

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: P158251

Luminaire Tested: **VST-E07-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158251
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E07-LED-E-U-SL2-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (147) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21611.2 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 172.5
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



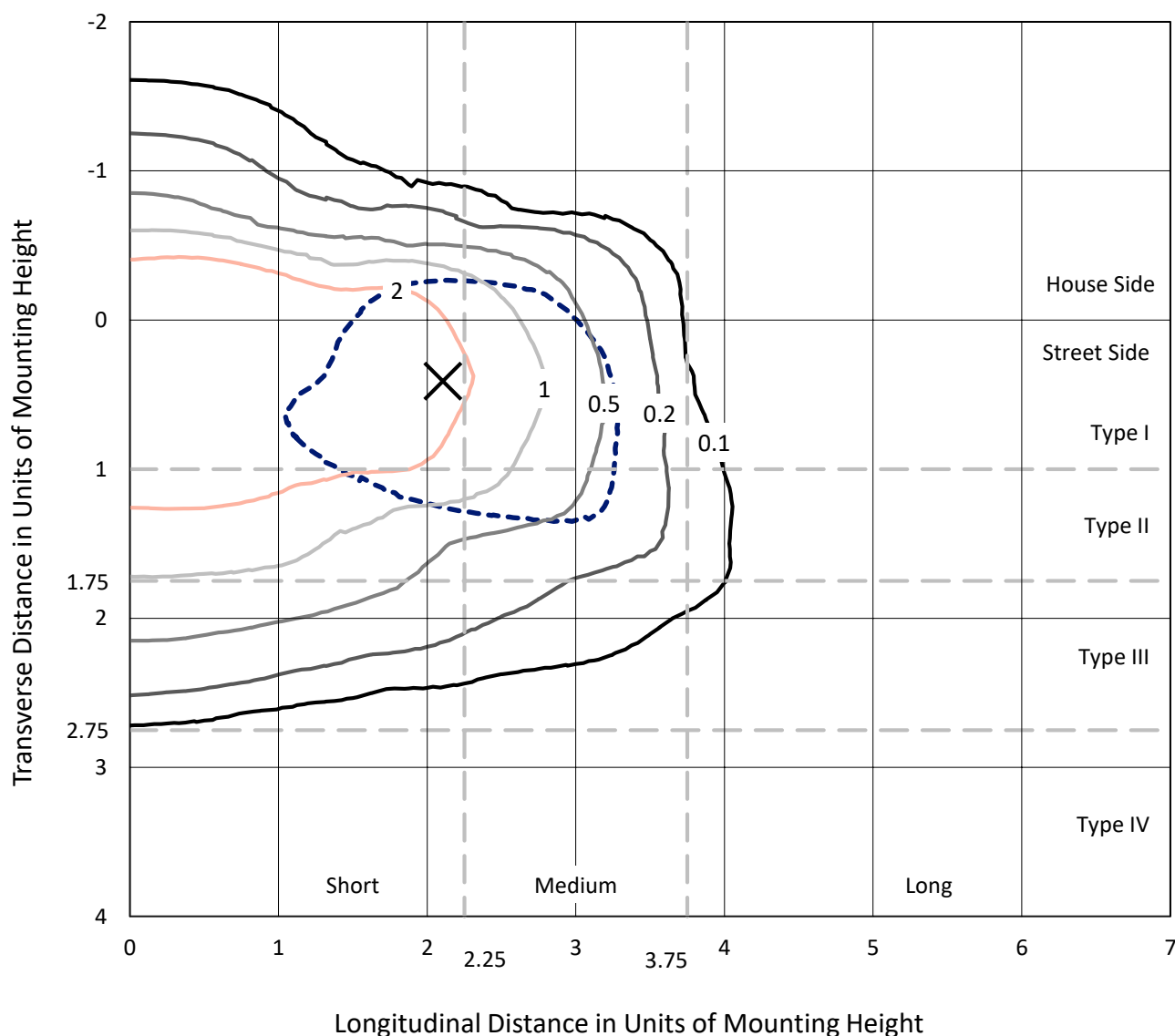
REPORT NUMBER: P158251

CATALOG NUMBER: VST-E07-LED-E-U-SL2-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

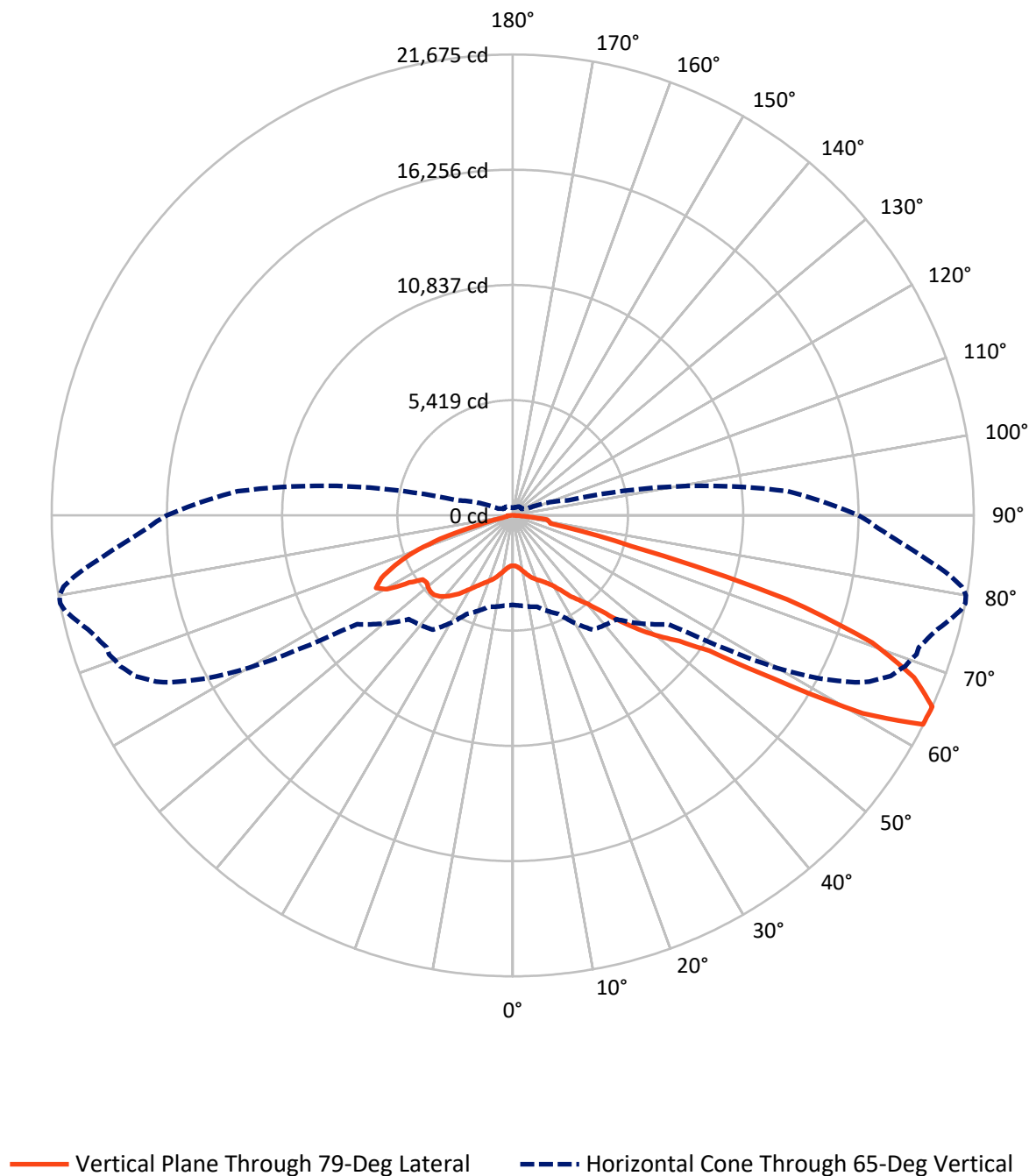


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158251

CATALOG NUMBER: VST-E07-LED-E-U-SL2-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P158251

CATALOG NUMBER: VST-E07-LED-E-U-SL2-7050

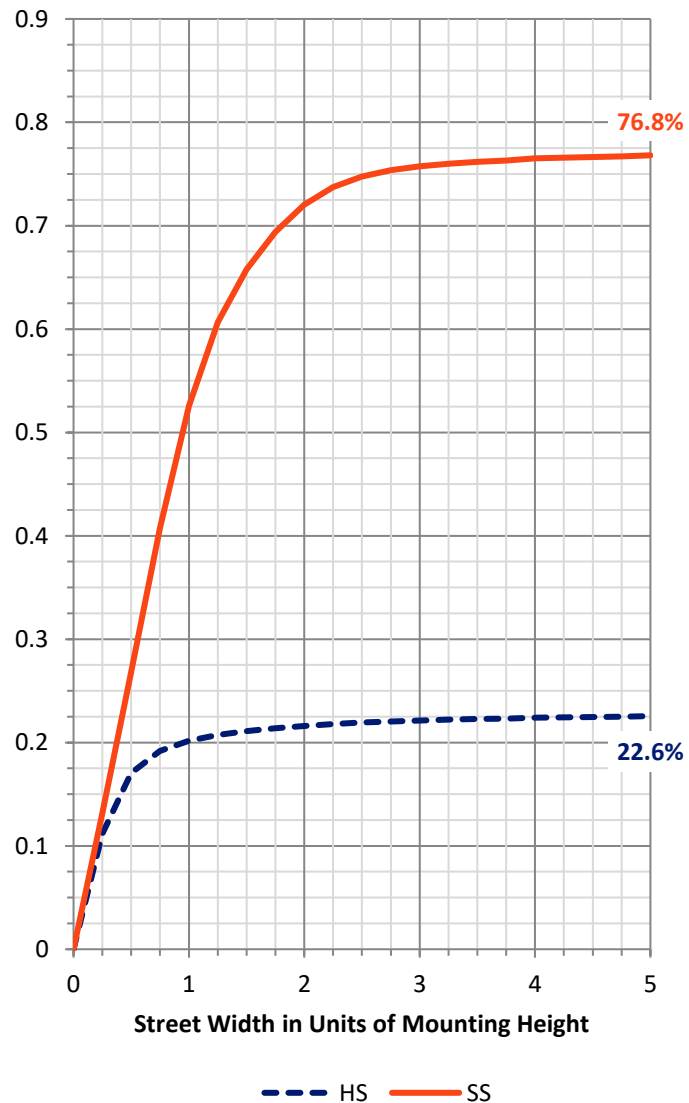
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4965.9	0.0	4965.9
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	16645.3	0.0	16645.3
	% Fixture	77.0	0.0	77.0
Total	Lumens	21611.2	0.0	21611.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.9	1.1
10°-20°	759.8	3.5
20°-30°	1309.8	6.1
30°-40°	2145.5	9.9
40°-50°	3592.9	16.6
50°-60°	4860.0	22.5
60°-70°	5985.0	27.7
70°-80°	2316.8	10.7
80°-90°	407.4	1.9
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°	21611.2	100.0
0°-180°	21611.2	100.0

Coefficient of Utilization



REPORT NUMBER: P158251

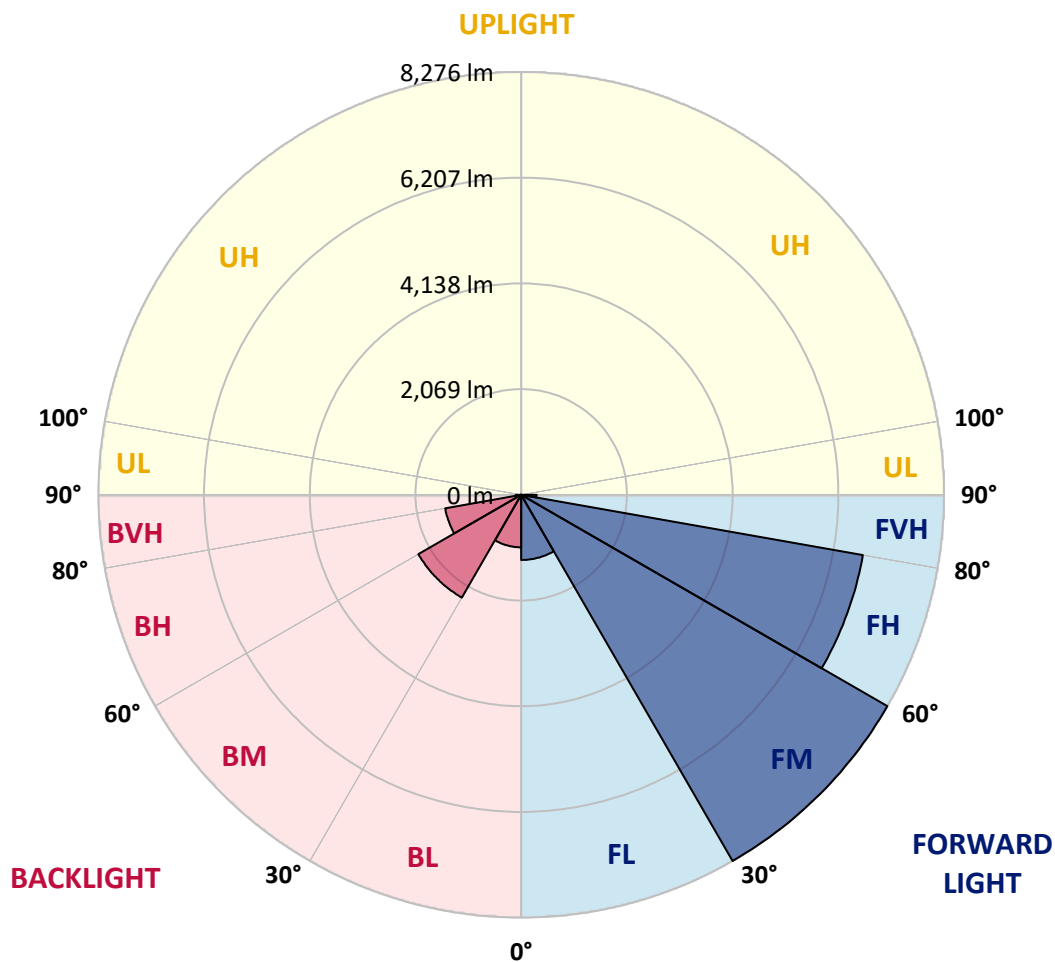
CATALOG NUMBER: VST-E07-LED-E-U-SL2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1275.9	5.9			
FM	(30°-60°)	8276.1	38.3			
FH	(60°-80°)	6791.0	31.4			G3/7500
FVH	(80°-90°)	302.3	1.4			G3/500
BL	(0°-30°)	1027.7	4.8	B3/2500		
BM	(30°-60°)	2322.3	10.7	B2/2500		
BH	(60°-80°)	1510.8	7.0	B3/2500		G3/2500
BVH	(80°-90°)	105.1	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P158251

CATALOG NUMBER: VST-E07-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6
2.5°	2368.9	2361.7	2368.9	2374.6	2378.9	2384.7	2383.2	2381.8	2380.4	2381.8	2381.8
5°	2389.0	2387.5	2394.7	2400.5	2410.5	2417.7	2426.3	2426.3	2426.3	2424.9	2427.8
7.5°	2453.6	2452.2	2459.4	2465.1	2473.7	2488.1	2499.6	2505.3	2503.9	2503.9	2503.9
10°	2559.9	2554.2	2554.2	2554.2	2565.7	2575.7	2601.6	2604.5	2610.2	2607.3	2608.8
12.5°	2663.4	2664.8	2660.5	2656.2	2657.6	2677.7	2715.1	2722.3	2723.7	2728.0	2730.9
15°	2756.7	2755.3	2745.2	2735.2	2748.1	2782.6	2831.4	2844.4	2844.4	2853.0	2858.7
17.5°	2842.9	2840.1	2821.4	2804.1	2817.1	2876.0	2952.1	2960.7	2973.7	2978.0	2983.7
20°	2944.9	2939.2	2917.6	2871.7	2871.7	2952.1	3052.7	3061.3	3072.8	3075.6	3085.7
22.5°	3087.1	3072.8	3026.8	2943.5	2920.5	3013.9	3137.4	3141.7	3150.3	3161.8	3170.5
25°	3248.0	3250.9	3176.2	3031.1	2980.8	3078.5	3219.3	3226.5	3242.3	3250.9	3261.0
27.5°	3414.7	3419.0	3335.7	3154.7	3069.9	3167.6	3329.9	3338.5	3357.2	3367.3	3383.1
30°	3604.3	3610.0	3529.6	3347.2	3217.9	3298.3	3493.7	3516.7	3532.5	3545.4	3571.3
32.5°	4059.7	4025.2	3969.2	3775.2	3571.3	3565.5	3758.0	3783.9	3805.4	3832.7	3857.1
35°	4632.9	4654.4	4683.1	4552.4	4372.9	4242.1	4257.9	4243.6	4263.7	4303.9	4328.3
37.5°	5086.8	5134.2	5259.2	5344.0	5336.8	5310.9	5069.6	5069.6	5082.5	5061.0	5058.1
40°	5443.1	5473.2	5729.0	6057.9	6335.2	6471.6	6280.6	6253.3	6267.7	6157.0	6161.4
42.5°	5627.0	5671.5	6039.2	6616.7	7166.9	7605.1	7546.2	7527.5	7484.4	7457.1	7439.9
45°	5720.3	5773.5	6211.6	7004.6	7806.2	8482.8	8787.4	8784.5	8745.7	8714.1	8699.7
47.5°	5672.9	5718.9	6185.8	7122.4	8142.4	9048.8	9722.6	9764.2	9752.7	9798.7	9817.4
50°	5362.6	5421.5	5889.8	6868.1	8001.6	9271.5	10370.4	10448.0	10552.9	10619.0	10706.6
52.5°	5082.5	5131.3	5553.7	6455.8	7539.0	9090.5	10761.2	10920.6	11064.3	11199.3	11304.2
55°	4789.4	4838.3	5208.9	6027.8	7072.1	8556.1	10939.3	11172.0	11396.1	11624.5	11834.3
57.5°	4678.8	4730.6	5006.4	5695.9	6690.0	8026.0	11026.9	11409.1	11773.9	12161.8	12564.0
60°	4966.1	5012.1	5221.9	5704.5	6398.4	7495.9	10850.2	11450.7	12078.5	12717.8	13335.5
62.5°	4878.5	4902.9	5164.4	5912.8	6770.4	6973.0	10084.6	10877.5	11789.7	12726.4	13673.1
65°	4209.1	4256.5	4453.3	5111.2	6562.1	6902.6	8918.1	9715.4	10791.3	11898.9	13167.4
67.5°	3019.6	2953.5	3105.8	3681.9	5091.1	6891.1	7605.1	8195.5	9038.8	9887.8	10927.8
70°	1371.9	1340.3	1459.5	1914.9	3071.3	5446.0	6430.0	6629.7	6942.8	7514.6	8217.1
72.5°	541.6	540.1	617.7	791.5	1452.3	3505.2	5407.2	5522.1	5632.7	5881.2	6184.3
75°	354.8	354.8	377.8	426.7	715.4	1692.3	4574.0	4678.8	4848.3	4918.7	5048.0
77.5°	267.2	268.6	278.7	290.2	395.1	890.7	3227.9	3600.0	3887.3	4101.3	4257.9
80°	189.6	198.2	216.9	224.1	257.1	507.1	1824.4	2093.0	2417.7	2763.9	3199.2
82.5°	142.2	152.3	183.9	192.5	204.0	288.7	823.1	933.8	1090.3	1413.6	2032.7
85°	66.1	73.3	126.4	137.9	148.0	166.6	418.0	466.9	530.1	580.4	676.6
87.5°	10.1	7.2	21.5	30.2	47.4	48.8	143.7	170.9	185.3	222.7	231.3
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: P158251

CATALOG NUMBER: VST-E07-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6
2.5°	2381.8	2383.2	2384.7	2381.8	2383.2	2383.2	2380.4	2378.9	2378.9	2378.9	2380.4
5°	2427.8	2430.6	2427.8	2429.2	2434.9	2433.5	2430.6	2429.2	2434.9	2436.4	2432.1
7.5°	2509.6	2511.1	2505.3	2512.5	2515.4	2516.8	2516.8	2519.7	2519.7	2524.0	2519.7
10°	2614.5	2614.5	2624.6	2623.1	2624.6	2627.4	2628.9	2634.6	2638.9	2638.9	2641.8
12.5°	2735.2	2736.6	2746.7	2748.1	2753.9	2755.3	2763.9	2758.2	2772.5	2772.5	2776.8
15°	2860.2	2870.2	2871.7	2886.0	2888.9	2890.3	2901.8	2901.8	2911.9	2913.3	2916.2
17.5°	2983.7	2992.3	2998.1	3009.6	3019.6	3023.9	3028.2	3036.9	3044.0	3046.9	3054.1
20°	3090.0	3098.6	3104.4	3115.9	3124.5	3131.7	3136.0	3146.0	3153.2	3156.1	3166.2
22.5°	3179.1	3184.8	3194.9	3210.7	3213.6	3222.2	3235.1	3242.3	3245.2	3253.8	3265.3
25°	3273.9	3282.5	3288.3	3302.6	3314.1	3328.5	3340.0	3351.5	3354.3	3365.8	3375.9
27.5°	3400.3	3408.9	3410.4	3439.1	3450.6	3470.7	3483.6	3500.9	3509.5	3519.5	3539.7
30°	3587.1	3607.2	3615.8	3648.8	3654.6	3677.6	3700.5	3706.3	3719.2	3720.7	3753.7
32.5°	3872.9	3901.7	3913.2	3947.6	3956.3	3977.8	3990.7	4020.9	4022.3	4036.7	4043.9
35°	4341.2	4334.1	4378.6	4387.2	4413.1	4431.7	4444.7	4444.7	4472.0	4473.4	4482.0
37.5°	4980.5	4966.1	4977.6	4925.9	4938.9	4915.9	4911.6	4917.3	4905.8	4908.7	4907.2
40°	6003.3	5938.7	5871.2	5711.7	5677.2	5611.2	5559.4	5517.8	5477.6	5434.5	5405.7
42.5°	7286.2	7192.8	7092.2	6836.5	6717.3	6589.4	6464.5	6392.6	6249.0	6161.4	6113.9
45°	8630.8	8521.6	8380.8	8168.2	7998.7	7862.2	7633.8	7526.1	7303.4	7192.8	7043.4
47.5°	9732.6	9734.0	9620.6	9405.1	9224.1	9133.6	8991.4	8783.1	8530.2	8388.0	8122.2
50°	10696.5	10695.1	10687.9	10558.6	10432.2	10333.1	10208.1	10019.9	9813.1	9652.2	9347.6
52.5°	11409.1	11503.9	11544.1	11542.7	11526.9	11480.9	11386.1	11223.7	11014.0	10923.5	10680.7
55°	11998.0	12204.9	12312.6	12548.2	12569.8	12645.9	12562.6	12564.0	12440.5	12449.1	12371.5
57.5°	12890.1	13268.0	13484.9	14006.3	14267.8	14583.8	14527.8	14792.1	14888.4	15010.5	15172.8
60°	13902.9	14608.3	15122.5	16159.7	16582.1	17093.5	17375.0	17675.3	17893.6	18117.7	18282.9
62.5°	14626.9	15553.5	16398.2	17876.4	18425.2	18963.9	19318.7	19682.1	19927.8	20088.7	20207.9
65°	14331.0	15355.3	16353.7	17903.7	18501.3	18892.0	19314.4	19524.1	19769.8	19903.4	20074.3
67.5°	12177.6	13204.7	14275.0	16103.7	16728.6	17268.7	17597.7	17869.2	18067.5	18237.0	18433.8
70°	9056.0	10179.4	11285.5	13290.9	14079.6	14859.6	15247.5	15583.7	15790.5	15961.5	16178.4
72.5°	6517.6	7221.5	7912.5	10157.8	10946.5	11954.9	12357.2	12730.7	12999.3	12990.7	13220.5
75°	5188.8	5474.7	5782.1	6941.4	7507.4	8357.8	8583.4	8793.1	8666.7	8423.9	8409.5
77.5°	4319.7	4437.5	4540.9	4904.4	4987.7	5190.2	5078.2	4961.8	4586.9	4270.9	4104.2
80°	3506.6	3739.3	3891.6	4150.2	4256.5	4316.8	4332.6	4292.4	4154.5	3963.4	3658.9
82.5°	2607.3	3049.8	3351.5	3860.0	4046.8	4085.5	4160.2	4114.3	4023.8	3868.6	3650.3
85°	764.2	864.8	991.2	1344.6	1575.9	1772.7	1973.8	2072.9	2134.7	2048.5	1823.0
87.5°	268.6	303.1	339.0	466.9	497.0	600.5	589.0	695.3	699.6	729.8	698.2
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: P158251

CATALOG NUMBER: VST-E07-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6
2.5°	2378.9	2378.9	2378.9	2380.4	2380.4	2380.4	2377.5	2376.0	2377.5	2380.4	2380.4
5°	2434.9	2436.4	2439.3	2433.5	2434.9	2439.3	2436.4	2434.9	2436.4	2439.3	2436.4
7.5°	2525.5	2526.9	2524.0	2529.8	2529.8	2532.6	2536.9	2532.6	2534.1	2535.5	2536.9
10°	2643.2	2644.7	2647.6	2651.9	2653.3	2656.2	2659.0	2663.4	2663.4	2660.5	2667.7
12.5°	2784.0	2782.6	2785.5	2791.2	2794.1	2798.4	2807.0	2807.0	2812.8	2811.3	2818.5
15°	2921.9	2929.1	2930.6	2940.6	2944.9	2952.1	2962.2	2967.9	2967.9	2976.5	2979.4
17.5°	3059.8	3065.6	3071.3	3080.0	3085.7	3090.0	3101.5	3108.7	3107.3	3123.1	3123.1
20°	3166.2	3177.6	3184.8	3190.6	3200.6	3207.8	3216.4	3225.0	3230.8	3240.9	3243.7
22.5°	3269.6	3276.8	3286.8	3294.0	3305.5	3314.1	3324.2	3331.4	3341.4	3354.3	3358.6
25°	3384.5	3396.0	3407.5	3417.5	3426.2	3436.2	3453.5	3469.3	3483.6	3495.1	3499.4
27.5°	3544.0	3556.9	3574.1	3581.3	3594.2	3602.9	3628.7	3648.8	3656.0	3676.1	3681.9
30°	3759.4	3773.8	3791.0	3799.7	3822.7	3834.1	3861.4	3883.0	3890.2	3914.6	3918.9
32.5°	4071.2	4079.8	4114.3	4112.8	4144.4	4177.5	4193.3	4210.5	4242.1	4255.1	4259.4
35°	4503.6	4523.7	4548.1	4546.7	4586.9	4605.6	4637.2	4655.9	4678.8	4677.4	4701.8
37.5°	4921.6	4928.8	4937.4	4956.1	4984.8	5010.7	5022.2	5040.8	5058.1	5083.9	5115.5
40°	5377.0	5394.2	5395.7	5405.7	5420.1	5453.1	5474.7	5494.8	5553.7	5591.0	5609.7
42.5°	6059.4	6055.0	6026.3	6045.0	6053.6	6103.9	6119.7	6181.5	6247.5	6326.6	6348.1
45°	6937.1	6879.6	6862.4	6855.2	6901.2	6927.0	6991.7	7106.6	7175.6	7250.3	7286.2
47.5°	8017.4	7837.8	7753.0	7734.4	7781.8	7892.4	7913.9	8027.4	8117.9	8172.5	8208.4
50°	9099.1	8958.3	8780.2	8719.8	8706.9	8808.9	8833.3	8928.1	9020.1	9035.9	9017.2
52.5°	10458.1	10228.2	9933.7	9827.4	9742.7	9749.8	9770.0	9810.2	9869.1	9844.7	9794.4
55°	12196.3	11934.8	11789.7	11588.6	11460.8	11437.8	11350.2	11229.5	11225.2	11241.0	11090.1
57.5°	15090.9	14981.8	15043.5	15022.0	14895.6	14971.7	14576.6	14464.6	14375.5	14220.4	14081.0
60°	18429.5	18541.5	18669.4	18963.9	18950.9	19246.9	18972.5	18903.5	18820.2	18341.8	18107.7
62.5°	20416.2	20460.7	20648.9	20923.3	21193.4	21476.4	21604.2	21648.8	21475.0	21084.2	20595.8
65°	20070.0	20266.8	20449.3	20686.3	20963.5	21246.5	21516.6	21674.6	21634.4	21375.8	20838.6
67.5°	18497.0	18703.8	18971.0	19219.6	19518.4	19764.0	20060.0	20350.1	20358.8	20229.5	19856.0
70°	16201.4	16441.3	16717.1	16856.4	17179.7	17402.3	17648.0	17935.3	18028.7	18044.5	17609.2
72.5°	13171.7	13272.3	13407.3	13334.0	13398.7	13540.9	13474.8	13497.8	13143.0	13209.1	12671.8
75°	8021.7	7929.7	7521.8	7149.7	6695.7	6346.7	6430.0	5763.4	5106.9	5073.9	4599.8
77.5°	4068.3	3921.8	3668.9	3406.1	3021.1	2580.0	2212.3	1815.8	1481.1	1290.0	1107.6
80°	3465.0	3361.5	3222.2	3031.1	2751.0	2424.9	2041.3	1739.7	1459.5	1167.9	935.2
82.5°	3315.6	2999.5	2797.0	2637.5	2334.4	2032.7	1823.0	1616.1	1417.9	1238.3	981.2
85°	1644.8	1455.2	1231.1	1091.8	840.4	657.9	616.3	507.1	472.6	364.9	307.4
87.5°	553.1	452.5	337.6	284.4	227.0	185.3	182.4	162.3	160.9	146.5	135.0
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: P158251

CATALOG NUMBER: VST-E07-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6
2.5°	2378.9	2381.8	2381.8	2378.9	2380.4	2377.5	2378.9	2380.4	2376.0	2374.6	2370.3
5°	2437.8	2436.4	2436.4	2437.8	2442.1	2443.6	2436.4	2439.3	2440.7	2433.5	2417.7
7.5°	2535.5	2535.5	2539.8	2538.4	2547.0	2544.1	2542.7	2542.7	2542.7	2528.3	2502.5
10°	2667.7	2667.7	2672.0	2677.7	2679.2	2676.3	2676.3	2677.7	2684.9	2656.2	2616.0
12.5°	2815.6	2822.8	2821.4	2821.4	2838.6	2834.3	2828.6	2834.3	2841.5	2801.3	2743.8
15°	2980.8	2985.1	2988.0	2998.1	2995.2	3005.3	3008.1	3005.3	3012.4	2960.7	2864.5
17.5°	3130.2	3138.9	3141.7	3153.2	3153.2	3154.7	3166.2	3161.8	3163.3	3104.4	2966.5
20°	3253.8	3262.4	3266.7	3279.6	3282.5	3288.3	3292.6	3295.4	3302.6	3232.2	3049.8
22.5°	3377.3	3384.5	3391.7	3400.3	3411.8	3419.0	3424.7	3427.6	3440.5	3358.6	3128.8
25°	3515.2	3531.0	3538.2	3552.6	3564.1	3575.6	3584.2	3585.6	3607.2	3505.2	3193.4
27.5°	3699.1	3720.7	3732.2	3755.1	3766.6	3778.1	3775.2	3792.5	3822.7	3673.3	3243.7
30°	3940.5	3967.7	3974.9	3997.9	4016.6	4028.1	4041.0	4055.4	4075.5	3860.0	3268.1
32.5°	4276.6	4318.3	4328.3	4341.2	4368.5	4388.7	4397.3	4420.3	4426.0	4036.7	3261.0
35°	4737.7	4719.1	4767.9	4779.4	4818.2	4834.0	4844.0	4874.2	4851.2	4229.2	3213.6
37.5°	5154.3	5148.6	5196.0	5221.9	5272.1	5260.6	5285.1	5305.2	5223.3	4365.7	3125.9
40°	5662.9	5655.7	5721.8	5730.4	5808.0	5790.7	5800.8	5816.6	5634.1	4460.5	2966.5
42.5°	6372.5	6375.4	6445.8	6454.4	6464.5	6496.1	6444.4	6447.2	6070.9	4486.3	2703.6
45°	7307.7	7358.0	7314.9	7316.3	7313.5	7253.1	7188.5	7112.3	6524.8	4397.3	2364.6
47.5°	8214.2	8179.7	8125.1	8074.8	8033.2	7938.4	7843.6	7714.3	6917.0	4186.1	1986.7
50°	8989.9	8912.3	8863.5	8724.2	8625.0	8501.5	8369.3	8221.4	7238.8	3881.6	1633.4
52.5°	9711.1	9630.6	9448.2	9303.1	9160.9	8997.1	8843.4	8669.6	7523.2	3533.9	1363.3
55°	10909.1	10838.8	10656.3	10390.5	10215.3	9989.8	9787.2	9551.6	8099.3	3252.3	1185.2
57.5°	13697.5	13637.1	13253.6	13085.5	12854.2	12288.2	12204.9	11837.2	9643.5	3219.3	1080.3
60°	17623.6	17365.0	17046.1	16586.4	16044.8	15858.0	15441.5	14951.6	12128.8	3309.8	995.5
62.5°	20034.1	19445.1	18976.8	18446.7	17948.2	17520.1	17064.7	16580.6	13400.1	3190.6	890.7
65°	20215.1	19522.7	18903.5	18281.5	17721.3	17188.3	16745.8	16261.7	12986.4	2742.4	754.2
67.5°	19218.1	18488.4	17813.2	17107.8	16541.8	16060.6	15497.5	15032.0	11819.9	2134.7	627.8
70°	17162.4	16521.7	15939.9	15180.0	14710.2	14124.1	13766.4	13184.6	10302.9	1455.2	518.6
72.5°	12361.5	11878.8	11689.2	11159.1	10544.3	10199.5	10034.3	9469.7	7613.7	903.6	423.8
75°	4176.0	4295.3	4022.3	3604.3	3808.3	3493.7	3621.5	3352.9	3220.7	518.6	356.3
77.5°	926.6	870.5	804.5	747.0	742.7	698.2	739.8	699.6	748.4	330.4	314.6
80°	731.2	577.5	491.3	448.2	425.2	412.3	402.2	390.7	356.3	281.6	290.2
82.5°	790.1	596.2	436.7	349.1	298.8	280.1	275.8	264.3	261.5	272.9	293.1
85°	252.8	211.2	179.6	169.5	156.6	149.4	146.5	142.2	172.4	297.4	281.6
87.5°	132.2	116.4	103.4	99.1	86.2	80.4	79.0	80.4	120.7	297.4	204.0
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: P158251

CATALOG NUMBER: VST-E07-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6	2364.6
2.5°	2366.0	2364.6	2361.7	2360.2	2358.8	2351.6	2357.4
5°	2410.5	2396.2	2383.2	2367.4	2358.8	2351.6	2351.6
7.5°	2478.0	2437.8	2404.8	2368.9	2344.4	2325.8	2322.9
10°	2562.8	2485.2	2409.1	2344.4	2298.5	2264.0	2259.7
12.5°	2643.2	2525.5	2404.8	2298.5	2226.6	2177.8	2174.9
15°	2717.9	2547.0	2371.7	2215.2	2107.4	2042.8	2035.6
17.5°	2776.8	2534.1	2297.0	2098.8	1952.3	1876.1	1871.8
20°	2789.8	2482.4	2190.7	1955.1	1800.0	1719.5	1700.9
22.5°	2778.3	2389.0	2058.6	1797.1	1619.0	1538.5	1528.5
25°	2743.8	2275.5	1894.8	1613.2	1448.0	1366.2	1346.0
27.5°	2682.0	2141.9	1718.1	1435.1	1271.3	1192.3	1172.2
30°	2590.1	1981.0	1529.9	1268.5	1099.0	1035.8	1015.6
32.5°	2462.2	1785.6	1344.6	1097.5	956.7	906.5	897.8
35°	2285.5	1561.5	1150.7	956.7	853.3	823.1	818.8
37.5°	2060.0	1337.4	988.3	856.2	781.5	762.8	759.9
40°	1765.5	1107.6	873.4	784.4	729.8	714.0	711.1
42.5°	1462.4	935.2	788.7	726.9	682.4	668.0	663.7
45°	1196.6	818.8	725.5	679.5	637.8	622.0	620.6
47.5°	998.4	751.3	673.7	636.4	594.7	576.1	577.5
50°	853.3	689.5	630.6	599.0	551.6	534.4	535.8
52.5°	754.2	627.8	590.4	554.5	514.3	497.0	497.0
55°	676.6	577.5	551.6	512.8	481.2	465.4	464.0
57.5°	613.4	537.3	514.3	482.7	451.1	432.4	432.4
60°	574.6	508.5	489.9	461.1	423.8	403.7	402.2
62.5°	551.6	499.9	484.1	443.9	402.2	382.1	377.8
65°	534.4	520.0	499.9	433.8	385.0	363.4	359.1
67.5°	535.8	567.4	538.7	439.6	379.2	347.6	341.9
70°	544.5	604.8	566.0	452.5	403.7	340.5	327.5
72.5°	501.4	547.3	510.0	431.0	393.6	327.5	311.7
75°	418.0	399.4	366.3	350.5	353.4	297.4	291.6
77.5°	339.0	297.4	265.8	278.7	297.4	254.3	248.5
80°	294.5	241.3	225.5	247.1	270.1	216.9	202.6
82.5°	275.8	204.0	193.9	257.1	283.0	186.8	163.8
85°	242.8	166.6	152.3	303.1	283.0	140.8	130.7
87.5°	162.3	99.1	94.8	222.7	193.9	97.7	79.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)