

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: McGRAW-EDISON

Report Number: P158185

Luminaire Tested: **VTS-F11-LED-E1-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158185  
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: MCGRAW-EDISON  
Catalog Number: VTS-F11-LED-E1-SL2  
Description: VENTUS LED SITE LUMINAIRE  
(11) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (77) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

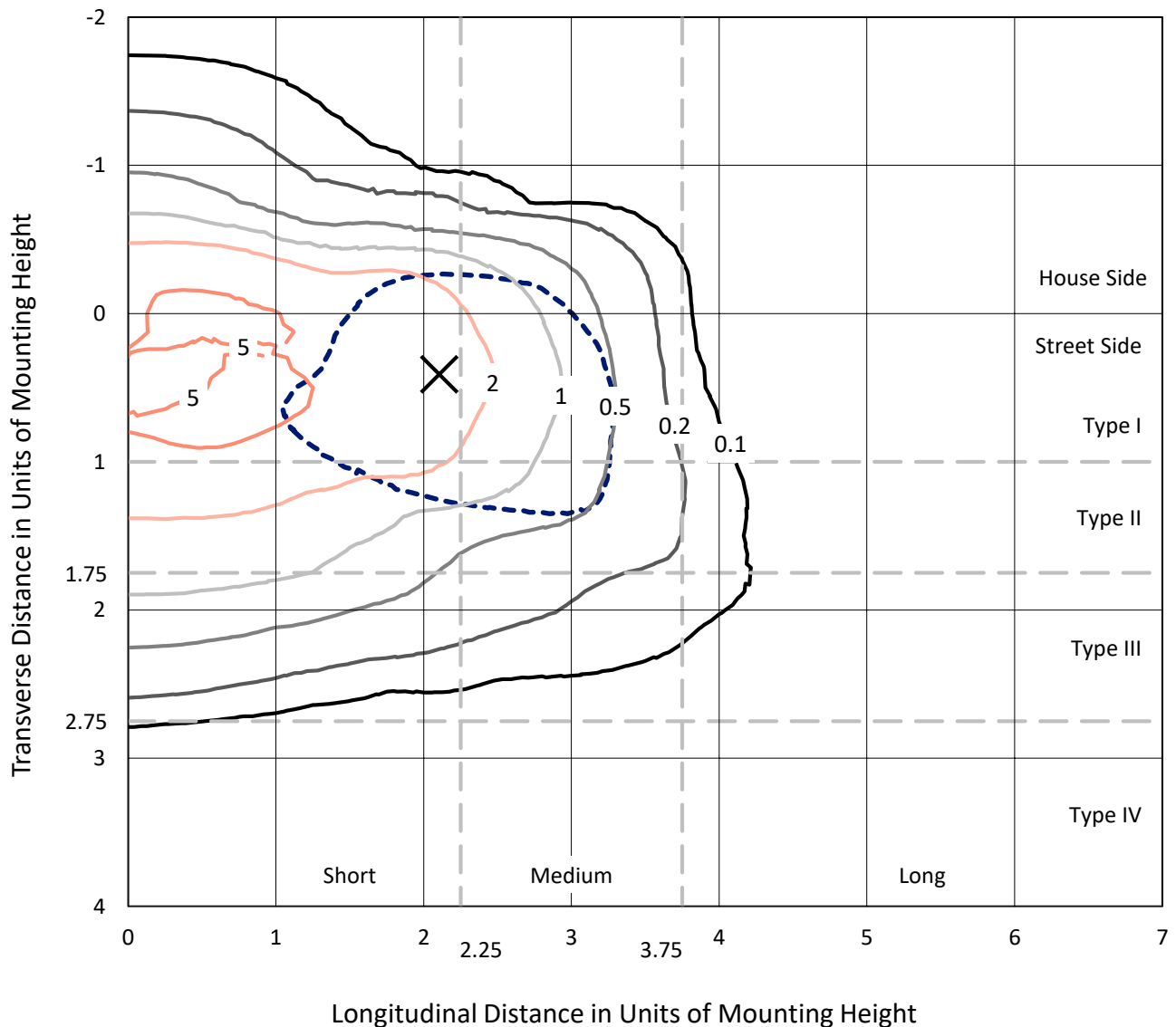
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27321.9 lumens  
Efficiency: N/A  
Efficacy: 96.6 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 (A<sub>in</sub>): 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: 25 FT

REPORT NUMBER: P158185  
 CATALOG NUMBER: VTS-F11-LED-E1-SL2

### Iso-Footcandle Lines of Horizontal Illumination

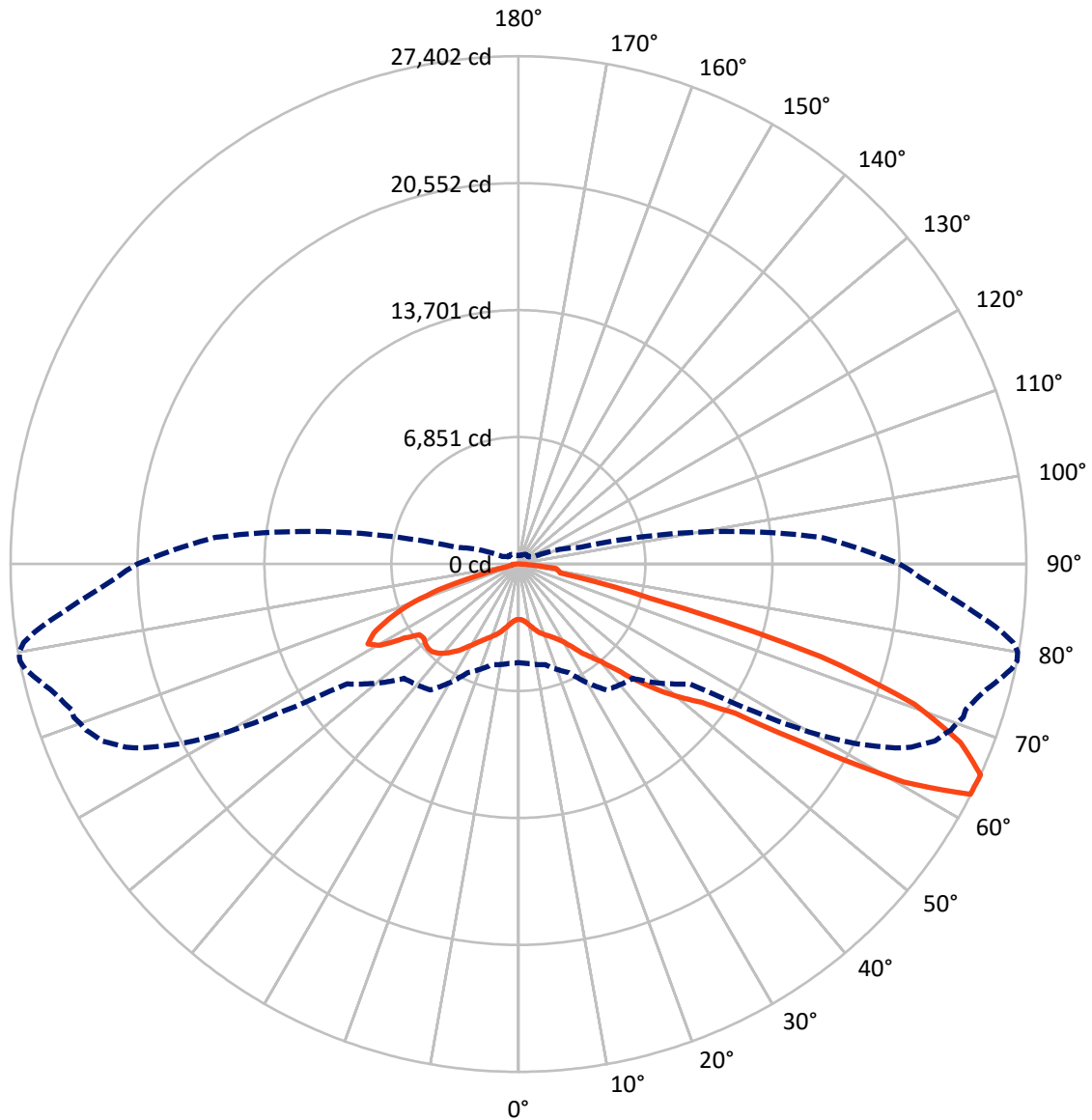
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158185  
CATALOG NUMBER: VTS-F11-LED-E1-SL2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P158185

CATALOG NUMBER: VTS-F11-LED-E1-SL2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6278.1	0.0	6278.1
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	21043.8	0.0	21043.8
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	27321.9	0.0	27321.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.8	1.1
10°-20°	960.6	3.5
20°-30°	1655.9	6.1
30°-40°	2712.4	9.9
40°-50°	4542.4	16.6
50°-60°	6144.2	22.5
60°-70°	7566.6	27.7
70°-80°	2928.9	10.7
80°-90°	515.1	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°	27321.9	100.0
0°-180°	27321.9	100.0



REPORT NUMBER: P158185

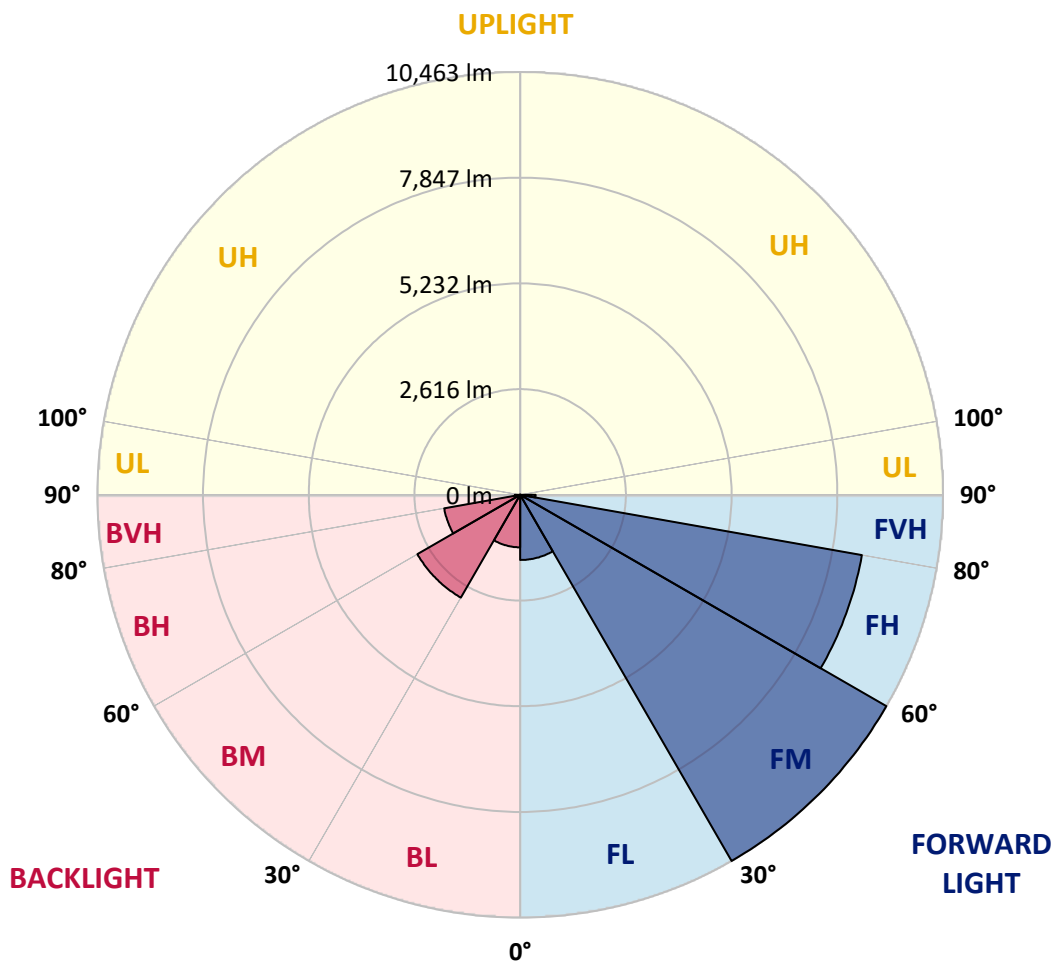
CATALOG NUMBER: VTS-F11-LED-E1-SL2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1613.0	5.9			
FM	(30°-60°)	10463.1	38.3			
FH	(60°-80°)	8585.5	31.4			G4/12000
FVH	(80°-90°)	382.2	1.4			G3/500
BL	(0°-30°)	1299.3	4.8	B3/2500		
BM	(30°-60°)	2935.9	10.7	B3/5000		
BH	(60°-80°)	1910.0	7.0	B3/2500		G3/2500
BVH	(80°-90°)	132.9	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





REPORT NUMBER: P158185  
 CATALOG NUMBER: VTS-F11-LED-E1-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4
2.5°	2994.8	2985.8	2994.8	3002.1	3007.6	3014.8	3013.0	3011.2	3009.4	3011.2	3011.2
5°	3020.3	3018.4	3027.5	3034.8	3047.5	3056.6	3067.5	3067.5	3067.5	3065.7	3069.3
7.5°	3102.0	3100.2	3109.3	3116.5	3127.4	3145.6	3160.1	3167.4	3165.6	3165.6	3165.6
10°	3236.4	3229.1	3229.1	3229.1	3243.7	3256.4	3289.1	3292.7	3300.0	3296.3	3298.1
12.5°	3367.2	3369.0	3363.5	3358.1	3359.9	3385.3	3432.5	3441.6	3443.4	3448.9	3452.5
15°	3485.2	3483.4	3470.7	3458.0	3474.3	3517.9	3579.6	3596.0	3596.0	3606.9	3614.1
17.5°	3594.2	3590.5	3566.9	3545.1	3561.5	3635.9	3732.2	3743.1	3759.4	3764.9	3772.2
20°	3723.1	3715.9	3688.6	3630.5	3630.5	3732.2	3859.3	3870.2	3884.8	3888.4	3901.1
22.5°	3902.9	3884.8	3826.6	3721.3	3692.2	3810.3	3966.5	3971.9	3982.8	3997.4	4008.3
25°	4106.3	4110.0	4015.5	3832.1	3768.5	3892.0	4070.0	4079.1	4099.1	4110.0	4122.7
27.5°	4317.0	4322.4	4217.1	3988.3	3881.1	4004.6	4209.8	4220.7	4244.4	4257.1	4277.0
30°	4556.7	4564.0	4462.3	4231.6	4068.2	4169.9	4416.9	4445.9	4465.9	4482.3	4515.0
32.5°	5132.5	5088.9	5018.0	4772.9	4515.0	4507.7	4751.1	4783.8	4811.0	4845.5	4876.4
35°	5857.1	5884.3	5920.7	5755.4	5528.4	5363.1	5383.1	5364.9	5390.3	5441.2	5472.1
37.5°	6431.0	6490.9	6648.9	6756.1	6747.0	6714.3	6409.2	6409.2	6425.6	6398.3	6394.7
40°	6881.4	6919.5	7242.8	7658.7	8009.2	8181.8	7940.2	7905.7	7923.9	7784.0	7789.5
42.5°	7113.9	7170.2	7635.1	8365.2	9060.8	9614.7	9540.3	9516.7	9462.2	9427.7	9405.9
45°	7231.9	7299.1	7853.1	8855.6	9869.0	10724.4	11109.4	11105.8	11056.8	11016.8	10998.6
47.5°	7172.0	7230.1	7820.4	9004.5	10294.0	11440.0	12291.7	12344.4	12329.9	12388.0	12411.6
50°	6779.7	6854.2	7446.2	8683.0	10116.0	11721.5	13110.8	13208.9	13341.5	13425.0	13535.8
52.5°	6425.6	6487.3	7021.3	8161.8	9531.2	11492.6	13604.8	13806.4	13988.0	14158.7	14291.3
55°	6055.1	6116.8	6585.4	7620.6	8940.9	10817.0	13830.0	14124.2	14407.6	14696.3	14961.5
57.5°	5915.2	5980.6	6329.3	7201.1	8457.8	10146.9	13940.8	14423.9	14885.2	15375.6	15884.1
60°	6278.4	6336.6	6601.7	7212.0	8089.2	9476.7	13717.4	14476.6	15270.2	16078.4	16859.4
62.5°	6167.7	6198.5	6529.1	7475.3	8559.5	8815.6	12749.4	13751.9	14905.2	16089.3	17286.2
65°	5321.3	5381.3	5630.1	6461.9	8296.2	8726.6	11274.7	12282.7	13643.0	15043.2	16646.9
67.5°	3817.6	3734.0	3926.5	4654.8	6436.5	8712.1	9614.7	10361.2	11427.2	12500.6	13815.5
70°	1734.4	1694.5	1845.2	2420.9	3882.9	6885.0	8129.1	8381.6	8777.5	9500.3	10388.4
72.5°	684.7	682.9	780.9	1000.7	1836.1	4431.4	6836.0	6981.3	7121.1	7435.3	7818.5
75°	448.6	448.6	477.6	539.4	904.4	2139.4	5782.6	5915.2	6129.5	6218.5	6382.0
77.5°	337.8	339.6	352.3	366.9	499.4	1126.0	4080.9	4551.3	4914.5	5185.1	5383.1
80°	239.7	250.6	274.2	283.3	325.1	641.1	2306.5	2646.1	3056.6	3494.3	4044.6
82.5°	179.8	192.5	232.5	243.4	257.9	365.0	1040.7	1180.5	1378.5	1787.1	2569.9
85°	83.5	92.6	159.8	174.4	187.1	210.7	528.5	590.3	670.2	733.7	855.4
87.5°	12.7	9.1	27.2	38.1	59.9	61.7	181.6	216.1	234.3	281.5	292.4
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: P158185

CATALOG NUMBER: VTS-F11-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4
2.5°	3011.2	3013.0	3014.8	3011.2	3013.0	3013.0	3009.4	3007.6	3007.6	3007.6	3009.4
5°	3069.3	3072.9	3069.3	3071.1	3078.4	3076.6	3072.9	3071.1	3078.4	3080.2	3074.8
7.5°	3172.8	3174.6	3167.4	3176.5	3180.1	3181.9	3181.9	3185.5	3185.5	3191.0	3185.5
10°	3305.4	3305.4	3318.1	3316.3	3318.1	3321.7	3323.6	3330.8	3336.3	3336.3	3339.9
12.5°	3458.0	3459.8	3472.5	3474.3	3481.6	3483.4	3494.3	3487.0	3505.2	3505.2	3510.6
15°	3616.0	3628.7	3630.5	3648.7	3652.3	3654.1	3668.6	3668.6	3681.3	3683.2	3686.8
17.5°	3772.2	3783.1	3790.3	3804.8	3817.6	3823.0	3828.5	3839.4	3848.4	3852.1	3861.1
20°	3906.5	3917.4	3924.7	3939.2	3950.1	3959.2	3964.7	3977.4	3986.5	3990.1	4002.8
22.5°	4019.2	4026.4	4039.1	4059.1	4062.7	4073.6	4090.0	4099.1	4102.7	4113.6	4128.1
25°	4139.0	4149.9	4157.2	4175.3	4189.9	4208.0	4222.6	4237.1	4240.7	4255.3	4268.0
27.5°	4298.8	4309.7	4311.6	4347.9	4362.4	4387.8	4404.2	4426.0	4436.9	4449.6	4475.0
30°	4534.9	4560.4	4571.3	4613.0	4620.3	4649.4	4678.4	4685.7	4702.0	4703.8	4745.6
32.5°	4896.4	4932.7	4947.2	4990.8	5001.7	5028.9	5045.3	5083.4	5085.2	5103.4	5112.5
35°	5488.4	5479.3	5535.6	5546.5	5579.2	5602.8	5619.2	5619.2	5653.7	5655.5	5666.4
37.5°	6296.6	6278.4	6293.0	6227.6	6243.9	6214.9	6209.4	6216.7	6202.2	6205.8	6204.0
40°	7589.7	7508.0	7422.6	7221.0	7177.4	7093.9	7028.5	6975.9	6925.0	6870.5	6834.2
42.5°	9211.5	9093.5	8966.4	8643.1	8492.3	8330.7	8172.7	8081.9	7900.3	7789.5	7729.6
45°	10911.5	10773.4	10595.4	10326.7	10112.4	9939.8	9651.0	9514.8	9233.3	9093.5	8904.6
47.5°	12304.4	12306.3	12162.8	11890.4	11661.5	11547.1	11367.3	11104.0	10784.3	10604.5	10268.5
50°	13523.1	13521.3	13512.2	13348.7	13188.9	13063.6	12905.6	12667.7	12406.2	12202.7	11817.7
52.5°	14423.9	14543.8	14594.6	14592.8	14572.8	14514.7	14394.8	14189.6	13924.5	13810.0	13503.1
55°	15168.5	15430.1	15566.3	15864.1	15891.4	15987.6	15882.3	15884.1	15727.9	15738.8	15640.7
57.5°	16296.4	16774.0	17048.2	17707.5	18038.0	18437.6	18366.8	18700.9	18822.6	18977.0	19182.2
60°	17576.7	18468.5	19118.7	20429.9	20963.9	21610.4	21966.4	22346.0	22622.0	22905.3	23114.2
62.5°	18492.1	19663.5	20731.4	22600.2	23294.0	23975.1	24423.7	24883.1	25193.7	25397.1	25547.9
65°	18118.0	19412.9	20675.1	22634.7	23390.3	23884.3	24418.2	24683.4	24993.9	25162.8	25378.9
67.5°	15395.5	16694.1	18047.1	20359.1	21149.1	21832.0	22247.9	22591.1	22841.8	23056.1	23304.9
70°	11449.0	12869.3	14267.7	16803.1	17800.1	18786.3	19276.7	19701.6	19963.2	20179.3	20453.5
72.5°	8239.9	9129.8	10003.4	12842.0	13839.1	15114.0	15622.6	16094.8	16434.4	16423.5	16714.1
75°	6560.0	6921.4	7310.0	8775.7	9491.2	10566.4	10851.5	11116.7	10956.9	10649.9	10631.8
77.5°	5461.2	5610.1	5740.9	6200.4	6305.7	6561.8	6420.1	6273.0	5799.0	5399.4	5188.8
80°	4433.2	4727.5	4920.0	5246.9	5381.3	5457.5	5477.5	5426.7	5252.3	5010.8	4625.7
82.5°	3296.3	3855.7	4237.1	4880.0	5116.1	5165.1	5259.6	5201.5	5087.0	4890.9	4614.8
85°	966.2	1093.3	1253.1	1699.9	1992.3	2241.1	2495.4	2620.7	2698.8	2589.8	2304.7
87.5°	339.6	383.2	428.6	590.3	628.4	759.2	744.6	879.0	884.5	922.6	882.7
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: P158185

CATALOG NUMBER: VTS-F11-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4
2.5°	3007.6	3007.6	3007.6	3009.4	3009.4	3009.4	3005.7	3003.9	3005.7	3009.4	3009.4
5°	3078.4	3080.2	3083.8	3076.6	3078.4	3083.8	3080.2	3078.4	3080.2	3083.8	3080.2
7.5°	3192.8	3194.6	3191.0	3198.2	3198.2	3201.9	3207.3	3201.9	3203.7	3205.5	3207.3
10°	3341.7	3343.5	3347.2	3352.6	3354.4	3358.1	3361.7	3367.2	3367.2	3363.5	3372.6
12.5°	3519.7	3517.9	3521.5	3528.8	3532.4	3537.9	3548.8	3548.8	3556.0	3554.2	3563.3
15°	3694.1	3703.1	3705.0	3717.7	3723.1	3732.2	3744.9	3752.2	3752.2	3763.1	3766.7
17.5°	3868.4	3875.7	3882.9	3893.8	3901.1	3906.5	3921.1	3930.2	3928.3	3948.3	3948.3
20°	4002.8	4017.3	4026.4	4033.7	4046.4	4055.5	4066.4	4077.3	4084.5	4097.2	4100.9
22.5°	4133.6	4142.6	4155.4	4164.4	4179.0	4189.9	4202.6	4211.7	4224.4	4240.7	4246.2
25°	4278.9	4293.4	4307.9	4320.6	4331.5	4344.2	4366.0	4386.0	4404.2	4418.7	4424.2
27.5°	4480.5	4496.8	4518.6	4527.7	4544.0	4554.9	4587.6	4613.0	4622.1	4647.5	4654.8
30°	4752.9	4771.0	4792.8	4803.7	4832.8	4847.3	4881.8	4909.1	4918.1	4949.0	4954.5
32.5°	5147.0	5157.9	5201.5	5199.7	5239.6	5281.4	5301.4	5323.1	5363.1	5379.5	5384.9
35°	5693.6	5719.1	5749.9	5748.1	5799.0	5822.6	5862.5	5886.2	5915.2	5913.4	5944.3
37.5°	6222.1	6231.2	6242.1	6265.7	6302.1	6334.7	6349.3	6372.9	6394.7	6427.4	6467.3
40°	6797.9	6819.7	6821.5	6834.2	6852.4	6894.1	6921.4	6946.8	7021.3	7068.5	7092.1
42.5°	7660.5	7655.1	7618.8	7642.4	7653.3	7716.8	7736.8	7814.9	7898.5	7998.3	8025.6
45°	8770.2	8697.6	8675.8	8666.7	8724.8	8757.5	8839.2	8984.5	9071.7	9166.1	9211.5
47.5°	10136.0	9908.9	9801.8	9778.2	9838.1	9978.0	10005.2	10148.7	10263.1	10332.1	10377.5
50°	11503.5	11325.5	11100.3	11024.1	11007.7	11136.7	11167.5	11287.4	11403.6	11423.6	11400.0
52.5°	13221.6	12931.0	12558.7	12424.3	12317.2	12326.2	12351.7	12402.5	12477.0	12446.1	12382.5
55°	15419.2	15088.6	14905.2	14650.9	14489.3	14460.2	14349.4	14196.9	14191.4	14211.4	14020.7
57.5°	19078.7	18940.7	19018.8	18991.5	18831.7	18928.0	18428.5	18286.9	18174.3	17978.1	17801.9
60°	23299.5	23441.1	23602.7	23975.1	23958.7	24332.8	23986.0	23898.8	23793.4	23188.7	22892.6
62.5°	25811.2	25867.5	26105.4	26452.3	26793.7	27151.5	27313.2	27369.5	27149.7	26655.7	26038.2
65°	25373.5	25622.3	25853.0	26152.6	26503.1	26860.9	27202.4	27402.1	27351.3	27024.4	26345.1
67.5°	23384.8	23646.3	23984.1	24298.3	24676.1	24986.7	25360.8	25727.6	25738.5	25575.1	25102.9
70°	20482.6	20785.9	21134.6	21310.8	21719.4	22000.9	22311.5	22674.7	22792.7	22812.7	22262.4
72.5°	16652.3	16779.5	16950.2	16857.5	16939.3	17119.1	17035.5	17064.6	16616.0	16699.5	16020.3
75°	10141.4	10025.2	9509.4	9039.0	8465.1	8023.8	8129.1	7286.4	6456.4	6414.7	5815.3
77.5°	5143.4	4958.1	4638.5	4306.1	3819.4	3261.8	2796.9	2295.6	1872.5	1630.9	1400.3
80°	4380.6	4249.8	4073.6	3832.1	3477.9	3065.7	2580.8	2199.4	1845.2	1476.5	1182.3
82.5°	4191.7	3792.1	3536.1	3334.5	2951.3	2569.9	2304.7	2043.2	1792.5	1565.5	1240.4
85°	2079.5	1839.8	1556.4	1380.3	1062.5	831.8	779.1	641.1	597.5	461.3	388.7
87.5°	699.2	572.1	426.8	359.6	287.0	234.3	230.7	205.2	203.4	185.2	170.7
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: P158185

CATALOG NUMBER: VTS-F11-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4
2.5°	3007.6	3011.2	3011.2	3007.6	3009.4	3005.7	3007.6	3009.4	3003.9	3002.1	2996.7
5°	3082.0	3080.2	3080.2	3082.0	3087.5	3089.3	3080.2	3083.8	3085.6	3076.6	3056.6
7.5°	3205.5	3205.5	3211.0	3209.1	3220.0	3216.4	3214.6	3214.6	3214.6	3196.4	3163.7
10°	3372.6	3372.6	3378.0	3385.3	3387.1	3383.5	3383.5	3385.3	3394.4	3358.1	3307.2
12.5°	3559.7	3568.7	3566.9	3566.9	3588.7	3583.3	3576.0	3583.3	3592.4	3541.5	3468.9
15°	3768.5	3774.0	3777.6	3790.3	3786.7	3799.4	3803.0	3799.4	3808.5	3743.1	3621.4
17.5°	3957.4	3968.3	3971.9	3986.5	3986.5	3988.3	4002.8	3997.4	3999.2	3924.7	3750.4
20°	4113.6	4124.5	4129.9	4146.3	4149.9	4157.2	4162.6	4166.3	4175.3	4086.3	3855.7
22.5°	4269.8	4278.9	4287.9	4298.8	4313.4	4322.4	4329.7	4333.3	4349.7	4246.2	3955.6
25°	4444.1	4464.1	4473.2	4491.4	4505.9	4520.4	4531.3	4533.1	4560.4	4431.4	4037.3
27.5°	4676.6	4703.8	4718.4	4747.4	4762.0	4776.5	4772.9	4794.6	4832.8	4643.9	4100.9
30°	4981.7	5016.2	5025.3	5054.4	5078.0	5092.5	5108.8	5127.0	5152.4	4880.0	4131.8
32.5°	5406.7	5459.4	5472.1	5488.4	5522.9	5548.4	5559.2	5588.3	5595.6	5103.4	4122.7
35°	5989.7	5966.1	6027.8	6042.3	6091.4	6111.4	6124.1	6162.2	6133.2	5346.8	4062.7
37.5°	6516.4	6509.1	6569.0	6601.7	6665.3	6650.8	6681.6	6707.1	6603.5	5519.3	3952.0
40°	7159.3	7150.2	7233.7	7244.6	7342.7	7320.9	7333.6	7353.6	7123.0	5639.2	3750.4
42.5°	8056.5	8060.1	8149.1	8160.0	8172.7	8212.7	8147.3	8150.9	7675.1	5671.9	3418.0
45°	9238.8	9302.3	9247.9	9249.7	9246.0	9169.8	9088.0	8991.8	8249.0	5559.2	2989.4
47.5°	10384.8	10341.2	10272.2	10208.6	10155.9	10036.1	9916.2	9752.8	8744.8	5292.3	2511.7
50°	11365.5	11267.4	11205.7	11029.5	10904.2	10748.0	10580.9	10393.9	9151.6	4907.3	2065.0
52.5°	12277.2	12175.5	11944.9	11761.4	11581.6	11374.6	11180.2	10960.5	9511.2	4467.7	1723.5
55°	13791.9	13702.9	13472.2	13136.2	12914.7	12629.5	12373.5	12075.6	10239.5	4111.8	1498.3
57.5°	17317.0	17240.8	16755.8	16543.4	16251.0	15535.4	15430.1	14965.1	12191.8	4070.0	1365.7
60°	22280.6	21953.7	21550.5	20969.3	20284.6	20048.5	19521.8	18902.5	15333.8	4184.4	1258.6
62.5°	25328.1	24583.5	23991.4	23321.2	22691.0	22149.8	21574.1	20962.1	16941.1	4033.7	1126.0
65°	25556.9	24681.5	23898.8	23112.4	22404.1	21730.3	21170.9	20558.9	16418.0	3467.0	953.5
67.5°	24296.5	23373.9	22520.3	21628.6	20913.0	20304.6	19592.7	19004.2	14943.3	2698.8	793.7
70°	21697.6	20887.6	20152.1	19191.3	18597.4	17856.4	17404.2	16668.7	13025.5	1839.8	655.6
72.5°	15628.0	15017.8	14778.1	14107.9	13330.6	12894.7	12685.8	11972.1	9625.6	1142.4	535.8
75°	5279.6	5430.3	5085.2	4556.7	4814.6	4416.9	4578.5	4238.9	4071.8	655.6	450.4
77.5°	1171.4	1100.6	1017.0	944.4	939.0	882.7	935.3	884.5	946.2	417.7	397.7
80°	924.4	730.1	621.1	566.6	537.6	521.2	508.5	494.0	450.4	356.0	366.9
82.5°	998.9	753.7	552.1	441.3	377.8	354.2	348.7	334.2	330.5	345.1	370.5
85°	319.6	267.0	227.0	214.3	198.0	188.9	185.2	179.8	217.9	375.9	356.0
87.5°	167.1	147.1	130.8	125.3	109.0	101.7	99.9	101.7	152.6	375.9	257.9
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: P158185

CATALOG NUMBER: VTS-F11-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4	2989.4
2.5°	2991.2	2989.4	2985.8	2983.9	2982.1	2973.0	2980.3
5°	3047.5	3029.3	3013.0	2993.0	2982.1	2973.0	2973.0
7.5°	3132.9	3082.0	3040.2	2994.8	2964.0	2940.4	2936.7
10°	3240.0	3141.9	3045.7	2964.0	2905.8	2862.3	2856.8
12.5°	3341.7	3192.8	3040.2	2905.8	2815.0	2753.3	2749.7
15°	3436.2	3220.0	2998.5	2800.5	2664.3	2582.6	2573.5
17.5°	3510.6	3203.7	2904.0	2653.4	2468.2	2371.9	2366.4
20°	3527.0	3138.3	2769.6	2471.8	2275.6	2173.9	2150.3
22.5°	3512.4	3020.3	2602.5	2272.0	2046.8	1945.1	1932.4
25°	3468.9	2876.8	2395.5	2039.5	1830.7	1727.2	1701.7
27.5°	3390.8	2707.9	2172.1	1814.3	1607.3	1507.4	1482.0
30°	3274.5	2504.5	1934.2	1603.7	1389.4	1309.4	1284.0
32.5°	3112.9	2257.5	1699.9	1387.5	1209.6	1146.0	1135.1
35°	2889.5	1974.2	1454.7	1209.6	1078.8	1040.7	1035.2
37.5°	2604.4	1690.8	1249.5	1082.4	988.0	964.4	960.7
40°	2232.1	1400.3	1104.2	991.6	922.6	902.6	899.0
42.5°	1848.8	1182.3	997.1	919.0	862.7	844.5	839.1
45°	1512.9	1035.2	917.2	859.0	806.4	786.4	784.6
47.5°	1262.2	949.8	851.8	804.6	751.9	728.3	730.1
50°	1078.8	871.8	797.3	757.3	697.4	675.6	677.4
52.5°	953.5	793.7	746.4	701.0	650.2	628.4	628.4
55°	855.4	730.1	697.4	648.4	608.4	588.4	586.6
57.5°	775.5	679.2	650.2	610.2	570.3	546.7	546.7
60°	726.5	642.9	619.3	583.0	535.8	510.3	508.5
62.5°	697.4	632.0	612.0	561.2	508.5	483.1	477.6
65°	675.6	657.4	632.0	548.5	486.7	459.5	454.0
67.5°	677.4	717.4	681.1	555.7	479.5	439.5	432.2
70°	688.3	764.6	715.6	572.1	510.3	430.4	414.1
72.5°	633.8	692.0	644.7	544.8	497.6	414.1	394.1
75°	528.5	504.9	463.1	443.1	446.8	375.9	368.7
77.5°	428.6	375.9	336.0	352.3	375.9	321.5	314.2
80°	372.3	305.1	285.1	312.4	341.4	274.2	256.1
82.5°	348.7	257.9	245.2	325.1	357.8	236.1	207.0
85°	306.9	210.7	192.5	383.2	357.8	178.0	165.3
87.5°	205.2	125.3	119.9	281.5	245.2	123.5	99.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)