

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: P158166

Luminaire Tested: **VTS-F09-LED-E1-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158166
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-SL2-7050
Description: VENTUS LED SITE LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

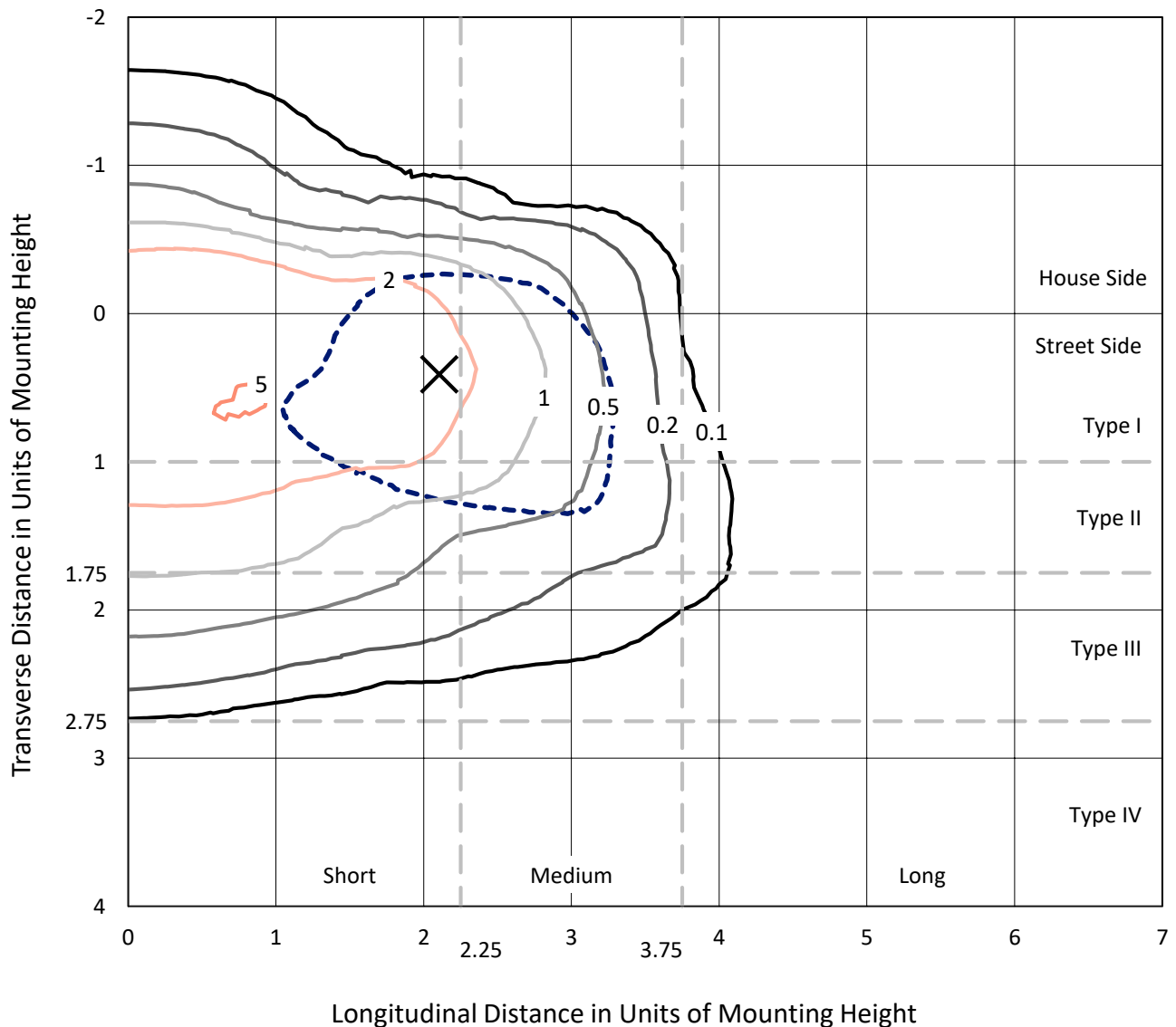
Lumens per Lamp: N/A
Luminaire Lumens: 22937.9 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

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

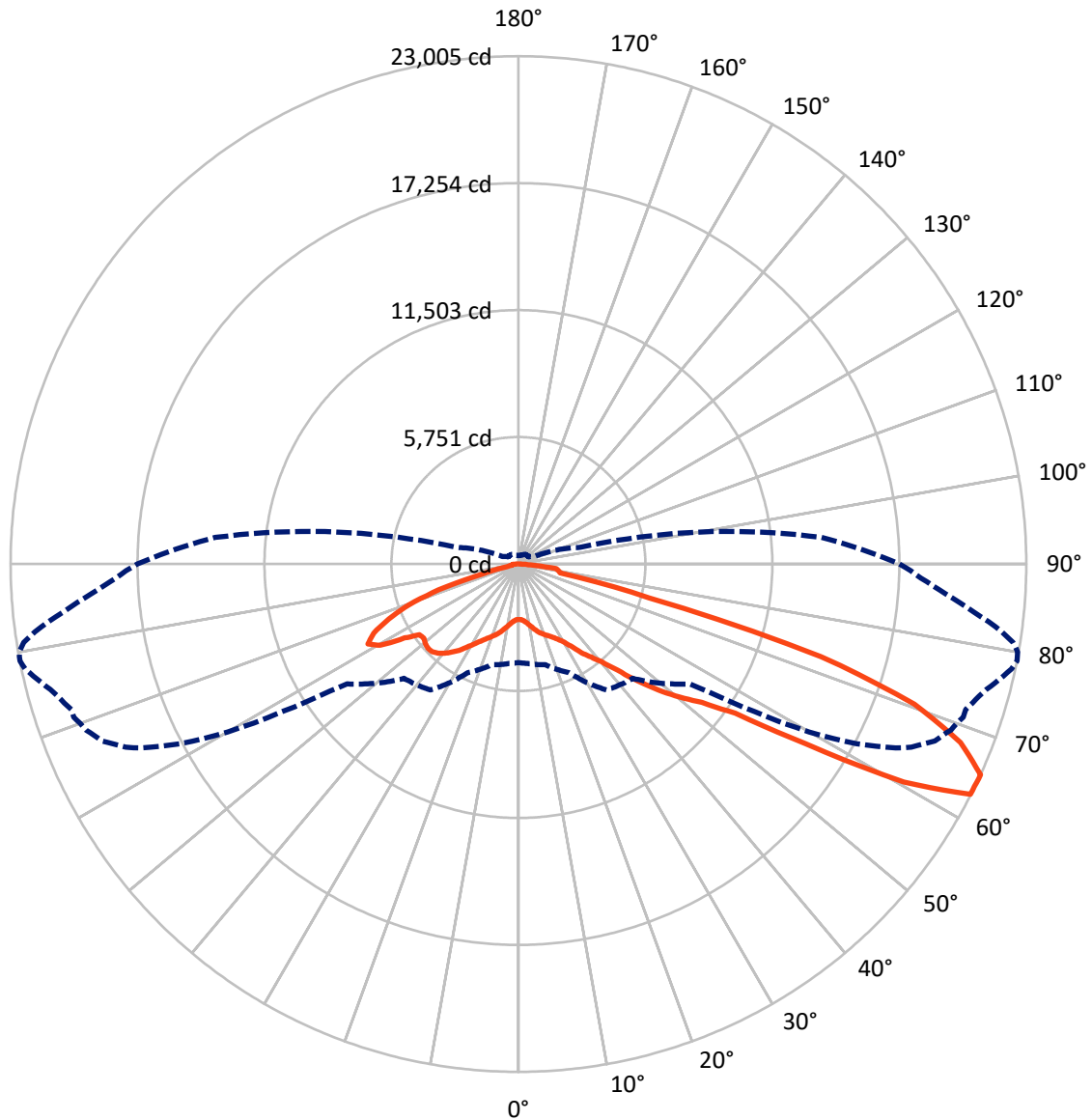
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	5270.7	0.0	5270.7
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	17667.2	0.0	17667.2
	% Fixture	77.0	0.0	77.0
Total	Lumens	22937.9	0.0	22937.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.3	1.1
10°-20°	806.4	3.5
20°-30°	1390.2	6.1
30°-40°	2277.2	9.9
40°-50°	3813.5	16.6
50°-60°	5158.3	22.5
60°-70°	6352.5	27.7
70°-80°	2459.0	10.7
80°-90°	432.4	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°	22937.9	100.0
0°-180°	22937.9	100.0



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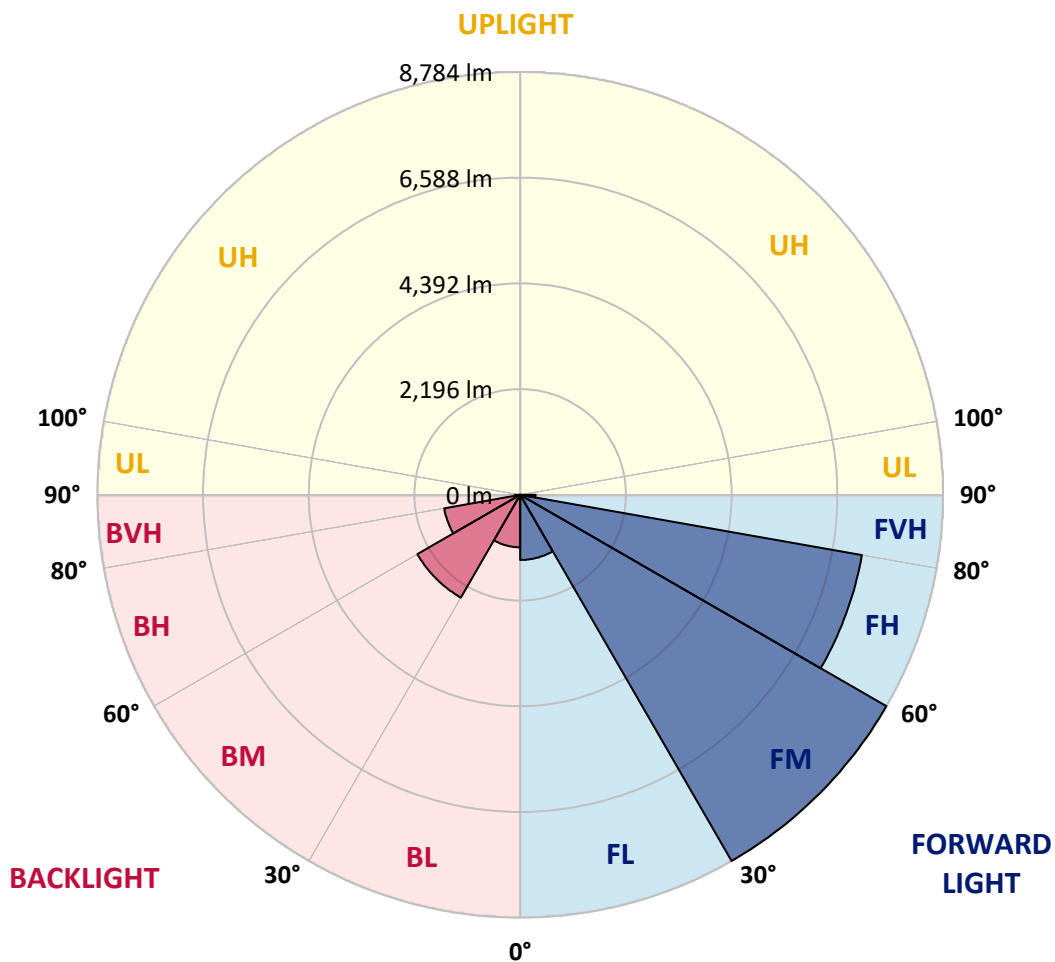
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1354.2	5.9			
FM	(30°-60°)	8784.2	38.3			
FH	(60°-80°)	7207.9	31.4			G3/7500
FVH	(80°-90°)	320.9	1.4			G3/500
BL	(0°-30°)	1090.8	4.8	B3/2500		
BM	(30°-60°)	2464.8	10.7	B2/2500		
BH	(60°-80°)	1603.5	7.0	B3/2500		G3/2500
BVH	(80°-90°)	111.6	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°	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7
2.5°	2514.3	2506.7	2514.3	2520.4	2525.0	2531.1	2529.5	2528.0	2526.5	2528.0	2528.0
5°	2535.6	2534.1	2541.7	2547.8	2558.5	2566.1	2575.3	2575.3	2575.3	2573.8	2576.8
7.5°	2604.2	2602.7	2610.3	2616.4	2625.6	2640.8	2653.0	2659.1	2657.6	2657.6	2657.6
10°	2717.1	2711.0	2711.0	2711.0	2723.2	2733.9	2761.3	2764.3	2770.4	2767.4	2768.9
12.5°	2826.9	2828.4	2823.8	2819.2	2820.8	2842.1	2881.8	2889.4	2890.9	2895.5	2898.5
15°	2926.0	2924.4	2913.8	2903.1	2916.8	2953.4	3005.3	3019.0	3019.0	3028.1	3034.2
17.5°	3017.5	3014.4	2994.6	2976.3	2990.0	3052.5	3133.3	3142.5	3156.2	3160.8	3166.9
20°	3125.7	3119.6	3096.7	3047.9	3047.9	3133.3	3240.1	3249.2	3261.4	3264.5	3275.1
22.5°	3276.7	3261.4	3212.6	3124.2	3099.8	3198.9	3330.0	3334.6	3343.7	3355.9	3365.1
25°	3447.4	3450.5	3371.2	3217.2	3163.8	3267.5	3416.9	3424.6	3441.3	3450.5	3461.2
27.5°	3624.3	3628.9	3540.4	3348.3	3258.4	3362.0	3534.3	3543.5	3563.3	3574.0	3590.8
30°	3825.6	3831.7	3746.3	3552.6	3415.4	3500.8	3708.2	3732.6	3749.3	3763.0	3790.5
32.5°	4308.9	4272.3	4212.8	4007.0	3790.5	3784.4	3988.7	4016.2	4039.0	4068.0	4093.9
35°	4917.3	4940.1	4970.6	4831.9	4641.3	4502.5	4519.3	4504.1	4525.4	4568.1	4594.0
37.5°	5399.1	5449.4	5582.1	5672.0	5664.4	5636.9	5380.8	5380.8	5394.5	5371.6	5368.6
40°	5777.2	5809.2	6080.6	6429.8	6724.1	6868.9	6666.1	6637.2	6652.4	6535.0	6539.6
42.5°	5972.4	6019.7	6410.0	7022.9	7606.9	8072.0	8009.4	7989.6	7943.9	7914.9	7896.6
45°	6071.5	6127.9	6593.0	7434.6	8285.4	9003.6	9326.8	9323.8	9282.6	9249.0	9233.8
47.5°	6021.2	6070.0	6565.5	7559.6	8642.2	9604.3	10319.4	10363.6	10351.4	10400.2	10420.0
50°	5691.8	5754.4	6251.4	7289.8	8492.8	9840.6	11007.1	11089.4	11200.7	11270.8	11363.9
52.5°	5394.5	5446.4	5894.6	6852.2	8001.8	9648.5	11421.8	11591.0	11743.5	11886.8	11998.1
55°	5083.5	5135.3	5528.7	6397.8	7506.3	9081.3	11610.9	11857.9	12095.7	12338.2	12560.8
57.5°	4966.1	5021.0	5313.7	6045.6	7100.7	8518.7	11703.9	12109.5	12496.7	12908.4	13335.3
60°	5271.0	5319.8	5542.4	6054.7	6791.2	7956.1	11516.3	12153.7	12820.0	13498.5	14154.1
62.5°	5178.0	5203.9	5481.4	6275.8	7186.1	7401.1	10703.6	11545.3	12513.5	13507.6	14512.4
65°	4467.5	4517.8	4726.7	5425.0	6965.0	7326.4	9465.6	10311.8	11453.8	12629.4	13975.7
67.5°	3205.0	3134.9	3296.5	3907.9	5403.7	7314.2	8072.0	8698.6	9593.6	10494.8	11598.7
70°	1456.1	1422.6	1549.1	2032.5	3259.9	5780.3	6824.7	7036.7	7369.0	7975.9	8721.5
72.5°	574.8	573.3	655.6	840.1	1541.5	3720.4	5739.1	5861.1	5978.5	6242.3	6564.0
75°	376.6	376.6	401.0	452.8	759.3	1796.1	4854.8	4966.1	5146.0	5220.7	5357.9
77.5°	283.6	285.1	295.8	308.0	419.3	945.3	3426.1	3821.0	4125.9	4353.1	4519.3
80°	201.3	210.4	230.2	237.9	272.9	538.2	1936.4	2221.5	2566.1	2933.6	3395.6
82.5°	150.9	161.6	195.2	204.3	216.5	306.5	873.7	991.1	1157.3	1500.3	2157.5
85°	70.1	77.8	134.2	146.4	157.0	176.9	443.7	495.5	562.6	616.0	718.2
87.5°	10.7	7.6	22.9	32.0	50.3	51.8	152.5	181.4	196.7	236.3	245.5
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°	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7
2.5°	2528.0	2529.5	2531.1	2528.0	2529.5	2529.5	2526.5	2525.0	2525.0	2525.0	2526.5
5°	2576.8	2579.9	2576.8	2578.3	2584.4	2582.9	2579.9	2578.3	2584.4	2586.0	2581.4
7.5°	2663.7	2665.2	2659.1	2666.8	2669.8	2671.3	2671.3	2674.4	2674.4	2679.0	2674.4
10°	2775.0	2775.0	2785.7	2784.2	2785.7	2788.7	2790.3	2796.4	2800.9	2800.9	2804.0
12.5°	2903.1	2904.6	2915.3	2916.8	2922.9	2924.4	2933.6	2927.5	2942.7	2942.7	2947.3
15°	3035.7	3046.4	3047.9	3063.2	3066.2	3067.8	3080.0	3080.0	3090.6	3092.2	3095.2
17.5°	3166.9	3176.0	3182.1	3194.3	3205.0	3209.6	3214.1	3223.3	3230.9	3234.0	3241.6
20°	3279.7	3288.9	3295.0	3307.2	3316.3	3323.9	3328.5	3339.2	3346.8	3349.8	3360.5
22.5°	3374.2	3380.3	3391.0	3407.8	3410.8	3420.0	3433.7	3441.3	3444.4	3453.5	3465.7
25°	3474.9	3484.0	3490.1	3505.4	3517.6	3532.8	3545.0	3557.2	3560.3	3572.5	3583.1
27.5°	3609.1	3618.2	3619.7	3650.2	3662.4	3683.8	3697.5	3715.8	3724.9	3735.6	3756.9
30°	3807.3	3828.6	3837.8	3872.8	3878.9	3903.3	3927.7	3933.8	3947.5	3949.1	3984.1
32.5°	4110.7	4141.2	4153.4	4190.0	4199.1	4222.0	4235.7	4267.7	4269.3	4284.5	4292.1
35°	4607.8	4600.1	4647.4	4656.5	4684.0	4703.8	4717.5	4717.5	4746.5	4748.0	4757.2
37.5°	5286.3	5271.0	5283.2	5228.3	5242.0	5217.6	5213.1	5219.2	5207.0	5210.0	5208.5
40°	6371.9	6303.3	6231.6	6062.4	6025.8	5955.6	5900.7	5856.5	5813.8	5768.1	5737.6
42.5°	7733.5	7634.4	7527.6	7256.2	7129.7	6994.0	6861.3	6785.1	6632.6	6539.6	6489.3
45°	9160.6	9044.7	8895.3	8669.6	8489.7	8344.9	8102.4	7988.1	7751.8	7634.4	7475.8
47.5°	10330.1	10331.6	10211.2	9982.4	9790.3	9694.3	9543.3	9322.2	9053.9	8902.9	8620.9
50°	11353.2	11351.7	11344.0	11206.8	11072.6	10967.4	10834.8	10635.0	10415.5	10244.7	9921.5
52.5°	12109.5	12210.1	12252.8	12251.3	12234.5	12185.7	12085.1	11912.8	11690.2	11594.1	11336.4
55°	12734.6	12954.2	13068.5	13318.6	13341.4	13422.3	13333.8	13335.3	13204.2	13213.4	13131.0
57.5°	13681.5	14082.5	14312.7	14866.2	15143.7	15479.1	15419.7	15700.2	15802.4	15932.0	16104.3
60°	14756.4	15505.0	16050.9	17151.8	17600.0	18142.8	18441.7	18760.4	18992.1	19230.0	19405.3
62.5°	15524.9	16508.3	17404.9	18973.8	19556.3	20128.0	20504.7	20890.4	21151.1	21321.9	21448.5
65°	15210.8	16297.9	17357.6	19002.8	19637.1	20051.8	20500.1	20722.7	20983.4	21125.2	21306.7
67.5°	12925.2	14015.4	15151.3	17092.3	17755.6	18328.9	18678.0	18966.2	19176.6	19356.5	19565.4
70°	9611.9	10804.3	11978.3	14106.9	14943.9	15771.9	16183.5	16540.3	16759.9	16941.3	17171.6
72.5°	6917.7	7664.8	8398.2	10781.4	11618.5	12688.9	13115.8	13512.2	13797.3	13788.2	14032.1
75°	5507.3	5810.8	6137.1	7367.5	7968.3	8870.9	9110.3	9332.9	9198.7	8941.1	8925.8
77.5°	4584.9	4709.9	4819.7	5205.4	5293.9	5508.9	5389.9	5266.4	4868.5	4533.0	4356.2
80°	3721.9	3968.9	4130.5	4405.0	4517.8	4581.8	4598.6	4555.9	4409.5	4206.7	3883.5
82.5°	2767.4	3237.0	3557.2	4097.0	4295.2	4336.3	4415.6	4366.8	4270.8	4106.1	3874.4
85°	811.2	917.9	1052.1	1427.2	1672.6	1881.5	2095.0	2200.2	2265.8	2174.3	1934.9
87.5°	285.1	321.7	359.8	495.5	527.6	637.3	625.1	738.0	742.5	774.6	741.0
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°	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7
2.5°	2525.0	2525.0	2525.0	2526.5	2526.5	2526.5	2523.4	2521.9	2523.4	2526.5	2526.5
5°	2584.4	2586.0	2589.0	2582.9	2584.4	2589.0	2586.0	2584.4	2586.0	2589.0	2586.0
7.5°	2680.5	2682.0	2679.0	2685.1	2685.1	2688.1	2692.7	2688.1	2689.6	2691.2	2692.7
10°	2805.5	2807.0	2810.1	2814.7	2816.2	2819.2	2822.3	2826.9	2826.9	2823.8	2831.4
12.5°	2954.9	2953.4	2956.5	2962.6	2965.6	2970.2	2979.3	2979.3	2985.4	2983.9	2991.5
15°	3101.3	3108.9	3110.5	3121.1	3125.7	3133.3	3144.0	3150.1	3150.1	3159.3	3162.3
17.5°	3247.7	3253.8	3259.9	3269.0	3275.1	3279.7	3291.9	3299.5	3298.0	3314.8	3314.8
20°	3360.5	3372.7	3380.3	3386.4	3397.1	3404.7	3413.9	3423.0	3429.1	3439.8	3442.9
22.5°	3470.3	3477.9	3488.6	3496.2	3508.4	3517.6	3528.2	3535.9	3546.5	3560.3	3564.8
25°	3592.3	3604.5	3616.7	3627.3	3636.5	3647.2	3665.5	3682.2	3697.5	3709.7	3714.3
27.5°	3761.5	3775.2	3793.5	3801.2	3814.9	3824.0	3851.5	3872.8	3880.5	3901.8	3907.9
30°	3990.2	4005.5	4023.8	4032.9	4057.3	4069.5	4098.5	4121.4	4129.0	4154.9	4159.5
32.5°	4321.1	4330.3	4366.8	4365.3	4398.9	4433.9	4450.7	4469.0	4502.5	4516.3	4520.8
35°	4780.0	4801.4	4827.3	4825.8	4868.5	4888.3	4921.8	4941.7	4966.1	4964.5	4990.5
37.5°	5223.7	5231.4	5240.5	5260.3	5290.8	5318.3	5330.5	5350.3	5368.6	5396.0	5429.6
40°	5707.1	5725.4	5726.9	5737.6	5752.8	5787.9	5810.8	5832.1	5894.6	5934.3	5954.1
42.5°	6431.3	6426.8	6396.3	6416.1	6425.2	6478.6	6495.4	6560.9	6631.1	6714.9	6737.8
45°	7363.0	7302.0	7283.7	7276.0	7324.8	7352.3	7420.9	7542.9	7616.1	7695.3	7733.5
47.5°	8509.6	8319.0	8229.0	8209.2	8259.5	8376.9	8399.8	8520.2	8616.3	8674.2	8712.3
50°	9657.7	9508.3	9319.2	9255.1	9241.4	9349.7	9375.6	9476.2	9573.8	9590.6	9570.8
52.5°	11100.1	10856.1	10543.6	10430.7	10340.8	10348.4	10369.7	10412.4	10474.9	10449.0	10395.7
55°	12945.0	12667.5	12513.5	12300.0	12164.3	12139.9	12046.9	11918.9	11914.3	11931.1	11771.0
57.5°	16017.4	15901.5	15967.0	15944.2	15810.0	15890.8	15471.5	15352.6	15258.0	15093.4	14945.5
60°	19560.8	19679.8	19815.5	20128.0	20114.3	20428.4	20137.2	20064.0	19975.6	19467.8	19219.3
62.5°	21669.5	21716.8	21916.6	22207.8	22494.4	22794.8	22930.5	22977.8	22793.3	22378.6	21860.1
65°	21302.1	21511.0	21704.6	21956.2	22250.5	22550.8	22837.5	23005.2	22962.5	22688.1	22117.8
67.5°	19632.5	19852.1	20135.7	20399.4	20716.6	20977.3	21291.4	21599.4	21608.6	21471.3	21074.9
70°	17196.0	17450.6	17743.4	17891.3	18234.3	18470.7	18731.4	19036.3	19135.4	19152.2	18690.2
72.5°	13980.3	14087.0	14230.4	14152.6	14221.2	14372.2	14302.0	14326.4	13949.8	14019.9	13449.7
75°	8514.1	8416.5	7983.5	7588.6	7106.8	6736.3	6824.7	6117.2	5420.4	5385.4	4882.2
77.5°	4318.1	4162.5	3894.2	3615.1	3206.5	2738.4	2348.1	1927.3	1572.0	1369.2	1175.6
80°	3677.7	3567.9	3420.0	3217.2	2919.9	2573.8	2166.7	1846.5	1549.1	1239.6	992.6
82.5°	3519.1	3183.6	2968.7	2799.4	2477.7	2157.5	1934.9	1715.3	1504.9	1314.3	1041.4
85°	1745.8	1544.6	1306.7	1158.8	892.0	698.3	654.1	538.2	501.6	387.3	326.3
87.5°	587.0	480.3	358.3	301.9	240.9	196.7	193.6	172.3	170.8	155.5	143.3
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°	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7
2.5°	2525.0	2528.0	2528.0	2525.0	2526.5	2523.4	2525.0	2526.5	2521.9	2520.4	2515.8
5°	2587.5	2586.0	2586.0	2587.5	2592.1	2593.6	2586.0	2589.0	2590.5	2582.9	2566.1
7.5°	2691.2	2691.2	2695.7	2694.2	2703.4	2700.3	2698.8	2698.8	2698.8	2683.5	2656.1
10°	2831.4	2831.4	2836.0	2842.1	2843.6	2840.6	2840.6	2842.1	2849.7	2819.2	2776.5
12.5°	2988.5	2996.1	2994.6	2994.6	3012.9	3008.3	3002.2	3008.3	3015.9	2973.2	2912.2
15°	3163.8	3168.4	3171.5	3182.1	3179.1	3189.7	3192.8	3189.7	3197.4	3142.5	3040.3
17.5°	3322.4	3331.5	3334.6	3346.8	3346.8	3348.3	3360.5	3355.9	3357.5	3295.0	3148.6
20°	3453.5	3462.7	3467.2	3481.0	3484.0	3490.1	3494.7	3497.7	3505.4	3430.7	3237.0
22.5°	3584.7	3592.3	3599.9	3609.1	3621.2	3628.9	3635.0	3638.0	3651.7	3564.8	3320.9
25°	3731.0	3747.8	3755.4	3770.7	3782.9	3795.1	3804.2	3805.7	3828.6	3720.4	3389.5
27.5°	3926.2	3949.1	3961.3	3985.7	3997.9	4010.1	4007.0	4025.3	4057.3	3898.8	3442.9
30°	4182.4	4211.3	4218.9	4243.3	4263.2	4275.4	4289.1	4304.3	4325.7	4097.0	3468.8
32.5°	4539.1	4583.4	4594.0	4607.8	4636.7	4658.1	4667.2	4691.6	4697.7	4284.5	3461.2
35°	5028.6	5008.8	5060.6	5072.8	5114.0	5130.7	5141.4	5173.4	5149.0	4488.8	3410.8
37.5°	5470.8	5464.7	5515.0	5542.4	5595.8	5583.6	5609.5	5630.9	5543.9	4633.7	3317.8
40°	6010.5	6002.9	6073.0	6082.2	6164.5	6146.2	6156.9	6173.7	5980.0	4734.3	3148.6
42.5°	6763.7	6766.8	6841.5	6850.6	6861.3	6894.9	6840.0	6843.0	6443.5	4761.8	2869.6
45°	7756.3	7809.7	7764.0	7765.5	7762.4	7698.4	7629.8	7549.0	6925.4	4667.2	2509.7
47.5°	8718.4	8681.8	8623.9	8570.5	8526.3	8425.7	8325.1	8187.8	7341.6	4443.1	2108.7
50°	9541.8	9459.5	9407.6	9259.7	9154.5	9023.4	8883.1	8726.1	7683.1	4119.8	1733.6
52.5°	10307.2	10221.8	10028.2	9874.2	9723.2	9549.4	9386.3	9201.8	7985.0	3750.9	1447.0
55°	11578.8	11504.1	11310.5	11028.4	10842.4	10603.0	10388.0	10138.0	8596.5	3452.0	1257.9
57.5°	14538.4	14474.3	14067.2	13888.8	13643.3	13042.6	12954.2	12563.8	10235.6	3416.9	1146.6
60°	18705.5	18431.0	18092.5	17604.6	17029.8	16831.6	16389.4	15869.5	12873.3	3513.0	1056.6
62.5°	21264.0	20638.8	20141.8	19579.1	19050.1	18595.7	18112.3	17598.5	14222.7	3386.4	945.3
65°	21456.1	20721.2	20064.0	19403.8	18809.1	18243.5	17773.8	17260.0	13783.6	2910.7	800.5
67.5°	20397.9	19623.4	18906.7	18158.1	17557.3	17046.5	16448.9	15954.8	12545.5	2265.8	666.3
70°	18216.0	17536.0	16918.5	16111.9	15613.3	14991.2	14611.5	13994.0	10935.4	1544.6	550.4
72.5°	13120.4	12608.0	12406.8	11844.2	11191.6	10825.6	10650.3	10051.1	8081.1	959.1	449.8
75°	4432.4	4559.0	4269.3	3825.6	4042.1	3708.2	3843.9	3558.7	3418.5	550.4	378.1
77.5°	983.5	924.0	853.9	792.9	788.3	741.0	785.2	742.5	794.4	350.7	333.9
80°	776.1	612.9	521.5	475.7	451.3	437.6	426.9	414.7	378.1	298.8	308.0
82.5°	838.6	632.8	463.5	370.5	317.1	297.3	292.7	280.6	277.5	289.7	311.0
85°	268.4	224.1	190.6	179.9	166.2	158.6	155.5	150.9	183.0	315.6	298.8
87.5°	140.3	123.5	109.8	105.2	91.5	85.4	83.9	85.4	128.1	315.6	216.5
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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CATALOG NUMBER: VTS-F09-LED-E1-SL2-7050

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7
2.5°	2511.2	2509.7	2506.7	2505.1	2503.6	2496.0	2502.1
5°	2558.5	2543.3	2529.5	2512.8	2503.6	2496.0	2496.0
7.5°	2630.2	2587.5	2552.4	2514.3	2488.4	2468.5	2465.5
10°	2720.1	2637.8	2557.0	2488.4	2439.6	2403.0	2398.4
12.5°	2805.5	2680.5	2552.4	2439.6	2363.3	2311.5	2308.5
15°	2884.8	2703.4	2517.3	2351.1	2236.8	2168.2	2160.6
17.5°	2947.3	2689.6	2438.1	2227.6	2072.1	1991.3	1986.7
20°	2961.0	2634.7	2325.2	2075.2	1910.5	1825.1	1805.3
22.5°	2948.8	2535.6	2184.9	1907.4	1718.4	1633.0	1622.3
25°	2912.2	2415.2	2011.1	1712.3	1536.9	1450.0	1428.7
27.5°	2846.7	2273.4	1823.6	1523.2	1349.4	1265.5	1244.2
30°	2749.1	2102.6	1623.8	1346.3	1166.4	1099.3	1078.0
32.5°	2613.4	1895.2	1427.2	1164.9	1015.5	962.1	953.0
35°	2425.9	1657.4	1221.3	1015.5	905.7	873.7	869.1
37.5°	2186.5	1419.5	1049.0	908.7	829.5	809.6	806.6
40°	1873.9	1175.6	927.0	832.5	774.6	757.8	754.7
42.5°	1552.2	992.6	837.1	771.5	724.2	709.0	704.4
45°	1270.1	869.1	770.0	721.2	677.0	660.2	658.7
47.5°	1059.7	797.4	715.1	675.5	631.2	611.4	612.9
50°	905.7	731.9	669.4	635.8	585.5	567.2	568.7
52.5°	800.5	666.3	626.7	588.5	545.9	527.6	527.6
55°	718.2	612.9	585.5	544.3	510.8	494.0	492.5
57.5°	651.1	570.3	545.9	512.3	478.8	458.9	458.9
60°	609.9	539.8	519.9	489.4	449.8	428.5	426.9
62.5°	585.5	530.6	513.8	471.1	426.9	405.6	401.0
65°	567.2	552.0	530.6	460.5	408.6	385.8	381.2
67.5°	568.7	602.3	571.8	466.6	402.5	369.0	362.9
70°	577.9	641.9	600.7	480.3	428.5	361.4	347.6
72.5°	532.1	580.9	541.3	457.4	417.8	347.6	330.9
75°	443.7	423.9	388.8	372.0	375.1	315.6	309.5
77.5°	359.8	315.6	282.1	295.8	315.6	269.9	263.8
80°	312.6	256.2	239.4	262.3	286.7	230.2	215.0
82.5°	292.7	216.5	205.8	272.9	300.4	198.2	173.8
85°	257.7	176.9	161.6	321.7	300.4	149.4	138.8
87.5°	172.3	105.2	100.6	236.3	205.8	103.7	83.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)