

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: P159274

Luminaire Tested: **VTS-F10-LED-E1-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159274
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33705)
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-T2-7030
Description: VENTUS LED SITE LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (70) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23273.6 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 1.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G4

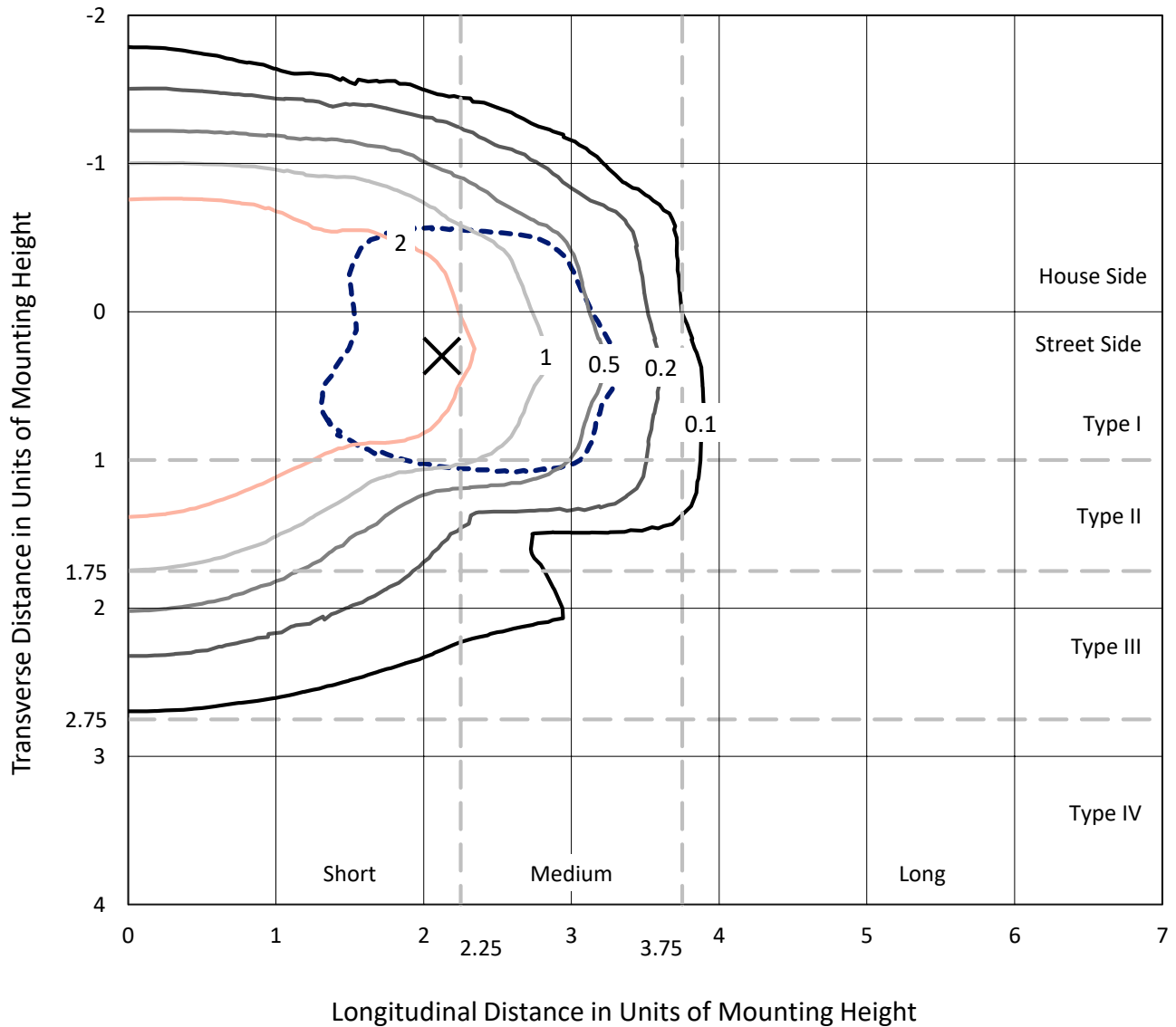
Input Watts (W): 258.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

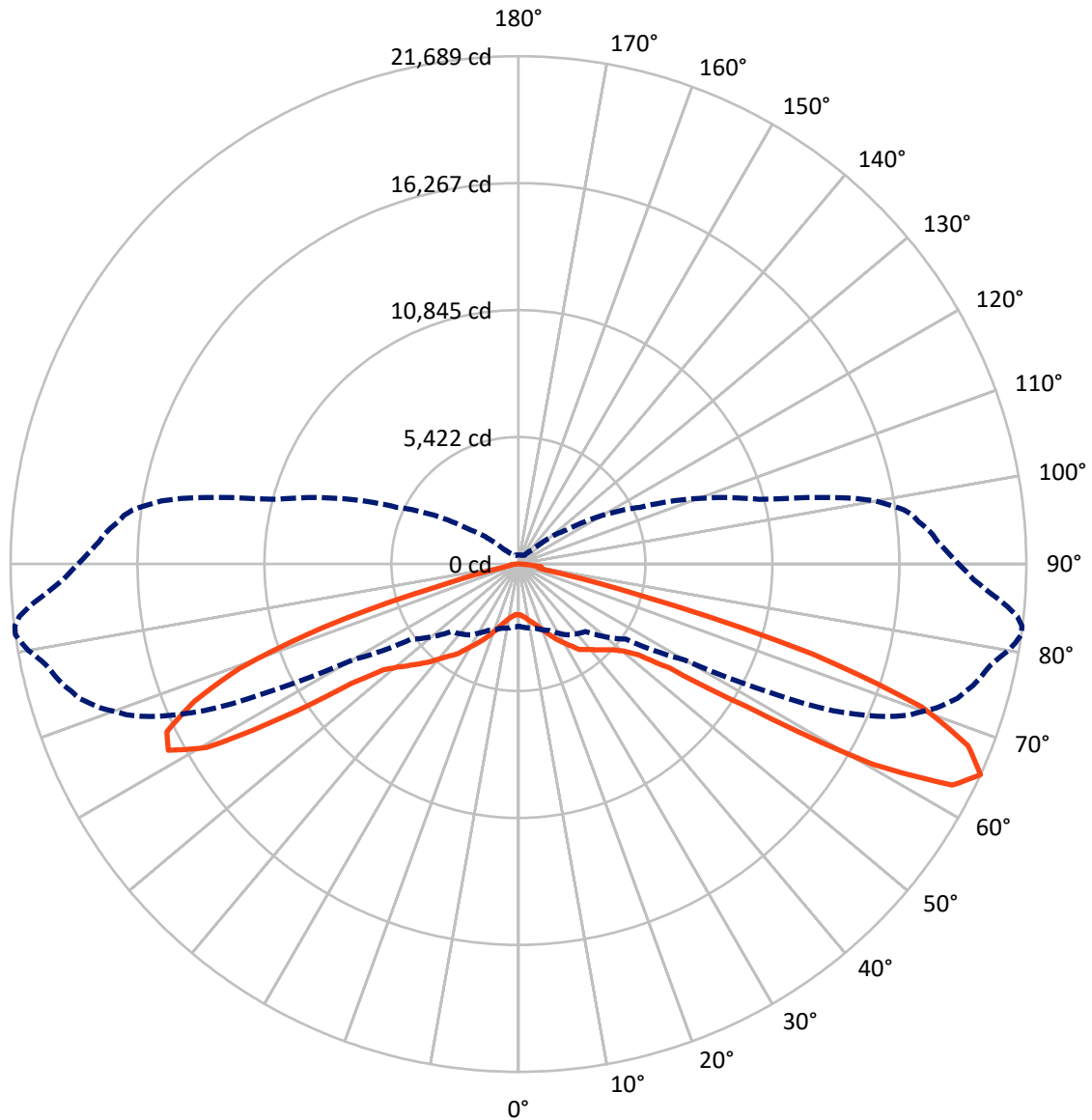


Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8665.5	0.0	8665.5
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	14608.1	0.0	14608.1
	% Fixture	62.8	0.0	62.8
Total	Lumens	23273.6	0.0	23273.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.2	0.9
10°-20°	770.3	3.3
20°-30°	1526.3	6.6
30°-40°	2616.4	11.2
40°-50°	3930.5	16.9
50°-60°	5460.8	23.5
60°-70°	6229.9	26.8
70°-80°	2146.1	9.2
80°-90°	374.0	1.6
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°	23273.6	100.0
0°-180°	23273.6	100.0



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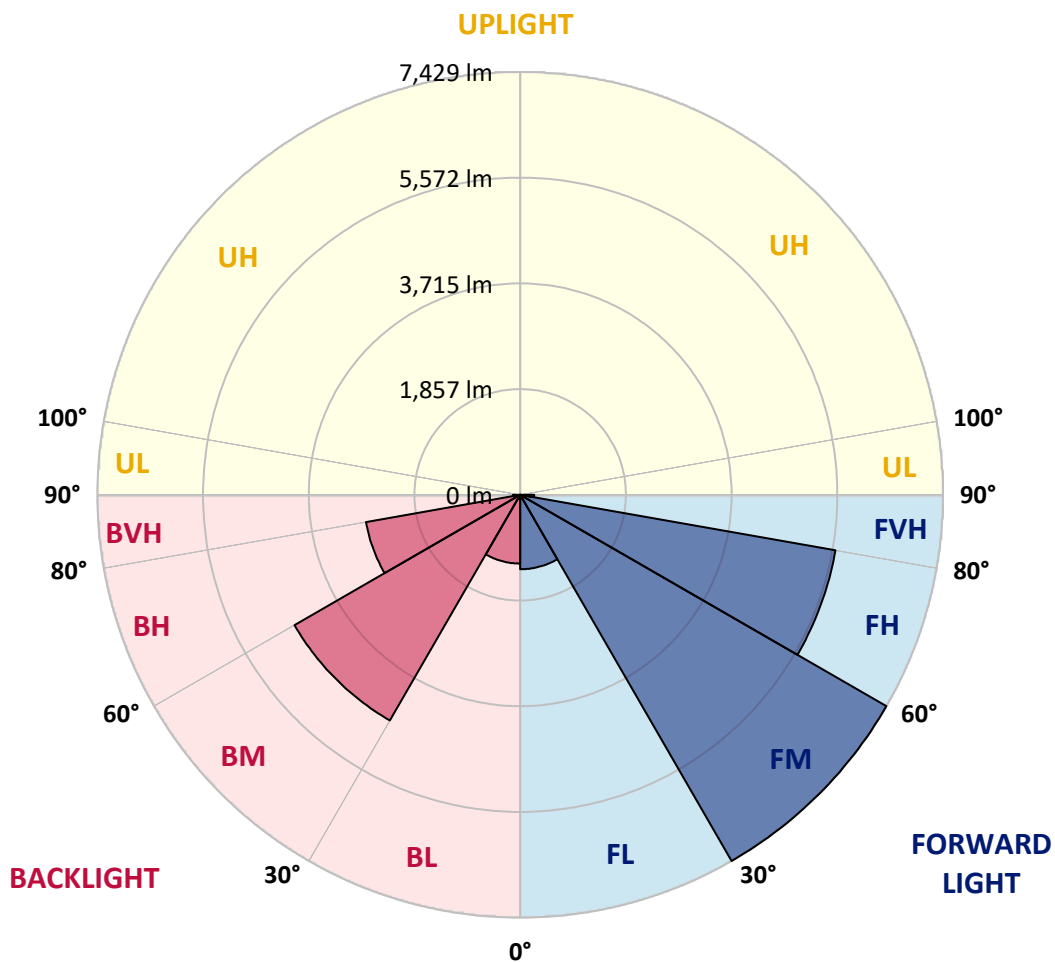
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1307.5	5.6			
FM	(30°-60°)	7429.4	31.9			
FH	(60°-80°)	5625.0	24.2			G3/7500
FVH	(80°-90°)	246.2	1.1			G3/500
BL	(0°-30°)	1208.4	5.2	B3/2500		
BM	(30°-60°)	4578.3	19.7	B3/5000		
BH	(60°-80°)	2751.1	11.8	B4/5000		G4/5000
BVH	(80°-90°)	127.8	0.5			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5
2.5°	2283.1	2284.6	2283.1	2278.6	2277.1	2263.5	2248.4	2240.9	2239.4	2233.3	2234.8
5°	2424.8	2420.3	2414.3	2406.7	2399.2	2376.6	2351.0	2337.4	2332.9	2328.3	2322.3
7.5°	2551.5	2554.5	2551.5	2541.0	2521.4	2492.7	2459.5	2438.4	2436.9	2432.4	2427.9
10°	2714.4	2721.9	2703.8	2685.7	2658.6	2614.8	2577.1	2550.0	2545.5	2539.5	2536.4
12.5°	2890.8	2892.3	2886.3	2845.6	2800.3	2740.0	2685.7	2658.6	2652.5	2645.0	2642.0
15°	3079.3	3080.8	3047.6	3008.4	2939.1	2866.7	2791.3	2761.1	2753.6	2755.1	2743.0
17.5°	3228.6	3231.6	3199.9	3150.2	3067.2	2981.3	2899.9	2875.7	2871.2	2872.7	2866.7
20°	3293.4	3298.0	3278.4	3240.7	3162.2	3086.8	3028.0	3013.0	3011.4	3008.4	3020.5
22.5°	3290.4	3291.9	3284.4	3269.3	3222.6	3178.8	3171.3	3180.3	3178.8	3181.9	3192.4
25°	3263.3	3267.8	3266.3	3272.3	3264.8	3281.4	3316.1	3347.7	3352.3	3358.3	3377.9
27.5°	3332.7	3341.7	3331.1	3337.2	3349.2	3405.0	3475.9	3524.2	3533.2	3549.8	3566.4
30°	3604.1	3592.0	3578.5	3563.4	3570.9	3605.6	3685.5	3727.7	3732.3	3744.3	3767.0
32.5°	4006.7	3993.1	3981.1	3957.0	3950.9	3935.8	3963.0	3973.5	3972.0	3984.1	3990.1
35°	4460.6	4462.1	4459.1	4477.2	4492.3	4415.4	4320.4	4294.7	4305.3	4291.7	4294.7
37.5°	4848.2	4852.7	4932.6	5032.2	5060.8	5012.5	4804.4	4701.9	4667.2	4662.7	4628.0
40°	5278.0	5278.0	5398.6	5520.7	5600.7	5661.0	5413.7	5232.7	5158.8	5137.7	5051.8
42.5°	5750.0	5725.8	5835.9	5970.1	6117.9	6255.1	6127.0	5923.4	5817.8	5780.1	5629.3
45°	6137.5	6122.4	6176.7	6301.9	6541.6	6810.1	6828.2	6724.1	6660.8	6582.4	6443.6
47.5°	6375.8	6368.2	6399.9	6535.6	6835.7	7270.0	7512.8	7565.6	7527.9	7467.6	7333.3
50°	6469.3	6458.7	6481.3	6632.1	6968.4	7541.4	8078.3	8327.1	8345.2	8358.8	8316.5
52.5°	6436.1	6422.5	6469.3	6595.9	6945.8	7636.4	8520.1	8998.2	9078.1	9145.9	9284.7
55°	6117.9	6096.8	6223.5	6461.7	6847.8	7601.8	8842.8	9643.6	9812.5	9993.4	10301.1
57.5°	5630.8	5612.7	5795.2	6122.4	6674.4	7506.8	9060.0	10459.4	10839.4	11165.1	12038.3
60°	5161.8	5146.8	5253.8	5570.5	6111.9	7043.8	8791.6	10733.9	11371.7	12074.5	13668.4
62.5°	4323.4	4282.7	4425.9	4692.9	5035.2	5826.9	7619.9	10123.1	11106.3	12139.3	14300.2
65°	2657.1	2715.9	2839.5	3135.1	3696.1	4073.1	5596.1	8189.9	9486.7	10782.1	13585.5
67.5°	1687.4	1704.0	1796.0	2001.1	2435.4	2813.9	3391.5	5139.2	6139.0	7413.3	10666.0
70°	1446.2	1456.7	1535.1	1749.3	2049.4	2515.3	2566.6	2684.2	3043.1	3854.4	6270.2
72.5°	1140.0	1158.1	1220.0	1405.4	1767.4	2268.0	3168.3	2121.7	2049.4	2117.2	3059.7
75°	678.6	699.7	751.0	852.0	1135.5	1734.2	3319.1	2468.6	2301.2	2170.0	2111.2
77.5°	358.9	343.8	378.5	437.3	583.6	924.4	2494.2	3025.0	2907.4	2750.6	2417.3
80°	177.9	184.0	194.5	206.6	260.9	375.5	1247.1	3129.1	3468.4	3619.2	3323.6
82.5°	70.9	79.9	113.1	120.6	143.3	159.8	401.1	1734.2	2483.7	3368.8	4398.8
85°	36.2	34.7	60.3	72.4	84.4	75.4	141.8	646.9	1164.2	1814.1	2939.1
87.5°	4.5	6.0	13.6	18.1	25.6	24.1	40.7	140.2	223.2	316.7	444.9
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5
2.5°	2227.3	2225.8	2225.8	2219.8	2219.8	2221.3	2216.7	2213.7	2213.7	2215.2	2209.2
5°	2317.8	2313.3	2313.3	2307.2	2299.7	2299.7	2293.6	2292.1	2289.1	2283.1	2278.6
7.5°	2423.3	2418.8	2411.3	2406.7	2403.7	2399.2	2391.7	2388.7	2382.6	2376.6	2370.6
10°	2531.9	2525.9	2522.9	2515.3	2512.3	2503.3	2498.7	2500.2	2488.2	2483.7	2485.2
12.5°	2640.5	2634.5	2623.9	2620.9	2619.4	2610.3	2605.8	2602.8	2593.7	2592.2	2587.7
15°	2737.0	2740.0	2735.5	2727.9	2721.9	2720.4	2715.9	2712.9	2706.8	2700.8	2694.8
17.5°	2862.2	2866.7	2860.7	2850.1	2850.1	2848.6	2850.1	2848.6	2838.0	2842.6	2839.5
20°	3022.0	3025.0	3009.9	3014.5	3017.5	3016.0	3020.5	3025.0	3022.0	3022.0	3026.5
22.5°	3206.0	3210.5	3201.5	3207.5	3216.5	3209.0	3222.6	3221.1	3224.1	3228.6	3230.1
25°	3394.5	3403.5	3396.0	3412.6	3406.5	3412.6	3429.2	3424.6	3432.2	3444.2	3448.8
27.5°	3583.0	3589.0	3590.5	3601.1	3611.6	3620.7	3641.8	3641.8	3647.8	3668.9	3668.9
30°	3780.5	3786.6	3792.6	3807.7	3813.7	3830.3	3851.4	3857.4	3854.4	3884.6	3893.6
32.5°	4008.2	4014.3	4024.8	4042.9	4050.5	4067.0	4067.0	4083.6	4095.7	4121.3	4122.8
35°	4311.3	4315.9	4311.3	4309.8	4320.4	4343.0	4344.5	4368.6	4379.2	4404.8	4412.4
37.5°	4614.4	4612.9	4593.3	4572.2	4573.7	4564.7	4558.6	4569.2	4573.7	4575.2	4591.8
40°	5023.1	4983.9	4953.7	4901.0	4876.8	4839.1	4816.5	4815.0	4790.9	4787.9	4792.4
42.5°	5558.4	5513.2	5442.3	5353.4	5285.5	5216.1	5164.9	5134.7	5081.9	5054.8	5032.2
45°	6306.4	6194.8	6110.4	6004.8	5873.6	5753.0	5626.3	5569.0	5468.0	5406.1	5336.8
47.5°	7220.2	7110.2	6980.5	6871.9	6700.0	6532.6	6359.2	6206.9	6030.4	5890.2	5775.6
50°	8212.5	8147.7	8054.2	7953.1	7731.4	7621.4	7402.7	7196.1	7006.1	6755.8	6537.1
52.5°	9230.4	9268.1	9247.0	9210.8	9070.5	9028.3	8839.8	8588.0	8396.5	8224.6	7844.5
55°	10485.0	10530.3	10620.8	10673.5	10656.9	10764.0	10717.3	10521.2	10444.3	10364.4	10094.5
57.5°	12404.7	12727.4	13072.7	13375.8	13446.7	13826.7	13745.3	13941.3	14080.1	13980.5	13893.1
60°	14451.0	15102.5	15689.1	16302.8	16802.0	17176.0	17670.6	18003.9	18213.5	18590.5	18620.6
62.5°	15275.9	16161.1	16906.0	17617.8	18210.5	18729.2	19175.6	19635.5	20012.5	20353.3	20599.1
65°	14823.5	15747.9	16651.2	17373.5	17943.5	18389.9	18875.5	19240.4	19611.4	19830.0	20087.9
67.5°	12323.3	13547.8	14659.1	15473.5	16253.1	16707.0	17281.5	17640.4	18034.0	18264.7	18430.6
70°	8034.6	9628.5	11147.0	12382.1	13434.7	13964.0	14657.6	15147.7	15621.2	15633.3	15909.3
72.5°	4335.5	5668.5	6939.8	8201.9	9402.3	10106.5	10791.2	11386.8	11857.3	11656.7	11931.2
75°	2414.3	3038.6	3733.8	4492.3	5223.7	5626.3	6137.5	6140.5	6383.3	6001.8	6098.3
77.5°	2322.3	2293.6	2304.2	2325.3	2361.5	2284.6	2283.1	2236.3	2164.0	2032.8	2055.4
80°	3050.7	2685.7	2423.3	2011.7	1619.6	1321.0	1238.1	1257.7	1316.5	1434.1	1583.4
82.5°	4410.9	4103.2	3662.9	3014.5	2366.0	1824.7	1498.9	1330.0	1322.5	1440.1	1666.3
85°	3212.0	3397.5	3368.8	2812.4	2319.3	1883.5	1370.8	1158.1	959.1	912.3	992.3
87.5°	473.5	392.1	441.8	369.5	268.4	208.1	182.5	146.3	140.2	143.3	156.8
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5
2.5°	2210.7	2204.7	2198.6	2203.2	2198.6	2197.1	2192.6	2189.6	2188.1	2188.1	2188.1
5°	2278.6	2271.0	2266.5	2265.0	2260.5	2255.9	2254.4	2246.9	2245.4	2245.4	2240.9
7.5°	2370.6	2364.5	2357.0	2352.5	2349.4	2341.9	2334.4	2332.9	2331.3	2325.3	2320.8
10°	2477.6	2468.6	2459.5	2459.5	2453.5	2452.0	2444.4	2433.9	2432.4	2423.3	2420.3
12.5°	2578.7	2575.6	2565.1	2562.1	2557.5	2553.0	2548.5	2544.0	2539.5	2531.9	2534.9
15°	2699.3	2691.8	2682.7	2684.2	2682.7	2676.7	2670.6	2666.1	2663.1	2660.1	2660.1
17.5°	2844.1	2841.0	2839.5	2832.0	2826.0	2830.5	2830.5	2830.5	2823.0	2824.5	2826.0
20°	3028.0	3031.1	3028.0	3022.0	3020.5	3025.0	3014.5	3031.1	3022.0	3016.0	3019.0
22.5°	3231.6	3242.2	3230.1	3231.6	3239.2	3242.2	3231.6	3245.2	3240.7	3231.6	3239.2
25°	3453.3	3460.8	3454.8	3453.3	3457.8	3468.4	3466.9	3465.4	3475.9	3466.9	3471.4
27.5°	3681.0	3685.5	3688.5	3693.1	3696.1	3694.6	3700.6	3700.6	3706.6	3696.1	3700.6
30°	3907.2	3907.2	3913.2	3919.3	3919.3	3919.3	3931.3	3932.8	3923.8	3926.8	3916.2
32.5°	4148.5	4150.0	4156.0	4156.0	4168.1	4169.6	4183.2	4165.1	4183.2	4168.1	4171.1
35°	4432.0	4451.6	4454.6	4469.7	4481.7	4486.3	4486.3	4487.8	4504.4	4492.3	4496.8
37.5°	4597.9	4602.4	4614.4	4622.0	4622.0	4628.0	4632.5	4628.0	4632.5	4631.0	4635.6
40°	4793.9	4789.4	4802.9	4806.0	4799.9	4807.5	4806.0	4801.4	4813.5	4804.4	4810.5
42.5°	5032.2	5006.5	5005.0	5017.1	5005.0	5011.0	5009.5	4999.0	5014.1	5018.6	5014.1
45°	5287.0	5273.4	5246.3	5246.3	5234.2	5229.7	5231.2	5229.7	5231.2	5249.3	5255.3
47.5°	5701.7	5618.8	5572.0	5528.3	5492.1	5490.6	5474.0	5483.0	5495.1	5525.3	5552.4
50°	6396.9	6205.4	6087.7	5979.2	5900.8	5873.6	5841.9	5838.9	5849.5	5884.2	5930.9
52.5°	7636.4	7371.0	7120.7	6888.5	6686.4	6531.1	6454.2	6413.5	6398.4	6433.1	6478.3
55°	9904.5	9403.8	9050.9	8815.7	8313.5	8100.9	7828.0	7702.8	7580.7	7592.7	7669.6
57.5°	13780.0	13510.1	13214.5	12802.8	12495.2	12124.2	11442.6	11062.6	11079.2	11168.2	10890.7
60°	18858.9	18585.9	18463.8	18089.8	17875.7	17726.4	17364.5	16734.1	16510.9	16468.7	15959.0
62.5°	20787.6	20852.4	20949.0	21054.5	21048.5	21113.3	20796.6	20591.6	20333.7	19998.9	19495.3
65°	20283.9	20448.3	20644.3	20927.8	21250.6	21488.8	21689.4	21665.2	21424.0	20977.6	20445.3
67.5°	18578.4	18741.3	18884.5	19264.5	19793.8	20277.9	20706.2	20997.2	20835.9	20466.4	19845.1
70°	16014.8	16132.4	16222.9	16553.2	17133.7	17724.9	18284.3	18772.9	18723.2	18275.3	17779.2
72.5°	11604.0	11889.0	12042.8	12020.2	12379.1	13041.1	13119.5	13537.2	13653.3	13170.8	12380.6
75°	5653.4	5658.0	5480.0	5421.2	5439.3	5553.9	5335.3	5348.8	5273.4	4931.1	4649.1
77.5°	1975.5	1921.2	1791.5	1637.7	1417.5	1210.9	1001.3	910.8	880.7	791.7	729.9
80°	1702.5	1782.4	1756.8	1630.1	1397.9	1114.4	832.4	616.8	526.3	494.6	464.5
82.5°	1933.2	2240.9	2436.9	2426.4	2108.2	1583.4	987.7	567.0	404.1	354.4	325.7
85°	1078.2	1159.6	1182.3	1076.7	894.2	610.7	340.8	239.8	203.6	185.5	167.4
87.5°	171.9	156.8	153.8	134.2	126.7	116.1	102.5	96.5	89.0	84.4	84.4
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-F10-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5
2.5°	2186.6	2185.1	2180.5	2176.0	2173.0	2171.5	2170.0	2167.0	2165.5	2164.0	2160.9
5°	2237.9	2234.8	2227.3	2219.8	2216.7	2212.2	2207.7	2204.7	2201.7	2200.2	2194.1
7.5°	2317.8	2314.8	2305.7	2299.7	2298.2	2286.1	2284.6	2280.1	2272.5	2271.0	2262.0
10°	2414.3	2412.8	2405.2	2400.7	2397.7	2391.7	2382.6	2375.1	2367.5	2367.5	2361.5
12.5°	2525.9	2519.8	2524.4	2513.8	2510.8	2504.8	2500.2	2498.7	2489.7	2482.1	2480.6
15°	2657.1	2649.5	2649.5	2646.5	2643.5	2637.5	2636.0	2637.5	2628.4	2631.4	2622.4
17.5°	2819.9	2823.0	2821.4	2821.4	2813.9	2813.9	2801.8	2816.9	2806.4	2813.9	2810.9
20°	3023.5	3025.0	3022.0	3026.5	3029.5	3028.0	3026.5	3025.0	3029.5	3035.6	3031.1
22.5°	3240.7	3240.7	3239.2	3255.7	3237.6	3251.2	3255.7	3246.7	3270.8	3267.8	3272.3
25°	3475.9	3475.9	3488.0	3501.5	3504.6	3494.0	3500.0	3492.5	3507.6	3519.6	3522.7
27.5°	3694.6	3714.2	3723.2	3714.2	3721.7	3738.3	3736.8	3736.8	3747.3	3744.3	3773.0
30°	3919.3	3931.3	3943.4	3937.4	3940.4	3961.5	3963.0	3964.5	3978.1	3997.7	4018.8
32.5°	4175.6	4187.7	4181.6	4201.3	4199.7	4225.4	4229.9	4234.4	4276.7	4269.1	4312.8
35°	4490.8	4502.8	4496.8	4517.9	4514.9	4524.0	4540.5	4558.6	4566.2	4609.9	4644.6
37.5°	4638.6	4638.6	4652.1	4676.3	4685.3	4700.4	4726.0	4748.7	4786.4	4833.1	4887.4
40°	4816.5	4821.0	4839.1	4864.8	4881.4	4916.0	4962.8	4994.5	5051.8	5103.0	5166.4
42.5°	5032.2	5051.8	5072.9	5107.6	5143.7	5198.0	5264.4	5305.1	5380.5	5446.8	5525.3
45°	5284.0	5303.6	5353.4	5416.7	5469.5	5529.8	5584.1	5680.6	5748.4	5817.8	5885.7
47.5°	5588.6	5645.9	5686.6	5762.0	5826.9	5906.8	5974.6	6065.1	6139.0	6223.5	6280.8
50°	5979.2	6050.0	6102.8	6200.8	6264.2	6353.1	6439.1	6507.0	6582.4	6665.3	6712.0
52.5°	6540.1	6612.5	6678.9	6801.0	6879.4	6939.8	7054.4	7138.8	7208.2	7268.5	7319.8
55°	7755.6	7734.5	7918.4	8155.2	8182.3	8401.0	8441.7	8512.6	8640.8	8658.9	8802.1
57.5°	11228.5	11119.9	11386.8	11733.6	11673.3	11563.2	12023.2	12051.8	11987.0	12160.4	11964.4
60°	16034.4	15844.4	15916.8	16011.8	15874.6	15809.7	15832.4	15897.2	15833.9	15764.5	15574.5
62.5°	19243.4	18950.9	18741.3	18564.8	18341.6	18180.3	17999.3	17776.2	17715.8	17462.5	17249.9
65°	19928.0	19472.6	19140.9	18807.6	18500.0	18215.0	17942.0	17750.5	17497.2	17197.1	16975.4
67.5°	19175.6	18611.6	18126.0	17641.9	17293.6	16874.4	16669.3	16357.1	16045.0	15701.2	15497.6
70°	16989.0	16400.9	15790.1	15316.6	14843.1	14324.4	14223.3	13853.9	13674.4	13205.4	13124.0
72.5°	11726.1	11334.0	11061.1	10476.0	10188.0	9922.6	9838.1	9495.8	9532.0	9017.8	9204.8
75°	4169.6	4113.8	4033.9	3703.6	3644.8	3542.3	3515.1	3491.0	3735.3	3396.0	3641.8
77.5°	716.3	711.8	671.1	651.5	689.2	665.0	671.1	659.0	729.9	740.4	723.8
80°	444.9	432.8	419.2	410.2	411.7	402.6	404.1	407.2	411.7	410.2	414.7
82.5°	304.6	294.1	288.0	282.0	291.0	294.1	301.6	309.1	321.2	328.7	337.8
85°	165.9	152.3	152.3	150.8	162.9	171.9	184.0	199.1	220.2	238.3	257.9
87.5°	84.4	81.4	82.9	86.0	96.5	104.1	119.1	132.7	150.8	170.4	188.5
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-F10-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5	2165.5
2.5°	2159.4	2159.4	2157.9	2157.9	2156.4	2154.9	2153.4	2148.9	2132.3	2117.2	2106.7
5°	2192.6	2188.1	2186.6	2182.1	2180.5	2177.5	2173.0	2168.5	2138.3	2111.2	2091.6
7.5°	2260.5	2254.4	2251.4	2246.9	2242.4	2236.3	2230.3	2225.8	2189.6	2157.9	2133.8
10°	2349.4	2346.4	2344.9	2338.9	2338.9	2329.8	2328.3	2317.8	2278.6	2249.9	2228.8
12.5°	2473.1	2467.1	2465.6	2458.0	2461.0	2458.0	2455.0	2449.0	2420.3	2387.1	2358.5
15°	2626.9	2626.9	2619.4	2613.3	2614.8	2611.8	2617.9	2610.3	2592.2	2562.1	2515.3
17.5°	2812.4	2809.4	2812.4	2807.9	2810.9	2813.9	2806.4	2807.9	2798.8	2761.1	2691.8
20°	3028.0	3023.5	3041.6	3034.1	3050.7	3035.6	3038.6	3043.1	3043.1	2993.4	2899.9
22.5°	3275.3	3272.3	3272.3	3287.4	3293.4	3295.0	3301.0	3305.5	3317.6	3254.2	3104.9
25°	3522.7	3533.2	3534.7	3554.3	3563.4	3563.4	3567.9	3584.5	3620.7	3533.2	3340.2
27.5°	3774.5	3800.1	3806.2	3819.7	3833.3	3846.9	3857.4	3869.5	3928.3	3833.3	3581.5
30°	4026.3	4055.0	4076.1	4091.2	4107.8	4140.9	4147.0	4171.1	4269.1	4153.0	3810.7
32.5°	4321.9	4362.6	4389.7	4409.4	4435.0	4466.7	4484.8	4514.9	4609.9	4419.9	3978.1
35°	4674.8	4698.9	4738.1	4771.3	4786.4	4840.6	4869.3	4876.8	4949.2	4650.6	4101.7
37.5°	4919.1	4959.8	5027.6	5074.4	5101.5	5131.7	5179.9	5211.6	5281.0	4860.2	4163.6
40°	5229.7	5291.5	5345.8	5415.2	5458.9	5481.5	5529.8	5555.4	5564.5	5039.7	4143.9
42.5°	5608.2	5664.0	5736.4	5792.2	5825.4	5851.0	5890.2	5900.8	5783.1	5124.1	4038.4
45°	5964.1	6050.0	6111.9	6152.6	6176.7	6190.3	6214.4	6215.9	5964.1	5081.9	3857.4
47.5°	6347.1	6408.9	6466.2	6494.9	6491.9	6494.9	6485.9	6479.8	6054.6	4935.6	3625.2
50°	6770.9	6811.6	6835.7	6849.3	6856.8	6828.2	6787.4	6760.3	6062.1	4727.5	3390.0
52.5°	7339.4	7390.6	7386.1	7384.6	7324.3	7297.1	7188.6	7132.8	6018.4	4483.2	3124.5
55°	8779.5	8729.7	8631.7	8680.0	8434.2	8306.0	8137.1	7980.3	6075.7	4251.0	2816.9
57.5°	12042.8	12062.4	11783.4	11634.1	11219.4	10700.7	10283.0	9877.3	6591.4	4109.3	2415.8
60°	15447.8	15191.5	14837.1	14297.2	13763.4	12992.8	12249.4	11546.7	7105.6	3961.5	1940.8
62.5°	16934.7	16569.8	16034.4	15336.2	14497.8	13555.3	12629.4	11772.9	6856.8	3483.4	1411.5
65°	16633.1	16075.1	15484.0	14666.7	13647.3	12614.3	11533.1	10658.5	5736.4	2598.3	870.1
67.5°	15055.7	14582.2	13957.9	12988.3	11898.0	10822.8	9832.1	8851.9	4261.6	1619.6	487.1
70°	12707.8	12244.9	11611.5	10619.2	9530.5	8502.0	7452.5	6653.2	2715.9	781.1	351.4
72.5°	8815.7	8440.2	7992.3	7285.1	6330.5	5395.6	4685.3	4071.6	1505.0	414.7	321.2
75°	3580.0	3581.5	3500.0	3201.5	2705.3	2332.9	1989.0	1687.4	628.8	352.9	316.7
77.5°	811.3	824.9	901.8	855.0	770.6	720.8	645.4	570.0	383.0	363.4	319.7
80°	410.2	411.7	407.2	408.7	404.1	405.6	399.6	395.1	358.9	374.0	319.7
82.5°	342.3	349.9	348.3	348.3	349.9	349.9	349.9	348.3	372.5	393.6	309.1
85°	271.4	286.5	298.6	310.6	324.2	333.3	337.8	342.3	361.9	387.6	280.5
87.5°	205.1	223.2	238.3	250.3	271.4	271.4	286.5	297.1	297.1	303.1	147.8
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: P159274

CATALOG NUMBER: VTS-F10-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	2165.5	2165.5	2165.5	2165.5	2165.5
2.5°	2091.6	2085.5	2079.5	2076.5	2070.5
5°	2076.5	2064.4	2056.9	2056.9	2050.9
7.5°	2120.2	2115.7	2105.1	2099.1	2105.1
10°	2213.7	2206.2	2194.1	2185.1	2189.6
12.5°	2338.9	2308.7	2284.6	2274.0	2266.5
15°	2468.6	2408.3	2360.0	2332.9	2325.3
17.5°	2607.3	2501.8	2429.4	2388.7	2381.1
20°	2749.1	2617.9	2515.3	2462.5	2461.0
22.5°	2919.5	2744.5	2613.3	2544.0	2539.5
25°	3098.9	2857.6	2684.2	2595.2	2586.2
27.5°	3254.2	2948.1	2727.9	2622.4	2613.3
30°	3383.9	3016.0	2764.1	2642.0	2629.9
32.5°	3477.4	3055.2	2779.2	2648.0	2634.5
35°	3507.6	3040.1	2737.0	2593.7	2578.7
37.5°	3466.9	2942.1	2619.4	2461.0	2442.9
40°	3344.7	2770.2	2427.9	2265.0	2242.4
42.5°	3157.7	2559.1	2197.1	2041.8	2013.2
45°	2927.0	2320.8	1967.9	1794.5	1780.9
47.5°	2685.7	2070.5	1710.1	1553.2	1536.6
50°	2424.8	1780.9	1458.2	1287.8	1287.8
52.5°	2114.2	1498.9	1165.7	1037.5	1026.9
55°	1756.8	1180.8	928.9	830.9	817.3
57.5°	1372.3	907.8	741.9	684.6	669.5
60°	1008.8	681.6	597.2	565.5	559.5
62.5°	684.6	518.7	481.0	467.5	466.0
65°	463.0	404.1	393.6	389.1	390.6
67.5°	355.9	336.3	331.8	330.2	330.2
70°	309.1	297.1	292.5	294.1	292.5
72.5°	291.0	274.5	276.0	279.0	277.5
75°	285.0	263.9	269.9	271.4	265.4
77.5°	280.5	251.8	266.9	271.4	254.8
80°	271.4	241.3	277.5	279.0	250.3
82.5°	248.8	214.1	277.5	256.4	226.2
85°	211.1	162.9	313.7	223.2	167.4
87.5°	134.2	96.5	212.6	152.3	101.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)