

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: P158284

Luminaire Tested: **VST-F10-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158284
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-F10-LED-E-U-SL2-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (70) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22685.9 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

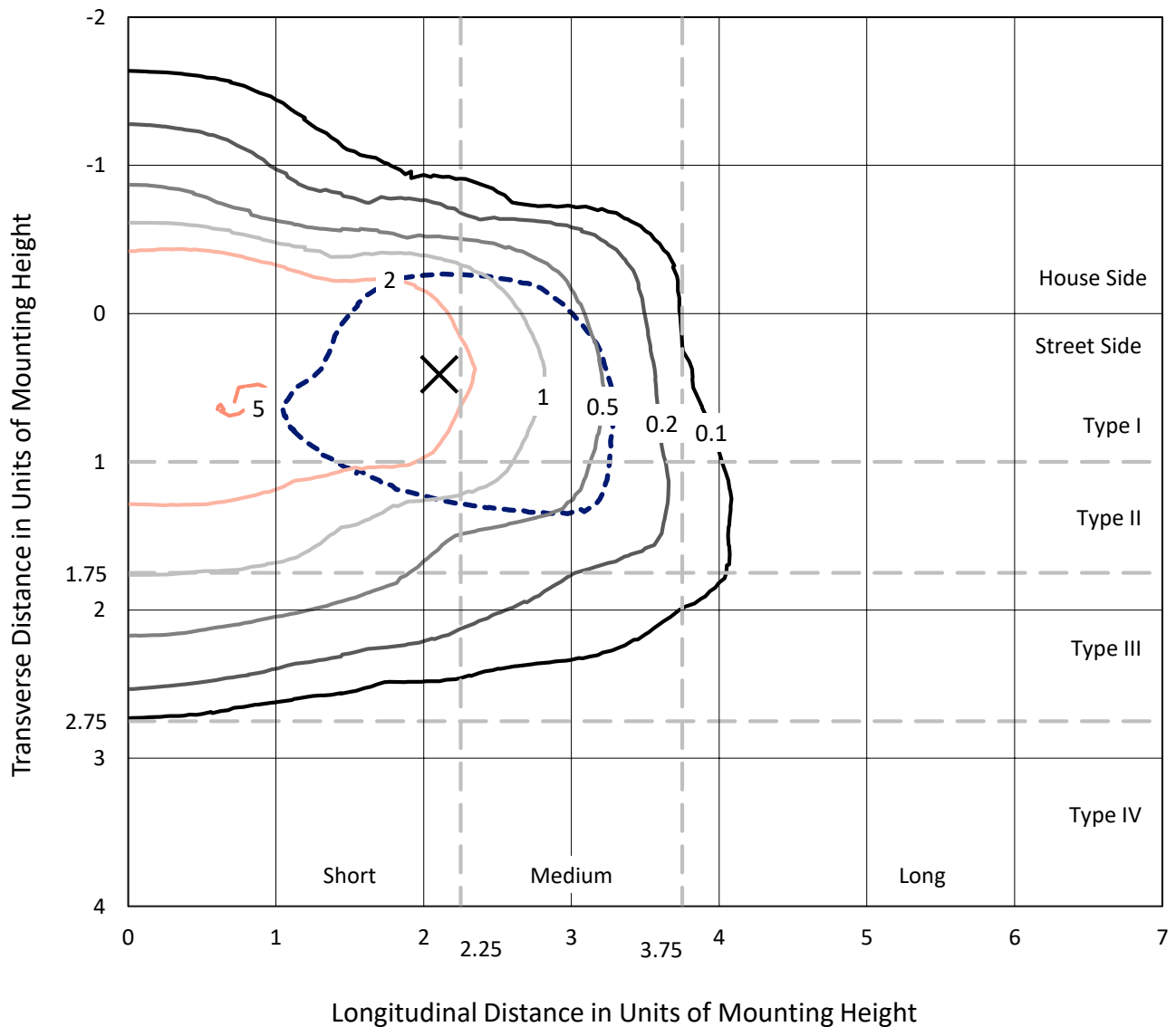
Input Watts (W): 258.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P158284
 CATALOG NUMBER: VST-F10-LED-E-U-SL2-7030

Iso-Footcandle Lines of Horizontal Illumination

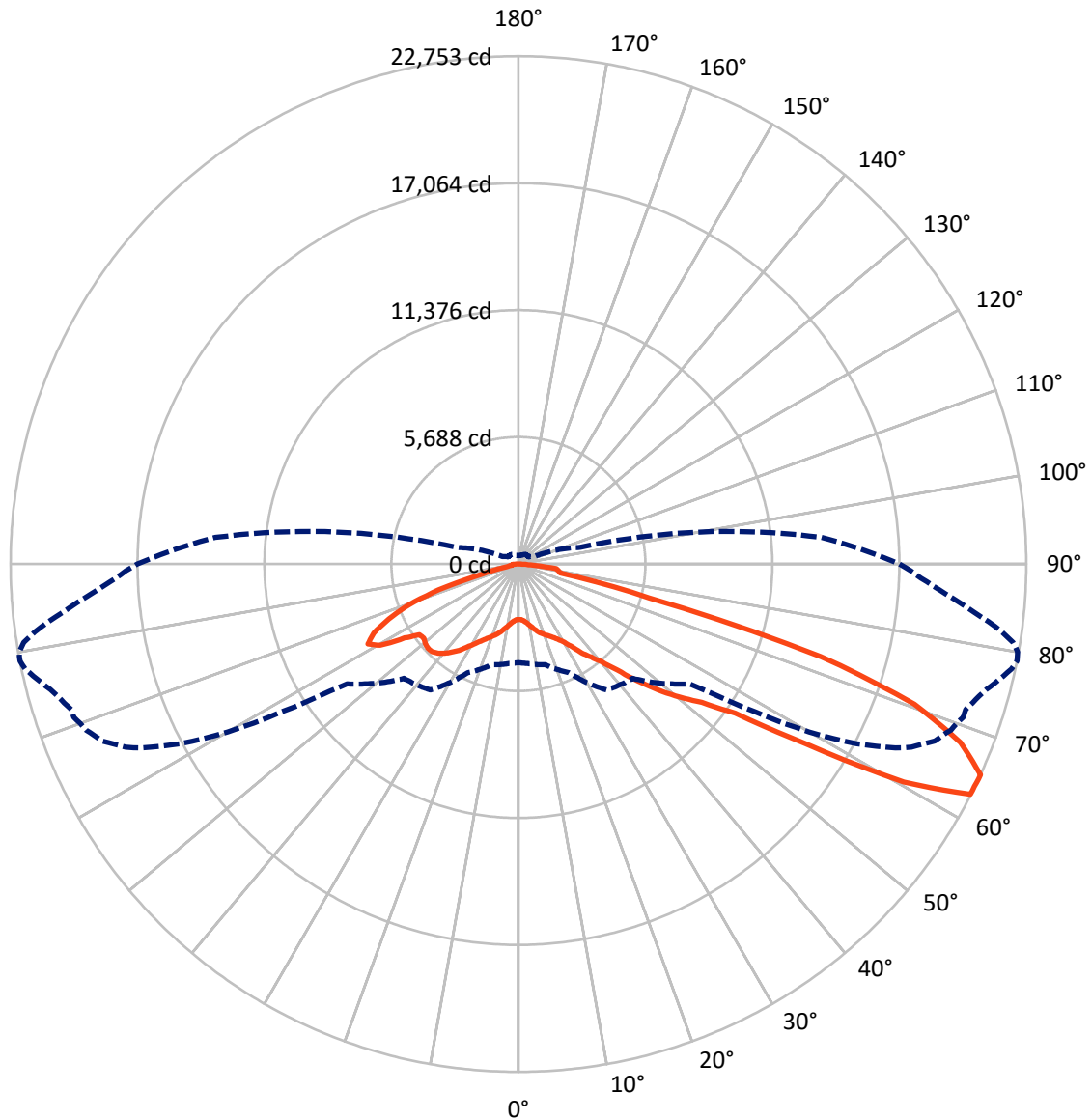
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158284
CATALOG NUMBER: VST-F10-LED-E-U-SL2-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P158284

CATALOG NUMBER: VST-F10-LED-E-U-SL2-7030

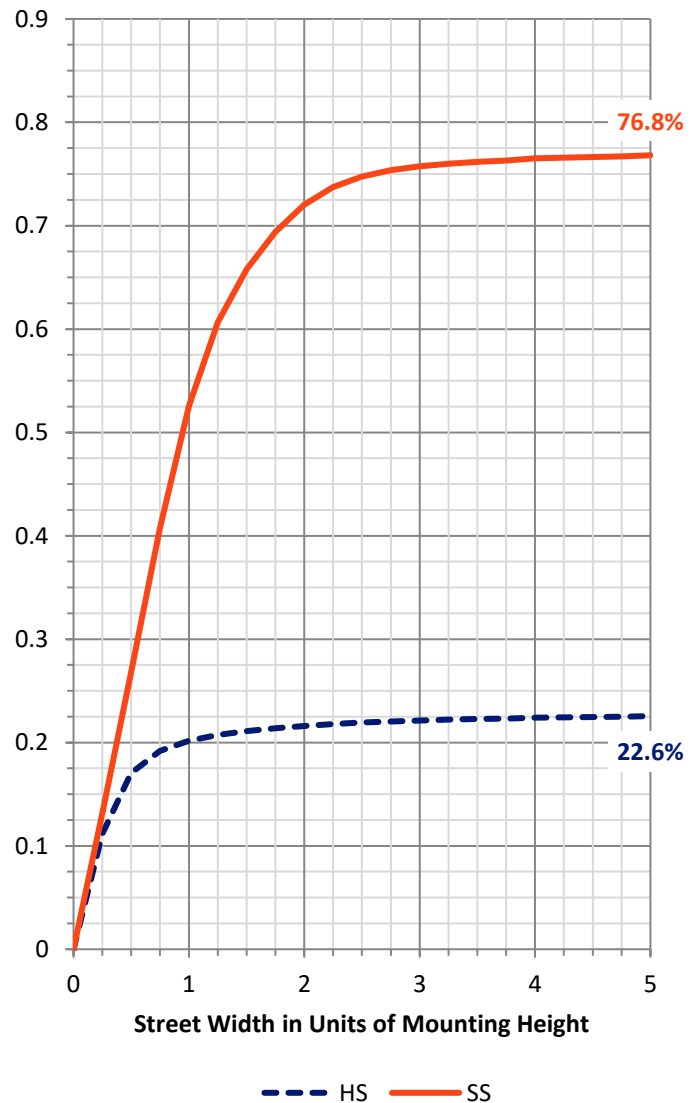
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5212.8	0.0	5212.8
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	17473.1	0.0	17473.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	22685.9	0.0	22685.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.6	1.1
10°-20°	797.6	3.5
20°-30°	1375.0	6.1
30°-40°	2252.2	9.9
40°-50°	3771.6	16.6
50°-60°	5101.7	22.5
60°-70°	6282.7	27.7
70°-80°	2432.0	10.7
80°-90°	427.7	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°	22685.9	100.0
0°-180°	22685.9	100.0



REPORT NUMBER: P158284

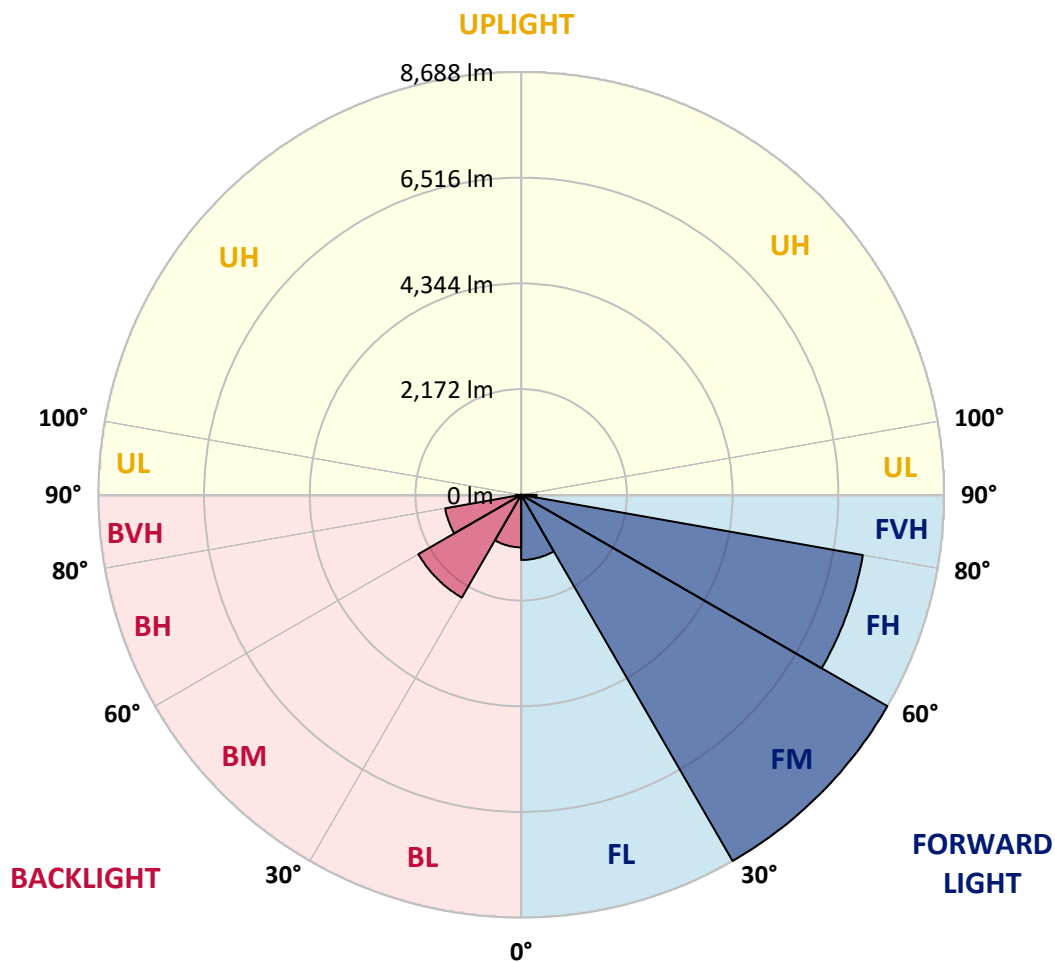
CATALOG NUMBER: VST-F10-LED-E-U-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1339.3	5.9			
FM	(30°-60°)	8687.7	38.3			
FH	(60°-80°)	7128.7	31.4			G3/7500
FVH	(80°-90°)	317.4	1.4			G3/500
BL	(0°-30°)	1078.8	4.8	B3/2500		
BM	(30°-60°)	2437.7	10.7	B2/2500		
BH	(60°-80°)	1585.9	7.0	B3/2500		G3/2500
BVH	(80°-90°)	110.3	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: P158284

CATALOG NUMBER: VST-F10-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1
2.5°	2486.7	2479.1	2486.7	2492.7	2497.2	2503.3	2501.8	2500.2	2498.7	2500.2	2500.2
5°	2507.8	2506.3	2513.8	2519.8	2530.4	2537.9	2547.0	2547.0	2547.0	2545.5	2548.5
7.5°	2575.6	2574.1	2581.7	2587.7	2596.8	2611.8	2623.9	2629.9	2628.4	2628.4	2628.4
10°	2687.2	2681.2	2681.2	2681.2	2693.3	2703.8	2731.0	2734.0	2740.0	2737.0	2738.5
12.5°	2795.8	2797.3	2792.8	2788.3	2789.8	2810.9	2850.1	2857.6	2859.1	2863.7	2866.7
15°	2893.8	2892.3	2881.8	2871.2	2884.8	2921.0	2972.2	2985.8	2985.8	2994.9	3000.9
17.5°	2984.3	2981.3	2961.7	2943.6	2957.2	3019.0	3098.9	3108.0	3121.5	3126.1	3132.1
20°	3091.4	3085.3	3062.7	3014.5	3014.5	3098.9	3204.5	3213.5	3225.6	3228.6	3239.2
22.5°	3240.7	3225.6	3177.3	3089.9	3065.7	3163.8	3293.4	3298.0	3307.0	3319.1	3328.1
25°	3409.6	3412.6	3334.2	3181.9	3129.1	3231.6	3379.4	3386.9	3403.5	3412.6	3423.1
27.5°	3584.5	3589.0	3501.5	3311.5	3222.6	3325.1	3495.5	3504.6	3524.2	3534.7	3551.3
30°	3783.5	3789.6	3705.1	3513.6	3377.9	3462.3	3667.4	3691.6	3708.1	3721.7	3748.9
32.5°	4261.6	4225.4	4166.6	3963.0	3748.9	3742.8	3944.9	3972.0	3994.7	4023.3	4048.9
35°	4863.3	4885.9	4916.0	4778.8	4590.3	4453.1	4469.7	4454.6	4475.7	4517.9	4543.6
37.5°	5339.8	5389.5	5520.7	5609.7	5602.2	5575.0	5321.7	5321.7	5335.3	5312.6	5309.6
40°	5713.8	5745.4	6013.9	6359.2	6650.2	6793.5	6592.9	6564.3	6579.3	6463.2	6467.8
42.5°	5906.8	5953.5	6339.6	6945.8	7523.3	7983.3	7921.5	7901.9	7856.6	7828.0	7809.9
45°	6004.8	6060.6	6520.5	7352.9	8194.4	8904.7	9224.4	9221.3	9180.6	9147.4	9132.4
47.5°	5955.0	6003.3	6493.4	7476.6	8547.3	9498.8	10206.1	10249.8	10237.7	10286.0	10305.6
50°	5629.3	5691.1	6182.7	7209.7	8399.5	9732.5	10886.2	10967.6	11077.7	11147.0	11239.0
52.5°	5335.3	5386.5	5829.9	6776.9	7913.9	9542.5	11296.3	11463.7	11614.5	11756.3	11866.3
55°	5027.6	5078.9	5468.0	6327.5	7423.8	8981.6	11483.3	11727.6	11962.9	12202.6	12422.8
57.5°	4911.5	4965.8	5255.3	5979.2	7022.7	8425.1	11575.3	11976.4	12359.5	12766.6	13188.9
60°	5213.1	5261.4	5481.5	5988.2	6716.6	7868.7	11389.8	12020.2	12679.2	13350.2	13998.6
62.5°	5121.1	5146.8	5421.2	6206.9	7107.1	7319.8	10586.1	11418.5	12376.0	13359.3	14353.0
65°	4418.4	4468.2	4674.8	5365.4	6888.5	7245.9	9361.6	10198.5	11328.0	12490.7	13822.2
67.5°	3169.8	3100.4	3260.3	3865.0	5344.3	7233.8	7983.3	8603.1	9488.3	10379.5	11471.3
70°	1440.1	1407.0	1532.1	2010.1	3224.1	5716.8	6749.7	6959.4	7288.1	7888.3	8625.7
72.5°	568.5	567.0	648.4	830.9	1524.6	3679.5	5676.1	5796.7	5912.8	6173.7	6491.9
75°	372.5	372.5	396.6	447.9	751.0	1776.4	4801.4	4911.5	5089.5	5163.3	5299.1
77.5°	280.5	282.0	292.5	304.6	414.7	935.0	3388.4	3779.0	4080.6	4305.3	4469.7
80°	199.1	208.1	227.7	235.2	269.9	532.3	1915.1	2197.1	2537.9	2901.4	3358.3
82.5°	149.3	159.8	193.0	202.1	214.1	303.1	864.1	980.2	1144.6	1483.9	2133.8
85°	69.4	76.9	132.7	144.8	155.3	174.9	438.8	490.1	556.4	609.2	710.3
87.5°	10.6	7.5	22.6	31.7	49.8	51.3	150.8	179.5	194.5	233.7	242.8
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: P158284

CATALOG NUMBER: VST-F10-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1
2.5°	2500.2	2501.8	2503.3	2500.2	2501.8	2501.8	2498.7	2497.2	2497.2	2497.2	2498.7
5°	2548.5	2551.5	2548.5	2550.0	2556.0	2554.5	2551.5	2550.0	2556.0	2557.5	2553.0
7.5°	2634.5	2636.0	2629.9	2637.5	2640.5	2642.0	2642.0	2645.0	2645.0	2649.5	2645.0
10°	2744.5	2744.5	2755.1	2753.6	2755.1	2758.1	2759.6	2765.6	2770.2	2770.2	2773.2
12.5°	2871.2	2872.7	2883.3	2884.8	2890.8	2892.3	2901.4	2895.3	2910.4	2910.4	2914.9
15°	3002.4	3013.0	3014.5	3029.5	3032.6	3034.1	3046.1	3046.1	3056.7	3058.2	3061.2
17.5°	3132.1	3141.1	3147.2	3159.2	3169.8	3174.3	3178.8	3187.9	3195.4	3198.4	3206.0
20°	3243.7	3252.7	3258.8	3270.8	3279.9	3287.4	3291.9	3302.5	3310.0	3313.0	3323.6
22.5°	3337.2	3343.2	3353.8	3370.4	3373.4	3382.4	3396.0	3403.5	3406.5	3415.6	3427.7
25°	3436.7	3445.8	3451.8	3466.9	3478.9	3494.0	3506.1	3518.1	3521.1	3533.2	3543.8
27.5°	3569.4	3578.5	3580.0	3610.1	3622.2	3643.3	3656.9	3675.0	3684.0	3694.6	3715.7
30°	3765.4	3786.6	3795.6	3830.3	3836.3	3860.4	3884.6	3890.6	3904.2	3905.7	3940.4
32.5°	4065.5	4095.7	4107.8	4143.9	4153.0	4175.6	4189.2	4220.9	4222.4	4237.4	4245.0
35°	4557.1	4549.6	4596.3	4605.4	4632.5	4652.1	4665.7	4665.7	4694.4	4695.9	4704.9
37.5°	5228.2	5213.1	5225.2	5170.9	5184.5	5160.3	5155.8	5161.8	5149.8	5152.8	5151.3
40°	6301.9	6234.0	6163.1	5995.8	5959.6	5890.2	5835.9	5792.2	5750.0	5704.7	5674.6
42.5°	7648.5	7550.5	7444.9	7176.5	7051.3	6917.1	6785.9	6710.5	6559.7	6467.8	6418.0
45°	9060.0	8945.4	8797.6	8574.4	8396.5	8253.2	8013.4	7900.3	7666.6	7550.5	7393.7
47.5°	10216.6	10218.1	10099.0	9872.8	9682.8	9587.8	9438.5	9219.8	8954.4	8805.1	8526.2
50°	11228.5	11227.0	11219.4	11083.7	10951.0	10847.0	10715.8	10518.2	10301.1	10132.2	9812.5
52.5°	11976.4	12076.0	12118.2	12116.7	12100.1	12051.8	11952.3	11781.9	11561.7	11466.7	11211.9
55°	12594.7	12811.9	12925.0	13172.3	13194.9	13274.8	13187.3	13188.9	13059.2	13068.2	12986.8
57.5°	13531.2	13927.8	14155.5	14702.9	14977.3	15309.1	15250.3	15527.7	15628.8	15757.0	15927.4
60°	14594.3	15334.7	15874.6	16963.3	17406.7	17943.5	18239.1	18554.3	18783.5	19018.7	19192.1
62.5°	15354.3	16327.0	17213.7	18765.4	19341.4	19906.9	20279.4	20660.9	20918.8	21087.7	21212.9
65°	15043.7	16118.9	17166.9	18794.0	19421.4	19831.5	20274.9	20495.1	20752.9	20893.2	21072.6
67.5°	12783.2	13861.4	14984.9	16904.5	17560.5	18127.5	18472.8	18757.8	18966.0	19143.9	19350.5
70°	9506.3	10685.6	11846.7	13951.9	14779.8	15598.6	16005.8	16358.6	16575.8	16755.2	16982.9
72.5°	6841.7	7580.7	8306.0	10663.0	11490.9	12549.5	12971.7	13363.8	13645.8	13636.7	13878.0
75°	5446.8	5746.9	6069.6	7286.6	7880.7	8773.5	9010.2	9230.4	9097.7	8842.8	8827.8
77.5°	4534.5	4658.2	4766.7	5148.3	5235.7	5448.4	5330.7	5208.6	4815.0	4483.2	4308.3
80°	3681.0	3925.3	4085.1	4356.6	4468.2	4531.5	4548.1	4505.9	4361.1	4160.5	3840.8
82.5°	2737.0	3201.5	3518.1	4052.0	4248.0	4288.7	4367.1	4318.9	4223.9	4061.0	3831.8
85°	802.2	907.8	1040.5	1411.5	1654.3	1860.9	2072.0	2176.0	2240.9	2150.4	1913.6
87.5°	282.0	318.2	355.9	490.1	521.8	630.3	618.3	729.9	734.4	766.1	732.9
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1
2.5°	2497.2	2497.2	2497.2	2498.7	2498.7	2498.7	2495.7	2494.2	2495.7	2498.7	2498.7
5°	2556.0	2557.5	2560.6	2554.5	2556.0	2560.6	2557.5	2556.0	2557.5	2560.6	2557.5
7.5°	2651.0	2652.5	2649.5	2655.6	2655.6	2658.6	2663.1	2658.6	2660.1	2661.6	2663.1
10°	2774.7	2776.2	2779.2	2783.7	2785.3	2788.3	2791.3	2795.8	2795.8	2792.8	2800.3
12.5°	2922.5	2921.0	2924.0	2930.0	2933.0	2937.6	2946.6	2946.6	2952.6	2951.1	2958.7
15°	3067.2	3074.8	3076.3	3086.8	3091.4	3098.9	3109.5	3115.5	3115.5	3124.5	3127.6
17.5°	3212.0	3218.0	3224.1	3233.1	3239.2	3243.7	3255.7	3263.3	3261.8	3278.4	3278.4
20°	3323.6	3335.7	3343.2	3349.2	3359.8	3367.3	3376.4	3385.4	3391.5	3402.0	3405.0
22.5°	3432.2	3439.7	3450.3	3457.8	3469.9	3478.9	3489.5	3497.0	3507.6	3521.1	3525.7
25°	3552.8	3564.9	3576.9	3587.5	3596.5	3607.1	3625.2	3641.8	3656.9	3668.9	3673.5
27.5°	3720.2	3733.8	3751.9	3759.4	3773.0	3782.0	3809.2	3830.3	3837.8	3858.9	3865.0
30°	3946.4	3961.5	3979.6	3988.6	4012.8	4024.8	4053.5	4076.1	4083.6	4109.3	4113.8
32.5°	4273.6	4282.7	4318.9	4317.4	4350.5	4385.2	4401.8	4419.9	4453.1	4466.7	4471.2
35°	4727.5	4748.7	4774.3	4772.8	4815.0	4834.6	4867.8	4887.4	4911.5	4910.0	4935.6
37.5°	5166.4	5173.9	5183.0	5202.6	5232.7	5259.9	5271.9	5291.5	5309.6	5336.8	5369.9
40°	5644.4	5662.5	5664.0	5674.6	5689.6	5724.3	5746.9	5768.1	5829.9	5869.1	5888.7
42.5°	6360.7	6356.2	6326.0	6345.6	6354.7	6407.4	6424.0	6488.9	6558.2	6641.2	6663.8
45°	7282.1	7221.7	7203.7	7196.1	7244.4	7271.5	7339.4	7460.0	7532.4	7610.8	7648.5
47.5°	8416.1	8227.6	8138.6	8119.0	8168.8	8284.9	8307.5	8426.6	8521.6	8578.9	8616.6
50°	9551.6	9403.8	9216.8	9153.5	9139.9	9247.0	9272.6	9372.1	9468.7	9485.2	9465.6
52.5°	10978.1	10736.9	10427.7	10316.1	10227.2	10234.7	10255.8	10298.0	10359.9	10334.2	10281.5
55°	12802.8	12528.4	12376.0	12164.9	12030.7	12006.6	11914.6	11787.9	11783.4	11800.0	11641.7
57.5°	15841.4	15726.8	15791.6	15769.0	15636.3	15716.2	15301.5	15183.9	15090.4	14927.6	14781.3
60°	19346.0	19463.6	19597.8	19906.9	19893.4	20204.0	19916.0	19843.6	19756.1	19254.0	19008.2
62.5°	21431.5	21478.3	21675.8	21963.8	22247.3	22544.4	22678.6	22725.4	22542.9	22132.7	21620.0
65°	21068.1	21274.7	21466.2	21715.0	22006.1	22303.1	22586.6	22752.5	22710.3	22438.8	21874.9
67.5°	19416.8	19634.0	19914.5	20175.4	20489.0	20746.9	21057.5	21362.1	21371.2	21235.5	20843.4
70°	17007.1	17258.9	17548.4	17694.7	18034.0	18267.8	18525.6	18827.2	18925.2	18941.8	18484.9
72.5°	13826.7	13932.3	14074.0	13997.1	14065.0	14214.3	14144.9	14169.0	13796.6	13865.9	13302.0
75°	8420.6	8324.1	7895.8	7505.3	7028.7	6662.3	6749.7	6050.0	5360.9	5326.2	4828.6
77.5°	4270.6	4116.8	3851.4	3575.4	3171.3	2708.3	2322.3	1906.1	1554.7	1354.2	1162.7
80°	3637.3	3528.7	3382.4	3181.9	2887.8	2545.5	2142.8	1826.2	1532.1	1226.0	981.7
82.5°	3480.4	3148.7	2936.1	2768.7	2450.5	2133.8	1913.6	1696.5	1488.4	1299.9	1030.0
85°	1726.6	1527.6	1292.3	1146.1	882.2	690.7	646.9	532.3	496.1	383.0	322.7
87.5°	580.6	475.0	354.4	298.6	238.3	194.5	191.5	170.4	168.9	153.8	141.8
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: P158284

CATALOG NUMBER: VST-F10-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1
2.5°	2497.2	2500.2	2500.2	2497.2	2498.7	2495.7	2497.2	2498.7	2494.2	2492.7	2488.2
5°	2559.1	2557.5	2557.5	2559.1	2563.6	2565.1	2557.5	2560.6	2562.1	2554.5	2537.9
7.5°	2661.6	2661.6	2666.1	2664.6	2673.7	2670.6	2669.1	2669.1	2669.1	2654.1	2626.9
10°	2800.3	2800.3	2804.9	2810.9	2812.4	2809.4	2809.4	2810.9	2818.4	2788.3	2746.0
12.5°	2955.7	2963.2	2961.7	2961.7	2979.8	2975.3	2969.2	2975.3	2982.8	2940.6	2880.3
15°	3129.1	3133.6	3136.6	3147.2	3144.2	3154.7	3157.7	3154.7	3162.2	3108.0	3006.9
17.5°	3285.9	3295.0	3298.0	3310.0	3310.0	3311.5	3323.6	3319.1	3320.6	3258.8	3114.0
20°	3415.6	3424.6	3429.2	3442.7	3445.8	3451.8	3456.3	3459.3	3466.9	3393.0	3201.5
22.5°	3545.3	3552.8	3560.4	3569.4	3581.5	3589.0	3595.0	3598.1	3611.6	3525.7	3284.4
25°	3690.0	3706.6	3714.2	3729.3	3741.3	3753.4	3762.4	3763.9	3786.6	3679.5	3352.3
27.5°	3883.1	3905.7	3917.8	3941.9	3953.9	3966.0	3963.0	3981.1	4012.8	3855.9	3405.0
30°	4136.4	4165.1	4172.6	4196.7	4216.3	4228.4	4242.0	4257.0	4278.2	4052.0	3430.7
32.5°	4489.3	4533.0	4543.6	4557.1	4585.8	4606.9	4615.9	4640.1	4646.1	4237.4	3423.1
35°	4973.3	4953.7	5005.0	5017.1	5057.8	5074.4	5084.9	5116.6	5092.5	4439.5	3373.4
37.5°	5410.7	5404.6	5454.4	5481.5	5534.3	5522.2	5547.9	5569.0	5483.0	4582.8	3281.4
40°	5944.5	5936.9	6006.3	6015.4	6096.8	6078.7	6089.3	6105.8	5914.3	4682.3	3114.0
42.5°	6689.4	6692.4	6766.3	6775.4	6785.9	6819.1	6764.8	6767.8	6372.8	4709.4	2838.0
45°	7671.1	7723.9	7678.7	7680.2	7677.2	7613.8	7546.0	7466.0	6849.3	4615.9	2482.1
47.5°	8622.7	8586.5	8529.2	8476.4	8432.7	8333.1	8233.6	8097.9	7261.0	4394.3	2085.5
50°	9437.0	9355.6	9304.3	9158.0	9054.0	8924.3	8785.5	8630.2	7598.7	4074.6	1714.6
52.5°	10194.0	10109.5	9918.0	9765.7	9616.4	9444.5	9283.2	9100.7	7897.3	3709.6	1431.1
55°	11451.7	11377.8	11186.2	10907.3	10723.3	10486.5	10273.9	10026.6	8502.0	3414.1	1244.1
57.5°	14378.7	14315.3	13912.7	13736.3	13493.5	12899.3	12811.9	12425.8	10123.1	3379.4	1134.0
60°	18500.0	18228.5	17893.8	17411.2	16842.7	16646.7	16209.4	15695.1	12731.9	3474.4	1045.0
62.5°	21030.4	20412.1	19920.5	19364.1	18840.8	18391.4	17913.4	17405.2	14066.5	3349.2	935.0
65°	21220.4	20493.5	19843.6	19190.6	18602.5	18043.1	17578.6	17070.4	13632.2	2878.7	791.7
67.5°	20173.8	19407.8	18699.0	17958.6	17364.5	16859.3	16268.2	15779.6	12407.7	2240.9	659.0
70°	18015.9	17343.4	16732.6	15934.9	15441.8	14826.5	14451.0	13840.3	10815.3	1527.6	544.4
72.5°	12976.2	12469.5	12270.5	11714.0	11068.6	10706.7	10533.3	9940.6	7992.3	948.5	444.9
75°	4383.7	4508.9	4222.4	3783.5	3997.7	3667.4	3801.6	3519.6	3380.9	544.4	374.0
77.5°	972.7	913.8	844.5	784.2	779.6	732.9	776.6	734.4	785.7	346.8	330.2
80°	767.6	606.2	515.7	470.5	446.4	432.8	422.2	410.2	374.0	295.6	304.6
82.5°	829.4	625.8	458.4	366.4	313.7	294.1	289.5	277.5	274.5	286.5	307.6
85°	265.4	221.7	188.5	177.9	164.4	156.8	153.8	149.3	181.0	312.2	295.6
87.5°	138.7	122.1	108.6	104.1	90.5	84.4	82.9	84.4	126.7	312.2	214.1
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: P158284

CATALOG NUMBER: VST-F10-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1	2482.1
2.5°	2483.7	2482.1	2479.1	2477.6	2476.1	2468.6	2474.6
5°	2530.4	2515.3	2501.8	2485.2	2476.1	2468.6	2468.6
7.5°	2601.3	2559.1	2524.4	2486.7	2461.0	2441.4	2438.4
10°	2690.2	2608.8	2528.9	2461.0	2412.8	2376.6	2372.1
12.5°	2774.7	2651.0	2524.4	2412.8	2337.4	2286.1	2283.1
15°	2853.1	2673.7	2489.7	2325.3	2212.2	2144.4	2136.8
17.5°	2914.9	2660.1	2411.3	2203.2	2049.4	1969.4	1964.9
20°	2928.5	2605.8	2299.7	2052.4	1889.5	1805.1	1785.5
22.5°	2916.4	2507.8	2160.9	1886.5	1699.5	1615.1	1604.5
25°	2880.3	2388.7	1989.0	1693.5	1520.1	1434.1	1413.0
27.5°	2815.4	2248.4	1803.6	1506.5	1334.6	1251.6	1230.5
30°	2718.9	2079.5	1606.0	1331.6	1153.6	1087.3	1066.1
32.5°	2584.7	1874.4	1411.5	1152.1	1004.3	951.5	942.5
35°	2399.2	1639.2	1207.9	1004.3	895.7	864.1	859.6
37.5°	2162.5	1403.9	1037.5	898.8	820.3	800.7	797.7
40°	1853.3	1162.7	916.9	823.4	766.1	749.5	746.5
42.5°	1535.1	981.7	827.9	763.0	716.3	701.2	696.7
45°	1256.2	859.6	761.5	713.3	669.5	653.0	651.5
47.5°	1048.1	788.7	707.2	668.0	624.3	604.7	606.2
50°	895.7	723.8	662.0	628.8	579.1	561.0	562.5
52.5°	791.7	659.0	619.8	582.1	539.9	521.8	521.8
55°	710.3	606.2	579.1	538.4	505.2	488.6	487.1
57.5°	643.9	564.0	539.9	506.7	473.5	453.9	453.9
60°	603.2	533.8	514.2	484.1	444.9	423.7	422.2
62.5°	579.1	524.8	508.2	466.0	422.2	401.1	396.6
65°	561.0	545.9	524.8	455.4	404.1	381.5	377.0
67.5°	562.5	595.7	565.5	461.4	398.1	364.9	358.9
70°	571.5	634.9	594.1	475.0	423.7	357.4	343.8
72.5°	526.3	574.5	535.3	452.4	413.2	343.8	327.2
75°	438.8	419.2	384.5	367.9	371.0	312.2	306.1
77.5°	355.9	312.2	279.0	292.5	312.2	266.9	260.9
80°	309.1	253.3	236.8	259.4	283.5	227.7	212.6
82.5°	289.5	214.1	203.6	269.9	297.1	196.0	171.9
85°	254.8	174.9	159.8	318.2	297.1	147.8	137.2
87.5°	170.4	104.1	99.5	233.7	203.6	102.5	82.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)