

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: P158024

Luminaire Tested: **VST-F06-LED-E-U-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158024
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33711)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F06-LED-E-U-RW-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14094 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Medium - 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: 28.75 FT

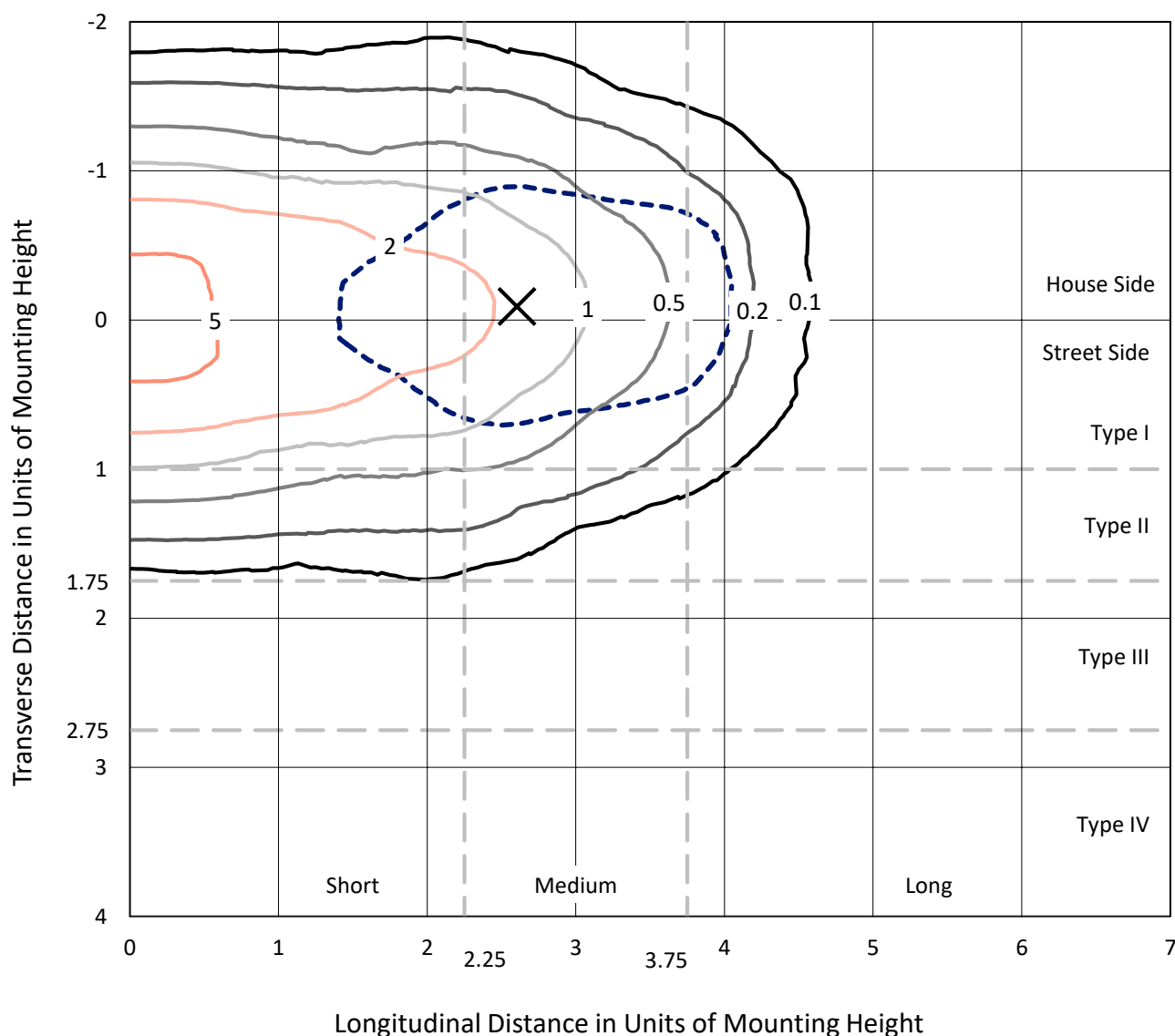


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

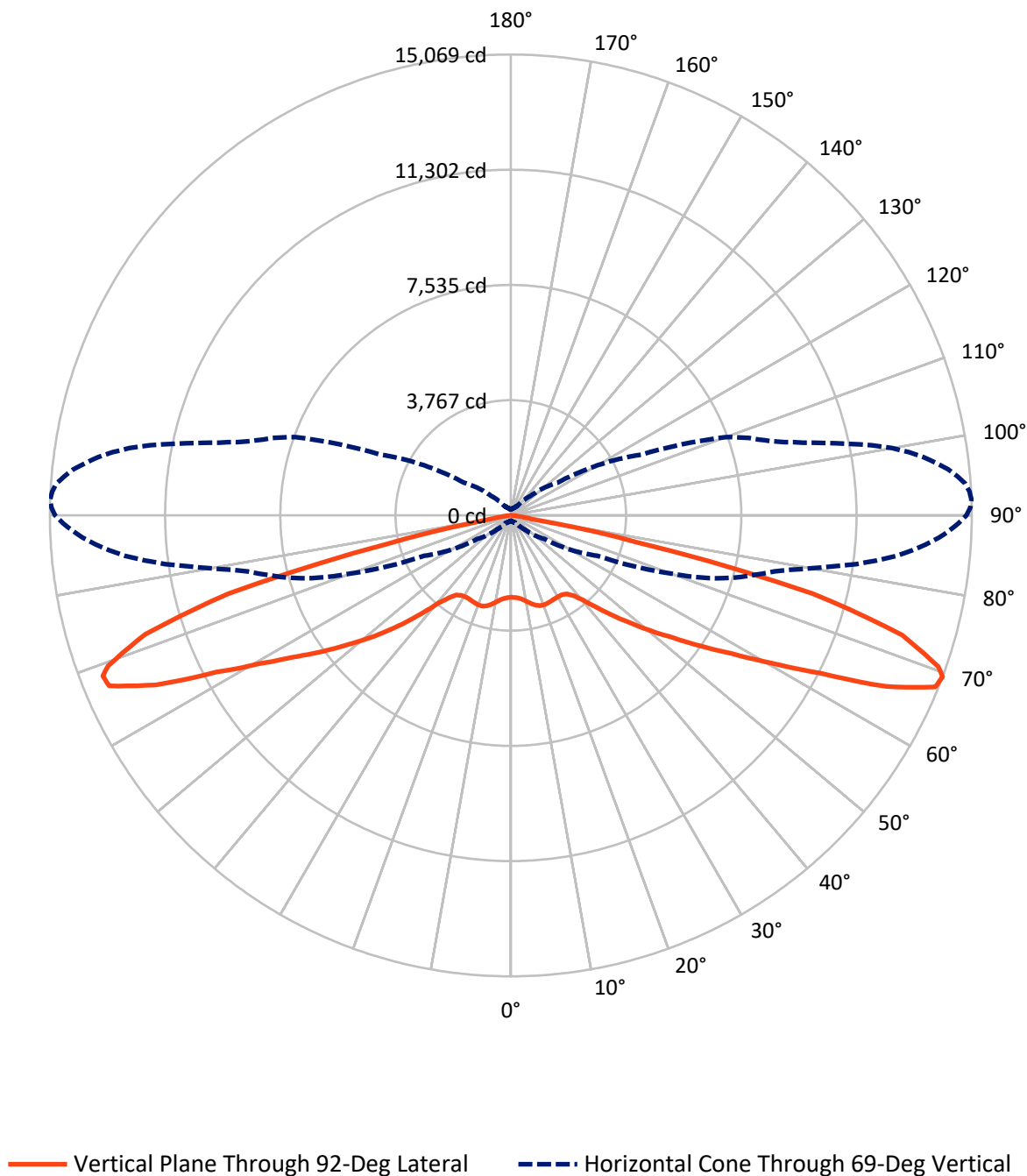


Based on 20 foot mounting height. Maximum calculated value = 6.9 fc
 Type I - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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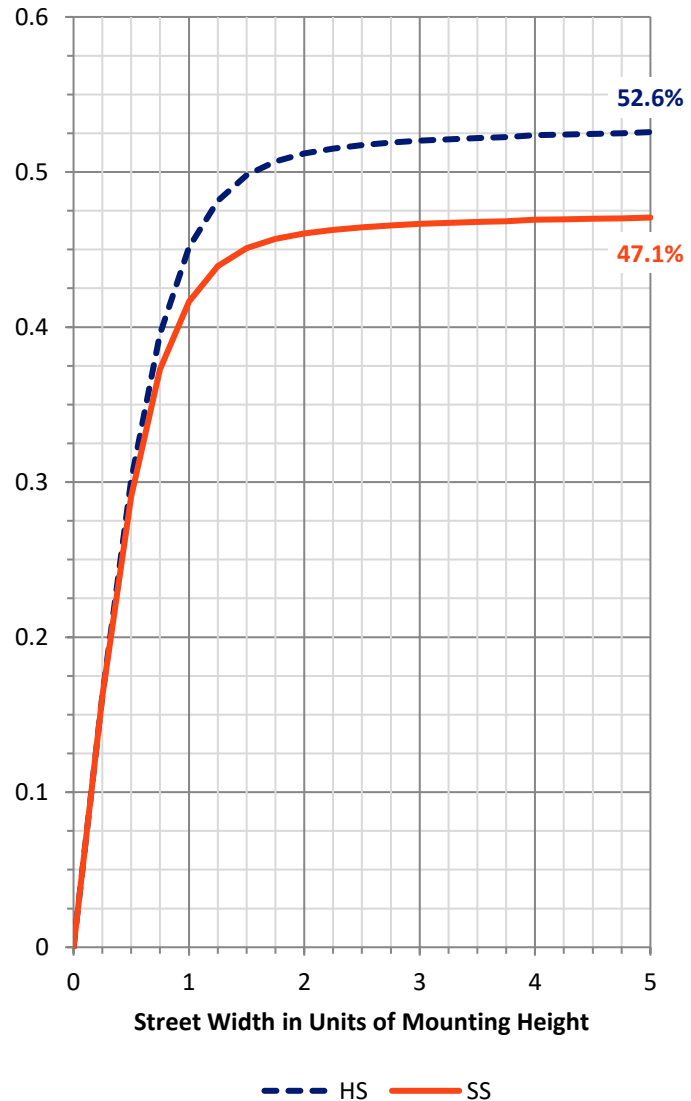
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7474.8	0.0	7474.8
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	6619.2	0.0	6619.2
	% Fixture	47.0	0.0	47.0
Total	Lumens	14094.0	0.0	14094.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.0	1.9
10°-20°	827.6	5.9
20°-30°	1342.7	9.5
30°-40°	1673.3	11.9
40°-50°	2083.5	14.8
50°-60°	2569.4	18.2
60°-70°	3191.1	22.6
70°-80°	1960.7	13.9
80°-90°	183.8	1.3
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°	14094.0	100.0
0°-180°	14094.0	100.0

Coefficient of Utilization



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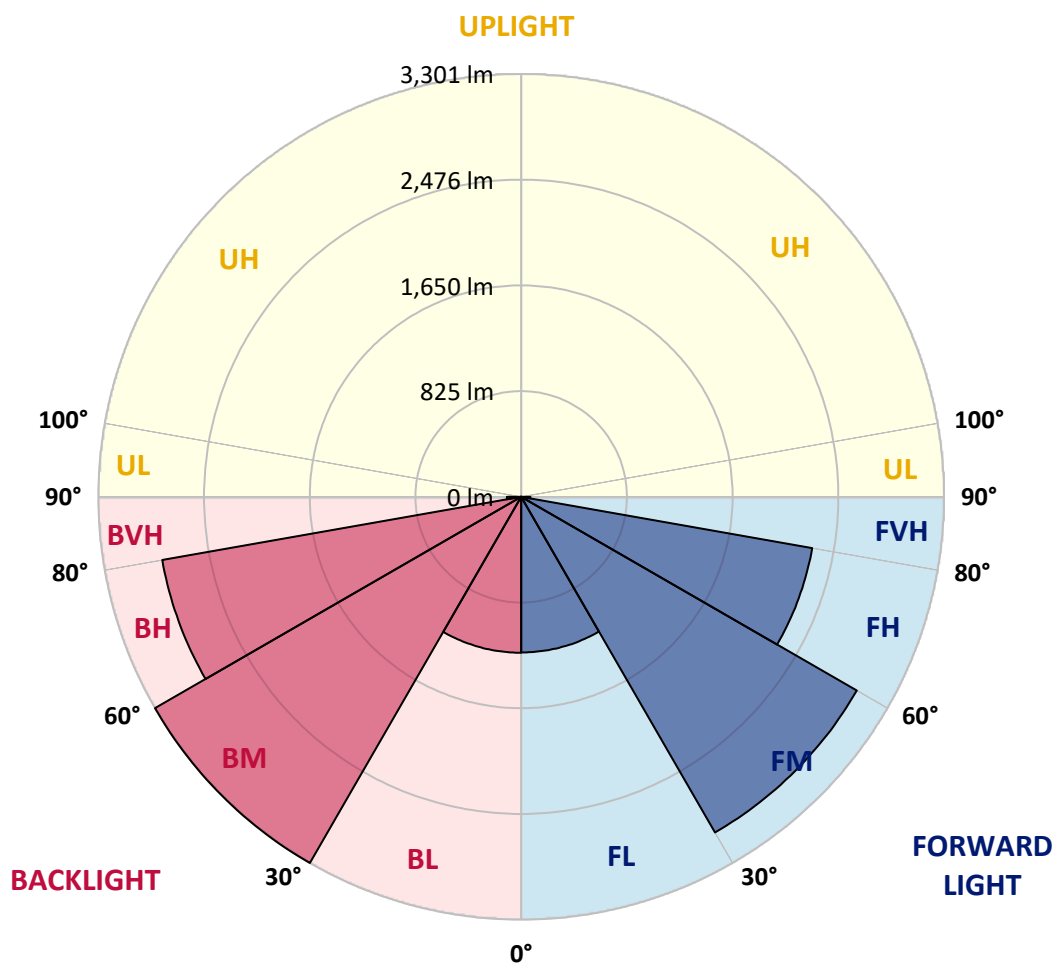
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1214.8	8.6			
FM	(30°-60°)	3025.4	21.5			
FH	(60°-80°)	2307.0	16.4			G2/5000
FVH	(80°-90°)	72.0	0.5			G1/100
BL	(0°-30°)	1217.4	8.6	B3/2500		
BM	(30°-60°)	3300.8	23.4	B3/5000		
BH	(60°-80°)	2844.8	20.2	B4/5000		G4/5000
BVH	(80°-90°)	111.8	0.8			G2/225
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3
2.5°	2719.8	2712.6	2718.9	2719.8	2718.9	2718.9	2710.8	2708.9	2698.1	2700.8	2699.9
5°	2756.9	2754.2	2758.7	2760.5	2762.3	2758.7	2752.4	2749.7	2742.4	2739.7	2738.8
7.5°	2791.3	2786.8	2794.0	2800.3	2804.9	2805.8	2806.7	2802.1	2802.1	2798.5	2798.5
10°	2820.2	2816.6	2828.4	2836.5	2851.0	2859.1	2868.2	2874.5	2878.1	2879.0	2878.1
12.5°	2832.9	2830.2	2849.2	2873.6	2900.8	2919.8	2942.4	2958.7	2963.2	2962.3	2966.8
15°	2811.2	2813.0	2842.0	2889.9	2947.8	2995.8	3027.4	3041.0	3044.6	3046.4	3047.3
17.5°	2752.4	2756.0	2797.6	2875.4	2976.8	3063.6	3110.7	3110.7	3103.4	3103.4	3102.5
20°	2658.3	2661.9	2716.2	2828.4	2977.7	3110.7	3177.6	3164.1	3136.9	3131.5	3126.1
22.5°	2528.0	2542.5	2602.2	2732.5	2938.8	3124.2	3219.3	3199.3	3156.8	3145.1	3136.9
25°	2380.5	2378.7	2450.2	2596.8	2844.7	3091.7	3231.0	3227.4	3182.2	3169.5	3155.0
27.5°	2212.2	2217.6	2283.7	2432.1	2700.8	2997.6	3211.1	3259.1	3222.0	3209.3	3195.7
30°	2039.4	2044.8	2107.3	2280.1	2537.0	2862.8	3170.4	3289.8	3275.3	3265.4	3256.3
32.5°	1865.7	1867.5	1941.7	2127.2	2398.6	2701.7	3108.9	3317.9	3337.8	3333.3	3329.6
35°	1702.8	1704.6	1785.2	1973.4	2262.0	2564.2	3034.7	3358.6	3422.8	3428.3	3431.9
37.5°	1544.5	1547.2	1629.5	1826.8	2127.2	2460.1	2952.3	3421.0	3542.3	3562.2	3565.8
40°	1387.0	1389.8	1468.5	1677.5	1990.5	2368.7	2889.0	3508.8	3703.3	3730.5	3758.5
42.5°	1236.9	1246.8	1313.8	1513.7	1838.5	2255.6	2861.9	3615.5	3894.2	3936.8	3968.4
45°	1096.6	1097.5	1173.5	1360.8	1658.5	2102.7	2843.8	3736.8	4107.8	4172.0	4215.4
47.5°	946.4	957.3	1036.9	1218.8	1490.2	1913.6	2785.9	3878.8	4340.3	4415.4	4503.2
50°	800.7	816.1	893.0	1073.1	1336.4	1718.2	2630.2	4045.3	4601.8	4699.5	4800.8
52.5°	660.5	659.6	741.0	928.3	1181.7	1552.6	2377.8	4220.0	4904.0	5008.9	5118.4
55°	499.4	499.4	580.0	751.0	1014.3	1405.1	2107.3	4328.5	5184.5	5311.1	5430.6
57.5°	342.9	352.0	428.0	575.4	839.6	1270.3	1900.1	4266.1	5398.9	5556.3	5698.4
60°	254.2	263.3	319.4	413.5	656.9	1111.1	1744.4	3972.0	5528.3	5737.3	5921.9
62.5°	219.9	226.2	279.6	331.2	473.2	941.9	1606.9	3598.4	5714.7	6000.6	6257.5
65°	196.3	202.7	256.1	285.9	370.1	757.3	1530.0	3384.8	5937.2	6374.3	6747.0
67.5°	181.9	189.1	234.3	256.1	323.0	684.9	1470.3	3335.1	5935.4	6465.6	6941.6
69°	174.6	180.1	217.2	240.7	312.2	663.2	1340.9	3118.8	5543.7	6112.8	6590.5
70°	170.1	175.5	207.2	230.7	308.5	624.3	1221.5	2832.9	5097.6	5670.3	6155.3
72.5°	155.6	161.1	184.6	206.3	257.0	417.1	851.4	1813.2	3642.7	4051.7	4606.3
75°	137.5	143.9	162.0	180.1	194.5	241.6	491.3	941.0	2082.8	2393.2	2887.2
77.5°	112.2	118.5	137.5	166.5	164.7	183.7	319.4	578.2	975.4	1209.7	1392.5
80°	92.3	96.8	113.1	168.3	134.8	153.8	258.8	474.1	686.7	759.1	802.6
82.5°	61.5	67.9	87.8	132.1	103.1	109.5	193.6	443.3	580.9	637.0	689.5
85°	29.0	31.7	53.4	70.6	62.4	58.8	110.4	313.1	432.5	458.7	478.6
87.5°	0.0	0.0	2.7	5.4	8.1	8.1	19.9	66.0	121.2	146.6	144.8
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3
2.5°	2696.3	2697.2	2696.3	2696.3	2695.4	2693.6	2693.6	2691.8	2692.7	2691.8	2693.6
5°	2737.9	2737.9	2735.2	2733.4	2736.1	2733.4	2734.3	2729.8	2729.8	2727.0	2723.4
7.5°	2797.6	2797.6	2798.5	2793.1	2796.7	2797.6	2794.9	2793.1	2791.3	2786.8	2787.7
10°	2877.2	2877.2	2880.0	2872.7	2876.3	2878.1	2879.0	2879.0	2877.2	2869.1	2870.0
12.5°	2965.9	2964.1	2965.0	2961.4	2965.0	2966.8	2968.6	2966.8	2966.8	2965.0	2964.1
15°	3046.4	3045.5	3047.3	3044.6	3045.5	3047.3	3052.8	3051.9	3051.0	3045.5	3045.5
17.5°	3101.6	3098.9	3097.1	3096.2	3096.2	3095.3	3096.2	3096.2	3093.5	3092.6	3092.6
20°	3122.4	3115.2	3110.7	3108.0	3104.3	3102.5	3100.7	3101.6	3099.8	3097.1	3098.0
22.5°	3126.1	3116.1	3107.1	3098.9	3091.7	3087.2	3082.6	3080.8	3076.3	3073.6	3073.6
25°	3143.2	3127.9	3113.4	3099.8	3089.0	3079.0	3069.1	3061.8	3056.4	3050.1	3048.2
27.5°	3181.2	3165.0	3147.8	3130.6	3116.1	3096.2	3082.6	3068.2	3055.5	3045.5	3038.3
30°	3240.1	3223.8	3206.6	3186.7	3167.7	3146.9	3124.2	3107.1	3089.0	3069.1	3058.2
32.5°	3317.9	3307.0	3289.8	3270.8	3253.6	3231.9	3204.8	3178.5	3161.3	3137.8	3120.6
35°	3429.2	3416.5	3411.1	3402.9	3385.7	3372.2	3342.3	3317.9	3301.6	3269.0	3256.3
37.5°	3581.2	3580.3	3584.8	3582.1	3584.8	3567.6	3554.0	3553.1	3529.6	3497.9	3467.2
40°	3788.4	3799.2	3823.7	3840.8	3857.1	3858.9	3877.9	3858.0	3860.7	3856.2	3824.6
42.5°	4024.5	4061.6	4090.6	4141.2	4180.1	4216.3	4240.8	4274.2	4299.6	4322.2	4327.6
45°	4287.8	4343.0	4410.0	4455.2	4531.2	4591.8	4675.1	4739.3	4806.3	4872.3	4895.8
47.5°	4573.7	4642.5	4716.7	4800.8	4896.7	4991.7	5120.2	5218.8	5326.5	5416.1	5495.7
50°	4889.5	4961.0	5060.5	5157.3	5289.4	5398.9	5567.2	5696.6	5870.3	5989.7	6092.9
52.5°	5218.8	5308.4	5419.7	5526.5	5661.3	5801.5	5988.8	6179.7	6388.7	6569.7	6719.9
55°	5540.9	5651.3	5758.1	5883.0	6032.2	6195.1	6406.8	6658.4	6918.9	7126.1	7325.2
57.5°	5827.8	5955.3	6081.1	6207.8	6360.7	6549.8	6787.8	7059.2	7357.8	7633.7	7907.0
60°	6093.8	6246.7	6400.5	6558.8	6734.4	6967.8	7253.7	7587.6	7973.9	8351.2	8708.6
62.5°	6514.5	6715.4	6906.3	7110.8	7322.5	7596.6	7934.1	8372.0	8815.4	9286.8	9653.2
65°	7084.5	7366.8	7616.5	7881.6	8155.8	8522.2	8925.8	9449.6	10084.8	10568.0	11156.1
67.5°	7367.7	7739.6	8060.8	8355.8	8695.1	9065.1	9544.7	10164.4	10842.1	11542.4	12198.4
69°	7034.8	7418.4	7774.0	8104.2	8447.1	8806.3	9307.6	9943.7	10660.3	11417.6	12058.2
70°	6603.2	6986.8	7365.9	7742.3	8055.4	8405.5	8908.6	9564.6	10280.2	11067.4	11702.6
72.5°	5058.7	5520.1	5863.1	6215.9	6578.7	6875.5	7456.4	8009.2	8754.8	9553.7	10253.1
75°	3236.4	3660.8	4035.4	4335.8	4690.4	5046.0	5474.9	6089.3	6556.1	7212.1	7779.4
77.5°	1663.0	1788.8	2149.8	2257.5	2503.6	2697.2	2933.3	3087.2	3467.2	3547.7	3882.5
80°	788.1	710.3	668.6	630.6	641.5	637.0	618.0	592.6	624.3	610.7	605.3
82.5°	686.7	612.5	488.6	415.3	359.2	304.9	262.4	240.7	243.4	250.6	253.3
85°	481.3	452.4	352.9	267.8	209.0	162.0	130.3	124.9	128.5	138.4	134.8
87.5°	139.3	145.7	128.5	89.6	62.4	45.2	35.3	39.8	38.0	37.1	38.9
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3
2.5°	2693.6	2692.7	2689.9	2687.2	2687.2	2685.4	2687.2	2688.1	2687.2	2687.2	2685.4
5°	2724.3	2725.2	2727.9	2722.5	2721.6	2722.5	2718.9	2718.0	2715.3	2718.0	2714.4
7.5°	2783.1	2785.9	2785.9	2782.2	2781.3	2784.0	2778.6	2776.8	2774.1	2773.2	2772.3
10°	2870.9	2873.6	2869.1	2866.4	2863.7	2867.3	2862.8	2862.8	2860.0	2857.3	2856.4
12.5°	2968.6	2966.8	2965.0	2966.8	2964.1	2964.1	2961.4	2959.6	2958.7	2957.8	2956.0
15°	3044.6	3051.0	3051.0	3052.8	3051.0	3051.0	3047.3	3048.2	3046.4	3045.5	3046.4
17.5°	3093.5	3095.3	3099.8	3102.5	3102.5	3103.4	3101.6	3103.4	3101.6	3101.6	3105.2
20°	3099.8	3101.6	3106.2	3110.7	3113.4	3115.2	3115.2	3117.9	3119.7	3121.5	3126.1
22.5°	3074.5	3077.2	3082.6	3090.8	3095.3	3097.1	3100.7	3105.2	3109.8	3113.4	3119.7
25°	3048.2	3049.1	3054.6	3062.7	3068.2	3072.7	3079.0	3084.4	3090.8	3098.0	3105.2
27.5°	3033.8	3032.9	3037.4	3045.5	3050.1	3056.4	3061.8	3070.0	3077.2	3086.2	3092.6
30°	3046.4	3039.2	3040.1	3043.7	3047.3	3051.9	3058.2	3065.4	3073.6	3081.7	3089.0
32.5°	3102.5	3086.2	3075.4	3072.7	3073.6	3074.5	3078.1	3082.6	3089.0	3095.3	3098.0
35°	3223.8	3195.7	3181.2	3169.5	3159.5	3151.4	3153.2	3152.3	3152.3	3157.7	3151.4
37.5°	3454.5	3419.2	3403.8	3383.0	3371.3	3341.4	3333.3	3331.4	3319.7	3319.7	3306.1
40°	3816.4	3795.6	3783.8	3764.8	3707.8	3715.1	3674.4	3675.3	3641.8	3645.4	3621.9
42.5°	4331.2	4334.0	4319.5	4306.8	4262.5	4242.6	4204.6	4150.3	4107.8	4106.9	4059.8
45°	4926.6	4959.2	4913.0	4929.3	4890.4	4837.0	4792.7	4723.0	4657.0	4636.2	4588.2
47.5°	5549.1	5602.5	5567.2	5573.5	5554.5	5478.5	5418.8	5332.8	5246.9	5189.0	5160.0
50°	6214.1	6249.4	6248.5	6231.3	6222.3	6148.1	6052.2	5987.0	5923.7	5845.9	5820.5
52.5°	6816.7	6899.0	6954.2	6941.6	6915.3	6871.0	6785.9	6729.8	6636.7	6625.8	6636.7
55°	7461.8	7568.6	7624.7	7692.5	7693.4	7685.3	7650.0	7629.2	7542.3	7552.3	7539.6
57.5°	8072.6	8229.1	8315.0	8459.8	8509.6	8575.6	8551.2	8578.3	8525.9	8560.2	8550.3
60°	8900.4	9117.6	9260.5	9458.7	9551.0	9716.6	9749.1	9769.0	9798.0	9868.6	9828.8
62.5°	9941.9	10260.3	10557.1	10826.7	10915.4	11164.2	11204.9	11360.6	11368.7	11416.7	11328.9
65°	11646.5	12034.6	12361.3	12684.3	12870.7	13162.0	13279.6	13581.8	13489.5	13528.5	13341.2
67.5°	12763.0	13214.5	13652.4	13958.2	14267.7	14565.3	14779.8	14975.2	14973.4	14935.4	14768.9
69°	12664.4	13167.4	13599.0	14008.9	14334.6	14640.4	14898.3	15025.0	15069.3	15014.1	14895.6
70°	12323.3	12839.9	13368.3	13705.8	14060.5	14396.1	14662.2	14800.6	14831.4	14792.4	14690.2
72.5°	10747.1	11242.9	11825.6	12132.4	12561.2	12803.7	13170.2	13349.3	13381.0	13331.2	13264.3
75°	8387.4	8477.0	9070.5	9266.0	9577.2	9856.8	10084.8	10026.9	10188.9	10157.2	10131.9
77.5°	3951.2	3712.4	4096.9	4276.0	4181.9	3931.3	4296.0	4032.7	4207.3	4434.4	4376.5
80°	651.5	649.6	666.8	704.8	659.6	700.3	699.4	679.5	681.3	730.2	704.8
82.5°	250.6	256.1	258.8	266.0	266.0	266.9	271.4	276.9	272.3	281.4	279.6
85°	135.7	144.8	136.6	130.3	134.8	137.5	141.1	145.7	141.1	154.7	147.5
87.5°	35.3	37.1	32.6	32.6	31.7	29.0	29.0	30.8	33.5	39.8	43.4
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):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3
2.5°	2681.8	2682.7	2683.6	2680.9	2679.1	2679.1	2678.2	2676.4	2675.5	2675.5	2675.5
5°	2712.6	2714.4	2709.9	2708.9	2707.1	2705.3	2705.3	2703.5	2704.4	2704.4	2699.9
7.5°	2774.1	2771.4	2765.9	2762.3	2765.9	2759.6	2756.9	2758.7	2756.9	2757.8	2756.0
10°	2856.4	2856.4	2850.1	2853.7	2849.2	2842.0	2844.7	2842.0	2840.1	2833.8	2837.4
12.5°	2958.7	2956.0	2952.3	2944.2	2941.5	2940.6	2932.4	2933.3	2930.6	2928.8	2926.1
15°	3048.2	3047.3	3039.2	3034.7	3033.8	3030.1	3026.5	3024.7	3020.2	3019.3	3017.5
17.5°	3108.0	3105.2	3101.6	3097.1	3097.1	3091.7	3089.9	3085.3	3084.4	3081.7	3079.0
20°	3127.9	3128.8	3125.2	3121.5	3119.7	3116.1	3113.4	3109.8	3108.0	3104.3	3101.6
22.5°	3123.3	3123.3	3119.7	3118.8	3115.2	3109.8	3106.2	3101.6	3097.1	3092.6	3087.2
25°	3108.9	3108.0	3105.2	3100.7	3096.2	3088.1	3080.8	3073.6	3067.2	3061.8	3053.7
27.5°	3096.2	3094.4	3089.0	3082.6	3073.6	3064.5	3051.0	3041.0	3032.9	3025.6	3016.6
30°	3091.7	3085.3	3077.2	3067.2	3056.4	3042.8	3028.3	3015.7	3006.6	2999.4	2995.8
32.5°	3097.1	3089.0	3076.3	3063.6	3050.1	3033.8	3019.3	3008.4	3000.3	2998.5	2998.5
35°	3146.9	3133.3	3116.1	3098.0	3080.8	3067.2	3057.3	3056.4	3051.0	3057.3	3067.2
37.5°	3292.5	3280.8	3254.5	3231.0	3219.3	3212.9	3203.9	3205.7	3193.0	3212.9	3229.2
40°	3602.0	3587.5	3556.7	3537.7	3514.2	3491.6	3509.7	3504.3	3513.3	3509.7	3526.9
42.5°	4053.5	4039.0	3990.1	3982.9	3972.9	3963.9	3963.9	3956.7	3953.0	3965.7	3951.2
45°	4602.7	4573.7	4555.6	4577.3	4547.5	4556.5	4588.2	4545.7	4555.6	4496.8	4442.5
47.5°	5172.7	5170.0	5165.5	5191.7	5196.2	5209.8	5227.0	5183.6	5104.8	5060.5	4950.1
50°	5828.7	5856.7	5867.6	5892.9	5903.8	5913.7	5886.6	5822.3	5689.3	5571.7	5441.4
52.5°	6625.8	6576.9	6643.9	6668.3	6657.5	6617.6	6519.9	6441.2	6257.5	6088.3	5886.6
55°	7554.1	7565.9	7518.8	7499.8	7462.7	7352.3	7217.5	7040.2	6807.7	6586.9	6331.7
57.5°	8499.6	8495.1	8421.8	8318.7	8192.9	8059.9	7859.0	7604.8	7333.3	7036.6	6728.0
60°	9649.6	9645.1	9496.7	9320.3	9141.1	8926.7	8611.8	8306.0	7942.3	7552.3	7185.0
62.5°	11160.6	10966.1	10820.4	10557.1	10280.2	9999.8	9573.6	9167.4	8681.5	8189.3	7760.4
65°	13096.9	12776.6	12611.0	12229.2	11800.3	11362.4	10929.0	10395.2	9741.0	9145.6	8621.8
67.5°	14529.2	14236.0	13932.9	13552.0	13081.5	12592.9	11999.4	11327.1	10584.3	9916.5	9345.6
69°	14654.9	14380.8	14017.0	13635.2	13190.1	12658.9	12011.1	11258.3	10505.5	9829.7	9267.8
70°	14464.0	14172.7	13789.9	13392.7	12895.1	12393.8	11715.2	10930.8	10177.1	9499.4	8951.1
72.5°	13039.9	12755.8	12348.6	11873.6	11363.3	10934.4	10290.2	9472.3	8652.5	8026.4	7599.3
75°	9915.6	9853.2	9564.6	9287.7	8886.0	8407.3	7818.3	7268.2	6595.9	5933.6	5535.5
77.5°	4230.8	4374.7	4524.9	4546.6	4561.1	4413.6	4322.2	4183.8	3734.1	3529.6	3318.8
80°	781.7	698.5	745.5	751.0	781.7	798.0	857.7	1017.0	1035.1	1074.0	1121.9
82.5°	277.8	282.3	289.5	292.2	295.0	305.8	346.5	415.3	477.7	559.2	667.7
85°	157.4	160.1	166.5	171.9	175.5	186.4	209.0	249.7	311.2	404.4	548.3
87.5°	48.0	54.3	57.9	65.1	67.9	69.7	79.6	106.8	137.5	203.6	296.8
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: VST-F06-LED-E-U-RW-7030

CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3	2677.3
2.5°	2675.5	2674.6	2672.8	2670.9	2671.9	2670.0	2664.6	2662.8	2656.5	2651.9	2648.3
5°	2699.9	2699.0	2695.4	2696.3	2695.4	2686.3	2680.0	2669.1	2662.8	2652.9	2649.2
7.5°	2750.6	2749.7	2743.3	2746.0	2744.2	2730.7	2719.8	2702.6	2693.6	2680.9	2670.9
10°	2826.6	2826.6	2819.3	2820.2	2820.2	2802.1	2783.1	2754.2	2733.4	2713.5	2696.3
12.5°	2918.9	2915.2	2914.3	2909.8	2906.2	2886.3	2857.3	2818.4	2779.5	2746.9	2723.4
15°	3012.1	3006.6	3003.9	2998.5	2994.0	2975.9	2937.0	2889.0	2836.5	2784.0	2745.1
17.5°	3072.7	3069.1	3063.6	3061.8	3055.5	3037.4	3010.2	2962.3	2897.1	2823.9	2765.0
20°	3095.3	3089.0	3085.3	3081.7	3078.1	3065.4	3065.4	3034.7	2962.3	2859.1	2769.6
22.5°	3080.8	3077.2	3071.8	3069.1	3065.4	3067.2	3102.5	3098.0	3014.8	2867.3	2737.0
25°	3047.3	3042.8	3038.3	3038.3	3037.4	3056.4	3141.4	3153.2	3030.1	2827.5	2665.5
27.5°	3013.0	3006.6	3008.4	3009.3	3013.9	3054.6	3184.0	3167.7	2988.5	2731.6	2542.5
30°	2992.1	2992.1	2996.7	3003.9	3013.0	3084.4	3217.4	3135.1	2880.9	2586.8	2379.6
32.5°	3001.2	3010.2	3020.2	3038.3	3051.9	3150.5	3229.2	3051.0	2724.3	2407.7	2209.5
35°	3081.7	3092.6	3111.6	3139.6	3155.9	3245.5	3229.2	2927.9	2542.5	2253.8	2034.0
37.5°	3257.3	3268.1	3290.7	3312.4	3328.7	3364.9	3215.6	2771.4	2390.5	2094.6	1876.5
40°	3539.5	3554.9	3571.2	3567.6	3556.7	3521.5	3188.5	2625.7	2250.2	1955.3	1721.8
42.5°	3936.8	3922.3	3920.5	3885.2	3849.0	3697.9	3168.6	2530.7	2129.9	1808.7	1568.0
45°	4395.5	4336.7	4276.0	4229.0	4173.8	3891.5	3163.2	2453.8	1996.9	1645.8	1400.6
47.5°	4856.9	4762.8	4645.2	4571.9	4482.3	4097.8	3179.4	2350.7	1825.9	1468.5	1244.1
50°	5309.3	5155.5	5009.8	4922.1	4820.7	4334.9	3205.7	2176.9	1621.4	1307.4	1101.1
52.5°	5728.2	5530.1	5380.8	5277.7	5153.7	4610.8	3182.2	1948.9	1444.0	1152.7	965.4
55°	6126.3	5907.4	5752.7	5644.1	5498.4	4887.7	3012.1	1741.7	1274.9	1001.6	812.5
57.5°	6474.7	6264.8	6103.7	5956.2	5833.2	5128.4	2676.4	1570.7	1112.0	828.8	646.9
60°	6881.8	6645.7	6454.8	6297.4	6152.6	5252.3	2300.0	1418.7	938.3	641.5	467.8
62.5°	7431.1	7159.6	6938.9	6758.8	6569.7	5279.5	2043.0	1266.7	744.6	464.2	340.2
65°	8245.4	7910.6	7634.6	7386.7	7130.7	5167.3	1916.3	1101.1	553.7	344.7	285.0
67.5°	8892.3	8544.9	8225.5	7907.0	7579.4	4959.2	1888.3	948.2	425.3	293.2	256.1
69°	8813.6	8482.4	8189.3	7844.5	7481.7	4697.7	1860.3	889.4	388.2	272.3	242.5
70°	8510.5	8196.5	7898.8	7618.4	7174.1	4406.3	1786.1	856.8	373.7	262.4	232.5
72.5°	7191.3	6827.6	6538.9	6189.7	5721.9	3274.4	1354.5	693.1	342.9	239.8	209.9
75°	5245.1	4943.8	4656.1	4269.7	3814.6	1894.6	843.3	396.3	251.5	217.2	190.0
77.5°	3062.7	2994.9	2717.1	2462.8	2012.3	964.5	484.1	237.1	195.4	197.2	167.4
80°	1152.7	1227.8	1255.9	1168.1	1079.4	665.9	352.0	192.7	170.1	194.5	142.1
82.5°	840.6	975.4	991.7	950.0	884.0	620.7	281.4	154.7	138.4	209.0	122.1
85°	701.2	776.3	788.1	744.6	722.9	525.7	196.3	108.6	101.3	150.2	91.4
87.5°	354.7	373.7	383.6	347.4	349.2	245.2	78.7	46.1	55.2	64.2	50.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P158024

CATALOG NUMBER: VST-F06-LED-E-U-RW-7030

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	2677.3	2677.3
2.5°	2640.2	2645.6
5°	2643.8	2643.8
7.5°	2664.6	2664.6
10°	2687.2	2688.1
12.5°	2708.0	2707.1
15°	2724.3	2721.6
17.5°	2734.3	2731.6
20°	2724.3	2719.8
22.5°	2673.7	2661.0
25°	2581.4	2565.1
27.5°	2459.2	2448.4
30°	2300.0	2283.7
32.5°	2113.6	2105.5
35°	1935.4	1925.4
37.5°	1772.5	1769.8
40°	1635.0	1620.5
42.5°	1473.9	1467.6
45°	1310.1	1306.5
47.5°	1156.3	1152.7
50°	1014.3	1007.0
52.5°	874.9	863.2
55°	720.2	712.1
57.5°	552.8	545.6
60°	389.1	380.9
62.5°	276.9	267.8
65°	230.7	223.5
67.5°	209.0	200.9
69°	199.1	191.8
70°	192.7	187.3
72.5°	179.1	175.5
75°	163.8	161.1
77.5°	143.9	139.3
80°	120.3	115.8
82.5°	101.3	96.8
85°	67.9	61.5
87.5°	30.8	27.1
90°	0.0	0.0

(END OF REPORT)