

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: P158274

Luminaire Tested: **VST-F09-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158274
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-F09-LED-E-U-SL2-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20417.3 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 234.8
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

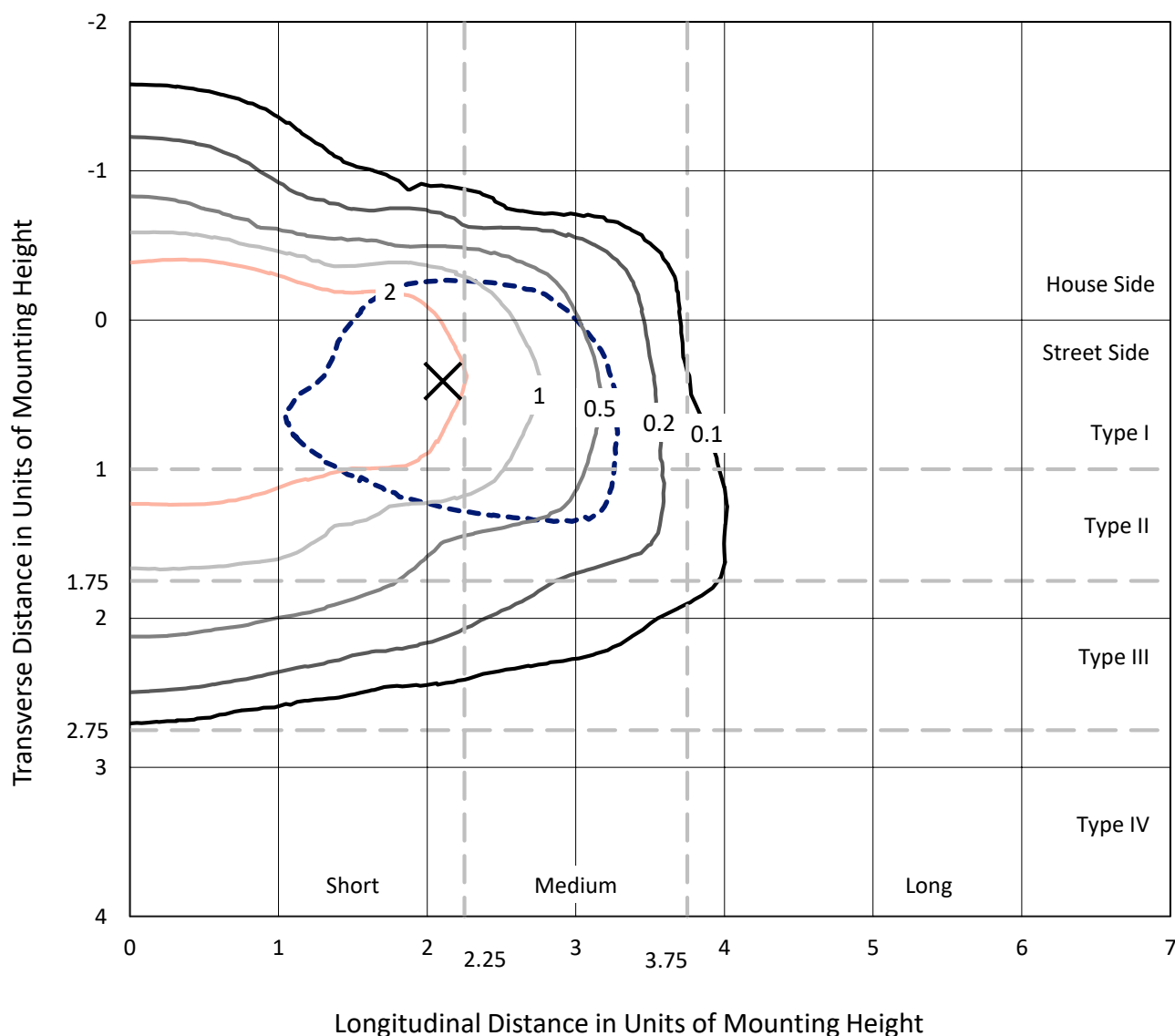


REPORT NUMBER: P158274

CATALOG NUMBER: VST-F09-LED-E-U-SL2-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

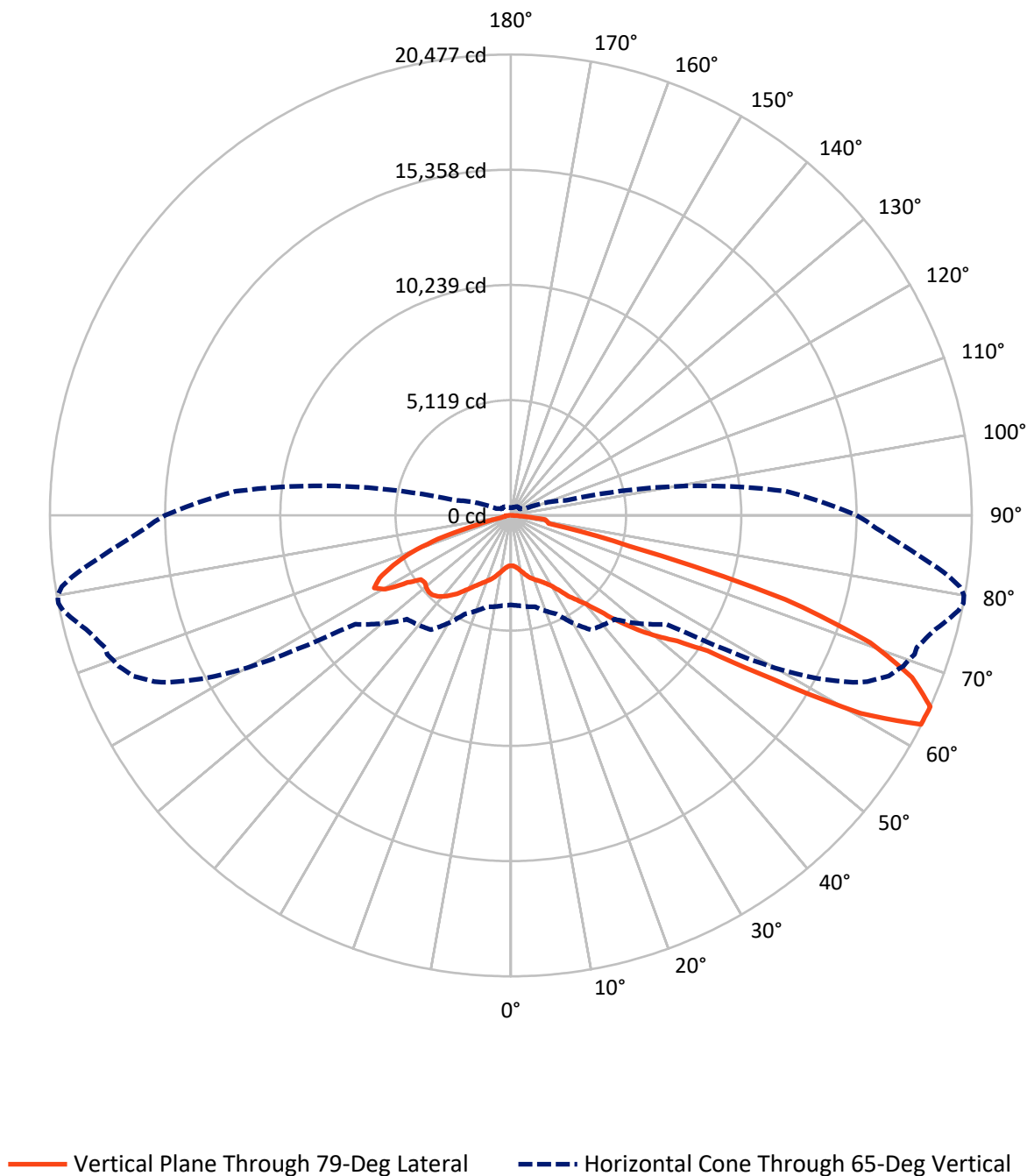


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158274

CATALOG NUMBER: VST-F09-LED-E-U-SL2-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P158274

CATALOG NUMBER: VST-F09-LED-E-U-SL2-7030

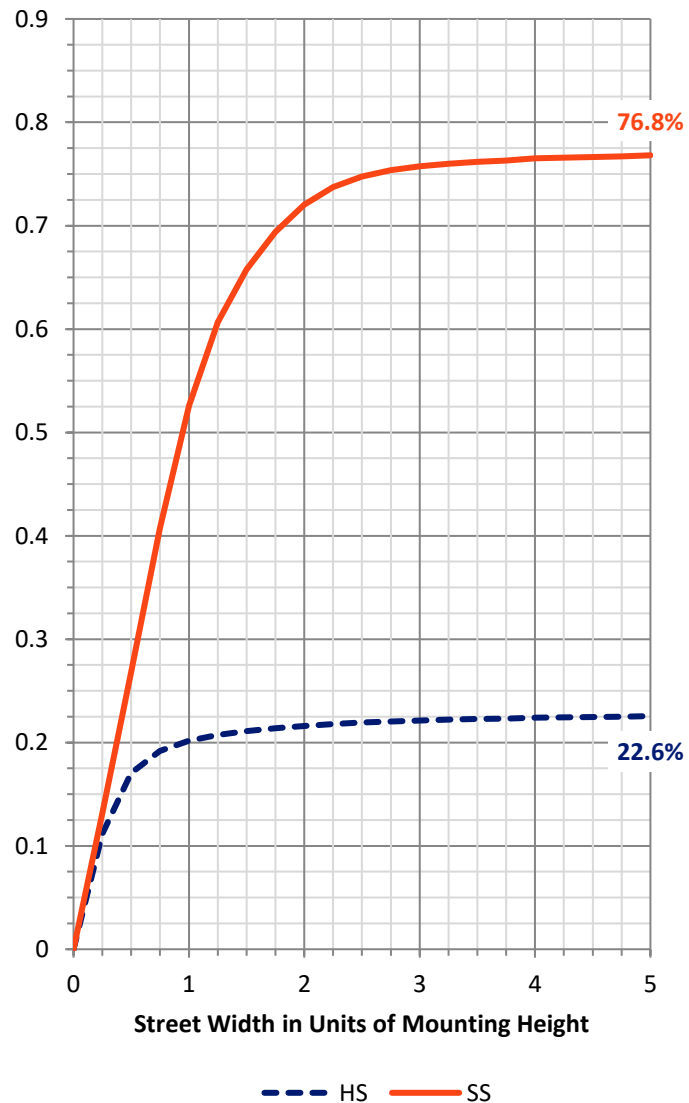
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4691.5	0.0	4691.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	15725.8	0.0	15725.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	20417.3	0.0	20417.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.0	1.1
10°-20°	717.8	3.5
20°-30°	1237.5	6.1
30°-40°	2027.0	9.9
40°-50°	3394.4	16.6
50°-60°	4591.5	22.5
60°-70°	5654.4	27.7
70°-80°	2188.8	10.7
80°-90°	384.9	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°	20417.3	100.0
0°-180°	20417.3	100.0

Coefficient of Utilization



REPORT NUMBER: P158274

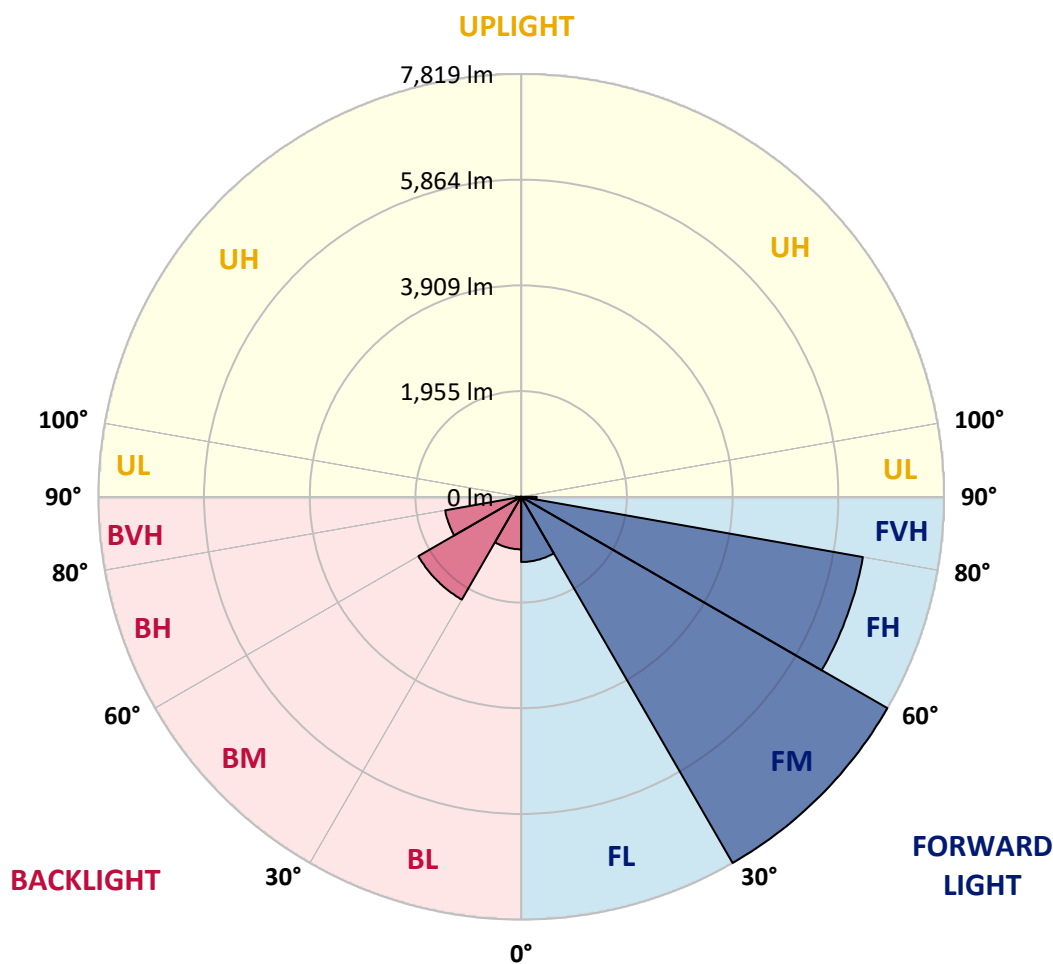
CATALOG NUMBER: VST-F09-LED-E-U-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1205.4	5.9			
FM	(30°-60°)	7818.9	38.3			
FH	(60°-80°)	6415.8	31.4			G3/7500
FVH	(80°-90°)	285.6	1.4			G3/500
BL	(0°-30°)	970.9	4.8	B2/1000		
BM	(30°-60°)	2194.0	10.7	B2/2500		
BH	(60°-80°)	1427.3	7.0	B3/2500		G3/2500
BVH	(80°-90°)	99.3	0.5			G1/100
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: P158274

CATALOG NUMBER: VST-F09-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9
2.5°	2238.0	2231.2	2238.0	2243.4	2247.5	2252.9	2251.6	2250.2	2248.9	2250.2	2250.2
5°	2257.0	2255.6	2262.4	2267.9	2277.4	2284.1	2292.3	2292.3	2292.3	2290.9	2293.6
7.5°	2318.1	2316.7	2323.5	2328.9	2337.1	2350.7	2361.5	2366.9	2365.6	2365.6	2365.6
10°	2418.5	2413.1	2413.1	2413.1	2423.9	2433.4	2457.9	2460.6	2466.0	2463.3	2464.7
12.5°	2516.2	2517.6	2513.5	2509.4	2510.8	2529.8	2565.1	2571.9	2573.2	2577.3	2580.0
15°	2604.4	2603.1	2593.6	2584.1	2596.3	2628.9	2675.0	2687.2	2687.2	2695.4	2700.8
17.5°	2685.9	2683.2	2665.5	2649.2	2661.4	2717.1	2789.0	2797.2	2809.4	2813.5	2818.9
20°	2782.2	2776.8	2756.4	2713.0	2713.0	2789.0	2884.0	2892.2	2903.0	2905.7	2915.2
22.5°	2916.6	2903.0	2859.6	2780.9	2759.2	2847.4	2964.1	2968.2	2976.3	2987.2	2995.3
25°	3068.6	3071.3	3000.7	2863.7	2816.2	2908.5	3041.5	3048.2	3063.2	3071.3	3080.8
27.5°	3226.0	3230.1	3151.4	2980.4	2900.3	2992.6	3146.0	3154.1	3171.7	3181.2	3196.2
30°	3405.2	3410.6	3334.6	3162.2	3040.1	3116.1	3300.7	3322.4	3337.3	3349.5	3374.0
32.5°	3835.4	3802.8	3749.9	3566.7	3374.0	3368.5	3550.4	3574.8	3595.2	3621.0	3644.1
35°	4376.9	4397.3	4424.4	4300.9	4131.3	4007.8	4022.7	4009.1	4028.1	4066.1	4089.2
37.5°	4805.8	4850.6	4968.7	5048.7	5042.0	5017.5	4789.5	4789.5	4801.7	4781.4	4778.7
40°	5142.4	5170.9	5412.5	5723.3	5985.2	6114.1	5933.6	5907.8	5921.4	5816.9	5821.0
42.5°	5316.1	5358.2	5705.6	6251.2	6771.0	7185.0	7129.3	7111.7	7071.0	7045.2	7028.9
45°	5404.3	5454.5	5868.5	6617.6	7375.0	8014.2	8301.9	8299.2	8262.6	8232.7	8219.1
47.5°	5359.5	5403.0	5844.1	6728.9	7692.5	8548.9	9185.5	9224.8	9214.0	9257.4	9275.0
50°	5066.4	5122.0	5564.5	6488.7	7559.5	8759.3	9797.5	9870.8	9969.9	10032.3	10115.1
52.5°	4801.7	4847.9	5246.9	6099.2	7122.5	8588.3	10166.7	10317.3	10453.1	10580.6	10679.7
55°	4524.9	4571.0	4921.2	5694.8	6681.4	8083.4	10335.0	10554.9	10766.6	10982.4	11180.5
57.5°	4420.4	4469.2	4729.8	5381.3	6320.4	7582.6	10417.8	10778.8	11123.5	11490.0	11870.0
60°	4691.8	4735.2	4933.4	5389.4	6044.9	7081.8	10250.8	10818.1	11411.2	12015.2	12598.8
62.5°	4609.0	4632.1	4879.1	5586.2	6396.4	6587.8	9527.5	10276.6	11138.4	12023.3	12917.7
65°	3976.6	4021.3	4207.3	4828.9	6199.6	6521.3	8425.4	9178.7	10195.2	11241.6	12440.0
67.5°	2852.8	2790.4	2934.2	3478.5	4809.9	6510.4	7185.0	7742.8	8539.4	9341.5	10324.1
70°	1296.1	1266.3	1378.9	1809.1	2901.7	5145.1	6074.8	6263.4	6559.3	7099.5	7763.1
72.5°	511.7	510.3	583.6	747.8	1372.1	3311.5	5108.5	5217.0	5321.5	5556.3	5842.7
75°	335.2	335.2	356.9	403.1	675.9	1598.8	4321.3	4420.4	4580.5	4647.0	4769.2
77.5°	252.4	253.8	263.3	274.2	373.2	841.5	3049.6	3401.1	3672.6	3874.8	4022.7
80°	179.1	187.3	204.9	211.7	242.9	479.1	1723.6	1977.4	2284.1	2611.2	3022.5
82.5°	134.4	143.9	173.7	181.9	192.7	272.8	777.7	882.2	1030.1	1335.5	1920.4
85°	62.4	69.2	119.4	130.3	139.8	157.4	394.9	441.1	500.8	548.3	639.2
87.5°	9.5	6.8	20.4	28.5	44.8	46.1	135.7	161.5	175.1	210.4	218.5
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: P158274

CATALOG NUMBER: VST-F09-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9
2.5°	2250.2	2251.6	2252.9	2250.2	2251.6	2251.6	2248.9	2247.5	2247.5	2247.5	2248.9
5°	2293.6	2296.4	2293.6	2295.0	2300.4	2299.1	2296.4	2295.0	2300.4	2301.8	2297.7
7.5°	2371.0	2372.4	2366.9	2373.7	2376.4	2377.8	2377.8	2380.5	2380.5	2384.6	2380.5
10°	2470.1	2470.1	2479.6	2478.2	2479.6	2482.3	2483.7	2489.1	2493.2	2493.2	2495.9
12.5°	2584.1	2585.4	2594.9	2596.3	2601.7	2603.1	2611.2	2605.8	2619.4	2619.4	2623.4
15°	2702.2	2711.7	2713.0	2726.6	2729.3	2730.7	2741.5	2741.5	2751.0	2752.4	2755.1
17.5°	2818.9	2827.0	2832.5	2843.3	2852.8	2856.9	2861.0	2869.1	2875.9	2878.6	2885.4
20°	2919.3	2927.5	2932.9	2943.7	2951.9	2958.7	2962.7	2972.2	2979.0	2981.7	2991.2
22.5°	3003.5	3008.9	3018.4	3033.3	3036.0	3044.2	3056.4	3063.2	3065.9	3074.0	3084.9
25°	3093.0	3101.2	3106.6	3120.2	3131.0	3144.6	3155.5	3166.3	3169.0	3179.9	3189.4
27.5°	3212.5	3220.6	3222.0	3249.1	3260.0	3279.0	3291.2	3307.5	3315.6	3325.1	3344.1
30°	3388.9	3407.9	3416.0	3447.3	3452.7	3474.4	3496.1	3501.5	3513.8	3515.1	3546.3
32.5°	3659.0	3686.1	3697.0	3729.6	3737.7	3758.1	3770.3	3798.8	3800.1	3813.7	3820.5
35°	4101.4	4094.6	4136.7	4144.9	4169.3	4186.9	4199.1	4199.1	4224.9	4226.3	4234.4
37.5°	4705.4	4691.8	4702.7	4653.8	4666.0	4644.3	4640.2	4645.7	4634.8	4637.5	4636.2
40°	5671.7	5610.6	5546.8	5396.2	5363.6	5301.2	5252.3	5213.0	5175.0	5134.2	5107.1
42.5°	6883.7	6795.4	6700.4	6458.9	6346.2	6225.4	6107.3	6039.5	5903.8	5821.0	5776.2
45°	8154.0	8050.8	7917.8	7717.0	7556.8	7427.9	7212.1	7110.3	6899.9	6795.4	6654.3
47.5°	9195.0	9196.3	9089.1	8885.5	8714.5	8629.0	8494.6	8297.8	8059.0	7924.6	7673.5
50°	10105.6	10104.3	10097.5	9975.3	9855.9	9762.3	9644.2	9466.4	9271.0	9118.9	8831.2
52.5°	10778.8	10868.4	10906.4	10905.0	10890.1	10846.6	10757.1	10603.7	10405.6	10320.1	10090.7
55°	11335.2	11530.7	11632.5	11855.0	11875.4	11947.3	11868.6	11870.0	11753.3	11761.4	11688.1
57.5°	12178.1	12535.0	12739.9	13232.6	13479.6	13778.2	13725.2	13975.0	14065.9	14181.3	14334.6
60°	13134.9	13801.2	14287.1	15267.0	15666.0	16149.2	16415.2	16698.8	16905.1	17116.9	17272.9
62.5°	13818.9	14694.3	15492.3	16888.9	17407.3	17916.2	18251.5	18594.8	18826.9	18978.9	19091.6
65°	13539.3	14507.0	15450.2	16914.6	17479.2	17848.4	18247.4	18445.5	18677.6	18803.8	18965.3
67.5°	11504.9	12475.3	13486.4	15214.1	15804.5	16314.8	16625.6	16882.1	17069.4	17229.5	17415.4
70°	8555.7	9617.0	10662.1	12556.7	13301.8	14038.8	14405.2	14722.8	14918.2	15079.7	15284.7
72.5°	6157.6	6822.6	7475.4	9596.7	10341.8	11294.5	11674.5	12027.4	12281.2	12273.1	12490.2
75°	4902.2	5172.2	5462.7	6557.9	7092.7	7896.1	8109.2	8307.3	8187.9	7958.6	7945.0
77.5°	4081.1	4192.4	4290.1	4633.4	4712.2	4903.5	4797.7	4687.7	4333.5	4034.9	3877.5
80°	3312.9	3532.8	3676.6	3920.9	4021.3	4078.4	4093.3	4055.3	3925.0	3744.5	3456.8
82.5°	2463.3	2881.3	3166.3	3646.8	3823.2	3859.8	3930.4	3887.0	3801.5	3654.9	3448.6
85°	722.0	817.0	936.5	1270.3	1488.8	1674.8	1864.8	1958.4	2016.8	1935.4	1722.3
87.5°	253.8	286.4	320.3	441.1	469.6	567.3	556.4	656.9	661.0	689.5	659.6
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: P158274

CATALOG NUMBER: VST-F09-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9
2.5°	2247.5	2247.5	2247.5	2248.9	2248.9	2248.9	2246.1	2244.8	2246.1	2248.9	2248.9
5°	2300.4	2301.8	2304.5	2299.1	2300.4	2304.5	2301.8	2300.4	2301.8	2304.5	2301.8
7.5°	2385.9	2387.3	2384.6	2390.0	2390.0	2392.7	2396.8	2392.7	2394.1	2395.4	2396.8
10°	2497.2	2498.6	2501.3	2505.4	2506.7	2509.4	2512.2	2516.2	2516.2	2513.5	2520.3
12.5°	2630.2	2628.9	2631.6	2637.0	2639.7	2643.8	2651.9	2651.9	2657.4	2656.0	2662.8
15°	2760.5	2767.3	2768.7	2778.2	2782.2	2789.0	2798.5	2804.0	2804.0	2812.1	2814.8
17.5°	2890.8	2896.2	2901.7	2909.8	2915.2	2919.3	2930.2	2937.0	2935.6	2950.5	2950.5
20°	2991.2	3002.1	3008.9	3014.3	3023.8	3030.6	3038.7	3046.9	3052.3	3061.8	3064.5
22.5°	3089.0	3095.7	3105.2	3112.0	3122.9	3131.0	3140.5	3147.3	3156.8	3169.0	3173.1
25°	3197.5	3208.4	3219.3	3228.8	3236.9	3246.4	3262.7	3277.6	3291.2	3302.0	3306.1
27.5°	3348.2	3360.4	3376.7	3383.5	3395.7	3403.8	3428.3	3447.3	3454.0	3473.0	3478.5
30°	3551.8	3565.3	3581.6	3589.8	3611.5	3622.3	3648.1	3668.5	3675.3	3698.3	3702.4
32.5°	3846.3	3854.4	3887.0	3885.6	3915.5	3946.7	3961.6	3977.9	4007.8	4020.0	4024.1
35°	4254.8	4273.8	4296.9	4295.5	4333.5	4351.1	4381.0	4398.6	4420.4	4419.0	4442.1
37.5°	4649.7	4656.5	4664.7	4682.3	4709.4	4733.9	4744.7	4762.4	4778.7	4803.1	4832.9
40°	5080.0	5096.2	5097.6	5107.1	5120.7	5151.9	5172.2	5191.2	5246.9	5282.2	5299.8
42.5°	5724.6	5720.5	5693.4	5711.0	5719.2	5766.7	5781.6	5840.0	5902.4	5977.1	5997.4
45°	6553.9	6499.6	6483.3	6476.5	6519.9	6544.4	6605.4	6714.0	6779.2	6849.7	6883.7
47.5°	7574.5	7404.8	7324.7	7307.1	7351.9	7456.4	7476.8	7584.0	7669.5	7721.0	7755.0
50°	8596.4	8463.4	8295.1	8238.1	8225.9	8322.3	8345.4	8434.9	8521.8	8536.7	8519.1
52.5°	9880.3	9663.2	9385.0	9284.5	9204.5	9211.2	9230.2	9268.2	9323.9	9300.8	9253.3
55°	11522.5	11275.5	11138.4	10948.4	10827.6	10805.9	10723.1	10609.1	10605.1	10620.0	10477.5
57.5°	14257.3	14154.1	14212.5	14192.1	14072.7	14144.6	13771.4	13665.5	13581.4	13434.8	13303.2
60°	17411.4	17517.2	17638.0	17916.2	17904.0	18183.6	17924.4	17859.2	17780.5	17328.6	17107.4
62.5°	19288.4	19330.4	19508.2	19767.4	20022.6	20290.0	20410.8	20452.8	20288.6	19919.5	19458.0
65°	18961.3	19147.2	19319.6	19543.5	19805.4	20072.8	20328.0	20477.3	20439.3	20195.0	19687.4
67.5°	17475.2	17670.6	17923.0	18157.8	18440.1	18672.2	18951.8	19225.9	19234.1	19111.9	18759.1
70°	15306.4	15533.0	15793.6	15925.2	16230.6	16441.0	16673.1	16944.5	17032.7	17047.6	16636.4
72.5°	12444.1	12539.1	12666.6	12597.4	12658.5	12792.9	12730.4	12752.1	12416.9	12479.3	11971.8
75°	7578.5	7491.7	7106.2	6754.7	6325.9	5996.1	6074.8	5445.0	4824.8	4793.6	4345.7
77.5°	3843.6	3705.1	3466.3	3217.9	2854.2	2437.5	2090.1	1715.5	1399.3	1218.8	1046.4
80°	3273.5	3175.8	3044.2	2863.7	2599.0	2290.9	1928.6	1643.6	1378.9	1103.4	883.5
82.5°	3132.4	2833.8	2642.4	2491.8	2205.4	1920.4	1722.3	1526.8	1339.5	1169.9	927.0
85°	1554.0	1374.8	1163.1	1031.5	794.0	621.6	582.2	479.1	446.5	344.7	290.4
87.5°	522.5	427.5	318.9	268.7	214.4	175.1	172.4	153.4	152.0	138.4	127.6
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: P158274

CATALOG NUMBER: VST-F09-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9
2.5°	2247.5	2250.2	2250.2	2247.5	2248.9	2246.1	2247.5	2248.9	2244.8	2243.4	2239.4
5°	2303.1	2301.8	2301.8	2303.1	2307.2	2308.6	2301.8	2304.5	2305.9	2299.1	2284.1
7.5°	2395.4	2395.4	2399.5	2398.2	2406.3	2403.6	2402.2	2402.2	2402.2	2388.7	2364.2
10°	2520.3	2520.3	2524.4	2529.8	2531.2	2528.4	2528.4	2529.8	2536.6	2509.4	2471.4
12.5°	2660.1	2666.9	2665.5	2665.5	2681.8	2677.7	2672.3	2677.7	2684.5	2646.5	2592.2
15°	2816.2	2820.2	2823.0	2832.5	2829.7	2839.2	2842.0	2839.2	2846.0	2797.2	2706.2
17.5°	2957.3	2965.5	2968.2	2979.0	2979.0	2980.4	2991.2	2987.2	2988.5	2932.9	2802.6
20°	3074.0	3082.2	3086.2	3098.5	3101.2	3106.6	3110.7	3113.4	3120.2	3053.7	2881.3
22.5°	3190.7	3197.5	3204.3	3212.5	3223.3	3230.1	3235.5	3238.3	3250.5	3173.1	2956.0
25°	3321.0	3336.0	3342.8	3356.3	3367.2	3378.0	3386.2	3387.5	3407.9	3311.5	3017.0
27.5°	3494.8	3515.1	3526.0	3547.7	3558.5	3569.4	3566.7	3583.0	3611.5	3470.3	3064.5
30°	3722.8	3748.6	3755.3	3777.1	3794.7	3805.6	3817.8	3831.3	3850.3	3646.8	3087.6
32.5°	4040.3	4079.7	4089.2	4101.4	4127.2	4146.2	4154.4	4176.1	4181.5	3813.7	3080.8
35°	4476.0	4458.4	4504.5	4515.4	4552.0	4566.9	4576.4	4604.9	4583.2	3995.6	3036.0
37.5°	4869.6	4864.2	4908.9	4933.4	4980.9	4970.0	4993.1	5012.1	4934.7	4124.5	2953.2
40°	5350.0	5343.3	5405.7	5413.8	5487.1	5470.8	5480.3	5495.3	5322.9	4214.1	2802.6
42.5°	6020.5	6023.2	6089.7	6097.8	6107.3	6137.2	6088.3	6091.1	5735.5	4238.5	2554.2
45°	6904.0	6951.5	6910.8	6912.2	6909.4	6852.4	6791.4	6719.4	6164.3	4154.4	2233.9
47.5°	7760.4	7727.8	7676.3	7628.8	7589.4	7499.8	7410.2	7288.1	6534.9	3954.8	1877.0
50°	8493.3	8420.0	8373.9	8242.2	8148.6	8031.8	7907.0	7767.2	6838.9	3667.1	1543.1
52.5°	9174.6	9098.6	8926.2	8789.2	8654.8	8500.1	8354.9	8190.6	7107.6	3338.7	1288.0
55°	10306.5	10240.0	10067.6	9816.5	9651.0	9437.9	9246.5	9023.9	7651.8	3072.7	1119.7
57.5°	12940.8	12883.8	12521.4	12362.6	12144.1	11609.4	11530.7	11183.2	9110.8	3041.5	1020.6
60°	16650.0	16405.7	16104.4	15670.1	15158.4	14982.0	14588.4	14125.6	11458.7	3127.0	940.5
62.5°	18927.3	18370.9	17928.5	17427.7	16956.7	16552.3	16122.0	15664.7	12659.9	3014.3	841.5
65°	19098.4	18444.2	17859.2	17271.6	16742.3	16238.8	15820.7	15363.4	12269.0	2590.9	712.5
67.5°	18156.5	17467.0	16829.1	16162.8	15628.0	15173.4	14641.3	14201.6	11166.9	2016.8	593.1
70°	16214.3	15609.0	15059.4	14341.4	13897.6	13343.9	13005.9	12456.3	9733.8	1374.8	489.9
72.5°	11678.6	11222.6	11043.4	10542.6	9961.8	9636.0	9480.0	8946.6	7193.1	853.7	400.4
75°	3945.3	4058.0	3800.1	3405.2	3597.9	3300.7	3421.5	3167.7	3042.8	489.9	336.6
77.5°	875.4	822.5	760.0	705.7	701.7	659.6	699.0	661.0	707.1	312.2	297.2
80°	690.8	545.6	464.2	423.4	401.7	389.5	380.0	369.2	336.6	266.0	274.2
82.5°	746.5	563.2	412.6	329.8	282.3	264.7	260.6	249.7	247.0	257.9	276.9
85°	238.9	199.5	169.6	160.1	147.9	141.1	138.4	134.4	162.9	280.9	266.0
87.5°	124.9	109.9	97.7	93.6	81.4	76.0	74.6	76.0	114.0	280.9	192.7
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: P158274

CATALOG NUMBER: VST-F09-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9	2233.9
2.5°	2235.3	2233.9	2231.2	2229.9	2228.5	2221.7	2227.1
5°	2277.4	2263.8	2251.6	2236.6	2228.5	2221.7	2221.7
7.5°	2341.1	2303.1	2271.9	2238.0	2214.9	2197.3	2194.6
10°	2421.2	2347.9	2276.0	2214.9	2171.5	2138.9	2134.9
12.5°	2497.2	2385.9	2271.9	2171.5	2103.6	2057.5	2054.8
15°	2567.8	2406.3	2240.7	2092.8	1991.0	1929.9	1923.1
17.5°	2623.4	2394.1	2170.1	1982.9	1844.4	1772.5	1768.4
20°	2635.7	2345.2	2069.7	1847.1	1700.6	1624.6	1606.9
22.5°	2624.8	2257.0	1944.9	1697.8	1529.6	1453.5	1444.0
25°	2592.2	2149.8	1790.1	1524.1	1368.0	1290.7	1271.7
27.5°	2533.9	2023.6	1623.2	1355.8	1201.1	1126.5	1107.5
30°	2447.0	1871.6	1445.4	1198.4	1038.2	978.5	959.5
32.5°	2326.2	1687.0	1270.3	1036.9	903.9	856.4	848.2
35°	2159.3	1475.3	1087.1	903.9	806.2	777.7	773.6
37.5°	1946.2	1263.5	933.7	808.9	738.3	720.7	718.0
40°	1668.0	1046.4	825.2	741.0	689.5	674.5	671.8
42.5°	1381.6	883.5	745.1	686.7	644.7	631.1	627.0
45°	1130.5	773.6	685.4	642.0	602.6	587.7	586.3
47.5°	943.2	709.8	636.5	601.2	561.9	544.2	545.6
50°	806.2	651.5	595.8	565.9	521.2	504.9	506.2
52.5°	712.5	593.1	557.8	523.9	485.9	469.6	469.6
55°	639.2	545.6	521.2	484.5	454.7	439.7	438.4
57.5°	579.5	507.6	485.9	456.0	426.2	408.5	408.5
60°	542.9	480.4	462.8	435.7	400.4	381.4	380.0
62.5°	521.2	472.3	457.4	419.4	380.0	361.0	356.9
65°	504.9	491.3	472.3	409.9	363.7	343.4	339.3
67.5°	506.2	536.1	508.9	415.3	358.3	328.4	323.0
70°	514.4	571.4	534.7	427.5	381.4	321.7	309.4
72.5°	473.7	517.1	481.8	407.2	371.9	309.4	294.5
75°	394.9	377.3	346.1	331.2	333.9	280.9	275.5
77.5°	320.3	280.9	251.1	263.3	280.9	240.2	234.8
80°	278.2	228.0	213.1	233.4	255.2	204.9	191.4
82.5°	260.6	192.7	183.2	242.9	267.4	176.4	154.7
85°	229.4	157.4	143.9	286.4	267.4	133.0	123.5
87.5°	153.4	93.6	89.6	210.4	183.2	92.3	74.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)