

REPORT NUMBER: PRORATED FROM RAB04286

PAGE: 1 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T125 - RWLED2T125 - RWLED2T125SF - WPLED2T125 (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.

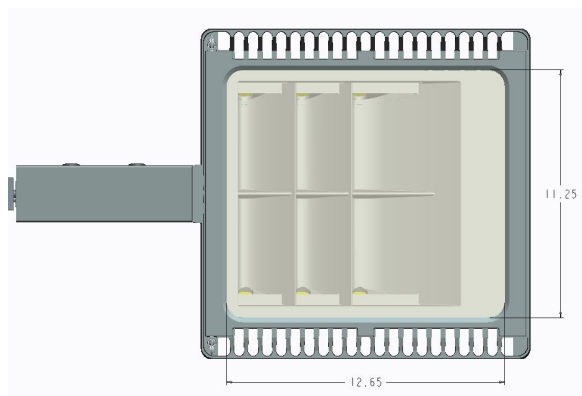
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04286 WHICH WAS ALED2T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 134.3 W AT 120.0 VAC.

LED DRIVER: LED DRIVER: RDD-160

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

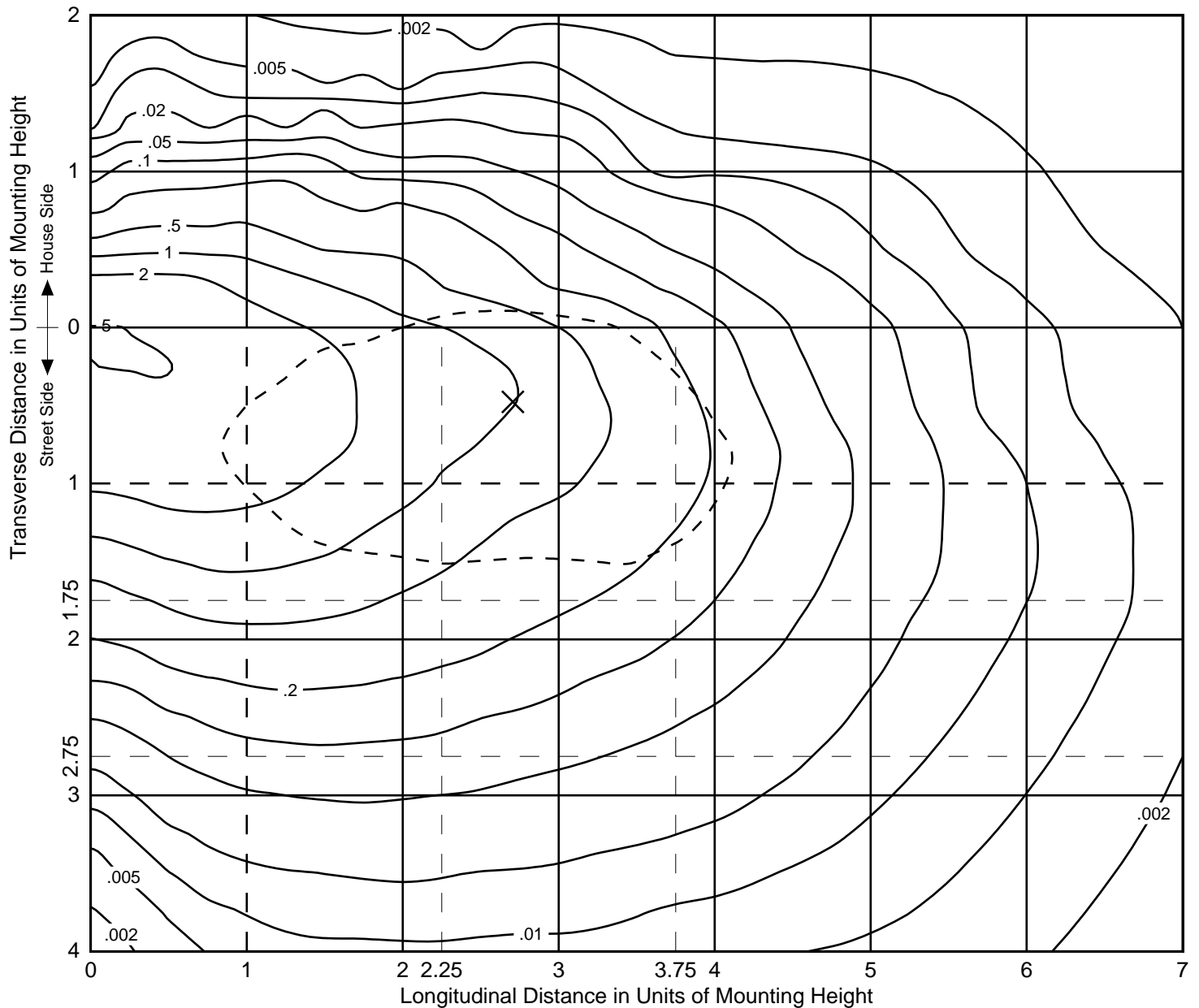
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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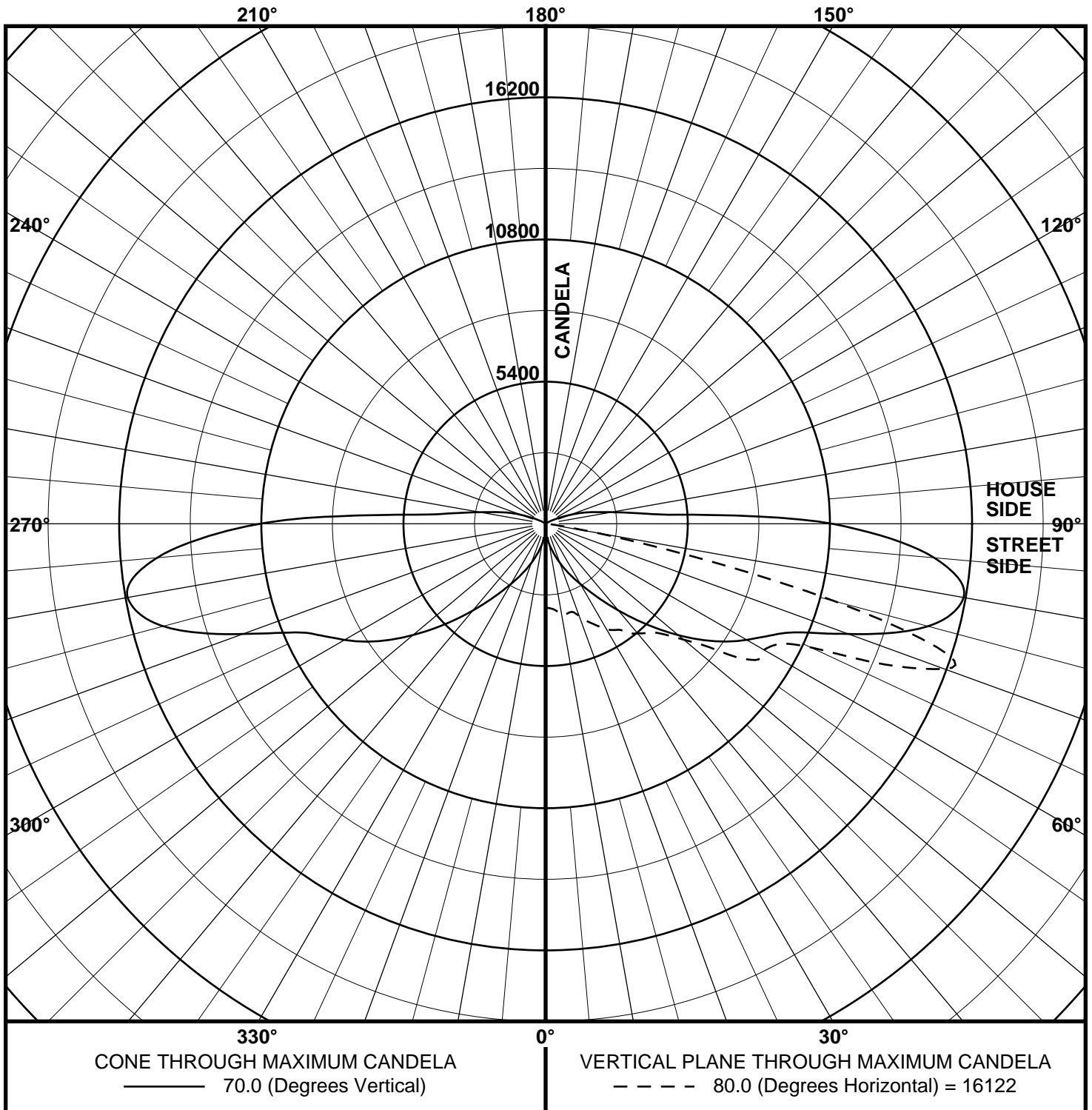
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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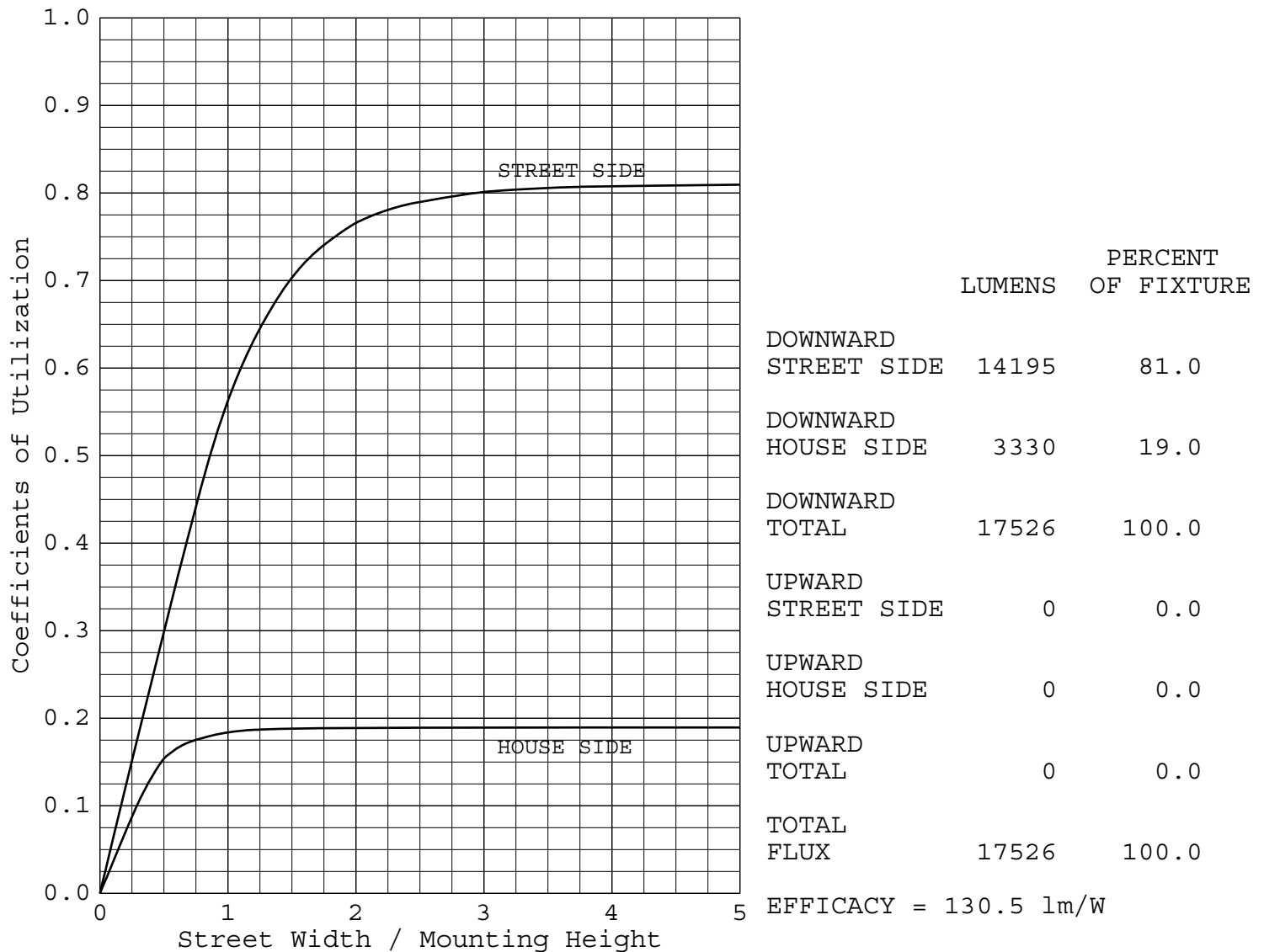
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



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 G3		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	14195			
FM	(30° – 60°)	1596.2			
FH	(60° – 80°)	6962.5			
FVH	(80° – 90°)	5540.1			G3
		96.7			G1
Backward					
BL	(0° – 30°)	3330			
BM	(30° – 60°)	19.0	B2		
BH	(60° – 80°)	932.1	B2		
BVH	(80° – 90°)	1587.1	B2		G2
		795.9			G1
		15.3			
Upward					
UL	(90° – 100°)	0		U0	
UH	(100° – 180°)	0.0		U0	
Trapped Light					
Total Flux					
		0			
		17526			
		100.0			

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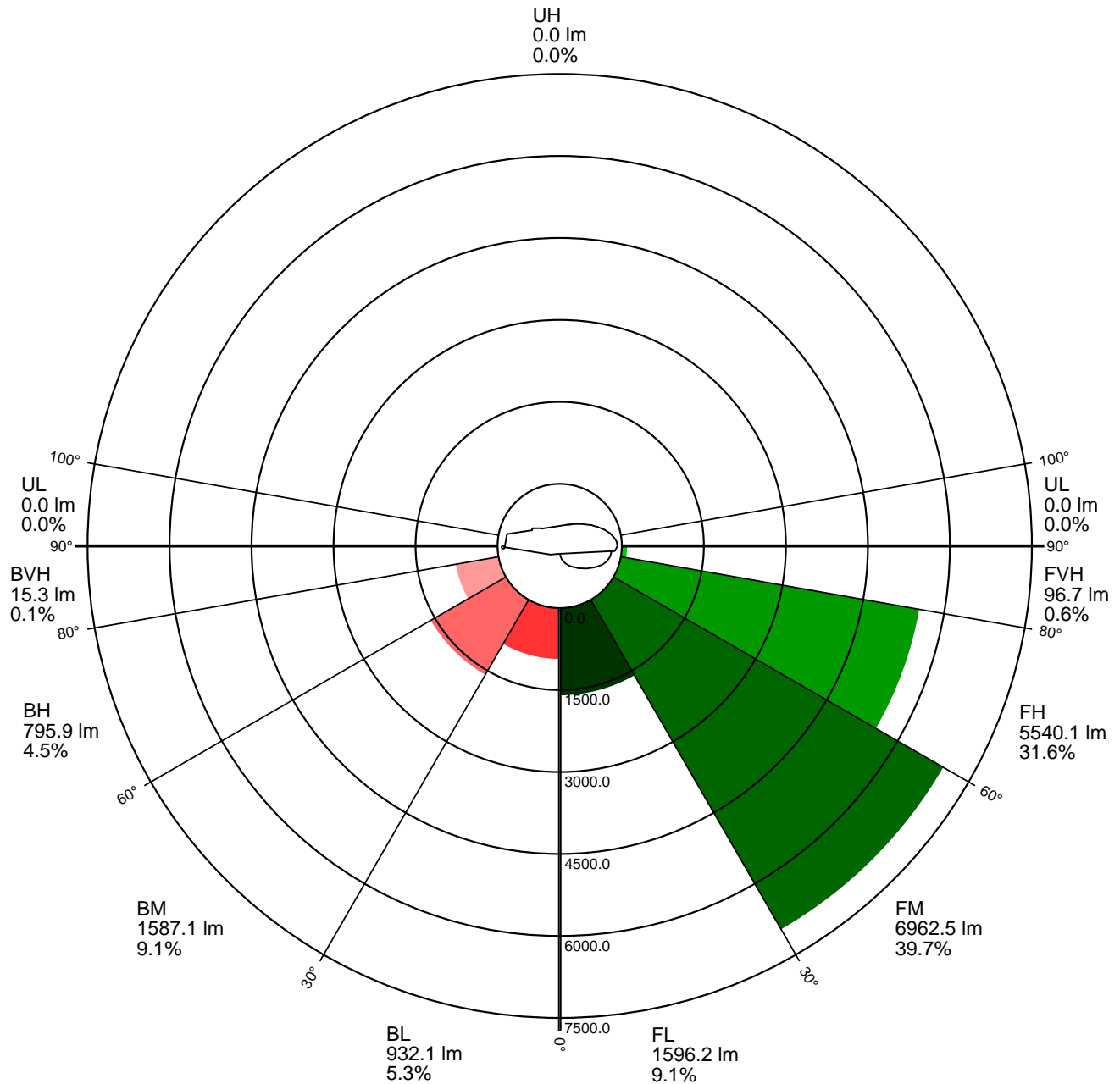
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Zonal Lumen Summary

(Linear scale)



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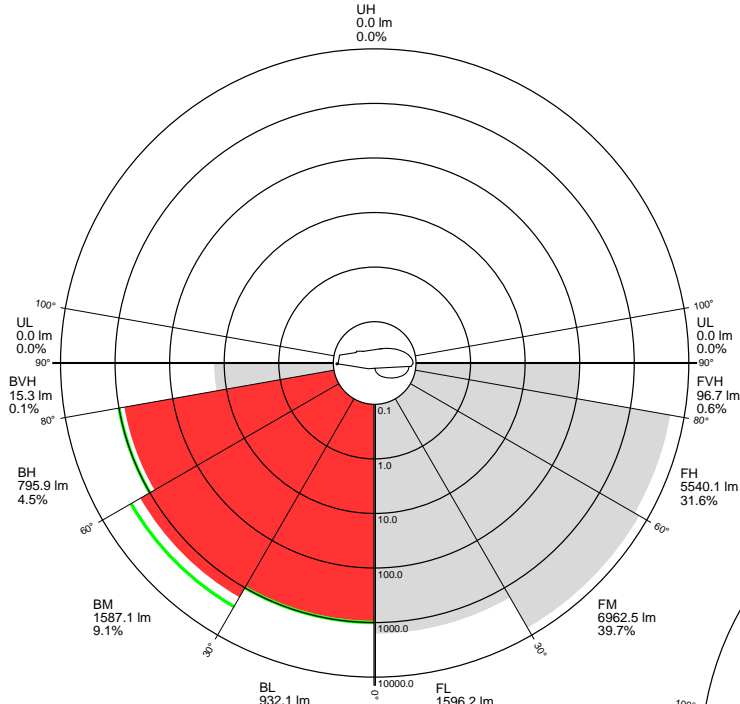
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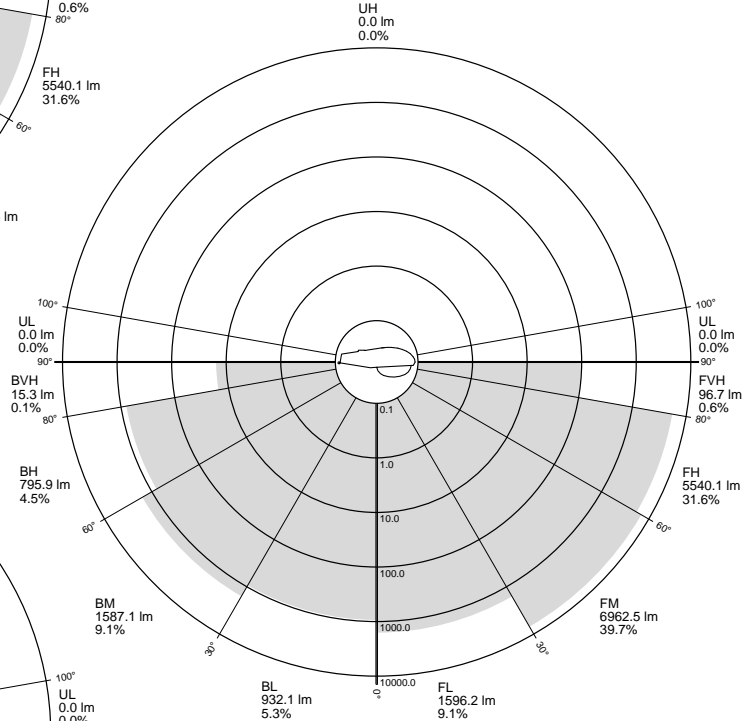
Backlight Rating Details

(Logarithmic scale)



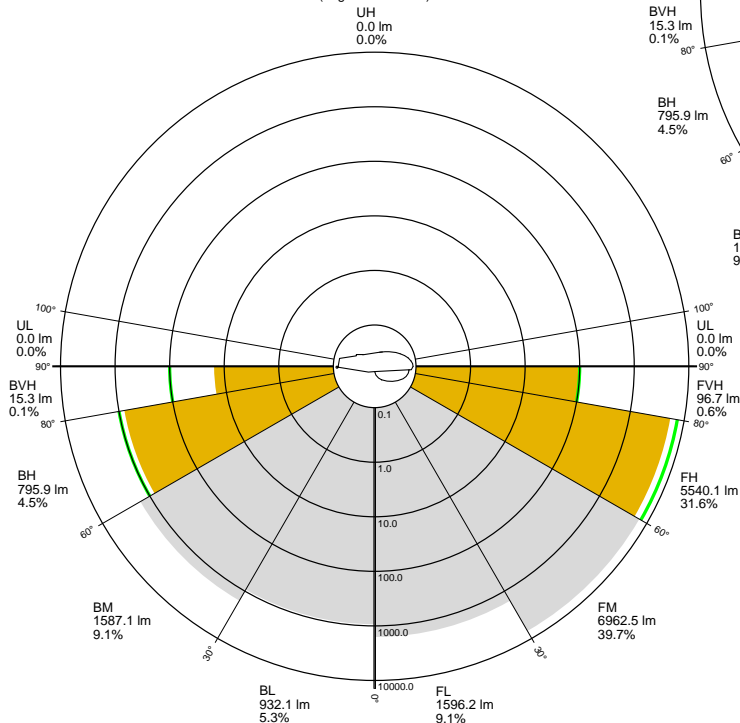
Uplight Rating Details

(Logarithmic scale)



Glare Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET SIDE										
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	80.0	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.	1.	3.	5.	9.	11.	14.	31.	20.	16.	12.
85.0	4.	3.	7.	8.	13.	26.	88.	53.	59.	64.	59.
V 82.5	10.	6.	14.	21.	84.	194.	384.	478.	553.	496.	322.
E 80.0	21.	16.	71.	185.	317.	617.	1368.	1817.	2250.	1900.	1151.
R 77.5	38.	39.	240.	438.	804.	1606.	3019.	4948.	6035.	5748.	3781.
T 75.0	66.	124.	467.	890.	1638.	2721.	4533.	7737.	11677.	11342.	8468.
I 72.5	161.	298.	799.	1475.	2456.	4013.	6289.	8710.	14759.	15586.	12893.
C 70.0<<	374.	532.	1151.	2076.	3370.	5386.	7774.	9857.	15040.	16122.	14816.
A 67.5	723.	765.	1596.	2756.	4373.	6693.	8456.	11075.	12597.	13973.	13348.
L 65.0	1133.	1118.	2144.	3516.	5406.	7593.	9125.	11592.	11675.	11112.	10849.
62.5	1509.	1565.	2704.	4283.	6086.	7964.	9370.	11592.	10696.	9920.	8978.
A 60.0	1848.	2030.	3189.	4719.	6480.	8134.	9672.	11173.	10343.	9582.	8510.
N 57.5	2142.	2417.	3440.	5035.	6517.	8044.	9825.	10306.	9942.	9587.	8189.
G 55.0	2525.	2724.	3615.	5049.	6536.	8146.	9688.	9836.	9394.	8808.	7690.
L 52.5	2910.	3036.	3698.	5245.	6709.	8324.	9247.	9286.	8311.	7586.	6829.
E 50.0	3331.	3371.	3960.	5464.	6965.	8212.	8901.	8558.	7465.	6849.	5997.
47.5	3650.	3730.	4293.	5670.	6974.	7713.	8282.	7787.	6718.	6261.	5730.
45.0	3902.	4010.	4546.	5699.	6763.	7178.	7227.	7085.	6354.	5849.	5538.
42.5	4083.	4204.	4663.	5532.	6246.	6724.	6435.	6359.	5868.	5633.	5413.
40.0	4158.	4239.	4654.	5135.	5829.	6184.	6159.	5875.	5529.	5441.	5212.
37.5	4094.	4124.	4582.	4814.	5327.	5829.	5781.	5663.	5374.	5257.	4989.
35.0	3968.	3962.	4243.	4382.	4924.	5309.	5491.	5582.	5102.	4915.	4701.
32.5	3821.	3831.	4088.	4164.	4513.	4850.	5224.	5336.	4984.	4787.	4627.
30.0	3713.	3774.	4038.	4079.	4384.	4561.	4890.	4903.	4680.	4632.	4518.
25.0	3533.	3578.	3713.	3898.	3865.	4033.	4178.	4190.	4185.	4183.	4059.
20.0	3380.	3384.	3483.	3740.	3778.	3806.	3702.	3772.	3803.	3728.	3655.
15.0	3415.	3394.	3441.	3561.	3685.	3701.	3677.	3685.	3561.	3488.	3432.
10.0	3330.	3330.	3358.	3373.	3455.	3525.	3562.	3556.	3527.	3488.	3464.
5.0	3263.	3268.	3278.	3278.	3288.	3273.	3272.	3268.	3291.	3256.	3233.
0.0	3182.	3182.	3182.	3182.	3182.	3182.	3182.	3182.	3182.	3182.	3182.

||
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.	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	11.	9.	10.	8.	7.	7.	6.	5.	4.	4.	4.
	85.0	29.	19.	14.	11.	10.	10.	8.	5.	5.	4.	4.
V	82.5	253.	108.	77.	26.	16.	12.	10.	12.	12.	11.	10.
E	80.0	1000.	541.	245.	90.	37.	13.	14.	16.	15.	12.	11.
R	77.5	2941.	1425.	239.	78.	36.	14.	14.	16.	15.	14.	12.
T	75.0	6129.	2389.	291.	117.	34.	23.	13.	15.	14.	13.	12.
I	72.5	9299.	3239.	1163.	292.	38.	27.	14.	14.	14.	12.	12.
C	70.0	10888.	4148.	1692.	460.	59.	27.	15.	16.	16.	12.	12.
A	67.5	10298.	5174.	2602.	597.	78.	30.	16.	16.	17.	13.	12.
L	65.0	8730.	5120.	3358.	721.	192.	43.	26.	20.	19.	16.	13.
	62.5	7666.	5163.	2835.	840.	467.	84.	36.	26.	23.	19.	16.
A	60.0	7305.	5397.	2668.	1069.	791.	122.	48.	45.	48.	27.	18.
N	57.5	6865.	5356.	2425.	1171.	983.	262.	63.	53.	65.	32.	18.
G	55.0	6473.	5376.	2271.	1273.	982.	429.	89.	62.	84.	32.	21.
L	52.5	5930.	5292.	2526.	1498.	942.	542.	226.	76.	96.	31.	25.
E	50.0	5341.	4989.	2677.	1789.	1010.	561.	358.	158.	68.	38.	29.
	47.5	5228.	4832.	2747.	1863.	1031.	546.	435.	273.	149.	90.	70.
	45.0	5188.	4700.	2862.	1854.	1059.	621.	446.	356.	295.	162.	130.
	42.5	5074.	4557.	3040.	1893.	1099.	704.	431.	369.	326.	212.	173.
	40.0	4894.	4378.	3333.	1990.	1194.	774.	500.	355.	311.	222.	188.
	37.5	4720.	4284.	3569.	2101.	1337.	854.	604.	418.	277.	223.	197.
	35.0	4446.	4249.	3577.	2261.	1441.	986.	678.	531.	336.	261.	234.
	32.5	4396.	4265.	3622.	2412.	1592.	1104.	773.	610.	424.	336.	306.
	30.0	4285.	4167.	3539.	2564.	1788.	1212.	871.	666.	480.	434.	408.
	25.0	3955.	3848.	3371.	2903.	2085.	1556.	1126.	840.	681.	632.	612.
	20.0	3610.	3567.	3227.	2857.	2449.	1960.	1598.	1281.	1101.	1047.	1008.
	15.0	3401.	3392.	3220.	3003.	2797.	2563.	2251.	1937.	1784.	1769.	1717.
	10.0	3422.	3413.	3298.	3170.	2999.	2839.	2670.	2521.	2451.	2379.	2357.
	5.0	3201.	3186.	3148.	3122.	3083.	3013.	2965.	2952.	2914.	2896.	2869.
	0.0	3182.	3182.	3182.	3182.	3182.	3182.	3182.	3182.	3182.	3182.	3182.

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	76
5- 10	225
10- 15	370
15- 20	487
20- 25	610
25- 30	760
30- 35	929
35- 40	1114
40- 45	1321
45- 50	1543
50- 55	1737
55- 60	1905
60- 65	1983
65- 70	1990
70- 75	1638
75- 80	726
80- 85	106
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	301
0- 20	1159
0- 30	2528
0- 40	4571
0- 50	7436
0- 60	11078
0- 70	15050
0- 80	17414
0- 90	17526
0-100	17526
0-110	17526
0-120	17526
0-130	17526
0-140	17526
0-150	17526
0-160	17526
0-170	17526
0-180	17526