

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P148715

Luminaire Tested: **VXM-F06-LED-E1-RW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148715
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXM-F06-LED-E1-RW
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15473.3 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



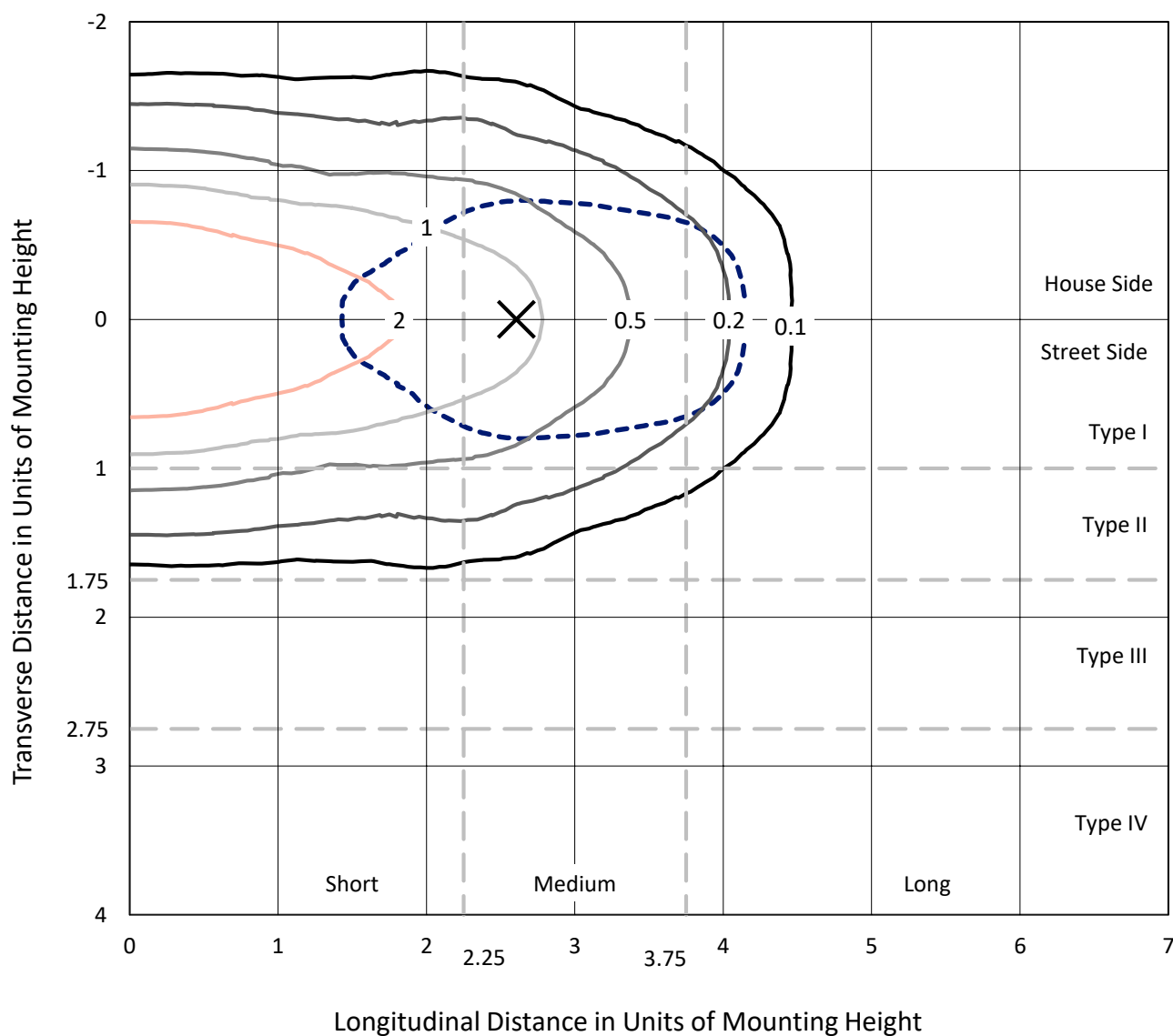
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

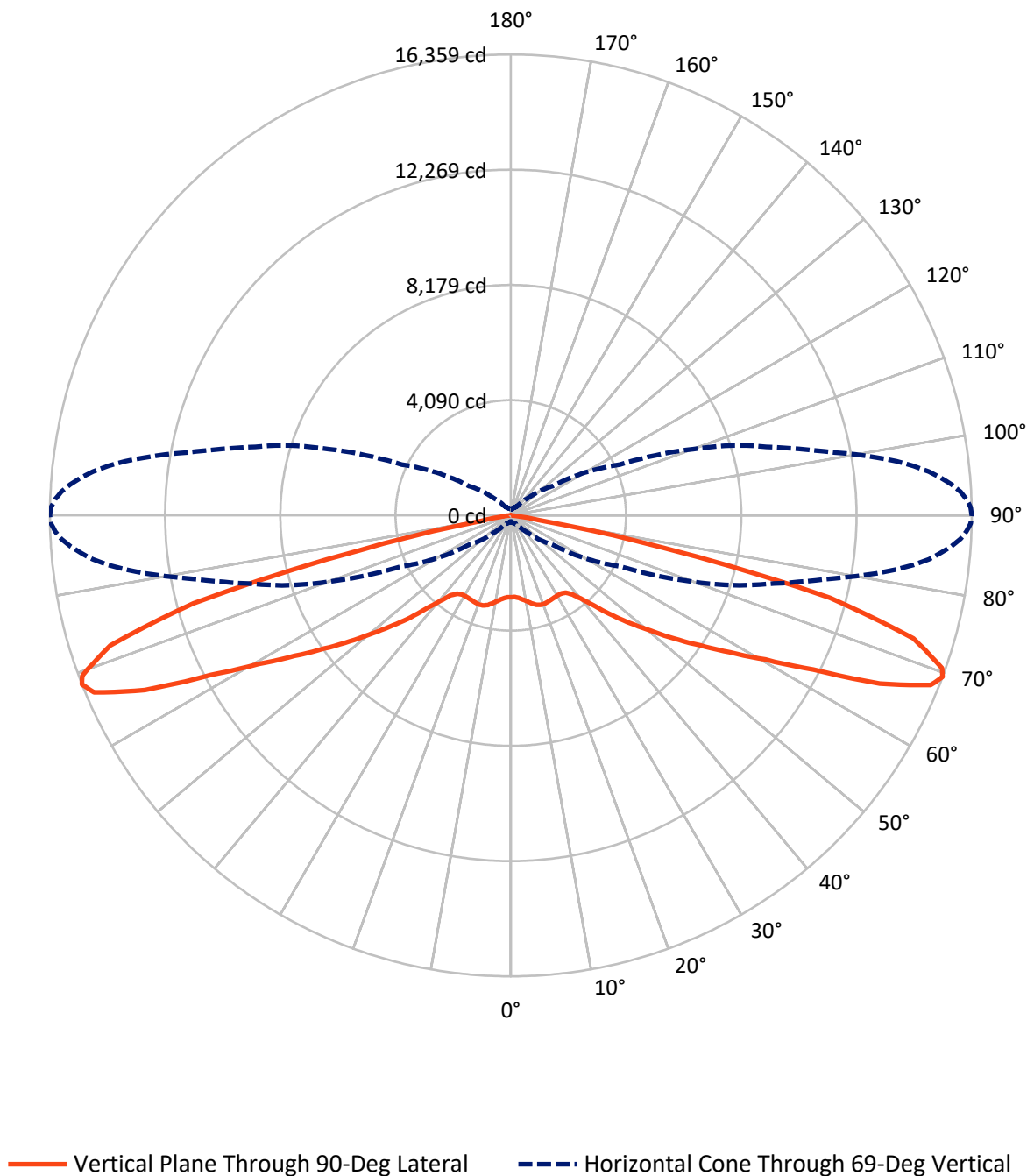


Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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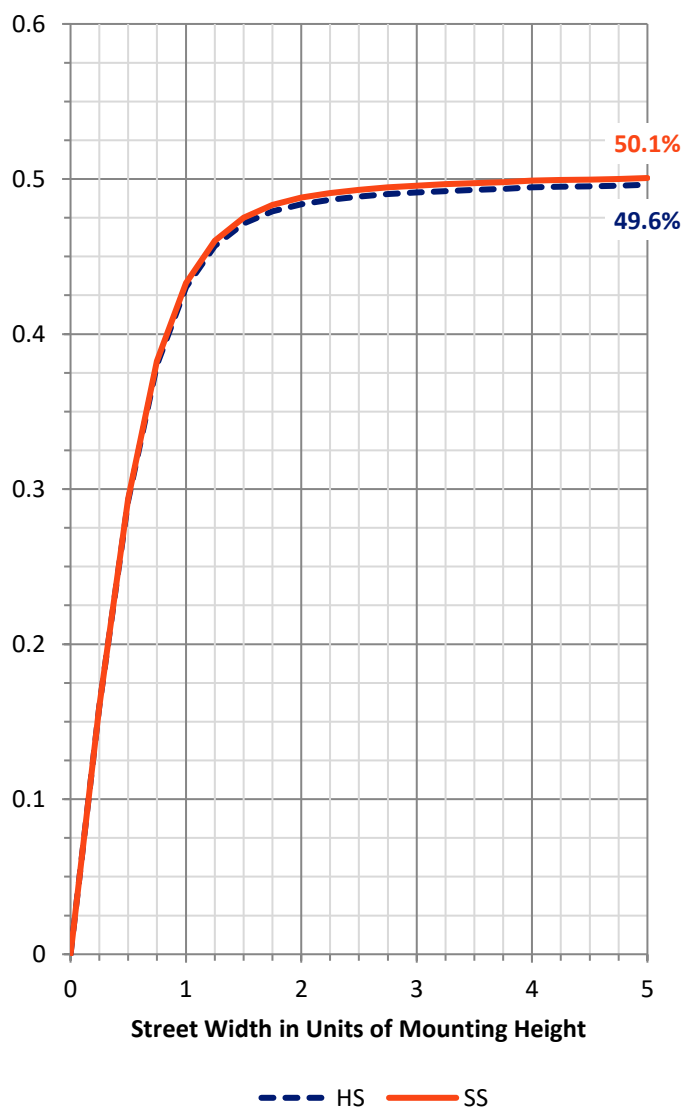
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7736.7	0.0	7736.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7736.7	0.0	7736.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15473.3	0.0	15473.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.4	1.8
10°-20°	897.1	5.8
20°-30°	1453.4	9.4
30°-40°	1811.3	11.7
40°-50°	2263.5	14.6
50°-60°	2794.9	18.1
60°-70°	3472.8	22.4
70°-80°	2305.5	14.9
80°-90°	190.4	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	15473.3	100.0
0°-180°	15473.3	100.0

Coefficient of Utilization



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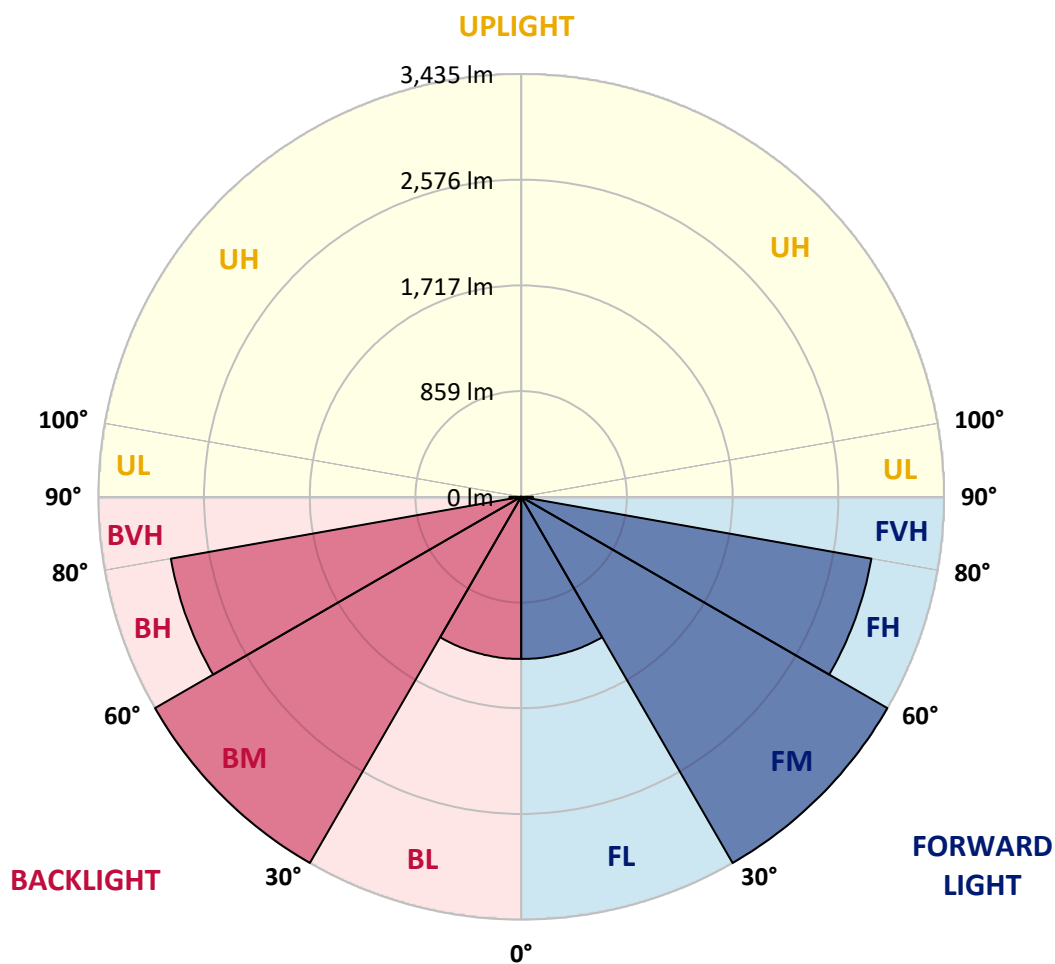
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1317.5	8.5			
FM	(30°-60°)	3434.9	22.2			
FH	(60°-80°)	2889.2	18.7			G2/5000
FVH	(80°-90°)	95.2	0.6			G1/100
BL	(0°-30°)	1317.5	8.5	B3/2500		
BM	(30°-60°)	3434.9	22.2	B3/5000		
BH	(60°-80°)	2889.2	18.7	B4/5000		G4/5000
BVH	(80°-90°)	95.2	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2
2.5°	2912.4	2915.0	2913.3	2916.6	2915.8	2915.8	2914.1	2910.8	2910.4	2910.0	2909.6
5°	2940.6	2937.2	2942.2	2947.2	2945.4	2946.3	2945.4	2945.4	2945.1	2944.8	2944.5
7.5°	2970.2	2969.4	2972.7	2986.0	2987.6	2992.5	2998.3	3002.4	3002.6	3002.7	3002.9
10°	2995.9	2996.6	3004.9	3023.9	3033.8	3049.4	3065.2	3077.6	3078.5	3079.4	3080.3
12.5°	3016.5	3017.3	3029.6	3059.4	3083.4	3113.0	3146.9	3165.9	3167.5	3169.2	3170.8
15°	3018.2	3020.6	3042.0	3090.8	3138.6	3187.4	3227.8	3253.4	3254.7	3256.0	3257.3
17.5°	2996.6	2998.3	3034.6	3106.4	3186.5	3262.5	3304.6	3316.2	3316.6	3317.1	3317.6
20°	2940.5	2944.6	2995.8	3102.3	3224.5	3323.6	3367.3	3351.6	3350.0	3348.5	3346.9
22.5°	2849.7	2848.9	2915.8	3059.4	3232.0	3371.4	3410.2	3369.0	3364.1	3359.2	3354.4
25°	2702.8	2712.6	2791.1	2962.8	3189.8	3382.2	3440.8	3378.0	3371.0	3364.0	3357.0
27.5°	2543.4	2549.2	2632.6	2816.7	3091.6	3345.0	3455.6	3396.2	3388.4	3380.5	3372.7
30°	2357.7	2365.1	2454.3	2646.6	2934.0	3249.2	3451.5	3437.5	3428.3	3419.2	3410.0
32.5°	2176.0	2184.3	2264.4	2474.9	2768.0	3118.0	3426.8	3496.1	3486.7	3477.3	3467.9
35°	1987.9	2000.2	2097.6	2310.6	2607.8	2971.9	3388.8	3571.2	3566.0	3560.8	3555.7
37.5°	1831.8	1834.3	1928.4	2152.1	2459.2	2832.4	3338.4	3666.2	3669.9	3673.7	3677.5
40°	1657.6	1673.4	1767.4	2003.6	2324.6	2714.3	3290.6	3795.0	3814.7	3834.4	3854.1
42.5°	1501.6	1503.3	1599.0	1842.6	2178.6	2619.4	3264.1	3950.2	3992.3	4034.5	4076.7
45°	1337.4	1344.0	1430.6	1665.9	2010.2	2507.2	3263.3	4129.3	4196.7	4264.0	4331.4
47.5°	1182.2	1184.6	1276.2	1495.0	1817.0	2350.2	3257.6	4321.6	4413.3	4505.0	4596.7
50°	1033.6	1031.0	1121.1	1331.6	1626.2	2144.7	3207.2	4539.6	4655.4	4771.2	4887.0
52.5°	863.5	875.0	968.4	1169.8	1453.0	1935.8	3060.2	4778.2	4916.7	5055.2	5193.7
55°	696.7	701.7	801.6	989.8	1277.1	1741.0	2804.3	4997.8	5161.0	5324.3	5487.6
57.5°	513.5	528.3	615.8	801.6	1098.8	1576.8	2479.0	5111.6	5310.4	5509.1	5707.8
60°	362.4	374.0	451.6	607.6	903.2	1404.2	2199.2	5048.1	5306.3	5564.6	5822.8
62.5°	282.4	291.4	353.4	454.8	704.2	1231.7	1998.6	4842.6	5193.9	5545.2	5896.6
65°	247.7	256.0	312.0	364.0	525.8	1055.8	1888.8	4625.4	5089.8	5554.3	6018.7
67.5°	223.7	233.6	282.3	318.6	428.4	921.3	1859.9	4488.4	5014.4	5540.4	6066.5
69°	213.0	222.8	266.6	297.2	397.9	873.4	1810.4	4272.9	4795.9	5318.8	5841.8
70°	206.4	214.6	255.1	286.4	388.0	840.4	1727.8	4003.8	4517.4	5030.9	5544.5
72.5°	191.5	195.6	231.2	261.7	360.0	679.4	1329.1	2973.5	3418.8	3864.0	4309.2
75°	169.2	174.2	207.2	236.9	280.6	421.8	841.2	1839.3	2171.7	2504.0	2836.4
77.5°	146.1	150.2	179.1	226.2	217.9	263.4	502.8	1023.6	1216.4	1409.2	1601.9
80°	117.2	122.2	147.8	224.6	180.0	204.8	361.6	715.8	767.8	819.8	871.8
82.5°	85.9	90.0	115.6	181.6	137.9	154.4	275.8	606.8	624.8	642.9	661.0
85°	43.8	44.6	73.5	110.6	87.5	80.0	155.2	415.2	426.8	438.4	449.9
87.5°	7.4	7.4	16.5	19.0	21.4	13.2	19.8	71.0	73.2	75.4	77.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: VXM-F06-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2
2.5°	2909.2	2908.8	2907.4	2907.6	2908.6	2908.1	2909.2	2909.3	2910.3	2907.2	2906.5
5°	2944.2	2943.8	2943.6	2943.5	2944.2	2944.0	2944.6	2946.0	2945.6	2943.7	2943.3
7.5°	3003.1	3003.2	3004.0	3003.2	3004.9	3004.1	3002.4	3005.0	3006.9	3007.0	3008.9
10°	3081.2	3082.1	3085.0	3084.6	3087.5	3087.1	3087.4	3090.3	3092.3	3092.6	3094.6
12.5°	3172.5	3174.1	3175.6	3177.1	3180.2	3178.4	3182.4	3184.0	3186.5	3191.4	3189.0
15°	3258.6	3260.0	3264.5	3264.8	3267.6	3268.8	3272.4	3273.9	3274.5	3278.5	3279.1
17.5°	3318.1	3318.6	3320.2	3319.4	3321.9	3321.1	3323.6	3324.9	3327.0	3329.2	3333.0
20°	3345.3	3343.8	3342.9	3341.9	3340.2	3337.7	3338.4	3339.6	3339.9	3341.9	3344.7
22.5°	3349.5	3344.6	3339.6	3336.2	3331.2	3327.0	3322.8	3323.1	3323.4	3322.9	3324.9
25°	3350.0	3343.0	3335.1	3325.6	3318.6	3309.1	3301.3	3300.6	3298.3	3298.5	3299.5
27.5°	3364.8	3357.0	3346.0	3335.0	3319.9	3307.3	3294.6	3290.2	3285.8	3283.0	3281.8
30°	3400.8	3391.7	3378.6	3364.6	3348.2	3328.4	3310.4	3304.8	3298.3	3292.7	3287.9
32.5°	3458.5	3449.0	3434.5	3420.0	3398.0	3378.6	3360.7	3351.6	3342.6	3332.6	3323.6
35°	3550.4	3545.2	3532.4	3519.7	3503.5	3488.3	3472.2	3461.9	3446.7	3439.0	3427.9
37.5°	3681.3	3685.1	3685.1	3686.8	3681.9	3674.4	3662.8	3652.2	3647.2	3626.6	3613.4
40°	3873.8	3893.6	3911.7	3925.6	3937.9	3950.2	3960.8	3954.6	3956.6	3951.1	3943.2
42.5°	4118.9	4161.1	4199.6	4238.1	4266.0	4309.5	4339.8	4349.3	4373.8	4383.4	4401.2
45°	4398.7	4466.1	4530.8	4590.6	4646.2	4708.4	4769.0	4814.1	4863.3	4919.1	4974.9
47.5°	4688.5	4780.2	4875.5	4953.6	5034.0	5126.1	5206.6	5274.4	5362.9	5444.8	5535.0
50°	5002.8	5118.6	5227.2	5323.4	5427.0	5533.1	5643.2	5743.0	5862.6	5993.6	6135.5
52.5°	5332.2	5470.8	5596.4	5717.1	5838.6	5960.1	6077.5	6218.4	6365.8	6538.8	6716.0
55°	5650.9	5814.2	5956.7	6090.9	6230.1	6366.0	6487.0	6675.4	6856.3	7062.9	7294.2
57.5°	5906.5	6105.2	6269.6	6429.0	6585.9	6730.4	6879.1	7091.6	7322.2	7563.6	7857.0
60°	6081.0	6339.2	6549.1	6740.7	6933.2	7115.0	7286.1	7563.8	7838.2	8138.2	8503.4
62.5°	6247.9	6599.3	6873.0	7134.4	7394.0	7627.3	7840.0	8189.4	8547.8	8918.7	9353.0
65°	6483.2	6947.6	7350.8	7715.2	8074.6	8417.6	8735.7	9178.3	9630.9	10119.0	10637.6
67.5°	6592.5	7118.5	7643.6	8134.8	8591.2	9025.4	9434.1	9969.2	10501.8	11067.5	11694.2
69°	6364.8	6887.8	7449.0	7985.6	8489.9	8950.4	9392.8	9939.2	10493.0	11070.6	11702.8
70°	6058.0	6571.6	7138.2	7698.9	8181.3	8661.2	9119.6	9661.6	10222.6	10801.8	11463.6
72.5°	4754.4	5199.6	5752.1	6296.4	6780.4	7261.9	7707.1	8261.8	8826.5	9434.9	10061.5
75°	3168.7	3501.1	3912.7	4417.6	4861.4	5287.0	5718.5	6187.7	6738.6	7240.0	7813.2
77.5°	1794.7	1987.4	2226.6	2554.9	2873.3	3128.1	3435.8	3656.5	3976.4	4252.4	4544.2
80°	923.8	975.8	1047.1	1125.9	1170.8	1163.7	1209.4	1164.1	1174.2	1137.2	1097.8
82.5°	679.1	697.2	729.4	745.2	743.6	691.7	636.5	559.9	492.3	421.5	356.5
85°	461.4	473.0	481.1	493.3	489.9	467.4	417.7	351.2	286.3	229.7	183.8
87.5°	79.9	82.1	81.6	88.4	88.7	82.3	67.7	57.8	48.7	36.3	25.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2	2899.2
2.5°	2905.9	2905.8	2907.5	2905.8	2905.8	2905.9	2905.0	2906.6	2905.8	2903.4	2900.9
5°	2943.8	2941.4	2940.5	2942.1	2943.8	2940.6	2943.0	2945.5	2941.4	2942.2	2940.5
7.5°	3007.4	3006.6	3005.8	3007.4	3007.4	3006.6	3007.4	3004.9	3003.3	3005.8	3008.2
10°	3092.4	3091.6	3093.2	3093.2	3096.6	3094.9	3094.0	3096.6	3094.9	3093.2	3094.1
12.5°	3192.3	3189.8	3194.0	3194.0	3196.4	3196.4	3195.6	3196.4	3195.6	3193.2	3191.5
15°	3281.4	3278.2	3279.0	3285.6	3284.8	3286.4	3286.4	3284.8	3283.9	3283.1	3283.9
17.5°	3335.2	3333.4	3333.5	3336.8	3339.2	3338.4	3338.4	3338.4	3337.6	3338.4	3340.1
20°	3345.0	3345.0	3345.8	3349.2	3353.3	3350.8	3350.8	3352.4	3350.8	3352.4	3353.3
22.5°	3326.0	3327.7	3329.4	3333.5	3334.3	3334.3	3334.3	3335.2	3336.8	3336.8	3338.4
25°	3299.6	3301.3	3303.8	3307.0	3310.4	3310.4	3310.4	3312.0	3312.0	3312.8	3313.7
27.5°	3279.8	3281.4	3284.0	3287.2	3291.4	3291.4	3291.4	3293.0	3293.0	3293.8	3295.5
30°	3282.3	3279.0	3281.4	3283.2	3285.6	3285.6	3284.8	3285.6	3286.4	3286.4	3287.2
32.5°	3317.8	3310.4	3307.8	3307.0	3307.9	3305.4	3304.6	3303.0	3301.3	3301.2	3300.4
35°	3411.9	3400.4	3399.5	3393.0	3386.3	3379.7	3380.5	3375.6	3377.2	3373.1	3369.8
37.5°	3605.1	3591.9	3600.1	3586.1	3577.0	3570.4	3563.0	3553.0	3547.3	3554.7	3554.7
40°	3951.0	3941.9	3939.4	3941.9	3933.6	3937.8	3919.6	3914.6	3903.9	3911.3	3921.2
42.5°	4429.0	4423.2	4454.5	4460.3	4463.6	4468.6	4471.9	4444.6	4443.8	4438.0	4421.5
45°	5019.2	5053.8	5052.2	5090.2	5091.8	5080.3	5085.2	5072.8	5067.9	5049.8	5072.0
47.5°	5626.0	5692.0	5716.8	5725.0	5756.4	5763.8	5734.1	5724.2	5741.5	5711.8	5715.9
50°	6277.3	6348.2	6406.1	6444.9	6467.2	6468.8	6446.5	6441.5	6457.2	6401.1	6427.5
52.5°	6917.9	7025.2	7134.2	7192.0	7233.2	7236.6	7253.9	7233.2	7241.5	7228.3	7254.7
55°	7549.4	7735.2	7863.2	7976.2	8048.0	8110.0	8115.8	8138.0	8139.7	8166.9	8139.7
57.5°	8167.0	8369.2	8592.0	8792.6	8904.1	8974.2	9040.4	9130.3	9150.1	9139.4	9156.7
60°	8895.8	9208.7	9511.7	9742.8	9935.2	10119.2	10218.4	10359.5	10381.8	10442.9	10390.1
62.5°	9817.2	10271.2	10682.3	10993.5	11285.8	11572.2	11788.5	11897.4	11963.5	12091.4	12049.4
65°	11230.4	11775.3	12319.3	12765.1	13174.6	13515.5	13844.0	14000.9	14174.2	14355.9	14388.9
67.5°	12394.4	13068.8	13682.2	14225.4	14721.6	15100.5	15442.2	15713.8	15925.2	16059.0	16069.7
69°	12447.2	13148.2	13814.4	14397.2	14914.8	15317.6	15677.6	15979.7	16185.2	16322.2	16358.6
70°	12194.7	12912.0	13622.0	14210.6	14740.6	15152.6	15533.9	15822.0	16051.6	16191.0	16239.7
72.5°	10773.9	11540.0	12298.6	12814.6	13356.2	13846.6	14152.0	14445.9	14769.5	14811.6	14945.3
75°	8493.0	9136.9	9725.5	10120.1	10572.5	11012.5	11312.2	11389.8	11559.0	11772.0	11696.0
77.5°	4921.8	5119.9	5499.6	5597.1	5514.5	5706.0	5769.6	5634.2	5627.6	5752.2	5504.6
80°	1090.5	1028.6	1106.2	1048.4	1050.1	1051.7	1034.4	1027.8	1040.2	1027.8	1010.4
82.5°	302.2	292.2	293.8	290.6	296.4	292.2	289.8	296.4	295.5	294.7	300.5
85°	145.3	143.6	141.2	140.3	137.0	132.9	126.3	126.3	129.6	124.6	127.1
87.5°	19.0	18.2	18.2	21.5	19.0	15.7	15.7	15.7	14.8	14.8	14.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)