Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: STREETWORKS

Report Number: P149163

Luminaire Tested: **AVM-F06-LED-E-U-RW-8030**

Issue Date: 3/3/2020

Report Generated By E9812814

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P149163
	REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab:	INNOVATION CENTER-P3
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	AVM-F06-LED-E-U-RW-8030
Description:	VISION SITE MEDIUM LED LUMINAIRE
Light Source:	(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13059.4 lumens
Efficiency:	N/A
Efficacy:	83.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type V - Medium - Full Cutoff
BUG Rating:	B3 - U0 - G2

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:	28.75 FT

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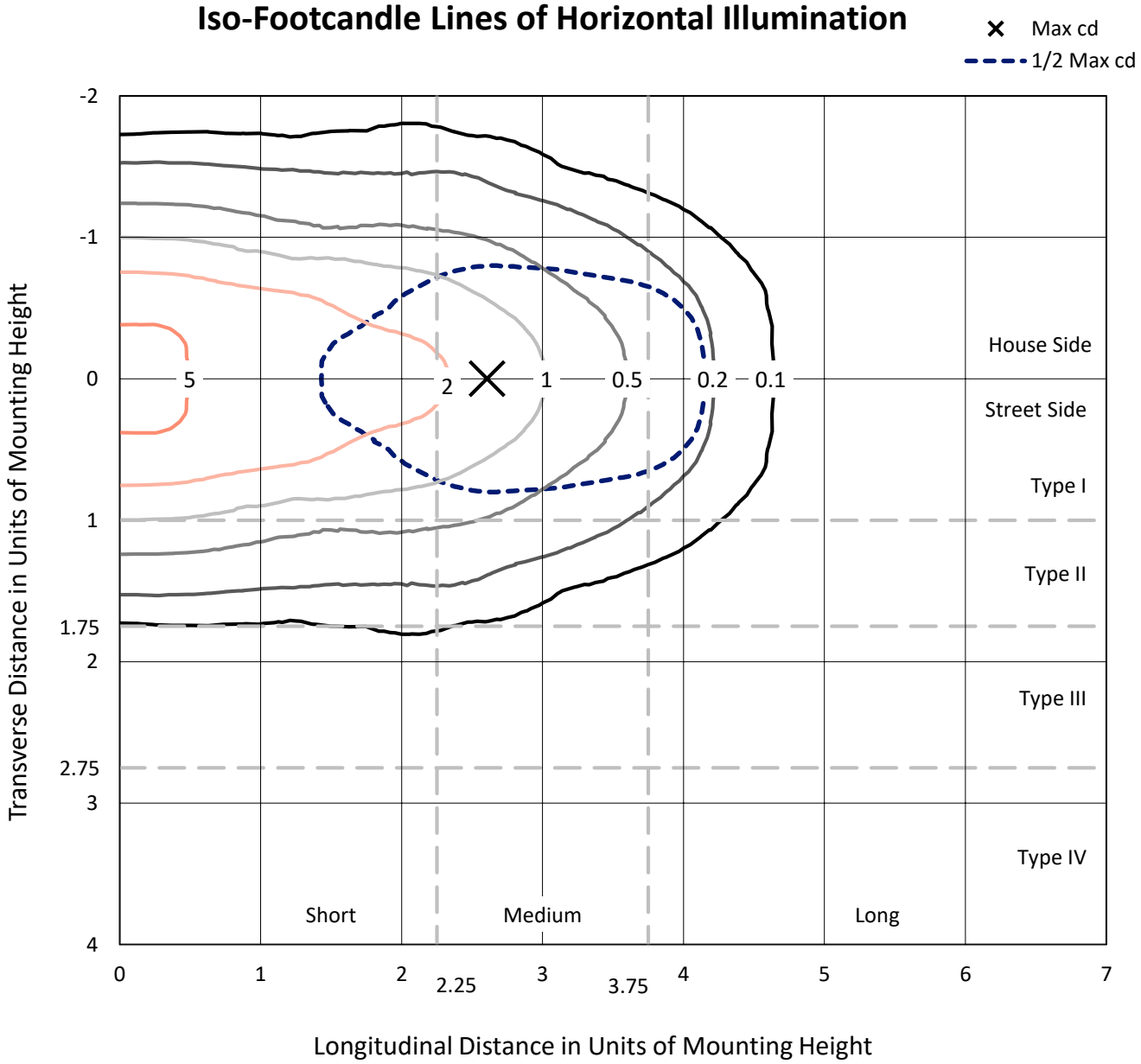
REPORT NUMBER: P149163
CATALOG NUMBER: AVM-F06-LED-E-U-RW-8030

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc
Type V - Medium - Full Cutoff

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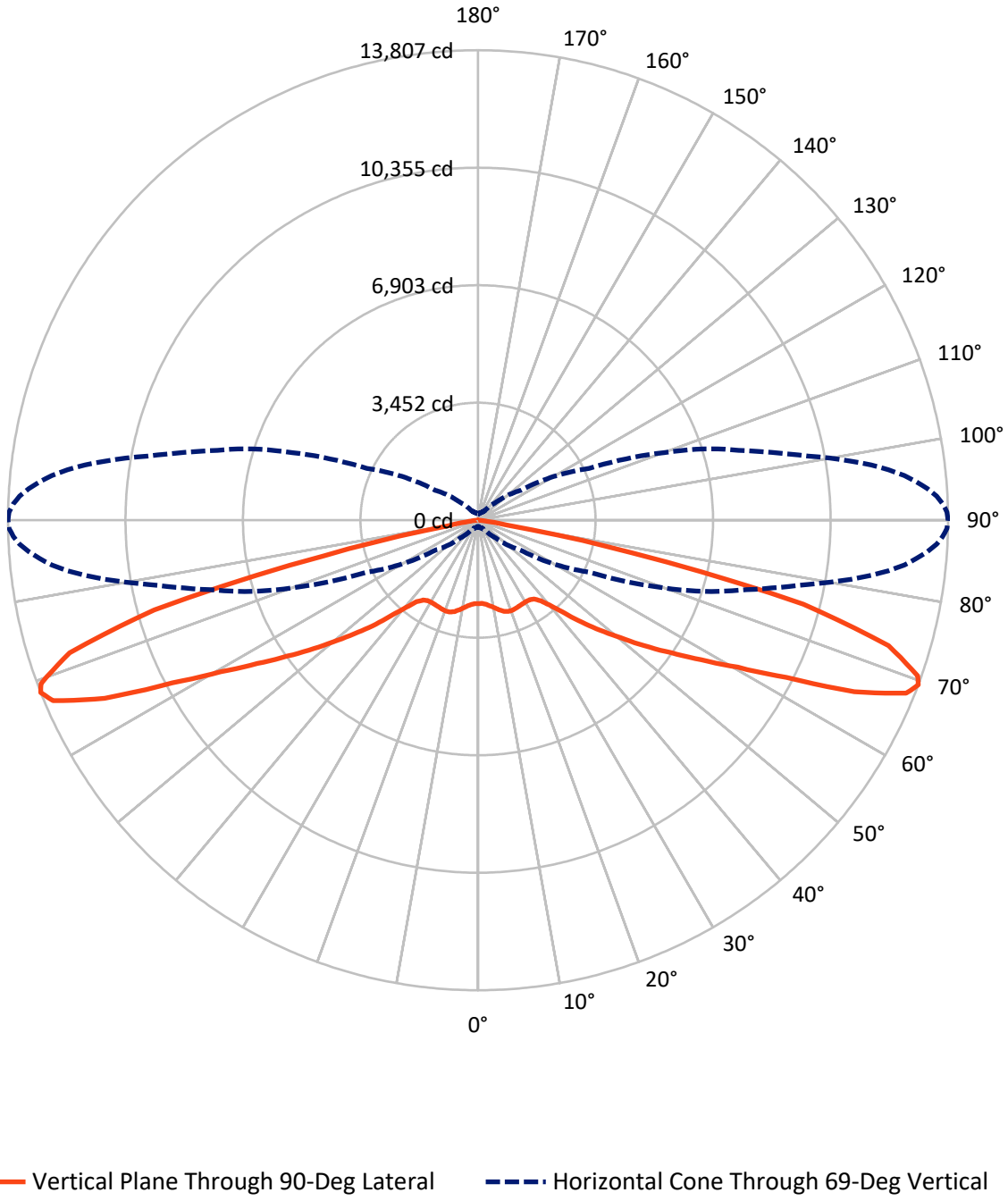
Luminous Intensity Polar Plot



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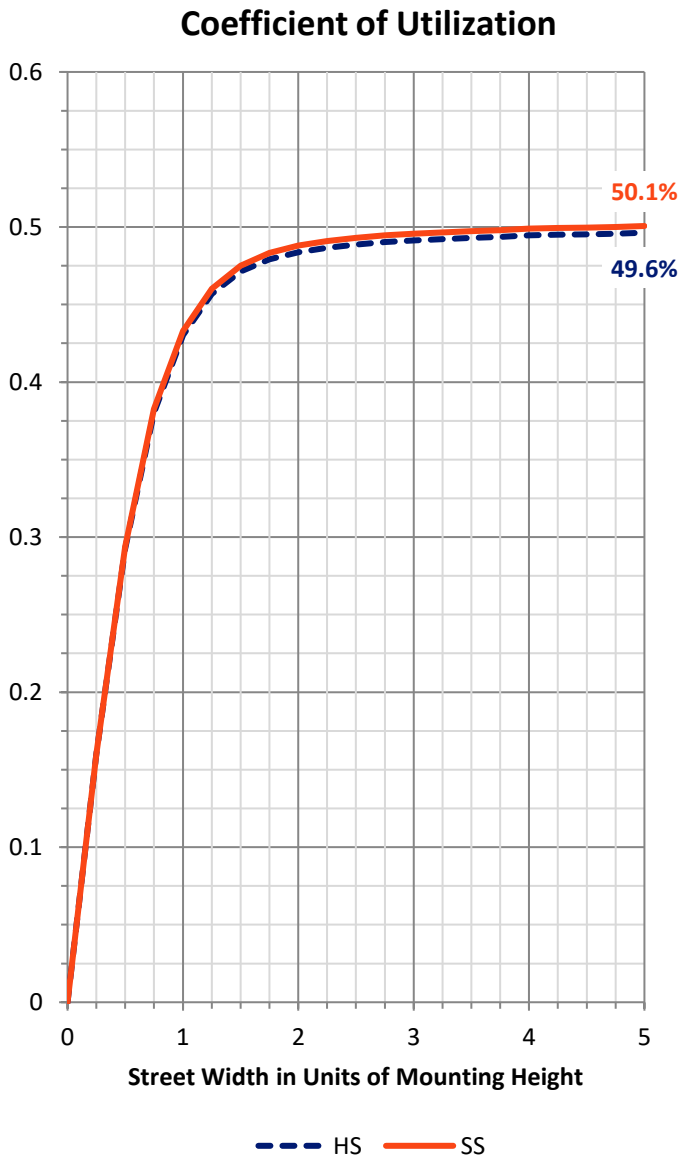
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6529.7	0.0	6529.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6529.7	0.0	6529.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	13059.4	0.0	13059.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.0	1.8
10°-20°	757.2	5.8
20°-30°	1226.7	9.4
30°-40°	1528.8	11.7
40°-50°	1910.4	14.6
50°-60°	2358.9	18.1
60°-70°	2931.0	22.4
70°-80°	1945.8	14.9
80°-90°	160.6	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°	13059.4	100.0
0°-180°	13059.4	100.0



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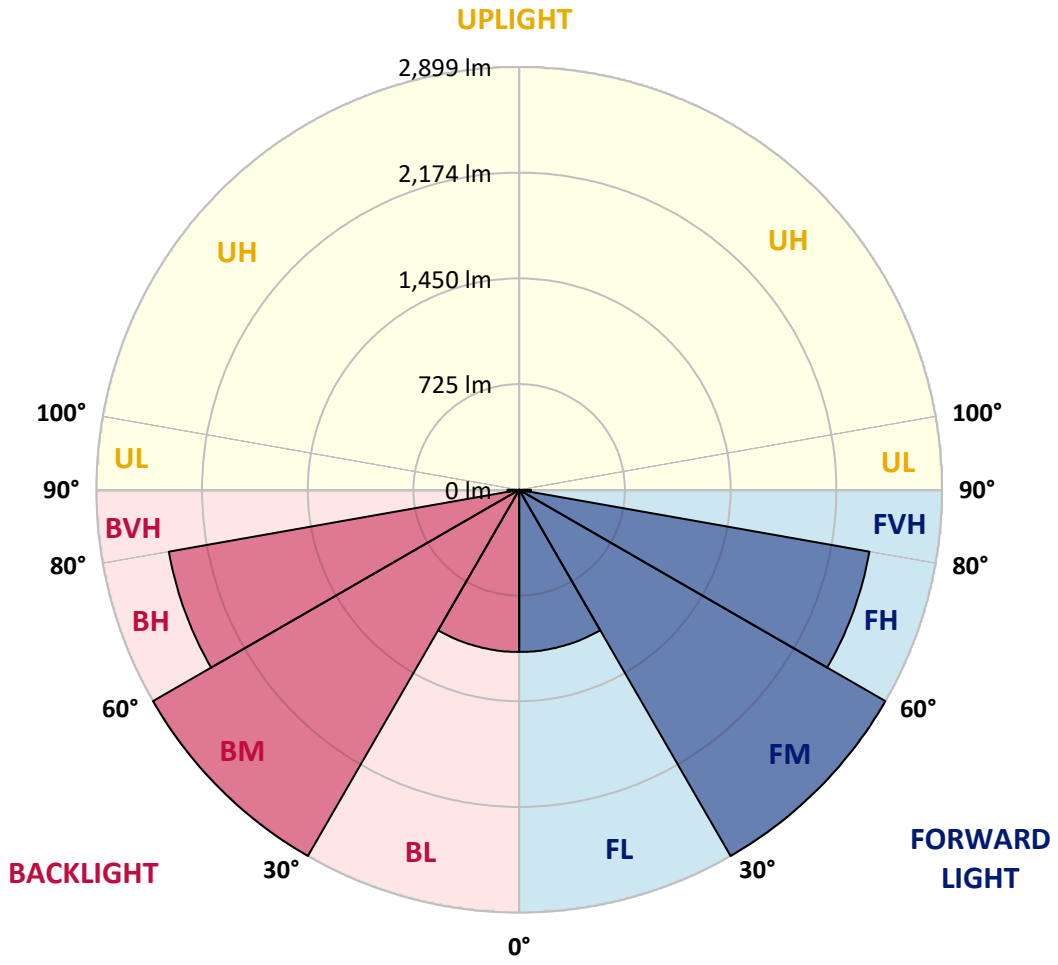
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1111.9	8.5			
FM	(30°-60°)	2899.0	22.2			
FH	(60°-80°)	2438.4	18.7			G2/5000
FVH	(80°-90°)	80.3	0.6			G1/100
BL	(0°-30°)	1111.9	8.5	B3/2500		
BM	(30°-60°)	2899.0	22.2	B3/5000		
BH	(60°-80°)	2438.4	18.7	B3/2500		G2/5000
BVH	(80°-90°)	80.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type V Medium



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REPORT NUMBER: P149163
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9
2.5°	2458.1	2460.2	2458.8	2461.6	2460.8	2460.8	2459.5	2456.7	2456.4	2456.0	2455.6
5°	2481.8	2479.0	2483.2	2487.4	2486.0	2486.6	2486.0	2486.0	2485.7	2485.4	2485.1
7.5°	2506.9	2506.2	2509.0	2520.1	2521.5	2525.6	2530.6	2534.0	2534.2	2534.3	2534.5
10°	2528.4	2529.2	2536.2	2552.2	2560.5	2573.8	2587.0	2597.4	2598.2	2599.0	2599.7
12.5°	2545.8	2546.6	2557.0	2582.1	2602.3	2627.4	2656.0	2672.0	2673.3	2674.7	2676.1
15°	2547.3	2549.4	2567.5	2608.6	2649.0	2690.1	2724.2	2745.9	2747.0	2748.1	2749.2
17.5°	2529.1	2530.6	2561.2	2621.8	2689.4	2753.5	2789.0	2798.8	2799.2	2799.6	2800.1
20°	2481.8	2485.3	2528.4	2618.4	2721.4	2805.0	2842.0	2828.8	2827.4	2826.1	2824.8
22.5°	2405.2	2404.4	2460.8	2582.1	2727.8	2845.5	2878.2	2843.4	2839.3	2835.2	2831.1
25°	2281.1	2289.4	2355.6	2500.6	2692.2	2854.6	2904.0	2851.0	2845.1	2839.2	2833.3
27.5°	2146.6	2151.6	2221.9	2377.2	2609.2	2823.1	2916.6	2866.4	2859.7	2853.1	2846.5
30°	1989.8	1996.2	2071.4	2233.8	2476.2	2742.4	2913.0	2901.2	2893.5	2885.7	2878.0
32.5°	1836.6	1843.6	1911.2	2088.8	2336.1	2631.6	2892.2	2950.7	2942.8	2934.8	2926.9
35°	1677.7	1688.2	1770.4	1950.2	2201.0	2508.2	2860.1	3014.1	3009.7	3005.3	3000.9
37.5°	1546.1	1548.2	1627.6	1816.4	2075.6	2390.5	2817.6	3094.2	3097.4	3100.6	3103.8
40°	1399.1	1412.3	1491.7	1691.0	1962.0	2290.9	2777.2	3202.9	3219.6	3236.2	3252.8
42.5°	1267.4	1268.8	1349.6	1555.1	1838.7	2210.7	2754.9	3333.8	3369.5	3405.1	3440.7
45°	1128.8	1134.3	1207.4	1406.0	1696.6	2116.0	2754.2	3485.0	3541.9	3598.8	3655.6
47.5°	997.8	999.8	1077.2	1261.8	1533.5	1983.6	2749.3	3647.4	3724.8	3802.2	3879.6
50°	872.4	870.2	946.2	1123.8	1372.6	1810.2	2706.8	3831.3	3929.1	4026.8	4124.6
52.5°	728.8	738.6	817.3	987.2	1226.2	1633.8	2582.8	4032.7	4149.6	4266.5	4383.4
55°	588.0	592.2	676.5	835.4	1077.8	1469.4	2366.8	4218.0	4355.9	4493.7	4631.5
57.5°	433.4	445.9	519.8	676.6	927.4	1330.8	2092.3	4314.2	4481.9	4649.6	4817.3
60°	305.8	315.6	381.1	512.8	762.2	1185.2	1856.1	4260.6	4478.5	4696.4	4914.4
62.5°	238.3	246.0	298.2	383.9	594.3	1039.6	1686.8	4087.0	4383.6	4680.1	4976.6
65°	209.0	216.0	263.4	307.2	443.8	891.1	1594.2	3903.8	4295.8	4687.8	5079.8
67.5°	188.8	197.2	238.3	269.0	361.6	777.6	1569.8	3788.2	4232.1	4676.1	5120.0
69°	*179.8*	*188.1*	*225.0*	*250.8*	*335.8*	*737.2*	*1528.0*	*3606.3*	*4047.7*	*4489.1*	*4930.5*
70°	174.2	181.1	215.3	241.8	327.4	709.3	1458.2	3379.2	3812.6	4246.0	4679.5
72.5°	161.6	165.1	195.1	220.8	303.8	573.4	1121.8	2509.6	2885.4	3261.1	3636.9
75°	142.8	147.0	174.9	200.0	236.9	356.0	710.0	1552.4	1832.8	2113.4	2393.9
77.5°	123.3	126.8	151.2	191.0	184.0	222.3	424.3	864.0	1026.6	1189.3	1352.0
80°	99.0	103.1	124.7	189.5	151.9	172.8	305.2	604.1	648.0	691.9	735.8
82.5°	72.4	76.0	97.6	153.2	116.4	130.2	232.8	512.1	527.4	542.6	557.9
85°	37.0	37.6	62.0	93.4	73.8	67.6	131.0	350.4	360.2	370.0	379.7
87.5°	6.2	6.2	14.0	16.0	18.1	11.2	16.7	59.9	61.8	63.7	65.5
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: AVM-F06-LED-E-U-RW-8030

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9
2.5°	2455.3	2455.0	2453.8	2454.0	2454.9	2454.4	2455.3	2455.4	2456.3	2453.6	2453.1
5°	2484.8	2484.5	2484.4	2484.3	2484.8	2484.7	2485.2	2486.4	2486.1	2484.4	2484.1
7.5°	2534.6	2534.7	2535.4	2534.7	2536.1	2535.4	2534.0	2536.2	2537.8	2537.9	2539.5
10°	2600.5	2601.3	2603.7	2603.4	2605.8	2605.5	2605.8	2608.2	2609.9	2610.1	2611.8
12.5°	2677.5	2678.9	2680.2	2681.4	2684.1	2682.5	2685.9	2687.3	2689.4	2693.6	2691.5
15°	2750.3	2751.4	2755.2	2755.5	2757.9	2758.8	2761.9	2763.2	2763.7	2767.0	2767.6
17.5°	2800.5	2800.9	2802.3	2801.6	2803.7	2803.0	2805.0	2806.2	2808.0	2809.8	2813.0
20°	2823.5	2822.1	2821.4	2820.6	2819.1	2817.0	2817.6	2818.6	2818.9	2820.5	2822.9
22.5°	2826.9	2822.8	2818.6	2815.7	2811.4	2807.9	2804.4	2804.6	2804.9	2804.5	2806.2
25°	2827.3	2821.4	2814.8	2806.8	2800.9	2792.9	2786.2	2785.7	2783.7	2783.9	2784.7
27.5°	2839.9	2833.3	2824.0	2814.7	2802.0	2791.3	2780.7	2776.9	2773.1	2770.8	2769.8
30°	2870.3	2862.5	2851.5	2839.7	2825.8	2809.2	2793.9	2789.2	2783.7	2779.0	2775.0
32.5°	2918.9	2911.0	2898.7	2886.4	2867.9	2851.5	2836.4	2828.7	2821.1	2812.7	2805.1
35°	2996.5	2992.1	2981.3	2970.5	2957.0	2944.1	2930.4	2921.8	2909.0	2902.5	2893.1
37.5°	3107.0	3110.2	3110.2	3111.6	3107.4	3101.2	3091.4	3082.3	3078.2	3060.7	3049.6
40°	3269.5	3286.2	3301.4	3313.2	3323.6	3334.0	3343.0	3337.6	3339.3	3334.7	3328.0
42.5°	3476.3	3511.9	3544.4	3576.9	3600.4	3637.2	3662.8	3670.8	3691.4	3699.5	3714.6
45°	3712.5	3769.3	3823.9	3874.4	3921.4	3973.9	4025.0	4063.1	4104.6	4151.7	4198.8
47.5°	3957.0	4034.4	4114.9	4180.8	4248.7	4326.4	4394.3	4451.6	4526.3	4595.4	4671.5
50°	4222.3	4320.1	4411.7	4492.9	4580.4	4669.9	4762.9	4847.0	4948.0	5058.6	5178.3
52.5°	4500.4	4617.3	4723.3	4825.2	4927.8	5030.3	5129.4	5248.2	5372.7	5518.7	5668.2
55°	4769.3	4907.1	5027.4	5140.6	5258.1	5372.8	5475.0	5634.0	5786.7	5961.0	6156.2
57.5°	4985.0	5152.7	5291.4	5425.9	5558.4	5680.4	5805.9	5985.2	6179.9	6383.6	6631.2
60°	5132.3	5350.2	5527.4	5689.1	5851.6	6005.0	6149.3	6383.8	6615.4	6868.5	7176.8
62.5°	5273.2	5569.7	5800.8	6021.3	6240.5	6437.4	6616.9	6911.7	7214.3	7527.2	7893.9
65°	5471.7	5863.7	6204.0	6511.6	6814.9	7104.4	7372.8	7746.5	8128.4	8540.3	8978.0
67.5°	5564.0	6008.0	6451.1	6865.6	7250.9	7617.4	7962.3	8413.9	8863.5	9340.8	9869.8
69°	*5371.9*	*5813.2*	*6286.9*	*6739.8*	*7165.4*	*7554.1*	*7927.4*	*8388.6*	*8855.9*	*9343.5*	*9877.0*
70°	5112.9	5546.4	6024.5	6497.8	6904.9	7310.0	7696.8	8154.3	8627.8	9116.6	9675.1
72.5°	4012.6	4388.4	4854.7	5314.1	5722.6	6129.0	6504.7	6972.9	7449.5	7963.0	8491.8
75°	2674.4	2954.9	3302.3	3728.4	4102.9	4462.2	4826.3	5222.3	5687.3	6110.5	6594.3
77.5°	1514.7	1677.4	1879.2	2156.3	2425.1	2640.1	2899.9	3086.1	3356.0	3589.0	3835.2
80°	779.6	823.5	883.7	950.2	988.1	982.1	1020.7	982.5	991.0	959.8	926.5
82.5°	573.1	588.4	615.6	628.9	627.6	583.8	537.2	472.5	415.5	355.8	300.9
85°	389.5	399.2	406.0	416.4	413.4	394.5	352.6	296.4	241.6	193.8	155.1
87.5°	67.4	69.3	68.8	74.6	74.8	69.4	57.1	48.7	41.1	30.6	21.6
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°	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	2446.9	*2446.9*
2.5°	2452.5	2452.5	2453.9	2452.5	2452.5	2452.5	2451.8	2453.2	2452.5	2450.4	*2448.3*
5°	2484.6	2482.4	2481.8	2483.2	2484.6	2481.8	2483.9	2486.0	2482.5	2483.2	*2481.8*
7.5°	2538.2	2537.5	2536.8	2538.2	2538.2	2537.5	2538.2	2536.2	2534.8	2536.8	*2538.9*
10°	2610.0	2609.3	2610.6	2610.6	2613.4	2612.0	2611.4	2613.4	2612.0	2610.6	*2611.4*
12.5°	2694.3	2692.2	2695.6	2695.6	2697.8	2697.8	2697.0	2697.8	2697.0	2695.0	*2693.6*
15°	2769.6	2766.8	2767.4	2773.0	2772.3	2773.7	2773.7	2772.3	2771.6	2770.9	*2771.6*
17.5°	2814.8	2813.4	2813.4	2816.2	2818.3	2817.6	2817.6	2817.6	2816.9	2817.6	*2819.0*
20°	2823.2	2823.2	2823.9	2826.6	2830.1	2828.0	2828.0	2829.4	2828.0	2829.4	*2830.1*
22.5°	2807.1	2808.6	2810.0	2813.4	2814.1	2814.1	2814.1	2814.9	2816.2	2816.2	*2817.6*
25°	2784.8	2786.2	2788.4	2791.1	2793.9	2793.9	2793.9	2795.3	2795.3	2796.0	*2796.7*
27.5°	2768.1	2769.6	2771.6	2774.4	2777.8	2777.8	2777.8	2779.3	2779.3	2780.0	*2781.4*
30°	2770.2	2767.4	2769.5	2770.9	2773.0	2773.0	2772.4	2773.0	2773.7	2773.8	*2774.4*
32.5°	2800.1	2793.9	2791.8	2791.2	2791.8	2789.8	2789.0	2787.6	2786.2	2786.2	*2785.5*
35°	2879.6	2869.9	2869.2	2863.6	2858.0	2852.4	2853.1	2849.0	2850.4	2846.8	*2844.1*
37.5°	3042.6	3031.5	3038.4	3026.6	3019.0	3013.4	3007.2	2998.8	2993.9	3000.2	*3000.1*
40°	3334.6	3327.0	3324.8	3327.0	3320.0	3323.4	3308.1	3304.0	3294.8	3301.1	*3309.5*
42.5°	3738.0	3733.1	3759.6	3764.4	3767.2	3771.4	3774.2	3751.2	3750.6	3745.6	*3731.7*
45°	4236.2	4265.4	4264.0	4296.0	4297.5	4287.7	4291.9	4281.4	4277.3	4262.0	*4280.7*
47.5°	4748.2	4804.0	4824.9	4831.8	4858.4	4864.6	4839.5	4831.2	4845.8	4820.7	*4824.2*
50°	5298.0	5357.9	5406.6	5439.4	5458.2	5459.6	5440.8	5436.6	5449.8	5402.5	*5424.8*
52.5°	5838.6	5929.2	6021.2	6070.0	6104.8	6107.5	6122.2	6104.8	6111.8	6100.7	*6122.9*
55°	6371.6	6528.4	6636.4	6731.8	6792.4	6844.8	6849.6	6868.4	6869.8	6892.8	*6869.8*
57.5°	6892.8	7063.5	7251.6	7420.9	7515.0	7574.2	7630.0	7705.9	7722.6	7713.6	*7728.2*
60°	7508.0	7772.1	8027.8	8222.8	8385.2	8540.6	8624.2	8743.3	8762.2	8813.7	*8769.1*
62.5°	8285.6	8668.8	9015.8	9278.4	9525.1	9766.8	9949.4	10041.4	10097.1	10205.1	*10169.6*
65°	9478.4	9938.2	10397.4	10773.6	11119.2	11407.0	11684.2	11816.7	11963.0	12116.2	*12144.1*
67.5°	10460.8	11030.0	11547.7	12006.2	12424.9	12744.7	13033.1	13262.4	13440.8	13553.6	*13562.7*
69°	*10505.3*	*11096.9*	*11659.2*	*12151.0*	*12587.9*	*12928.0*	*13231.7*	*13486.7*	*13660.2*	*13775.8*	*13806.5*
70°	10292.2	10897.6	11496.8	11993.6	12440.9	12788.6	13110.4	13353.6	13547.3	13665.0	*13706.2*
72.5°	9093.1	9739.6	10380.0	10815.4	11272.5	11686.4	11944.2	12192.2	12465.3	12500.8	*12613.7*
75°	7168.0	7711.5	8208.2	8541.3	8923.0	9294.4	9547.3	9612.9	9755.6	9935.4	*9871.3*
77.5°	4153.9	4321.2	4641.6	4723.9	4654.2	4815.8	4869.5	4755.2	4749.6	4854.8	*4645.8*
80°	920.4	868.1	933.6	884.8	886.2	887.6	873.0	867.4	877.9	867.4	*852.8*
82.5°	255.0	246.6	248.0	245.2	250.2	246.6	244.6	250.1	249.4	248.8	*253.6*
85°	122.6	121.2	119.2	118.4	115.6	112.2	106.6	106.6	109.4	105.2	*107.3*
87.5°	16.0	15.3	15.3	18.1	16.0	13.2	13.2	13.2	12.5	12.5	*12.5*
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)