

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: P158163

Luminaire Tested: **VTS-F09-LED-E1-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158163
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-SL2-8030
Description: VENTUS LED SITE LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

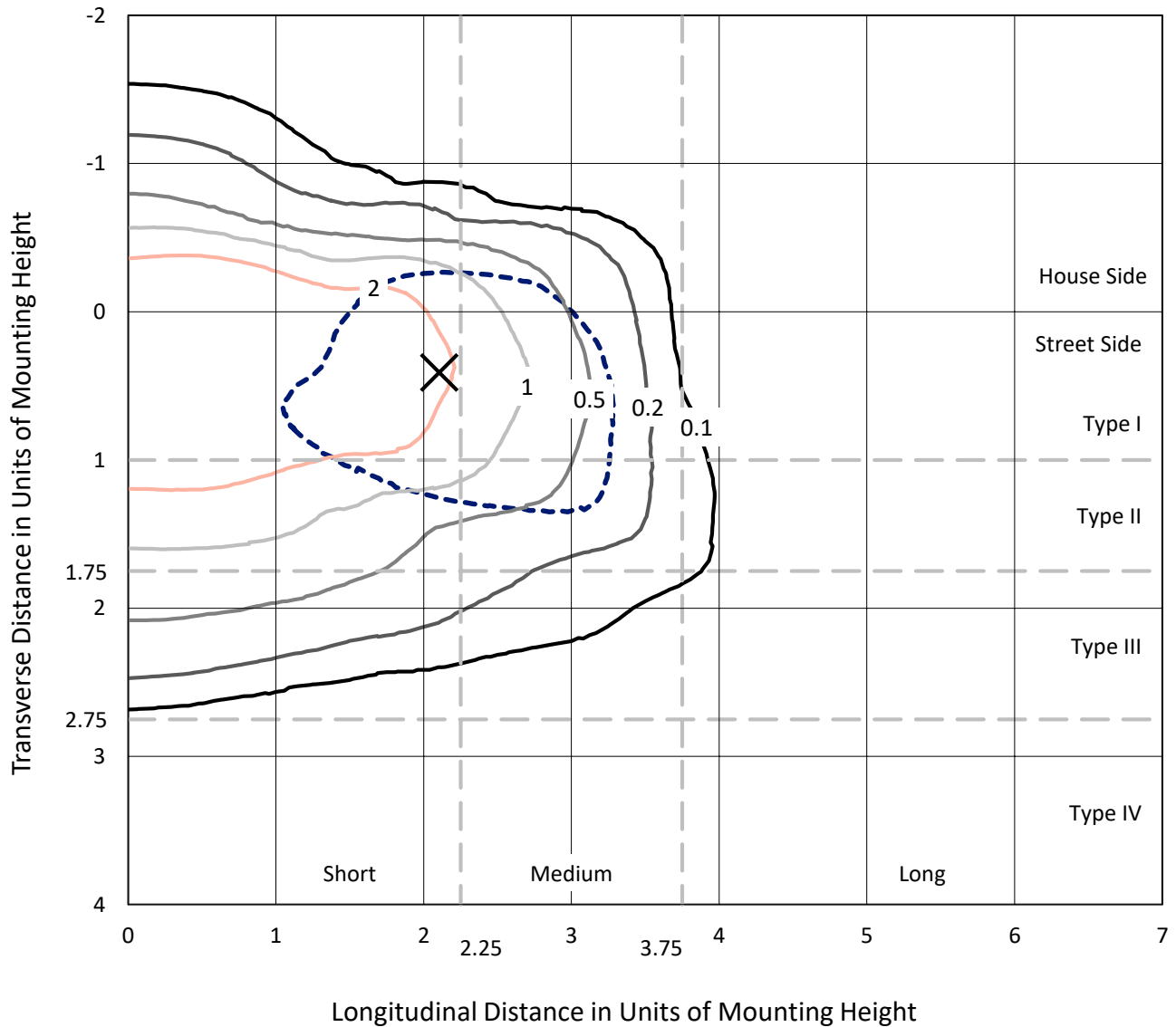
Lumens per Lamp: N/A
Luminaire Lumens: 18866.8 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

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

REPORT NUMBER: P158163
 CATALOG NUMBER: VTS-F09-LED-E1-SL2-8030

Iso-Footcandle Lines of Horizontal Illumination

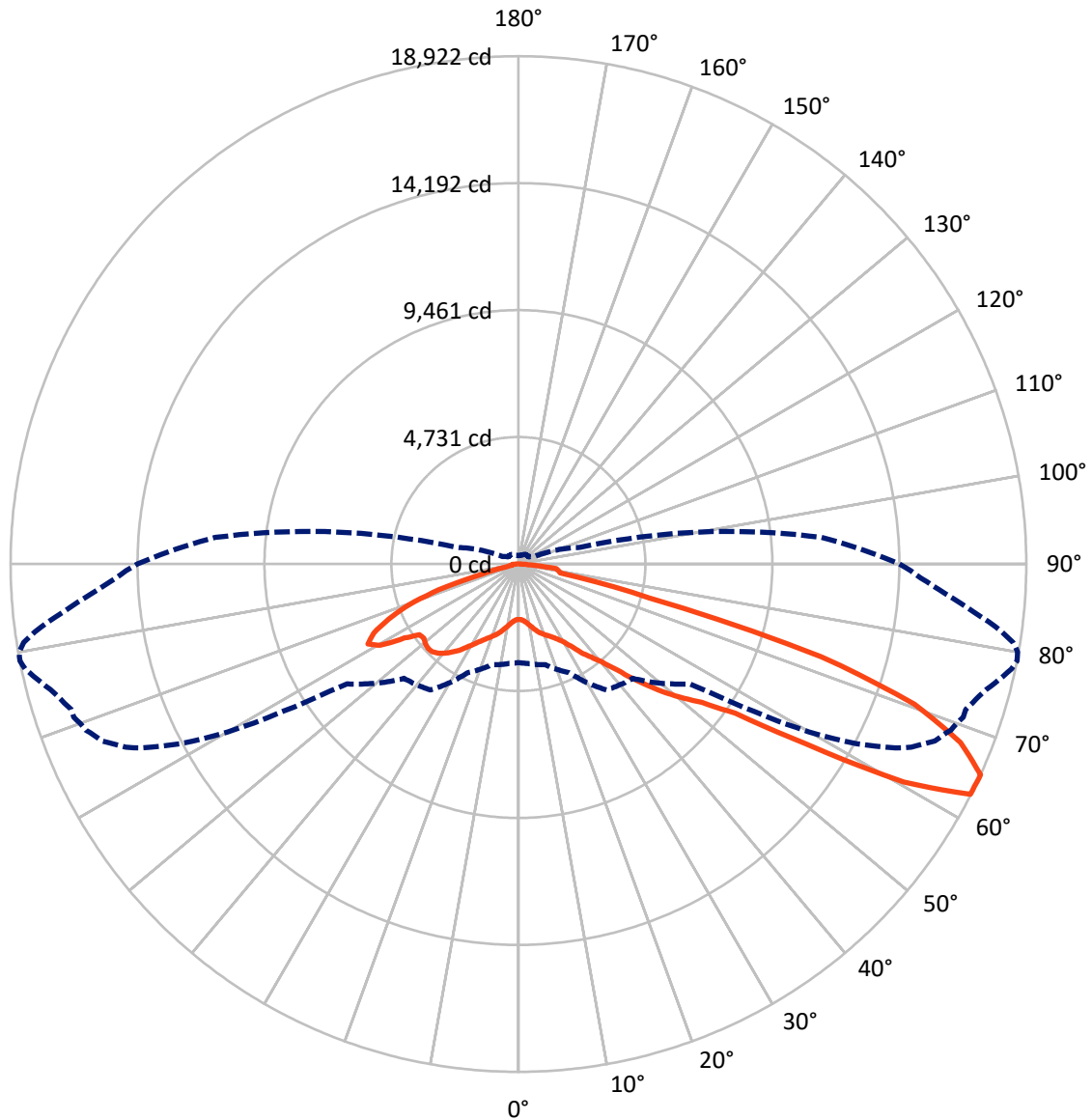
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158163
CATALOG NUMBER: VTS-F09-LED-E1-SL2-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P158163

CATALOG NUMBER: VTS-F09-LED-E1-SL2-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4335.2	0.0	4335.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	14531.6	0.0	14531.6
	% Fixture	77.0	0.0	77.0
Total	Lumens	18866.8	0.0	18866.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.2	1.1
10°-20°	663.3	3.5
20°-30°	1143.5	6.1
30°-40°	1873.0	9.9
40°-50°	3136.7	16.6
50°-60°	4242.8	22.5
60°-70°	5225.0	27.7
70°-80°	2022.6	10.7
80°-90°	355.7	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°	18866.8	100.0
0°-180°	18866.8	100.0



REPORT NUMBER: P158163

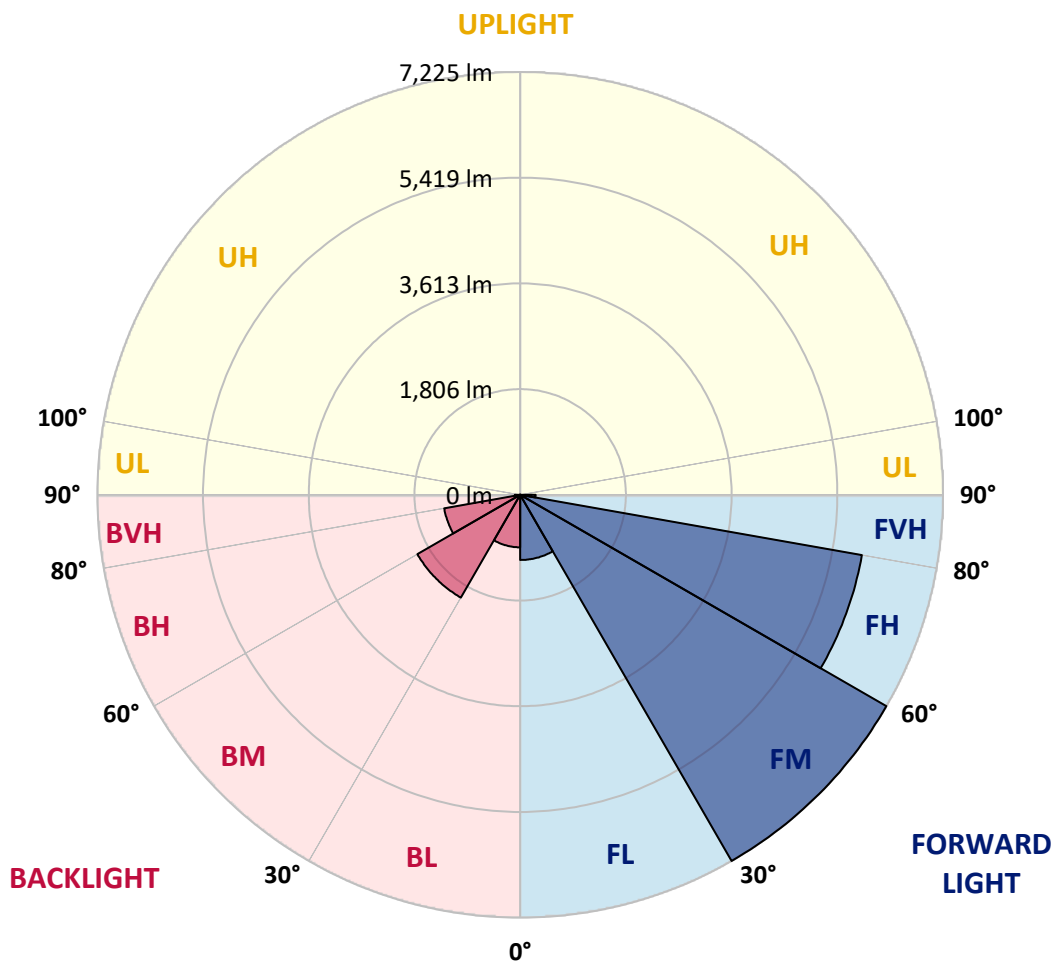
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1113.8	5.9			
FM (30°-60°)	7225.2	38.3			
FH (60°-80°)	5928.6	31.4			G3/7500
FVH (80°-90°)	263.9	1.4			G3/500
BL (0°-30°)	897.2	4.8	B2/1000		
BM (30°-60°)	2027.4	10.7	B2/2500		
BH (60°-80°)	1318.9	7.0	B3/2500		G3/2500
BVH (80°-90°)	91.8	0.5			G1/100
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





REPORT NUMBER: P158163

CATALOG NUMBER: VTS-F09-LED-E1-SL2-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3
2.5°	2068.1	2061.8	2068.1	2073.1	2076.8	2081.8	2080.6	2079.3	2078.1	2079.3	2079.3
5°	2085.6	2084.4	2090.6	2095.6	2104.4	2110.7	2118.2	2118.2	2118.2	2117.0	2119.5
7.5°	2142.0	2140.8	2147.1	2152.1	2159.6	2172.1	2182.2	2187.2	2185.9	2185.9	2185.9
10°	2234.8	2229.8	2229.8	2229.8	2239.9	2248.6	2271.2	2273.7	2278.7	2276.2	2277.5
12.5°	2325.1	2326.4	2322.6	2318.9	2320.1	2337.7	2370.3	2376.6	2377.8	2381.6	2384.1
15°	2406.7	2405.4	2396.6	2387.9	2399.1	2429.2	2471.9	2483.2	2483.2	2490.7	2495.7
17.5°	2481.9	2479.4	2463.1	2448.1	2459.3	2510.8	2577.2	2584.7	2596.0	2599.8	2604.8
20°	2571.0	2565.9	2547.1	2507.0	2507.0	2577.2	2665.0	2672.5	2682.6	2685.1	2693.9
22.5°	2695.1	2682.6	2642.4	2569.7	2549.6	2631.2	2739.0	2742.8	2750.3	2760.3	2767.9
25°	2835.6	2838.1	2772.9	2646.2	2602.3	2687.6	2810.5	2816.8	2830.6	2838.1	2846.9
27.5°	2981.1	2984.8	2912.1	2754.1	2680.1	2765.3	2907.1	2914.6	2930.9	2939.7	2953.5
30°	3146.6	3151.6	3081.4	2922.1	2809.2	2879.5	3050.0	3070.1	3083.9	3095.2	3117.8
32.5°	3544.2	3514.1	3465.1	3295.8	3117.8	3112.7	3280.8	3303.4	3322.2	3346.0	3367.3
35°	4044.5	4063.4	4088.4	3974.3	3817.6	3703.4	3717.2	3704.7	3722.2	3757.4	3778.7
37.5°	4440.9	4482.2	4591.3	4665.3	4659.1	4636.5	4425.8	4425.8	4437.1	4418.3	4415.8
40°	4751.9	4778.2	5001.4	5288.6	5530.7	5649.8	5483.0	5459.2	5471.7	5375.2	5378.9
42.5°	4912.4	4951.3	5272.3	5776.5	6256.8	6639.3	6587.9	6571.6	6534.0	6510.2	6495.1
45°	4993.9	5040.3	5422.8	6115.1	6814.9	7405.6	7671.5	7669.0	7635.1	7607.5	7595.0
47.5°	4952.5	4992.7	5400.3	6217.9	7108.4	7899.7	8487.9	8524.3	8514.2	8554.4	8570.7
50°	4681.6	4733.1	5141.9	5996.0	6985.5	8094.1	9053.5	9121.2	9212.8	9270.5	9347.0
52.5°	4437.1	4479.7	4848.4	5636.0	6581.6	7936.1	9394.6	9533.9	9659.3	9777.2	9868.7
55°	4181.2	4223.9	4547.5	5262.3	6174.1	7469.6	9550.2	9753.3	9949.0	10148.4	10331.5
57.5°	4084.7	4129.8	4370.6	4972.6	5840.5	7006.8	9626.7	9960.3	10278.8	10617.4	10968.6
60°	4335.5	4375.6	4558.7	4980.1	5585.9	6544.0	9472.4	9996.6	10544.7	11102.8	11642.0
62.5°	4259.0	4280.3	4508.6	5162.0	5910.7	6087.5	8804.0	9496.2	10292.6	11110.3	11936.8
65°	3674.6	3716.0	3887.8	4462.2	5728.8	6026.1	7785.6	8481.6	9421.0	10387.9	11495.3
67.5°	2636.2	2578.5	2711.4	3214.3	4444.6	6016.0	6639.3	7154.8	7890.9	8632.1	9540.1
70°	1197.7	1170.1	1274.2	1671.7	2681.3	4754.4	5613.5	5787.8	6061.2	6560.3	7173.6
72.5°	472.8	471.6	539.3	691.0	1267.9	3060.1	4720.5	4820.9	4917.4	5134.4	5399.0
75°	309.8	309.8	329.8	372.5	624.6	1477.4	3993.1	4084.7	4232.7	4294.1	4407.0
77.5°	233.3	234.5	243.3	253.3	344.9	777.6	2818.0	3142.8	3393.7	3580.5	3717.2
80°	165.5	173.1	189.4	195.6	224.5	442.7	1592.7	1827.3	2110.7	2412.9	2792.9
82.5°	124.2	132.9	160.5	168.1	178.1	252.1	718.6	815.2	951.9	1234.1	1774.6
85°	57.7	64.0	110.4	120.4	129.2	145.5	365.0	407.6	462.8	506.7	590.7
87.5°	8.8	6.3	18.8	26.3	41.4	42.6	125.4	149.2	161.8	194.4	201.9
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: P158163

CATALOG NUMBER: VTS-F09-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3
2.5°	2079.3	2080.6	2081.8	2079.3	2080.6	2080.6	2078.1	2076.8	2076.8	2076.8	2078.1
5°	2119.5	2122.0	2119.5	2120.7	2125.7	2124.5	2122.0	2120.7	2125.7	2127.0	2123.2
7.5°	2191.0	2192.2	2187.2	2193.5	2196.0	2197.2	2197.2	2199.7	2199.7	2203.5	2199.7
10°	2282.5	2282.5	2291.3	2290.0	2291.3	2293.8	2295.0	2300.1	2303.8	2303.8	2306.3
12.5°	2387.9	2389.1	2397.9	2399.1	2404.2	2405.4	2412.9	2407.9	2420.5	2420.5	2424.2
15°	2497.0	2505.7	2507.0	2519.5	2522.0	2523.3	2533.3	2533.3	2542.1	2543.4	2545.9
17.5°	2604.8	2612.3	2617.4	2627.4	2636.2	2639.9	2643.7	2651.2	2657.5	2660.0	2666.3
20°	2697.6	2705.1	2710.2	2720.2	2727.7	2734.0	2737.8	2746.5	2752.8	2755.3	2764.1
22.5°	2775.4	2780.4	2789.2	2803.0	2805.5	2813.0	2824.3	2830.6	2833.1	2840.6	2850.6
25°	2858.1	2865.7	2870.7	2883.2	2893.3	2905.8	2915.8	2925.9	2928.4	2938.4	2947.2
27.5°	2968.5	2976.0	2977.3	3002.4	3012.4	3030.0	3041.3	3056.3	3063.8	3072.6	3090.2
30°	3131.5	3149.1	3156.6	3185.5	3190.5	3210.6	3230.6	3235.6	3246.9	3248.2	3277.0
32.5°	3381.1	3406.2	3416.2	3446.3	3453.9	3472.7	3484.0	3510.3	3511.5	3524.1	3530.4
35°	3790.0	3783.7	3822.6	3830.1	3852.7	3869.0	3880.3	3880.3	3904.1	3905.3	3912.9
37.5°	4348.0	4335.5	4345.5	4300.4	4311.7	4291.6	4287.8	4292.9	4282.8	4285.3	4284.1
40°	5241.0	5184.5	5125.6	4986.4	4956.3	4898.6	4853.5	4817.1	4782.0	4744.4	4719.3
42.5°	6360.9	6279.4	6191.6	5968.4	5864.3	5752.7	5643.6	5580.9	5455.4	5378.9	5337.6
45°	7534.8	7439.5	7316.6	7130.9	6983.0	6863.8	6664.4	6570.4	6376.0	6279.4	6149.0
47.5°	8496.7	8497.9	8398.9	8210.7	8052.7	7973.7	7849.6	7667.7	7447.0	7322.8	7090.8
50°	9338.2	9337.0	9330.7	9217.8	9107.4	9020.9	8911.8	8747.5	8566.9	8426.5	8160.6
52.5°	9960.3	10043.0	10078.1	10076.9	10063.1	10023.0	9940.2	9798.5	9615.4	9536.4	9324.4
55°	10474.4	10655.0	10749.1	10954.8	10973.6	11040.1	10967.3	10968.6	10860.7	10868.2	10800.5
57.5°	11253.3	11583.1	11772.5	12227.7	12456.0	12731.9	12683.0	12913.7	12997.7	13104.3	13246.1
60°	12137.4	12753.2	13202.2	14107.6	14476.4	14922.8	15168.6	15430.7	15621.4	15817.0	15961.2
62.5°	12769.5	13578.4	14315.8	15606.3	16085.4	16555.7	16865.5	17182.8	17397.2	17537.7	17641.8
65°	12511.1	13405.3	14276.9	15630.1	16151.9	16493.0	16861.7	17044.8	17259.3	17375.9	17525.1
67.5°	10631.2	11527.9	12462.2	14058.7	14604.3	15075.8	15363.0	15600.0	15773.1	15921.1	16092.9
70°	7906.0	8886.7	9852.4	11603.2	12291.7	12972.7	13311.3	13604.7	13785.3	13934.6	14123.9
72.5°	5690.0	6304.5	6907.7	8867.9	9556.4	10436.8	10788.0	11114.0	11348.6	11341.0	11541.7
75°	4529.9	4779.5	5047.8	6059.9	6554.1	7296.5	7493.4	7676.5	7566.1	7354.2	7341.6
77.5°	3771.2	3874.0	3964.3	4281.6	4354.3	4531.1	4433.3	4331.7	4004.4	3728.5	3583.0
80°	3061.3	3264.5	3397.4	3623.2	3716.0	3768.6	3782.4	3747.3	3626.9	3460.1	3194.3
82.5°	2276.2	2662.5	2925.9	3369.8	3532.9	3566.7	3631.9	3591.8	3512.8	3377.4	3186.7
85°	667.2	755.0	865.3	1173.9	1375.8	1547.6	1723.2	1809.7	1863.6	1788.4	1591.5
87.5°	234.5	264.6	296.0	407.6	433.9	524.2	514.2	607.0	610.8	637.1	609.5
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: P158163

CATALOG NUMBER: VTS-F09-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3
2.5°	2076.8	2076.8	2076.8	2078.1	2078.1	2078.1	2075.6	2074.3	2075.6	2078.1	2078.1
5°	2125.7	2127.0	2129.5	2124.5	2125.7	2129.5	2127.0	2125.7	2127.0	2129.5	2127.0
7.5°	2204.7	2206.0	2203.5	2208.5	2208.5	2211.0	2214.8	2211.0	2212.3	2213.5	2214.8
10°	2307.6	2308.8	2311.4	2315.1	2316.4	2318.9	2321.4	2325.1	2325.1	2322.6	2328.9
12.5°	2430.5	2429.2	2431.7	2436.8	2439.3	2443.0	2450.6	2450.6	2455.6	2454.3	2460.6
15°	2550.9	2557.2	2558.4	2567.2	2571.0	2577.2	2586.0	2591.0	2591.0	2598.5	2601.1
17.5°	2671.3	2676.3	2681.3	2688.8	2693.9	2697.6	2707.7	2713.9	2712.7	2726.5	2726.5
20°	2764.1	2774.1	2780.4	2785.4	2794.2	2800.5	2808.0	2815.5	2820.5	2829.3	2831.8
22.5°	2854.4	2860.7	2869.4	2875.7	2885.7	2893.3	2902.0	2908.3	2917.1	2928.4	2932.1
25°	2954.7	2964.7	2974.8	2983.6	2991.1	2999.9	3014.9	3028.7	3041.3	3051.3	3055.0
27.5°	3093.9	3105.2	3120.3	3126.5	3137.8	3145.3	3167.9	3185.5	3191.7	3209.3	3214.3
30°	3282.0	3294.6	3309.6	3317.2	3337.2	3347.3	3371.1	3389.9	3396.2	3417.5	3421.3
32.5°	3554.2	3561.7	3591.8	3590.6	3618.1	3647.0	3660.8	3675.8	3703.4	3714.7	3718.5
35°	3931.7	3949.2	3970.6	3969.3	4004.4	4020.7	4048.3	4064.6	4084.7	4083.4	4104.7
37.5°	4296.6	4302.9	4310.4	4326.7	4351.8	4374.4	4384.4	4400.7	4415.8	4438.3	4465.9
40°	4694.2	4709.2	4710.5	4719.3	4731.8	4760.7	4779.5	4797.0	4848.4	4881.1	4897.4
42.5°	5289.9	5286.1	5261.1	5277.4	5284.9	5328.8	5342.6	5396.5	5454.2	5523.2	5542.0
45°	6056.2	6006.0	5991.0	5984.7	6024.8	6047.4	6103.8	6204.2	6264.3	6329.6	6360.9
47.5°	6999.3	6842.5	6768.5	6752.2	6793.6	6890.2	6909.0	7008.0	7087.1	7134.7	7166.1
50°	7943.6	7820.7	7665.2	7612.5	7601.2	7690.3	7711.6	7794.4	7874.6	7888.4	7872.1
52.5°	9130.0	8929.4	8672.3	8579.5	8505.5	8511.7	8529.3	8564.4	8615.8	8594.5	8550.6
55°	10647.5	10419.3	10292.6	10117.0	10005.4	9985.3	9908.8	9803.5	9799.7	9813.5	9681.8
57.5°	13174.6	13079.3	13133.2	13114.4	13004.0	13070.5	12725.6	12627.8	12550.0	12414.6	12292.9
60°	16089.2	16187.0	16298.6	16555.7	16544.4	16802.8	16563.2	16503.0	16430.3	16012.7	15808.2
62.5°	17823.6	17862.5	18026.8	18266.3	18502.1	18749.2	18860.8	18899.6	18747.9	18406.8	17980.4
65°	17521.4	17693.2	17852.5	18059.4	18301.4	18548.5	18784.3	18922.2	18887.1	18661.4	18192.3
67.5°	16148.1	16328.7	16562.0	16778.9	17039.8	17254.2	17512.6	17765.9	17773.4	17660.6	17334.5
70°	14144.0	14353.4	14594.2	14715.9	14998.1	15192.5	15406.9	15657.7	15739.3	15753.1	15373.1
72.5°	11499.1	11586.9	11704.7	11640.8	11697.2	11821.4	11763.7	11783.7	11474.0	11531.7	11062.6
75°	7003.0	6922.8	6566.6	6241.8	5845.5	5540.7	5613.5	5031.5	4458.4	4429.6	4015.7
77.5°	3551.7	3423.8	3203.0	2973.5	2637.4	2252.4	1931.4	1585.2	1293.0	1126.2	966.9
80°	3024.9	2934.7	2813.0	2646.2	2401.6	2117.0	1782.1	1518.7	1274.2	1019.6	816.4
82.5°	2894.5	2618.6	2441.8	2302.6	2038.0	1774.6	1591.5	1410.9	1237.8	1081.1	856.6
85°	1436.0	1270.4	1074.8	953.1	733.7	574.4	538.0	442.7	412.6	318.5	268.4
87.5°	482.8	395.0	294.7	248.3	198.2	161.8	159.3	141.7	140.5	127.9	117.9
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: P158163

CATALOG NUMBER: VTS-F09-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3
2.5°	2076.8	2079.3	2079.3	2076.8	2078.1	2075.6	2076.8	2078.1	2074.3	2073.1	2069.3
5°	2128.2	2127.0	2127.0	2128.2	2132.0	2133.3	2127.0	2129.5	2130.8	2124.5	2110.7
7.5°	2213.5	2213.5	2217.3	2216.0	2223.6	2221.1	2219.8	2219.8	2219.8	2207.3	2184.7
10°	2328.9	2328.9	2332.7	2337.7	2338.9	2336.4	2336.4	2337.7	2344.0	2318.9	2283.8
12.5°	2458.1	2464.4	2463.1	2463.1	2478.1	2474.4	2469.4	2474.4	2480.7	2445.5	2395.4
15°	2602.3	2606.1	2608.6	2617.4	2614.8	2623.6	2626.1	2623.6	2629.9	2584.7	2500.7
17.5°	2732.7	2740.3	2742.8	2752.8	2752.8	2754.1	2764.1	2760.3	2761.6	2710.2	2589.8
20°	2840.6	2848.1	2851.9	2863.2	2865.7	2870.7	2874.5	2877.0	2883.2	2821.8	2662.5
22.5°	2948.4	2954.7	2961.0	2968.5	2978.5	2984.8	2989.8	2992.3	3003.6	2932.1	2731.5
25°	3068.8	3082.6	3088.9	3101.4	3111.5	3121.5	3129.0	3130.3	3149.1	3060.1	2787.9
27.5°	3229.4	3248.2	3258.2	3278.3	3288.3	3298.3	3295.8	3310.9	3337.2	3206.8	2831.8
30°	3440.1	3463.9	3470.2	3490.2	3506.5	3516.6	3527.9	3540.4	3557.9	3369.8	2853.1
32.5°	3733.5	3769.9	3778.7	3790.0	3813.8	3831.3	3838.9	3858.9	3864.0	3524.1	2846.9
35°	4136.1	4119.8	4162.4	4172.5	4206.3	4220.1	4228.9	4255.2	4235.2	3692.1	2805.5
37.5°	4499.8	4494.8	4536.2	4558.7	4602.6	4592.6	4613.9	4631.5	4560.0	3811.3	2729.0
40°	4943.8	4937.5	4995.2	5002.7	5070.4	5055.4	5064.2	5077.9	4918.7	3894.1	2589.8
42.5°	5563.3	5565.8	5627.3	5634.8	5643.6	5671.1	5626.0	5628.5	5299.9	3916.6	2360.3
45°	6379.7	6423.6	6386.0	6387.3	6384.7	6332.1	6275.6	6209.2	5696.2	3838.9	2064.3
47.5°	7171.1	7141.0	7093.3	7049.4	7013.1	6930.3	6847.5	6734.6	6038.6	3654.5	1734.5
50°	7848.3	7780.6	7737.9	7616.3	7529.8	7421.9	7306.5	7177.4	6319.5	3388.6	1425.9
52.5°	8477.9	8407.6	8248.4	8121.7	7997.5	7854.6	7720.4	7568.6	6567.8	3085.1	1190.2
55°	9523.8	9462.4	9303.1	9071.1	8918.1	8721.2	8544.3	8338.7	7070.8	2839.3	1034.7
57.5°	11958.1	11905.4	11570.5	11423.8	11221.9	10727.8	10655.0	10334.0	8418.9	2810.5	943.1
60°	15385.6	15159.9	14881.4	14480.1	14007.3	13844.3	13480.6	13052.9	10588.6	2889.5	869.1
62.5°	17490.0	16975.8	16567.0	16104.2	15669.0	15295.3	14897.7	14475.1	11698.5	2785.4	777.6
65°	17648.0	17043.5	16503.0	15960.0	15470.9	15005.6	14619.3	14196.7	11337.3	2394.1	658.4
67.5°	16777.7	16140.6	15551.1	14935.4	14441.2	14021.1	13529.5	13123.2	10318.9	1863.6	548.1
70°	14983.0	14423.7	13915.8	13252.3	12842.2	12330.5	12018.3	11510.3	8994.6	1270.4	452.7
72.5°	10791.7	10370.4	10204.8	9742.0	9205.3	8904.3	8760.1	8267.2	6646.9	788.8	370.0
75°	3645.7	3749.8	3511.5	3146.6	3324.7	3050.0	3161.6	2927.1	2811.7	452.7	311.0
77.5°	808.9	760.0	702.3	652.1	648.4	609.5	645.9	610.8	653.4	288.4	274.7
80°	638.3	504.2	428.9	391.3	371.2	359.9	351.2	341.1	311.0	245.8	253.3
82.5°	689.8	520.5	381.3	304.8	260.9	244.6	240.8	230.8	228.3	238.3	255.8
85°	220.7	184.4	156.8	148.0	136.7	130.4	127.9	124.2	150.5	259.6	245.8
87.5°	115.4	101.6	90.3	86.5	75.2	70.2	69.0	70.2	105.3	259.6	178.1
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: P158163

CATALOG NUMBER: VTS-F09-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3	2064.3
2.5°	2065.5	2064.3	2061.8	2060.5	2059.3	2053.0	2058.0
5°	2104.4	2091.9	2080.6	2066.8	2059.3	2053.0	2053.0
7.5°	2163.4	2128.2	2099.4	2068.1	2046.7	2030.4	2027.9
10°	2237.4	2169.6	2103.2	2046.7	2006.6	1976.5	1972.7
12.5°	2307.6	2204.7	2099.4	2006.6	1943.9	1901.3	1898.7
15°	2372.8	2223.6	2070.6	1933.9	1839.8	1783.4	1777.1
17.5°	2424.2	2212.3	2005.3	1832.3	1704.4	1637.9	1634.1
20°	2435.5	2167.1	1912.5	1706.9	1571.4	1501.2	1484.9
22.5°	2425.5	2085.6	1797.2	1568.9	1413.4	1343.2	1334.4
25°	2395.4	1986.5	1654.2	1408.4	1264.2	1192.7	1175.1
27.5°	2341.4	1869.9	1499.9	1252.9	1109.9	1040.9	1023.4
30°	2261.2	1729.4	1335.6	1107.4	959.4	904.2	886.7
32.5°	2149.6	1558.9	1173.9	958.2	835.2	791.4	783.8
35°	1995.3	1363.2	1004.6	835.2	744.9	718.6	714.9
37.5°	1798.4	1167.6	862.8	747.5	682.2	665.9	663.4
40°	1541.3	966.9	762.5	684.8	637.1	623.3	620.8
42.5°	1276.7	816.4	688.5	634.6	595.7	583.2	579.4
45°	1044.7	714.9	633.3	593.2	556.8	543.0	541.8
47.5°	871.6	655.9	588.2	555.6	519.2	502.9	504.2
50°	744.9	602.0	550.6	523.0	481.6	466.5	467.8
52.5°	658.4	548.1	515.4	484.1	449.0	433.9	433.9
55°	590.7	504.2	481.6	447.7	420.1	406.3	405.1
57.5°	535.5	469.0	449.0	421.4	393.8	377.5	377.5
60°	501.6	444.0	427.7	402.6	370.0	352.4	351.2
62.5°	481.6	436.4	422.6	387.5	351.2	333.6	329.8
65°	466.5	454.0	436.4	378.7	336.1	317.3	313.5
67.5°	467.8	495.4	470.3	383.8	331.1	303.5	298.5
70°	475.3	528.0	494.1	395.0	352.4	297.2	285.9
72.5°	437.7	477.8	445.2	376.2	343.6	285.9	272.1
75°	365.0	348.6	319.8	306.0	308.5	259.6	254.6
77.5°	296.0	259.6	232.0	243.3	259.6	222.0	217.0
80°	257.1	210.7	196.9	215.7	235.8	189.4	176.8
82.5°	240.8	178.1	169.3	224.5	247.1	163.0	143.0
85°	211.9	145.5	132.9	264.6	247.1	122.9	114.1
87.5°	141.7	86.5	82.8	194.4	169.3	85.3	69.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)