

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: P158165

Luminaire Tested: **VTS-F09-LED-E1-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158165
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-F09-LED-E1-SL2
Description: VENTUS LED SITE LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

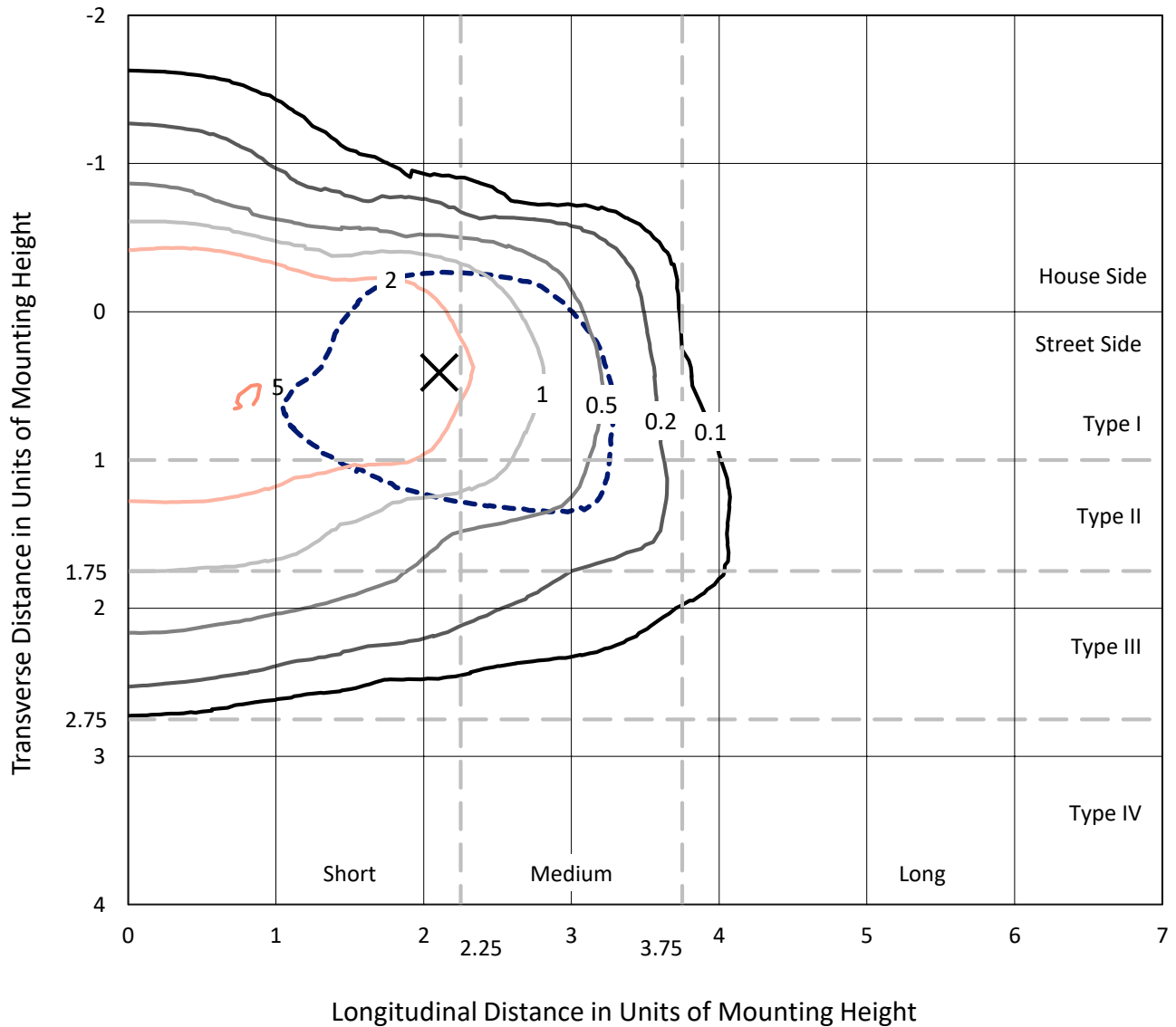
Lumens per Lamp: N/A
Luminaire Lumens: 22354.3 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 234.8
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

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Iso-Footcandle Lines of Horizontal Illumination

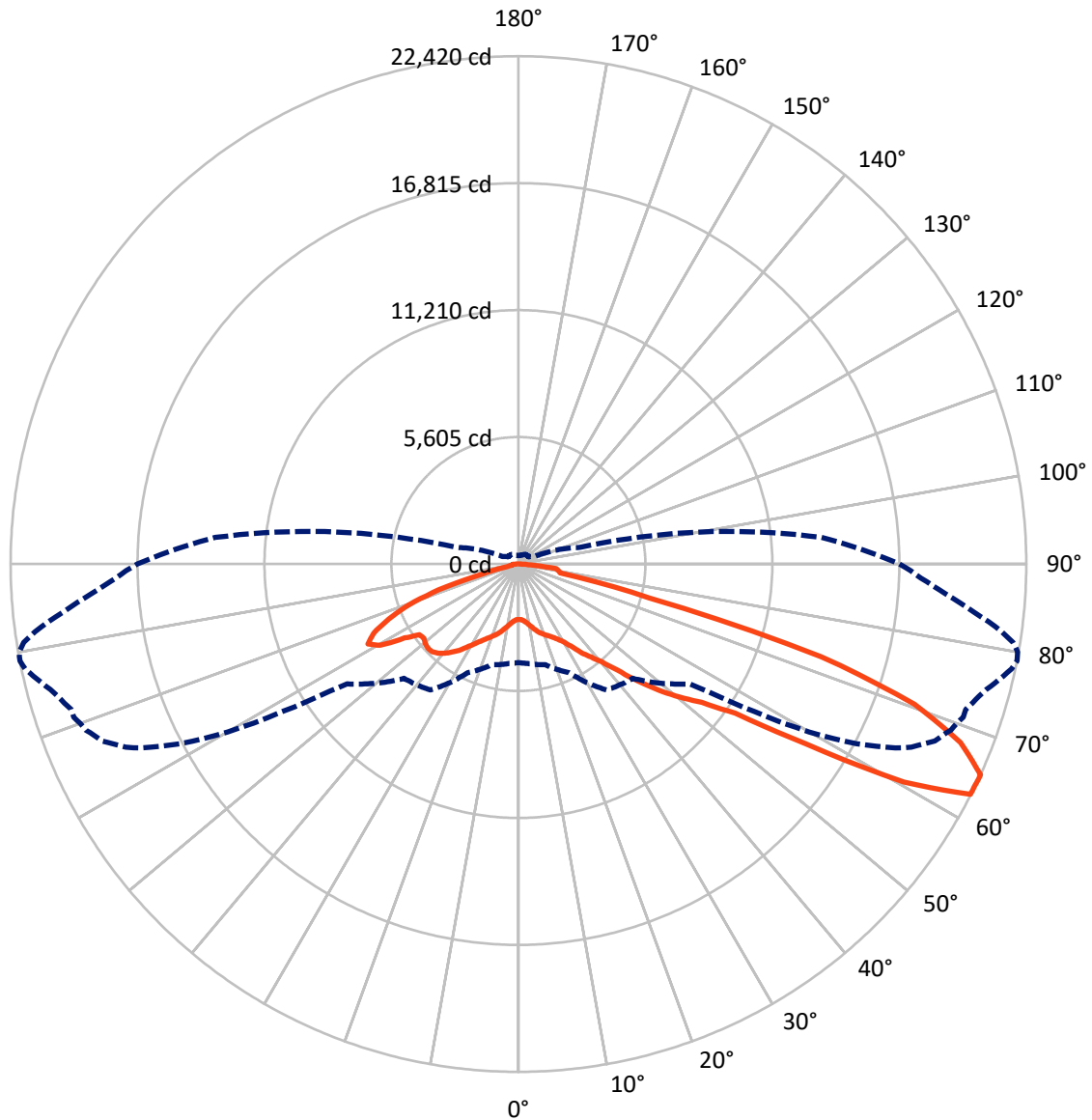
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5136.6	0.0	5136.6
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	17217.7	0.0	17217.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	22354.3	0.0	22354.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.0	1.1
10°-20°	785.9	3.5
20°-30°	1354.9	6.1
30°-40°	2219.3	9.9
40°-50°	3716.5	16.6
50°-60°	5027.1	22.5
60°-70°	6190.8	27.7
70°-80°	2396.4	10.7
80°-90°	421.4	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°	22354.3	100.0
0°-180°	22354.3	100.0



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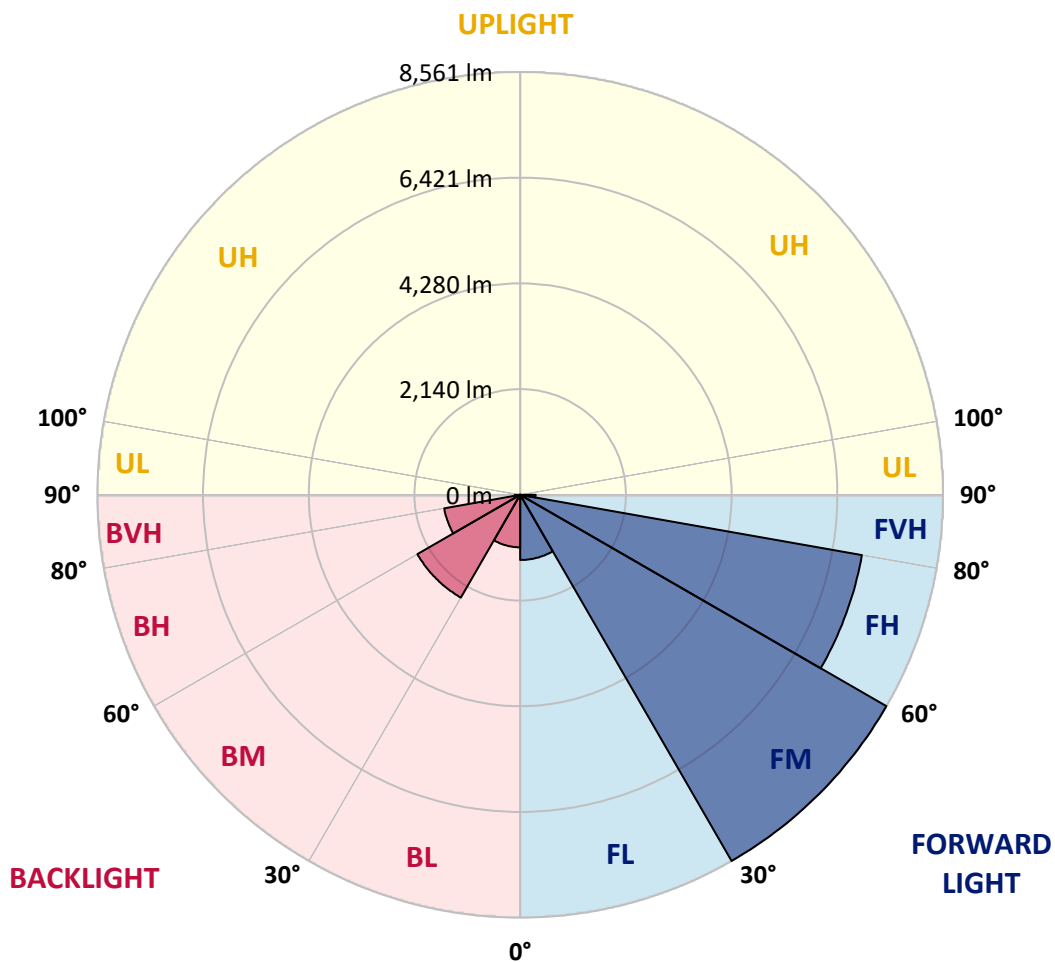
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1319.7	5.9			
FM (30°-60°)	8560.7	38.3			
FH (60°-80°)	7024.5	31.4			G3/7500
FVH (80°-90°)	312.7	1.4			G3/500
BL (0°-30°)	1063.0	4.8	B3/2500		
BM (30°-60°)	2402.1	10.7	B2/2500		
BH (60°-80°)	1562.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	108.7	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9
2.5°	2450.3	2442.9	2450.3	2456.3	2460.7	2466.7	2465.2	2463.7	2462.2	2463.7	2463.7
5°	2471.1	2469.6	2477.1	2483.0	2493.4	2500.8	2509.8	2509.8	2509.8	2508.3	2511.2
7.5°	2538.0	2536.5	2543.9	2549.9	2558.8	2573.7	2585.5	2591.5	2590.0	2590.0	2590.0
10°	2648.0	2642.0	2642.0	2642.0	2653.9	2664.3	2691.0	2694.0	2700.0	2697.0	2698.5
12.5°	2754.9	2756.4	2752.0	2747.5	2749.0	2769.8	2808.4	2815.9	2817.4	2821.8	2824.8
15°	2851.5	2850.0	2839.6	2829.2	2842.6	2878.3	2928.8	2942.2	2942.2	2951.1	2957.0
17.5°	2940.7	2937.7	2918.4	2900.6	2913.9	2974.9	3053.6	3062.5	3075.9	3080.4	3086.3
20°	3046.2	3040.2	3018.0	2970.4	2970.4	3053.6	3157.6	3166.5	3178.4	3181.4	3191.8
22.5°	3193.3	3178.4	3130.9	3044.7	3020.9	3117.5	3245.3	3249.8	3258.7	3270.6	3279.5
25°	3359.7	3362.7	3285.4	3135.3	3083.3	3184.4	3330.0	3337.4	3353.8	3362.7	3373.1
27.5°	3532.1	3536.5	3450.4	3263.1	3175.5	3276.5	3444.4	3453.3	3472.7	3483.1	3499.4
30°	3728.2	3734.2	3651.0	3462.3	3328.5	3411.7	3613.8	3637.6	3653.9	3667.3	3694.1
32.5°	4199.3	4163.6	4105.7	3905.1	3694.1	3688.1	3887.2	3914.0	3936.3	3964.5	3989.8
35°	4792.2	4814.5	4844.2	4709.0	4523.2	4388.0	4404.3	4389.5	4410.3	4451.9	4477.2
37.5°	5261.7	5310.8	5440.0	5527.7	5520.3	5493.5	5243.9	5243.9	5257.3	5235.0	5232.0
40°	5630.2	5661.4	5925.9	6266.2	6553.0	6694.2	6496.6	6468.3	6483.2	6368.8	6373.2
42.5°	5820.4	5866.5	6246.9	6844.3	7413.4	7866.6	7805.7	7786.4	7741.8	7713.5	7695.7
45°	5917.0	5972.0	6425.2	7245.5	8074.6	8774.5	9089.5	9086.6	9046.4	9013.7	8998.9
47.5°	5868.0	5915.5	6398.5	7367.3	8422.3	9360.0	10056.9	10100.0	10088.1	10135.6	10154.9
50°	5547.0	5608.0	6092.4	7104.3	8276.7	9590.3	10727.0	10807.3	10915.8	10984.1	11074.7
52.5°	5257.3	5307.8	5744.7	6677.8	7798.2	9403.1	11131.2	11296.2	11444.7	11584.4	11692.9
55°	4954.1	5004.7	5388.0	6235.0	7315.3	8850.3	11315.5	11556.2	11788.0	12024.3	12241.2
57.5°	4839.7	4893.2	5178.5	5891.8	6920.0	8302.0	11406.1	11801.4	12178.8	12580.0	12996.1
60°	5136.9	5184.5	5401.4	5900.7	6618.4	7753.7	11223.3	11844.5	12493.8	13155.1	13794.0
62.5°	5046.3	5071.5	5342.0	6116.1	7003.3	7212.8	10431.3	11251.6	12195.1	13164.0	14143.2
65°	4353.8	4402.9	4606.4	5287.0	6787.8	7140.0	9224.7	10049.4	11162.4	12308.1	13620.2
67.5°	3123.5	3055.1	3212.6	3808.5	5266.2	7128.1	7866.6	8477.3	9349.6	10227.8	11303.6
70°	1419.1	1386.4	1509.7	1980.8	3177.0	5633.2	6651.1	6857.6	7181.6	7773.0	8499.6
72.5°	560.2	558.7	639.0	818.8	1502.3	3625.7	5593.1	5712.0	5826.4	6083.5	6397.0
75°	367.0	367.0	390.8	441.3	740.0	1750.4	4731.2	4839.7	5015.1	5087.9	5221.6
77.5°	276.4	277.9	288.3	300.2	408.6	921.3	3338.9	3723.8	4021.0	4242.4	4404.3
80°	196.1	205.1	224.4	231.8	266.0	524.5	1887.1	2165.0	2500.8	2859.0	3309.2
82.5°	147.1	157.5	190.2	199.1	211.0	298.7	851.4	965.9	1127.8	1462.2	2102.6
85°	68.4	75.8	130.8	142.7	153.1	172.4	432.4	482.9	548.3	600.3	699.9
87.5°	10.4	7.4	22.3	31.2	49.0	50.5	148.6	176.8	191.7	230.3	239.2
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9
2.5°	2463.7	2465.2	2466.7	2463.7	2465.2	2465.2	2462.2	2460.7	2460.7	2460.7	2462.2
5°	2511.2	2514.2	2511.2	2512.7	2518.7	2517.2	2514.2	2512.7	2518.7	2520.2	2515.7
7.5°	2595.9	2597.4	2591.5	2598.9	2601.9	2603.4	2603.4	2606.3	2606.3	2610.8	2606.3
10°	2704.4	2704.4	2714.8	2713.3	2714.8	2717.8	2719.3	2725.2	2729.7	2729.7	2732.7
12.5°	2829.2	2830.7	2841.1	2842.6	2848.6	2850.0	2859.0	2853.0	2867.9	2867.9	2872.3
15°	2958.5	2968.9	2970.4	2985.3	2988.2	2989.7	3001.6	3001.6	3012.0	3013.5	3016.5
17.5°	3086.3	3095.2	3101.2	3113.1	3123.5	3127.9	3132.4	3141.3	3148.7	3151.7	3159.1
20°	3196.3	3205.2	3211.1	3223.0	3231.9	3239.4	3243.8	3254.2	3261.6	3264.6	3275.0
22.5°	3288.4	3294.3	3304.7	3321.1	3324.1	3333.0	3346.3	3353.8	3356.7	3365.7	3377.6
25°	3386.5	3395.4	3401.3	3416.2	3428.1	3442.9	3454.8	3466.7	3469.7	3481.6	3492.0
27.5°	3517.2	3526.1	3527.6	3557.4	3569.2	3590.0	3603.4	3621.2	3630.2	3640.6	3661.4
30°	3710.4	3731.2	3740.1	3774.3	3780.2	3804.0	3827.8	3833.7	3847.1	3848.6	3882.8
32.5°	4006.1	4035.8	4047.7	4083.4	4092.3	4114.6	4128.0	4159.2	4160.6	4175.5	4182.9
35°	4490.5	4483.1	4529.2	4538.1	4564.8	4584.1	4597.5	4597.5	4625.7	4627.2	4636.1
37.5°	5151.8	5136.9	5148.8	5095.3	5108.7	5084.9	5080.4	5086.4	5074.5	5077.5	5076.0
40°	6209.8	6142.9	6073.1	5908.1	5872.5	5804.1	5750.6	5707.5	5665.9	5621.3	5591.6
42.5°	7536.7	7440.1	7336.1	7071.6	6948.3	6816.0	6686.8	6612.5	6463.9	6373.2	6324.2
45°	8927.6	8814.6	8669.0	8449.1	8273.7	8132.6	7896.3	7784.9	7554.5	7440.1	7285.6
47.5°	10067.3	10068.8	9951.4	9728.5	9541.3	9447.6	9300.5	9085.1	8823.5	8676.4	8401.5
50°	11064.3	11062.9	11055.4	10921.7	10790.9	10688.4	10559.1	10364.5	10150.5	9984.1	9669.0
52.5°	11801.4	11899.4	11941.1	11939.6	11923.2	11875.7	11777.6	11609.7	11392.7	11299.1	11048.0
55°	12410.6	12624.6	12736.0	12979.7	13002.0	13080.8	12994.6	12996.1	12868.3	12877.2	12797.0
57.5°	13333.4	13724.2	13948.6	14488.0	14758.4	15085.3	15027.4	15300.8	15400.3	15526.6	15694.5
60°	14381.0	15110.6	15642.5	16715.4	17152.3	17681.3	17972.5	18283.1	18508.9	18740.7	18911.6
62.5°	15129.9	16088.3	16962.1	18491.1	19058.7	19616.0	19983.0	20358.9	20613.0	20779.5	20902.8
65°	14823.8	15883.3	16916.0	18519.3	19137.5	19541.7	19978.5	20195.5	20449.6	20587.8	20764.6
67.5°	12596.4	13658.8	14765.8	16657.4	17303.8	17862.5	18202.8	18483.7	18688.7	18864.1	19067.6
70°	9367.4	10529.4	11673.6	13748.0	14563.7	15370.6	15771.8	16119.5	16333.5	16510.3	16734.7
72.5°	6741.7	7469.8	8184.6	10507.1	11322.9	12366.0	12782.1	13168.4	13446.3	13437.4	13675.2
75°	5367.2	5662.9	5980.9	7180.1	7765.5	8645.2	8878.5	9095.5	8964.7	8713.6	8698.7
77.5°	4468.2	4590.1	4697.1	5073.0	5159.2	5368.7	5252.8	5132.5	4744.6	4417.7	4245.3
80°	3627.2	3867.9	4025.4	4292.9	4402.9	4465.3	4481.6	4440.0	4297.4	4099.7	3784.7
82.5°	2697.0	3154.7	3466.7	3992.7	4185.9	4226.0	4303.3	4255.7	4162.1	4001.6	3775.8
85°	790.5	894.5	1025.3	1390.8	1630.1	1833.7	2041.7	2144.2	2208.1	2119.0	1885.7
87.5°	277.9	313.5	350.7	482.9	514.1	621.1	609.2	719.2	723.7	754.9	722.2
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9
2.5°	2460.7	2460.7	2460.7	2462.2	2462.2	2462.2	2459.2	2457.8	2459.2	2462.2	2462.2
5°	2518.7	2520.2	2523.1	2517.2	2518.7	2523.1	2520.2	2518.7	2520.2	2523.1	2520.2
7.5°	2612.3	2613.8	2610.8	2616.7	2616.7	2619.7	2624.2	2619.7	2621.2	2622.7	2624.2
10°	2734.1	2735.6	2738.6	2743.1	2744.5	2747.5	2750.5	2754.9	2754.9	2752.0	2759.4
12.5°	2879.8	2878.3	2881.2	2887.2	2890.2	2894.6	2903.5	2903.5	2909.5	2908.0	2915.4
15°	3022.4	3029.8	3031.3	3041.7	3046.2	3053.6	3064.0	3070.0	3070.0	3078.9	3081.8
17.5°	3165.1	3171.0	3177.0	3185.9	3191.8	3196.3	3208.2	3215.6	3214.1	3230.4	3230.4
20°	3275.0	3286.9	3294.3	3300.3	3310.7	3318.1	3327.0	3335.9	3341.9	3352.3	3355.3
22.5°	3382.0	3389.4	3399.8	3407.3	3419.2	3428.1	3438.5	3445.9	3456.3	3469.7	3474.1
25°	3500.9	3512.8	3524.7	3535.1	3544.0	3554.4	3572.2	3588.6	3603.4	3615.3	3619.8
27.5°	3665.8	3679.2	3697.0	3704.5	3717.8	3726.7	3753.5	3774.3	3781.7	3802.5	3808.5
30°	3888.7	3903.6	3921.4	3930.3	3954.1	3966.0	3994.2	4016.5	4023.9	4049.2	4053.7
32.5°	4211.2	4220.1	4255.7	4254.3	4287.0	4321.1	4337.5	4355.3	4388.0	4401.4	4405.8
35°	4658.4	4679.2	4704.5	4703.0	4744.6	4763.9	4796.6	4815.9	4839.7	4838.2	4863.5
37.5°	5090.8	5098.3	5107.2	5126.5	5156.2	5183.0	5194.9	5214.2	5232.0	5258.8	5291.4
40°	5561.9	5579.7	5581.2	5591.6	5606.5	5640.6	5662.9	5683.7	5744.7	5783.3	5802.6
42.5°	6267.7	6263.3	6233.5	6252.9	6261.8	6313.8	6330.1	6394.0	6462.4	6544.1	6566.4
45°	7175.6	7116.2	7098.4	7090.9	7138.5	7165.2	7232.1	7351.0	7422.3	7499.6	7536.7
47.5°	8293.1	8107.3	8019.6	8000.3	8049.4	8163.8	8186.1	8303.5	8397.1	8453.5	8490.7
50°	9412.0	9266.4	9082.1	9019.7	9006.3	9111.8	9137.1	9235.1	9330.2	9346.6	9327.3
52.5°	10817.7	10579.9	10275.3	10165.3	10077.7	10085.1	10105.9	10147.5	10208.4	10183.2	10131.2
55°	12615.7	12345.2	12195.1	11987.1	11854.9	11831.1	11740.5	11615.6	11611.2	11627.5	11471.5
57.5°	15609.9	15496.9	15560.8	15538.5	15407.8	15486.5	15077.9	14962.0	14869.9	14709.4	14565.2
60°	19063.2	19179.1	19311.3	19616.0	19602.6	19908.7	19624.9	19553.5	19467.4	18972.5	18730.3
62.5°	21118.2	21164.3	21359.0	21642.8	21922.1	22214.9	22347.1	22393.2	22213.4	21809.2	21304.0
65°	20760.1	20963.7	21152.4	21397.6	21684.4	21977.1	22256.5	22419.9	22378.3	22110.9	21555.1
67.5°	19133.0	19347.0	19623.4	19880.5	20189.5	20443.6	20749.7	21049.9	21058.8	20925.1	20538.7
70°	16758.5	17006.6	17291.9	17436.1	17770.4	18000.7	18254.8	18552.0	18648.6	18665.0	18214.7
72.5°	13624.6	13728.6	13868.3	13792.5	13859.4	14006.5	13938.2	13961.9	13594.9	13663.3	13107.5
75°	8297.5	8202.4	7780.4	7395.5	6926.0	6564.9	6651.1	5961.6	5282.5	5248.4	4758.0
77.5°	4208.2	4056.6	3795.1	3523.2	3124.9	2668.8	2288.4	1878.2	1532.0	1334.4	1145.7
80°	3584.1	3477.1	3333.0	3135.3	2845.6	2508.3	2111.5	1799.5	1509.7	1208.1	967.4
82.5°	3429.6	3102.7	2893.1	2728.2	2414.7	2102.6	1885.7	1671.7	1466.6	1280.9	1014.9
85°	1701.4	1505.3	1273.5	1129.3	869.3	680.6	637.5	524.5	488.9	377.4	318.0
87.5°	572.1	468.1	349.2	294.2	234.8	191.7	188.7	167.9	166.4	151.6	139.7
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9
2.5°	2460.7	2463.7	2463.7	2460.7	2462.2	2459.2	2460.7	2462.2	2457.8	2456.3	2451.8
5°	2521.6	2520.2	2520.2	2521.6	2526.1	2527.6	2520.2	2523.1	2524.6	2517.2	2500.8
7.5°	2622.7	2622.7	2627.2	2625.7	2634.6	2631.6	2630.1	2630.1	2630.1	2615.3	2588.5
10°	2759.4	2759.4	2763.9	2769.8	2771.3	2768.3	2768.3	2769.8	2777.2	2747.5	2705.9
12.5°	2912.5	2919.9	2918.4	2918.4	2936.2	2931.8	2925.8	2931.8	2939.2	2897.6	2838.2
15°	3083.3	3087.8	3090.8	3101.2	3098.2	3108.6	3111.6	3108.6	3116.0	3062.5	2963.0
17.5°	3237.9	3246.8	3249.8	3261.6	3261.6	3263.1	3275.0	3270.6	3272.1	3211.1	3068.5
20°	3365.7	3374.6	3379.0	3392.4	3395.4	3401.3	3405.8	3408.8	3416.2	3343.4	3154.7
22.5°	3493.5	3500.9	3508.3	3517.2	3529.1	3536.5	3542.5	3545.5	3558.8	3474.1	3236.4
25°	3636.1	3652.5	3659.9	3674.7	3686.6	3698.5	3707.4	3708.9	3731.2	3625.7	3303.3
27.5°	3826.3	3848.6	3860.5	3884.3	3896.1	3908.0	3905.1	3922.9	3954.1	3799.6	3355.3
30°	4075.9	4104.2	4111.6	4135.4	4154.7	4166.6	4180.0	4194.8	4215.6	3992.7	3380.5
32.5°	4423.7	4466.8	4477.2	4490.5	4518.8	4539.6	4548.5	4572.3	4578.2	4175.5	3373.1
35°	4900.6	4881.3	4931.9	4943.7	4983.9	5000.2	5010.6	5041.8	5018.0	4374.6	3324.1
37.5°	5331.6	5325.6	5374.7	5401.4	5453.4	5441.5	5466.8	5487.6	5402.9	4515.8	3233.4
40°	5857.6	5850.2	5918.5	5927.4	6007.7	5989.8	6000.2	6016.6	5827.9	4613.9	3068.5
42.5°	6591.7	6594.6	6667.4	6676.4	6686.8	6719.4	6665.9	6668.9	6279.6	4640.6	2796.5
45°	7559.0	7611.0	7566.4	7567.9	7564.9	7502.5	7435.7	7356.9	6749.2	4548.5	2445.9
47.5°	8496.6	8461.0	8404.5	8352.5	8309.4	8211.3	8113.3	7979.5	7154.8	4330.0	2055.1
50°	9299.0	9218.8	9168.3	9024.1	8921.6	8793.8	8657.1	8504.1	7487.7	4015.0	1689.5
52.5°	10045.0	9961.8	9773.1	9623.0	9475.9	9306.5	9147.5	8967.7	7781.9	3655.4	1410.2
55°	11284.3	11211.5	11022.7	10747.8	10566.6	10333.3	10123.7	9880.0	8377.8	3364.2	1225.9
57.5°	14168.5	14106.1	13709.3	13535.5	13296.2	12710.8	12624.6	12244.2	9975.1	3330.0	1117.4
60°	18229.6	17962.1	17632.2	17156.7	16596.5	16403.3	15972.4	15465.7	12545.8	3423.6	1029.8
62.5°	20723.0	20113.7	19629.3	19081.0	18565.4	18122.6	17651.5	17150.8	13860.9	3300.3	921.3
65°	20910.2	20194.0	19553.5	18910.1	18330.6	17779.3	17321.7	16820.9	13432.9	2836.7	780.1
67.5°	19879.0	19124.1	18425.7	17696.1	17110.7	16612.9	16030.4	15548.9	12226.4	2208.1	649.4
70°	17752.6	17089.9	16488.0	15702.0	15216.1	14609.8	14239.8	13638.0	10657.2	1505.3	536.4
72.5°	12786.6	12287.3	12091.1	11542.8	10906.8	10550.2	10379.3	9795.3	7875.5	934.7	438.4
75°	4319.6	4443.0	4160.6	3728.2	3939.2	3613.8	3746.1	3468.2	3331.5	536.4	368.5
77.5°	958.4	900.5	832.1	772.7	768.2	722.2	765.3	723.7	774.2	341.8	325.4
80°	756.3	597.3	508.2	463.6	439.8	426.5	416.1	404.2	368.5	291.2	300.2
82.5°	817.3	616.7	451.7	361.1	309.1	289.8	285.3	273.4	270.4	282.3	303.1
85°	261.5	218.4	185.7	175.3	162.0	154.5	151.6	147.1	178.3	307.6	291.2
87.5°	136.7	120.4	107.0	102.5	89.2	83.2	81.7	83.2	124.8	307.6	211.0
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: P158165

CATALOG NUMBER: VTS-F09-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9
2.5°	2447.4	2445.9	2442.9	2441.4	2439.9	2432.5	2438.4
5°	2493.4	2478.6	2465.2	2448.8	2439.9	2432.5	2432.5
7.5°	2563.3	2521.6	2487.5	2450.3	2425.1	2405.7	2402.8
10°	2650.9	2570.7	2491.9	2425.1	2377.5	2341.8	2337.4
12.5°	2734.1	2612.3	2487.5	2377.5	2303.2	2252.7	2249.7
15°	2811.4	2634.6	2453.3	2291.3	2179.9	2113.0	2105.6
17.5°	2872.3	2621.2	2376.0	2171.0	2019.4	1940.6	1936.2
20°	2885.7	2567.7	2266.1	2022.4	1861.9	1778.7	1759.4
22.5°	2873.8	2471.1	2129.4	1858.9	1674.7	1591.4	1581.0
25°	2838.2	2353.7	1960.0	1668.7	1497.8	1413.1	1392.3
27.5°	2774.3	2215.5	1777.2	1484.5	1315.1	1233.3	1212.5
30°	2679.2	2049.1	1582.5	1312.1	1136.7	1071.4	1050.6
32.5°	2546.9	1847.0	1390.8	1135.3	989.6	937.6	928.7
35°	2364.1	1615.2	1190.2	989.6	882.7	851.4	847.0
37.5°	2130.8	1383.4	1022.3	885.6	808.4	789.0	786.1
40°	1826.2	1145.7	903.5	811.3	754.9	738.5	735.5
42.5°	1512.7	967.4	815.8	751.9	705.8	691.0	686.5
45°	1237.8	847.0	750.4	702.9	659.8	643.4	641.9
47.5°	1032.7	777.1	696.9	658.3	615.2	595.9	597.3
50°	882.7	713.3	652.3	619.6	570.6	552.8	554.3
52.5°	780.1	649.4	610.7	573.6	532.0	514.1	514.1
55°	699.9	597.3	570.6	530.5	497.8	481.4	480.0
57.5°	634.5	555.7	532.0	499.3	466.6	447.3	447.3
60°	594.4	526.0	506.7	477.0	438.4	417.6	416.1
62.5°	570.6	517.1	500.8	459.2	416.1	395.3	390.8
65°	552.8	537.9	517.1	448.8	398.2	375.9	371.5
67.5°	554.3	586.9	557.2	454.7	392.3	359.6	353.7
70°	563.2	625.6	585.5	468.1	417.6	352.2	338.8
72.5°	518.6	566.1	527.5	445.8	407.1	338.8	322.5
75°	432.4	413.1	378.9	362.6	365.5	307.6	301.6
77.5°	350.7	307.6	274.9	288.3	307.6	263.0	257.1
80°	304.6	249.6	233.3	255.6	279.4	224.4	209.5
82.5°	285.3	211.0	200.6	266.0	292.7	193.2	169.4
85°	251.1	172.4	157.5	313.5	292.7	145.6	135.2
87.5°	167.9	102.5	98.1	230.3	200.6	101.0	81.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)