL 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.

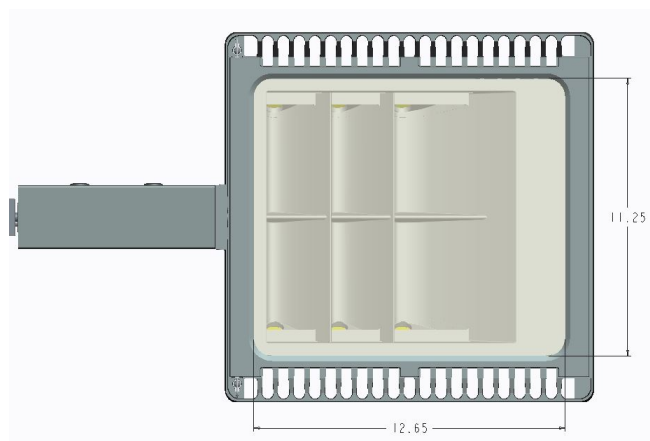
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04363 WHICH WAS
ALED2T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 109 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: 2 x RDD-H65-36A-A1400-480

PROCEDURE: TEST PROCEDURE: IESNA LM-79-08

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

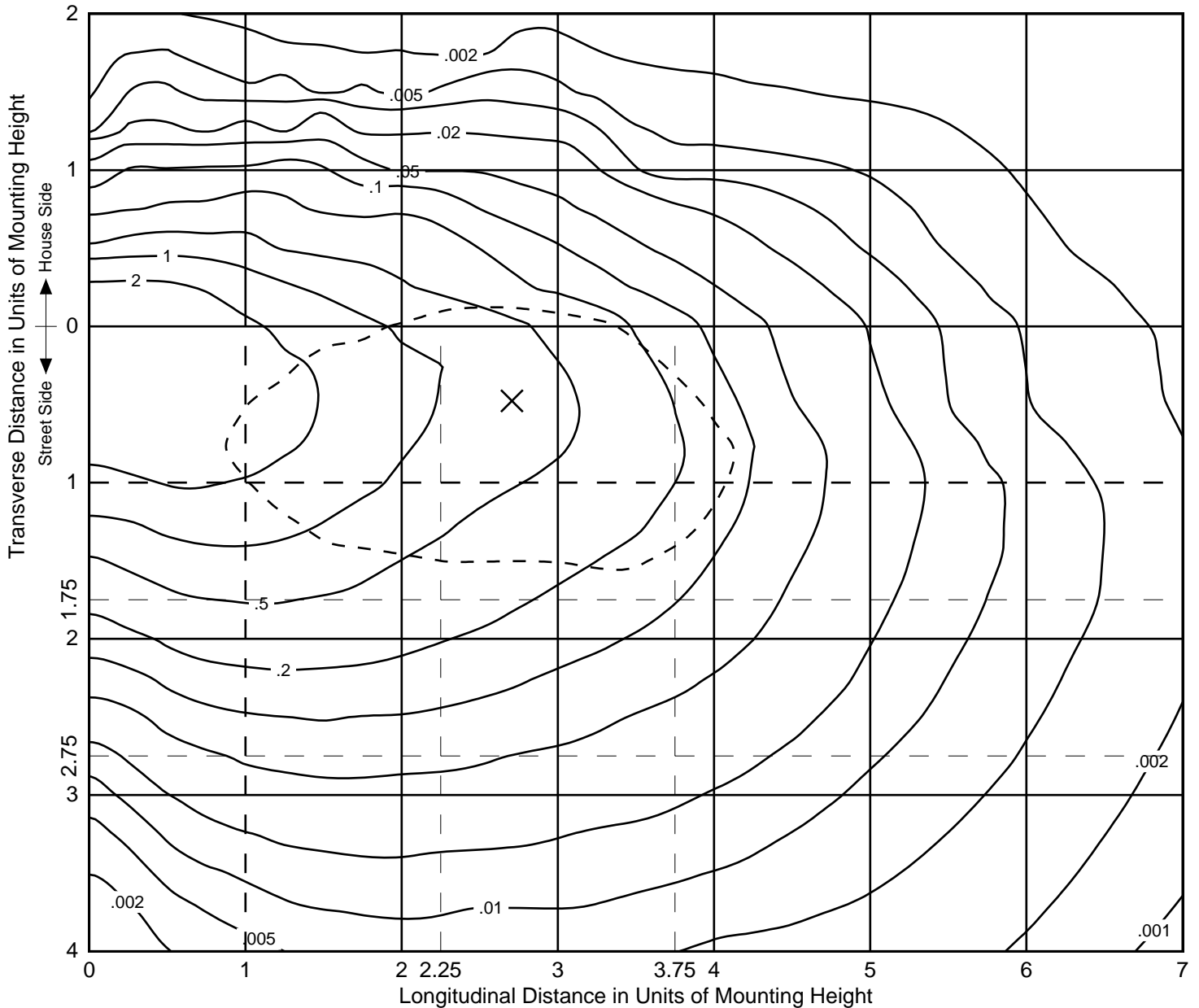
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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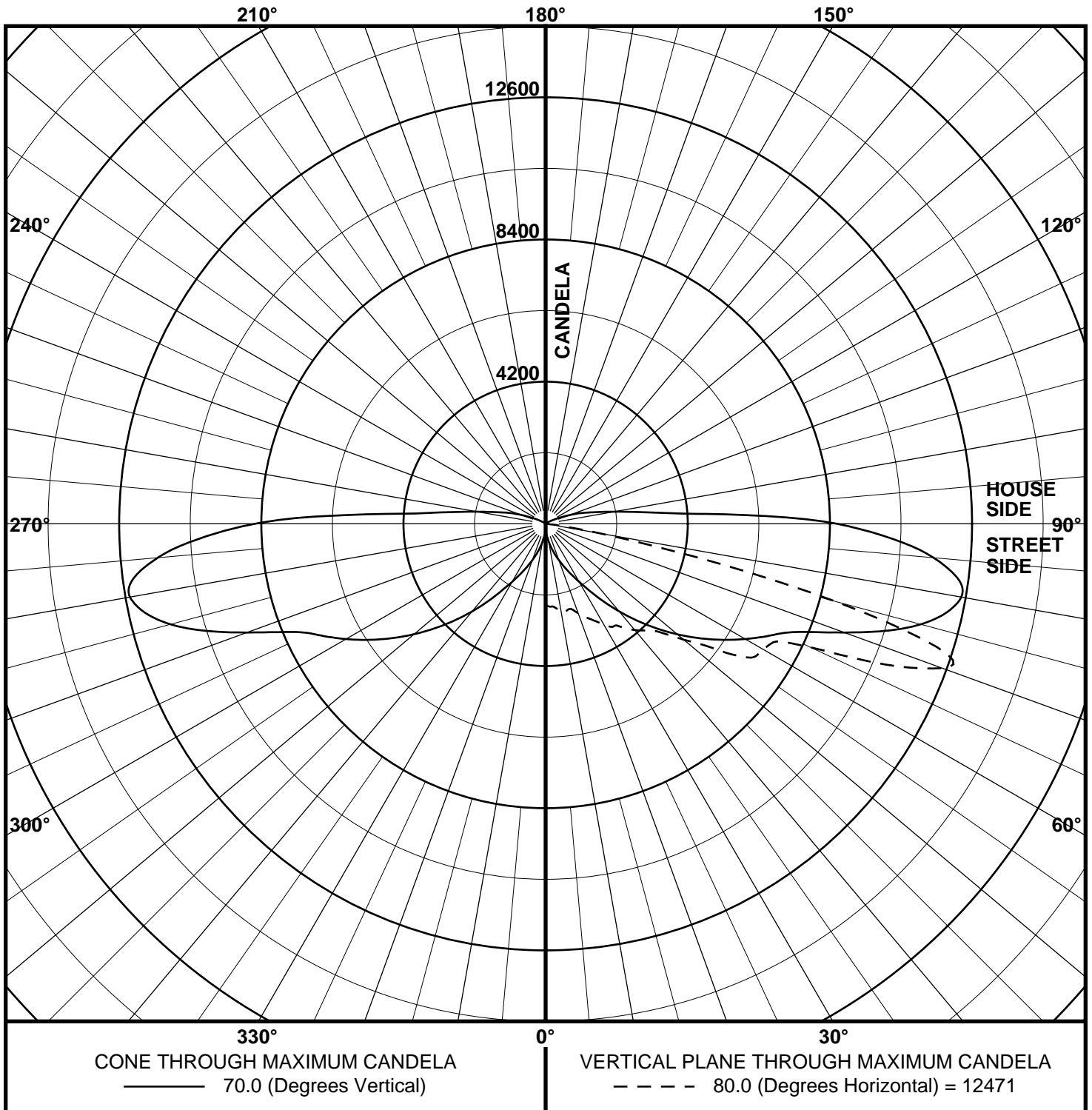
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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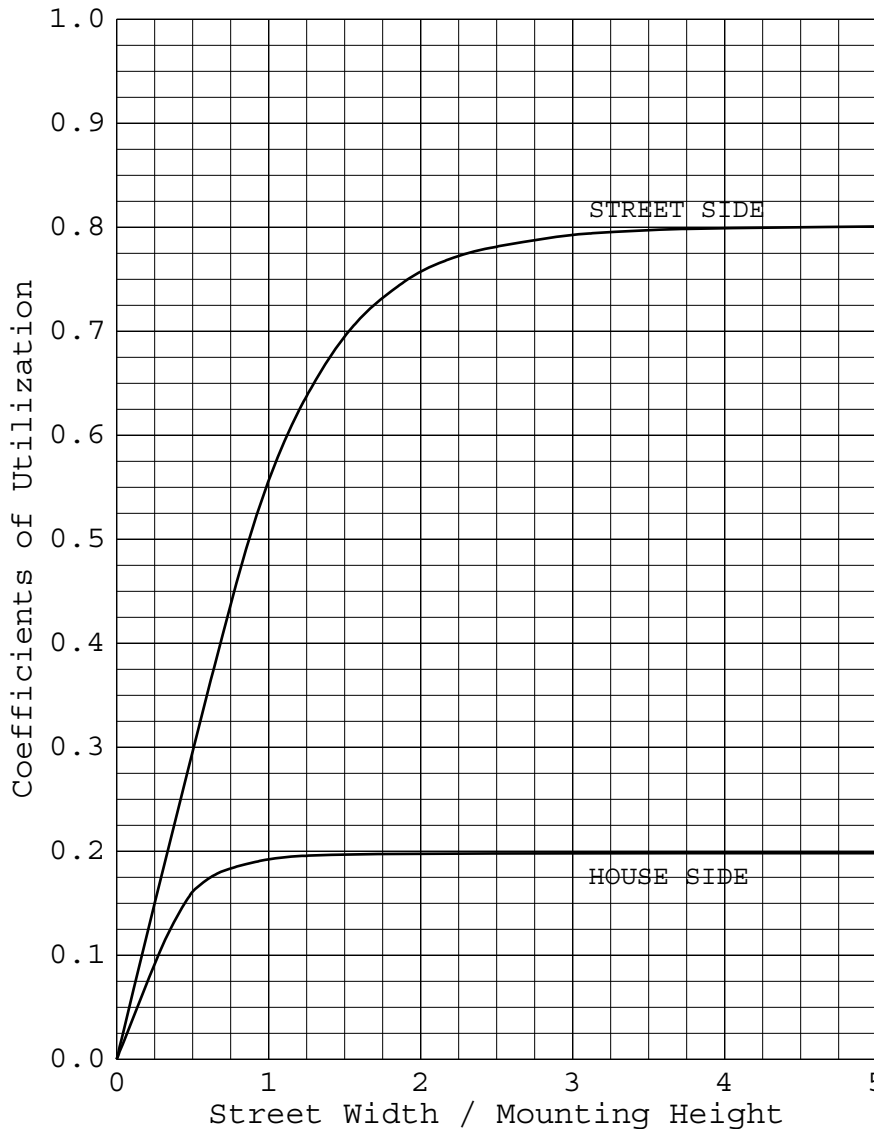
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	10786	80.1
DOWNWARD HOUSE SIDE	2674	19.9
DOWNWARD TOTAL	13460	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	13460	100.0

EFFICACY = 123.5 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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BUG Rating			B2 U0 G2		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	10786			
FM	(30° – 60°)	1195.9			
FH	(60° – 80°)	5246.7			
FVH	(80° – 90°)	4266.4			G2
		76.5			G1
Backward					
BL	(0° – 30°)	2674			
BM	(30° – 60°)	746.4	B2		
BH	(60° – 80°)	1272.0	B2		
BVH	(80° – 90°)	644.1	B2		G2
		11.7			G1
Upward					
UL	(90° – 100°)	0		U0	
UH	(100° – 180°)	0.0		U0	
Trapped Light					
Total Flux					
		0			
		13460			
		100.0			

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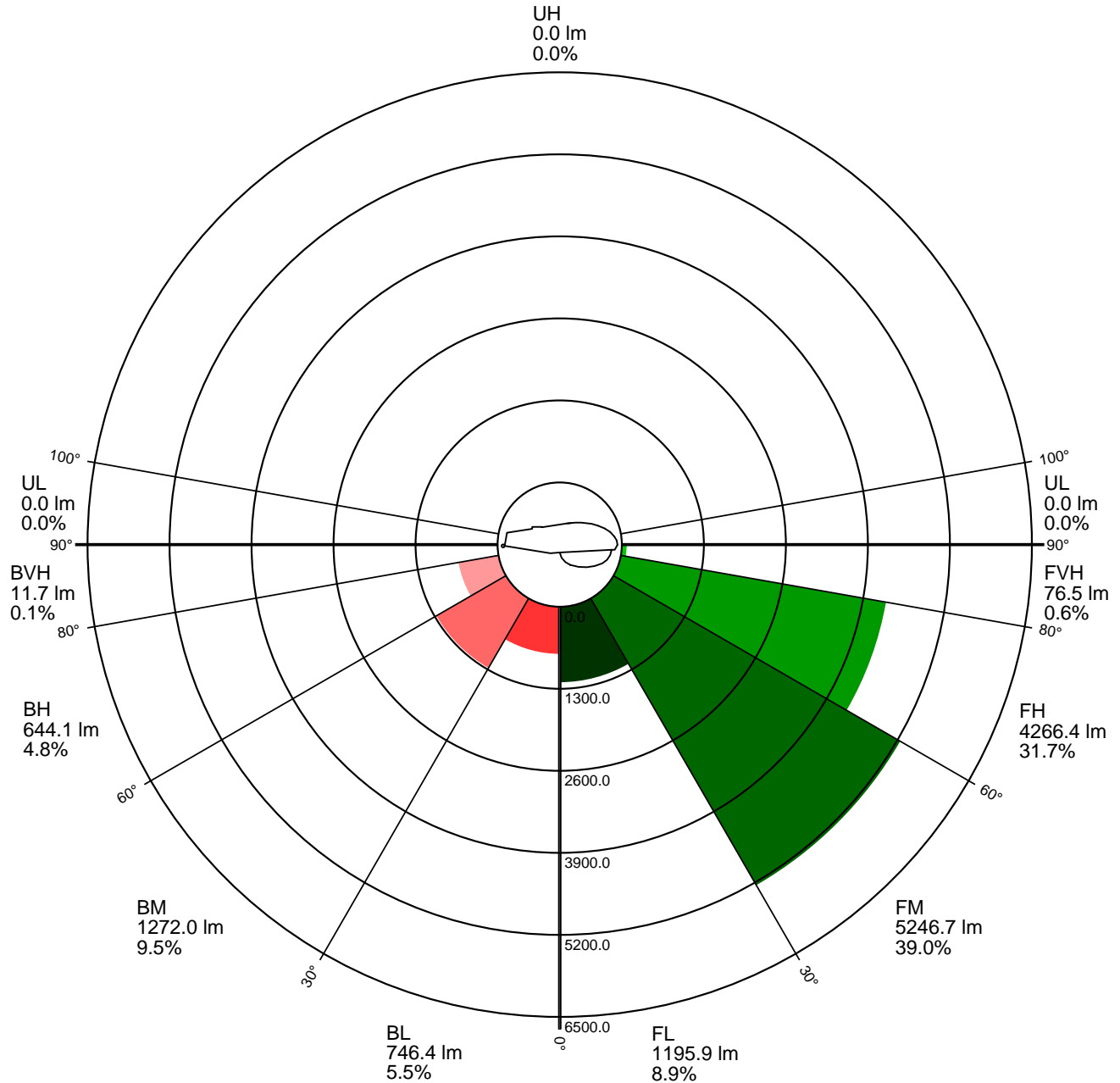
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Zonal Lumen Summary

(Linear scale)



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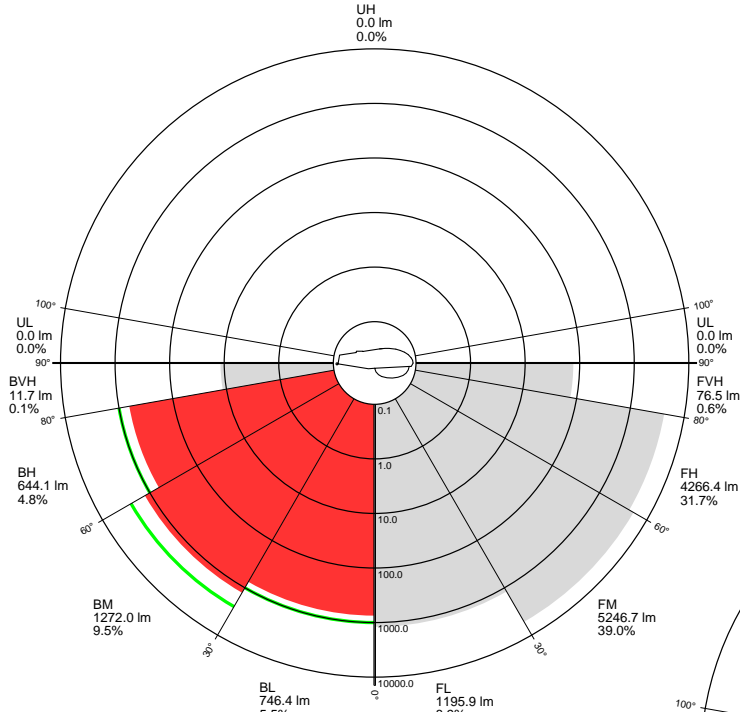
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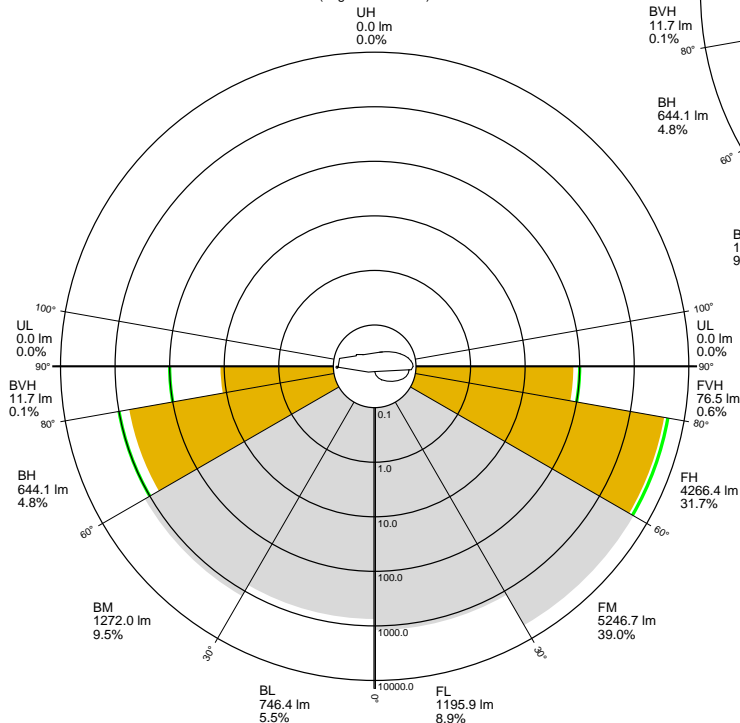
Backlight Rating Details

(Logarithmic scale)



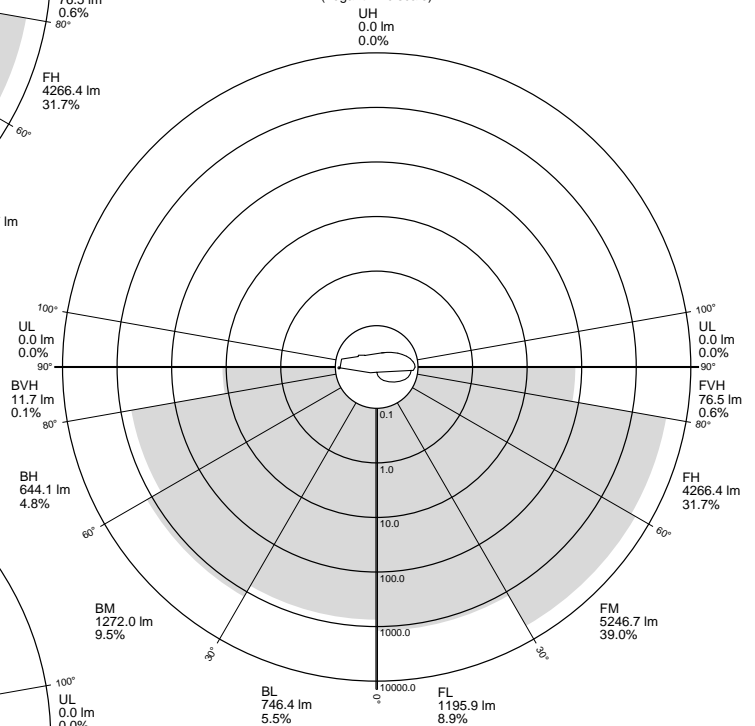
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET	LATERAL ANGLE										
		SIDE	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	80.0
	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.	1.	2.	4.	6.	9.	11.	25.	14.	18.	10.
	85.0	3.	2.	6.	6.	10.	20.	69.	40.	49.	58.	44.
V	82.5	8.	6.	10.	16.	58.	171.	296.	365.	468.	401.	253.
E	80.0	17.	11.	26.	135.	262.	501.	1039.	1494.	1714.	1591.	879.
R	77.5	27.	25.	115.	356.	610.	1283.	2358.	3998.	4691.	4568.	2828.
T	75.0	40.	67.	296.	677.	1206.	2168.	3626.	6204.	9032.	8875.	6396.
I	72.5	96.	175.	552.	1091.	1843.	3137.	5020.	6827.	11470.	12129.	9781.
C	70.0<<	210.	339.	824.	1521.	2604.	4213.	5949.	7664.	11480.	12471.	11508.
A	67.5	462.	518.	1133.	2088.	3429.	5188.	6458.	8508.	9752.	10870.	10408.
L	65.0	752.	774.	1586.	2708.	4213.	5803.	6902.	8751.	8827.	8646.	8655.
	62.5	1008.	1089.	2036.	3260.	4631.	6060.	7206.	8729.	8312.	7581.	6949.
A	60.0	1255.	1422.	2360.	3519.	4864.	6080.	7331.	8644.	8192.	7425.	6657.
N	57.5	1521.	1701.	2555.	3711.	4873.	6031.	7389.	7993.	7799.	7318.	6325.
G	55.0	1823.	1951.	2606.	3725.	4830.	6157.	7306.	7638.	7141.	6730.	5969.
L	52.5	2141.	2228.	2760.	3858.	5071.	6268.	7005.	7122.	6260.	5885.	5159.
E	50.0	2433.	2481.	2966.	4105.	5229.	6202.	6815.	6618.	5623.	5325.	4581.
	47.5	2698.	2752.	3239.	4235.	5195.	5807.	6362.	5938.	5200.	4824.	4380.
	45.0	2877.	2962.	3420.	4269.	5026.	5369.	5482.	5388.	4908.	4470.	4189.
	42.5	3007.	3103.	3491.	4117.	4649.	5022.	4917.	4815.	4549.	4276.	4090.
	40.0	3059.	3113.	3446.	3820.	4332.	4714.	4625.	4405.	4247.	4096.	3921.
	37.5	3011.	3031.	3366.	3572.	3995.	4375.	4318.	4186.	4094.	3890.	3683.
	35.0	2876.	2885.	3145.	3288.	3639.	3891.	4052.	4142.	3881.	3669.	3476.
	32.5	2785.	2801.	3026.	3069.	3316.	3557.	3812.	3975.	3783.	3612.	3477.
	30.0	2729.	2770.	2954.	2996.	3216.	3366.	3585.	3672.	3524.	3445.	3387.
	25.0	2635.	2644.	2744.	2884.	2849.	2974.	3153.	3186.	3143.	3102.	3067.
	20.0	2513.	2520.	2595.	2799.	2833.	2860.	2814.	2850.	2830.	2815.	2736.
	15.0	2590.	2576.	2603.	2698.	2798.	2807.	2780.	2748.	2690.	2618.	2594.
	10.0	2515.	2520.	2540.	2556.	2591.	2643.	2697.	2698.	2673.	2649.	2625.
	5.0	2464.	2468.	2479.	2474.	2475.	2469.	2466.	2459.	2476.	2453.	2448.
	0.0	2414.	2414.	2414.	2414.	2414.	2414.	2414.	2414.	2414.	2414.	2414.

||
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	9.	7.	8.	6.	6.	6.	5.	3.	3.	2.
	85.0	26.	15.	10.	8.	7.	7.	7.	5.	3.	3.
V	82.5	191.	64.	61.	19.	11.	8.	7.	9.	9.	7.
E	80.0	791.	446.	189.	66.	29.	10.	10.	11.	10.	8.
R	77.5	2300.	1189.	191.	60.	28.	10.	10.	10.	10.	9.
T	75.0	4655.	2014.	265.	84.	29.	16.	9.	10.	10.	9.
I	72.5	7259.	2803.	1032.	234.	34.	18.	9.	10.	10.	8.
C	70.0<<	8608.	3583.	1294.	355.	38.	19.	10.	11.	11.	9.
A	67.5	8290.	4343.	2019.	413.	61.	25.	13.	12.	12.	10.
L	65.0	7101.	4227.	2650.	519.	148.	31.	19.	15.	15.	12.
	62.5	6108.	4177.	2268.	674.	402.	79.	25.	21.	19.	15.
A	60.0	5708.	4379.	2228.	845.	649.	105.	36.	33.	40.	23.
N	57.5	5362.	4306.	2040.	893.	762.	238.	46.	39.	51.	25.
G	55.0	5088.	4249.	1919.	940.	733.	347.	90.	47.	60.	24.
L	52.5	4622.	4196.	2114.	1167.	747.	418.	202.	73.	82.	25.
E	50.0	4193.	3922.	2227.	1418.	787.	411.	291.	144.	69.	32.
	47.5	4063.	3797.	2284.	1518.	795.	416.	337.	222.	137.	80.
	45.0	3969.	3669.	2373.	1544.	835.	481.	326.	276.	234.	135.
	42.5	3852.	3495.	2519.	1602.	912.	537.	332.	272.	248.	169.
	40.0	3696.	3385.	2723.	1697.	1012.	604.	397.	266.	226.	179.
	37.5	3512.	3282.	2866.	1775.	1154.	698.	478.	345.	206.	182.
	35.0	3330.	3271.	2833.	1886.	1263.	829.	543.	429.	280.	216.
	32.5	3310.	3284.	2866.	2014.	1380.	950.	645.	490.	350.	285.
	30.0	3214.	3189.	2783.	2139.	1523.	1057.	745.	550.	400.	364.
	25.0	2979.	2941.	2647.	2343.	1747.	1326.	982.	742.	593.	554.
	20.0	2724.	2702.	2519.	2254.	2007.	1647.	1368.	1098.	943.	891.
	15.0	2562.	2559.	2496.	2356.	2225.	2085.	1857.	1588.	1484.	1460.
	10.0	2597.	2591.	2539.	2467.	2356.	2235.	2117.	2012.	1962.	1937.
	5.0	2423.	2419.	2403.	2394.	2373.	2330.	2302.	2278.	2273.	2267.
	0.0	2414.	2414.	2414.	2414.	2414.	2414.	2414.	2414.	2414.	2414.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	58
5- 10	173
10- 15	285
15- 20	377
20- 25	469
25- 30	581
30- 35	704
35- 40	845
40- 45	1006
45- 50	1180
50- 55	1325
55- 60	1458
60- 65	1526
65- 70	1540
70- 75	1276
75- 80	569
80- 85	84
85- 90	4
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	230
0- 20	893
0- 30	1942
0- 40	3492
0- 50	5678
0- 60	8461
0- 70	11527
0- 80	13372
0- 90	13460
0-100	13460
0-110	13460
0-120	13460
0-130	13460
0-140	13460
0-150	13460
0-160	13460
0-170	13460
0-180	13460