

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: P158270

Luminaire Tested: **VST-E09-LED-E-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158270
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-E09-LED-E-U-SL2
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (189) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27078.9 lumens
Efficiency: N/A
Efficacy: 120.0 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 - G4

Input Watts (W): 225.7
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

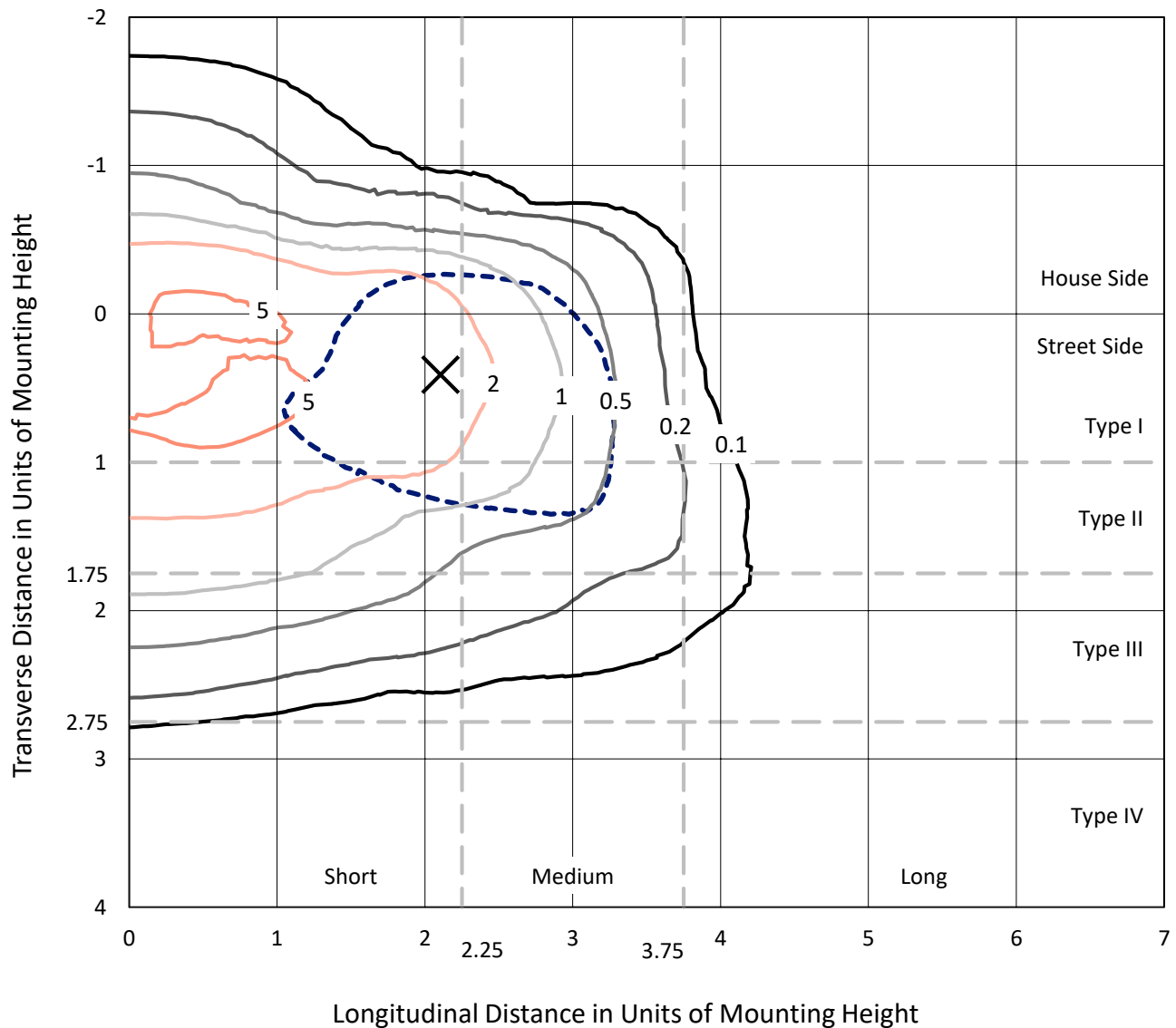


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

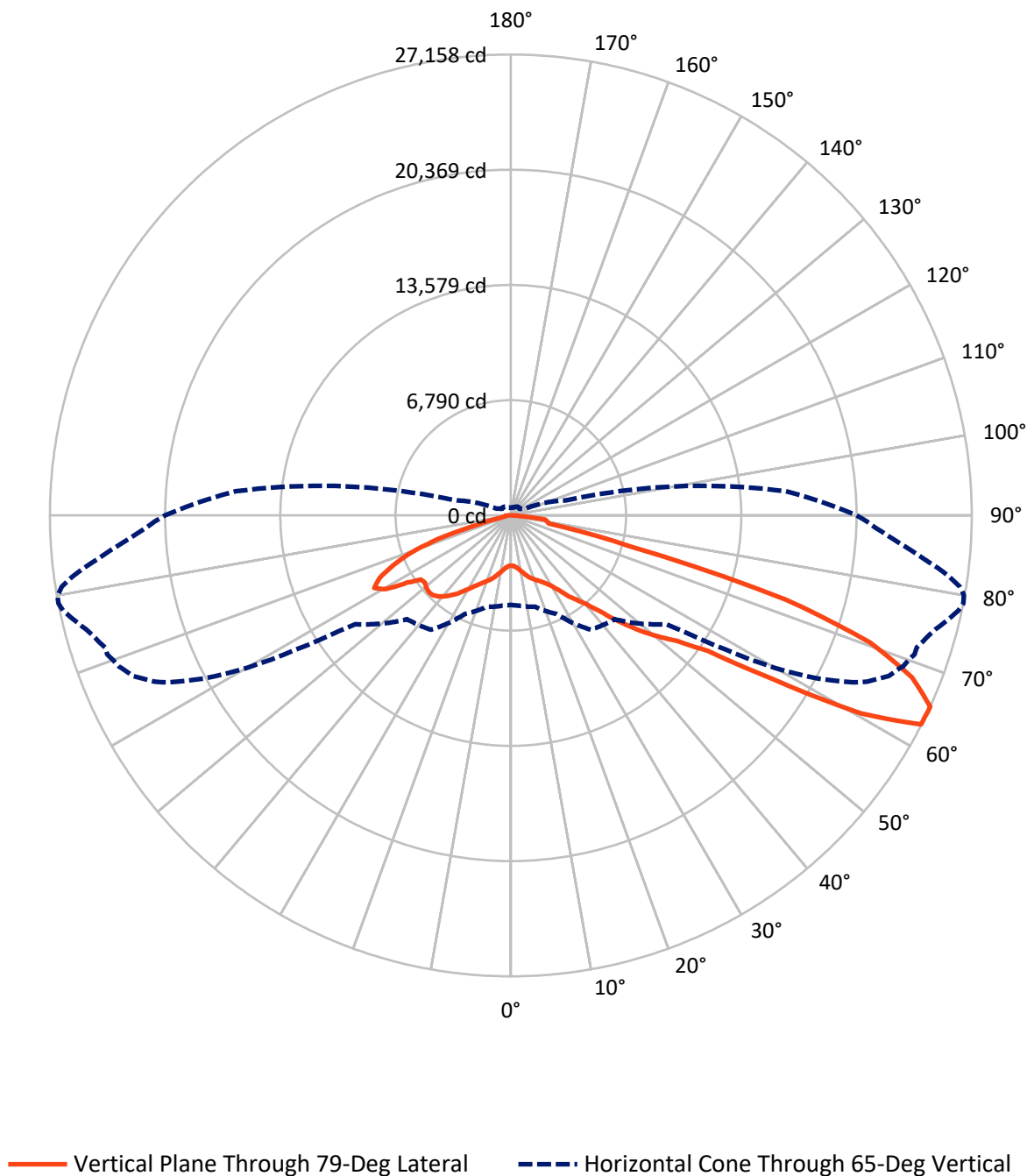


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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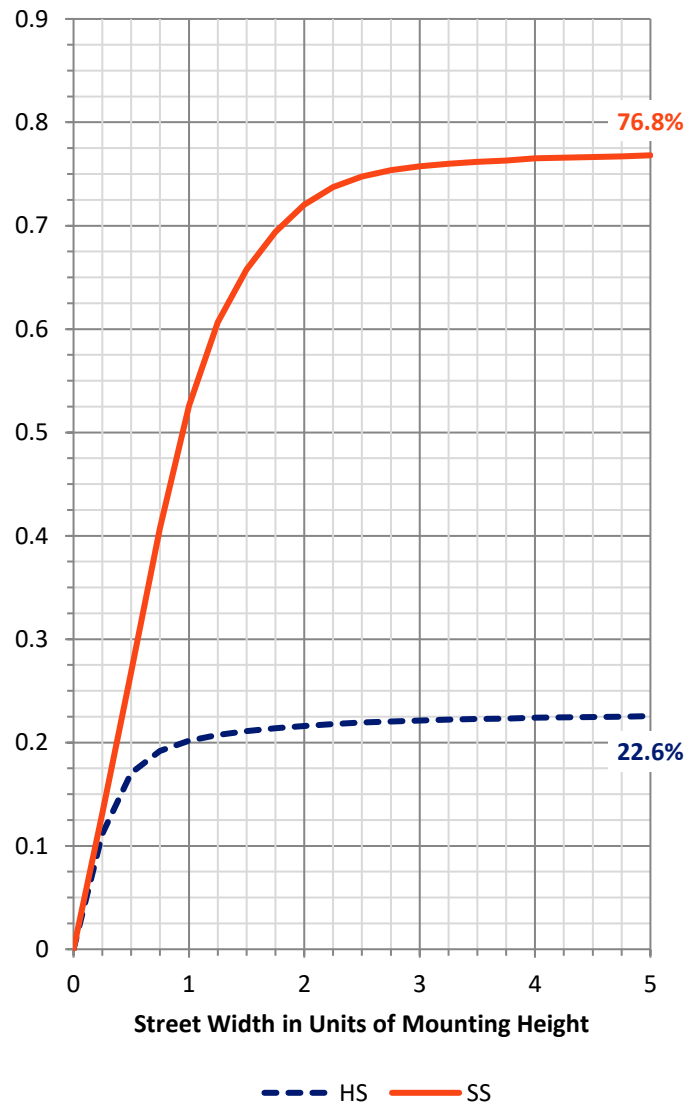
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6222.2	0.0	6222.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	20856.7	0.0	20856.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	27078.9	0.0	27078.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.1	1.1
10°-20°	952.0	3.5
20°-30°	1641.2	6.1
30°-40°	2688.3	9.9
40°-50°	4502.0	16.6
50°-60°	6089.6	22.5
60°-70°	7499.3	27.7
70°-80°	2902.9	10.7
80°-90°	510.5	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°	27078.9	100.0
0°-180°	27078.9	100.0

Coefficient of Utilization



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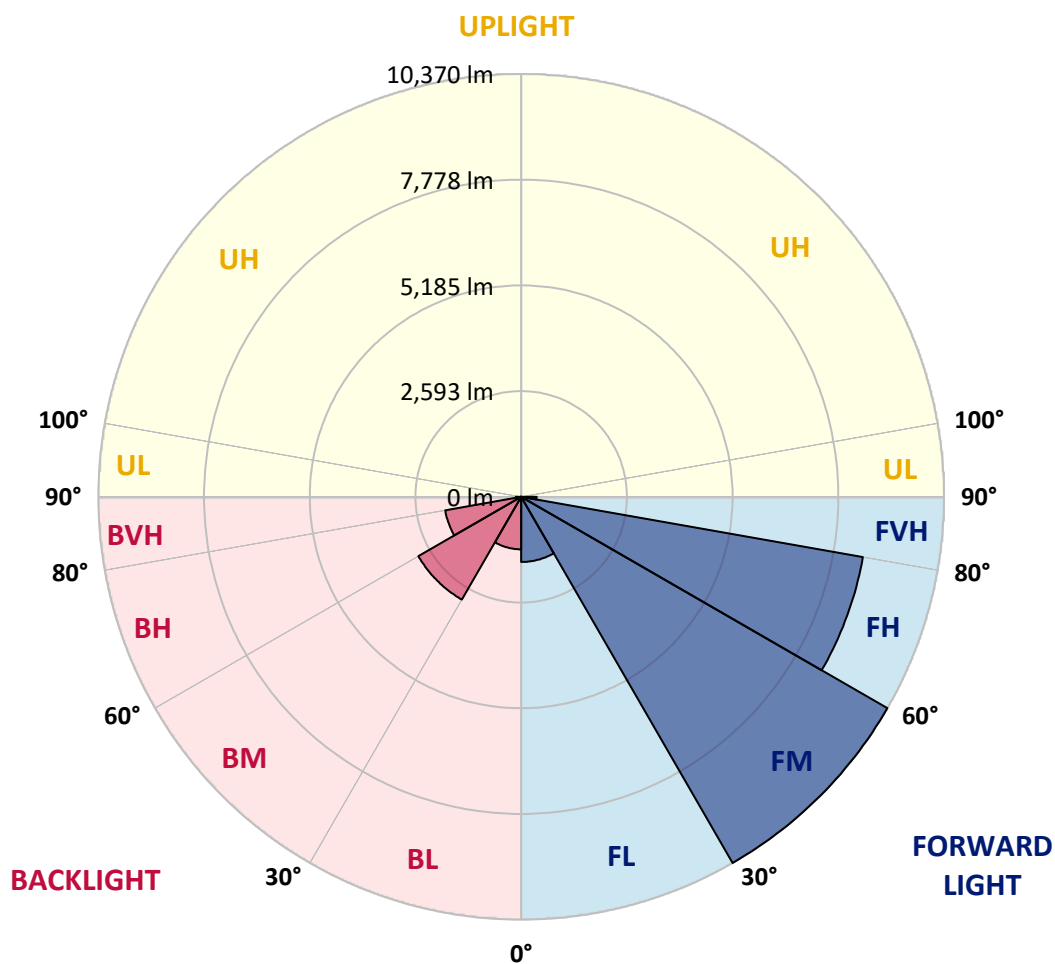
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1598.7	5.9			
FM	(30°-60°)	10370.0	38.3			
FH	(60°-80°)	8509.1	31.4			G4/12000
FVH	(80°-90°)	378.8	1.4			G3/500
BL	(0°-30°)	1287.7	4.8	B3/2500		
BM	(30°-60°)	2909.8	10.7	B3/5000		
BH	(60°-80°)	1893.0	7.0	B3/2500		G3/2500
BVH	(80°-90°)	131.7	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-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8
2.5°	2968.2	2959.2	2968.2	2975.4	2980.8	2988.0	2986.2	2984.4	2982.6	2984.4	2984.4
5°	2993.4	2991.6	3000.6	3007.8	3020.4	3029.4	3040.2	3040.2	3040.2	3038.4	3042.0
7.5°	3074.4	3072.6	3081.6	3088.8	3099.6	3117.6	3132.0	3139.2	3137.4	3137.4	3137.4
10°	3207.6	3200.4	3200.4	3200.4	3214.8	3227.4	3259.8	3263.4	3270.6	3267.0	3268.8
12.5°	3337.2	3339.0	3333.6	3328.2	3330.0	3355.2	3402.0	3411.0	3412.8	3418.2	3421.8
15°	3454.2	3452.4	3439.8	3427.2	3443.4	3486.6	3547.8	3564.0	3564.0	3574.8	3582.0
17.5°	3562.2	3558.6	3535.2	3513.6	3529.8	3603.6	3699.0	3709.8	3726.0	3731.4	3738.6
20°	3690.0	3682.8	3655.8	3598.2	3598.2	3699.0	3825.0	3835.8	3850.2	3853.8	3866.4
22.5°	3868.2	3850.2	3792.6	3688.2	3659.4	3776.4	3931.2	3936.6	3947.4	3961.8	3972.6
25°	4069.8	4073.4	3979.8	3798.0	3735.0	3857.4	4033.8	4042.8	4062.6	4073.4	4086.0
27.5°	4278.6	4284.0	4179.6	3952.8	3846.6	3969.0	4172.4	4183.2	4206.6	4219.2	4239.0
30°	4516.2	4523.4	4422.6	4194.0	4032.0	4132.8	4377.6	4406.4	4426.2	4442.4	4474.8
32.5°	5086.8	5043.6	4973.4	4730.4	4474.8	4467.6	4708.8	4741.2	4768.2	4802.4	4833.0
35°	5805.0	5832.0	5868.0	5704.2	5479.2	5315.4	5335.2	5317.2	5342.4	5392.8	5423.4
37.5°	6373.8	6433.2	6589.8	6696.0	6687.0	6654.6	6352.2	6352.2	6368.4	6341.4	6337.8
40°	6820.2	6858.0	7178.4	7590.6	7938.0	8109.0	7869.6	7835.4	7853.4	7714.8	7720.2
42.5°	7050.6	7106.4	7567.2	8290.8	8980.2	9529.2	9455.4	9432.0	9378.0	9343.8	9322.2
45°	7167.6	7234.2	7783.2	8776.8	9781.2	10629.0	11010.6	11007.0	10958.4	10918.8	10900.8
47.5°	7108.2	7165.8	7750.8	8924.4	10202.4	11338.2	12182.4	12234.6	12220.2	12277.8	12301.2
50°	6719.4	6793.2	7380.0	8605.8	10026.0	11617.2	12994.2	13091.4	13222.8	13305.6	13415.4
52.5°	6368.4	6429.6	6958.8	8089.2	9446.4	11390.4	13483.8	13683.6	13863.6	14032.8	14164.2
55°	6001.2	6062.4	6526.8	7552.8	8861.4	10720.8	13707.0	13998.6	14279.4	14565.6	14828.4
57.5°	5862.6	5927.4	6273.0	7137.0	8382.6	10056.6	13816.8	14295.6	14752.8	15238.8	15742.8
60°	6222.6	6280.2	6543.0	7147.8	8017.2	9392.4	13595.4	14347.8	15134.4	15935.4	16709.4
62.5°	6112.8	6143.4	6471.0	7408.8	8483.4	8737.2	12636.0	13629.6	14772.6	15946.2	17132.4
65°	5274.0	5333.4	5580.0	6404.4	8222.4	8649.0	11174.4	12173.4	13521.6	14909.4	16498.8
67.5°	3783.6	3700.8	3891.6	4613.4	6379.2	8634.6	9529.2	10269.0	11325.6	12389.4	13692.6
70°	1719.0	1679.4	1828.8	2399.4	3848.4	6823.8	8056.8	8307.0	8699.4	9415.8	10296.0
72.5°	678.6	676.8	774.0	991.8	1819.8	4392.0	6775.2	6919.2	7057.8	7369.2	7749.0
75°	444.6	444.6	473.4	534.6	896.4	2120.4	5731.2	5862.6	6075.0	6163.2	6325.2
77.5°	334.8	336.6	349.2	363.6	495.0	1116.0	4044.6	4510.8	4870.8	5139.0	5335.2
80°	237.6	248.4	271.8	280.8	322.2	635.4	2286.0	2622.6	3029.4	3463.2	4008.6
82.5°	178.2	190.8	230.4	241.2	255.6	361.8	1031.4	1170.0	1366.2	1771.2	2547.0
85°	82.8	91.8	158.4	172.8	185.4	208.8	523.8	585.0	664.2	727.2	847.8
87.5°	12.6	9.0	27.0	37.8	59.4	61.2	180.0	214.2	232.2	279.0	289.8
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8
2.5°	2984.4	2986.2	2988.0	2984.4	2986.2	2986.2	2982.6	2980.8	2980.8	2980.8	2982.6
5°	3042.0	3045.6	3042.0	3043.8	3051.0	3049.2	3045.6	3043.8	3051.0	3052.8	3047.4
7.5°	3144.6	3146.4	3139.2	3148.2	3151.8	3153.6	3153.6	3157.2	3157.2	3162.6	3157.2
10°	3276.0	3276.0	3288.6	3286.8	3288.6	3292.2	3294.0	3301.2	3306.6	3306.6	3310.2
12.5°	3427.2	3429.0	3441.6	3443.4	3450.6	3452.4	3463.2	3456.0	3474.0	3474.0	3479.4
15°	3583.8	3596.4	3598.2	3616.2	3619.8	3621.6	3636.0	3636.0	3648.6	3650.4	3654.0
17.5°	3738.6	3749.4	3756.6	3771.0	3783.6	3789.0	3794.4	3805.2	3814.2	3817.8	3826.8
20°	3871.8	3882.6	3889.8	3904.2	3915.0	3924.0	3929.4	3942.0	3951.0	3954.6	3967.2
22.5°	3983.4	3990.6	4003.2	4023.0	4026.6	4037.4	4053.6	4062.6	4066.2	4077.0	4091.4
25°	4102.2	4113.0	4120.2	4138.2	4152.6	4170.6	4185.0	4199.4	4203.0	4217.4	4230.0
27.5°	4260.6	4271.4	4273.2	4309.2	4323.6	4348.8	4365.0	4386.6	4397.4	4410.0	4435.2
30°	4494.6	4519.8	4530.6	4572.0	4579.2	4608.0	4636.8	4644.0	4660.2	4662.0	4703.4
32.5°	4852.8	4888.8	4903.2	4946.4	4957.2	4984.2	5000.4	5038.2	5040.0	5058.0	5067.0
35°	5439.6	5430.6	5486.4	5497.2	5529.6	5553.0	5569.2	5569.2	5603.4	5605.2	5616.0
37.5°	6240.6	6222.6	6237.0	6172.2	6188.4	6159.6	6154.2	6161.4	6147.0	6150.6	6148.8
40°	7522.2	7441.2	7356.6	7156.8	7113.6	7030.8	6966.0	6913.8	6863.4	6809.4	6773.4
42.5°	9129.6	9012.6	8886.6	8566.2	8416.8	8256.6	8100.0	8010.0	7830.0	7720.2	7660.8
45°	10814.4	10677.6	10501.2	10234.8	10022.4	9851.4	9565.2	9430.2	9151.2	9012.6	8825.4
47.5°	12195.0	12196.8	12054.6	11784.6	11557.8	11444.4	11266.2	11005.2	10688.4	10510.2	10177.2
50°	13402.8	13401.0	13392.0	13230.0	13071.6	12947.4	12790.8	12555.0	12295.8	12094.2	11712.6
52.5°	14295.6	14414.4	14464.8	14463.0	14443.2	14385.6	14266.8	14063.4	13800.6	13687.2	13383.0
55°	15033.6	15292.8	15427.8	15723.0	15750.0	15845.4	15741.0	15742.8	15588.0	15598.8	15501.6
57.5°	16151.4	16624.8	16896.6	17550.0	17877.6	18273.6	18203.4	18534.6	18655.2	18808.2	19011.6
60°	17420.4	18304.2	18948.6	20248.2	20777.4	21418.2	21771.0	22147.2	22420.8	22701.6	22908.6
62.5°	18327.6	19488.6	20547.0	22399.2	23086.8	23761.8	24206.4	24661.8	24969.6	25171.2	25320.6
65°	17956.8	19240.2	20491.2	22433.4	23182.2	23671.8	24201.0	24463.8	24771.6	24939.0	25153.2
67.5°	15258.6	16545.6	17886.6	20178.0	20961.0	21637.8	22050.0	22390.2	22638.6	22851.0	23097.6
70°	11347.2	12754.8	14140.8	16653.6	17641.8	18619.2	19105.2	19526.4	19785.6	19999.8	20271.6
72.5°	8166.6	9048.6	9914.4	12727.8	13716.0	14979.6	15483.6	15951.6	16288.2	16277.4	16565.4
75°	6501.6	6859.8	7245.0	8697.6	9406.8	10472.4	10755.0	11017.8	10859.4	10555.2	10537.2
77.5°	5412.6	5560.2	5689.8	6145.2	6249.6	6503.4	6363.0	6217.2	5747.4	5351.4	5142.6
80°	4393.8	4685.4	4876.2	5200.2	5333.4	5409.0	5428.8	5378.4	5205.6	4966.2	4584.6
82.5°	3267.0	3821.4	4199.4	4836.6	5070.6	5119.2	5212.8	5155.2	5041.8	4847.4	4573.8
85°	957.6	1083.6	1242.0	1684.8	1974.6	2221.2	2473.2	2597.4	2674.8	2566.8	2284.2
87.5°	336.6	379.8	424.8	585.0	622.8	752.4	738.0	871.2	876.6	914.4	874.8
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°	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8
2.5°	2980.8	2980.8	2980.8	2982.6	2982.6	2982.6	2979.0	2977.2	2979.0	2982.6	2982.6
5°	3051.0	3052.8	3056.4	3049.2	3051.0	3056.4	3052.8	3051.0	3052.8	3056.4	3052.8
7.5°	3164.4	3166.2	3162.6	3169.8	3169.8	3173.4	3178.8	3173.4	3175.2	3177.0	3178.8
10°	3312.0	3313.8	3317.4	3322.8	3324.6	3328.2	3331.8	3337.2	3337.2	3333.6	3342.6
12.5°	3488.4	3486.6	3490.2	3497.4	3501.0	3506.4	3517.2	3517.2	3524.4	3522.6	3531.6
15°	3661.2	3670.2	3672.0	3684.6	3690.0	3699.0	3711.6	3718.8	3718.8	3729.6	3733.2
17.5°	3834.0	3841.2	3848.4	3859.2	3866.4	3871.8	3886.2	3895.2	3893.4	3913.2	3913.2
20°	3967.2	3981.6	3990.6	3997.8	4010.4	4019.4	4030.2	4041.0	4048.2	4060.8	4064.4
22.5°	4096.8	4105.8	4118.4	4127.4	4141.8	4152.6	4165.2	4174.2	4186.8	4203.0	4208.4
25°	4240.8	4255.2	4269.6	4282.2	4293.0	4305.6	4327.2	4347.0	4365.0	4379.4	4384.8
27.5°	4440.6	4456.8	4478.4	4487.4	4503.6	4514.4	4546.8	4572.0	4581.0	4606.2	4613.4
30°	4710.6	4728.6	4750.2	4761.0	4789.8	4804.2	4838.4	4865.4	4874.4	4905.0	4910.4
32.5°	5101.2	5112.0	5155.2	5153.4	5193.0	5234.4	5254.2	5275.8	5315.4	5331.6	5337.0
35°	5643.0	5668.2	5698.8	5697.0	5747.4	5770.8	5810.4	5833.8	5862.6	5860.8	5891.4
37.5°	6166.8	6175.8	6186.6	6210.0	6246.0	6278.4	6292.8	6316.2	6337.8	6370.2	6409.8
40°	6737.4	6759.0	6760.8	6773.4	6791.4	6832.8	6859.8	6885.0	6958.8	7005.6	7029.0
42.5°	7592.4	7587.0	7551.0	7574.4	7585.2	7648.2	7668.0	7745.4	7828.2	7927.2	7954.2
45°	8692.2	8620.2	8598.6	8589.6	8647.2	8679.6	8760.6	8904.6	8991.0	9084.6	9129.6
47.5°	10045.8	9820.8	9714.6	9691.2	9750.6	9889.2	9916.2	10058.4	10171.8	10240.2	10285.2
50°	11401.2	11224.8	11001.6	10926.0	10909.8	11037.6	11068.2	11187.0	11302.2	11322.0	11298.6
52.5°	13104.0	12816.0	12447.0	12313.8	12207.6	12216.6	12241.8	12292.2	12366.0	12335.4	12272.4
55°	15282.0	14954.4	14772.6	14520.6	14360.4	14331.6	14221.8	14070.6	14065.2	14085.0	13896.0
57.5°	18909.0	18772.2	18849.6	18822.6	18664.2	18759.6	18264.6	18124.2	18012.6	17818.2	17643.6
60°	23092.2	23232.6	23392.8	23761.8	23745.6	24116.4	23772.6	23686.2	23581.8	22982.4	22689.0
62.5°	25581.6	25637.4	25873.2	26217.0	26555.4	26910.0	27070.2	27126.0	26908.2	26418.6	25806.6
65°	25147.8	25394.4	25623.0	25920.0	26267.4	26622.0	26960.4	27158.4	27108.0	26784.0	26110.8
67.5°	23176.8	23436.0	23770.8	24082.2	24456.6	24764.4	25135.2	25498.8	25509.6	25347.6	24879.6
70°	20300.4	20601.0	20946.6	21121.2	21526.2	21805.2	22113.0	22473.0	22590.0	22609.8	22064.4
72.5°	16504.2	16630.2	16799.4	16707.6	16788.6	16966.8	16884.0	16912.8	16468.2	16551.0	15877.8
75°	10051.2	9936.0	9424.8	8958.6	8389.8	7952.4	8056.8	7221.6	6399.0	6357.6	5763.6
77.5°	5097.6	4914.0	4597.2	4267.8	3785.4	3232.8	2772.0	2275.2	1855.8	1616.4	1387.8
80°	4341.6	4212.0	4037.4	3798.0	3447.0	3038.4	2557.8	2179.8	1828.8	1463.4	1171.8
82.5°	4154.4	3758.4	3504.6	3304.8	2925.0	2547.0	2284.2	2025.0	1776.6	1551.6	1229.4
85°	2061.0	1823.4	1542.6	1368.0	1053.0	824.4	772.2	635.4	592.2	457.2	385.2
87.5°	693.0	567.0	423.0	356.4	284.4	232.2	228.6	203.4	201.6	183.6	169.2
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8
2.5°	2980.8	2984.4	2984.4	2980.8	2982.6	2979.0	2980.8	2982.6	2977.2	2975.4	2970.0
5°	3054.6	3052.8	3052.8	3054.6	3060.0	3061.8	3052.8	3056.4	3058.2	3049.2	3029.4
7.5°	3177.0	3177.0	3182.4	3180.6	3191.4	3187.8	3186.0	3186.0	3186.0	3168.0	3135.6
10°	3342.6	3342.6	3348.0	3355.2	3357.0	3353.4	3353.4	3355.2	3364.2	3328.2	3277.8
12.5°	3528.0	3537.0	3535.2	3535.2	3556.8	3551.4	3544.2	3551.4	3560.4	3510.0	3438.0
15°	3735.0	3740.4	3744.0	3756.6	3753.0	3765.6	3769.2	3765.6	3774.6	3709.8	3589.2
17.5°	3922.2	3933.0	3936.6	3951.0	3951.0	3952.8	3967.2	3961.8	3963.6	3889.8	3717.0
20°	4077.0	4087.8	4093.2	4109.4	4113.0	4120.2	4125.6	4129.2	4138.2	4050.0	3821.4
22.5°	4231.8	4240.8	4249.8	4260.6	4275.0	4284.0	4291.2	4294.8	4311.0	4208.4	3920.4
25°	4404.6	4424.4	4433.4	4451.4	4465.8	4480.2	4491.0	4492.8	4519.8	4392.0	4001.4
27.5°	4635.0	4662.0	4676.4	4705.2	4719.6	4734.0	4730.4	4752.0	4789.8	4602.6	4064.4
30°	4937.4	4971.6	4980.6	5009.4	5032.8	5047.2	5063.4	5081.4	5106.6	4836.6	4095.0
32.5°	5358.6	5410.8	5423.4	5439.6	5473.8	5499.0	5509.8	5538.6	5545.8	5058.0	4086.0
35°	5936.4	5913.0	5974.2	5988.6	6037.2	6057.0	6069.6	6107.4	6078.6	5299.2	4026.6
37.5°	6458.4	6451.2	6510.6	6543.0	6606.0	6591.6	6622.2	6647.4	6544.8	5470.2	3916.8
40°	7095.6	7086.6	7169.4	7180.2	7277.4	7255.8	7268.4	7288.2	7059.6	5589.0	3717.0
42.5°	7984.8	7988.4	8076.6	8087.4	8100.0	8139.6	8074.8	8078.4	7606.8	5621.4	3387.6
45°	9156.6	9219.6	9165.6	9167.4	9163.8	9088.2	9007.2	8911.8	8175.6	5509.8	2962.8
47.5°	10292.4	10249.2	10180.8	10117.8	10065.6	9946.8	9828.0	9666.0	8667.0	5245.2	2489.4
50°	11264.4	11167.2	11106.0	10931.4	10807.2	10652.4	10486.8	10301.4	9070.2	4863.6	2046.6
52.5°	12168.0	12067.2	11838.6	11656.8	11478.6	11273.4	11080.8	10863.0	9426.6	4428.0	1708.2
55°	13669.2	13581.0	13352.4	13019.4	12799.8	12517.2	12263.4	11968.2	10148.4	4075.2	1485.0
57.5°	17163.0	17087.4	16606.8	16396.2	16106.4	15397.2	15292.8	14832.0	12083.4	4033.8	1353.6
60°	22082.4	21758.4	21358.8	20782.8	20104.2	19870.2	19348.2	18734.4	15197.4	4147.2	1247.4
62.5°	25102.8	24364.8	23778.0	23113.8	22489.2	21952.8	21382.2	20775.6	16790.4	3997.8	1116.0
65°	25329.6	24462.0	23686.2	22906.8	22204.8	21537.0	20982.6	20376.0	16272.0	3436.2	945.0
67.5°	24080.4	23166.0	22320.0	21436.2	20727.0	20124.0	19418.4	18835.2	14810.4	2674.8	786.6
70°	21504.6	20701.8	19972.8	19020.6	18432.0	17697.6	17249.4	16520.4	12909.6	1823.4	649.8
72.5°	15489.0	14884.2	14646.6	13982.4	13212.0	12780.0	12573.0	11865.6	9540.0	1132.2	531.0
75°	5232.6	5382.0	5040.0	4516.2	4771.8	4377.6	4537.8	4201.2	4035.6	649.8	446.4
77.5°	1161.0	1090.8	1008.0	936.0	930.6	874.8	927.0	876.6	937.8	414.0	394.2
80°	916.2	723.6	615.6	561.6	532.8	516.6	504.0	489.6	446.4	352.8	363.6
82.5°	990.0	747.0	547.2	437.4	374.4	351.0	345.6	331.2	327.6	342.0	367.2
85°	316.8	264.6	225.0	212.4	196.2	187.2	183.6	178.2	216.0	372.6	352.8
87.5°	165.6	145.8	129.6	124.2	108.0	100.8	99.0	100.8	151.2	372.6	255.6
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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CATALOG NUMBER: VST-E09-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8	2962.8
2.5°	2964.6	2962.8	2959.2	2957.4	2955.6	2946.6	2953.8
5°	3020.4	3002.4	2986.2	2966.4	2955.6	2946.6	2946.6
7.5°	3105.0	3054.6	3013.2	2968.2	2937.6	2914.2	2910.6
10°	3211.2	3114.0	3018.6	2937.6	2880.0	2836.8	2831.4
12.5°	3312.0	3164.4	3013.2	2880.0	2790.0	2728.8	2725.2
15°	3405.6	3191.4	2971.8	2775.6	2640.6	2559.6	2550.6
17.5°	3479.4	3175.2	2878.2	2629.8	2446.2	2350.8	2345.4
20°	3495.6	3110.4	2745.0	2449.8	2255.4	2154.6	2131.2
22.5°	3481.2	2993.4	2579.4	2251.8	2028.6	1927.8	1915.2
25°	3438.0	2851.2	2374.2	2021.4	1814.4	1711.8	1686.6
27.5°	3360.6	2683.8	2152.8	1798.2	1593.0	1494.0	1468.8
30°	3245.4	2482.2	1917.0	1589.4	1377.0	1297.8	1272.6
32.5°	3085.2	2237.4	1684.8	1375.2	1198.8	1135.8	1125.0
35°	2863.8	1956.6	1441.8	1198.8	1069.2	1031.4	1026.0
37.5°	2581.2	1675.8	1238.4	1072.8	979.2	955.8	952.2
40°	2212.2	1387.8	1094.4	982.8	914.4	894.6	891.0
42.5°	1832.4	1171.8	988.2	910.8	855.0	837.0	831.6
45°	1499.4	1026.0	909.0	851.4	799.2	779.4	777.6
47.5°	1251.0	941.4	844.2	797.4	745.2	721.8	723.6
50°	1069.2	864.0	790.2	750.6	691.2	669.6	671.4
52.5°	945.0	786.6	739.8	694.8	644.4	622.8	622.8
55°	847.8	723.6	691.2	642.6	603.0	583.2	581.4
57.5°	768.6	673.2	644.4	604.8	565.2	541.8	541.8
60°	720.0	637.2	613.8	577.8	531.0	505.8	504.0
62.5°	691.2	626.4	606.6	556.2	504.0	478.8	473.4
65°	669.6	651.6	626.4	543.6	482.4	455.4	450.0
67.5°	671.4	711.0	675.0	550.8	475.2	435.6	428.4
70°	682.2	757.8	709.2	567.0	505.8	426.6	410.4
72.5°	628.2	685.8	639.0	540.0	493.2	410.4	390.6
75°	523.8	500.4	459.0	439.2	442.8	372.6	365.4
77.5°	424.8	372.6	333.0	349.2	372.6	318.6	311.4
80°	369.0	302.4	282.6	309.6	338.4	271.8	253.8
82.5°	345.6	255.6	243.0	322.2	354.6	234.0	205.2
85°	304.2	208.8	190.8	379.8	354.6	176.4	163.8
87.5°	203.4	124.2	118.8	279.0	243.0	122.4	99.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)