

REPORT NUMBER: PRORATED FROM RAB04304

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ISSUE DATE: 05/08/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T66N - RWLED3T66N - RWLED3T66SFN - WPLED3T66N (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.

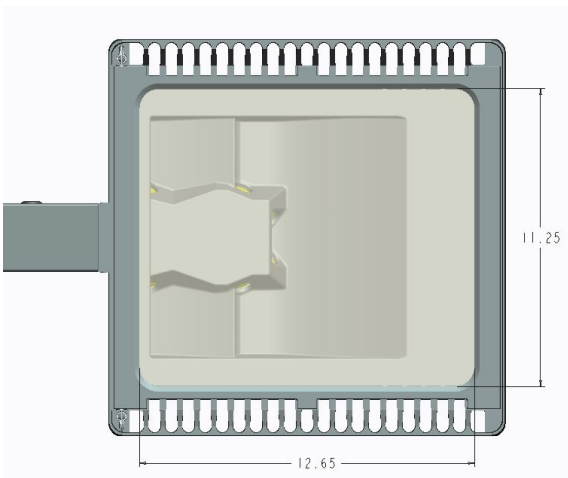
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04304 WHICH WAS ALED3T66Y.
ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 67.9 W AT 120.0 VAC.

LED DRIVER: LED DRIVER: RDD-U85-A1750

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

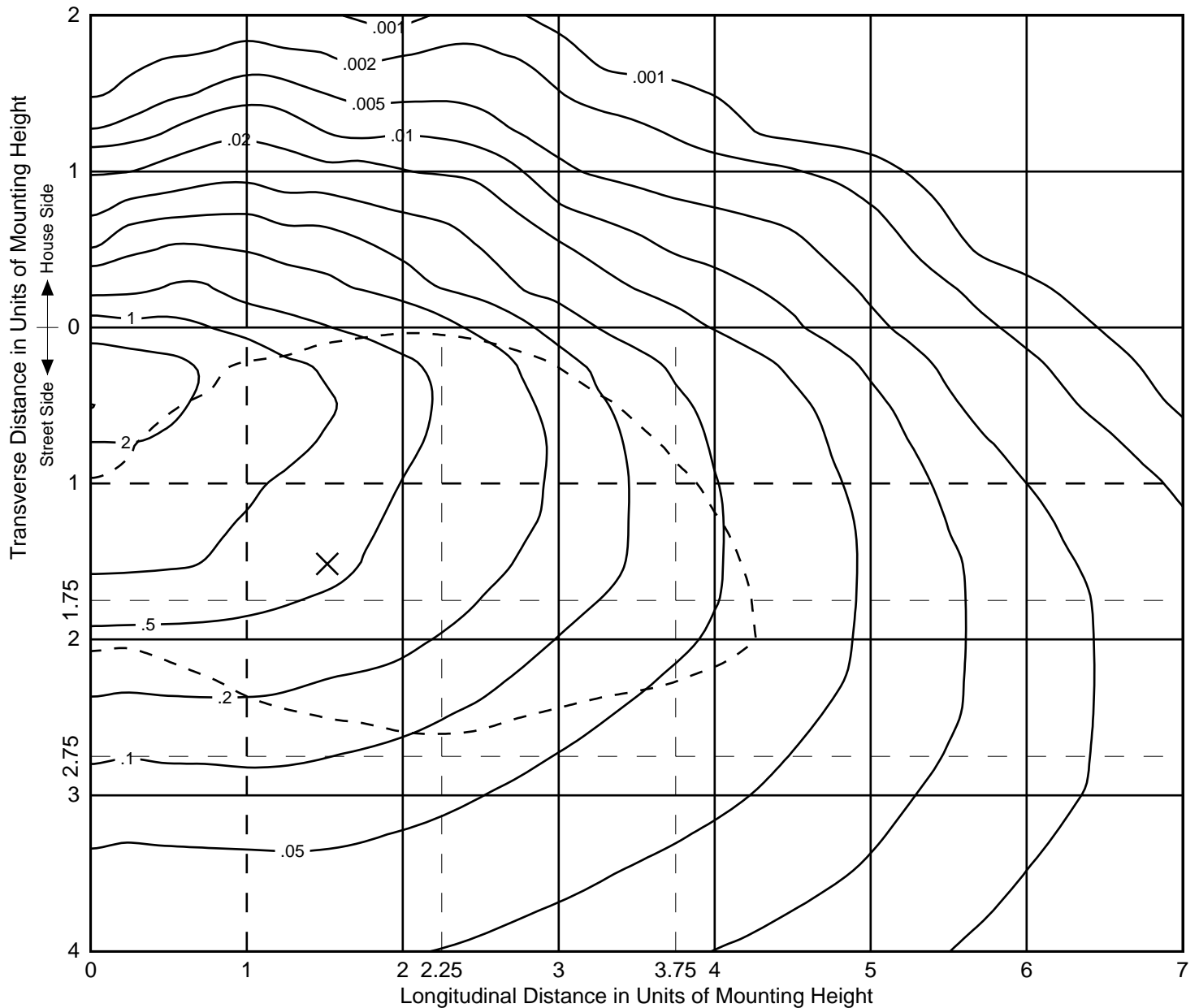
Values based on 25-foot mounting height

IES Classification: Short, Type III

Cutoff Classification (deprecated): Noncutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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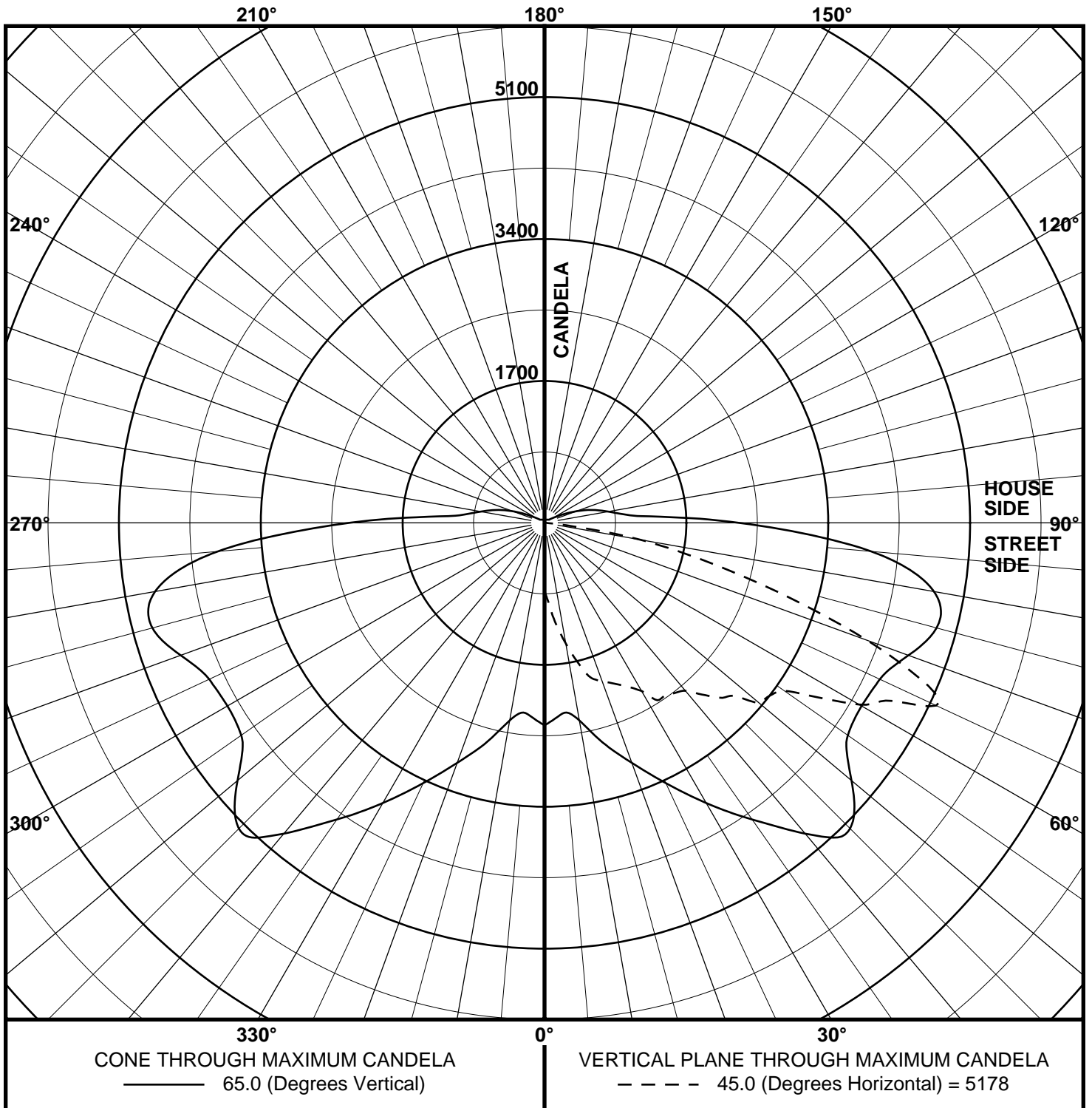
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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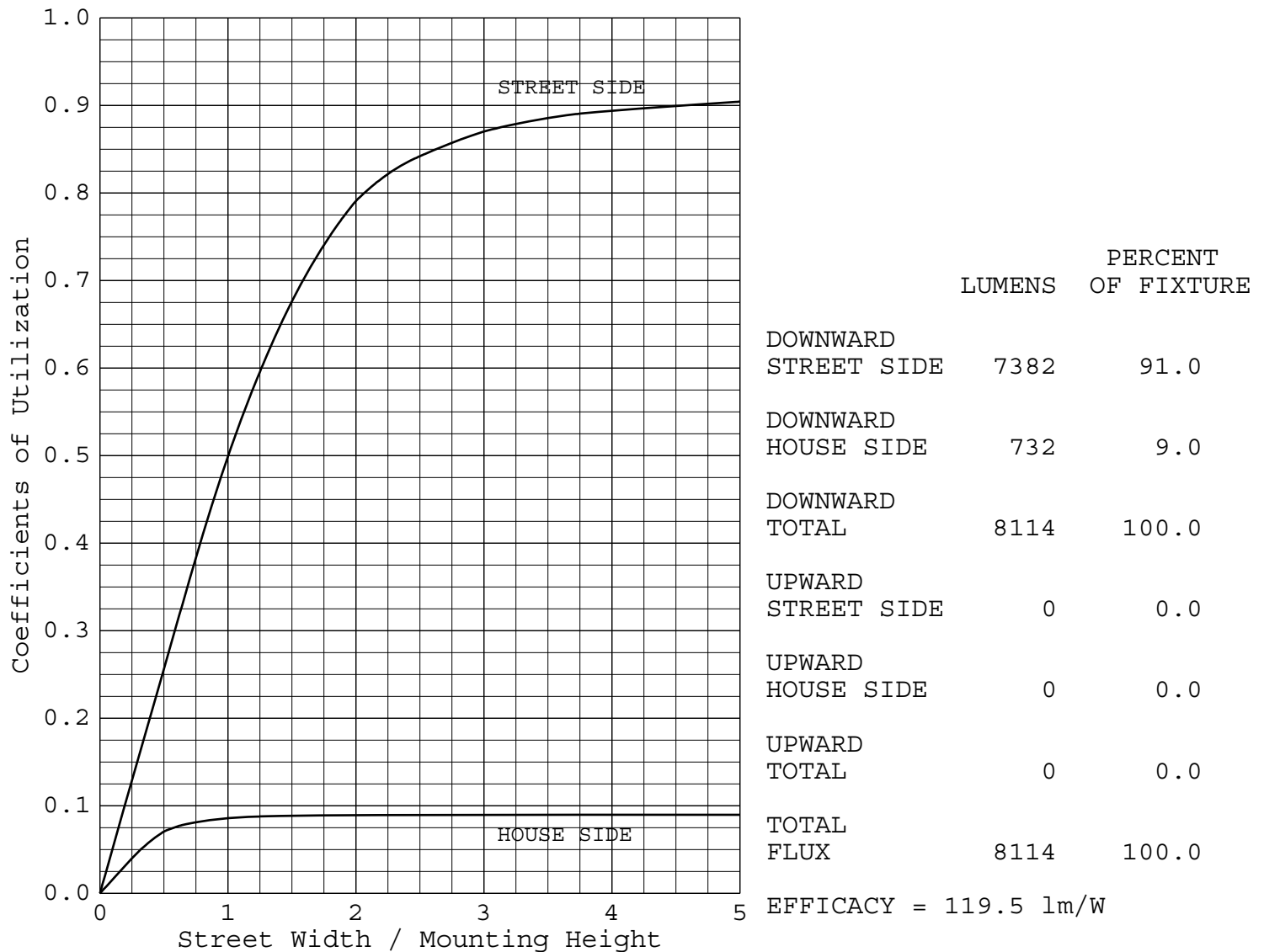
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



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			B1 U0 G2		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	7382			
FM	(30° – 60°)	773.0			
FH	(60° – 80°)	3415.7			
FVH	(80° – 90°)	3060.4			G2
		132.4			G2
Backward					
BL	(0° – 30°)	732			
BM	(30° – 60°)	9.0			
BH	(60° – 80°)	174.8	B1		
BVH	(80° – 90°)	377.9	B1		
		175.4	B1		G1
		4.3			G0
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		8114			
		100.0			

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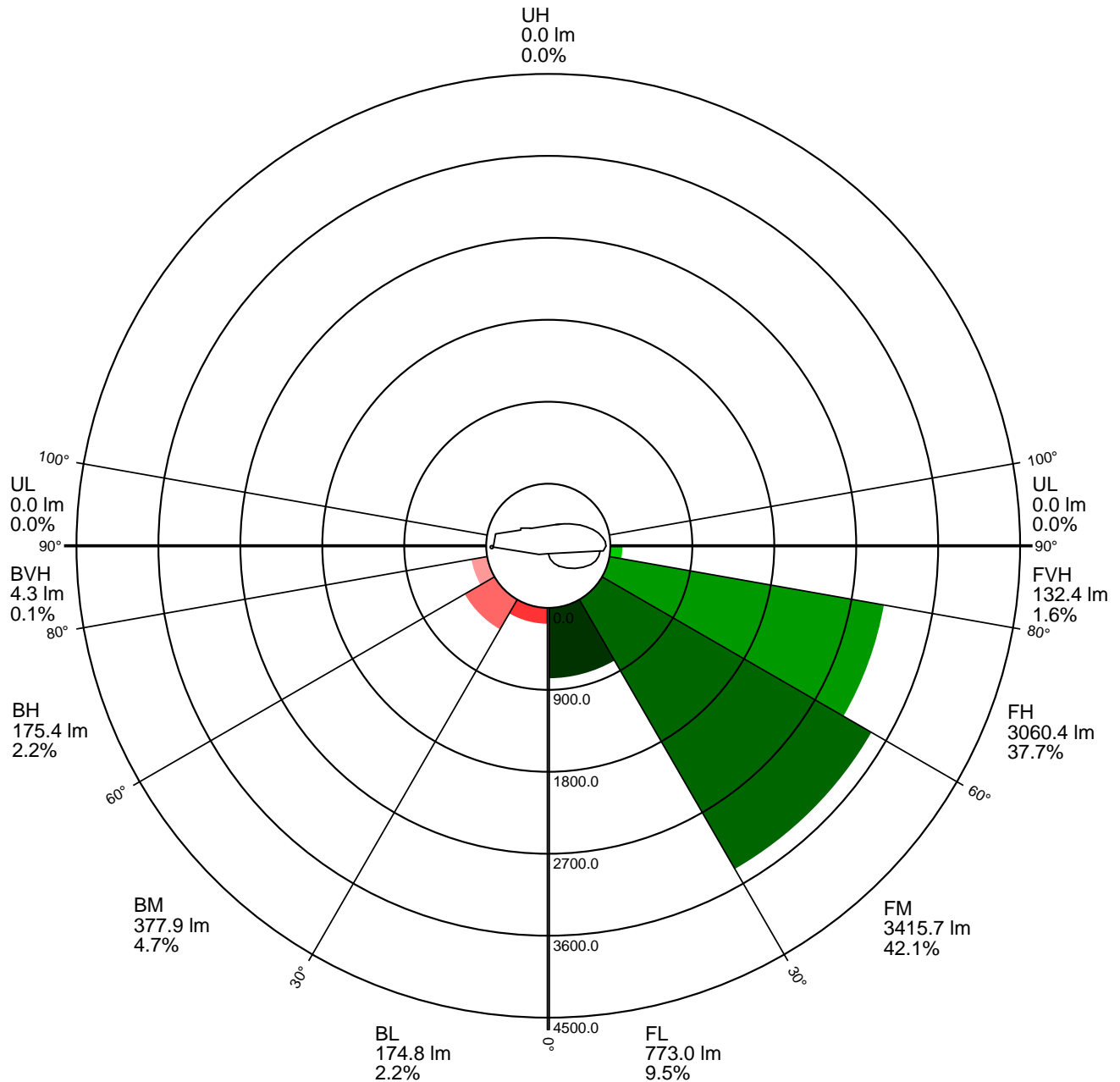
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Zonal Lumen Summary

(Linear scale)



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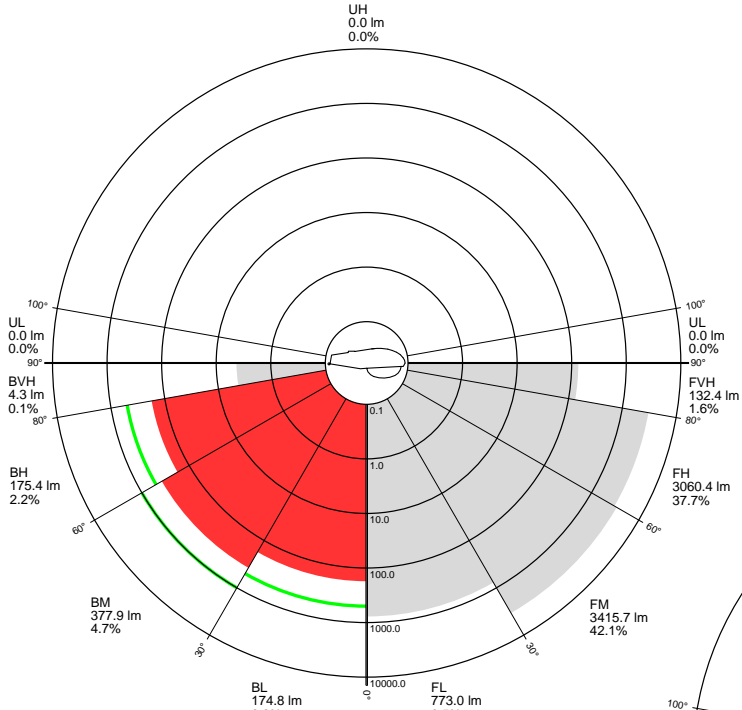
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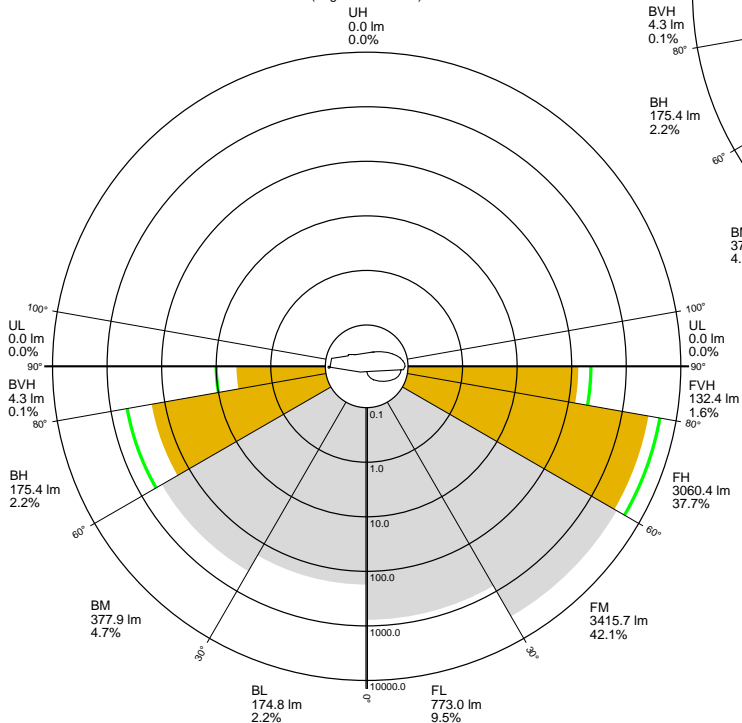
Backlight Rating Details

(Logarithmic scale)



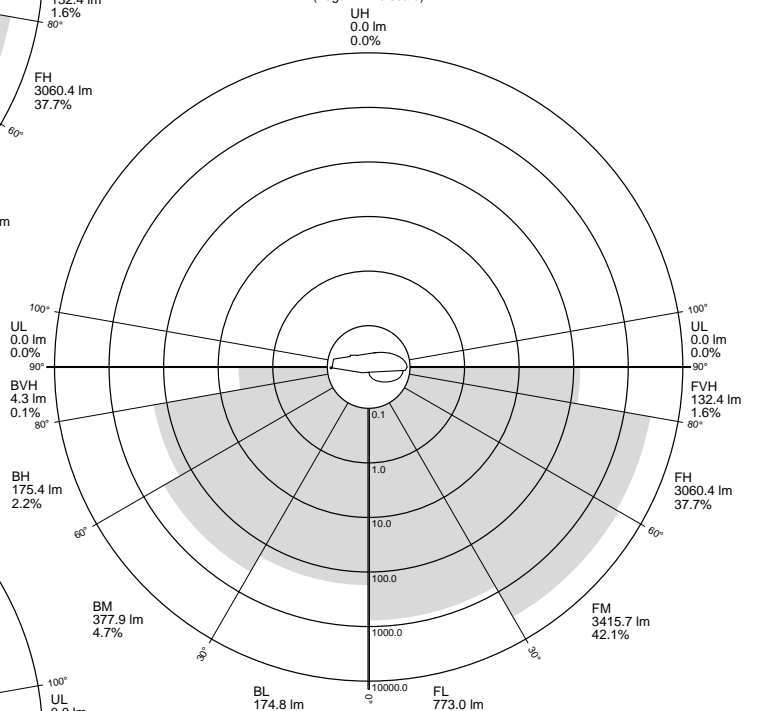
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION												
	STREET SIDE						LATERAL ANGLE					
	0.0	5.0	15.0	25.0	35.0	42.5	45.0	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	3.	3.	4.	5.	10.	12.	11.	12.	14.	12.	7.	
85.0	18.	14.	35.	54.	90.	107.	113.	158.	180.	142.	16.	
V 82.5	55.	78.	199.	228.	337.	436.	447.	764.	927.	663.	125.	
E 80.0	202.	234.	407.	568.	800.	1100.	1168.	1609.	1731.	1309.	506.	
R 77.5	676.	653.	856.	1214.	1457.	1672.	1763.	2275.	2825.	2222.	1342.	
T 75.0	1131.	1080.	1291.	1702.	2039.	2340.	2446.	2909.	3738.	2921.	1887.	
I 72.5	1401.	1354.	1598.	2055.	2505.	3032.	3247.	3819.	4449.	3823.	2383.	
C 70.0	1660.	1609.	1891.	2451.	3028.	3840.	4115.	4851.	4631.	4499.	3079.	
A 67.5	1976.	1909.	2262.	2949.	3671.	4525.	4866.	4885.	4589.	4621.	3832.	
L 65.0<<	2426.	2301.	2732.	3439.	4337.	5115.	5178.	4436.	4435.	4864.	3930.	
62.5	2925.	2884.	3348.	4046.	4881.	4766.	4610.	4426.	4251.	4898.	3828.	
A 60.0	3706.	3709.	4073.	4713.	4596.	4318.	4356.	4075.	4404.	4586.	3592.	
N 57.5	4312.	4299.	4435.	4472.	3992.	3917.	3892.	3814.	4711.	4208.	3249.	
G 55.0	4018.	4019.	3832.	3662.	3567.	3443.	3508.	3628.	4066.	3778.	2966.	
L 52.5	3297.	3289.	3301.	3313.	3151.	3239.	3401.	3606.	3689.	3340.	2540.	
E 50.0	3010.	3032.	3008.	2924.	2871.	3340.	3348.	3417.	3451.	3092.	2135.	
47.5	2779.	2812.	2778.	2731.	2885.	3037.	3064.	3088.	3098.	2942.	2004.	
45.0	2626.	2658.	2591.	2653.	2809.	2952.	2962.	2935.	2833.	2803.	1883.	
42.5	2529.	2544.	2596.	2721.	2834.	2810.	2788.	2758.	2688.	2582.	1729.	
40.0	2525.	2520.	2503.	2615.	2680.	2585.	2627.	2563.	2518.	2454.	1607.	
37.5	2322.	2329.	2453.	2759.	2584.	2580.	2569.	2387.	2358.	2257.	1527.	
35.0	2471.	2476.	2544.	2508.	2557.	2594.	2525.	2362.	2336.	2060.	1455.	
32.5	2446.	2430.	2374.	2451.	2546.	2504.	2520.	2339.	2335.	2056.	1404.	
30.0	2504.	2473.	2432.	2447.	2417.	2361.	2326.	2265.	2263.	1997.	1360.	
25.0	2578.	2566.	2361.	2267.	2195.	2165.	2142.	2111.	2027.	1616.	1171.	
20.0	2343.	2352.	2238.	2122.	2045.	2016.	2021.	1953.	1724.	1395.	1025.	
15.0	2099.	2096.	2090.	2000.	1920.	1862.	1838.	1696.	1423.	1145.	908.	
10.0	1850.	1853.	1848.	1738.	1624.	1515.	1467.	1325.	1174.	979.	843.	
5.0	1300.	1301.	1281.	1243.	1182.	1135.	1116.	1037.	959.	882.	818.	
0.0	811.	811.	811.	811.	811.	811.	811.	811.	811.	811.	811.	
							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	7.	7.	7.	7.	6.	5.	5.	3.	3.	3.	3.
	85.0	9.	8.	7.	6.	6.	5.	4.	3.	3.	3.	3.
V	82.5	55.	24.	14.	8.	6.	5.	4.	3.	3.	3.	3.
E	80.0	281.	109.	21.	20.	6.	5.	4.	3.	3.	4.	3.
R	77.5	664.	427.	58.	32.	9.	5.	4.	3.	4.	4.	4.
T	75.0	950.	429.	124.	33.	16.	7.	4.	3.	4.	5.	5.
I	72.5	1272.	590.	157.	74.	44.	11.	6.	4.	5.	5.	4.
C	70.0	1815.	820.	383.	127.	51.	11.	15.	6.	6.	6.	6.
A	67.5	2143.	972.	588.	179.	55.	17.	11.	6.	7.	7.	7.
L	65.0<<	2338.	1023.	596.	233.	65.	39.	17.	7.	7.	8.	8.
	62.5	2319.	1098.	611.	287.	82.	56.	36.	13.	9.	7.	7.
A	60.0	2083.	1136.	713.	372.	106.	78.	47.	19.	10.	6.	6.
N	57.5	1956.	1094.	676.	372.	132.	103.	56.	25.	11.	7.	6.
G	55.0	1840.	1090.	624.	363.	160.	109.	62.	33.	14.	7.	6.
L	52.5	1683.	1086.	563.	388.	222.	117.	68.	40.	19.	8.	7.
E	50.0	1525.	1069.	532.	484.	297.	143.	75.	44.	24.	25.	21.
	47.5	1450.	1050.	536.	400.	322.	163.	86.	48.	30.	34.	57.
	45.0	1421.	984.	548.	409.	291.	171.	103.	54.	41.	34.	32.
	42.5	1389.	1047.	539.	406.	306.	183.	110.	99.	47.	25.	21.
	40.0	1311.	1116.	619.	408.	331.	196.	123.	83.	71.	41.	29.
	37.5	1251.	1094.	930.	431.	327.	212.	138.	93.	79.	61.	49.
	35.0	1214.	1047.	916.	643.	365.	254.	153.	104.	86.	66.	58.
	32.5	1194.	1025.	798.	629.	470.	327.	174.	112.	85.	66.	57.
	30.0	1122.	984.	733.	532.	393.	305.	268.	127.	89.	70.	62.
	25.0	986.	885.	650.	499.	351.	264.	203.	156.	115.	105.	105.
	20.0	899.	820.	645.	529.	384.	279.	205.	162.	154.	158.	162.
	15.0	816.	759.	654.	530.	485.	414.	328.	272.	250.	216.	209.
	10.0	778.	726.	650.	588.	528.	485.	454.	425.	385.	347.	347.
	5.0	789.	759.	703.	665.	632.	605.	583.	552.	532.	529.	521.
	0.0	811.	811.	811.	811.	811.	811.	811.	811.	811.	811.	811.

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	20
5- 10	65
10- 15	121
15- 20	179
20- 25	244
25- 30	318
30- 35	394
35- 40	457
40- 45	534
45- 50	634
50- 55	782
55- 60	993
60- 65	1059
65- 70	983
70- 75	755
75- 80	439
80- 85	128
85- 90	8
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	85
0- 20	386
0- 30	948
0- 40	1798
0- 50	2966
0- 60	4741
0- 70	6783
0- 80	7977
0- 90	8114
0-100	8114
0-110	8114
0-120	8114
0-130	8114
0-140	8114
0-150	8114
0-160	8114
0-170	8114
0-180	8114