

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: P158283

Luminaire Tested: **VST-F10-LED-E-U-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158283
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-SL2-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (70) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20963.2 lumens
Efficiency: N/A
Efficacy: 81.0 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

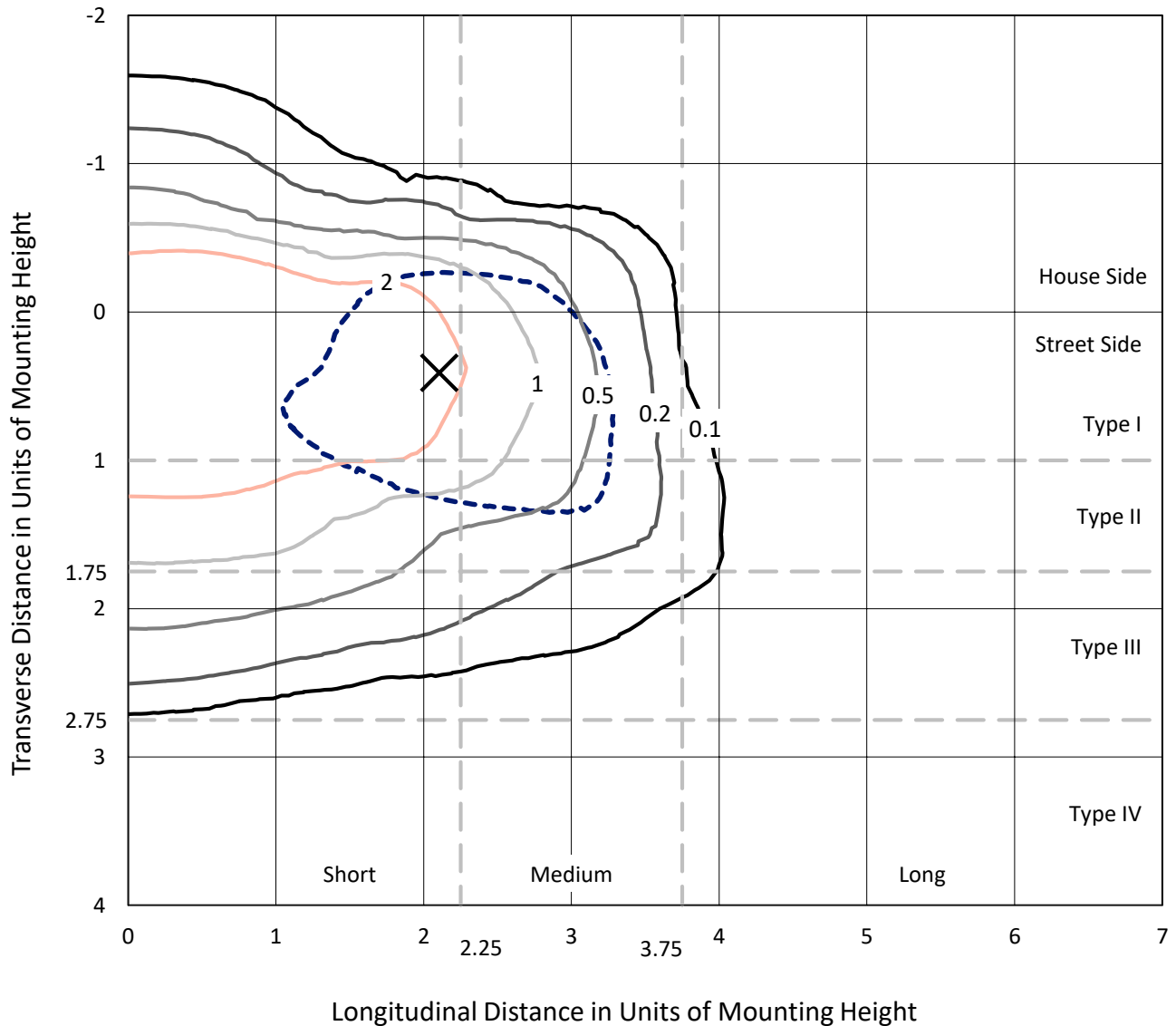
Input Watts (W): 258.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P158283
 CATALOG NUMBER: VST-F10-LED-E-U-SL2-8030

Iso-Footcandle Lines of Horizontal Illumination

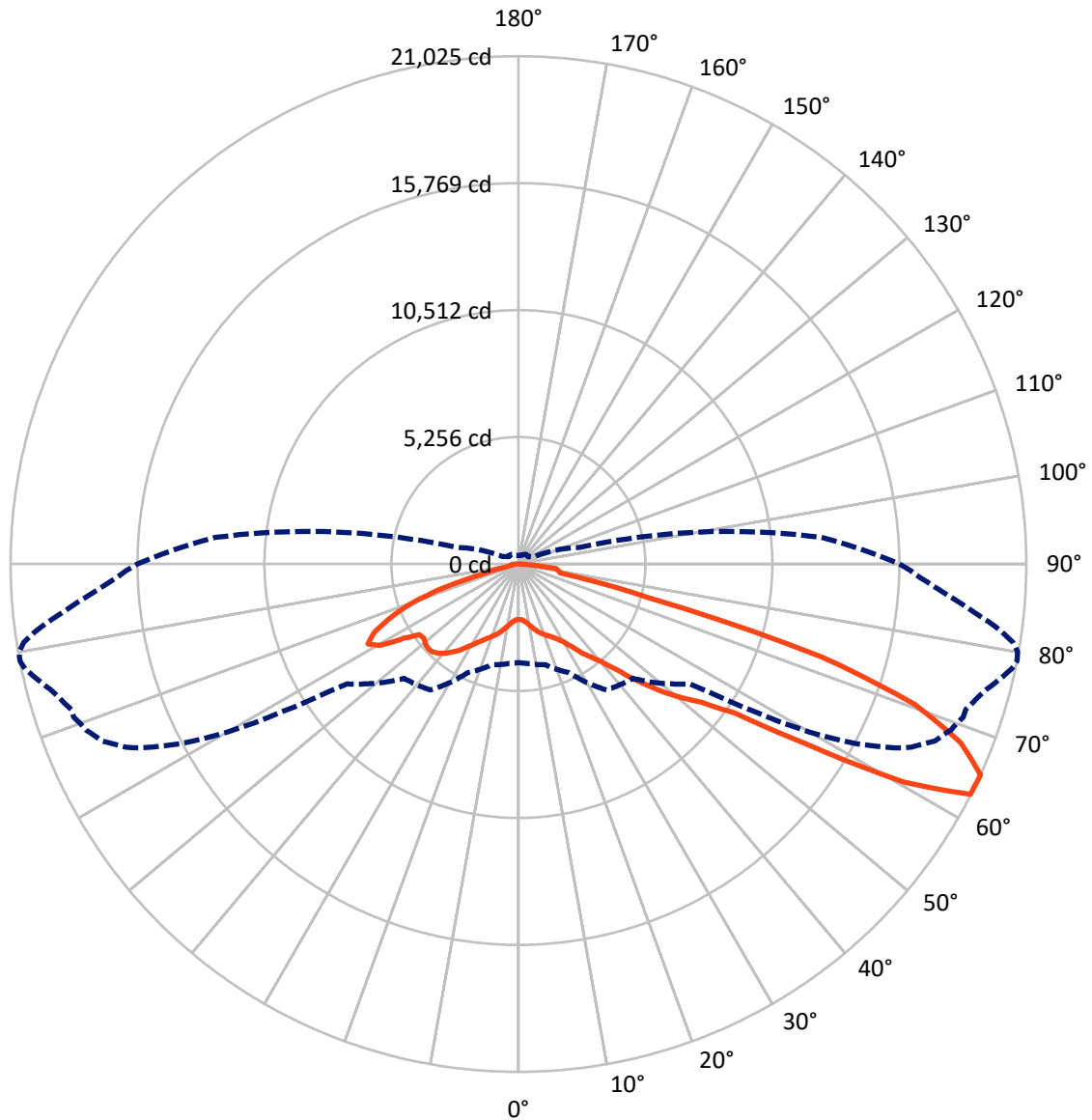
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158283
CATALOG NUMBER: VST-F10-LED-E-U-SL2-8030

Luminous Intensity Polar Plot



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



REPORT NUMBER: P158283

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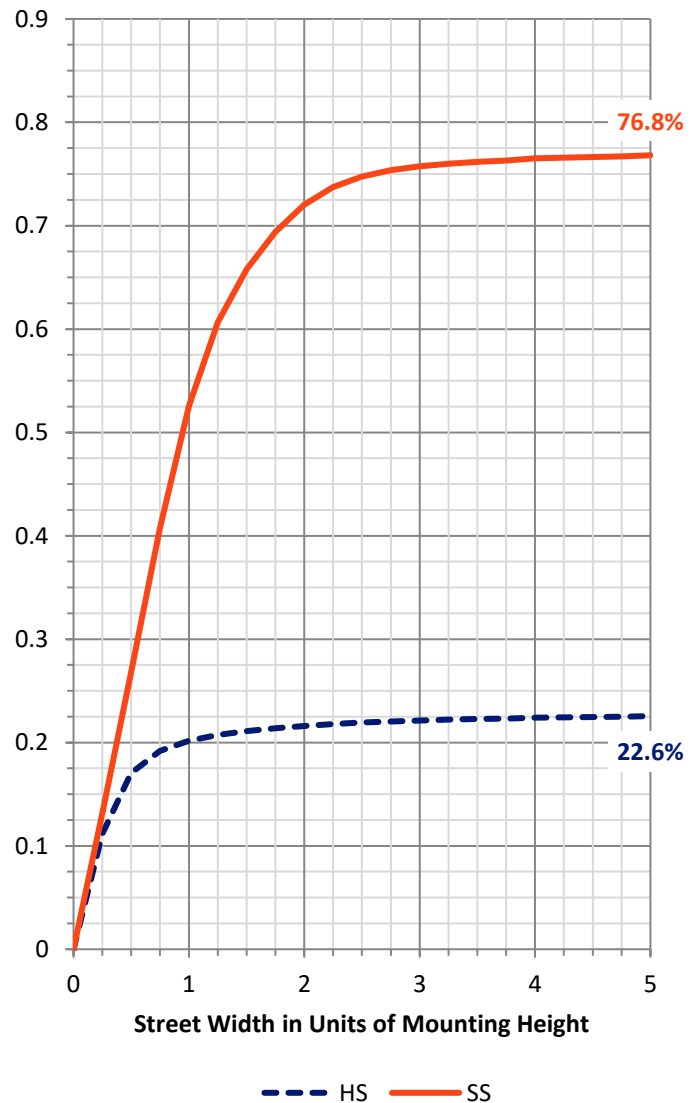
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4817.0	0.0	4817.0
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	16146.2	0.0	16146.2
	% Fixture	77.0	0.0	77.0
Total	Lumens	20963.2	0.0	20963.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.9	1.1
10°-20°	737.0	3.5
20°-30°	1270.5	6.1
30°-40°	2081.2	9.9
40°-50°	3485.2	16.6
50°-60°	4714.2	22.5
60°-70°	5805.6	27.7
70°-80°	2247.3	10.7
80°-90°	395.2	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°	20963.2	100.0
0°-180°	20963.2	100.0



REPORT NUMBER: P158283

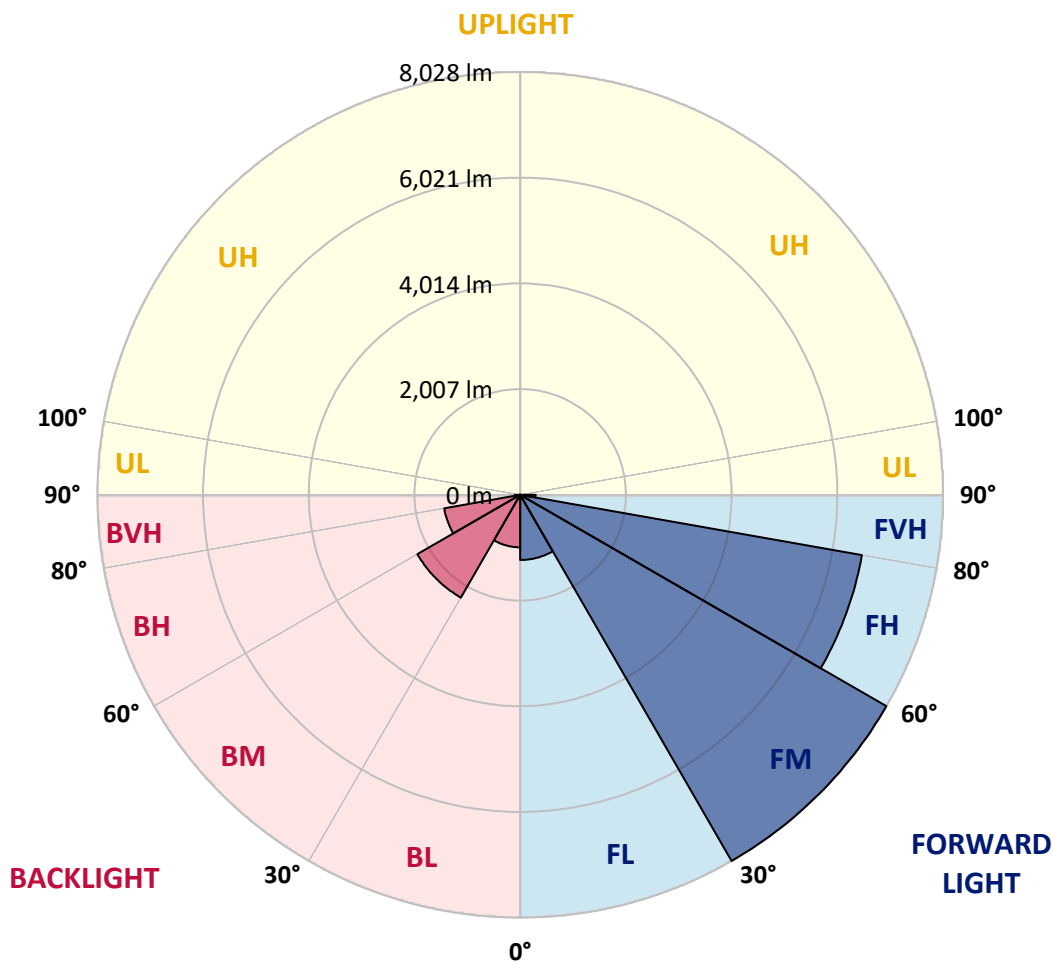
CATALOG NUMBER: VST-F10-LED-E-U-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1237.6	5.9			
FM	(30°-60°)	8028.0	38.3			
FH	(60°-80°)	6587.4	31.4			G3/7500
FVH	(80°-90°)	293.3	1.4			G3/500
BL	(0°-30°)	996.9	4.8	B2/1000		
BM	(30°-60°)	2252.6	10.7	B2/2500		
BH	(60°-80°)	1465.5	7.0	B3/2500		G3/2500
BVH	(80°-90°)	102.0	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: P158283

CATALOG NUMBER: VST-F10-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7
2.5°	2297.8	2290.9	2297.8	2303.4	2307.6	2313.2	2311.8	2310.4	2309.0	2310.4	2310.4
5°	2317.3	2315.9	2322.9	2328.5	2338.2	2345.2	2353.6	2353.6	2353.6	2352.2	2355.0
7.5°	2380.0	2378.7	2385.6	2391.2	2399.6	2413.5	2424.6	2430.2	2428.8	2428.8	2428.8
10°	2483.2	2477.6	2477.6	2477.6	2488.7	2498.5	2523.6	2526.4	2531.9	2529.2	2530.5
12.5°	2583.5	2584.9	2580.7	2576.5	2577.9	2597.4	2633.7	2640.6	2642.0	2646.2	2649.0
15°	2674.1	2672.7	2662.9	2653.2	2665.7	2699.2	2746.5	2759.1	2759.1	2767.4	2773.0
17.5°	2757.7	2754.9	2736.8	2720.1	2732.6	2789.7	2863.6	2871.9	2884.5	2888.7	2894.2
20°	2856.6	2851.0	2830.1	2785.5	2785.5	2863.6	2961.1	2969.5	2980.6	2983.4	2993.2
22.5°	2994.6	2980.6	2936.0	2855.2	2832.9	2923.5	3043.3	3047.5	3055.9	3067.0	3075.4
25°	3150.6	3153.4	3081.0	2940.2	2891.5	2986.2	3122.8	3129.7	3145.1	3153.4	3163.2
27.5°	3312.3	3316.5	3235.6	3060.1	2977.8	3072.6	3230.1	3238.4	3256.5	3266.3	3281.6
30°	3496.2	3501.8	3423.8	3246.8	3121.4	3199.4	3388.9	3411.2	3426.5	3439.1	3464.2
32.5°	3937.9	3904.5	3850.2	3662.0	3464.2	3458.6	3645.3	3670.4	3691.3	3717.8	3741.5
35°	4493.9	4514.8	4542.7	4415.9	4241.7	4114.9	4130.2	4116.3	4135.8	4174.8	4198.5
37.5°	4934.3	4980.3	5101.5	5183.7	5176.7	5151.7	4917.6	4917.6	4930.1	4909.2	4906.4
40°	5279.9	5309.1	5557.2	5876.3	6145.2	6277.6	6092.3	6065.8	6079.7	5972.4	5976.6
42.5°	5458.2	5501.4	5858.2	6418.3	6952.0	7377.0	7319.9	7301.8	7260.0	7233.5	7216.8
45°	5548.8	5600.4	6025.4	6794.6	7572.1	8228.4	8523.9	8521.1	8483.5	8452.8	8438.9
47.5°	5502.8	5547.4	6000.3	6908.8	7898.2	8777.5	9431.0	9471.4	9460.3	9504.9	9523.0
50°	5201.8	5259.0	5713.2	6662.2	7761.6	8993.5	10059.5	10134.7	10236.4	10300.5	10385.5
52.5°	4930.1	4977.5	5387.2	6262.3	7312.9	8817.9	10438.5	10593.2	10732.5	10863.5	10965.2
55°	4645.8	4693.2	5052.7	5847.0	6860.1	8299.5	10611.3	10837.0	11054.4	11276.0	11479.4
57.5°	4538.5	4588.7	4856.2	5525.1	6489.4	7785.3	10696.3	11066.9	11420.9	11797.1	12187.3
60°	4817.2	4861.8	5065.3	5533.5	6206.5	7271.1	10524.9	11107.4	11716.3	12336.4	12935.6
62.5°	4732.2	4755.9	5009.5	5735.5	6567.4	6763.9	9782.2	10551.4	11436.2	12344.8	13263.1
65°	4082.9	4128.9	4319.8	4958.0	6365.4	6695.6	8650.7	9424.0	10467.8	11542.1	12772.6
67.5°	2929.1	2865.0	3012.7	3571.5	4938.5	6684.5	7377.0	7949.8	8767.7	9591.3	10600.1
70°	1330.8	1300.1	1415.8	1857.5	2979.2	5282.6	6237.2	6430.9	6734.6	7289.2	7970.7
72.5°	525.3	523.9	599.2	767.8	1408.8	3400.1	5245.0	5356.5	5463.8	5704.9	5998.9
75°	344.2	344.2	366.5	413.9	693.9	1641.5	4436.8	4538.5	4703.0	4771.2	4896.7
77.5°	259.2	260.6	270.3	281.5	383.2	864.0	3131.1	3492.0	3770.7	3978.4	4130.2
80°	183.9	192.3	210.4	217.4	249.4	491.9	1769.7	2030.3	2345.2	2681.0	3103.3
82.5°	138.0	147.7	178.4	186.7	197.9	280.1	798.5	905.8	1057.6	1371.2	1971.8
85°	64.1	71.1	122.6	133.8	143.5	161.6	405.5	452.9	514.2	563.0	656.3
87.5°	9.8	7.0	20.9	29.3	46.0	47.4	139.3	165.8	179.8	216.0	224.3
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: P158283

CATALOG NUMBER: VST-F10-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7
2.5°	2310.4	2311.8	2313.2	2310.4	2311.8	2311.8	2309.0	2307.6	2307.6	2307.6	2309.0
5°	2355.0	2357.8	2355.0	2356.4	2361.9	2360.5	2357.8	2356.4	2361.9	2363.3	2359.1
7.5°	2434.4	2435.8	2430.2	2437.2	2440.0	2441.4	2441.4	2444.1	2444.1	2448.3	2444.1
10°	2536.1	2536.1	2545.9	2544.5	2545.9	2548.7	2550.1	2555.6	2559.8	2559.8	2562.6
12.5°	2653.2	2654.6	2664.3	2665.7	2671.3	2672.7	2681.0	2675.5	2689.4	2689.4	2693.6
15°	2774.4	2784.2	2785.5	2799.5	2802.3	2803.7	2814.8	2814.8	2824.6	2826.0	2828.7
17.5°	2894.2	2902.6	2908.2	2919.3	2929.1	2933.3	2937.4	2945.8	2952.8	2955.6	2962.5
20°	2997.4	3005.7	3011.3	3022.4	3030.8	3037.8	3041.9	3051.7	3058.7	3061.5	3071.2
22.5°	3083.8	3089.3	3099.1	3114.4	3117.2	3125.6	3138.1	3145.1	3147.9	3156.2	3167.4
25°	3175.7	3184.1	3189.7	3203.6	3214.7	3228.7	3239.8	3251.0	3253.8	3264.9	3274.7
27.5°	3298.3	3306.7	3308.1	3336.0	3347.1	3366.6	3379.2	3395.9	3404.2	3414.0	3433.5
30°	3479.5	3499.0	3507.4	3539.4	3545.0	3567.3	3589.6	3595.2	3607.7	3609.1	3641.1
32.5°	3756.8	3784.7	3795.8	3829.3	3837.6	3858.5	3871.1	3900.3	3901.7	3915.7	3922.6
35°	4211.1	4204.1	4247.3	4255.7	4280.7	4298.9	4311.4	4311.4	4337.9	4339.3	4347.6
37.5°	4831.2	4817.2	4828.4	4778.2	4790.8	4768.5	4764.3	4769.9	4758.7	4761.5	4760.1
40°	5823.3	5760.6	5695.1	5540.4	5507.0	5442.9	5392.7	5352.3	5313.3	5271.5	5243.6
42.5°	7067.7	6977.1	6879.6	6631.5	6515.9	6391.9	6270.6	6200.9	6061.6	5976.6	5930.6
45°	8372.0	8266.1	8129.5	7923.3	7758.8	7626.5	7404.9	7300.4	7084.4	6977.1	6832.2
47.5°	9440.8	9442.2	9332.1	9123.1	8947.5	8859.7	8721.7	8519.7	8274.4	8136.5	7878.7
50°	10375.8	10374.4	10367.4	10242.0	10119.4	10023.2	9902.0	9719.5	9518.8	9362.7	9067.3
52.5°	11066.9	11158.9	11197.9	11196.5	11181.2	11136.6	11044.7	10887.2	10683.7	10596.0	10360.5
55°	11638.3	11838.9	11943.4	12172.0	12192.9	12266.7	12185.9	12187.3	12067.5	12075.8	12000.6
57.5°	12503.6	12870.1	13080.5	13586.3	13840.0	14146.5	14092.2	14348.6	14441.9	14560.4	14717.8
60°	13486.0	14170.2	14669.1	15675.2	16084.8	16580.9	16854.0	17145.3	17357.1	17574.5	17734.7
62.5°	14188.3	15087.1	15906.5	17340.4	17872.7	18395.2	18739.4	19091.9	19330.2	19486.3	19602.0
65°	13901.3	14894.8	15863.3	17366.8	17946.5	18325.5	18735.2	18938.7	19176.9	19306.5	19472.4
67.5°	11812.5	12808.8	13846.9	15620.8	16227.0	16750.9	17070.0	17333.4	17525.7	17690.1	17881.0
70°	8784.4	9874.1	10947.1	12892.4	13657.4	14414.1	14790.3	15116.4	15317.0	15482.9	15693.3
72.5°	6322.2	7005.0	7675.2	9853.2	10618.2	11596.5	11986.6	12348.9	12609.5	12601.2	12824.1
75°	5033.2	5310.5	5608.7	6733.3	7282.3	8107.2	8326.0	8529.4	8406.8	8171.3	8157.4
77.5°	4190.2	4304.4	4404.8	4757.3	4838.1	5034.6	4925.9	4813.0	4449.4	4142.8	3981.1
80°	3401.5	3627.2	3774.9	4025.7	4128.9	4187.4	4202.7	4163.7	4029.9	3844.6	3549.2
82.5°	2529.2	2958.3	3251.0	3744.3	3925.4	3963.0	4035.5	3990.9	3903.1	3752.6	3540.8
85°	741.3	838.9	961.5	1304.3	1528.6	1719.5	1914.6	2010.8	2070.7	1987.1	1768.3
87.5°	260.6	294.0	328.9	452.9	482.1	582.5	571.3	674.4	678.6	707.9	677.2
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°	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7
2.5°	2307.6	2307.6	2307.6	2309.0	2309.0	2309.0	2306.2	2304.8	2306.2	2309.0	2309.0
5°	2361.9	2363.3	2366.1	2360.5	2361.9	2366.1	2363.3	2361.9	2363.3	2366.1	2363.3
7.5°	2449.7	2451.1	2448.3	2453.9	2453.9	2456.7	2460.9	2456.7	2458.1	2459.5	2460.9
10°	2564.0	2565.4	2568.2	2572.3	2573.7	2576.5	2579.3	2583.5	2583.5	2580.7	2587.7
12.5°	2700.5	2699.2	2701.9	2707.5	2710.3	2714.5	2722.8	2722.8	2728.4	2727.0	2734.0
15°	2834.3	2841.3	2842.7	2852.4	2856.6	2863.6	2873.3	2878.9	2878.9	2887.3	2890.1
17.5°	2968.1	2973.7	2979.2	2987.6	2993.2	2997.4	3008.5	3015.5	3014.1	3029.4	3029.4
20°	3071.2	3082.4	3089.3	3094.9	3104.7	3111.6	3120.0	3128.3	3133.9	3143.7	3146.5
22.5°	3171.5	3178.5	3188.3	3195.2	3206.4	3214.7	3224.5	3231.5	3241.2	3253.8	3257.9
25°	3283.0	3294.2	3305.3	3315.1	3323.4	3333.2	3349.9	3365.2	3379.2	3390.3	3394.5
27.5°	3437.7	3450.2	3467.0	3473.9	3486.5	3494.8	3519.9	3539.4	3546.4	3565.9	3571.5
30°	3646.7	3660.6	3677.4	3685.7	3708.0	3719.2	3745.7	3766.6	3773.5	3797.2	3801.4
32.5°	3949.1	3957.5	3990.9	3989.5	4020.2	4052.2	4067.5	4084.3	4114.9	4127.5	4131.6
35°	4368.5	4388.0	4411.7	4410.3	4449.4	4467.5	4498.1	4516.2	4538.5	4537.1	4560.8
37.5°	4774.0	4781.0	4789.4	4807.5	4835.3	4860.4	4871.6	4889.7	4906.4	4931.5	4962.2
40°	5215.8	5232.5	5233.9	5243.6	5257.6	5289.6	5310.5	5330.0	5387.2	5423.4	5441.5
42.5°	5877.7	5873.5	5845.6	5863.7	5872.1	5920.9	5936.2	5996.1	6060.2	6136.8	6157.7
45°	6729.1	6673.3	6656.6	6649.6	6694.2	6719.3	6782.0	6893.5	6960.4	7032.8	7067.7
47.5°	7777.0	7602.8	7520.6	7502.4	7548.4	7655.7	7676.6	7786.7	7874.5	7927.5	7962.3
50°	8826.2	8689.7	8516.9	8458.4	8445.8	8544.8	8568.5	8660.4	8749.6	8764.9	8746.8
52.5°	10144.5	9921.5	9635.9	9532.7	9450.5	9457.5	9477.0	9516.0	9573.1	9549.5	9500.7
55°	11830.6	11577.0	11436.2	11241.1	11117.1	11094.8	11009.8	10892.8	10888.6	10903.9	10757.6
57.5°	14638.4	14532.5	14592.4	14571.5	14448.9	14522.8	14139.6	14030.9	13944.5	13794.0	13658.8
60°	17876.8	17985.5	18109.6	18395.2	18382.7	18669.7	18403.6	18336.7	18255.9	17791.8	17564.7
62.5°	19804.0	19847.2	20029.8	20295.9	20557.9	20832.4	20956.4	20999.6	20831.0	20452.0	19978.2
65°	19468.2	19659.1	19836.1	20066.0	20334.9	20609.4	20871.4	21024.7	20985.7	20734.8	20213.7
67.5°	17942.3	18143.0	18402.2	18643.2	18933.1	19171.4	19458.4	19739.9	19748.3	19622.9	19260.6
70°	15715.6	15948.3	16215.8	16351.0	16664.5	16880.5	17118.8	17397.5	17488.1	17503.4	17081.2
72.5°	12776.7	12874.3	13005.3	12934.2	12996.9	13134.9	13070.8	13093.1	12748.9	12813.0	12291.8
75°	7781.1	7692.0	7296.2	6935.3	6495.0	6156.4	6237.2	5590.6	4953.8	4921.7	4461.9
77.5°	3946.3	3804.2	3558.9	3303.9	2930.5	2502.7	2145.9	1761.3	1436.7	1251.3	1074.4
80°	3361.1	3260.7	3125.6	2940.2	2668.5	2352.2	1980.1	1687.5	1415.8	1132.9	907.1
82.5°	3216.1	2909.6	2713.1	2558.4	2264.4	1971.8	1768.3	1567.7	1375.4	1201.2	951.7
85°	1595.5	1411.6	1194.2	1059.0	815.2	638.2	597.8	491.9	458.5	353.9	298.2
87.5°	536.5	438.9	327.5	275.9	220.2	179.8	177.0	157.5	156.1	142.1	131.0
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: P158283

CATALOG NUMBER: VST-F10-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7
2.5°	2307.6	2310.4	2310.4	2307.6	2309.0	2306.2	2307.6	2309.0	2304.8	2303.4	2299.2
5°	2364.7	2363.3	2363.3	2364.7	2368.9	2370.3	2363.3	2366.1	2367.5	2360.5	2345.2
7.5°	2459.5	2459.5	2463.7	2462.3	2470.6	2467.8	2466.4	2466.4	2466.4	2452.5	2427.4
10°	2587.7	2587.7	2591.9	2597.4	2598.8	2596.0	2596.0	2597.4	2604.4	2576.5	2537.5
12.5°	2731.2	2738.2	2736.8	2736.8	2753.5	2749.3	2743.7	2749.3	2756.3	2717.3	2661.5
15°	2891.5	2895.6	2898.4	2908.2	2905.4	2915.1	2917.9	2915.1	2922.1	2871.9	2778.6
17.5°	3036.4	3044.7	3047.5	3058.7	3058.7	3060.1	3071.2	3067.0	3068.4	3011.3	2877.5
20°	3156.2	3164.6	3168.8	3181.3	3184.1	3189.7	3193.8	3196.6	3203.6	3135.3	2958.3
22.5°	3276.1	3283.0	3290.0	3298.3	3309.5	3316.5	3322.0	3324.8	3337.4	3257.9	3035.0
25°	3409.8	3425.2	3432.1	3446.1	3457.2	3468.3	3476.7	3478.1	3499.0	3400.1	3097.7
27.5°	3588.2	3609.1	3620.2	3642.5	3653.7	3664.8	3662.0	3678.8	3708.0	3563.1	3146.5
30°	3822.3	3848.8	3855.7	3878.0	3896.1	3907.3	3919.8	3933.8	3953.3	3744.3	3170.1
32.5°	4148.4	4188.8	4198.5	4211.1	4237.5	4257.1	4265.4	4287.7	4293.3	3915.7	3163.2
35°	4595.7	4577.6	4624.9	4636.1	4673.7	4689.0	4698.8	4728.0	4705.8	4102.4	3117.2
37.5°	4999.8	4994.2	5040.2	5065.3	5114.0	5102.9	5126.6	5146.1	5066.7	4234.8	3032.2
40°	5493.1	5486.1	5550.2	5558.6	5633.8	5617.1	5626.8	5642.2	5465.2	4326.7	2877.5
42.5°	6181.4	6184.2	6252.5	6260.9	6270.6	6301.3	6251.1	6253.9	5888.8	4351.8	2622.5
45°	7088.6	7137.4	7095.6	7096.9	7094.2	7035.6	6972.9	6899.1	6329.1	4265.4	2293.7
47.5°	7967.9	7934.4	7881.5	7832.7	7792.3	7700.3	7608.4	7482.9	6709.6	4060.6	1927.2
50°	8720.3	8645.1	8597.7	8462.5	8366.4	8246.6	8118.4	7974.8	7021.7	3765.2	1584.4
52.5°	9419.9	9341.8	9164.9	9024.1	8886.2	8727.3	8578.2	8409.6	7297.6	3427.9	1322.4
55°	10582.0	10513.7	10336.8	10079.0	9909.0	9690.2	9493.7	9265.2	7856.4	3154.8	1149.6
57.5°	13286.7	13228.2	12856.2	12693.1	12468.8	11919.8	11838.9	11482.2	9354.4	3122.8	1047.9
60°	17095.1	16844.3	16534.9	16089.0	15563.7	15382.5	14978.4	14503.2	11765.1	3210.6	965.7
62.5°	19433.3	18862.0	18407.8	17893.6	17410.0	16994.8	16553.0	16083.4	12998.3	3094.9	864.0
65°	19608.9	18937.3	18336.7	17733.3	17189.9	16672.9	16243.7	15774.1	12597.0	2660.1	731.6
67.5°	18641.9	17934.0	17279.0	16594.8	16045.8	15579.0	15032.8	14581.3	11465.5	2070.7	608.9
70°	16647.8	16026.3	15462.0	14724.8	14269.1	13700.6	13353.6	12789.3	9994.0	1411.6	503.0
72.5°	11990.8	11522.6	11338.7	10824.5	10228.1	9893.6	9733.4	9185.8	7385.4	876.5	411.1
75°	4050.8	4166.5	3901.7	3496.2	3694.1	3388.9	3512.9	3252.4	3124.2	503.0	345.6
77.5°	898.8	844.4	780.3	724.6	720.4	677.2	717.6	678.6	726.0	320.5	305.2
80°	709.3	560.2	476.6	434.8	412.5	399.9	390.2	379.0	345.6	273.1	281.5
82.5°	766.4	578.3	423.6	338.6	289.8	271.7	267.5	256.4	253.6	264.8	284.3
85°	245.3	204.8	174.2	164.4	151.9	144.9	142.1	138.0	167.2	288.4	273.1
87.5°	128.2	112.9	100.3	96.1	83.6	78.0	76.6	78.0	117.1	288.4	197.9
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: P158283

CATALOG NUMBER: VST-F10-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7	2293.7
2.5°	2295.0	2293.7	2290.9	2289.5	2288.1	2281.1	2286.7
5°	2338.2	2324.3	2311.8	2296.4	2288.1	2281.1	2281.1
7.5°	2403.7	2364.7	2332.7	2297.8	2274.1	2256.0	2253.2
10°	2486.0	2410.7	2336.9	2274.1	2229.6	2196.1	2191.9
12.5°	2564.0	2449.7	2332.7	2229.6	2159.9	2112.5	2109.7
15°	2636.4	2470.6	2300.6	2148.7	2044.2	1981.5	1974.5
17.5°	2693.6	2458.1	2228.2	2035.9	1893.7	1819.9	1815.7
20°	2706.1	2407.9	2125.0	1896.5	1746.0	1668.0	1649.9
22.5°	2695.0	2317.3	1996.8	1743.2	1570.4	1492.4	1482.7
25°	2661.5	2207.3	1838.0	1564.9	1404.6	1325.2	1305.7
27.5°	2601.6	2077.7	1666.6	1392.1	1233.2	1156.6	1137.1
30°	2512.4	1921.6	1484.0	1230.4	1066.0	1004.7	985.2
32.5°	2388.4	1732.1	1304.3	1064.6	928.1	879.3	870.9
35°	2217.0	1514.7	1116.2	928.1	827.7	798.5	794.3
37.5°	1998.2	1297.3	958.7	830.5	758.0	739.9	737.1
40°	1712.6	1074.4	847.2	760.8	707.9	692.6	689.8
42.5°	1418.6	907.1	765.0	705.1	661.9	648.0	643.8
45°	1160.8	794.3	703.7	659.1	618.7	603.4	602.0
47.5°	968.5	728.8	653.5	617.3	576.9	558.8	560.2
50°	827.7	668.9	611.7	581.1	535.1	518.4	519.8
52.5°	731.6	608.9	572.7	537.9	498.9	482.1	482.1
55°	656.3	560.2	535.1	497.5	466.8	451.5	450.1
57.5°	595.0	521.2	498.9	468.2	437.5	419.4	419.4
60°	557.4	493.3	475.2	447.3	411.1	391.6	390.2
62.5°	535.1	484.9	469.6	430.6	390.2	370.7	366.5
65°	518.4	504.4	484.9	420.8	373.5	352.5	348.4
67.5°	519.8	550.4	522.6	426.4	367.9	337.2	331.6
70°	528.1	586.7	549.0	438.9	391.6	330.3	317.7
72.5°	486.3	530.9	494.7	418.0	381.8	317.7	302.4
75°	405.5	387.4	355.3	340.0	342.8	288.4	282.9
77.5°	328.9	288.4	257.8	270.3	288.4	246.6	241.1
80°	285.7	234.1	218.8	239.7	262.0	210.4	196.5
82.5°	267.5	197.9	188.1	249.4	274.5	181.2	158.9
85°	235.5	161.6	147.7	294.0	274.5	136.6	126.8
87.5°	157.5	96.1	92.0	216.0	188.1	94.8	76.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)