

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: P158020

Luminaire Tested: **VST-E06-LED-E-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158020
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33711)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E06-LED-E-U-RW
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18692.5 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Medium - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 150.5
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

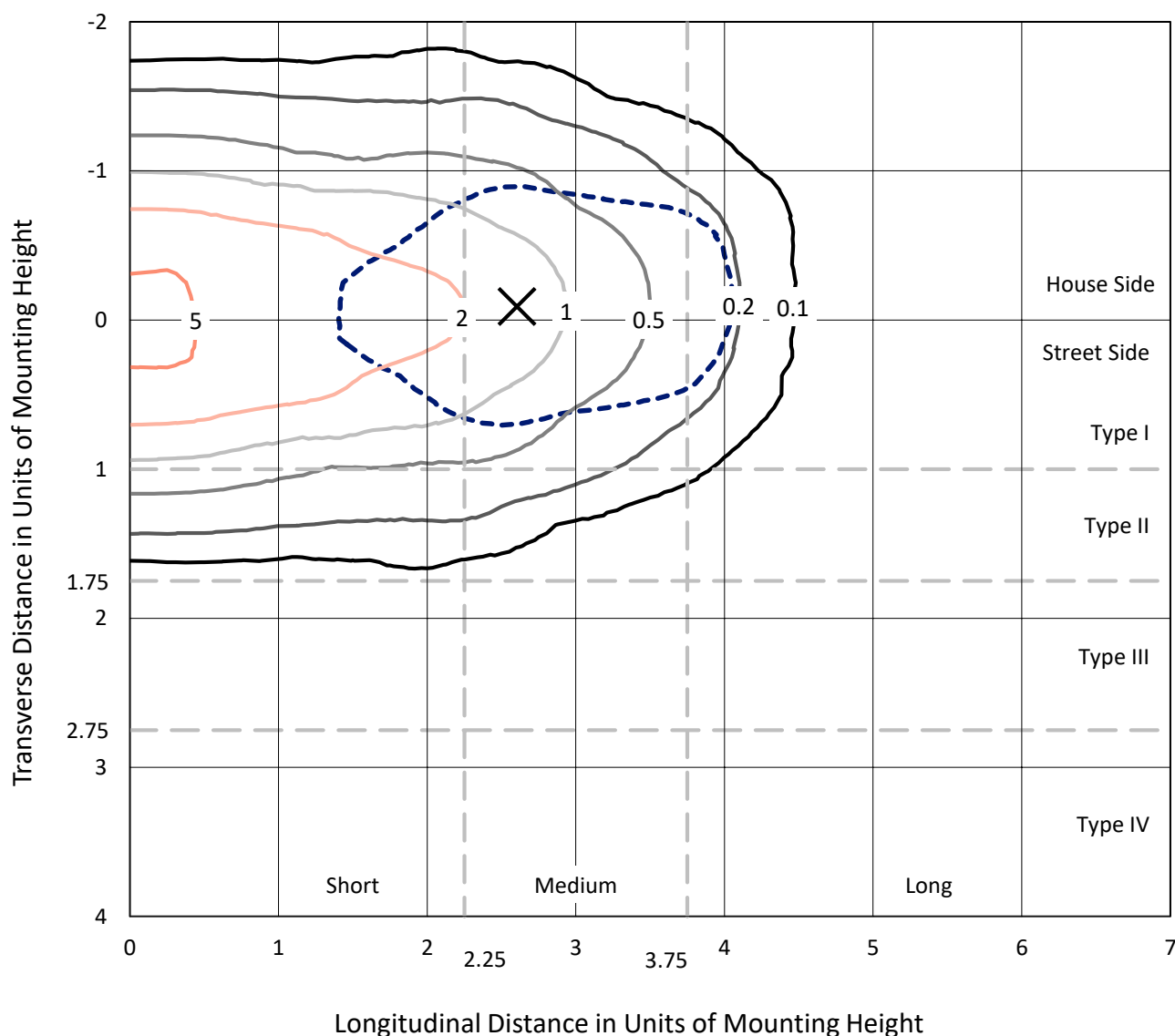


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

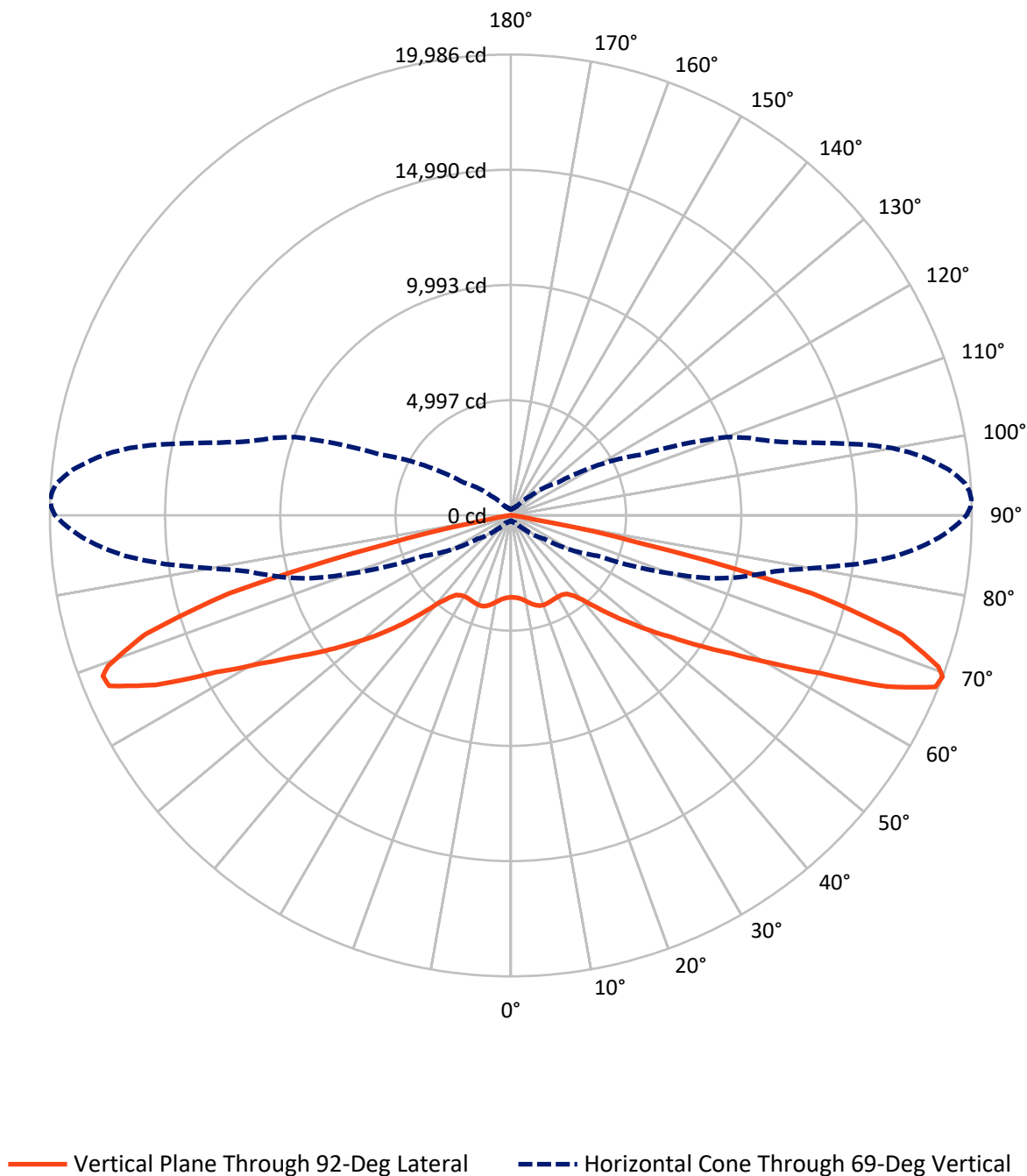


Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type I - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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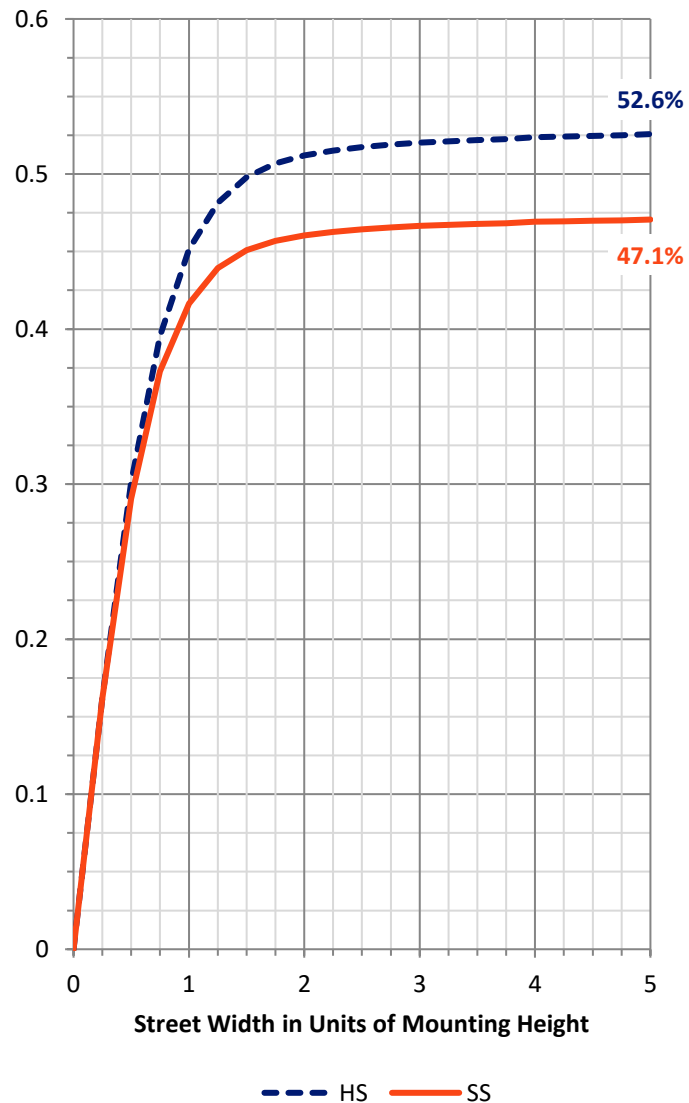
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9913.6	0.0	9913.6
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	8778.9	0.0	8778.9
	% Fixture	47.0	0.0	47.0
Total	Lumens	18692.5	0.0	18692.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.4	1.9
10°-20°	1097.6	5.9
20°-30°	1780.7	9.5
30°-40°	2219.3	11.9
40°-50°	2763.2	14.8
50°-60°	3407.8	18.2
60°-70°	4232.2	22.6
70°-80°	2600.5	13.9
80°-90°	243.7	1.3
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°	18692.5	100.0
0°-180°	18692.5	100.0

Coefficient of Utilization



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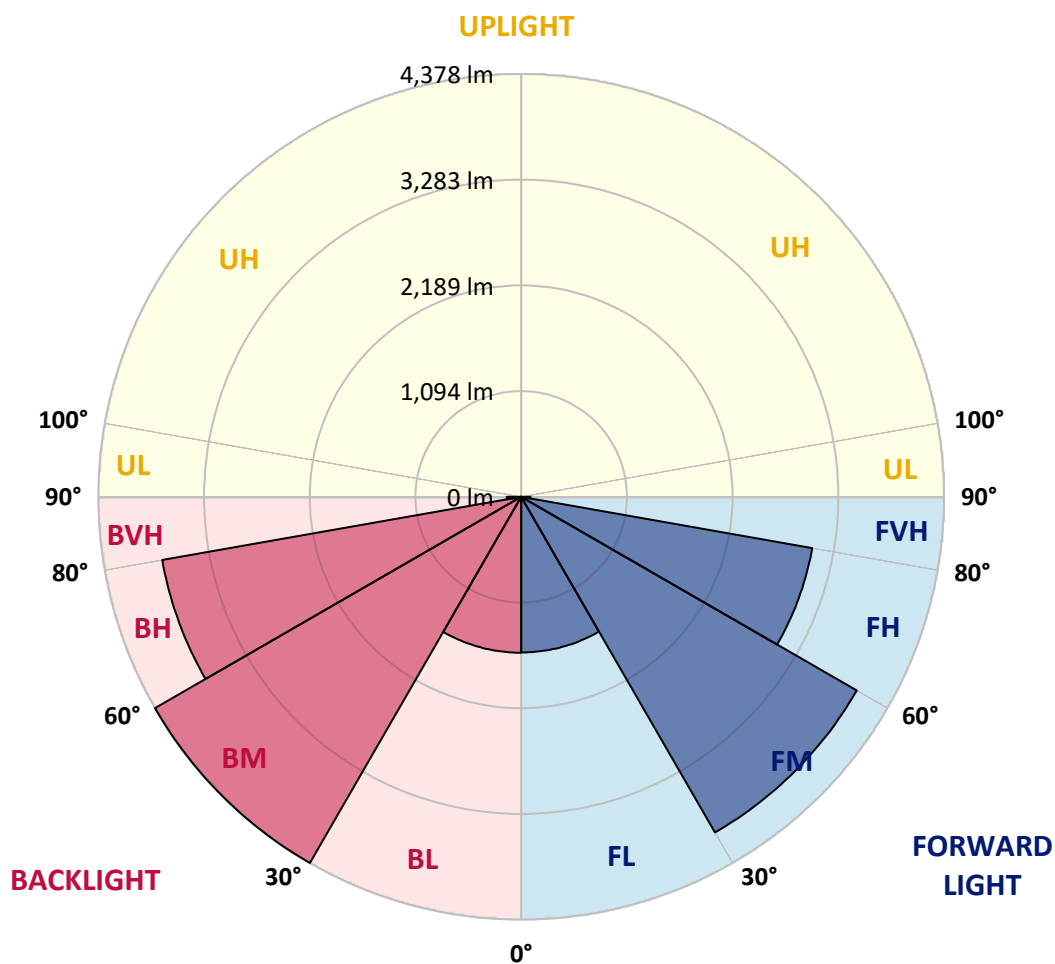
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1611.2	8.6			
FM	(30°-60°)	4012.6	21.5			
FH	(60°-80°)	3059.7	16.4			G2/5000
FVH	(80°-90°)	95.4	0.5			G1/100
BL	(0°-30°)	1614.6	8.6	B3/2500		
BM	(30°-60°)	4377.7	23.4	B3/5000		
BH	(60°-80°)	3773.0	20.2	B4/5000		G4/5000
BVH	(80°-90°)	148.3	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8
2.5°	3607.2	3597.6	3606.0	3607.2	3606.0	3606.0	3595.2	3592.8	3578.4	3582.0	3580.8
5°	3656.4	3652.8	3658.8	3661.2	3663.6	3658.8	3650.4	3646.8	3637.2	3633.6	3632.4
7.5°	3702.0	3696.0	3705.6	3714.0	3720.0	3721.2	3722.4	3716.4	3716.4	3711.6	3711.6
10°	3740.4	3735.6	3751.2	3762.0	3781.2	3792.0	3804.0	3812.4	3817.2	3818.4	3817.2
12.5°	3757.2	3753.6	3778.8	3811.2	3847.2	3872.4	3902.4	3924.0	3930.0	3928.8	3934.8
15°	3728.4	3730.8	3769.2	3832.8	3909.6	3973.2	4015.2	4033.2	4038.0	4040.4	4041.6
17.5°	3650.4	3655.2	3710.4	3813.6	3948.0	4063.2	4125.6	4125.6	4116.0	4116.0	4114.8
20°	3525.6	3530.4	3602.4	3751.2	3949.2	4125.6	4214.4	4196.4	4160.4	4153.2	4146.0
22.5°	3352.8	3372.0	3451.2	3624.0	3897.6	4143.6	4269.6	4243.2	4186.8	4171.2	4160.4
25°	3157.2	3154.8	3249.6	3444.0	3772.8	4100.4	4285.2	4280.4	4220.4	4203.6	4184.4
27.5°	2934.0	2941.2	3028.8	3225.6	3582.0	3975.6	4258.8	4322.4	4273.2	4256.4	4238.4
30°	2704.8	2712.0	2794.8	3024.0	3364.8	3796.8	4204.8	4363.2	4344.0	4330.8	4318.8
32.5°	2474.4	2476.8	2575.2	2821.2	3181.2	3583.2	4123.2	4400.4	4426.8	4420.8	4416.0
35°	2258.4	2260.8	2367.6	2617.2	3000.0	3400.8	4024.8	4454.4	4539.6	4546.8	4551.6
37.5°	2048.4	2052.0	2161.2	2422.8	2821.2	3262.8	3915.6	4537.2	4698.0	4724.4	4729.2
40°	1839.6	1843.2	1947.6	2224.8	2640.0	3141.6	3831.6	4653.6	4911.6	4947.6	4984.8
42.5°	1640.4	1653.6	1742.4	2007.6	2438.4	2991.6	3795.6	4795.2	5164.8	5221.2	5263.2
45°	1454.4	1455.6	1556.4	1804.8	2199.6	2788.8	3771.6	4956.0	5448.0	5533.2	5590.8
47.5°	1255.2	1269.6	1375.2	1616.4	1976.4	2538.0	3694.8	5144.4	5756.4	5856.0	5972.4
50°	1062.0	1082.4	1184.4	1423.2	1772.4	2278.8	3488.4	5365.2	6103.2	6232.8	6367.2
52.5°	876.0	874.8	982.8	1231.2	1567.2	2059.2	3153.6	5596.8	6504.0	6643.2	6788.4
55°	662.4	662.4	769.2	996.0	1345.2	1863.6	2794.8	5740.8	6876.0	7044.0	7202.4
57.5°	454.8	466.8	567.6	763.2	1113.6	1684.8	2520.0	5658.0	7160.4	7369.2	7557.6
60°	337.2	349.2	423.6	548.4	871.2	1473.6	2313.6	5268.0	7332.0	7609.2	7854.0
62.5°	291.6	300.0	370.8	439.2	627.6	1249.2	2131.2	4772.4	7579.2	7958.4	8299.2
65°	260.4	268.8	339.6	379.2	490.8	1004.4	2029.2	4489.2	7874.4	8454.0	8948.4
67.5°	241.2	250.8	310.8	339.6	428.4	908.4	1950.0	4423.2	7872.0	8575.2	9206.4
69°	231.6	238.8	288.0	319.2	414.0	879.6	1778.4	4136.4	7352.4	8107.2	8740.8
70°	225.6	232.8	274.8	306.0	409.2	828.0	1620.0	3757.2	6760.8	7520.4	8163.6
72.5°	206.4	213.6	244.8	273.6	340.8	553.2	1129.2	2404.8	4831.2	5373.6	6109.2
75°	182.4	190.8	214.8	238.8	258.0	320.4	651.6	1248.0	2762.4	3174.0	3829.2
77.5°	148.8	157.2	182.4	220.8	218.4	243.6	423.6	766.8	1293.6	1604.4	1846.8
80°	122.4	128.4	150.0	223.2	178.8	204.0	343.2	628.8	910.8	1006.8	1064.4
82.5°	81.6	90.0	116.4	175.2	136.8	145.2	256.8	588.0	770.4	844.8	914.4
85°	38.4	42.0	70.8	93.6	82.8	78.0	146.4	415.2	573.6	608.4	634.8
87.5°	0.0	0.0	3.6	7.2	10.8	10.8	26.4	87.6	160.8	194.4	192.0
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8
2.5°	3576.0	3577.2	3576.0	3576.0	3574.8	3572.4	3572.4	3570.0	3571.2	3570.0	3572.4
5°	3631.2	3631.2	3627.6	3625.2	3628.8	3625.2	3626.4	3620.4	3620.4	3616.8	3612.0
7.5°	3710.4	3710.4	3711.6	3704.4	3709.2	3710.4	3706.8	3704.4	3702.0	3696.0	3697.2
10°	3816.0	3816.0	3819.6	3810.0	3814.8	3817.2	3818.4	3818.4	3816.0	3805.2	3806.4
12.5°	3933.6	3931.2	3932.4	3927.6	3932.4	3934.8	3937.2	3934.8	3934.8	3932.4	3931.2
15°	4040.4	4039.2	4041.6	4038.0	4039.2	4041.6	4048.8	4047.6	4046.4	4039.2	4039.2
17.5°	4113.6	4110.0	4107.6	4106.4	4106.4	4105.2	4106.4	4106.4	4102.8	4101.6	4101.6
20°	4141.2	4131.6	4125.6	4122.0	4117.2	4114.8	4112.4	4113.6	4111.2	4107.6	4108.8
22.5°	4146.0	4132.8	4120.8	4110.0	4100.4	4094.4	4088.4	4086.0	4080.0	4076.4	4076.4
25°	4168.8	4148.4	4129.2	4111.2	4096.8	4083.6	4070.4	4060.8	4053.6	4045.2	4042.8
27.5°	4219.2	4197.6	4174.8	4152.0	4132.8	4106.4	4088.4	4069.2	4052.4	4039.2	4029.6
30°	4297.2	4275.6	4252.8	4226.4	4201.2	4173.6	4143.6	4120.8	4096.8	4070.4	4056.0
32.5°	4400.4	4386.0	4363.2	4338.0	4315.2	4286.4	4250.4	4215.6	4192.8	4161.6	4138.8
35°	4548.0	4531.2	4524.0	4513.2	4490.4	4472.4	4432.8	4400.4	4378.8	4335.6	4318.8
37.5°	4749.6	4748.4	4754.4	4750.8	4754.4	4731.6	4713.6	4712.4	4681.2	4639.2	4598.4
40°	5024.4	5038.8	5071.2	5094.0	5115.6	5118.0	5143.2	5116.8	5120.4	5114.4	5072.4
42.5°	5337.6	5386.8	5425.2	5492.4	5544.0	5592.0	5624.4	5668.8	5702.4	5732.4	5739.6
45°	5686.8	5760.0	5848.8	5908.8	6009.6	6090.0	6200.4	6285.6	6374.4	6462.0	6493.2
47.5°	6066.0	6157.2	6255.6	6367.2	6494.4	6620.4	6790.8	6921.6	7064.4	7183.2	7288.8
50°	6484.8	6579.6	6711.6	6840.0	7015.2	7160.4	7383.6	7555.2	7785.6	7944.0	8080.8
52.5°	6921.6	7040.4	7188.0	7329.6	7508.4	7694.4	7942.8	8196.0	8473.2	8713.2	8912.4
55°	7348.8	7495.2	7636.8	7802.4	8000.4	8216.4	8497.2	8830.8	9176.4	9451.2	9715.2
57.5°	7729.2	7898.4	8065.2	8233.2	8436.0	8686.8	9002.4	9362.4	9758.4	10124.4	10486.8
60°	8082.0	8284.8	8488.8	8698.8	8931.6	9241.2	9620.4	10063.2	10575.6	11076.0	11550.0
62.5°	8640.0	8906.4	9159.6	9430.8	9711.6	10075.2	10522.8	11103.6	11691.6	12316.8	12802.8
65°	9396.0	9770.4	10101.6	10453.2	10816.8	11302.8	11838.0	12532.8	13375.2	14016.0	14796.0
67.5°	9771.6	10264.8	10690.8	11082.0	11532.0	12022.8	12658.8	13480.8	14379.6	15308.4	16178.4
69°	9330.0	9838.8	10310.4	10748.4	11203.2	11679.6	12344.4	13188.0	14138.4	15142.8	15992.4
70°	8757.6	9266.4	9769.2	10268.4	10683.6	11148.0	11815.2	12685.2	13634.4	14678.4	15520.8
72.5°	6709.2	7321.2	7776.0	8244.0	8725.2	9118.8	9889.2	10622.4	11611.2	12670.8	13598.4
75°	4292.4	4855.2	5352.0	5750.4	6220.8	6692.4	7261.2	8076.0	8695.2	9565.2	10317.6
77.5°	2205.6	2372.4	2851.2	2994.0	3320.4	3577.2	3890.4	4094.4	4598.4	4705.2	5149.2
80°	1045.2	942.0	886.8	836.4	850.8	844.8	819.6	786.0	828.0	810.0	802.8
82.5°	910.8	812.4	648.0	550.8	476.4	404.4	348.0	319.2	322.8	332.4	336.0
85°	638.4	600.0	468.0	355.2	277.2	214.8	172.8	165.6	170.4	183.6	178.8
87.5°	184.8	193.2	170.4	118.8	82.8	60.0	46.8	52.8	50.4	49.2	51.6
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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CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8
2.5°	3572.4	3571.2	3567.6	3564.0	3564.0	3561.6	3564.0	3565.2	3564.0	3564.0	3561.6
5°	3613.2	3614.4	3618.0	3610.8	3609.6	3610.8	3606.0	3604.8	3601.2	3604.8	3600.0
7.5°	3691.2	3694.8	3694.8	3690.0	3688.8	3692.4	3685.2	3682.8	3679.2	3678.0	3676.8
10°	3807.6	3811.2	3805.2	3801.6	3798.0	3802.8	3796.8	3796.8	3793.2	3789.6	3788.4
12.5°	3937.2	3934.8	3932.4	3934.8	3931.2	3931.2	3927.6	3925.2	3924.0	3922.8	3920.4
15°	4038.0	4046.4	4046.4	4048.8	4046.4	4046.4	4041.6	4042.8	4040.4	4039.2	4040.4
17.5°	4102.8	4105.2	4111.2	4114.8	4114.8	4116.0	4113.6	4116.0	4113.6	4113.6	4118.4
20°	4111.2	4113.6	4119.6	4125.6	4129.2	4131.6	4131.6	4135.2	4137.6	4140.0	4146.0
22.5°	4077.6	4081.2	4088.4	4099.2	4105.2	4107.6	4112.4	4118.4	4124.4	4129.2	4137.6
25°	4042.8	4044.0	4051.2	4062.0	4069.2	4075.2	4083.6	4090.8	4099.2	4108.8	4118.4
27.5°	4023.6	4022.4	4028.4	4039.2	4045.2	4053.6	4060.8	4071.6	4081.2	4093.2	4101.6
30°	4040.4	4030.8	4032.0	4036.8	4041.6	4047.6	4056.0	4065.6	4076.4	4087.2	4096.8
32.5°	4114.8	4093.2	4078.8	4075.2	4076.4	4077.6	4082.4	4088.4	4096.8	4105.2	4108.8
35°	4275.6	4238.4	4219.2	4203.6	4190.4	4179.6	4182.0	4180.8	4180.8	4188.0	4179.6
37.5°	4581.6	4534.8	4514.4	4486.8	4471.2	4431.6	4420.8	4418.4	4402.8	4402.8	4384.8
40°	5061.6	5034.0	5018.4	4993.2	4917.6	4927.2	4873.2	4874.4	4830.0	4834.8	4803.6
42.5°	5744.4	5748.0	5728.8	5712.0	5653.2	5626.8	5576.4	5504.4	5448.0	5446.8	5384.4
45°	6534.0	6577.2	6516.0	6537.6	6486.0	6415.2	6356.4	6264.0	6176.4	6148.8	6085.2
47.5°	7359.6	7430.4	7383.6	7392.0	7366.8	7266.0	7186.8	7072.8	6958.8	6882.0	6843.6
50°	8241.6	8288.4	8287.2	8264.4	8252.4	8154.0	8026.8	7940.4	7856.4	7753.2	7719.6
52.5°	9040.8	9150.0	9223.2	9206.4	9171.6	9112.8	9000.0	8925.6	8802.0	8787.6	8802.0
55°	9896.4	10038.0	10112.4	10202.4	10203.6	10192.8	10146.0	10118.4	10003.2	10016.4	9999.6
57.5°	10706.4	10914.0	11028.0	11220.0	11286.0	11373.6	11341.2	11377.2	11307.6	11353.2	11340.0
60°	11804.4	12092.4	12282.0	12544.8	12667.2	12886.8	12930.0	12956.4	12994.8	13088.4	13035.6
62.5°	13185.6	13608.0	14001.6	14359.2	14476.8	14806.8	14860.8	15067.2	15078.0	15141.6	15025.2
65°	15446.4	15961.2	16394.4	16822.8	17070.0	17456.4	17612.4	18013.2	17890.8	17942.4	17694.0
67.5°	16927.2	17526.0	18106.8	18512.4	18922.8	19317.6	19602.0	19861.2	19858.8	19808.4	19587.6
69°	16796.4	17463.6	18036.0	18579.6	19011.6	19417.2	19759.2	19927.2	19986.0	19912.8	19755.6
70°	16344.0	17029.2	17730.0	18177.6	18648.0	19093.2	19446.0	19629.6	19670.4	19618.8	19483.2
72.5°	14253.6	14911.2	15684.0	16090.8	16659.6	16981.2	17467.2	17704.8	17746.8	17680.8	17592.0
75°	11124.0	11242.8	12030.0	12289.2	12702.0	13072.8	13375.2	13298.4	13513.2	13471.2	13437.6
77.5°	5240.4	4923.6	5433.6	5671.2	5546.4	5214.0	5697.6	5348.4	5580.0	5881.2	5804.4
80°	864.0	861.6	884.4	934.8	874.8	928.8	927.6	901.2	903.6	968.4	934.8
82.5°	332.4	339.6	343.2	352.8	352.8	354.0	360.0	367.2	361.2	373.2	370.8
85°	180.0	192.0	181.2	172.8	178.8	182.4	187.2	193.2	187.2	205.2	195.6
87.5°	46.8	49.2	43.2	43.2	42.0	38.4	38.4	40.8	44.4	52.8	57.6
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-E06-LED-E-U-RW

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8
2.5°	3556.8	3558.0	3559.2	3555.6	3553.2	3553.2	3552.0	3549.6	3548.4	3548.4	3548.4
5°	3597.6	3600.0	3594.0	3592.8	3590.4	3588.0	3588.0	3585.6	3586.8	3586.8	3580.8
7.5°	3679.2	3675.6	3668.4	3663.6	3668.4	3660.0	3656.4	3658.8	3656.4	3657.6	3655.2
10°	3788.4	3788.4	3780.0	3784.8	3778.8	3769.2	3772.8	3769.2	3766.8	3758.4	3763.2
12.5°	3924.0	3920.4	3915.6	3904.8	3901.2	3900.0	3889.2	3890.4	3886.8	3884.4	3880.8
15°	4042.8	4041.6	4030.8	4024.8	4023.6	4018.8	4014.0	4011.6	4005.6	4004.4	4002.0
17.5°	4122.0	4118.4	4113.6	4107.6	4107.6	4100.4	4098.0	4092.0	4090.8	4087.2	4083.6
20°	4148.4	4149.6	4144.8	4140.0	4137.6	4132.8	4129.2	4124.4	4122.0	4117.2	4113.6
22.5°	4142.4	4142.4	4137.6	4136.4	4131.6	4124.4	4119.6	4113.6	4107.6	4101.6	4094.4
25°	4123.2	4122.0	4118.4	4112.4	4106.4	4095.6	4086.0	4076.4	4068.0	4060.8	4050.0
27.5°	4106.4	4104.0	4096.8	4088.4	4076.4	4064.4	4046.4	4033.2	4022.4	4012.8	4000.8
30°	4100.4	4092.0	4081.2	4068.0	4053.6	4035.6	4016.4	3999.6	3987.6	3978.0	3973.2
32.5°	4107.6	4096.8	4080.0	4063.2	4045.2	4023.6	4004.4	3990.0	3979.2	3976.8	3976.8
35°	4173.6	4155.6	4132.8	4108.8	4086.0	4068.0	4054.8	4053.6	4046.4	4054.8	4068.0
37.5°	4366.8	4351.2	4316.4	4285.2	4269.6	4261.2	4249.2	4251.6	4234.8	4261.2	4282.8
40°	4777.2	4758.0	4717.2	4692.0	4660.8	4630.8	4654.8	4647.6	4659.6	4654.8	4677.6
42.5°	5376.0	5356.8	5292.0	5282.4	5269.2	5257.2	5257.2	5247.6	5242.8	5259.6	5240.4
45°	6104.4	6066.0	6042.0	6070.8	6031.2	6043.2	6085.2	6028.8	6042.0	5964.0	5892.0
47.5°	6860.4	6856.8	6850.8	6885.6	6891.6	6909.6	6932.4	6874.8	6770.4	6711.6	6565.2
50°	7730.4	7767.6	7782.0	7815.6	7830.0	7843.2	7807.2	7722.0	7545.6	7389.6	7216.8
52.5°	8787.6	8722.8	8811.6	8844.0	8829.6	8776.8	8647.2	8542.8	8299.2	8074.8	7807.2
55°	10018.8	10034.4	9972.0	9946.8	9897.6	9751.2	9572.4	9337.2	9028.8	8736.0	8397.6
57.5°	11272.8	11266.8	11169.6	11032.8	10866.0	10689.6	10423.2	10086.0	9726.0	9332.4	8923.2
60°	12798.0	12792.0	12595.2	12361.2	12123.6	11839.2	11421.6	11016.0	10533.6	10016.4	9529.2
62.5°	14802.0	14544.0	14350.8	14001.6	13634.4	13262.4	12697.2	12158.4	11514.0	10861.2	10292.4
65°	17370.0	16945.2	16725.6	16219.2	15650.4	15069.6	14494.8	13786.8	12919.2	12129.6	11434.8
67.5°	19269.6	18880.8	18478.8	17973.6	17349.6	16701.6	15914.4	15022.8	14037.6	13152.0	12394.8
69°	19436.4	19072.8	18590.4	18084.0	17493.6	16789.2	15930.0	14931.6	13933.2	13036.8	12291.6
70°	19183.2	18796.8	18289.2	17762.4	17102.4	16437.6	15537.6	14497.2	13497.6	12598.8	11871.6
72.5°	17294.4	16917.6	16377.6	15747.6	15070.8	14502.0	13647.6	12562.8	11475.6	10645.2	10078.8
75°	13150.8	13068.0	12685.2	12318.0	11785.2	11150.4	10369.2	9639.6	8748.0	7869.6	7341.6
77.5°	5611.2	5802.0	6001.2	6030.0	6049.2	5853.6	5732.4	5548.8	4952.4	4681.2	4401.6
80°	1036.8	926.4	988.8	996.0	1036.8	1058.4	1137.6	1348.8	1372.8	1424.4	1488.0
82.5°	368.4	374.4	384.0	387.6	391.2	405.6	459.6	550.8	633.6	741.6	885.6
85°	208.8	212.4	220.8	228.0	232.8	247.2	277.2	331.2	412.8	536.4	727.2
87.5°	63.6	72.0	76.8	86.4	90.0	92.4	105.6	141.6	182.4	270.0	393.6
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-E06-LED-E-U-RW

CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8
2.5°	3548.4	3547.2	3544.8	3542.4	3543.6	3541.2	3534.0	3531.6	3523.2	3517.2	3512.4
5°	3580.8	3579.6	3574.8	3576.0	3574.8	3562.8	3554.4	3540.0	3531.6	3518.4	3513.6
7.5°	3648.0	3646.8	3638.4	3642.0	3639.6	3621.6	3607.2	3584.4	3572.4	3555.6	3542.4
10°	3748.8	3748.8	3739.2	3740.4	3740.4	3716.4	3691.2	3652.8	3625.2	3598.8	3576.0
12.5°	3871.2	3866.4	3865.2	3859.2	3854.4	3828.0	3789.6	3738.0	3686.4	3643.2	3612.0
15°	3994.8	3987.6	3984.0	3976.8	3970.8	3946.8	3895.2	3831.6	3762.0	3692.4	3640.8
17.5°	4075.2	4070.4	4063.2	4060.8	4052.4	4028.4	3992.4	3928.8	3842.4	3745.2	3667.2
20°	4105.2	4096.8	4092.0	4087.2	4082.4	4065.6	4065.6	4024.8	3928.8	3792.0	3673.2
22.5°	4086.0	4081.2	4074.0	4070.4	4065.6	4068.0	4114.8	4108.8	3998.4	3802.8	3630.0
25°	4041.6	4035.6	4029.6	4029.6	4028.4	4053.6	4166.4	4182.0	4018.8	3750.0	3535.2
27.5°	3996.0	3987.6	3990.0	3991.2	3997.2	4051.2	4222.8	4201.2	3963.6	3622.8	3372.0
30°	3968.4	3968.4	3974.4	3984.0	3996.0	4090.8	4267.2	4158.0	3820.8	3430.8	3156.0
32.5°	3980.4	3992.4	4005.6	4029.6	4047.6	4178.4	4282.8	4046.4	3613.2	3193.2	2930.4
35°	4087.2	4101.6	4126.8	4164.0	4185.6	4304.4	4282.8	3883.2	3372.0	2989.2	2697.6
37.5°	4320.0	4334.4	4364.4	4393.2	4414.8	4462.8	4264.8	3675.6	3170.4	2778.0	2488.8
40°	4694.4	4714.8	4736.4	4731.6	4717.2	4670.4	4228.8	3482.4	2984.4	2593.2	2283.6
42.5°	5221.2	5202.0	5199.6	5152.8	5104.8	4904.4	4202.4	3356.4	2824.8	2398.8	2079.6
45°	5829.6	5751.6	5671.2	5608.8	5535.6	5161.2	4195.2	3254.4	2648.4	2182.8	1857.6
47.5°	6441.6	6316.8	6160.8	6063.6	5944.8	5434.8	4216.8	3117.6	2421.6	1947.6	1650.0
50°	7041.6	6837.6	6644.4	6528.0	6393.6	5749.2	4251.6	2887.2	2150.4	1734.0	1460.4
52.5°	7597.2	7334.4	7136.4	6999.6	6835.2	6115.2	4220.4	2584.8	1915.2	1528.8	1280.4
55°	8125.2	7834.8	7629.6	7485.6	7292.4	6482.4	3994.8	2310.0	1690.8	1328.4	1077.6
57.5°	8587.2	8308.8	8095.2	7899.6	7736.4	6801.6	3549.6	2083.2	1474.8	1099.2	858.0
60°	9127.2	8814.0	8560.8	8352.0	8160.0	6966.0	3050.4	1881.6	1244.4	850.8	620.4
62.5°	9855.6	9495.6	9202.8	8964.0	8713.2	7002.0	2709.6	1680.0	987.6	615.6	451.2
65°	10935.6	10491.6	10125.6	9796.8	9457.2	6853.2	2541.6	1460.4	734.4	457.2	378.0
67.5°	11793.6	11332.8	10909.2	10486.8	10052.4	6577.2	2504.4	1257.6	564.0	388.8	339.6
69°	11689.2	11250.0	10861.2	10404.0	9922.8	6230.4	2467.2	1179.6	514.8	361.2	321.6
70°	11287.2	10870.8	10476.0	10104.0	9514.8	5844.0	2368.8	1136.4	495.6	348.0	308.4
72.5°	9537.6	9055.2	8672.4	8209.2	7588.8	4342.8	1796.4	919.2	454.8	318.0	278.4
75°	6956.4	6556.8	6175.2	5662.8	5059.2	2512.8	1118.4	525.6	333.6	288.0	252.0
77.5°	4062.0	3972.0	3603.6	3266.4	2668.8	1279.2	642.0	314.4	259.2	261.6	222.0
80°	1528.8	1628.4	1665.6	1549.2	1431.6	883.2	466.8	255.6	225.6	258.0	188.4
82.5°	1114.8	1293.6	1315.2	1260.0	1172.4	823.2	373.2	205.2	183.6	277.2	162.0
85°	930.0	1029.6	1045.2	987.6	958.8	697.2	260.4	144.0	134.4	199.2	121.2
87.5°	470.4	495.6	508.8	460.8	463.2	325.2	104.4	61.2	73.2	85.2	67.2
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: P158020

CATALOG NUMBER: VST-E06-LED-E-U-RW

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	3550.8	3550.8
2.5°	3501.6	3508.8
5°	3506.4	3506.4
7.5°	3534.0	3534.0
10°	3564.0	3565.2
12.5°	3591.6	3590.4
15°	3613.2	3609.6
17.5°	3626.4	3622.8
20°	3613.2	3607.2
22.5°	3546.0	3529.2
25°	3423.6	3402.0
27.5°	3261.6	3247.2
30°	3050.4	3028.8
32.5°	2803.2	2792.4
35°	2566.8	2553.6
37.5°	2350.8	2347.2
40°	2168.4	2149.2
42.5°	1954.8	1946.4
45°	1737.6	1732.8
47.5°	1533.6	1528.8
50°	1345.2	1335.6
52.5°	1160.4	1144.8
55°	955.2	944.4
57.5°	733.2	723.6
60°	516.0	505.2
62.5°	367.2	355.2
65°	306.0	296.4
67.5°	277.2	266.4
69°	264.0	254.4
70°	255.6	248.4
72.5°	237.6	232.8
75°	217.2	213.6
77.5°	190.8	184.8
80°	159.6	153.6
82.5°	134.4	128.4
85°	90.0	81.6
87.5°	40.8	36.0
90°	0.0	0.0

(END OF REPORT)