

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: P158305

Luminaire Tested: **VST-F12-LED-E-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158305
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-F12-LED-E-U-SL2
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(12) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (84) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29805.8 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 306.6
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

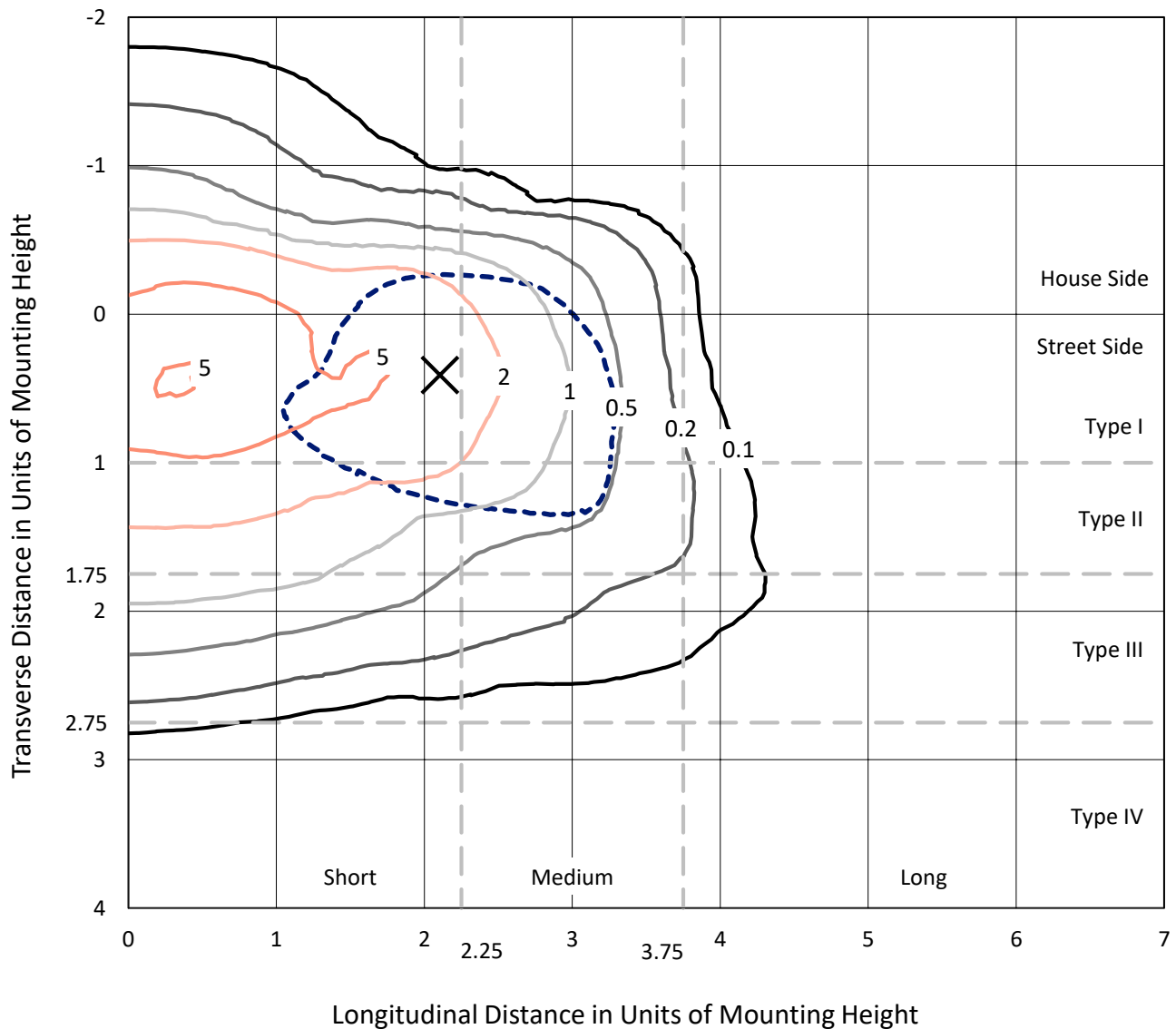


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

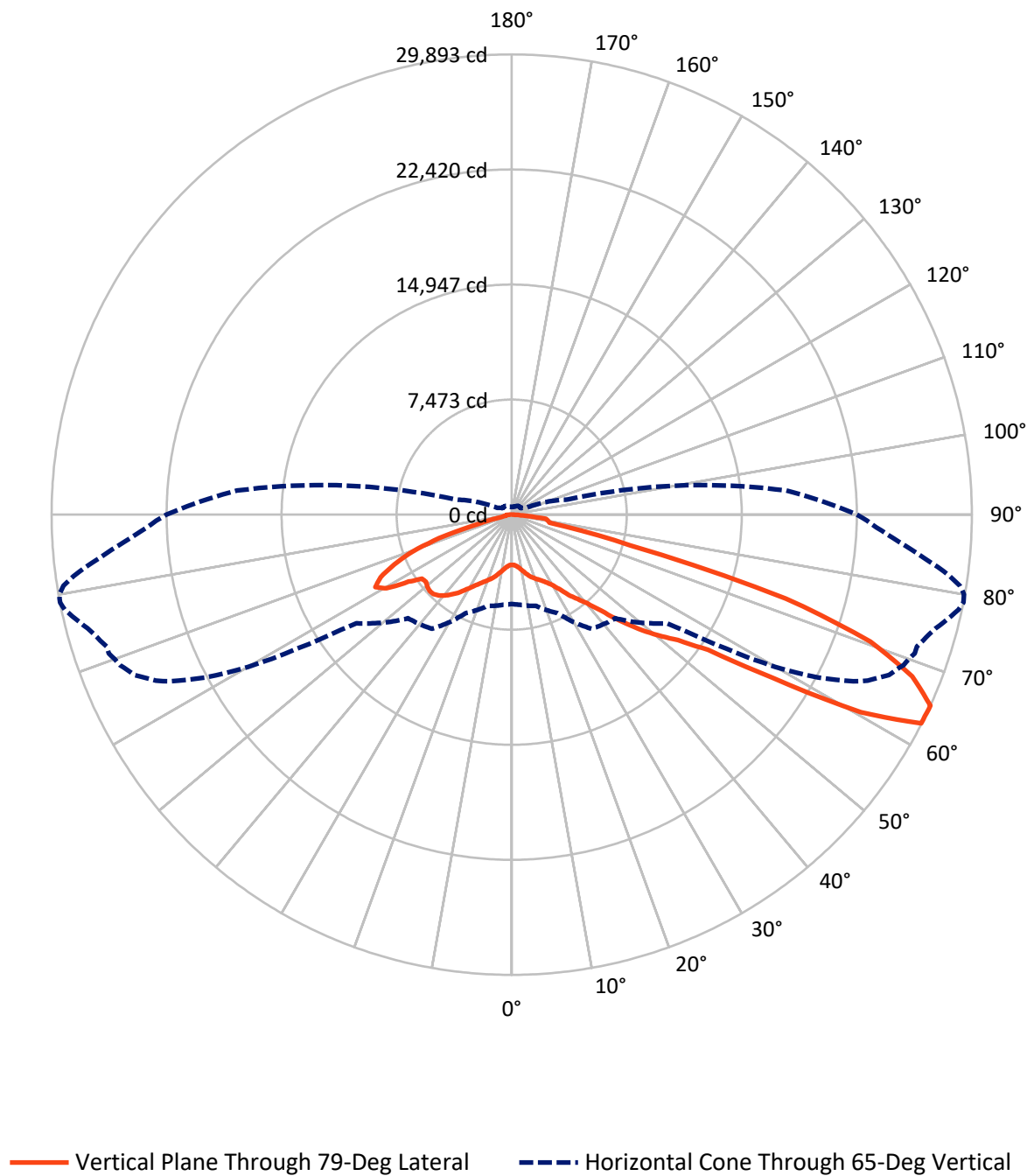


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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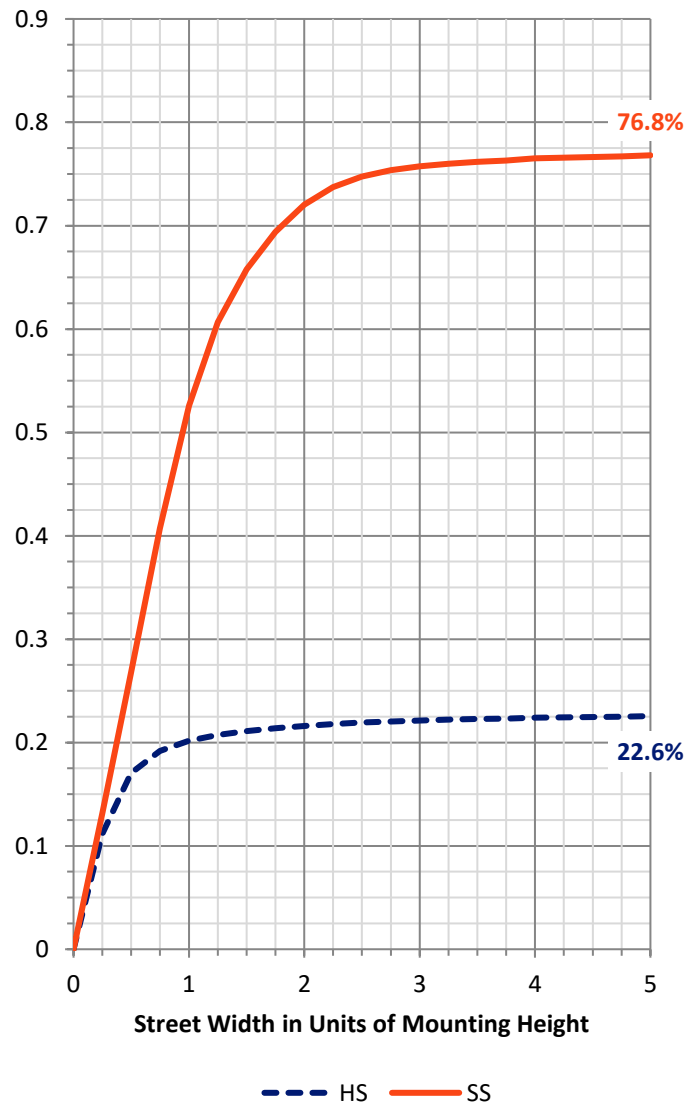
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6848.8	0.0	6848.8
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	22956.9	0.0	22956.9
	% Fixture	77.0	0.0	77.0
Total	Lumens	29805.8	0.0	29805.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.7	1.1
10°-20°	1047.9	3.5
20°-30°	1806.5	6.1
30°-40°	2959.0	9.9
40°-50°	4955.3	16.6
50°-60°	6702.8	22.5
60°-70°	8254.5	27.7
70°-80°	3195.2	10.7
80°-90°	561.9	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°	29805.8	100.0
0°-180°	29805.8	100.0

Coefficient of Utilization



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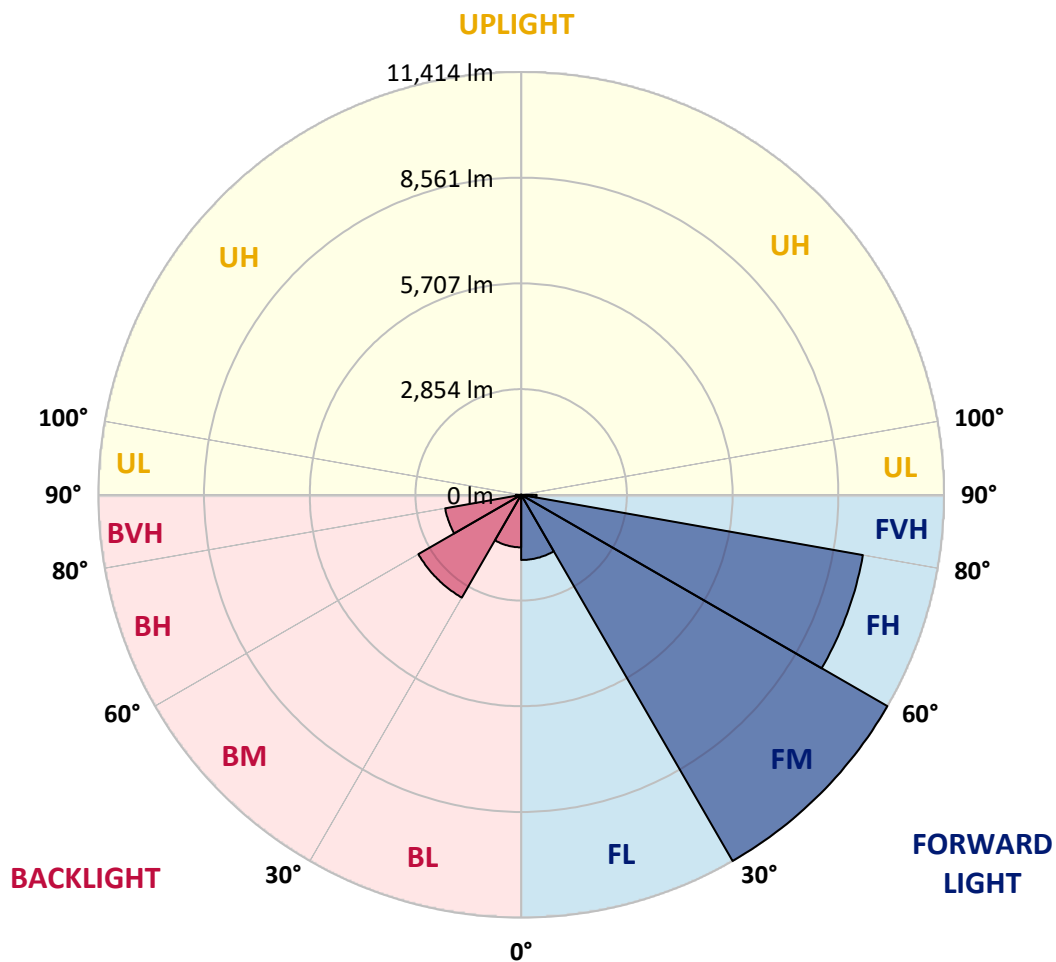
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1759.7	5.9			
FM	(30°-60°)	11414.3	38.3			
FH	(60°-80°)	9366.0	31.4			G4/12000
FVH	(80°-90°)	417.0	1.4			G3/500
BL	(0°-30°)	1417.4	4.8	B3/2500		
BM	(30°-60°)	3202.8	10.7	B3/5000		
BH	(60°-80°)	2083.7	7.0	B3/2500		G3/2500
BVH	(80°-90°)	145.0	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-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2
2.5°	3267.1	3257.2	3267.1	3275.0	3281.0	3288.9	3286.9	3284.9	3282.9	3284.9	3284.9
5°	3294.8	3292.9	3302.8	3310.7	3324.6	3334.5	3346.3	3346.3	3346.3	3344.4	3348.3
7.5°	3384.0	3382.0	3391.9	3399.8	3411.7	3431.5	3447.4	3455.3	3453.3	3453.3	3453.3
10°	3530.6	3522.7	3522.7	3522.7	3538.5	3552.4	3588.1	3592.0	3599.9	3596.0	3598.0
12.5°	3673.3	3675.2	3669.3	3663.3	3665.3	3693.1	3744.6	3754.5	3756.5	3762.4	3766.4
15°	3802.0	3800.1	3786.2	3772.3	3790.2	3837.7	3905.1	3922.9	3922.9	3934.8	3942.7
17.5°	3920.9	3917.0	3891.2	3867.4	3885.3	3966.5	4071.5	4083.4	4101.2	4107.2	4115.1
20°	4061.6	4053.7	4023.9	3960.5	3960.5	4071.5	4210.2	4222.1	4237.9	4241.9	4255.7
22.5°	4257.7	4237.9	4174.5	4059.6	4027.9	4156.7	4327.1	4333.0	4344.9	4360.8	4372.6
25°	4479.6	4483.6	4380.6	4180.5	4111.1	4245.8	4440.0	4449.9	4471.7	4483.6	4497.5
27.5°	4709.5	4715.4	4600.5	4350.8	4234.0	4368.7	4592.6	4604.4	4630.2	4644.1	4665.9
30°	4971.0	4978.9	4868.0	4616.3	4438.0	4549.0	4818.4	4850.1	4871.9	4889.7	4925.4
32.5°	5599.0	5551.5	5474.2	5206.8	4925.4	4917.5	5183.0	5218.6	5248.4	5286.0	5319.7
35°	6389.6	6419.3	6458.9	6278.6	6031.0	5850.7	5872.5	5852.6	5880.4	5935.9	5969.5
37.5°	7015.6	7081.0	7253.4	7370.3	7360.4	7324.7	6991.9	6991.9	7009.7	6980.0	6976.0
40°	7507.0	7548.6	7901.3	8355.0	8737.4	8925.6	8662.1	8624.4	8644.2	8491.7	8497.6
42.5°	7760.6	7822.0	8329.2	9125.7	9884.5	10488.8	10407.6	10381.8	10322.4	10284.7	10260.9
45°	7889.4	7962.7	8567.0	9660.6	10766.2	11699.3	12119.4	12115.4	12061.9	12018.3	11998.5
47.5°	7824.0	7887.4	8531.3	9823.1	11229.8	12480.0	13409.2	13466.6	13450.8	13514.2	13539.9
50°	7396.0	7477.3	8123.2	9472.4	11035.6	12787.1	14302.7	14409.7	14554.3	14645.5	14766.3
52.5°	7009.7	7077.1	7659.6	8903.8	10397.7	12537.4	14841.6	15061.5	15259.7	15445.9	15590.5
55°	6605.5	6672.9	7184.0	8313.4	9753.7	11800.4	15087.3	15408.3	15717.3	16032.4	16321.6
57.5°	6453.0	6524.3	6904.7	7855.7	9226.7	11069.3	15208.2	15735.2	16238.4	16773.3	17328.1
60°	6849.2	6912.6	7201.9	7867.6	8824.5	10338.2	14964.5	15792.6	16658.4	17540.1	18392.0
62.5°	6728.4	6762.0	7122.6	8154.9	9337.7	9617.0	13908.4	15002.1	16260.2	17552.0	18857.6
65°	5805.1	5870.5	6141.9	7049.3	9050.4	9520.0	12299.7	13399.3	14883.2	16410.8	18160.2
67.5°	4164.6	4073.5	4283.5	5078.0	7021.6	9504.1	10488.8	11303.1	12466.1	13637.0	15071.4
70°	1892.1	1848.5	2013.0	2641.0	4235.9	7511.0	8868.1	9143.5	9575.4	10364.0	11332.8
72.5°	746.9	745.0	851.9	1091.7	2003.1	4834.3	7457.5	7616.0	7768.5	8111.3	8529.3
75°	489.4	489.4	521.1	588.4	986.7	2333.9	6308.3	6453.0	6686.8	6783.8	6962.1
77.5°	368.5	370.5	384.4	400.2	544.8	1228.4	4451.9	4965.0	5361.3	5656.5	5872.5
80°	261.5	273.4	299.2	309.1	354.6	699.4	2516.2	2886.7	3334.5	3811.9	4412.3
82.5°	196.1	210.0	253.6	265.5	281.3	398.2	1135.3	1287.8	1503.8	1949.6	2803.5
85°	91.1	101.0	174.4	190.2	204.1	229.8	576.5	643.9	731.1	800.4	933.2
87.5°	13.9	9.9	29.7	41.6	65.4	67.4	198.1	235.8	255.6	307.1	319.0
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°	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2
2.5°	3284.9	3286.9	3288.9	3284.9	3286.9	3286.9	3282.9	3281.0	3281.0	3281.0	3282.9
5°	3348.3	3352.3	3348.3	3350.3	3358.2	3356.3	3352.3	3350.3	3358.2	3360.2	3354.3
7.5°	3461.3	3463.2	3455.3	3465.2	3469.2	3471.2	3471.2	3475.1	3475.1	3481.1	3475.1
10°	3605.9	3605.9	3619.8	3617.8	3619.8	3623.7	3625.7	3633.6	3639.6	3639.6	3643.5
12.5°	3772.3	3774.3	3788.2	3790.2	3798.1	3800.1	3811.9	3804.0	3823.8	3823.8	3829.8
15°	3944.7	3958.6	3960.5	3980.4	3984.3	3986.3	4002.1	4002.1	4016.0	4018.0	4022.0
17.5°	4115.1	4127.0	4134.9	4150.7	4164.6	4170.6	4176.5	4188.4	4198.3	4202.3	4212.2
20°	4261.7	4273.6	4281.5	4297.4	4309.2	4319.1	4325.1	4339.0	4348.9	4352.8	4366.7
22.5°	4384.5	4392.5	4406.3	4428.1	4432.1	4444.0	4461.8	4471.7	4475.7	4487.6	4503.4
25°	4515.3	4527.2	4535.1	4554.9	4570.8	4590.6	4606.4	4622.3	4626.2	4642.1	4656.0
27.5°	4689.6	4701.5	4703.5	4743.1	4759.0	4786.7	4804.6	4828.3	4840.2	4854.1	4881.8
30°	4947.2	4974.9	4986.8	5032.4	5040.3	5072.0	5103.7	5111.7	5129.5	5131.5	5177.0
32.5°	5341.5	5381.1	5397.0	5444.5	5456.4	5486.1	5503.9	5545.5	5547.5	5567.3	5577.2
35°	5987.4	5977.5	6038.9	6050.8	6086.4	6112.2	6130.0	6130.0	6167.7	6169.6	6181.5
37.5°	6869.0	6849.2	6865.1	6793.7	6811.6	6779.9	6773.9	6781.9	6766.0	6770.0	6768.0
40°	8279.7	8190.5	8097.4	7877.5	7829.9	7738.8	7667.5	7610.0	7554.5	7495.1	7455.5
42.5°	10048.9	9920.2	9781.5	9428.8	9264.4	9088.0	8915.7	8816.6	8618.5	8497.6	8432.2
45°	11903.4	11752.8	11558.7	11265.4	11031.7	10843.4	10528.4	10379.8	10072.7	9920.2	9714.1
47.5°	13423.0	13425.0	13268.5	12971.3	12721.7	12596.8	12400.7	12113.4	11764.7	11568.6	11202.0
50°	14752.5	14750.5	14740.6	14562.3	14387.9	14251.2	14078.8	13819.3	13534.0	13312.1	12892.1
52.5°	15735.2	15865.9	15921.4	15919.4	15897.6	15834.2	15703.5	15479.6	15190.3	15065.5	14730.7
55°	16547.5	16832.8	16981.4	17306.3	17336.0	17441.0	17326.1	17328.1	17157.7	17169.6	17062.6
57.5°	17777.8	18298.9	18598.1	19317.3	19677.9	20113.7	20036.5	20401.0	20533.8	20702.2	20926.1
60°	19174.6	20147.4	20856.7	22287.2	22869.7	23575.0	23963.3	24377.4	24678.6	24987.6	25215.5
62.5°	20173.2	21451.1	22616.1	24654.8	25411.6	26154.6	26644.0	27145.2	27484.0	27705.9	27870.4
65°	19765.0	21177.7	22554.7	24692.4	25516.6	26055.5	26638.0	26927.3	27266.1	27450.4	27686.1
67.5°	16795.1	18211.7	19687.8	22209.9	23071.8	23816.7	24270.4	24644.9	24918.3	25152.1	25423.5
70°	12489.9	14039.2	15564.8	18330.6	19418.3	20494.2	21029.1	21492.7	21778.0	22013.8	22312.9
72.5°	8989.0	9959.8	10912.8	14009.5	15097.2	16488.0	17042.8	17557.9	17928.4	17916.5	18233.5
75°	7156.3	7550.6	7974.6	9573.4	10354.1	11527.0	11838.0	12127.3	11952.9	11618.1	11598.3
77.5°	5957.6	6120.1	6262.8	6764.0	6878.9	7158.3	7003.8	6843.3	6326.2	5890.3	5660.5
80°	4836.3	5157.2	5367.2	5723.9	5870.5	5953.7	5975.5	5920.0	5729.8	5466.3	5046.3
82.5°	3596.0	4206.2	4622.3	5323.6	5581.2	5634.7	5737.7	5674.3	5549.5	5335.5	5034.4
85°	1054.0	1192.7	1367.1	1854.5	2173.4	2444.9	2722.3	2859.0	2944.2	2825.3	2514.2
87.5°	370.5	418.0	467.6	643.9	685.5	828.2	812.3	958.9	964.9	1006.5	962.9
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°	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2
2.5°	3281.0	3281.0	3281.0	3282.9	3282.9	3282.9	3279.0	3277.0	3279.0	3282.9	3282.9
5°	3358.2	3360.2	3364.2	3356.3	3358.2	3364.2	3360.2	3358.2	3360.2	3364.2	3360.2
7.5°	3483.1	3485.0	3481.1	3489.0	3489.0	3493.0	3498.9	3493.0	3494.9	3496.9	3498.9
10°	3645.5	3647.5	3651.5	3657.4	3659.4	3663.3	3667.3	3673.3	3673.3	3669.3	3679.2
12.5°	3839.7	3837.7	3841.7	3849.6	3853.6	3859.5	3871.4	3871.4	3879.3	3877.3	3887.2
15°	4029.9	4039.8	4041.8	4055.6	4061.6	4071.5	4085.4	4093.3	4093.3	4105.2	4109.1
17.5°	4220.1	4228.0	4235.9	4247.8	4255.7	4261.7	4277.5	4287.4	4285.5	4307.3	4307.3
20°	4366.7	4382.5	4392.5	4400.4	4414.2	4424.2	4436.0	4447.9	4455.9	4469.7	4473.7
22.5°	4509.3	4519.3	4533.1	4543.0	4558.9	4570.8	4584.6	4594.5	4608.4	4626.2	4632.2
25°	4667.8	4683.7	4699.5	4713.4	4725.3	4739.2	4762.9	4784.7	4804.6	4820.4	4826.3
27.5°	4887.8	4905.6	4929.4	4939.3	4957.1	4969.0	5004.7	5032.4	5042.3	5070.0	5078.0
30°	5185.0	5204.8	5228.5	5240.4	5272.1	5288.0	5325.6	5355.3	5365.3	5398.9	5404.9
32.5°	5614.9	5626.8	5674.3	5672.3	5715.9	5761.5	5783.3	5807.1	5850.7	5868.5	5874.4
35°	6211.2	6239.0	6272.7	6270.7	6326.2	6351.9	6395.5	6421.3	6453.0	6451.0	6484.7
37.5°	6787.8	6797.7	6809.6	6835.3	6875.0	6910.6	6926.5	6952.2	6976.0	7011.7	7055.3
40°	7415.9	7439.6	7441.6	7455.5	7475.3	7520.9	7550.6	7578.3	7659.6	7711.1	7736.8
42.5°	8357.0	8351.0	8311.4	8337.1	8349.0	8418.4	8440.2	8525.4	8616.5	8725.5	8755.2
45°	9567.5	9488.3	9464.5	9454.6	9518.0	9553.6	9642.8	9801.3	9896.4	9999.4	10048.9
47.5°	11057.4	10809.8	10692.9	10667.1	10732.5	10885.0	10914.8	11071.3	11196.1	11271.4	11320.9
50°	12549.3	12355.1	12109.5	12026.2	12008.4	12149.1	12182.8	12313.5	12440.3	12462.1	12436.4
52.5°	14423.6	14106.6	13700.4	13553.8	13436.9	13446.8	13474.5	13530.0	13611.3	13577.6	13508.2
55°	16820.9	16460.3	16260.2	15982.8	15806.5	15774.8	15653.9	15487.5	15481.6	15503.4	15295.3
57.5°	20813.1	20662.6	20747.8	20718.0	20543.7	20648.7	20103.8	19949.3	19826.5	19612.5	19420.3
60°	25417.6	25572.1	25748.5	26154.6	26136.8	26544.9	26166.5	26071.4	25956.5	25296.7	24973.8
62.5°	28157.7	28219.1	28478.6	28857.0	29229.5	29619.8	29796.2	29857.6	29617.9	29079.0	28405.3
65°	27680.2	27951.6	28203.2	28530.1	28912.5	29302.8	29675.3	29893.2	29837.8	29481.1	28740.2
67.5°	25510.7	25796.0	26164.5	26507.3	26919.4	27258.2	27666.3	28066.5	28078.4	27900.1	27385.0
70°	22344.6	22675.5	23055.9	23248.1	23693.9	24001.0	24339.8	24736.0	24864.8	24886.6	24286.3
72.5°	18166.2	18304.9	18491.1	18390.1	18479.2	18675.4	18584.2	18615.9	18126.5	18217.7	17476.7
75°	11063.4	10936.6	10373.9	9860.7	9234.7	8753.2	8868.1	7948.8	7043.4	6997.8	6344.0
77.5°	5610.9	5408.8	5060.1	4697.6	4166.6	3558.3	3051.1	2504.3	2042.7	1779.2	1527.6
80°	4778.8	4636.1	4444.0	4180.5	3794.1	3344.4	2815.4	2399.3	2013.0	1610.8	1289.8
82.5°	4572.7	4136.9	3857.5	3637.6	3219.5	2803.5	2514.2	2228.9	1955.5	1707.8	1353.2
85°	2268.5	2007.0	1697.9	1505.8	1159.0	907.4	850.0	699.4	651.8	503.2	424.0
87.5°	762.8	624.1	465.6	392.3	313.0	255.6	251.6	223.9	221.9	202.1	186.2
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°	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2
2.5°	3281.0	3284.9	3284.9	3281.0	3282.9	3279.0	3281.0	3282.9	3277.0	3275.0	3269.1
5°	3362.2	3360.2	3360.2	3362.2	3368.1	3370.1	3360.2	3364.2	3366.2	3356.3	3334.5
7.5°	3496.9	3496.9	3502.9	3500.9	3512.8	3508.8	3506.8	3506.8	3506.8	3487.0	3451.4
10°	3679.2	3679.2	3685.1	3693.1	3695.0	3691.1	3691.1	3693.1	3703.0	3663.3	3607.9
12.5°	3883.3	3893.2	3891.2	3891.2	3915.0	3909.0	3901.1	3909.0	3918.9	3863.5	3784.2
15°	4111.1	4117.1	4121.0	4134.9	4130.9	4144.8	4148.8	4144.8	4154.7	4083.4	3950.6
17.5°	4317.2	4329.1	4333.0	4348.9	4348.9	4350.8	4366.7	4360.8	4362.7	4281.5	4091.3
20°	4487.6	4499.4	4505.4	4523.2	4527.2	4535.1	4541.0	4545.0	4554.9	4457.8	4206.2
22.5°	4657.9	4667.8	4677.8	4689.6	4705.5	4715.4	4723.3	4727.3	4745.1	4632.2	4315.2
25°	4848.1	4869.9	4879.8	4899.7	4915.5	4931.4	4943.2	4945.2	4974.9	4834.3	4404.3
27.5°	5101.7	5131.5	5147.3	5179.0	5194.9	5210.7	5206.8	5230.5	5272.1	5066.1	4473.7
30°	5434.6	5472.2	5482.1	5513.8	5539.6	5555.5	5573.3	5593.1	5620.8	5323.6	4507.4
32.5°	5898.2	5955.7	5969.5	5987.4	6025.0	6052.7	6064.6	6096.3	6104.3	5567.3	4497.5
35°	6534.2	6508.4	6575.8	6591.7	6645.1	6666.9	6680.8	6722.4	6690.7	5832.8	4432.1
37.5°	7108.8	7100.8	7166.2	7201.9	7271.2	7255.4	7289.1	7316.8	7203.9	6021.0	4311.2
40°	7810.1	7800.2	7891.4	7903.2	8010.2	7986.5	8000.3	8022.1	7770.5	6151.8	4091.3
42.5°	8788.9	8792.8	8889.9	8901.8	8915.7	8959.3	8887.9	8891.9	8372.8	6187.5	3728.7
45°	10078.7	10148.0	10088.6	10090.6	10086.6	10003.4	9914.2	9809.2	8998.9	6064.6	3261.2
47.5°	11328.8	11281.3	11206.0	11136.7	11079.2	10948.4	10817.7	10639.4	9539.8	5773.4	2740.1
50°	12398.7	12291.7	12224.4	12032.2	11895.5	11725.1	11542.8	11338.7	9983.6	5353.4	2252.7
52.5°	13393.3	13282.4	13030.7	12830.6	12634.5	12408.6	12196.6	11956.9	10375.9	4873.9	1880.2
55°	15045.7	14948.6	14697.0	14330.5	14088.7	13777.7	13498.3	13173.4	11170.3	4485.6	1634.5
57.5°	18891.3	18808.1	18279.1	18047.3	17728.3	16947.7	16832.8	16325.6	13300.2	4440.0	1489.9
60°	24306.1	23949.5	23509.6	22875.6	22128.7	21871.1	21296.6	20621.0	16727.8	4564.8	1373.0
62.5°	27630.6	26818.3	26172.4	25441.4	24753.9	24163.4	23535.4	22867.7	18481.2	4400.4	1228.4
65°	27880.3	26925.3	26071.4	25213.5	24440.8	23705.8	23095.5	22427.9	17910.6	3782.2	1040.2
67.5°	26505.3	25498.8	24567.6	23594.8	22814.2	22150.5	21373.8	20731.9	16301.8	2944.2	865.8
70°	23670.1	22786.5	21984.1	20936.0	20288.1	19479.7	18986.4	18184.0	14209.6	2007.0	715.2
72.5°	17048.7	16383.0	16121.5	15390.4	14542.4	14066.9	13839.1	13060.5	10500.7	1246.2	584.5
75°	5759.5	5924.0	5547.5	4971.0	5252.3	4818.4	4994.8	4624.3	4442.0	715.2	491.4
77.5°	1277.9	1200.6	1109.5	1030.3	1024.3	962.9	1020.3	964.9	1032.2	455.7	433.9
80°	1008.5	796.5	677.6	618.2	586.5	568.6	554.8	538.9	491.4	388.3	400.2
82.5°	1089.7	822.2	602.3	481.4	412.1	386.3	380.4	364.6	360.6	376.4	404.2
85°	348.7	291.2	247.7	233.8	216.0	206.1	202.1	196.1	237.8	410.1	388.3
87.5°	182.3	160.5	142.7	136.7	118.9	111.0	109.0	111.0	166.4	410.1	281.3
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-F12-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2	3261.2
2.5°	3263.1	3261.2	3257.2	3255.2	3253.2	3243.3	3251.2
5°	3324.6	3304.7	3286.9	3265.1	3253.2	3243.3	3243.3
7.5°	3417.7	3362.2	3316.6	3267.1	3233.4	3207.7	3203.7
10°	3534.6	3427.6	3322.6	3233.4	3170.0	3122.5	3116.5
12.5°	3645.5	3483.1	3316.6	3170.0	3071.0	3003.6	2999.6
15°	3748.5	3512.8	3271.1	3055.1	2906.5	2817.4	2807.4
17.5°	3829.8	3494.9	3168.0	2894.6	2692.5	2587.5	2581.6
20°	3847.6	3423.6	3021.4	2696.5	2482.5	2371.6	2345.8
22.5°	3831.8	3294.8	2839.1	2478.6	2232.9	2121.9	2108.1
25°	3784.2	3138.3	2613.3	2225.0	1997.1	1884.2	1856.4
27.5°	3699.0	2954.1	2369.6	1979.3	1753.4	1644.4	1616.7
30°	3572.2	2732.2	2110.0	1749.5	1515.7	1428.5	1400.8
32.5°	3395.9	2462.7	1854.5	1513.7	1319.5	1250.2	1238.3
35°	3152.2	2153.6	1587.0	1319.5	1176.9	1135.3	1129.3
37.5°	2841.1	1844.6	1363.1	1180.8	1077.8	1052.0	1048.1
40°	2435.0	1527.6	1204.6	1081.8	1006.5	984.7	980.7
42.5°	2016.9	1289.8	1087.7	1002.5	941.1	921.3	915.3
45°	1650.4	1129.3	1000.5	937.1	879.7	857.9	855.9
47.5°	1377.0	1036.2	929.2	877.7	820.2	794.5	796.5
50°	1176.9	951.0	869.8	826.2	760.8	737.0	739.0
52.5°	1040.2	865.8	814.3	764.8	709.3	685.5	685.5
55°	933.2	796.5	760.8	707.3	663.7	641.9	639.9
57.5°	846.0	741.0	709.3	665.7	622.1	596.4	596.4
60°	792.5	701.4	675.6	636.0	584.5	556.7	554.8
62.5°	760.8	689.5	667.7	612.2	554.8	527.0	521.1
65°	737.0	717.2	689.5	598.3	531.0	501.3	495.3
67.5°	739.0	782.6	743.0	606.3	523.1	479.5	471.5
70°	750.9	834.1	780.6	624.1	556.7	469.6	451.7
72.5°	691.5	754.9	703.3	594.4	542.9	451.7	429.9
75°	576.5	550.8	505.2	483.4	487.4	410.1	402.2
77.5°	467.6	410.1	366.5	384.4	410.1	350.7	342.8
80°	406.2	332.9	311.1	340.8	372.5	299.2	279.4
82.5°	380.4	281.3	267.5	354.6	390.3	257.6	225.9
85°	334.8	229.8	210.0	418.0	390.3	194.2	180.3
87.5°	223.9	136.7	130.8	307.1	267.5	134.7	109.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)