

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: P158296

Luminaire Tested: **VST-F11-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158296
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-F11-LED-E-U-SL2-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(11) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (77) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28035.2 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 282.7
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



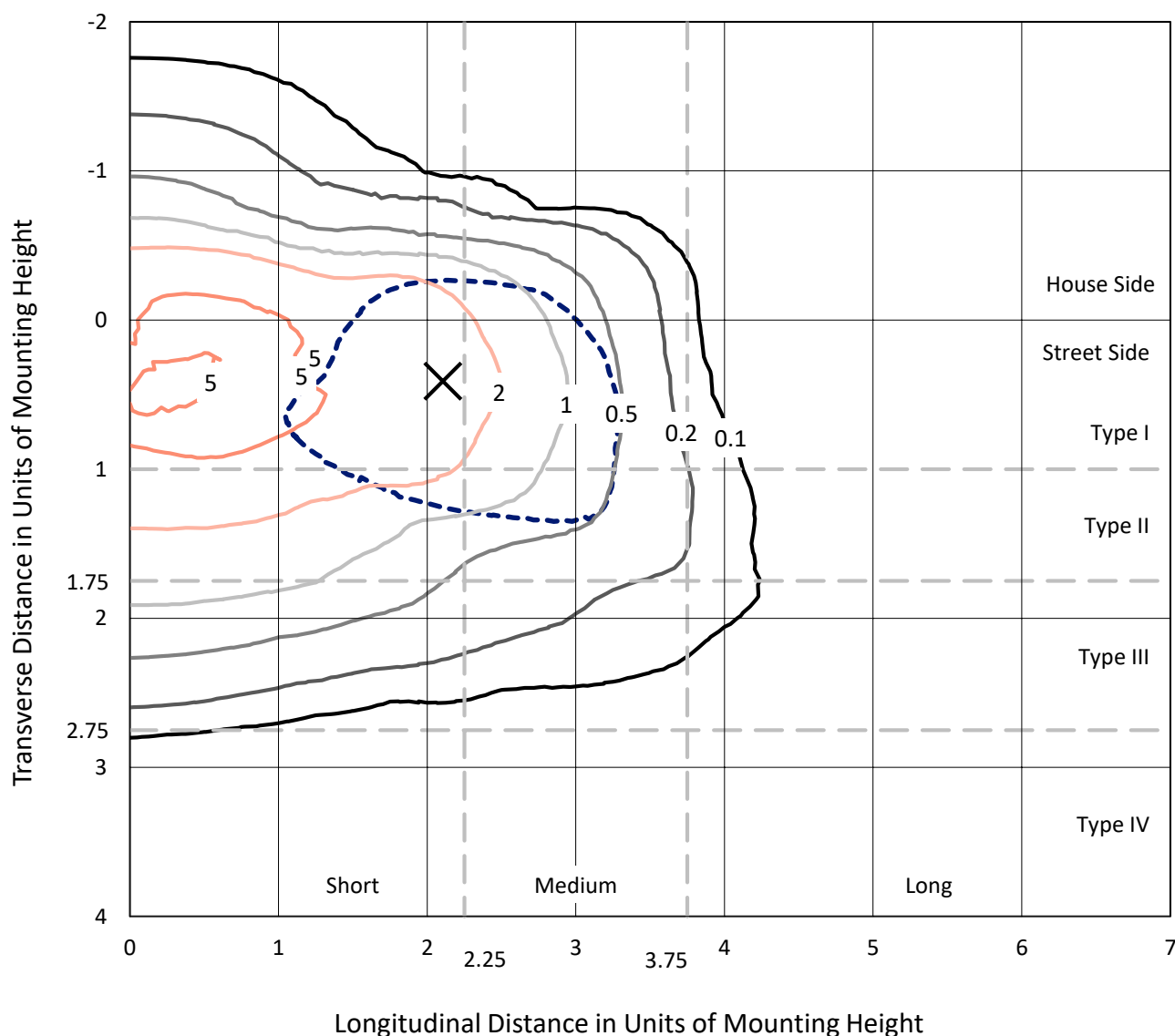
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

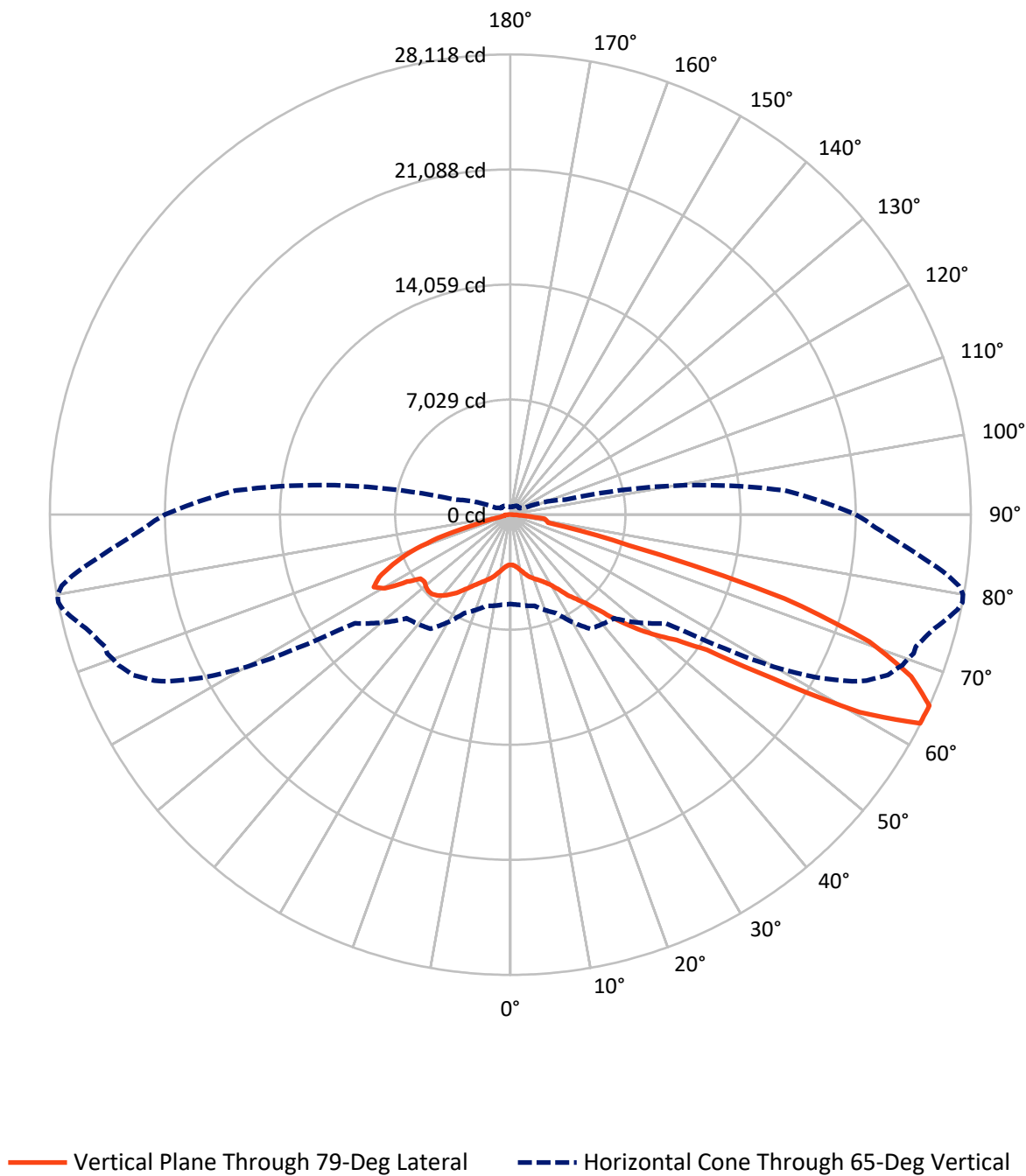


Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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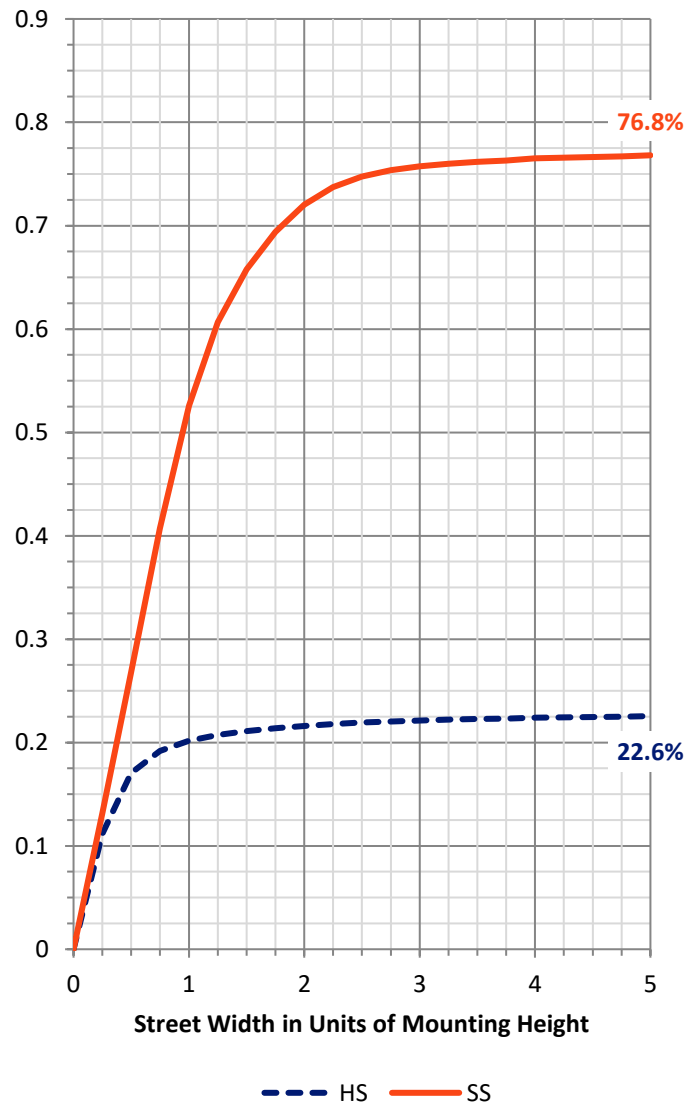
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6442.0	0.0	6442.0
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	21593.2	0.0	21593.2
	% Fixture	77.0	0.0	77.0
Total	Lumens	28035.2	0.0	28035.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.5	1.1
10°-20°	985.6	3.5
20°-30°	1699.2	6.1
30°-40°	2783.3	9.9
40°-50°	4660.9	16.6
50°-60°	6304.6	22.5
60°-70°	7764.1	27.7
70°-80°	3005.4	10.7
80°-90°	528.5	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°	28035.2	100.0
0°-180°	28035.2	100.0

Coefficient of Utilization



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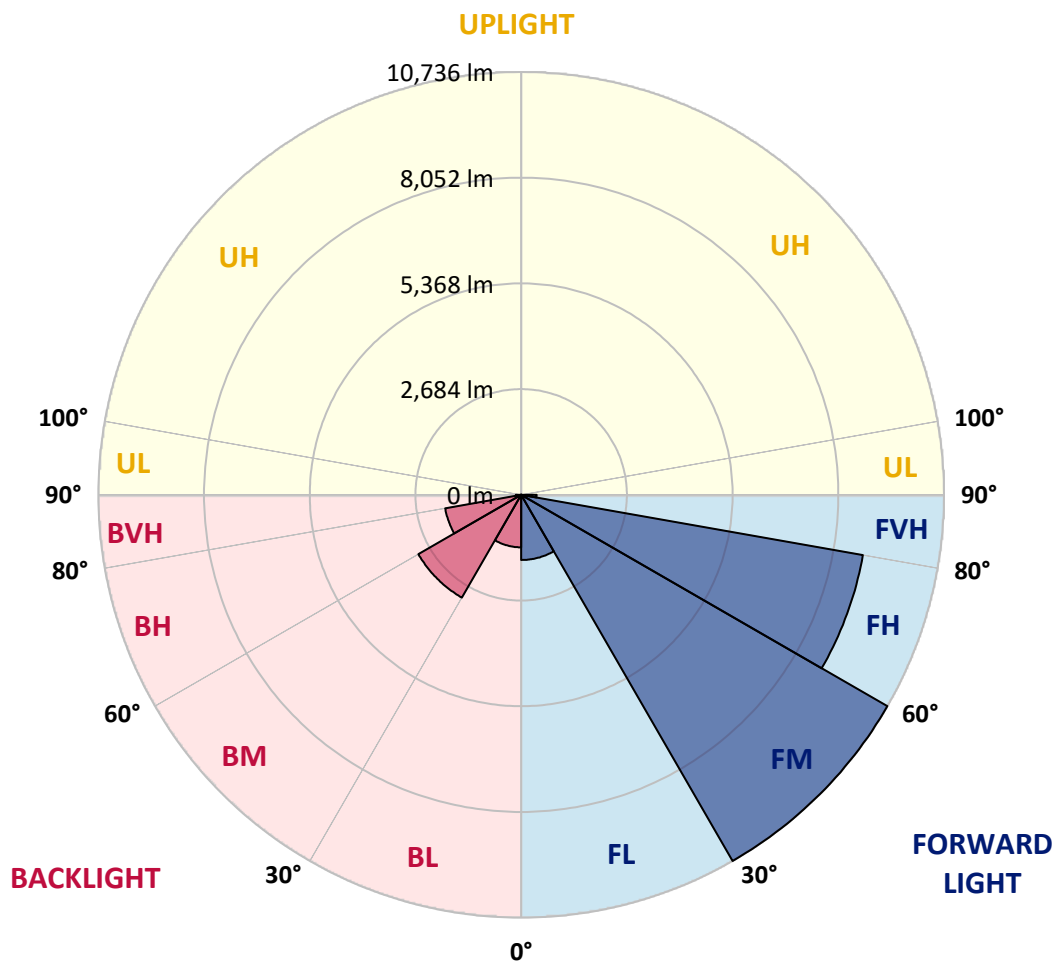
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1655.1	5.9			
FM	(30°-60°)	10736.2	38.3			
FH	(60°-80°)	8809.6	31.4			G4/12000
FVH	(80°-90°)	392.2	1.4			G3/500
BL	(0°-30°)	1333.2	4.8	B3/2500		
BM	(30°-60°)	3012.6	10.7	B3/5000		
BH	(60°-80°)	1959.9	7.0	B3/2500		G3/2500
BVH	(80°-90°)	136.4	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-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4
2.5°	3073.0	3063.7	3073.0	3080.5	3086.1	3093.5	3091.7	3089.8	3087.9	3089.8	3089.8
5°	3099.1	3097.2	3106.6	3114.0	3127.1	3136.4	3147.6	3147.6	3147.6	3145.7	3149.4
7.5°	3183.0	3181.1	3190.4	3197.9	3209.1	3227.7	3242.6	3250.1	3248.2	3248.2	3248.2
10°	3320.9	3313.4	3313.4	3313.4	3328.3	3341.4	3374.9	3378.6	3386.1	3382.4	3384.2
12.5°	3455.1	3456.9	3451.3	3445.7	3447.6	3473.7	3522.1	3531.5	3533.3	3538.9	3542.6
15°	3576.2	3574.3	3561.3	3548.2	3565.0	3609.7	3673.1	3689.9	3689.9	3701.0	3708.5
17.5°	3688.0	3684.3	3660.0	3637.7	3654.5	3730.9	3829.6	3840.8	3857.6	3863.2	3870.6
20°	3820.3	3812.9	3784.9	3725.3	3725.3	3829.6	3960.1	3971.3	3986.2	3989.9	4002.9
22.5°	4004.8	3986.2	3926.5	3818.4	3788.6	3909.8	4070.0	4075.6	4086.8	4101.7	4112.9
25°	4213.5	4217.3	4120.3	3932.1	3866.9	3993.6	4176.3	4185.6	4206.1	4217.3	4230.3
27.5°	4429.7	4435.3	4327.2	4092.4	3982.4	4109.2	4319.7	4330.9	4355.2	4368.2	4388.7
30°	4675.7	4683.1	4578.8	4342.1	4174.4	4278.7	4532.2	4562.0	4582.5	4599.3	4632.8
32.5°	5266.4	5221.7	5149.0	4897.5	4632.8	4625.4	4875.1	4908.6	4936.6	4972.0	5003.7
35°	6010.0	6038.0	6075.2	5905.6	5672.7	5503.1	5523.6	5505.0	5531.1	5583.2	5614.9
37.5°	6598.9	6660.4	6822.5	6932.5	6923.1	6889.6	6576.5	6576.5	6593.3	6565.3	6561.6
40°	7061.1	7100.2	7431.9	7858.7	8218.3	8395.4	8147.5	8112.1	8130.7	7987.2	7992.8
42.5°	7299.6	7357.4	7834.4	8583.6	9297.3	9865.7	9789.3	9765.1	9709.2	9673.8	9651.4
45°	7420.7	7489.7	8058.1	9086.7	10126.6	11004.4	11399.4	11395.7	11345.4	11304.4	11285.8
47.5°	7359.2	7418.9	8024.5	9239.6	10562.7	11738.6	12612.6	12666.7	12651.8	12711.4	12735.6
50°	6956.7	7033.1	7640.6	8909.7	10380.1	12027.5	13453.1	13553.7	13689.8	13775.5	13889.2
52.5°	6593.3	6656.7	7204.5	8374.9	9780.0	11792.6	13960.0	14166.8	14353.2	14528.4	14664.4
55°	6213.1	6276.5	6757.3	7819.5	9174.3	11099.4	14191.1	14493.0	14783.7	15080.0	15352.1
57.5°	6069.6	6136.7	6494.5	7389.0	8678.6	10411.7	14304.7	14800.4	15273.8	15777.0	16298.8
60°	6442.3	6502.0	6774.1	7400.2	8300.3	9724.1	14075.5	14854.5	15668.9	16498.2	17299.5
62.5°	6328.7	6360.4	6699.5	7670.4	8783.0	9045.8	13082.2	14110.9	15294.3	16509.3	17737.4
65°	5460.2	5521.7	5777.1	6630.6	8512.8	8954.4	11569.0	12603.3	13999.1	15435.9	17081.4
67.5°	3917.2	3831.5	4029.0	4776.3	6604.5	8939.5	9865.7	10631.6	11725.6	12826.9	14176.1
70°	1779.7	1738.7	1893.4	2484.1	3984.3	7064.8	8341.3	8600.4	9006.6	9748.3	10659.6
72.5°	702.6	700.7	801.3	1026.8	1884.1	4547.1	7014.5	7163.5	7307.0	7629.4	8022.7
75°	460.3	460.3	490.1	553.5	928.1	2195.3	5933.6	6069.6	6289.5	6380.9	6548.6
77.5°	346.6	348.5	361.5	376.4	512.5	1155.4	4187.4	4670.1	5042.8	5320.5	5523.6
80°	246.0	257.2	281.4	290.7	333.6	657.8	2366.7	2715.2	3136.4	3585.5	4150.2
82.5°	184.5	197.5	238.5	249.7	264.6	374.6	1067.8	1211.3	1414.4	1833.7	2636.9
85°	85.7	95.0	164.0	178.9	191.9	216.2	542.3	605.7	687.7	752.9	877.7
87.5°	13.0	9.3	28.0	39.1	61.5	63.4	186.4	221.8	240.4	288.9	300.0
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°	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4
2.5°	3089.8	3091.7	3093.5	3089.8	3091.7	3091.7	3087.9	3086.1	3086.1	3086.1	3087.9
5°	3149.4	3153.2	3149.4	3151.3	3158.7	3156.9	3153.2	3151.3	3158.7	3160.6	3155.0
7.5°	3255.7	3257.5	3250.1	3259.4	3263.1	3265.0	3265.0	3268.7	3268.7	3274.3	3268.7
10°	3391.7	3391.7	3404.7	3402.9	3404.7	3408.5	3410.3	3417.8	3423.4	3423.4	3427.1
12.5°	3548.2	3550.1	3563.1	3565.0	3572.5	3574.3	3585.5	3578.0	3596.7	3596.7	3602.3
15°	3710.4	3723.4	3725.3	3743.9	3747.6	3749.5	3764.4	3764.4	3777.4	3779.3	3783.0
17.5°	3870.6	3881.8	3889.3	3904.2	3917.2	3922.8	3928.4	3939.6	3948.9	3952.6	3961.9
20°	4008.5	4019.7	4027.2	4042.1	4053.3	4062.6	4068.2	4081.2	4090.5	4094.3	4107.3
22.5°	4124.1	4131.5	4144.6	4165.1	4168.8	4180.0	4196.8	4206.1	4209.8	4221.0	4235.9
25°	4247.1	4258.2	4265.7	4284.3	4299.2	4317.9	4332.8	4347.7	4351.4	4366.3	4379.4
27.5°	4411.1	4422.2	4424.1	4461.4	4476.3	4502.4	4519.1	4541.5	4552.7	4565.7	4591.8
30°	4653.3	4679.4	4690.6	4733.5	4740.9	4770.7	4800.5	4808.0	4824.8	4826.6	4869.5
32.5°	5024.2	5061.4	5076.4	5121.1	5132.3	5160.2	5177.0	5216.1	5218.0	5236.6	5245.9
35°	5631.7	5622.4	5680.2	5691.3	5724.9	5749.1	5765.9	5765.9	5801.3	5803.1	5814.3
37.5°	6461.0	6442.3	6457.3	6390.2	6406.9	6377.1	6371.5	6379.0	6364.1	6367.8	6365.9
40°	7787.8	7704.0	7616.4	7409.5	7364.8	7279.1	7212.0	7158.0	7105.8	7049.9	7012.6
42.5°	9452.0	9330.9	9200.4	8868.7	8714.0	8548.2	8386.0	8292.9	8106.5	7992.8	7931.3
45°	11196.3	11054.7	10872.0	10596.2	10376.3	10199.3	9903.0	9763.2	9474.4	9330.9	9137.1
47.5°	12625.7	12627.5	12480.3	12200.8	11966.0	11848.6	11664.1	11393.8	11065.9	10881.4	10536.6
50°	13876.1	13874.3	13864.9	13697.2	13533.2	13404.6	13242.5	12998.4	12730.0	12521.3	12126.2
52.5°	14800.4	14923.4	14975.6	14973.8	14953.3	14893.6	14770.6	14560.0	14288.0	14170.6	13855.6
55°	15564.5	15832.9	15972.6	16278.3	16306.2	16405.0	16296.9	16298.8	16138.5	16149.7	16049.0
57.5°	16721.8	17211.9	17493.3	18169.8	18508.9	18918.9	18846.2	19189.1	19314.0	19472.4	19683.0
60°	18035.6	18950.6	19617.8	20963.3	21511.1	22174.6	22539.8	22929.3	23212.6	23503.3	23717.6
62.5°	18974.8	20176.8	21272.6	23190.2	23902.1	24600.9	25061.2	25532.7	25851.4	26060.1	26214.8
65°	18590.9	19919.7	21214.8	23225.6	24000.9	24507.8	25055.6	25327.7	25646.4	25819.7	26041.5
67.5°	15797.5	17129.9	18518.3	20890.6	21701.2	22401.9	22828.7	23180.9	23438.1	23658.0	23913.3
70°	11747.9	13205.2	14640.2	17241.7	18264.8	19276.7	19779.9	20216.0	20484.3	20706.1	20987.5
72.5°	8455.0	9368.1	10264.5	13177.3	14200.4	15508.6	16030.4	16514.9	16863.4	16852.2	17150.4
75°	6731.2	7102.1	7500.9	9004.8	9739.0	10842.2	11134.8	11406.9	11242.9	10928.0	10909.3
77.5°	5603.7	5756.6	5890.7	6362.2	6470.3	6733.1	6587.7	6436.8	5950.4	5540.4	5324.2
80°	4549.0	4850.9	5048.4	5383.8	5521.7	5600.0	5620.5	5568.3	5389.4	5141.6	4746.5
82.5°	3382.4	3956.4	4347.7	5007.4	5249.7	5300.0	5396.9	5337.3	5219.8	5018.6	4735.3
85°	991.4	1121.9	1285.9	1744.3	2044.3	2299.6	2560.5	2689.1	2769.3	2657.4	2364.9
87.5°	348.5	393.2	439.8	605.7	644.8	779.0	764.1	902.0	907.6	946.7	905.7
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°	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4
2.5°	3086.1	3086.1	3086.1	3087.9	3087.9	3087.9	3084.2	3082.3	3084.2	3087.9	3087.9
5°	3158.7	3160.6	3164.3	3156.9	3158.7	3164.3	3160.6	3158.7	3160.6	3164.3	3160.6
7.5°	3276.1	3278.0	3274.3	3281.7	3281.7	3285.5	3291.1	3285.5	3287.3	3289.2	3291.1
10°	3429.0	3430.8	3434.6	3440.1	3442.0	3445.7	3449.5	3455.1	3455.1	3451.3	3460.6
12.5°	3611.6	3609.7	3613.5	3620.9	3624.6	3630.2	3641.4	3641.4	3648.9	3647.0	3656.3
15°	3790.5	3799.8	3801.7	3814.7	3820.3	3829.6	3842.7	3850.1	3850.1	3861.3	3865.0
17.5°	3969.4	3976.9	3984.3	3995.5	4002.9	4008.5	4023.4	4032.8	4030.9	4051.4	4051.4
20°	4107.3	4122.2	4131.5	4139.0	4152.0	4161.3	4172.5	4183.7	4191.2	4204.2	4207.9
22.5°	4241.5	4250.8	4263.8	4273.2	4288.1	4299.2	4312.3	4321.6	4334.7	4351.4	4357.0
25°	4390.6	4405.5	4420.4	4433.4	4444.6	4457.7	4480.0	4500.5	4519.1	4534.1	4539.6
27.5°	4597.4	4614.2	4636.6	4645.9	4662.6	4673.8	4707.4	4733.5	4742.8	4768.9	4776.3
30°	4877.0	4895.6	4918.0	4929.1	4959.0	4973.9	5009.3	5037.2	5046.5	5078.2	5083.8
32.5°	5281.3	5292.5	5337.3	5335.4	5376.4	5419.3	5439.8	5462.1	5503.1	5519.9	5525.5
35°	5842.3	5868.4	5900.1	5898.2	5950.4	5974.6	6015.6	6039.8	6069.6	6067.8	6099.5
37.5°	6384.6	6393.9	6405.1	6429.3	6466.6	6500.1	6515.0	6539.3	6561.6	6595.2	6636.2
40°	6975.3	6997.7	6999.6	7012.6	7031.2	7074.1	7102.1	7128.1	7204.5	7253.0	7277.2
42.5°	7860.5	7854.9	7817.7	7841.9	7853.1	7918.3	7938.8	8018.9	8104.7	8207.1	8235.1
45°	8999.2	8924.6	8902.3	8892.9	8952.6	8986.1	9070.0	9219.1	9308.5	9405.4	9452.0
47.5°	10400.6	10167.6	10057.7	10033.4	10094.9	10238.4	10266.4	10413.6	10531.0	10601.8	10648.4
50°	11803.8	11621.2	11390.1	11311.8	11295.1	11427.4	11459.1	11582.1	11701.3	11721.8	11697.6
52.5°	13566.8	13268.6	12886.6	12748.7	12638.7	12648.0	12674.1	12726.3	12802.7	12771.0	12705.8
55°	15821.7	15482.5	15294.3	15033.4	14867.5	14837.7	14724.0	14567.5	14561.9	14582.4	14386.7
57.5°	19576.8	19435.1	19515.3	19487.3	19323.3	19422.1	18909.6	18764.2	18648.7	18447.4	18266.7
60°	23907.7	24053.1	24218.9	24600.9	24584.2	24968.1	24612.1	24522.7	24414.6	23794.0	23490.3
62.5°	26485.0	26542.8	26786.9	27142.8	27493.2	27860.3	28026.2	28083.9	27858.5	27351.6	26718.0
65°	26035.9	26291.2	26527.9	26835.4	27195.0	27562.1	27912.5	28117.5	28065.3	27729.9	27032.9
67.5°	23995.3	24263.6	24610.3	24932.7	25320.3	25638.9	26022.8	26399.3	26410.5	26242.7	25758.2
70°	21017.3	21328.5	21686.3	21867.1	22286.4	22575.2	22893.9	23266.6	23387.8	23408.3	22843.6
72.5°	17087.0	17217.5	17392.7	17297.6	17381.5	17566.0	17480.3	17510.1	17049.8	17135.5	16438.5
75°	10406.2	10286.9	9757.6	9275.0	8686.1	8233.2	8341.3	7476.6	6625.0	6582.1	5967.1
77.5°	5277.6	5087.5	4759.5	4418.5	3919.1	3347.0	2869.9	2355.5	1921.3	1673.5	1436.8
80°	4494.9	4360.7	4180.0	3932.1	3568.7	3145.7	2648.1	2256.8	1893.4	1515.1	1213.2
82.5°	4301.1	3891.1	3628.4	3421.5	3028.3	2636.9	2364.9	2096.5	1839.3	1606.4	1272.8
85°	2133.8	1887.8	1597.1	1416.3	1090.2	853.5	799.5	657.8	613.1	473.3	398.8
87.5°	717.5	587.0	437.9	369.0	294.4	240.4	236.7	210.6	208.7	190.1	175.2
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°	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4
2.5°	3086.1	3089.8	3089.8	3086.1	3087.9	3084.2	3086.1	3087.9	3082.3	3080.5	3074.9
5°	3162.5	3160.6	3160.6	3162.5	3168.1	3169.9	3160.6	3164.3	3166.2	3156.9	3136.4
7.5°	3289.2	3289.2	3294.8	3292.9	3304.1	3300.4	3298.5	3298.5	3298.5	3279.9	3246.3
10°	3460.6	3460.6	3466.2	3473.7	3475.6	3471.8	3471.8	3473.7	3483.0	3445.7	3393.6
12.5°	3652.6	3661.9	3660.0	3660.0	3682.4	3676.8	3669.4	3676.8	3686.1	3634.0	3559.4
15°	3866.9	3872.5	3876.2	3889.3	3885.5	3898.6	3902.3	3898.6	3907.9	3840.8	3716.0
17.5°	4060.7	4071.9	4075.6	4090.5	4090.5	4092.4	4107.3	4101.7	4103.6	4027.2	3848.3
20°	4221.0	4232.2	4237.7	4254.5	4258.2	4265.7	4271.3	4275.0	4284.3	4193.0	3956.4
22.5°	4381.2	4390.6	4399.9	4411.1	4426.0	4435.3	4442.7	4446.5	4463.2	4357.0	4058.8
25°	4560.1	4580.6	4590.0	4608.6	4623.5	4638.4	4649.6	4651.5	4679.4	4547.1	4142.7
27.5°	4798.7	4826.6	4841.5	4871.4	4886.3	4901.2	4897.5	4919.8	4959.0	4765.1	4207.9
30°	5111.8	5147.2	5156.5	5186.3	5210.5	5225.4	5242.2	5260.8	5286.9	5007.4	4239.6
32.5°	5547.8	5601.9	5614.9	5631.7	5667.1	5693.2	5704.4	5734.2	5741.6	5236.6	4230.3
35°	6146.0	6121.8	6185.2	6200.1	6250.4	6270.9	6283.9	6323.1	6293.3	5486.3	4168.8
37.5°	6686.5	6679.0	6740.5	6774.1	6839.3	6824.4	6856.1	6882.2	6775.9	5663.4	4055.1
40°	7346.2	7336.9	7422.6	7433.8	7534.4	7512.0	7525.1	7545.6	7308.9	5786.4	3848.3
42.5°	8266.8	8270.5	8361.8	8373.0	8386.0	8427.0	8360.0	8363.7	7875.4	5819.9	3507.2
45°	9480.0	9545.2	9489.3	9491.1	9487.4	9409.1	9325.3	9226.5	8464.3	5704.4	3067.4
47.5°	10655.9	10611.1	10540.3	10475.1	10421.1	10298.1	10175.1	10007.4	8973.1	5430.4	2577.3
50°	11662.2	11561.6	11498.2	11317.4	11188.9	11028.6	10857.1	10665.2	9390.5	5035.4	2118.9
52.5°	12597.7	12493.3	12256.7	12068.5	11884.0	11671.5	11472.1	11246.6	9759.5	4584.4	1768.5
55°	14151.9	14060.6	13823.9	13479.2	13251.8	12959.2	12696.5	12390.9	10506.8	4219.1	1537.4
57.5°	17769.1	17690.8	17193.3	16975.2	16675.2	15940.9	15832.9	15355.8	12510.1	4176.3	1401.4
60°	22862.2	22526.8	22113.1	21516.7	20814.2	20571.9	20031.5	19396.0	15734.1	4293.7	1291.5
62.5°	25989.3	25225.2	24617.7	23930.1	23283.4	22728.1	22137.3	21509.3	17383.3	4139.0	1155.4
65°	26224.1	25325.9	24522.7	23715.7	22989.0	22297.6	21723.6	21095.6	16846.6	3557.5	978.4
67.5°	24930.8	23984.1	23108.2	22193.2	21459.0	20834.7	20104.2	19500.4	15333.4	2769.3	814.4
70°	22264.0	21432.9	20678.1	19692.3	19082.9	18322.6	17858.6	17103.8	13365.5	1887.8	672.7
72.5°	16036.0	15409.8	15163.8	14476.2	13678.6	13231.3	13017.0	12284.6	9876.9	1172.2	549.8
75°	5417.4	5572.1	5218.0	4675.7	4940.3	4532.2	4698.1	4349.6	4178.1	672.7	462.2
77.5°	1202.0	1129.3	1043.6	969.1	963.5	905.7	959.7	907.6	970.9	428.6	408.1
80°	948.6	749.2	637.3	581.4	551.6	534.8	521.8	506.9	462.2	365.3	376.4
82.5°	1025.0	773.4	566.5	452.8	387.6	363.4	357.8	342.9	339.2	354.1	380.2
85°	328.0	273.9	232.9	219.9	203.1	193.8	190.1	184.5	223.6	385.8	365.3
87.5°	171.4	150.9	134.2	128.6	111.8	104.4	102.5	104.4	156.5	385.8	264.6
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-F11-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4	3067.4
2.5°	3069.3	3067.4	3063.7	3061.8	3060.0	3050.7	3058.1
5°	3127.1	3108.4	3091.7	3071.2	3060.0	3050.7	3050.7
7.5°	3214.7	3162.5	3119.6	3073.0	3041.3	3017.1	3013.4
10°	3324.6	3224.0	3125.2	3041.3	2981.7	2937.0	2931.4
12.5°	3429.0	3276.1	3119.6	2981.7	2888.5	2825.2	2821.4
15°	3525.9	3304.1	3076.7	2873.6	2733.9	2650.0	2640.7
17.5°	3602.3	3287.3	2979.8	2722.7	2532.6	2433.8	2428.2
20°	3619.0	3220.2	2841.9	2536.3	2335.0	2230.7	2206.5
22.5°	3604.1	3099.1	2670.5	2331.3	2100.2	1995.9	1982.8
25°	3559.4	2951.9	2458.0	2092.8	1878.5	1772.3	1746.2
27.5°	3479.3	2778.6	2228.8	1861.7	1649.3	1546.8	1520.7
30°	3360.0	2569.9	1984.7	1645.5	1425.6	1343.6	1317.5
32.5°	3194.2	2316.4	1744.3	1423.8	1241.1	1175.9	1164.7
35°	2964.9	2025.7	1492.7	1241.1	1107.0	1067.8	1062.2
37.5°	2672.4	1735.0	1282.1	1110.7	1013.8	989.6	985.8
40°	2290.3	1436.8	1133.0	1017.5	946.7	926.2	922.5
42.5°	1897.1	1213.2	1023.1	943.0	885.2	866.6	861.0
45°	1552.4	1062.2	941.1	881.5	827.4	806.9	805.1
47.5°	1295.2	974.6	874.0	825.6	771.5	747.3	749.2
50°	1107.0	894.5	818.1	777.1	715.6	693.2	695.1
52.5°	978.4	814.4	765.9	719.3	667.2	644.8	644.8
55°	877.7	749.2	715.6	665.3	624.3	603.8	601.9
57.5°	795.7	697.0	667.2	626.2	585.2	560.9	560.9
60°	745.4	659.7	635.5	598.2	549.8	523.7	521.8
62.5°	715.6	648.5	628.0	575.8	521.8	495.7	490.1
65°	693.2	674.6	648.5	562.8	499.4	471.5	465.9
67.5°	695.1	736.1	698.8	570.3	492.0	451.0	443.5
70°	706.3	784.6	734.2	587.0	523.7	441.7	424.9
72.5°	650.4	710.0	661.6	559.1	510.6	424.9	404.4
75°	542.3	518.1	475.2	454.7	458.4	385.8	378.3
77.5°	439.8	385.8	344.8	361.5	385.8	329.9	322.4
80°	382.0	313.1	292.6	320.5	350.4	281.4	262.8
82.5°	357.8	264.6	251.6	333.6	367.1	242.3	212.4
85°	314.9	216.2	197.5	393.2	367.1	182.6	169.6
87.5°	210.6	128.6	123.0	288.9	251.6	126.7	102.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)