

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: P158250

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158250
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
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (147) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21061.4 lumens
Efficiency: N/A
Efficacy: 122.1 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

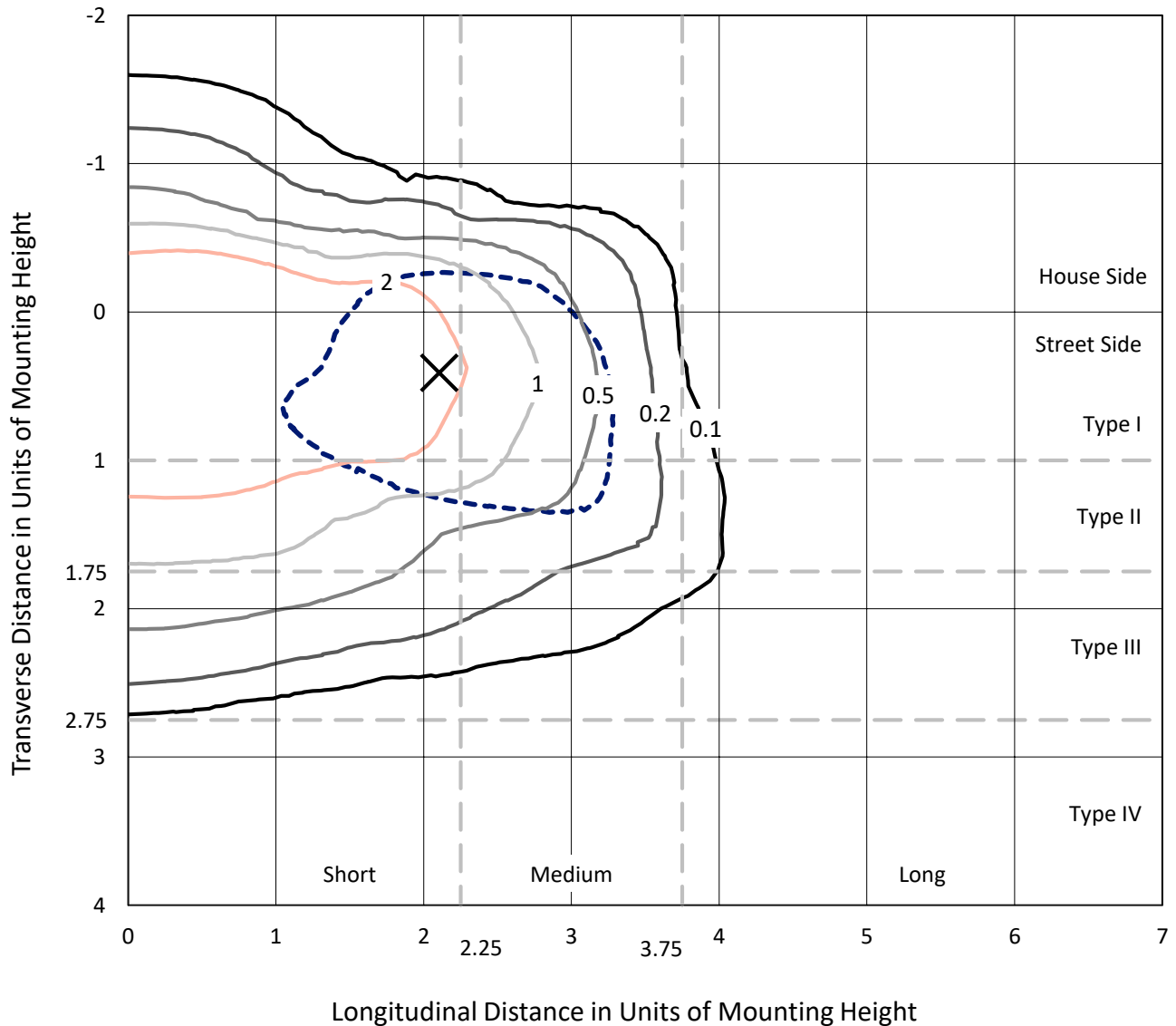


REPORT NUMBER: P158250

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

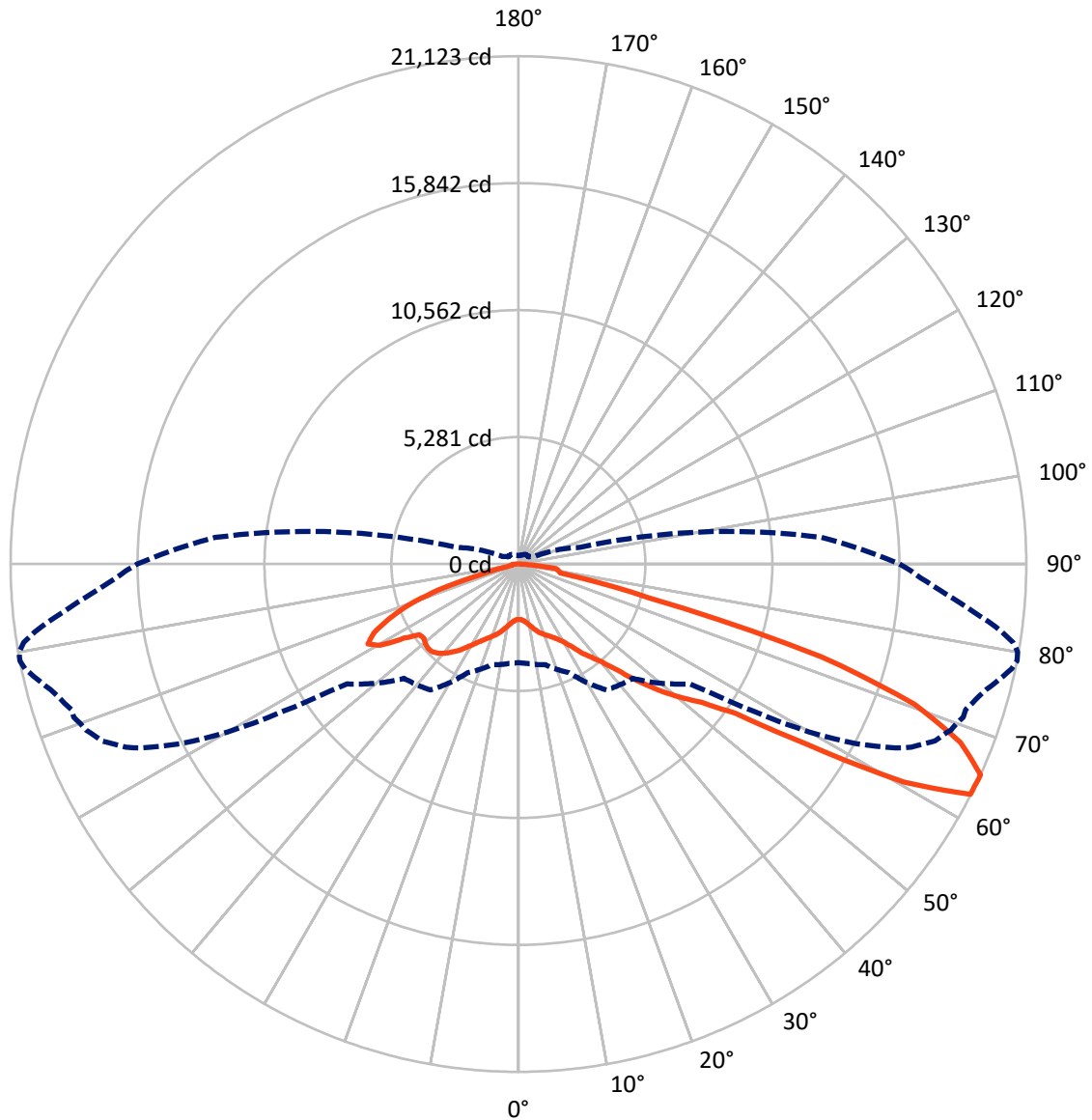


Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158250

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

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P158250

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

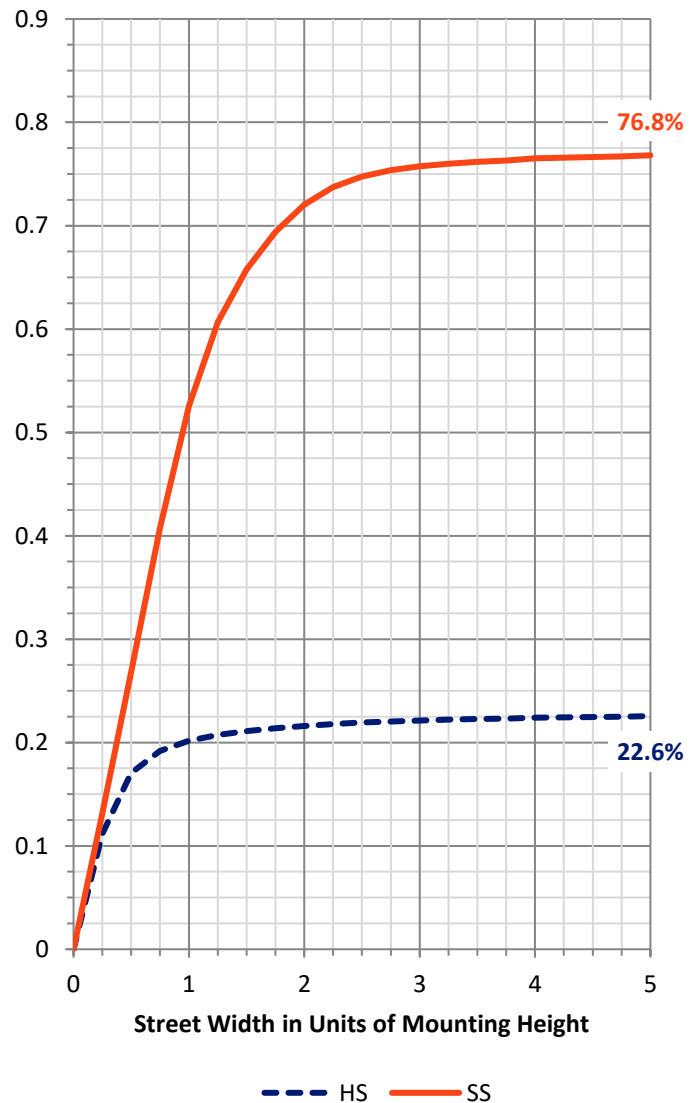
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4839.5	0.0	4839.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	16221.8	0.0	16221.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	21061.4	0.0	21061.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.0	1.1
10°-20°	740.5	3.5
20°-30°	1276.5	6.1
30°-40°	2090.9	9.9
40°-50°	3501.5	16.6
50°-60°	4736.3	22.5
60°-70°	5832.8	27.7
70°-80°	2257.8	10.7
80°-90°	397.1	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°	21061.4	100.0
0°-180°	21061.4	100.0



REPORT NUMBER: P158250

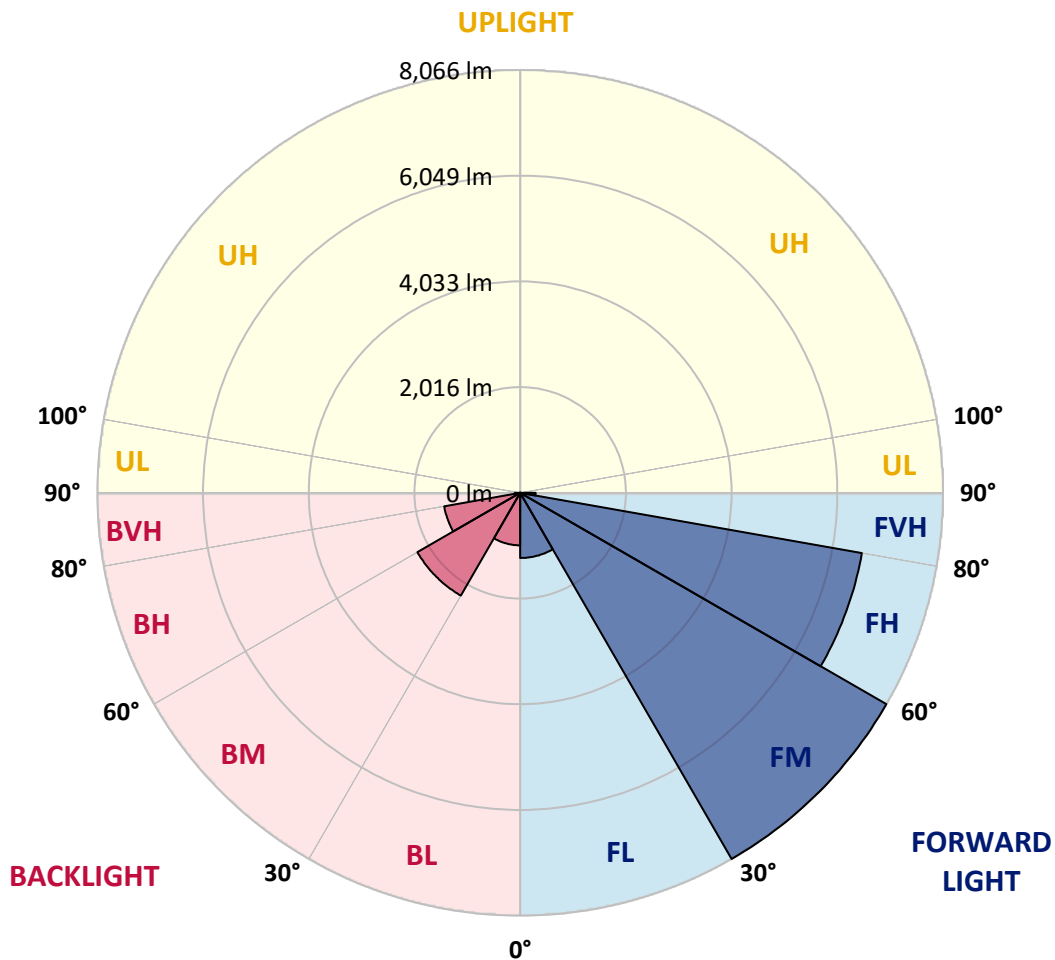
CATALOG NUMBER: VST-E07-LED-E-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1243.4	5.9			
FM (30°-60°)	8065.6	38.3			
FH (60°-80°)	6618.2	31.4			G3/7500
FVH (80°-90°)	294.6	1.4			G3/500
BL (0°-30°)	1001.5	4.8	B3/2500		
BM (30°-60°)	2263.2	10.7	B2/2500		
BH (60°-80°)	1472.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	102.4	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: P158250

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4
2.5°	2308.6	2301.6	2308.6	2314.2	2318.4	2324.0	2322.6	2321.2	2319.8	2321.2	2321.2
5°	2328.2	2326.8	2333.8	2339.4	2349.2	2356.2	2364.6	2364.6	2364.6	2363.2	2366.0
7.5°	2391.2	2389.8	2396.8	2402.4	2410.8	2424.8	2436.0	2441.6	2440.2	2440.2	2440.2
10°	2494.8	2489.2	2489.2	2489.2	2500.4	2510.2	2535.4	2538.2	2543.8	2541.0	2542.4
12.5°	2595.6	2597.0	2592.8	2588.6	2590.0	2609.6	2646.0	2653.0	2654.4	2658.6	2661.4
15°	2686.6	2685.2	2675.4	2665.6	2678.2	2711.8	2759.4	2772.0	2772.0	2780.4	2786.0
17.5°	2770.6	2767.8	2749.6	2732.8	2745.4	2802.8	2877.0	2885.4	2898.0	2902.2	2907.8
20°	2870.0	2864.4	2843.4	2798.6	2798.6	2877.0	2975.0	2983.4	2994.6	2997.4	3007.2
22.5°	3008.6	2994.6	2949.8	2868.6	2846.2	2937.2	3057.6	3061.8	3070.2	3081.4	3089.8
25°	3165.4	3168.2	3095.4	2954.0	2905.0	3000.2	3137.4	3144.4	3159.8	3168.2	3178.0
27.5°	3327.8	3332.0	3250.8	3074.4	2991.8	3087.0	3245.2	3253.6	3271.8	3281.6	3297.0
30°	3512.6	3518.2	3439.8	3262.0	3136.0	3214.4	3404.8	3427.2	3442.6	3455.2	3480.4
32.5°	3956.4	3922.8	3868.2	3679.2	3480.4	3474.8	3662.4	3687.6	3708.6	3735.2	3759.0
35°	4515.0	4536.0	4564.0	4436.6	4261.6	4134.2	4149.6	4135.6	4155.2	4194.4	4218.2
37.5°	4957.4	5003.6	5125.4	5208.0	5201.0	5175.8	4940.6	4940.6	4953.2	4932.2	4929.4
40°	5304.6	5334.0	5583.2	5903.8	6174.0	6307.0	6120.8	6094.2	6108.2	6000.4	6004.6
42.5°	5483.8	5527.2	5885.6	6448.4	6984.6	7411.6	7354.2	7336.0	7294.0	7267.4	7250.6
45°	5574.8	5626.6	6053.6	6826.4	7607.6	8267.0	8563.8	8561.0	8523.2	8492.4	8478.4
47.5°	5528.6	5573.4	6028.4	6941.2	7935.2	8818.6	9475.2	9515.8	9504.6	9549.4	9567.6
50°	5226.2	5283.6	5740.0	6693.4	7798.0	9035.6	10106.6	10182.2	10284.4	10348.8	10434.2
52.5°	4953.2	5000.8	5412.4	6291.6	7347.2	8859.2	10487.4	10642.8	10782.8	10914.4	11016.6
55°	4667.6	4715.2	5076.4	5874.4	6892.2	8338.4	10661.0	10887.8	11106.2	11328.8	11533.2
57.5°	4559.8	4610.2	4879.0	5551.0	6519.8	7821.8	10746.4	11118.8	11474.4	11852.4	12244.4
60°	4839.8	4884.6	5089.0	5559.4	6235.6	7305.2	10574.2	11159.4	11771.2	12394.2	12996.2
62.5°	4754.4	4778.2	5033.0	5762.4	6598.2	6795.6	9828.0	10600.8	11489.8	12402.6	13325.2
65°	4102.0	4148.2	4340.0	4981.2	6395.2	6727.0	8691.2	9468.2	10516.8	11596.2	12832.4
67.5°	2942.8	2878.4	3026.8	3588.2	4961.6	6715.8	7411.6	7987.0	8808.8	9636.2	10649.8
70°	1337.0	1306.2	1422.4	1866.2	2993.2	5307.4	6266.4	6461.0	6766.2	7323.4	8008.0
72.5°	527.8	526.4	602.0	771.4	1415.4	3416.0	5269.6	5381.6	5489.4	5731.6	6027.0
75°	345.8	345.8	368.2	415.8	697.2	1649.2	4457.6	4559.8	4725.0	4793.6	4919.6
77.5°	260.4	261.8	271.6	282.8	385.0	868.0	3145.8	3508.4	3788.4	3997.0	4149.6
80°	184.8	193.2	211.4	218.4	250.6	494.2	1778.0	2039.8	2356.2	2693.6	3117.8
82.5°	138.6	148.4	179.2	187.6	198.8	281.4	802.2	910.0	1062.6	1377.6	1981.0
85°	64.4	71.4	123.2	134.4	144.2	162.4	407.4	455.0	516.6	565.6	659.4
87.5°	9.8	7.0	21.0	29.4	46.2	47.6	140.0	166.6	180.6	217.0	225.4
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: P158250

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

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4
2.5°	2321.2	2322.6	2324.0	2321.2	2322.6	2322.6	2319.8	2318.4	2318.4	2318.4	2319.8
5°	2366.0	2368.8	2366.0	2367.4	2373.0	2371.6	2368.8	2367.4	2373.0	2374.4	2370.2
7.5°	2445.8	2447.2	2441.6	2448.6	2451.4	2452.8	2452.8	2455.6	2455.6	2459.8	2455.6
10°	2548.0	2548.0	2557.8	2556.4	2557.8	2560.6	2562.0	2567.6	2571.8	2571.8	2574.6
12.5°	2665.6	2667.0	2676.8	2678.2	2683.8	2685.2	2693.6	2688.0	2702.0	2702.0	2706.2
15°	2787.4	2797.2	2798.6	2812.6	2815.4	2816.8	2828.0	2828.0	2837.8	2839.2	2842.0
17.5°	2907.8	2916.2	2921.8	2933.0	2942.8	2947.0	2951.2	2959.6	2966.6	2969.4	2976.4
20°	3011.4	3019.8	3025.4	3036.6	3045.0	3052.0	3056.2	3066.0	3073.0	3075.8	3085.6
22.5°	3098.2	3103.8	3113.6	3129.0	3131.8	3140.2	3152.8	3159.8	3162.6	3171.0	3182.2
25°	3190.6	3199.0	3204.6	3218.6	3229.8	3243.8	3255.0	3266.2	3269.0	3280.2	3290.0
27.5°	3313.8	3322.2	3323.6	3351.6	3362.8	3382.4	3395.0	3411.8	3420.2	3430.0	3449.6
30°	3495.8	3515.4	3523.8	3556.0	3561.6	3584.0	3606.4	3612.0	3624.6	3626.0	3658.2
32.5°	3774.4	3802.4	3813.6	3847.2	3855.6	3876.6	3889.2	3918.6	3920.0	3934.0	3941.0
35°	4230.8	4223.8	4267.2	4275.6	4300.8	4319.0	4331.6	4331.6	4358.2	4359.6	4368.0
37.5°	4853.8	4839.8	4851.0	4800.6	4813.2	4790.8	4786.6	4792.2	4781.0	4783.8	4782.4
40°	5850.6	5787.6	5721.8	5566.4	5532.8	5468.4	5418.0	5377.4	5338.2	5296.2	5268.2
42.5°	7100.8	7009.8	6911.8	6662.6	6546.4	6421.8	6300.0	6230.0	6090.0	6004.6	5958.4
45°	8411.2	8304.8	8167.6	7960.4	7795.2	7662.2	7439.6	7334.6	7117.6	7009.8	6864.2
47.5°	9485.0	9486.4	9375.8	9165.8	8989.4	8901.2	8762.6	8559.6	8313.2	8174.6	7915.6
50°	10424.4	10423.0	10416.0	10290.0	10166.8	10070.2	9948.4	9765.0	9563.4	9406.6	9109.8
52.5°	11118.8	11211.2	11250.4	11249.0	11233.6	11188.8	11096.4	10938.2	10733.8	10645.6	10409.0
55°	11692.8	11894.4	11999.4	12229.0	12250.0	12324.2	12243.0	12244.4	12124.0	12132.4	12056.8
57.5°	12562.2	12930.4	13141.8	13650.0	13904.8	14212.8	14158.2	14415.8	14509.6	14628.6	14786.8
60°	13549.2	14236.6	14737.8	15748.6	16160.2	16658.6	16933.0	17225.6	17438.4	17656.8	17817.8
62.5°	14254.8	15157.8	15981.0	17421.6	17956.4	18481.4	18827.2	19181.4	19420.8	19577.6	19693.8
65°	13966.4	14964.6	15937.6	17448.2	18030.6	18411.4	18823.0	19027.4	19266.8	19397.0	19563.6
67.5°	11867.8	12868.8	13911.8	15694.0	16303.0	16829.4	17150.0	17414.6	17607.8	17773.0	17964.8
70°	8825.6	9920.4	10998.4	12952.8	13721.4	14481.6	14859.6	15187.2	15388.8	15555.4	15766.8
72.5°	6351.8	7037.8	7711.2	9899.4	10668.0	11650.8	12042.8	12406.8	12668.6	12660.2	12884.2
75°	5056.8	5335.4	5635.0	6764.8	7316.4	8145.2	8365.0	8569.4	8446.2	8209.6	8195.6
77.5°	4209.8	4324.6	4425.4	4779.6	4860.8	5058.2	4949.0	4835.6	4470.2	4162.2	3999.8
80°	3417.4	3644.2	3792.6	4044.6	4148.2	4207.0	4222.4	4183.2	4048.8	3862.6	3565.8
82.5°	2541.0	2972.2	3266.2	3761.8	3943.8	3981.6	4054.4	4009.6	3921.4	3770.2	3557.4
85°	744.8	842.8	966.0	1310.4	1535.8	1727.6	1923.6	2020.2	2080.4	1996.4	1776.6
87.5°	261.8	295.4	330.4	455.0	484.4	585.2	574.0	677.6	681.8	711.2	680.4
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: P158250

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

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4
2.5°	2318.4	2318.4	2318.4	2319.8	2319.8	2319.8	2317.0	2315.6	2317.0	2319.8	2319.8
5°	2373.0	2374.4	2377.2	2371.6	2373.0	2377.2	2374.4	2373.0	2374.4	2377.2	2374.4
7.5°	2461.2	2462.6	2459.8	2465.4	2465.4	2468.2	2472.4	2468.2	2469.6	2471.0	2472.4
10°	2576.0	2577.4	2580.2	2584.4	2585.8	2588.6	2591.4	2595.6	2595.6	2592.8	2599.8
12.5°	2713.2	2711.8	2714.6	2720.2	2723.0	2727.2	2735.6	2735.6	2741.2	2739.8	2746.8
15°	2847.6	2854.6	2856.0	2865.8	2870.0	2877.0	2886.8	2892.4	2892.4	2900.8	2903.6
17.5°	2982.0	2987.6	2993.2	3001.6	3007.2	3011.4	3022.6	3029.6	3028.2	3043.6	3043.6
20°	3085.6	3096.8	3103.8	3109.4	3119.2	3126.2	3134.6	3143.0	3148.6	3158.4	3161.2
22.5°	3186.4	3193.4	3203.2	3210.2	3221.4	3229.8	3239.6	3246.6	3256.4	3269.0	3273.2
25°	3298.4	3309.6	3320.8	3330.6	3339.0	3348.8	3365.6	3381.0	3395.0	3406.2	3410.4
27.5°	3453.8	3466.4	3483.2	3490.2	3502.8	3511.2	3536.4	3556.0	3563.0	3582.6	3588.2
30°	3663.8	3677.8	3694.6	3703.0	3725.4	3736.6	3763.2	3784.2	3791.2	3815.0	3819.2
32.5°	3967.6	3976.0	4009.6	4008.2	4039.0	4071.2	4086.6	4103.4	4134.2	4146.8	4151.0
35°	4389.0	4408.6	4432.4	4431.0	4470.2	4488.4	4519.2	4537.4	4559.8	4558.4	4582.2
37.5°	4796.4	4803.4	4811.8	4830.0	4858.0	4883.2	4894.4	4912.6	4929.4	4954.6	4985.4
40°	5240.2	5257.0	5258.4	5268.2	5282.2	5314.4	5335.4	5355.0	5412.4	5448.8	5467.0
42.5°	5905.2	5901.0	5873.0	5891.2	5899.6	5948.6	5964.0	6024.2	6088.6	6165.6	6186.6
45°	6760.6	6704.6	6687.8	6680.8	6725.6	6750.8	6813.8	6925.8	6993.0	7065.8	7100.8
47.5°	7813.4	7638.4	7555.8	7537.6	7583.8	7691.6	7712.6	7823.2	7911.4	7964.6	7999.6
50°	8867.6	8730.4	8556.8	8498.0	8485.4	8584.8	8608.6	8701.0	8790.6	8806.0	8787.8
52.5°	10192.0	9968.0	9681.0	9577.4	9494.8	9501.8	9521.4	9560.6	9618.0	9594.2	9545.2
55°	11886.0	11631.2	11489.8	11293.8	11169.2	11146.8	11061.4	10943.8	10939.6	10955.0	10808.0
57.5°	14707.0	14600.6	14660.8	14639.8	14516.6	14590.8	14205.8	14096.6	14009.8	13858.6	13722.8
60°	17960.6	18069.8	18194.4	18481.4	18468.8	18757.2	18489.8	18422.6	18341.4	17875.2	17647.0
62.5°	19896.8	19940.2	20123.6	20391.0	20654.2	20930.0	21054.6	21098.0	20928.6	20547.8	20071.8
65°	19559.4	19751.2	19929.0	20160.0	20430.2	20706.0	20969.2	21123.2	21084.0	20832.0	20308.4
67.5°	18026.4	18228.0	18488.4	18730.6	19021.8	19261.2	19549.6	19832.4	19840.8	19714.8	19350.8
70°	15789.2	16023.0	16291.8	16427.6	16742.6	16959.6	17199.0	17479.0	17570.0	17585.4	17161.2
72.5°	12836.6	12934.6	13066.2	12994.8	13057.8	13196.4	13132.0	13154.4	12808.6	12873.0	12349.4
75°	7817.6	7728.0	7330.4	6967.8	6525.4	6185.2	6266.4	5616.8	4977.0	4944.8	4482.8
77.5°	3964.8	3822.0	3575.6	3319.4	2944.2	2514.4	2156.0	1769.6	1443.4	1257.2	1079.4
80°	3376.8	3276.0	3140.2	2954.0	2681.0	2363.2	1989.4	1695.4	1422.4	1138.2	911.4
82.5°	3231.2	2923.2	2725.8	2570.4	2275.0	1981.0	1776.6	1575.0	1381.8	1206.8	956.2
85°	1603.0	1418.2	1199.8	1064.0	819.0	641.2	600.6	494.2	460.6	355.6	299.6
87.5°	539.0	441.0	329.0	277.2	221.2	180.6	177.8	158.2	156.8	142.8	131.6
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: P158250

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

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4
2.5°	2318.4	2321.2	2321.2	2318.4	2319.8	2317.0	2318.4	2319.8	2315.6	2314.2	2310.0
5°	2375.8	2374.4	2374.4	2375.8	2380.0	2381.4	2374.4	2377.2	2378.6	2371.6	2356.2
7.5°	2471.0	2471.0	2475.2	2473.8	2482.2	2479.4	2478.0	2478.0	2478.0	2464.0	2438.8
10°	2599.8	2599.8	2604.0	2609.6	2611.0	2608.2	2608.2	2609.6	2616.6	2588.6	2549.4
12.5°	2744.0	2751.0	2749.6	2749.6	2766.4	2762.2	2756.6	2762.2	2769.2	2730.0	2674.0
15°	2905.0	2909.2	2912.0	2921.8	2919.0	2928.8	2931.6	2928.8	2935.8	2885.4	2791.6
17.5°	3050.6	3059.0	3061.8	3073.0	3073.0	3074.4	3085.6	3081.4	3082.8	3025.4	2891.0
20°	3171.0	3179.4	3183.6	3196.2	3199.0	3204.6	3208.8	3211.6	3218.6	3150.0	2972.2
22.5°	3291.4	3298.4	3305.4	3313.8	3325.0	3332.0	3337.6	3340.4	3353.0	3273.2	3049.2
25°	3425.8	3441.2	3448.2	3462.2	3473.4	3484.6	3493.0	3494.4	3515.4	3416.0	3112.2
27.5°	3605.0	3626.0	3637.2	3659.6	3670.8	3682.0	3679.2	3696.0	3725.4	3579.8	3161.2
30°	3840.2	3866.8	3873.8	3896.2	3914.4	3925.6	3938.2	3952.2	3971.8	3761.8	3185.0
32.5°	4167.8	4208.4	4218.2	4230.8	4257.4	4277.0	4285.4	4307.8	4313.4	3934.0	3178.0
35°	4617.2	4599.0	4646.6	4657.8	4695.6	4711.0	4720.8	4750.2	4727.8	4121.6	3131.8
37.5°	5023.2	5017.6	5063.8	5089.0	5138.0	5126.8	5150.6	5170.2	5090.4	4254.6	3046.4
40°	5518.8	5511.8	5576.2	5584.6	5660.2	5643.4	5653.2	5668.6	5490.8	4347.0	2891.0
42.5°	6210.4	6213.2	6281.8	6290.2	6300.0	6330.8	6280.4	6283.2	5916.4	4372.2	2634.8
45°	7121.8	7170.8	7128.8	7130.2	7127.4	7068.6	7005.6	6931.4	6358.8	4285.4	2304.4
47.5°	8005.2	7971.6	7918.4	7869.4	7828.8	7736.4	7644.0	7518.0	6741.0	4079.6	1936.2
50°	8761.2	8685.6	8638.0	8502.2	8405.6	8285.2	8156.4	8012.2	7054.6	3782.8	1591.8
52.5°	9464.0	9385.6	9207.8	9066.4	8927.8	8768.2	8618.4	8449.0	7331.8	3444.0	1328.6
55°	10631.6	10563.0	10385.2	10126.2	9955.4	9735.6	9538.2	9308.6	7893.2	3169.6	1155.0
57.5°	13349.0	13290.2	12916.4	12752.6	12527.2	11975.6	11894.4	11536.0	9398.2	3137.4	1052.8
60°	17175.2	16923.2	16612.4	16164.4	15636.6	15454.6	15048.6	14571.2	11820.2	3225.6	970.2
62.5°	19524.4	18950.4	18494.0	17977.4	17491.6	17074.4	16630.6	16158.8	13059.2	3109.4	868.0
65°	19700.8	19026.0	18422.6	17816.4	17270.4	16751.0	16319.8	15848.0	12656.0	2672.6	735.0
67.5°	18729.2	18018.0	17360.0	16672.6	16121.0	15652.0	15103.2	14649.6	11519.2	2080.4	611.8
70°	16725.8	16101.4	15534.4	14793.8	14336.0	13764.8	13416.2	12849.2	10040.8	1418.2	505.4
72.5°	12047.0	11576.6	11391.8	10875.2	10276.0	9940.0	9779.0	9228.8	7420.0	880.6	413.0
75°	4069.8	4186.0	3920.0	3512.6	3711.4	3404.8	3529.4	3267.6	3138.8	505.4	347.2
77.5°	903.0	848.4	784.0	728.0	723.8	680.4	721.0	681.8	729.4	322.0	306.6
80°	712.6	562.8	478.8	436.8	414.4	401.8	392.0	380.8	347.2	274.4	282.8
82.5°	770.0	581.0	425.6	340.2	291.2	273.0	268.8	257.6	254.8	266.0	285.6
85°	246.4	205.8	175.0	165.2	152.6	145.6	142.8	138.6	168.0	289.8	274.4
87.5°	128.8	113.4	100.8	96.6	84.0	78.4	77.0	78.4	117.6	289.8	198.8
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: P158250

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

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4	2304.4
2.5°	2305.8	2304.4	2301.6	2300.2	2298.8	2291.8	2297.4
5°	2349.2	2335.2	2322.6	2307.2	2298.8	2291.8	2291.8
7.5°	2415.0	2375.8	2343.6	2308.6	2284.8	2266.6	2263.8
10°	2497.6	2422.0	2347.8	2284.8	2240.0	2206.4	2202.2
12.5°	2576.0	2461.2	2343.6	2240.0	2170.0	2122.4	2119.6
15°	2648.8	2482.2	2311.4	2158.8	2053.8	1990.8	1983.8
17.5°	2706.2	2469.6	2238.6	2045.4	1902.6	1828.4	1824.2
20°	2718.8	2419.2	2135.0	1905.4	1754.2	1675.8	1657.6
22.5°	2707.6	2328.2	2006.2	1751.4	1577.8	1499.4	1489.6
25°	2674.0	2217.6	1846.6	1572.2	1411.2	1331.4	1311.8
27.5°	2613.8	2087.4	1674.4	1398.6	1239.0	1162.0	1142.4
30°	2524.2	1930.6	1491.0	1236.2	1071.0	1009.4	989.8
32.5°	2399.6	1740.2	1310.4	1069.6	932.4	883.4	875.0
35°	2227.4	1521.8	1121.4	932.4	831.6	802.2	798.0
37.5°	2007.6	1303.4	963.2	834.4	761.6	743.4	740.6
40°	1720.6	1079.4	851.2	764.4	711.2	695.8	693.0
42.5°	1425.2	911.4	768.6	708.4	665.0	651.0	646.8
45°	1166.2	798.0	707.0	662.2	621.6	606.2	604.8
47.5°	973.0	732.2	656.6	620.2	579.6	561.4	562.8
50°	831.6	672.0	614.6	583.8	537.6	520.8	522.2
52.5°	735.0	611.8	575.4	540.4	501.2	484.4	484.4
55°	659.4	562.8	537.6	499.8	469.0	453.6	452.2
57.5°	597.8	523.6	501.2	470.4	439.6	421.4	421.4
60°	560.0	495.6	477.4	449.4	413.0	393.4	392.0
62.5°	537.6	487.2	471.8	432.6	392.0	372.4	368.2
65°	520.8	506.8	487.2	422.8	375.2	354.2	350.0
67.5°	522.2	553.0	525.0	428.4	369.6	338.8	333.2
70°	530.6	589.4	551.6	441.0	393.4	331.8	319.2
72.5°	488.6	533.4	497.0	420.0	383.6	319.2	303.8
75°	407.4	389.2	357.0	341.6	344.4	289.8	284.2
77.5°	330.4	289.8	259.0	271.6	289.8	247.8	242.2
80°	287.0	235.2	219.8	240.8	263.2	211.4	197.4
82.5°	268.8	198.8	189.0	250.6	275.8	182.0	159.6
85°	236.6	162.4	148.4	295.4	275.8	137.2	127.4
87.5°	158.2	96.6	92.4	217.0	189.0	95.2	77.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)