

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: P158177

Luminaire Tested: **VTS-F10-LED-E1-SL2-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158177
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-F10-LED-E1-SL2-7060
Description: VENTUS LED SITE LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (70) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25486.5 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

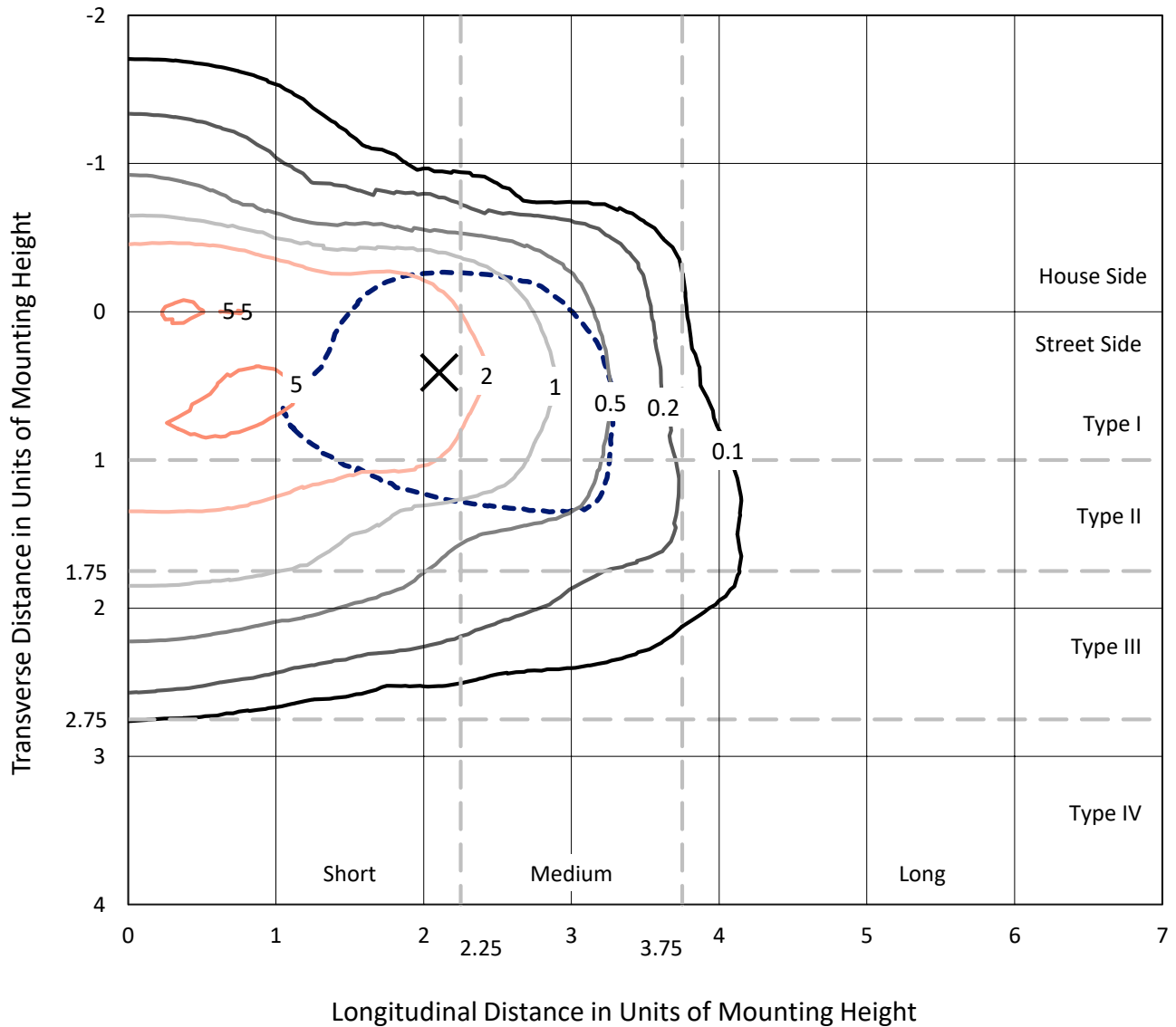
Input Watts (W): 258.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P158177

CATALOG NUMBER: VTS-F10-LED-E1-SL2-7060

Iso-Footcandle Lines of Horizontal Illumination

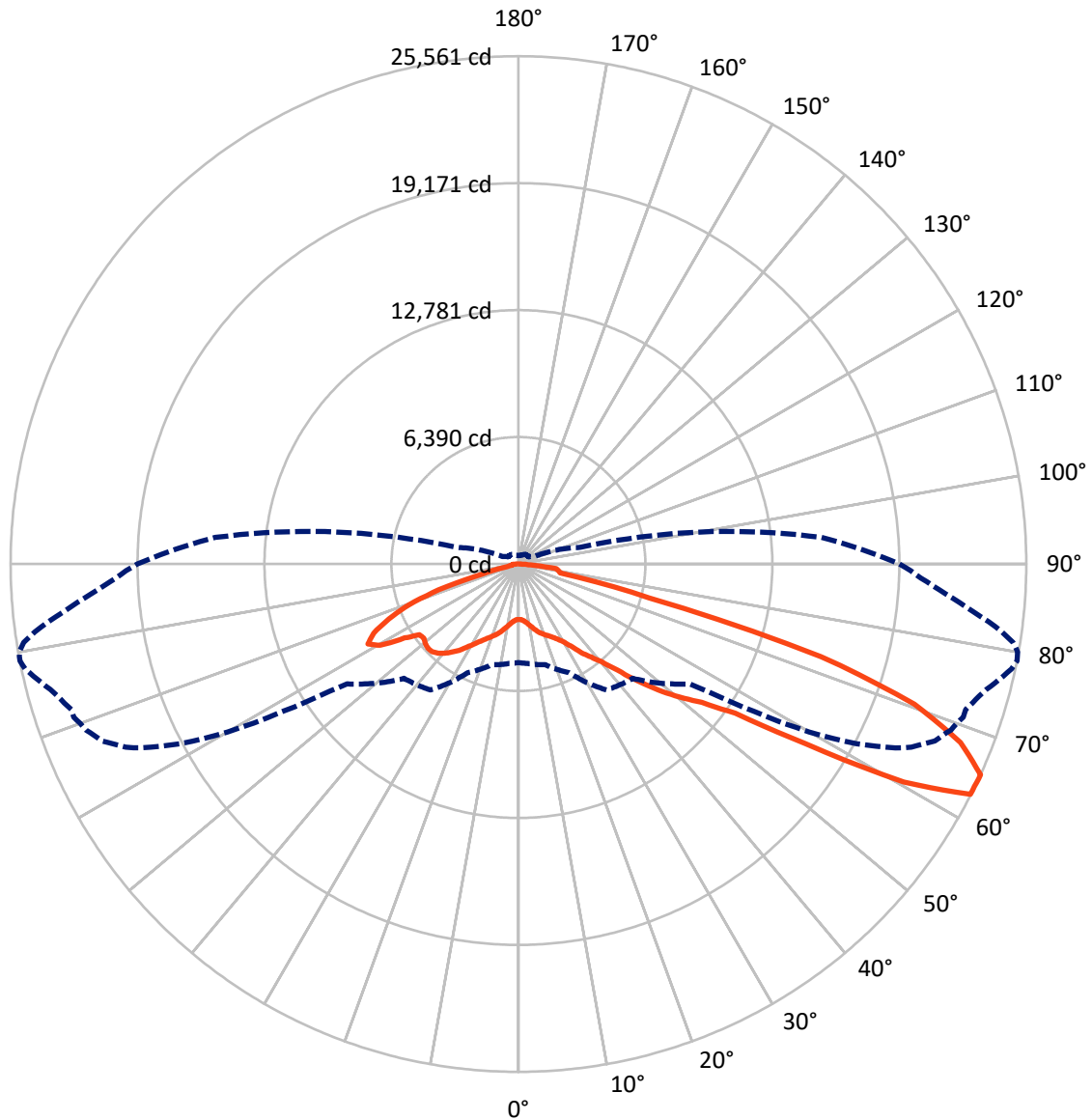
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158177
CATALOG NUMBER: VTS-F10-LED-E1-SL2-7060

Luminous Intensity Polar Plot



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

REPORT NUMBER: P158177

CATALOG NUMBER: VTS-F10-LED-E1-SL2-7060

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5856.3	0.0	5856.3
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	19630.2	0.0	19630.2
	% Fixture	77.0	0.0	77.0
Total	Lumens	25486.5	0.0	25486.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.9	1.1
10°-20°	896.0	3.5
20°-30°	1544.7	6.1
30°-40°	2530.2	9.9
40°-50°	4237.2	16.6
50°-60°	5731.5	22.5
60°-70°	7058.3	27.7
70°-80°	2732.2	10.7
80°-90°	480.5	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°	25486.5	100.0
0°-180°	25486.5	100.0



REPORT NUMBER: P158177

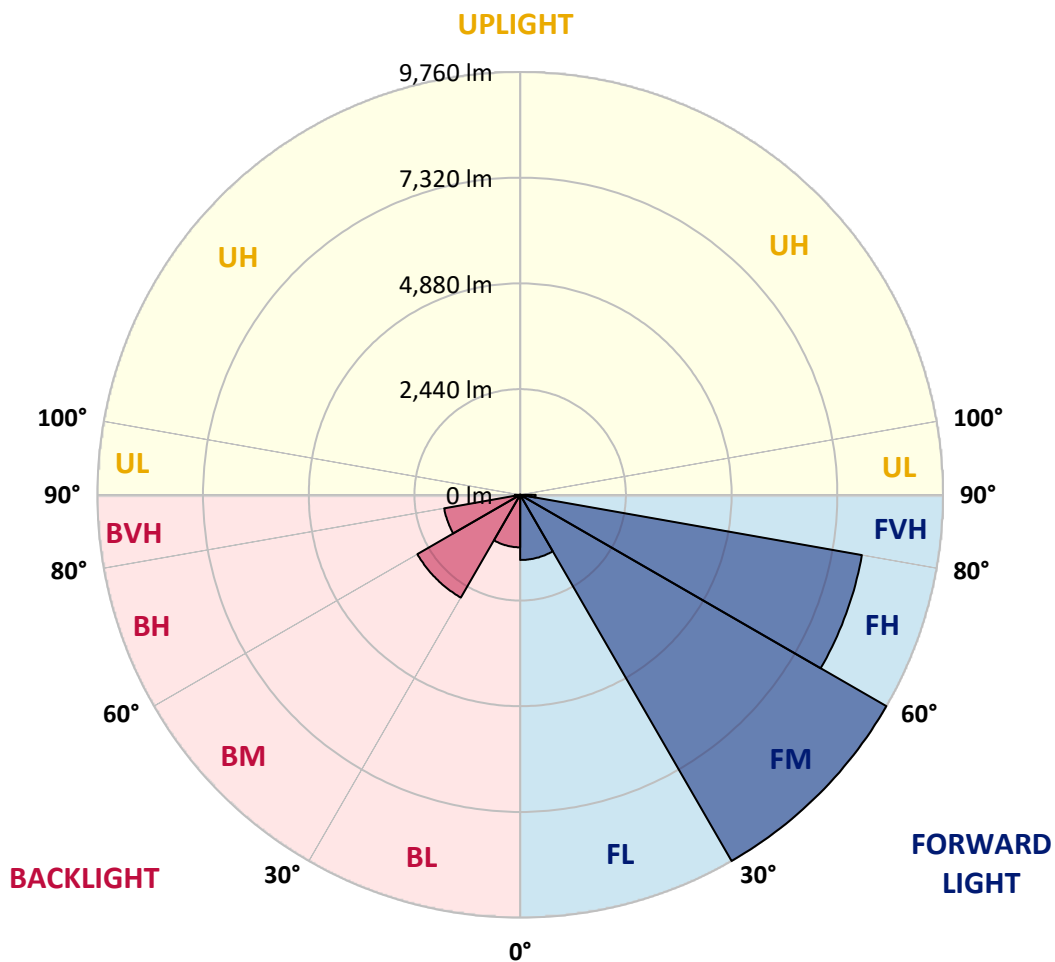
CATALOG NUMBER: VTS-F10-LED-E1-SL2-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1504.7	5.9			
FM (30°-60°)	9760.2	38.3			
FH (60°-80°)	8008.8	31.4			G4/12000
FVH (80°-90°)	356.5	1.4			G3/500
BL (0°-30°)	1212.0	4.8	B3/2500		
BM (30°-60°)	2738.7	10.7	B3/5000		
BH (60°-80°)	1781.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	124.0	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





REPORT NUMBER: P158177

CATALOG NUMBER: VTS-F10-LED-E1-SL2-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6
2.5°	2793.7	2785.2	2793.7	2800.4	2805.5	2812.3	2810.6	2808.9	2807.2	2808.9	2808.9
5°	2817.4	2815.7	2824.2	2830.9	2842.8	2851.3	2861.4	2861.4	2861.4	2859.7	2863.1
7.5°	2893.6	2891.9	2900.4	2907.2	2917.3	2934.3	2947.8	2954.6	2952.9	2952.9	2952.9
10°	3019.0	3012.2	3012.2	3012.2	3025.8	3037.6	3068.1	3071.5	3078.3	3074.9	3076.6
12.5°	3141.0	3142.7	3137.6	3132.5	3134.2	3157.9	3201.9	3210.4	3212.1	3217.2	3220.6
15°	3251.1	3249.4	3237.5	3225.7	3240.9	3281.6	3339.2	3354.4	3354.4	3364.6	3371.4
17.5°	3352.7	3349.3	3327.3	3307.0	3322.2	3391.7	3481.5	3491.6	3506.9	3512.0	3518.8
20°	3473.0	3466.2	3440.8	3386.6	3386.6	3481.5	3600.1	3610.2	3623.8	3627.2	3639.0
22.5°	3640.7	3623.8	3569.6	3471.3	3444.2	3554.3	3700.0	3705.1	3715.3	3728.8	3739.0
25°	3830.5	3833.9	3745.8	3574.7	3515.4	3630.6	3796.6	3805.1	3823.7	3833.9	3845.7
27.5°	4027.0	4032.1	3933.8	3720.4	3620.4	3735.6	3927.0	3937.2	3959.2	3971.1	3989.7
30°	4250.6	4257.4	4162.5	3947.4	3794.9	3889.8	4120.2	4147.3	4165.9	4181.2	4211.7
32.5°	4787.7	4747.0	4680.9	4452.2	4211.7	4204.9	4431.9	4462.4	4487.8	4520.0	4548.8
35°	5463.6	5489.1	5522.9	5368.8	5157.0	5002.8	5021.5	5004.5	5028.2	5075.7	5104.5
37.5°	5999.0	6054.9	6202.3	6302.2	6293.8	6263.3	5978.7	5978.7	5993.9	5968.5	5965.1
40°	6419.1	6454.7	6756.3	7144.2	7471.2	7632.2	7406.8	7374.6	7391.6	7261.1	7266.2
42.5°	6636.0	6688.5	7122.2	7803.3	8452.1	8968.8	8899.4	8877.4	8826.5	8794.3	8774.0
45°	6746.1	6808.8	7325.5	8260.7	9206.0	10004.0	10363.1	10359.7	10314.0	10276.7	10259.8
47.5°	6690.2	6744.4	7295.0	8399.6	9602.4	10671.5	11466.0	11515.1	11501.6	11555.8	11577.8
50°	6324.3	6393.7	6946.0	8099.7	9436.4	10934.1	12230.1	12321.6	12445.2	12523.2	12626.5
52.5°	5993.9	6051.5	6549.6	7613.5	8890.9	10720.6	12690.9	12878.9	13048.4	13207.6	13331.3
55°	5648.3	5705.9	6143.0	7108.7	8340.3	10090.4	12901.0	13175.4	13439.7	13709.1	13956.4
57.5°	5517.9	5578.8	5904.1	6717.3	7889.7	9465.2	13004.3	13454.9	13885.3	14342.7	14817.0
60°	5856.7	5910.9	6158.2	6727.5	7545.7	8840.1	12795.9	13504.1	14244.4	14998.3	15726.8
62.5°	5753.3	5782.1	6090.5	6973.1	7984.5	8223.4	11892.9	12828.1	13903.9	15008.5	16124.9
65°	4963.9	5019.8	5251.9	6027.8	7738.9	8140.4	10517.3	11457.5	12726.5	14032.7	15528.6
67.5°	3561.1	3483.2	3662.8	4342.1	6004.1	8126.8	8968.8	9665.1	10659.6	11660.8	12887.4
70°	1617.9	1580.6	1721.3	2258.3	3622.1	6422.5	7583.0	7818.5	8187.8	8862.1	9690.5
72.5°	638.7	637.0	728.5	933.5	1712.8	4133.7	6376.8	6512.3	6642.8	6935.9	7293.3
75°	418.5	418.5	445.6	503.2	843.7	1995.7	5394.2	5517.9	5717.8	5800.8	5953.2
77.5°	315.1	316.8	328.7	342.2	465.9	1050.4	3806.8	4245.5	4584.4	4836.8	5021.5
80°	223.6	233.8	255.8	264.3	303.3	598.0	2151.6	2468.4	2851.3	3259.5	3772.9
82.5°	167.7	179.6	216.9	227.0	240.6	340.5	970.7	1101.2	1285.9	1667.0	2397.2
85°	77.9	86.4	149.1	162.6	174.5	196.5	493.0	550.6	625.1	684.4	797.9
87.5°	11.9	8.5	25.4	35.6	55.9	57.6	169.4	201.6	218.5	262.6	272.8
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: P158177

CATALOG NUMBER: VTS-F10-LED-E1-SL2-7060

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6
2.5°	2808.9	2810.6	2812.3	2808.9	2810.6	2810.6	2807.2	2805.5	2805.5	2805.5	2807.2
5°	2863.1	2866.5	2863.1	2864.8	2871.6	2869.9	2866.5	2864.8	2871.6	2873.3	2868.2
7.5°	2959.7	2961.4	2954.6	2963.1	2966.5	2968.2	2968.2	2971.5	2971.5	2976.6	2971.5
10°	3083.4	3083.4	3095.2	3093.5	3095.2	3098.6	3100.3	3107.1	3112.2	3112.2	3115.5
12.5°	3225.7	3227.4	3239.2	3240.9	3247.7	3249.4	3259.5	3252.8	3269.7	3269.7	3274.8
15°	3373.1	3384.9	3386.6	3403.5	3406.9	3408.6	3422.2	3422.2	3434.0	3435.7	3439.1
17.5°	3518.8	3528.9	3535.7	3549.2	3561.1	3566.2	3571.3	3581.4	3589.9	3593.3	3601.8
20°	3644.1	3654.3	3661.1	3674.6	3684.8	3693.2	3698.3	3710.2	3718.7	3722.1	3733.9
22.5°	3749.2	3755.9	3767.8	3786.4	3789.8	3800.0	3815.2	3823.7	3827.1	3837.3	3850.8
25°	3861.0	3871.1	3877.9	3894.9	3908.4	3925.3	3938.9	3952.5	3955.8	3969.4	3981.3
27.5°	4010.1	4020.2	4021.9	4055.8	4069.4	4093.1	4108.3	4128.6	4138.8	4150.7	4174.4
30°	4230.3	4254.0	4264.2	4303.1	4309.9	4337.0	4364.1	4370.9	4386.2	4387.9	4426.8
32.5°	4567.4	4601.3	4614.9	4655.5	4665.7	4691.1	4706.4	4741.9	4743.6	4760.6	4769.0
35°	5119.7	5111.3	5163.8	5173.9	5204.4	5226.5	5241.7	5241.7	5273.9	5275.6	5285.8
37.5°	5873.6	5856.7	5870.2	5809.2	5824.5	5797.4	5792.3	5799.1	5785.5	5788.9	5787.2
40°	7079.9	7003.6	6924.0	6735.9	6695.3	6617.4	6556.4	6507.2	6459.8	6409.0	6375.1
42.5°	8592.7	8482.6	8364.0	8062.5	7921.9	7771.1	7623.7	7539.0	7369.6	7266.2	7210.3
45°	10178.5	10049.7	9883.7	9632.9	9433.0	9272.1	9002.7	8875.7	8613.1	8482.6	8306.4
47.5°	11477.9	11479.6	11345.7	11091.6	10878.1	10771.4	10603.7	10358.0	10059.9	9892.1	9578.7
50°	12614.7	12613.0	12604.5	12452.0	12302.9	12186.0	12038.6	11816.7	11572.7	11383.0	11023.8
52.5°	13454.9	13566.8	13614.2	13612.5	13593.9	13539.7	13427.8	13236.4	12989.1	12882.3	12596.0
55°	14149.6	14393.5	14520.6	14798.4	14823.8	14913.6	14815.4	14817.0	14671.3	14681.5	14590.0
57.5°	15201.6	15647.2	15903.0	16518.0	16826.3	17199.0	17133.0	17444.7	17558.2	17702.2	17893.6
60°	16396.0	17227.8	17834.3	19057.5	19555.6	20158.7	20490.8	20844.8	21102.3	21366.6	21561.5
62.5°	17249.8	18342.6	19338.7	21082.0	21729.2	22364.5	22782.9	23211.6	23501.3	23691.0	23831.6
65°	16900.9	18108.8	19286.2	21114.2	21819.0	22279.8	22777.9	23025.2	23314.9	23472.5	23674.1
67.5°	14361.3	15572.6	16834.8	18991.4	19728.4	20365.4	20753.4	21073.5	21307.3	21507.2	21739.3
70°	10679.9	12004.8	13309.3	15674.3	16604.4	17524.3	17981.7	18378.2	18622.1	18823.7	19079.5
72.5°	7686.4	8516.5	9331.4	11979.3	12909.4	14098.7	14573.1	15013.6	15330.4	15320.2	15591.3
75°	6119.3	6456.4	6819.0	8186.1	8853.6	9856.6	10122.6	10369.9	10220.8	9934.5	9917.6
77.5°	5094.3	5233.2	5355.2	5783.8	5882.1	6121.0	5988.8	5851.6	5409.4	5036.7	4840.2
80°	4135.4	4409.9	4589.5	4894.4	5019.8	5090.9	5109.6	5062.1	4899.5	4674.2	4315.0
82.5°	3074.9	3596.7	3952.5	4552.2	4772.4	4818.2	4906.3	4852.0	4745.3	4562.3	4304.8
85°	901.3	1019.9	1169.0	1585.7	1858.5	2090.6	2327.8	2444.7	2517.5	2415.9	2149.9
87.5°	316.8	357.5	399.8	550.6	586.2	708.2	694.6	820.0	825.1	860.6	823.4
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: P158177

CATALOG NUMBER: VTS-F10-LED-E1-SL2-7060

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6
2.5°	2805.5	2805.5	2805.5	2807.2	2807.2	2807.2	2803.8	2802.1	2803.8	2807.2	2807.2
5°	2871.6	2873.3	2876.7	2869.9	2871.6	2876.7	2873.3	2871.6	2873.3	2876.7	2873.3
7.5°	2978.3	2980.0	2976.6	2983.4	2983.4	2986.8	2991.9	2986.8	2988.5	2990.2	2991.9
10°	3117.2	3118.9	3122.3	3127.4	3129.1	3132.5	3135.9	3141.0	3141.0	3137.6	3146.0
12.5°	3283.3	3281.6	3285.0	3291.7	3295.1	3300.2	3310.4	3310.4	3317.1	3315.5	3323.9
15°	3445.9	3454.4	3456.1	3467.9	3473.0	3481.5	3493.3	3500.1	3500.1	3510.3	3513.7
17.5°	3608.5	3615.3	3622.1	3632.3	3639.0	3644.1	3657.7	3666.1	3664.4	3683.1	3683.1
20°	3733.9	3747.5	3755.9	3762.7	3774.6	3783.0	3793.2	3803.4	3810.1	3822.0	3825.4
22.5°	3855.9	3864.4	3876.2	3884.7	3898.2	3908.4	3920.3	3928.7	3940.6	3955.8	3960.9
25°	3991.4	4005.0	4018.5	4030.4	4040.6	4052.4	4072.7	4091.4	4108.3	4121.9	4127.0
27.5°	4179.5	4194.7	4215.0	4223.5	4238.8	4248.9	4279.4	4303.1	4311.6	4335.3	4342.1
30°	4433.6	4450.5	4470.9	4481.0	4508.1	4521.7	4553.9	4579.3	4587.8	4616.6	4621.6
32.5°	4801.2	4811.4	4852.0	4850.4	4887.6	4926.6	4945.2	4965.6	5002.8	5018.1	5023.2
35°	5311.2	5334.9	5363.7	5362.0	5409.4	5431.4	5468.7	5490.7	5517.9	5516.2	5545.0
37.5°	5804.2	5812.6	5822.8	5844.8	5878.7	5909.2	5922.8	5944.8	5965.1	5995.6	6032.9
40°	6341.2	6361.5	6363.2	6375.1	6392.0	6431.0	6456.4	6480.1	6549.6	6593.6	6615.7
42.5°	7145.9	7140.8	7107.0	7129.0	7139.2	7198.4	7217.1	7289.9	7367.9	7461.0	7486.5
45°	8181.1	8113.3	8093.0	8084.5	8138.7	8169.2	8245.4	8381.0	8462.3	8550.4	8592.7
47.5°	9455.1	9243.3	9143.3	9121.3	9177.2	9307.7	9333.1	9466.9	9573.6	9638.0	9680.4
50°	10730.8	10564.7	10354.7	10283.5	10268.3	10388.5	10417.3	10529.1	10637.6	10656.2	10634.2
52.5°	12333.4	12062.4	11715.1	11589.7	11489.7	11498.2	11521.9	11569.4	11638.8	11610.0	11550.7
55°	14383.3	14075.0	13903.9	13666.7	13515.9	13488.8	13385.5	13243.2	13238.1	13256.7	13078.8
57.5°	17797.1	17668.3	17741.2	17715.7	17566.7	17656.4	17190.6	17058.4	16953.4	16770.4	16606.1
60°	21734.3	21866.4	22017.2	22364.5	22349.2	22698.2	22374.7	22293.3	22195.1	21630.9	21354.8
62.5°	24077.3	24129.8	24351.7	24675.3	24993.8	25327.6	25478.3	25530.9	25325.9	24865.1	24289.0
65°	23669.0	23901.1	24116.2	24395.8	24722.7	25056.5	25375.0	25561.4	25513.9	25209.0	24575.4
67.5°	21813.9	22057.8	22373.0	22666.0	23018.4	23308.1	23657.1	23999.3	24009.5	23857.0	23416.6
70°	19106.6	19389.6	19714.8	19879.2	20260.4	20522.9	20812.6	21151.5	21261.6	21280.2	20766.9
72.5°	15533.7	15652.3	15811.5	15725.1	15801.3	15969.1	15891.1	15918.2	15499.8	15577.7	14944.1
75°	9460.1	9351.7	8870.6	8431.8	7896.4	7484.8	7583.0	6796.9	6022.7	5983.7	5424.7
77.5°	4797.8	4625.0	4326.9	4016.8	3562.8	3042.7	2609.0	2141.4	1746.7	1521.3	1306.2
80°	4086.3	3964.3	3800.0	3574.7	3244.3	2859.7	2407.4	2051.6	1721.3	1377.3	1102.9
82.5°	3910.1	3537.4	3298.5	3110.5	2753.0	2397.2	2149.9	1905.9	1672.1	1460.4	1157.1
85°	1939.8	1716.2	1451.9	1287.6	991.1	775.9	726.8	598.0	557.4	430.3	362.5
87.5°	652.2	533.7	398.1	335.4	267.7	218.5	215.2	191.4	189.7	172.8	159.3
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: P158177

CATALOG NUMBER: VTS-F10-LED-E1-SL2-7060

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6
2.5°	2805.5	2808.9	2808.9	2805.5	2807.2	2803.8	2805.5	2807.2	2802.1	2800.4	2795.3
5°	2875.0	2873.3	2873.3	2875.0	2880.1	2881.8	2873.3	2876.7	2878.4	2869.9	2851.3
7.5°	2990.2	2990.2	2995.3	2993.6	3003.7	3000.3	2998.6	2998.6	2998.6	2981.7	2951.2
10°	3146.0	3146.0	3151.1	3157.9	3159.6	3156.2	3156.2	3157.9	3166.4	3132.5	3085.0
12.5°	3320.5	3329.0	3327.3	3327.3	3347.6	3342.6	3335.8	3342.6	3351.0	3303.6	3235.8
15°	3515.4	3520.4	3523.8	3535.7	3532.3	3544.2	3547.6	3544.2	3552.6	3491.6	3378.1
17.5°	3691.6	3701.7	3705.1	3718.7	3718.7	3720.4	3733.9	3728.8	3730.5	3661.1	3498.4
20°	3837.3	3847.4	3852.5	3867.7	3871.1	3877.9	3883.0	3886.4	3894.9	3811.8	3596.7
22.5°	3982.9	3991.4	3999.9	4010.1	4023.6	4032.1	4038.9	4042.2	4057.5	3960.9	3689.9
25°	4145.6	4164.2	4172.7	4189.6	4203.2	4216.7	4226.9	4228.6	4254.0	4133.7	3766.1
27.5°	4362.4	4387.9	4401.4	4428.5	4442.1	4455.6	4452.2	4472.6	4508.1	4331.9	3825.4
30°	4647.1	4679.2	4687.7	4714.8	4736.8	4750.4	4765.6	4782.6	4806.3	4552.2	3854.2
32.5°	5043.5	5092.6	5104.5	5119.7	5151.9	5175.6	5185.8	5212.9	5219.7	4760.6	3845.7
35°	5587.3	5565.3	5622.9	5636.4	5682.2	5700.8	5712.7	5748.3	5721.1	4987.6	3789.8
37.5°	6078.6	6071.8	6127.7	6158.2	6217.5	6204.0	6232.8	6256.5	6159.9	5148.5	3686.5
40°	6678.3	6669.9	6747.8	6758.0	6849.5	6829.1	6841.0	6859.6	6644.5	5260.3	3498.4
42.5°	7515.3	7518.6	7601.7	7611.8	7623.7	7661.0	7600.0	7603.4	7159.5	5290.8	3188.4
45°	8618.1	8677.4	8626.6	8628.3	8624.9	8553.8	8477.5	8387.7	7694.8	5185.8	2788.6
47.5°	9687.2	9646.5	9582.1	9522.8	9473.7	9361.9	9250.1	9097.6	8157.3	4936.8	2343.0
50°	10602.0	10510.5	10452.9	10288.6	10171.7	10026.0	9870.1	9695.6	8536.8	4577.6	1926.2
52.5°	11452.5	11357.6	11142.4	10971.3	10803.6	10610.5	10429.2	10224.2	8872.3	4167.6	1607.7
55°	12865.4	12782.4	12567.2	12253.8	12047.1	11781.1	11542.3	11264.4	9551.6	3835.6	1397.7
57.5°	16153.7	16082.6	15630.2	15432.0	15159.3	14491.8	14393.5	13959.8	11372.8	3796.6	1274.0
60°	20783.8	20478.9	20102.8	19560.7	18922.0	18701.7	18210.4	17632.7	14303.7	3903.3	1174.0
62.5°	23626.6	22932.0	22379.7	21754.6	21166.7	20661.9	20124.8	19553.9	15803.0	3762.7	1050.4
65°	23840.1	23023.5	22293.3	21559.8	20899.0	20270.5	19748.7	19177.8	15315.1	3234.1	889.4
67.5°	22664.4	21803.7	21007.5	20175.6	19508.2	18940.6	18276.5	17727.6	13939.5	2517.5	740.3
70°	20240.0	19484.4	18798.3	17902.1	17348.1	16656.9	16235.1	15548.9	12150.5	1716.2	611.6
72.5°	14578.2	14008.9	13785.3	13160.2	12435.1	12028.5	11833.6	11167.8	8979.0	1065.6	499.8
75°	4924.9	5065.5	4743.6	4250.6	4491.2	4120.2	4271.0	3954.1	3798.3	611.6	420.1
77.5°	1092.7	1026.7	948.7	881.0	875.9	823.4	872.5	825.1	882.7	389.7	371.0
80°	862.3	681.0	579.4	528.6	501.5	486.2	474.4	460.8	420.1	332.1	342.2
82.5°	931.8	703.1	515.0	411.7	352.4	330.4	325.3	311.7	308.3	321.9	345.6
85°	298.2	249.0	211.8	199.9	184.7	176.2	172.8	167.7	203.3	350.7	332.1
87.5°	155.9	137.2	122.0	116.9	101.6	94.9	93.2	94.9	142.3	350.7	240.6
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: P158177

CATALOG NUMBER: VTS-F10-LED-E1-SL2-7060

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6	2788.6
2.5°	2790.3	2788.6	2785.2	2783.5	2781.8	2773.3	2780.1
5°	2842.8	2825.8	2810.6	2792.0	2781.8	2773.3	2773.3
7.5°	2922.4	2875.0	2836.0	2793.7	2764.9	2742.8	2739.4
10°	3022.4	2930.9	2841.1	2764.9	2710.6	2670.0	2664.9
12.5°	3117.2	2978.3	2836.0	2710.6	2625.9	2568.3	2564.9
15°	3205.3	3003.7	2797.0	2612.4	2485.3	2409.1	2400.6
17.5°	3274.8	2988.5	2708.9	2475.2	2302.4	2212.6	2207.5
20°	3290.0	2927.5	2583.6	2305.7	2122.8	2027.9	2005.9
22.5°	3276.5	2817.4	2427.7	2119.4	1909.3	1814.4	1802.6
25°	3235.8	2683.5	2234.6	1902.5	1707.7	1611.1	1587.4
27.5°	3163.0	2526.0	2026.2	1692.5	1499.3	1406.1	1382.4
30°	3054.6	2336.2	1804.3	1495.9	1296.0	1221.5	1197.8
32.5°	2903.8	2105.8	1585.7	1294.3	1128.3	1069.0	1058.8
35°	2695.4	1841.5	1357.0	1128.3	1006.3	970.7	965.7
37.5°	2429.4	1577.3	1165.6	1009.7	921.6	899.6	896.2
40°	2082.1	1306.2	1030.0	925.0	860.6	842.0	838.6
42.5°	1724.6	1102.9	930.1	857.2	804.7	787.8	782.7
45°	1411.2	965.7	855.5	801.3	752.2	733.6	731.9
47.5°	1177.4	886.0	794.6	750.5	701.4	679.4	681.0
50°	1006.3	813.2	743.7	706.5	650.6	630.2	631.9
52.5°	889.4	740.3	696.3	653.9	606.5	586.2	586.2
55°	797.9	681.0	650.6	604.8	567.5	548.9	547.2
57.5°	723.4	633.6	606.5	569.2	532.0	509.9	509.9
60°	677.7	599.7	577.7	543.8	499.8	476.1	474.4
62.5°	650.6	589.6	570.9	523.5	474.4	450.6	445.6
65°	630.2	613.3	589.6	511.6	454.0	428.6	423.5
67.5°	631.9	669.2	635.3	518.4	447.3	410.0	403.2
70°	642.1	713.2	667.5	533.7	476.1	401.5	386.3
72.5°	591.3	645.5	601.4	508.2	464.2	386.3	367.6
75°	493.0	471.0	432.0	413.4	416.8	350.7	343.9
77.5°	399.8	350.7	313.4	328.7	350.7	299.9	293.1
80°	347.3	284.6	266.0	291.4	318.5	255.8	238.9
82.5°	325.3	240.6	228.7	303.3	333.7	220.2	193.1
85°	286.3	196.5	179.6	357.5	333.7	166.0	154.2
87.5°	191.4	116.9	111.8	262.6	228.7	115.2	93.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)