

REPORT NUMBER: PRORATED FROM RAB04286

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ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T105Y - RWLED2T105Y - RWLED2T105SFY - WPLED2T105Y (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.

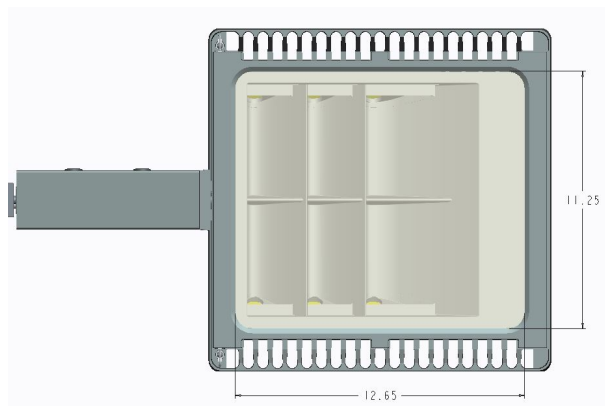
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04286 WHICH WAS ALED2T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 107.4 W AT 120.0 VAC.

LED DRIVER: LED DRIVER: 2 X RD-060-A1400

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

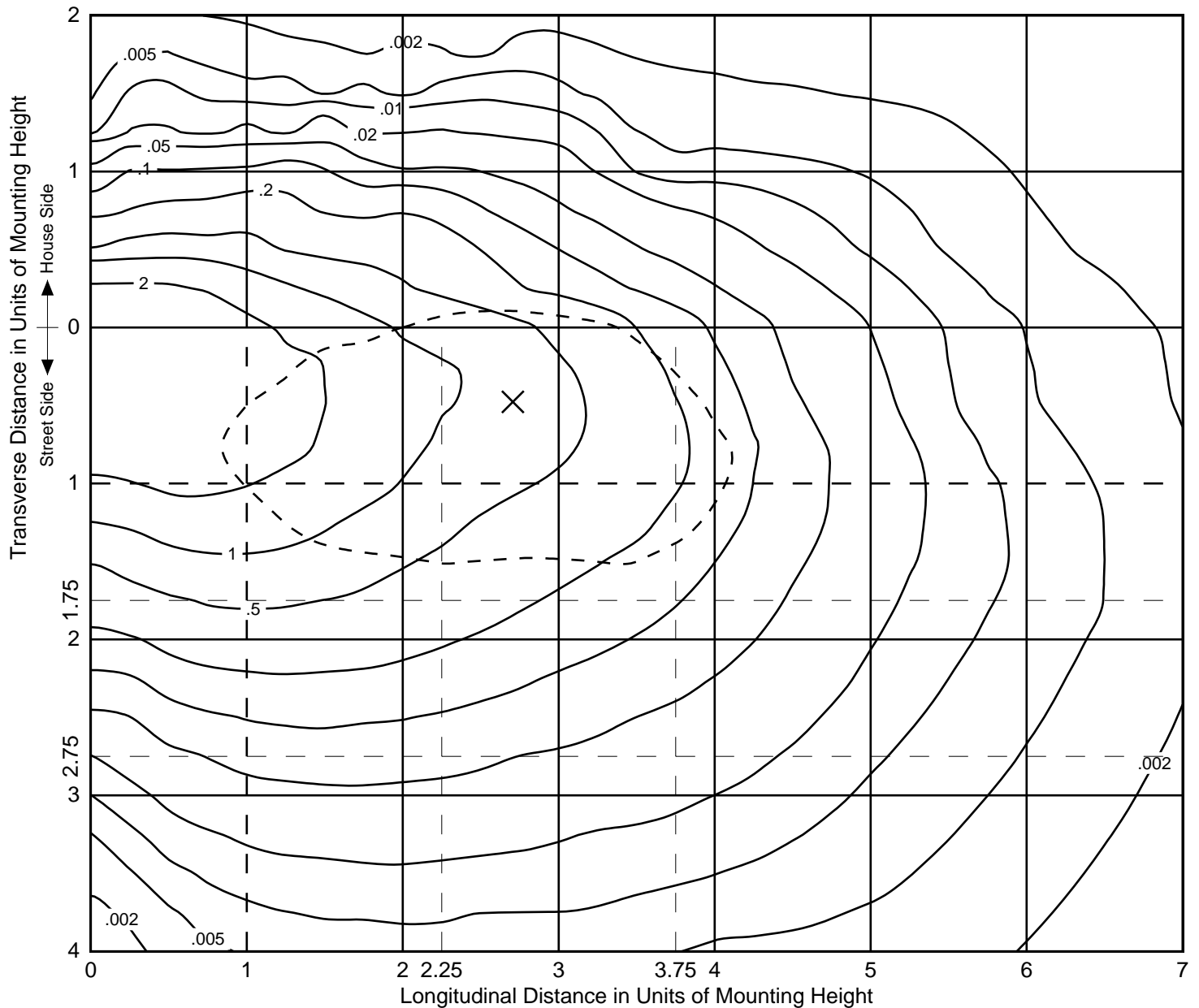
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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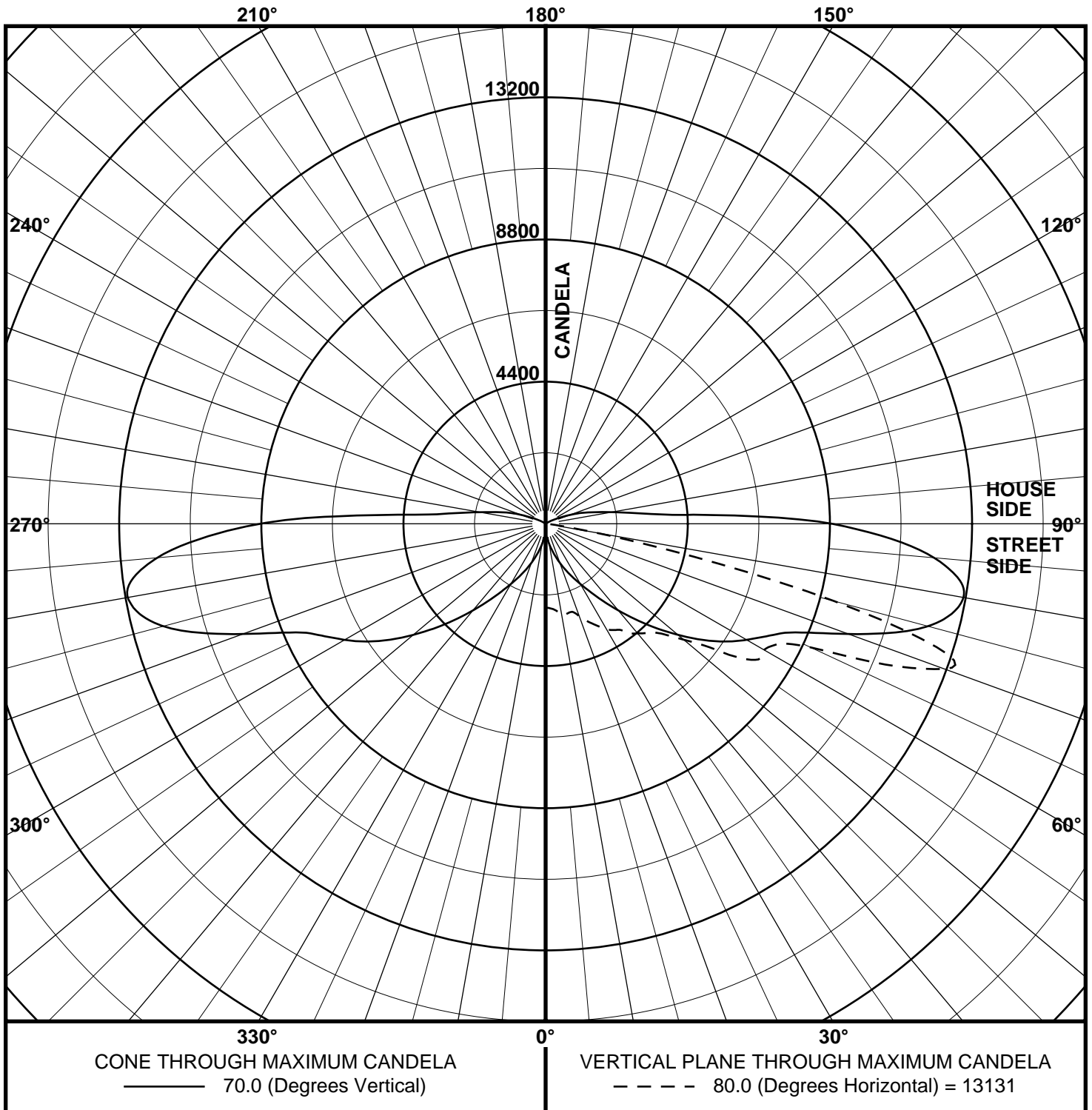
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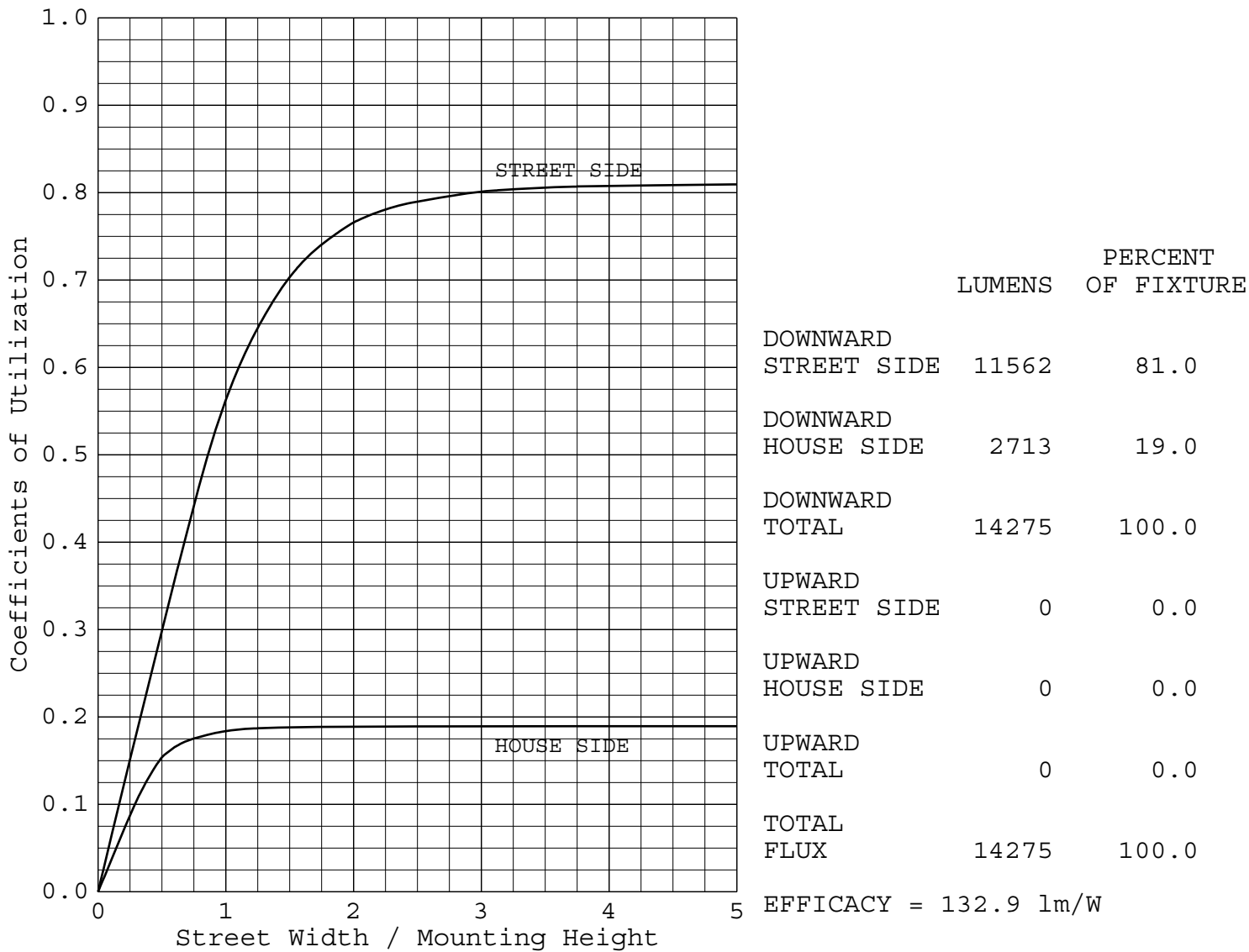
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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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 G2		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	11562			
FM	(30° – 60°)	1300.1			
FH	(60° – 80°)	5671.0			
FVH	(80° – 90°)	4512.4			G2
		78.7			G1
Backward					
BL	(0° – 30°)	2713			
BM	(30° – 60°)	759.2	B2		
BH	(60° – 80°)	1292.7	B2		
BVH	(80° – 90°)	648.3	B2		G2
		12.5			G1
Upward					
UL	(90° – 100°)	0		U0	
UH	(100° – 180°)	0.0		U0	
Trapped Light					
Total Flux					
		0			
		14275			
		100.0			

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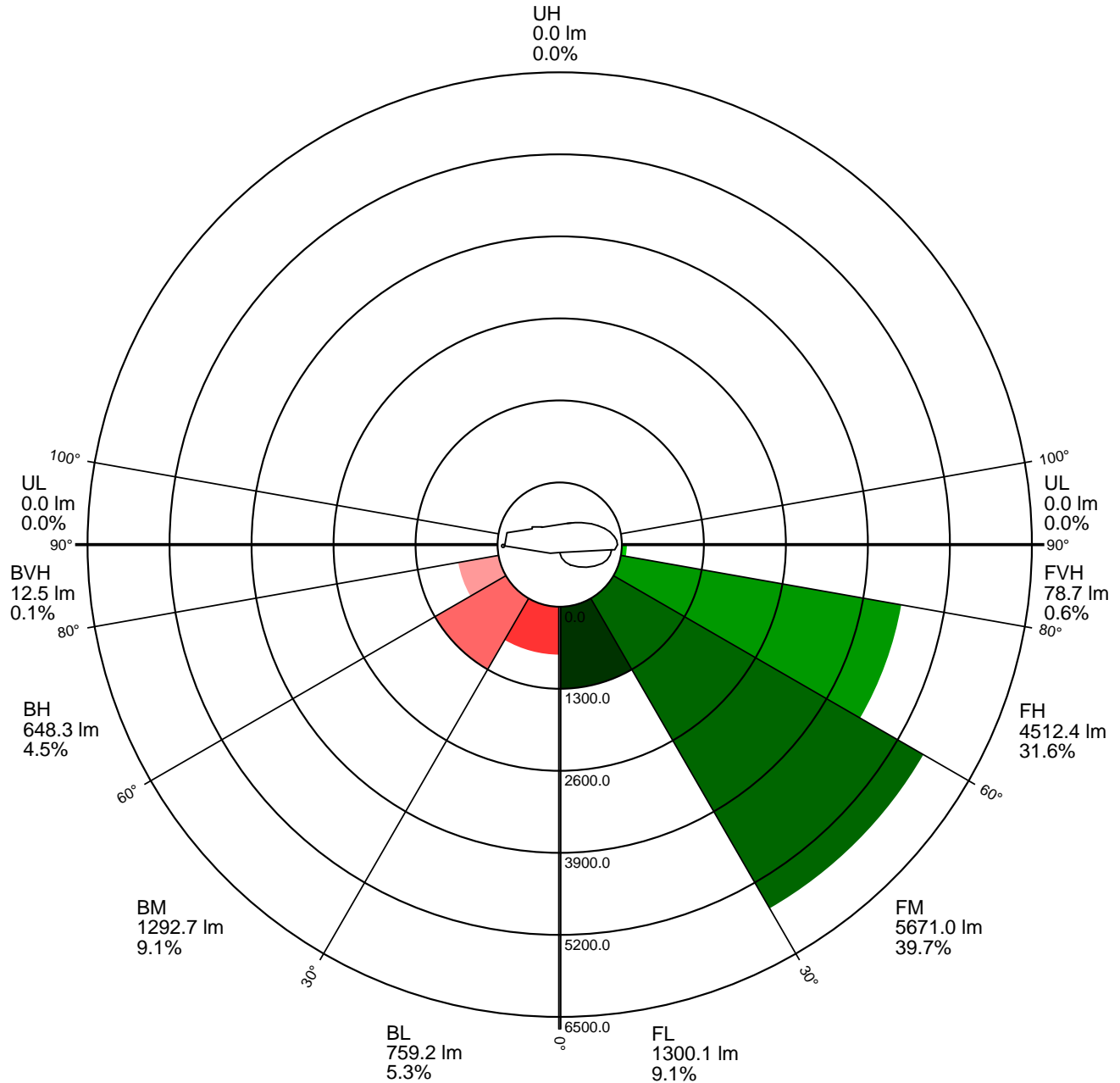
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Zonal Lumen Summary

(Linear scale)



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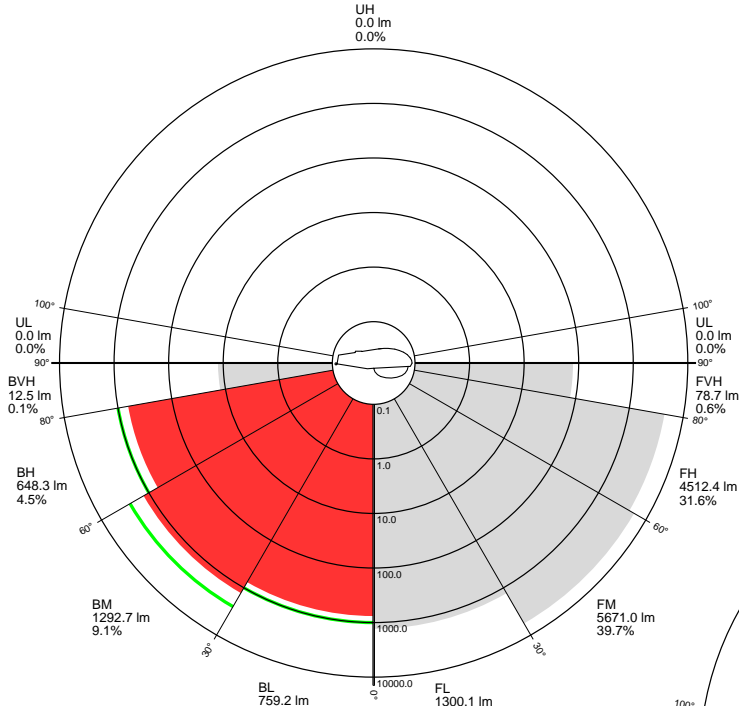
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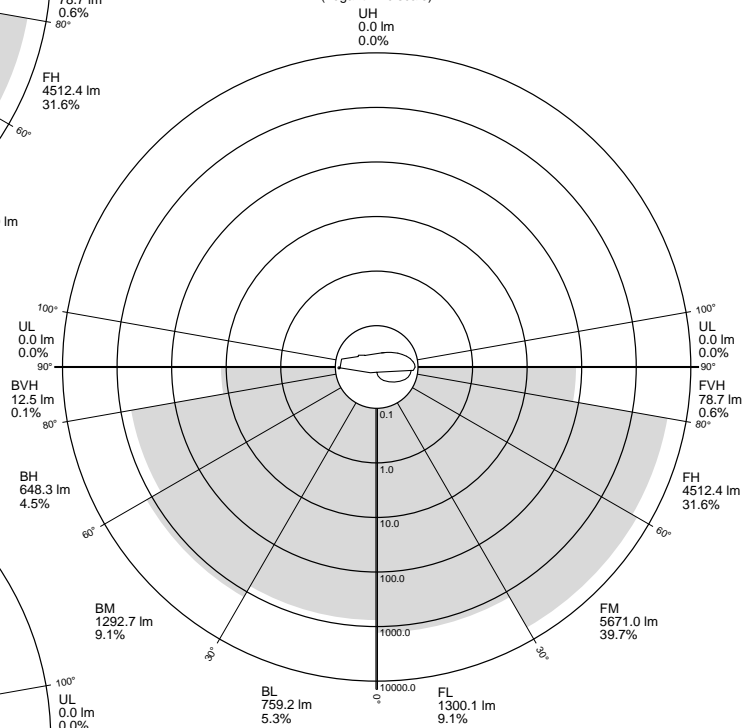
Backlight Rating Details

(Logarithmic scale)



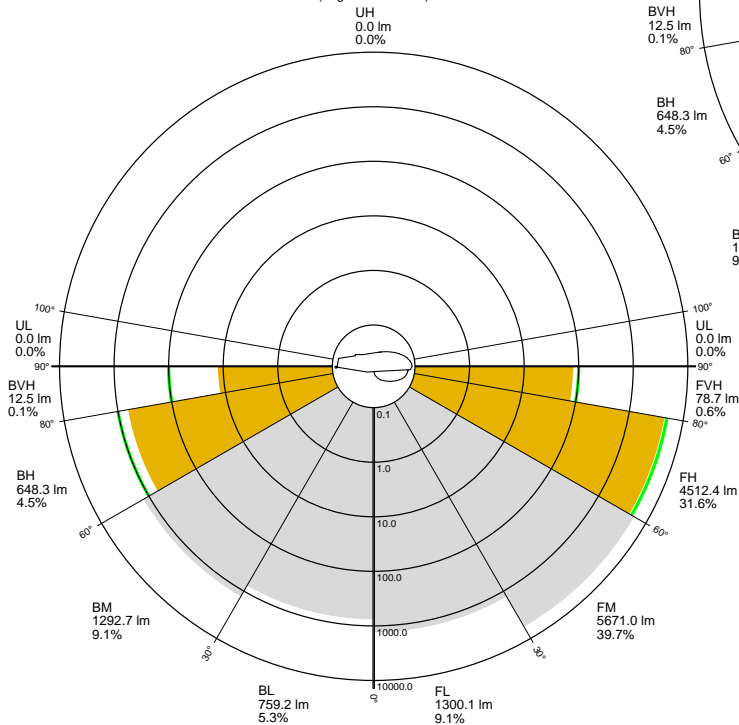
Uplight Rating Details

(Logarithmic scale)



Glare Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET	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.	7.	9.	11.	25.	16.	13.	10.
	85.0	3.	2.	6.	7.	10.	21.	72.	43.	48.	52.	48.
V	82.5	8.	5.	11.	17.	69.	158.	313.	389.	450.	404.	262.
E	80.0	17.	13.	58.	151.	258.	502.	1114.	1480.	1832.	1548.	937.
R	77.5	31.	32.	195.	357.	655.	1308.	2459.	4031.	4916.	4682.	3080.
T	75.0	54.	101.	381.	725.	1334.	2216.	3692.	6302.	9511.	9238.	6897.
I	72.5	131.	243.	651.	1201.	2001.	3268.	5122.	7095.	12021.	12695.	10502.
C	70.0<<	305.	433.	937.	1691.	2745.	4387.	6332.	8028.	12250.	13131.	12068.
A	67.5	589.	623.	1300.	2244.	3562.	5452.	6887.	9021.	10260.	11381.	10872.
L	65.0	923.	911.	1747.	2864.	4403.	6185.	7432.	9442.	9510.	9051.	8837.
	62.5	1229.	1275.	2203.	3489.	4957.	6487.	7632.	9442.	8712.	8080.	7313.
A	60.0	1505.	1654.	2598.	3844.	5278.	6625.	7878.	9101.	8425.	7805.	6931.
N	57.5	1744.	1969.	2802.	4101.	5308.	6552.	8002.	8394.	8098.	7809.	6670.
G	55.0	2057.	2219.	2944.	4113.	5323.	6635.	7891.	8011.	7651.	7174.	6264.
L	52.5	2370.	2473.	3012.	4272.	5464.	6780.	7531.	7563.	6769.	6179.	5563.
E	50.0	2713.	2746.	3226.	4451.	5673.	6689.	7250.	6970.	6080.	5578.	4885.
	47.5	2973.	3038.	3497.	4618.	5680.	6282.	6746.	6343.	5472.	5100.	4667.
	45.0	3178.	3266.	3703.	4642.	5508.	5847.	5887.	5771.	5175.	4764.	4510.
	42.5	3326.	3424.	3798.	4506.	5087.	5477.	5241.	5180.	4779.	4588.	4409.
	40.0	3387.	3452.	3791.	4183.	4748.	5037.	5016.	4785.	4503.	4431.	4245.
	37.5	3335.	3359.	3732.	3921.	4339.	4748.	4709.	4613.	4377.	4282.	4063.
	35.0	3232.	3227.	3456.	3569.	4010.	4324.	4472.	4547.	4156.	4003.	3829.
	32.5	3113.	3121.	3329.	3392.	3676.	3950.	4255.	4347.	4060.	3899.	3769.
	30.0	3024.	3074.	3289.	3323.	3571.	3715.	3983.	3993.	3812.	3773.	3680.
	25.0	2878.	2914.	3025.	3175.	3148.	3285.	3403.	3413.	3408.	3407.	3306.
	20.0	2753.	2756.	2837.	3046.	3078.	3100.	3016.	3072.	3098.	3037.	2977.
	15.0	2782.	2765.	2803.	2900.	3001.	3014.	2995.	3001.	2900.	2841.	2795.
	10.0	2712.	2712.	2735.	2747.	2814.	2871.	2902.	2896.	2873.	2841.	2821.
	5.0	2658.	2662.	2670.	2670.	2678.	2666.	2665.	2662.	2680.	2652.	2633.
	0.0	2592.	2592.	2592.	2592.	2592.	2592.	2592.	2592.	2592.	2592.	2592.

||
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	9.	7.	8.	7.	6.	6.	5.	4.	3.	3.	3.
	85.0	24.	16.	11.	9.	8.	8.	7.	4.	4.	3.	3.
V	82.5	206.	88.	63.	21.	13.	10.	8.	10.	10.	9.	8.
E	80.0	814.	440.	200.	73.	30.	10.	11.	13.	12.	10.	9.
R	77.5	2396.	1161.	194.	63.	29.	11.	11.	13.	12.	11.	10.
T	75.0	4992.	1946.	237.	95.	28.	19.	10.	12.	11.	10.	10.
I	72.5	7574.	2638.	947.	238.	31.	22.	11.	11.	11.	10.	10.
C	70.0<<	8868.	3379.	1378.	375.	48.	22.	12.	13.	13.	10.	10.
A	67.5	8388.	4215.	2119.	487.	63.	25.	13.	13.	14.	10.	10.
L	65.0	7110.	4170.	2735.	587.	156.	35.	21.	16.	16.	13.	10.
	62.5	6244.	4205.	2309.	684.	381.	69.	29.	21.	19.	16.	13.
A	60.0	5950.	4396.	2173.	871.	645.	99.	39.	37.	39.	22.	15.
N	57.5	5592.	4362.	1975.	954.	800.	213.	51.	43.	53.	26.	15.
G	55.0	5272.	4379.	1849.	1037.	800.	349.	72.	51.	69.	26.	17.
L	52.5	4830.	4310.	2057.	1220.	768.	441.	184.	62.	78.	25.	20.
E	50.0	4350.	4063.	2180.	1457.	823.	457.	291.	129.	55.	31.	24.
	47.5	4259.	3936.	2238.	1517.	840.	445.	354.	222.	121.	73.	57.
	45.0	4226.	3828.	2331.	1510.	863.	506.	364.	290.	240.	132.	106.
	42.5	4133.	3712.	2476.	1542.	895.	574.	351.	300.	265.	173.	141.
	40.0	3986.	3566.	2715.	1621.	972.	630.	407.	289.	253.	181.	154.
	37.5	3844.	3490.	2907.	1712.	1089.	696.	492.	341.	226.	182.	160.
	35.0	3621.	3461.	2914.	1841.	1174.	803.	552.	432.	273.	212.	191.
	32.5	3580.	3474.	2950.	1965.	1297.	899.	630.	497.	346.	273.	249.
	30.0	3490.	3394.	2882.	2089.	1456.	987.	709.	542.	391.	353.	332.
	25.0	3221.	3134.	2746.	2364.	1698.	1268.	917.	684.	554.	515.	499.
	20.0	2940.	2905.	2628.	2327.	1995.	1596.	1302.	1043.	896.	852.	821.
	15.0	2770.	2763.	2623.	2446.	2278.	2088.	1833.	1578.	1453.	1441.	1399.
	10.0	2787.	2780.	2686.	2582.	2443.	2312.	2175.	2054.	1996.	1937.	1920.
	5.0	2607.	2595.	2564.	2543.	2511.	2454.	2415.	2405.	2373.	2359.	2337.
	0.0	2592.	2592.	2592.	2592.	2592.	2592.	2592.	2592.	2592.	2592.	2592.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	62
5- 10	184
10- 15	301
15- 20	397
20- 25	497
25- 30	619
30- 35	756
35- 40	908
40- 45	1076
45- 50	1257
50- 55	1414
55- 60	1552
60- 65	1615
65- 70	1621
70- 75	1334
75- 80	591
80- 85	87
85- 90	5
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	245
0- 20	944
0- 30	2059
0- 40	3723
0- 50	6057
0- 60	9023
0- 70	12259
0- 80	14184
0- 90	14275
0-100	14275
0-110	14275
0-120	14275
0-130	14275
0-140	14275
0-150	14275
0-160	14275
0-170	14275
0-180	14275