

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: P157913

Luminaire Tested: **VTS-F06-LED-E1-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157913
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: MCGRAW-EDISON
Catalog Number: VTS-F06-LED-E1-RW-8030
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13023.7 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

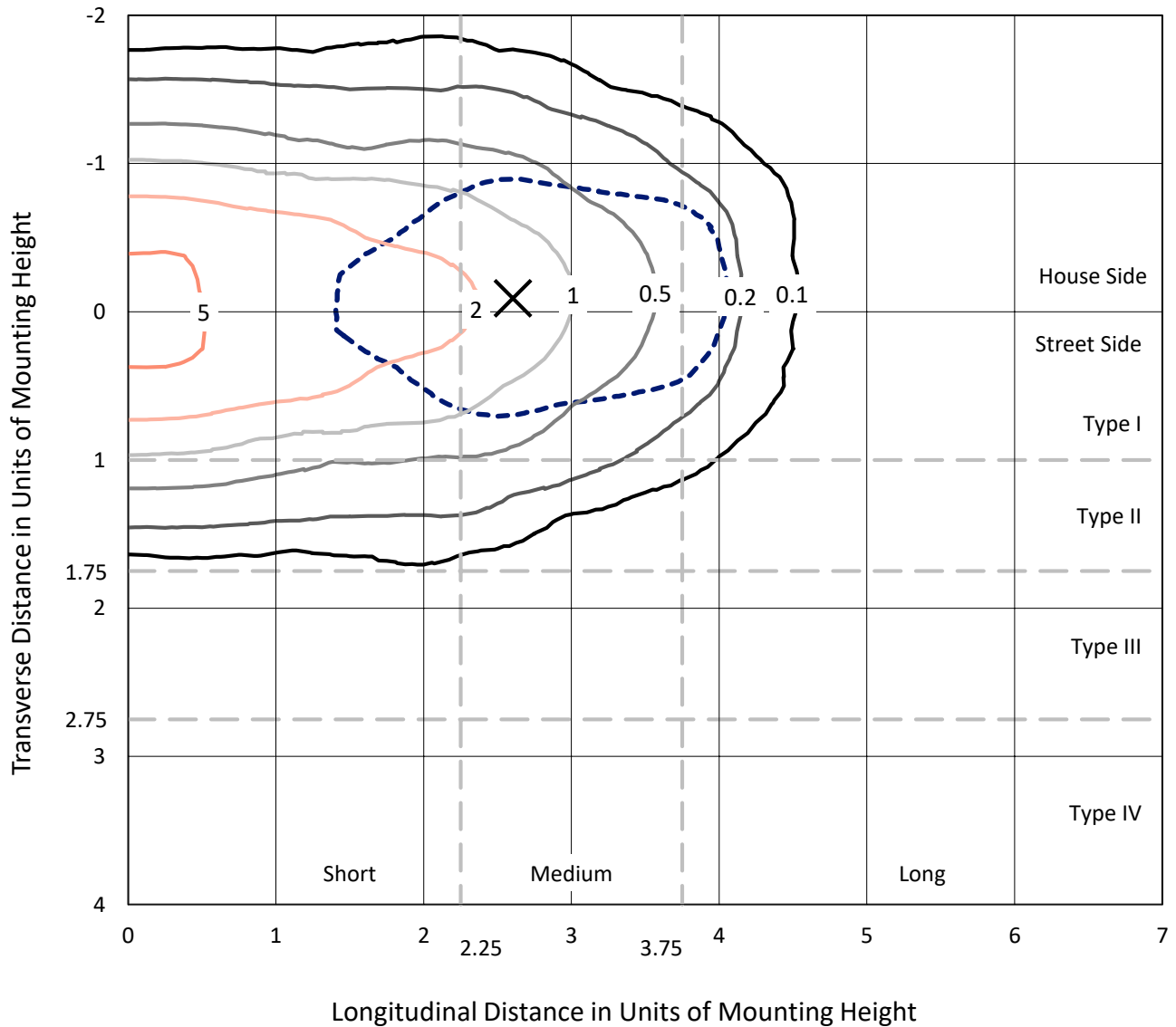
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P157913

CATALOG NUMBER: VTS-F06-LED-E1-RW-8030

Iso-Footcandle Lines of Horizontal Illumination

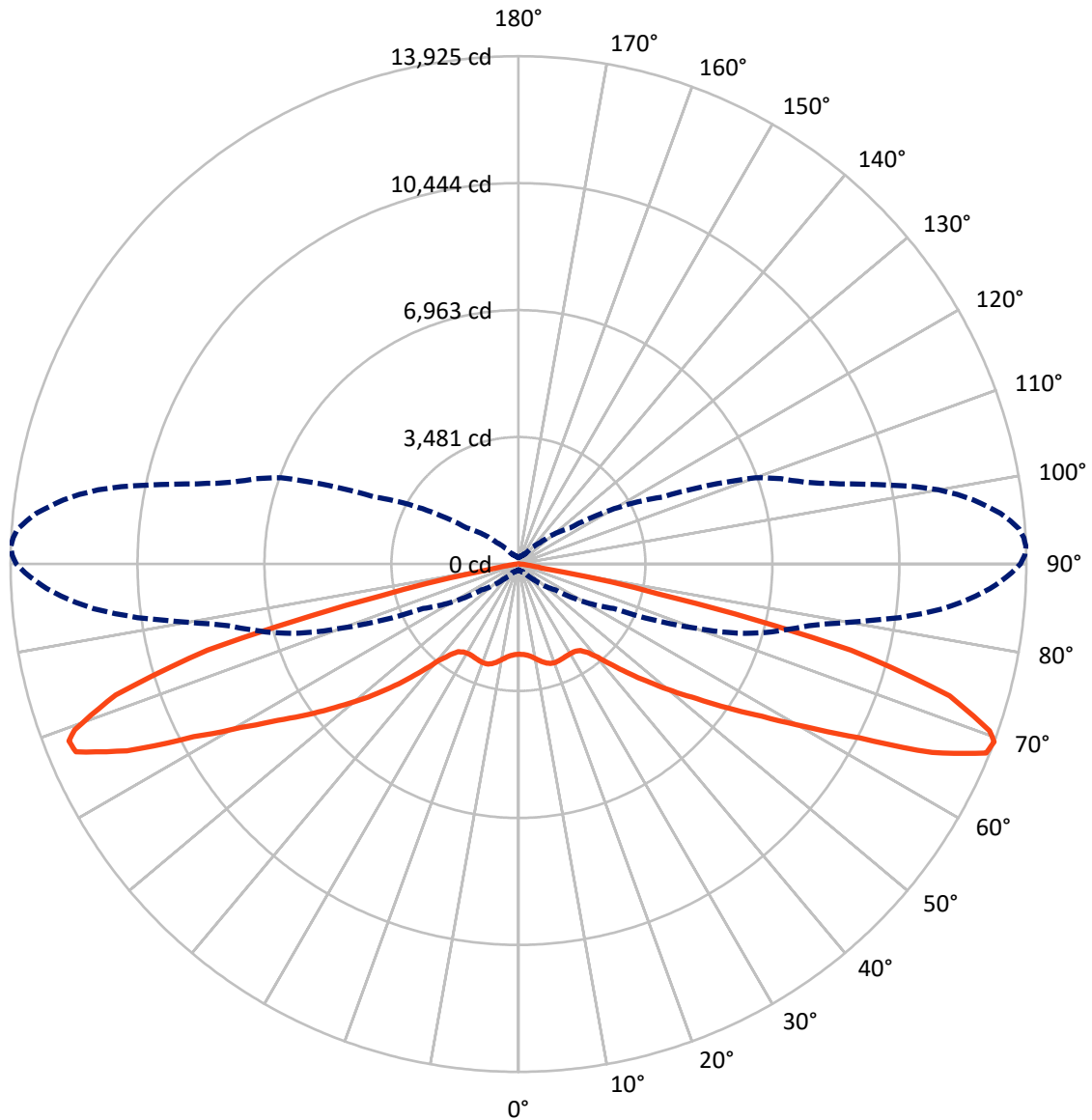
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type I - Short - Full Cutoff

REPORT NUMBER: P157913
CATALOG NUMBER: VTS-F06-LED-E1-RW-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P157913

CATALOG NUMBER: VTS-F06-LED-E1-RW-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6907.2	0.0	6907.2
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	6116.6	0.0	6116.6
	% Fixture	47.0	0.0	47.0
Total	Lumens	13023.7	0.0	13023.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.1	1.9
10°-20°	764.7	5.9
20°-30°	1240.7	9.5
30°-40°	1546.3	11.9
40°-50°	1925.2	14.8
50°-60°	2374.3	18.2
60°-70°	2948.7	22.6
70°-80°	1811.8	13.9
80°-90°	169.8	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°	13023.7	100.0
0°-180°	13023.7	100.0



REPORT NUMBER: P157913

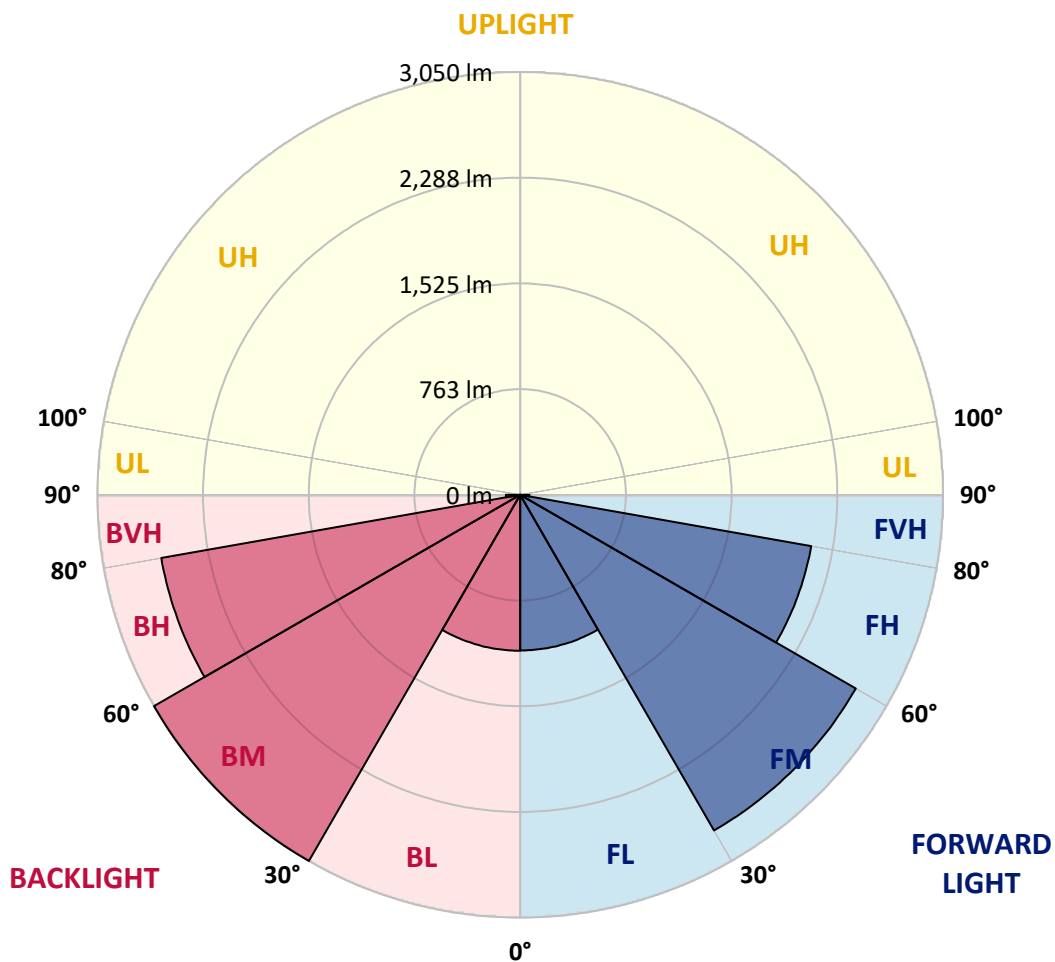
CATALOG NUMBER: VTS-F06-LED-E1-RW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1122.6	8.6			
FM	(30°-60°)	2795.7	21.5			
FH	(60°-80°)	2131.8	16.4			G2/5000
FVH	(80°-90°)	66.5	0.5			G1/100
BL	(0°-30°)	1124.9	8.6	B3/2500		
BM	(30°-60°)	3050.1	23.4	B3/5000		
BH	(60°-80°)	2628.8	20.2	B4/5000		G4/5000
BVH	(80°-90°)	103.3	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 Short





REPORT NUMBER: P157913

CATALOG NUMBER: VTS-F06-LED-E1-RW-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0
2.5°	2513.3	2506.6	2512.4	2513.3	2512.4	2512.4	2504.9	2503.2	2493.2	2495.7	2494.9
5°	2547.5	2545.0	2549.2	2550.9	2552.6	2549.2	2543.4	2540.9	2534.2	2531.7	2530.8
7.5°	2579.3	2575.1	2581.8	2587.7	2591.9	2592.7	2593.5	2589.3	2589.3	2586.0	2586.0
10°	2606.1	2602.7	2613.6	2621.1	2634.5	2642.0	2650.4	2656.2	2659.6	2660.4	2659.6
12.5°	2617.8	2615.3	2632.8	2655.4	2680.5	2698.0	2718.9	2734.0	2738.2	2737.3	2741.5
15°	2597.7	2599.4	2626.1	2670.4	2724.0	2768.3	2797.5	2810.1	2813.4	2815.1	2815.9
17.5°	2543.4	2546.7	2585.2	2657.1	2750.7	2831.0	2874.5	2874.5	2867.8	2867.8	2866.9
20°	2456.4	2459.8	2509.9	2613.6	2751.5	2874.5	2936.3	2923.8	2898.7	2893.7	2888.7
22.5°	2336.0	2349.4	2404.6	2525.0	2715.6	2887.0	2974.8	2956.4	2917.1	2906.2	2898.7
25°	2199.7	2198.1	2264.1	2399.6	2628.6	2856.9	2985.7	2982.3	2940.5	2928.8	2915.4
27.5°	2044.2	2049.2	2110.3	2247.4	2495.7	2769.9	2967.3	3011.6	2977.3	2965.6	2953.0
30°	1884.5	1889.5	1947.2	2106.9	2344.4	2645.4	2929.6	3040.0	3026.6	3017.4	3009.1
32.5°	1724.0	1725.7	1794.2	1965.6	2216.5	2496.5	2872.8	3065.9	3084.3	3080.1	3076.8
35°	1573.5	1575.2	1649.6	1823.5	2090.2	2369.5	2804.2	3103.5	3162.9	3167.9	3171.3
37.5°	1427.2	1429.7	1505.8	1688.1	1965.6	2273.3	2728.1	3161.2	3273.3	3291.7	3295.0
40°	1281.7	1284.2	1357.0	1550.1	1839.4	2188.9	2669.6	3242.3	3422.1	3447.2	3473.1
42.5°	1142.9	1152.1	1214.0	1398.8	1698.9	2084.4	2644.5	3341.0	3598.5	3637.8	3667.1
45°	1013.3	1014.2	1084.4	1257.5	1532.5	1943.1	2627.8	3453.0	3795.8	3855.2	3895.3
47.5°	874.5	884.6	958.2	1126.2	1377.0	1768.3	2574.3	3584.3	4010.7	4080.1	4161.2
50°	739.9	754.1	825.2	991.6	1234.9	1587.7	2430.5	3738.1	4252.3	4342.6	4436.3
52.5°	610.3	609.5	684.8	857.8	1091.9	1434.7	2197.2	3899.5	4531.6	4628.6	4729.7
55°	461.5	461.5	535.9	693.9	937.2	1298.4	1947.2	3999.8	4790.8	4907.8	5018.2
57.5°	316.9	325.2	395.5	531.7	775.9	1173.9	1755.8	3942.1	4988.9	5134.4	5265.6
60°	234.9	243.3	295.1	382.1	607.0	1026.7	1612.0	3670.4	5108.5	5301.6	5472.2
62.5°	203.2	209.0	258.3	306.0	437.3	870.4	1484.9	3325.1	5280.7	5544.9	5782.3
65°	181.4	187.3	236.6	264.2	342.0	699.8	1413.8	3127.8	5486.4	5890.2	6234.7
67.5°	168.1	174.7	216.5	236.6	298.5	632.9	1358.6	3081.8	5484.7	5974.6	6414.4
69°	161.4	166.4	200.7	222.4	288.4	612.8	1239.1	2882.0	5122.7	5648.6	6090.0
70°	157.2	162.2	191.5	213.2	285.1	576.9	1128.7	2617.8	4710.5	5239.7	5687.9
72.5°	143.8	148.8	170.6	190.6	237.4	385.4	786.8	1675.5	3366.1	3744.0	4256.5
75°	127.1	132.9	149.7	166.4	179.8	223.2	454.0	869.5	1924.7	2211.4	2667.9
77.5°	103.7	109.5	127.1	153.8	152.2	169.7	295.1	534.3	901.3	1117.8	1286.7
80°	85.3	89.5	104.5	155.5	124.6	142.1	239.1	438.1	634.6	701.5	741.6
82.5°	56.9	62.7	81.1	122.1	95.3	101.2	178.9	409.7	536.8	588.6	637.1
85°	26.8	29.3	49.3	65.2	57.7	54.3	102.0	289.3	399.6	423.9	442.3
87.5°	0.0	0.0	2.5	5.0	7.5	7.5	18.4	61.0	112.0	135.4	133.8
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: P157913

CATALOG NUMBER: VTS-F06-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0
2.5°	2491.5	2492.4	2491.5	2491.5	2490.7	2489.0	2489.0	2487.3	2488.2	2487.3	2489.0
5°	2530.0	2530.0	2527.5	2525.8	2528.3	2525.8	2526.6	2522.5	2522.5	2520.0	2516.6
7.5°	2585.2	2585.2	2586.0	2581.0	2584.3	2585.2	2582.7	2581.0	2579.3	2575.1	2576.0
10°	2658.7	2658.7	2661.3	2654.6	2657.9	2659.6	2660.4	2660.4	2658.7	2651.2	2652.1
12.5°	2740.7	2739.0	2739.8	2736.5	2739.8	2741.5	2743.2	2741.5	2741.5	2739.8	2739.0
15°	2815.1	2814.3	2815.9	2813.4	2814.3	2815.9	2820.9	2820.1	2819.3	2814.3	2814.3
17.5°	2866.1	2863.6	2861.9	2861.1	2861.1	2860.2	2861.1	2861.1	2858.6	2857.7	2857.7
20°	2885.3	2878.6	2874.5	2871.9	2868.6	2866.9	2865.3	2866.1	2864.4	2861.9	2862.7
22.5°	2888.7	2879.5	2871.1	2863.6	2856.9	2852.7	2848.5	2846.9	2842.7	2840.2	2840.2
25°	2904.6	2890.3	2877.0	2864.4	2854.4	2845.2	2836.0	2829.3	2824.3	2818.4	2816.8
27.5°	2939.7	2924.6	2908.7	2892.8	2879.5	2861.1	2848.5	2835.2	2823.5	2814.3	2807.6
30°	2994.0	2979.0	2963.1	2944.7	2927.1	2907.9	2887.0	2871.1	2854.4	2836.0	2826.0
32.5°	3065.9	3055.9	3040.0	3022.4	3006.6	2986.5	2961.4	2937.2	2921.3	2899.5	2883.6
35°	3168.8	3157.0	3152.0	3144.5	3128.6	3116.1	3088.5	3065.9	3050.9	3020.8	3009.1
37.5°	3309.2	3308.4	3312.6	3310.1	3312.6	3296.7	3284.1	3283.3	3261.6	3232.3	3203.9
40°	3500.7	3510.7	3533.3	3549.2	3564.2	3565.9	3583.5	3565.1	3567.6	3563.4	3534.1
42.5°	3718.9	3753.2	3779.9	3826.8	3862.7	3896.1	3918.7	3949.7	3973.1	3994.0	3999.0
45°	3962.2	4013.2	4075.1	4116.9	4187.1	4243.1	4320.0	4379.4	4441.3	4502.3	4524.0
47.5°	4226.4	4289.9	4358.5	4436.3	4524.9	4612.7	4731.4	4822.5	4922.0	5004.8	5078.4
50°	4518.2	4584.2	4676.2	4765.7	4887.7	4988.9	5144.4	5264.0	5424.5	5534.9	5630.2
52.5°	4822.5	4905.3	5008.1	5106.8	5231.4	5361.0	5534.0	5710.4	5903.6	6070.8	6209.6
55°	5120.2	5222.2	5320.8	5436.2	5574.2	5724.7	5920.3	6152.7	6393.5	6585.0	6768.9
57.5°	5385.2	5503.1	5619.3	5736.4	5877.7	6052.4	6272.3	6523.1	6799.0	7054.0	7306.5
60°	5631.0	5772.3	5914.4	6060.8	6223.0	6438.7	6702.9	7011.4	7368.4	7717.0	8047.3
62.5°	6019.8	6205.4	6381.8	6570.8	6766.4	7019.8	7331.6	7736.3	8146.0	8581.6	8920.2
65°	6546.5	6807.4	7038.1	7283.1	7536.4	7875.1	8248.0	8732.0	9319.0	9765.4	10308.9
67.5°	6808.2	7151.9	7448.7	7721.2	8034.8	8376.7	8819.8	9392.6	10018.8	10665.9	11272.1
69°	6500.5	6855.0	7183.6	7488.8	7805.7	8137.6	8600.8	9188.5	9850.7	10550.5	11142.5
70°	6101.7	6456.2	6806.5	7154.4	7443.6	7767.2	8232.1	8838.2	9499.6	10227.0	10813.9
72.5°	4674.5	5100.9	5417.8	5743.9	6079.2	6353.4	6890.2	7401.0	8089.9	8828.2	9474.5
75°	2990.7	3382.8	3728.9	4006.5	4334.3	4662.8	5059.1	5626.8	6058.3	6664.4	7188.6
77.5°	1536.7	1652.9	1986.5	2086.0	2313.4	2492.4	2710.6	2852.7	3203.9	3278.3	3587.6
80°	728.2	656.3	617.9	582.7	592.8	588.6	571.0	547.6	576.9	564.4	559.3
82.5°	634.6	566.0	451.5	383.8	331.9	281.8	242.5	222.4	224.9	231.6	234.1
85°	444.8	418.0	326.1	247.5	193.1	149.7	120.4	115.4	118.7	127.9	124.6
87.5°	128.8	134.6	118.7	82.8	57.7	41.8	32.6	36.8	35.1	34.3	36.0
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: P157913

CATALOG NUMBER: VTS-F06-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0
2.5°	2489.0	2488.2	2485.7	2483.2	2483.2	2481.5	2483.2	2484.0	2483.2	2483.2	2481.5
5°	2517.4	2518.3	2520.8	2515.8	2514.9	2515.8	2512.4	2511.6	2509.1	2511.6	2508.2
7.5°	2571.8	2574.3	2574.3	2571.0	2570.1	2572.6	2567.6	2565.9	2563.4	2562.6	2561.8
10°	2652.9	2655.4	2651.2	2648.7	2646.2	2649.5	2645.4	2645.4	2642.9	2640.3	2639.5
12.5°	2743.2	2741.5	2739.8	2741.5	2739.0	2739.0	2736.5	2734.8	2734.0	2733.2	2731.5
15°	2813.4	2819.3	2819.3	2820.9	2819.3	2819.3	2815.9	2816.8	2815.1	2814.3	2815.1
17.5°	2858.6	2860.2	2864.4	2866.9	2866.9	2867.8	2866.1	2867.8	2866.1	2866.1	2869.4
20°	2864.4	2866.1	2870.3	2874.5	2877.0	2878.6	2878.6	2881.1	2882.8	2884.5	2888.7
22.5°	2841.0	2843.5	2848.5	2856.1	2860.2	2861.9	2865.3	2869.4	2873.6	2877.0	2882.8
25°	2816.8	2817.6	2822.6	2830.1	2835.2	2839.3	2845.2	2850.2	2856.1	2862.7	2869.4
27.5°	2803.4	2802.5	2806.7	2814.3	2818.4	2824.3	2829.3	2836.8	2843.5	2851.9	2857.7
30°	2815.1	2808.4	2809.2	2812.6	2815.9	2820.1	2826.0	2832.6	2840.2	2847.7	2854.4
32.5°	2866.9	2851.9	2841.8	2839.3	2840.2	2841.0	2844.4	2848.5	2854.4	2860.2	2862.7
35°	2979.0	2953.0	2939.7	2928.8	2919.6	2912.1	2913.7	2912.9	2912.9	2917.9	2912.1
37.5°	3192.2	3159.6	3145.3	3126.1	3115.2	3087.7	3080.1	3078.5	3067.6	3067.6	3055.0
40°	3526.6	3507.4	3496.5	3478.9	3426.3	3433.0	3395.3	3396.2	3365.2	3368.6	3346.8
42.5°	4002.3	4004.8	3991.5	3979.8	3938.8	3920.4	3885.3	3835.1	3795.8	3795.0	3751.5
45°	4552.5	4582.6	4539.9	4555.0	4519.0	4469.7	4428.7	4364.4	4303.3	4284.1	4239.8
47.5°	5127.7	5177.0	5144.4	5150.3	5132.7	5062.5	5007.3	4927.9	4848.4	4794.9	4768.2
50°	5742.2	5774.8	5774.0	5758.1	5749.7	5681.2	5592.6	5532.4	5473.8	5401.9	5378.5
52.5°	6299.0	6375.1	6426.1	6414.4	6390.2	6349.2	6270.6	6218.8	6132.7	6122.6	6132.7
55°	6895.2	6993.8	7045.7	7108.4	7109.2	7101.7	7069.1	7049.8	6969.6	6978.8	6967.1
57.5°	7459.5	7604.2	7683.6	7817.4	7863.4	7924.4	7901.8	7926.9	7878.4	7910.2	7901.0
60°	8224.5	8425.2	8557.3	8740.4	8825.7	8978.7	9008.8	9027.2	9053.9	9119.2	9082.4
62.5°	9186.9	9481.2	9755.4	10004.6	10086.5	10316.4	10354.0	10497.9	10505.4	10549.7	10468.6
65°	10762.1	11120.7	11422.6	11721.0	11893.3	12162.5	12271.2	12550.4	12465.2	12501.1	12328.0
67.5°	11793.8	12211.0	12615.7	12898.2	13184.2	13459.3	13657.4	13838.0	13836.3	13801.2	13647.4
69°	11702.6	12167.5	12566.3	12945.1	13246.1	13528.7	13766.9	13884.0	13925.0	13874.0	13764.4
70°	11387.4	11864.8	12353.1	12665.0	12992.7	13302.9	13548.7	13676.6	13705.1	13669.1	13574.6
72.5°	9931.0	10389.2	10927.6	11211.0	11607.3	11831.4	12170.0	12335.6	12364.8	12318.8	12257.0
75°	7750.5	7833.3	8381.7	8562.3	8849.9	9108.3	9319.0	9265.5	9415.1	9385.9	9362.5
77.5°	3651.2	3430.4	3785.8	3951.3	3864.4	3632.8	3969.7	3726.4	3887.8	4097.6	4044.1
80°	602.0	600.3	616.2	651.3	609.5	647.1	646.3	627.9	629.6	674.7	651.3
82.5°	231.6	236.6	239.1	245.8	245.8	246.6	250.8	255.8	251.7	260.0	258.3
85°	125.4	133.8	126.2	120.4	124.6	127.1	130.4	134.6	130.4	143.0	136.3
87.5°	32.6	34.3	30.1	30.1	29.3	26.8	26.8	28.4	30.9	36.8	40.1
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: P157913

CATALOG NUMBER: VTS-F06-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0
2.5°	2478.1	2479.0	2479.8	2477.3	2475.6	2475.6	2474.8	2473.1	2472.3	2472.3	2472.3
5°	2506.6	2508.2	2504.1	2503.2	2501.6	2499.9	2499.9	2498.2	2499.1	2499.1	2494.9
7.5°	2563.4	2560.9	2555.9	2552.6	2555.9	2550.1	2547.5	2549.2	2547.5	2548.4	2546.7
10°	2639.5	2639.5	2633.7	2637.0	2632.8	2626.1	2628.6	2626.1	2624.5	2618.6	2622.0
12.5°	2734.0	2731.5	2728.1	2720.6	2718.1	2717.3	2709.7	2710.6	2708.1	2706.4	2703.9
15°	2816.8	2815.9	2808.4	2804.2	2803.4	2800.0	2796.7	2795.0	2790.8	2790.0	2788.3
17.5°	2871.9	2869.4	2866.1	2861.9	2861.9	2856.9	2855.2	2851.0	2850.2	2847.7	2845.2
20°	2890.3	2891.2	2887.8	2884.5	2882.8	2879.5	2877.0	2873.6	2871.9	2868.6	2866.1
22.5°	2886.2	2886.2	2882.8	2882.0	2878.6	2873.6	2870.3	2866.1	2861.9	2857.7	2852.7
25°	2872.8	2871.9	2869.4	2865.3	2861.1	2853.6	2846.9	2840.2	2834.3	2829.3	2821.8
27.5°	2861.1	2859.4	2854.4	2848.5	2840.2	2831.8	2819.3	2810.1	2802.5	2795.9	2787.5
30°	2856.9	2851.0	2843.5	2834.3	2824.3	2811.7	2798.4	2786.7	2778.3	2771.6	2768.3
32.5°	2861.9	2854.4	2842.7	2831.0	2818.4	2803.4	2790.0	2780.0	2772.5	2770.8	2770.8
35°	2907.9	2895.4	2879.5	2862.7	2846.9	2834.3	2825.1	2824.3	2819.3	2825.1	2834.3
37.5°	3042.5	3031.6	3007.4	2985.7	2974.8	2968.9	2960.6	2962.2	2950.5	2968.9	2984.0
40°	3328.4	3315.1	3286.6	3269.1	3247.3	3226.4	3243.2	3238.1	3246.5	3243.2	3259.1
42.5°	3745.7	3732.3	3687.1	3680.4	3671.2	3662.9	3662.9	3656.2	3652.8	3664.6	3651.2
45°	4253.2	4226.4	4209.7	4229.7	4202.2	4210.5	4239.8	4200.5	4209.7	4155.3	4105.2
47.5°	4779.9	4777.4	4773.2	4797.4	4801.6	4814.2	4830.0	4789.9	4717.2	4676.2	4574.2
50°	5386.0	5412.0	5422.0	5445.4	5455.4	5464.6	5439.6	5380.2	5257.3	5148.6	5028.2
52.5°	6122.6	6077.5	6139.4	6161.9	6151.9	6115.1	6024.8	5952.1	5782.3	5626.0	5439.6
55°	6980.5	6991.3	6947.8	6930.3	6896.0	6794.0	6669.4	6505.6	6290.7	6086.7	5850.9
57.5°	7854.2	7850.0	7782.3	7686.9	7570.7	7447.8	7262.2	7027.3	6776.4	6502.2	6217.1
60°	8916.8	8912.6	8775.5	8612.5	8446.9	8248.8	7957.8	7675.2	7339.1	6978.8	6639.3
62.5°	10313.1	10133.3	9998.7	9755.4	9499.6	9240.4	8846.6	8471.2	8022.2	7567.4	7171.1
65°	12102.3	11806.3	11653.3	11300.5	10904.2	10499.5	10099.0	9605.8	9001.3	8451.1	7967.0
67.5°	13425.8	13154.9	12874.8	12522.8	12088.1	11636.6	11088.1	10466.9	9780.5	9163.5	8635.9
69°	13542.0	13288.7	12952.6	12599.8	12188.4	11697.6	11099.0	10403.4	9707.8	9083.2	8564.0
70°	13365.6	13096.4	12742.7	12375.7	11915.9	11452.7	10825.6	10100.7	9404.3	8778.0	8271.4
72.5°	12049.6	11787.1	11410.9	10971.9	10500.4	10104.1	9508.8	8752.9	7995.5	7416.9	7022.3
75°	9162.6	9104.9	8838.2	8582.4	8211.2	7768.9	7224.6	6716.3	6095.0	5483.0	5115.2
77.5°	3909.5	4042.5	4181.2	4201.3	4214.7	4078.4	3994.0	3866.0	3450.5	3261.6	3066.8
80°	722.4	645.5	688.9	693.9	722.4	737.4	792.6	939.8	956.5	992.4	1036.7
82.5°	256.7	260.9	267.5	270.1	272.6	282.6	320.2	383.8	441.5	516.7	617.0
85°	145.5	148.0	153.8	158.9	162.2	172.2	193.1	230.8	287.6	373.7	506.7
87.5°	44.3	50.2	53.5	60.2	62.7	64.4	73.6	98.7	127.1	188.1	274.2
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: P157913

CATALOG NUMBER: VTS-F06-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0	2474.0
2.5°	2472.3	2471.5	2469.8	2468.1	2469.0	2467.3	2462.3	2460.6	2454.7	2450.6	2447.2
5°	2494.9	2494.0	2490.7	2491.5	2490.7	2482.3	2476.5	2466.4	2460.6	2451.4	2448.1
7.5°	2541.7	2540.9	2535.0	2537.5	2535.8	2523.3	2513.3	2497.4	2489.0	2477.3	2468.1
10°	2611.9	2611.9	2605.2	2606.1	2606.1	2589.3	2571.8	2545.0	2525.8	2507.4	2491.5
12.5°	2697.2	2693.9	2693.0	2688.8	2685.5	2667.1	2640.3	2604.4	2568.4	2538.3	2516.6
15°	2783.3	2778.3	2775.8	2770.8	2766.6	2749.9	2713.9	2669.6	2621.1	2572.6	2536.7
17.5°	2839.3	2836.0	2831.0	2829.3	2823.5	2806.7	2781.6	2737.3	2677.1	2609.4	2555.1
20°	2860.2	2854.4	2851.0	2847.7	2844.4	2832.6	2832.6	2804.2	2737.3	2642.0	2559.2
22.5°	2846.9	2843.5	2838.5	2836.0	2832.6	2834.3	2866.9	2862.7	2785.8	2649.5	2529.2
25°	2815.9	2811.7	2807.6	2807.6	2806.7	2824.3	2902.9	2913.7	2800.0	2612.8	2463.1
27.5°	2784.2	2778.3	2780.0	2780.8	2785.0	2822.6	2942.2	2927.1	2761.6	2524.1	2349.4
30°	2764.9	2764.9	2769.1	2775.8	2784.2	2850.2	2973.1	2897.0	2662.1	2390.4	2198.9
32.5°	2773.3	2781.6	2790.8	2807.6	2820.1	2911.2	2984.0	2819.3	2517.4	2224.8	2041.7
35°	2847.7	2857.7	2875.3	2901.2	2916.3	2999.0	2984.0	2705.6	2349.4	2082.7	1879.5
37.5°	3009.9	3019.9	3040.8	3060.9	3075.9	3109.4	2971.4	2560.9	2208.9	1935.5	1734.0
40°	3270.8	3285.0	3300.0	3296.7	3286.6	3254.0	2946.4	2426.3	2079.3	1806.8	1591.1
42.5°	3637.8	3624.4	3622.7	3590.1	3556.7	3417.1	2928.0	2338.5	1968.1	1671.3	1448.9
45°	4061.7	4007.3	3951.3	3907.9	3856.8	3596.0	2922.9	2267.5	1845.2	1520.8	1294.3
47.5°	4488.1	4401.1	4292.4	4224.7	4142.0	3786.6	2938.0	2172.1	1687.2	1357.0	1149.6
50°	4906.1	4764.0	4629.4	4548.3	4454.6	4005.7	2962.2	2011.6	1498.3	1208.1	1017.5
52.5°	5293.2	5110.1	4972.2	4876.9	4762.3	4260.7	2940.5	1800.9	1334.4	1065.2	892.1
55°	5661.1	5458.8	5315.8	5215.5	5080.9	4516.5	2783.3	1609.5	1178.0	925.5	750.8
57.5°	5983.0	5789.0	5640.2	5503.9	5390.2	4738.9	2473.1	1451.4	1027.5	765.9	597.8
60°	6359.2	6141.0	5964.6	5819.1	5685.4	4853.5	2125.3	1311.0	867.0	592.8	432.3
62.5°	6866.7	6615.9	6411.9	6245.5	6070.8	4878.5	1887.9	1170.5	688.1	428.9	314.4
65°	7619.2	7309.9	7054.9	6825.8	6589.2	4774.9	1770.8	1017.5	511.7	318.5	263.4
67.5°	8217.0	7896.0	7600.8	7306.5	7003.9	4582.6	1744.9	876.2	393.0	270.9	236.6
69°	8144.3	7838.3	7567.4	7248.8	6913.6	4340.9	1719.0	821.9	358.7	251.7	224.1
70°	7864.2	7574.1	7299.0	7039.8	6629.3	4071.7	1650.4	791.8	345.3	242.5	214.9
72.5°	6645.2	6309.1	6042.4	5719.6	5287.4	3025.8	1251.6	640.4	316.9	221.6	194.0
75°	4846.8	4568.4	4302.5	3945.5	3524.9	1750.8	779.2	366.2	232.4	200.7	175.6
77.5°	2830.1	2767.4	2510.8	2275.8	1859.4	891.3	447.3	219.1	180.6	182.3	154.7
80°	1065.2	1134.6	1160.5	1079.4	997.4	615.4	325.2	178.1	157.2	179.8	131.3
82.5°	776.7	901.3	916.3	877.9	816.9	573.6	260.0	143.0	127.9	193.1	112.9
85°	648.0	717.4	728.2	688.1	668.0	485.8	181.4	100.3	93.6	138.8	84.4
87.5°	327.7	345.3	354.5	321.1	322.7	226.6	72.7	42.6	51.0	59.4	46.8
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: P157913

CATALOG NUMBER: VTS-F06-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	2474.0	2474.0
2.5°	2439.7	2444.7
5°	2443.0	2443.0
7.5°	2462.3	2462.3
10°	2483.2	2484.0
12.5°	2502.4	2501.6
15°	2517.4	2514.9
17.5°	2526.6	2524.1
20°	2517.4	2513.3
22.5°	2470.6	2458.9
25°	2385.3	2370.3
27.5°	2272.5	2262.4
30°	2125.3	2110.3
32.5°	1953.1	1945.6
35°	1788.4	1779.2
37.5°	1637.9	1635.4
40°	1510.8	1497.4
42.5°	1362.0	1356.1
45°	1210.6	1207.3
47.5°	1068.5	1065.2
50°	937.2	930.6
52.5°	808.5	797.6
55°	665.5	658.0
57.5°	510.8	504.2
60°	359.5	352.0
62.5°	255.8	247.5
65°	213.2	206.5
67.5°	193.1	185.6
69°	183.9	177.2
70°	178.1	173.1
72.5°	165.5	162.2
75°	151.3	148.8
77.5°	132.9	128.8
80°	111.2	107.0
82.5°	93.6	89.5
85°	62.7	56.9
87.5°	28.4	25.1
90°	0.0	0.0

(END OF REPORT)