

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: P159249

Luminaire Tested: **VTS-E08-LED-E1-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159249
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-E08-LED-E1-T2-7030
Description: VENTUS LED SITE LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (168) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22554 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G4

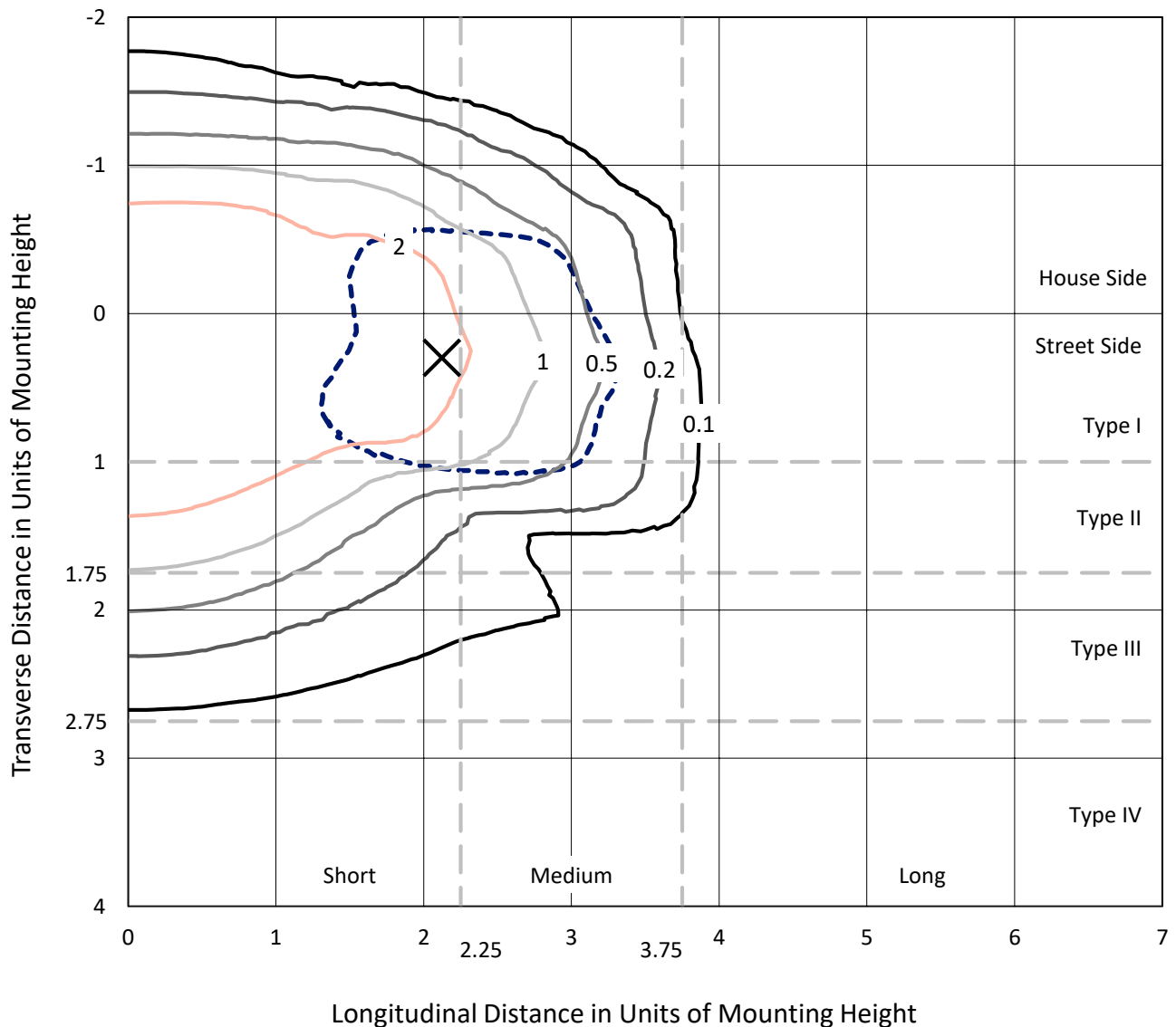
Input Watts (W): 194.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

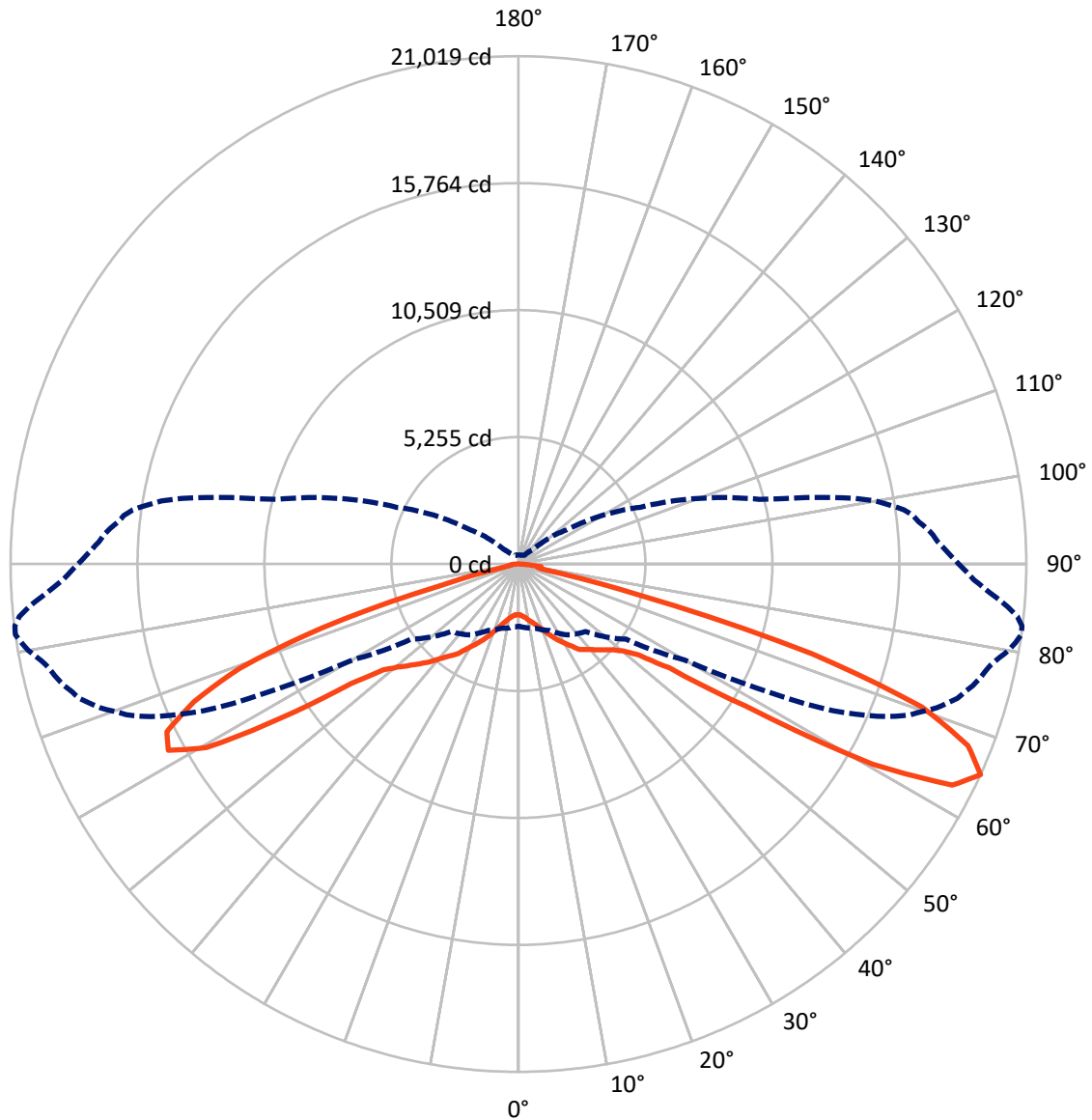


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - Semi-Cutoff

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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	8397.6	0.0	8397.6
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	14156.4	0.0	14156.4
	% Fixture	62.8	0.0	62.8
Total	Lumens	22554.0	0.0	22554.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.4	0.9
10°-20°	746.5	3.3
20°-30°	1479.1	6.6
30°-40°	2535.5	11.2
40°-50°	3809.0	16.9
50°-60°	5291.9	23.5
60°-70°	6037.3	26.8
70°-80°	2079.8	9.2
80°-90°	362.5	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°	22554.0	100.0
0°-180°	22554.0	100.0



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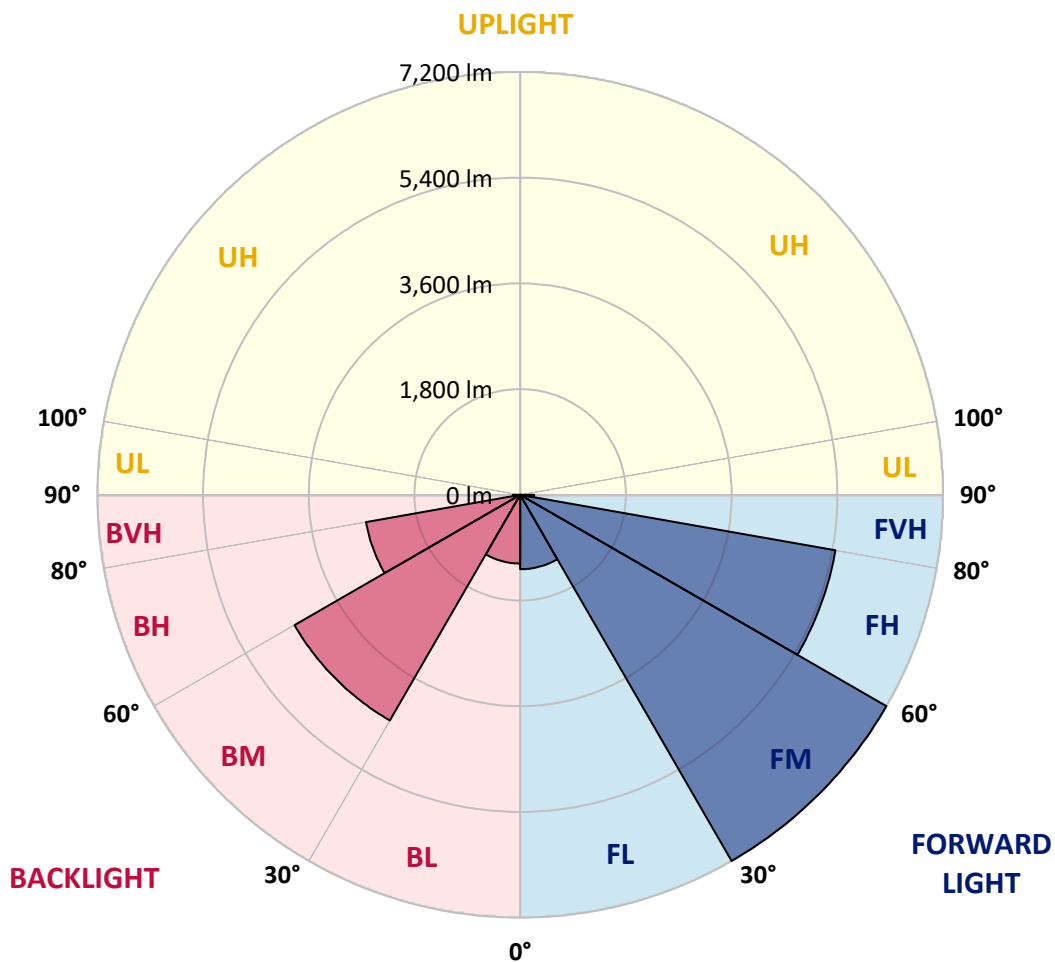
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1267.1	5.6			
FM	(30°-60°)	7199.7	31.9			
FH	(60°-80°)	5451.1	24.2			G3/7500
FVH	(80°-90°)	238.6	1.1			G3/500
BL	(0°-30°)	1171.0	5.2	B3/2500		
BM	(30°-60°)	4436.7	19.7	B3/5000		
BH	(60°-80°)	2666.0	11.8	B4/5000		G4/5000
BVH	(80°-90°)	123.9	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°	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5
2.5°	2212.5	2214.0	2212.5	2208.1	2206.7	2193.5	2178.9	2171.6	2170.1	2164.3	2165.7
5°	2349.9	2345.5	2339.6	2332.3	2325.0	2303.1	2278.3	2265.1	2260.7	2256.3	2250.5
7.5°	2472.6	2475.5	2472.6	2462.4	2443.4	2415.6	2383.5	2363.0	2361.6	2357.2	2352.8
10°	2630.4	2637.8	2620.2	2602.7	2576.4	2534.0	2497.5	2471.2	2466.8	2460.9	2458.0
12.5°	2801.4	2802.9	2797.0	2757.6	2713.7	2655.3	2602.7	2576.4	2570.5	2563.2	2560.3
15°	2984.1	2985.6	2953.4	2915.4	2848.2	2778.0	2705.0	2675.8	2668.4	2669.9	2658.2
17.5°	3128.8	3131.7	3101.0	3052.8	2972.4	2889.1	2810.2	2786.8	2782.4	2783.9	2778.0
20°	3191.6	3196.0	3177.0	3140.5	3064.5	2991.4	2934.4	2919.8	2918.3	2915.4	2927.1
22.5°	3188.7	3190.2	3182.8	3168.2	3122.9	3080.5	3073.2	3082.0	3080.5	3083.5	3093.7
25°	3162.4	3166.8	3165.3	3171.2	3163.8	3179.9	3213.5	3244.2	3248.6	3254.4	3273.4
27.5°	3229.6	3238.4	3228.1	3234.0	3245.7	3299.8	3368.4	3415.2	3424.0	3440.0	3456.1
30°	3492.7	3481.0	3467.8	3453.2	3460.5	3494.1	3571.6	3612.5	3616.9	3628.6	3650.5
32.5°	3882.8	3869.7	3858.0	3834.6	3828.8	3814.2	3840.5	3850.7	3849.2	3860.9	3866.8
35°	4322.7	4324.2	4321.2	4338.8	4353.4	4278.9	4186.8	4162.0	4172.2	4159.0	4162.0
37.5°	4698.3	4702.7	4780.1	4876.6	4904.3	4857.6	4655.9	4556.5	4522.9	4518.5	4484.9
40°	5114.8	5114.8	5231.7	5350.0	5427.5	5485.9	5246.3	5070.9	4999.3	4978.9	4895.6
42.5°	5572.2	5548.8	5655.5	5785.5	5928.7	6061.7	5937.5	5740.2	5637.9	5601.4	5455.3
45°	5947.7	5933.1	5985.7	6107.0	6339.4	6599.5	6617.0	6516.2	6454.8	6378.8	6244.4
47.5°	6178.6	6171.3	6202.0	6333.5	6624.3	7045.2	7280.5	7331.6	7295.1	7236.7	7106.6
50°	6269.2	6259.0	6280.9	6427.1	6752.9	7308.3	7828.5	8069.6	8087.2	8100.3	8059.4
52.5°	6237.1	6223.9	6269.2	6392.0	6731.0	7400.3	8256.7	8719.9	8797.4	8863.2	8997.6
55°	5928.7	5908.3	6031.0	6261.9	6636.0	7366.7	8569.4	9345.4	9509.1	9684.4	9982.6
57.5°	5456.7	5439.2	5616.0	5933.1	6468.0	7274.7	8779.9	10136.0	10504.3	10819.9	11666.0
60°	5002.2	4987.6	5091.4	5398.3	5922.9	6826.0	8519.7	10402.0	11020.1	11701.1	13245.8
62.5°	4189.7	4150.3	4289.1	4547.8	4879.5	5646.7	7384.3	9810.1	10762.9	11764.0	13858.1
65°	2574.9	2631.9	2751.7	3038.2	3581.8	3947.1	5423.1	7936.6	9193.4	10448.7	13165.4
67.5°	1635.3	1651.3	1740.5	1939.2	2360.1	2726.9	3286.6	4980.3	5949.2	7184.0	10336.2
70°	1401.4	1411.7	1487.7	1695.2	1986.0	2437.5	2487.2	2601.2	2949.0	3735.2	6076.3
72.5°	1104.8	1122.3	1182.2	1362.0	1712.7	2197.9	3070.3	2056.1	1986.0	2051.8	2965.1
75°	657.6	678.1	727.8	825.7	1100.4	1680.6	3216.5	2392.2	2230.0	2102.9	2045.9
77.5°	347.8	333.2	366.8	423.8	565.5	895.8	2417.1	2931.5	2817.5	2665.5	2342.6
80°	172.4	178.3	188.5	200.2	252.8	363.9	1208.5	3032.3	3361.1	3507.3	3220.8
82.5°	68.7	77.5	109.6	116.9	138.8	154.9	388.7	1680.6	2406.9	3264.7	4262.8
85°	35.1	33.6	58.5	70.1	81.8	73.1	137.4	626.9	1128.2	1758.0	2848.2
87.5°	4.4	5.8	13.2	17.5	24.8	23.4	39.5	135.9	216.3	306.9	431.1
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°	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5
2.5°	2158.4	2157.0	2157.0	2151.1	2151.1	2152.6	2148.2	2145.3	2145.3	2146.7	2140.9
5°	2246.1	2241.7	2241.7	2235.9	2228.6	2228.6	2222.7	2221.3	2218.3	2212.5	2208.1
7.5°	2348.4	2344.0	2336.7	2332.3	2329.4	2325.0	2317.7	2314.8	2308.9	2303.1	2297.3
10°	2453.6	2447.8	2444.9	2437.5	2434.6	2425.9	2421.5	2422.9	2411.2	2406.9	2408.3
12.5°	2558.8	2553.0	2542.8	2539.8	2538.4	2529.6	2525.2	2522.3	2513.5	2512.1	2507.7
15°	2652.4	2655.3	2650.9	2643.6	2637.8	2636.3	2631.9	2629.0	2623.1	2617.3	2611.5
17.5°	2773.7	2778.0	2772.2	2762.0	2762.0	2760.5	2762.0	2760.5	2750.3	2754.7	2751.7
20°	2928.6	2931.5	2916.9	2921.3	2924.2	2922.7	2927.1	2931.5	2928.6	2928.6	2933.0
22.5°	3106.9	3111.2	3102.5	3108.3	3117.1	3109.8	3122.9	3121.5	3124.4	3128.8	3130.2
25°	3289.5	3298.3	3291.0	3307.1	3301.2	3307.1	3323.1	3318.7	3326.1	3337.7	3342.1
27.5°	3472.2	3478.0	3479.5	3489.7	3500.0	3508.7	3529.2	3529.2	3535.0	3555.5	3555.5
30°	3663.6	3669.5	3675.3	3689.9	3695.8	3711.9	3732.3	3738.2	3735.2	3764.5	3773.2
32.5°	3884.3	3890.1	3900.4	3917.9	3925.2	3941.3	3941.3	3957.4	3969.1	3993.9	3995.4
35°	4178.0	4182.4	4178.0	4176.6	4186.8	4208.7	4210.2	4233.6	4243.8	4268.6	4275.9
37.5°	4471.8	4470.3	4451.3	4430.8	4432.3	4423.5	4417.7	4427.9	4432.3	4433.8	4449.8
40°	4867.8	4829.8	4800.6	4749.4	4726.0	4689.5	4667.6	4666.1	4642.7	4639.8	4644.2
42.5°	5386.6	5342.7	5274.1	5187.8	5122.1	5054.8	5005.2	4975.9	4924.8	4898.5	4876.6
45°	6111.4	6003.3	5921.4	5819.1	5692.0	5575.1	5452.3	5396.8	5298.9	5239.0	5171.8
47.5°	6997.0	6890.3	6764.6	6659.4	6492.8	6330.6	6162.6	6015.0	5844.0	5708.1	5597.0
50°	7958.6	7895.7	7805.1	7707.2	7492.4	7385.7	7173.8	6973.6	6789.5	6546.9	6335.0
52.5°	8945.0	8981.5	8961.1	8926.0	8790.1	8749.2	8566.5	8322.4	8136.9	7970.3	7602.0
55°	10160.8	10204.7	10292.4	10343.5	10327.4	10431.2	10385.9	10195.9	10121.4	10043.9	9782.3
57.5°	12021.2	12333.9	12668.5	12962.3	13031.0	13399.2	13320.3	13510.3	13644.7	13548.3	13463.5
60°	14004.2	14635.5	15204.0	15798.8	16282.5	16644.9	17124.2	17447.2	17650.3	18015.7	18044.9
62.5°	14803.6	15661.4	16383.3	17073.1	17647.4	18150.1	18582.7	19028.4	19393.7	19724.0	19962.2
65°	14365.2	15261.0	16136.3	16836.3	17388.7	17821.3	18291.8	18645.5	19005.0	19216.9	19466.8
67.5°	11942.2	13128.9	14205.9	14995.0	15750.5	16190.4	16747.2	17095.0	17476.4	17700.0	17860.7
70°	7786.1	9330.8	10802.4	11999.2	13019.3	13532.2	14204.4	14679.4	15138.2	15149.9	15417.4
72.5°	4201.4	5493.3	6725.2	7948.3	9111.6	9794.0	10457.5	11034.7	11490.7	11296.3	11562.3
75°	2339.6	2944.6	3618.3	4353.4	5062.2	5452.3	5947.7	5950.7	6185.9	5816.2	5909.7
77.5°	2250.5	2222.7	2233.0	2253.4	2288.5	2214.0	2212.5	2167.2	2097.1	1969.9	1991.8
80°	2956.3	2602.7	2348.4	1949.5	1569.5	1280.2	1199.8	1218.8	1275.8	1389.8	1534.4
82.5°	4274.5	3976.4	3549.6	2921.3	2292.9	1768.2	1452.6	1288.9	1281.6	1395.6	1614.8
85°	3112.7	3292.4	3264.7	2725.4	2247.6	1825.2	1328.4	1122.3	929.4	884.1	961.6
87.5°	458.9	380.0	428.2	358.0	260.1	201.7	176.8	141.8	135.9	138.8	152.0
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5
2.5°	2142.4	2136.5	2130.7	2135.0	2130.7	2129.2	2124.8	2121.9	2120.4	2120.4	2120.4
5°	2208.1	2200.8	2196.4	2195.0	2190.6	2186.2	2184.7	2177.4	2176.0	2176.0	2171.6
7.5°	2297.3	2291.4	2284.1	2279.7	2276.8	2269.5	2262.2	2260.7	2259.3	2253.4	2249.0
10°	2401.0	2392.2	2383.5	2383.5	2377.6	2376.2	2368.9	2358.6	2357.2	2348.4	2345.5
12.5°	2498.9	2496.0	2485.8	2482.9	2478.5	2474.1	2469.7	2465.3	2460.9	2453.6	2456.5
15°	2615.8	2608.5	2599.8	2601.2	2599.8	2593.9	2588.1	2583.7	2580.8	2577.8	2577.8
17.5°	2756.1	2753.2	2751.7	2744.4	2738.6	2743.0	2743.0	2743.0	2735.7	2737.1	2738.6
20°	2934.4	2937.3	2934.4	2928.6	2927.1	2931.5	2921.3	2937.3	2928.6	2922.7	2925.6
22.5°	3131.7	3141.9	3130.2	3131.7	3139.0	3141.9	3131.7	3144.8	3140.5	3131.7	3139.0
25°	3346.5	3353.8	3348.0	3346.5	3350.9	3361.1	3359.7	3358.2	3368.4	3359.7	3364.1
27.5°	3567.2	3571.6	3574.5	3578.9	3581.8	3580.3	3586.2	3586.2	3592.0	3581.8	3586.2
30°	3786.4	3786.4	3792.2	3798.1	3798.1	3798.1	3809.8	3811.2	3802.5	3805.4	3795.2
32.5°	4020.2	4021.7	4027.5	4027.5	4039.2	4040.7	4053.8	4036.3	4053.8	4039.2	4042.1
35°	4294.9	4313.9	4316.9	4331.5	4343.2	4347.5	4347.5	4349.0	4365.1	4353.4	4357.8
37.5°	4455.7	4460.1	4471.8	4479.1	4479.1	4484.9	4489.3	4484.9	4489.3	4487.8	4492.2
40°	4645.7	4641.3	4654.4	4657.4	4651.5	4658.8	4657.4	4653.0	4664.7	4655.9	4661.7
42.5°	4876.6	4851.7	4850.3	4861.9	4850.3	4856.1	4854.6	4844.4	4859.0	4863.4	4859.0
45°	5123.5	5110.4	5084.1	5084.1	5072.4	5068.0	5069.5	5068.0	5069.5	5087.0	5092.8
47.5°	5525.4	5445.0	5399.7	5357.3	5322.3	5320.8	5304.7	5313.5	5325.2	5354.4	5380.7
50°	6199.1	6013.5	5899.5	5794.3	5718.3	5692.0	5661.3	5658.4	5668.6	5702.2	5747.5
52.5°	7400.3	7143.1	6900.5	6675.5	6479.7	6329.2	6254.6	6215.2	6200.6	6234.2	6278.0
55°	9598.2	9113.0	8771.1	8543.1	8056.5	7850.4	7585.9	7464.6	7346.3	7358.0	7432.5
57.5°	13353.9	13092.3	12805.9	12407.0	12108.8	11749.3	11088.8	10720.5	10736.6	10822.8	10553.9
60°	18275.8	18011.3	17892.9	17530.5	17323.0	17178.3	16827.6	16216.7	16000.4	15959.5	15465.6
62.5°	20144.9	20207.7	20301.2	20403.5	20397.7	20460.5	20153.6	19954.9	19705.0	19380.6	18892.5
65°	19656.8	19816.0	20006.0	20280.8	20593.5	20824.4	21018.7	20995.4	20761.5	20329.0	19813.1
67.5°	18004.0	18161.8	18300.6	18668.9	19181.8	19650.9	20065.9	20348.0	20191.6	19833.6	19231.5
70°	15519.6	15633.6	15721.3	16041.4	16604.0	17176.8	17719.0	18192.5	18144.3	17710.2	17229.4
72.5°	11245.2	11521.4	11670.4	11648.5	11996.3	12637.8	12713.8	13118.6	13231.2	12763.5	11997.8
75°	5478.6	5483.0	5310.6	5253.6	5271.1	5382.2	5170.3	5183.4	5110.4	4778.6	4505.4
77.5°	1914.4	1861.8	1736.1	1587.0	1373.7	1173.5	970.3	882.7	853.4	767.2	707.3
80°	1649.9	1727.3	1702.5	1579.7	1354.7	1079.9	806.7	597.7	510.0	479.3	450.1
82.5°	1873.5	2171.6	2361.6	2351.3	2043.0	1534.4	957.2	549.5	391.6	343.4	315.7
85°	1044.9	1123.8	1145.7	1043.4	866.6	591.9	330.3	232.4	197.3	179.7	162.2
87.5°	166.6	152.0	149.1	130.1	122.8	112.5	99.4	93.5	86.2	81.8	81.8
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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CATALOG NUMBER: VTS-E08-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5
2.5°	2119.0	2117.5	2113.1	2108.7	2105.8	2104.4	2102.9	2100.0	2098.5	2097.1	2094.1
5°	2168.7	2165.7	2158.4	2151.1	2148.2	2143.8	2139.4	2136.5	2133.6	2132.1	2126.3
7.5°	2246.1	2243.2	2234.4	2228.6	2227.1	2215.4	2214.0	2209.6	2202.3	2200.8	2192.0
10°	2339.6	2338.2	2330.9	2326.5	2323.6	2317.7	2308.9	2301.6	2294.3	2294.3	2288.5
12.5°	2447.8	2441.9	2446.3	2436.1	2433.2	2427.3	2422.9	2421.5	2412.7	2405.4	2403.9
15°	2574.9	2567.6	2567.6	2564.7	2561.8	2555.9	2554.5	2555.9	2547.2	2550.1	2541.3
17.5°	2732.7	2735.7	2734.2	2734.2	2726.9	2726.9	2715.2	2729.8	2719.6	2726.9	2724.0
20°	2930.0	2931.5	2928.6	2933.0	2935.9	2934.4	2933.0	2931.5	2935.9	2941.7	2937.3
22.5°	3140.5	3140.5	3139.0	3155.1	3137.5	3150.7	3155.1	3146.3	3169.7	3166.8	3171.2
25°	3368.4	3368.4	3380.1	3393.3	3396.2	3386.0	3391.8	3384.5	3399.1	3410.8	3413.7
27.5°	3580.3	3599.3	3608.1	3599.3	3606.6	3622.7	3621.3	3621.3	3631.5	3628.6	3656.3
30°	3798.1	3809.8	3821.5	3815.6	3818.5	3839.0	3840.5	3841.9	3855.1	3874.1	3894.5
32.5°	4046.5	4058.2	4052.4	4071.4	4069.9	4094.7	4099.1	4103.5	4144.4	4137.1	4179.5
35°	4351.9	4363.6	4357.8	4378.2	4375.3	4384.1	4400.2	4417.7	4425.0	4467.4	4501.0
37.5°	4495.1	4495.1	4508.3	4531.7	4540.4	4555.1	4579.9	4601.8	4638.4	4683.7	4736.3
40°	4667.6	4672.0	4689.5	4714.3	4730.4	4764.0	4809.3	4840.0	4895.6	4945.2	5006.6
42.5°	4876.6	4895.6	4916.0	4949.6	4984.7	5037.3	5101.6	5141.1	5214.1	5278.4	5354.4
45°	5120.6	5139.6	5187.8	5249.2	5300.4	5358.8	5411.4	5504.9	5570.7	5637.9	5703.7
47.5°	5415.8	5471.3	5510.8	5583.9	5646.7	5724.1	5789.9	5877.6	5949.2	6031.0	6086.6
50°	5794.3	5863.0	5914.1	6009.1	6070.5	6156.7	6240.0	6305.8	6378.8	6459.2	6504.5
52.5°	6337.9	6408.1	6472.4	6590.7	6666.7	6725.2	6836.2	6918.1	6985.3	7043.8	7093.4
55°	7515.8	7495.3	7673.6	7903.0	7929.3	8141.2	8180.7	8249.4	8373.6	8391.1	8530.0
57.5°	10881.3	10776.1	11034.7	11370.8	11312.4	11205.7	11651.4	11679.2	11616.4	11784.4	11594.4
60°	15538.6	15354.5	15424.7	15516.7	15383.7	15320.9	15342.8	15405.7	15344.3	15277.1	15092.9
62.5°	18648.4	18364.9	18161.8	17990.8	17774.5	17618.2	17442.8	17226.5	17168.1	16922.6	16716.5
65°	19311.9	18870.5	18549.0	18226.1	17928.0	17651.8	17387.3	17201.7	16956.2	16665.4	16450.5
67.5°	18582.7	18036.1	17565.6	17096.5	16758.9	16352.6	16153.9	15851.4	15548.9	15215.7	15018.4
70°	16463.7	15893.8	15301.9	14843.0	14384.2	13881.5	13783.6	13425.5	13251.6	12797.1	12718.2
72.5°	11363.5	10983.6	10719.1	10152.1	9873.0	9615.8	9533.9	9202.2	9237.3	8738.9	8920.1
75°	4040.7	3986.6	3909.1	3589.1	3532.1	3432.7	3406.4	3383.0	3619.8	3291.0	3529.2
77.5°	694.1	689.8	650.3	631.3	667.8	644.5	650.3	638.6	707.3	717.5	701.5
80°	431.1	419.4	406.3	397.5	399.0	390.2	391.6	394.6	399.0	397.5	401.9
82.5°	295.2	285.0	279.1	273.3	282.0	285.0	292.3	299.6	311.3	318.6	327.3
85°	160.7	147.6	147.6	146.1	157.8	166.6	178.3	192.9	213.4	230.9	249.9
87.5°	81.8	78.9	80.4	83.3	93.5	100.8	115.4	128.6	146.1	165.1	182.7
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: P159249

CATALOG NUMBER: VTS-E08-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5	2098.5
2.5°	2092.7	2092.7	2091.2	2091.2	2089.7	2088.3	2086.8	2082.4	2066.4	2051.8	2041.5
5°	2124.8	2120.4	2119.0	2114.6	2113.1	2110.2	2105.8	2101.4	2072.2	2045.9	2026.9
7.5°	2190.6	2184.7	2181.8	2177.4	2173.0	2167.2	2161.4	2157.0	2121.9	2091.2	2067.8
10°	2276.8	2273.9	2272.4	2266.6	2266.6	2257.8	2256.3	2246.1	2208.1	2180.3	2159.9
12.5°	2396.6	2390.8	2389.3	2382.0	2384.9	2382.0	2379.1	2373.2	2345.5	2313.3	2285.6
15°	2545.7	2545.7	2538.4	2532.5	2534.0	2531.1	2536.9	2529.6	2512.1	2482.9	2437.5
17.5°	2725.4	2722.5	2725.4	2721.1	2724.0	2726.9	2719.6	2721.1	2712.3	2675.8	2608.5
20°	2934.4	2930.0	2947.6	2940.3	2956.3	2941.7	2944.6	2949.0	2949.0	2900.8	2810.2
22.5°	3174.1	3171.2	3171.2	3185.8	3191.6	3193.1	3198.9	3203.3	3215.0	3153.6	3008.9
25°	3413.7	3424.0	3425.4	3444.4	3453.2	3453.2	3457.6	3473.7	3508.7	3424.0	3236.9
27.5°	3657.8	3682.6	3688.5	3701.6	3714.8	3727.9	3738.2	3749.9	3806.8	3714.8	3470.7
30°	3901.8	3929.6	3950.1	3964.7	3980.7	4012.9	4018.7	4042.1	4137.1	4024.6	3692.9
32.5°	4188.3	4227.7	4254.0	4273.0	4297.9	4328.5	4346.1	4375.3	4467.4	4283.2	3855.1
35°	4530.2	4553.6	4591.6	4623.7	4638.4	4691.0	4718.7	4726.0	4796.2	4506.8	3974.9
37.5°	4767.0	4806.4	4872.2	4917.5	4943.8	4973.0	5019.8	5050.5	5117.7	4710.0	4034.8
40°	5068.0	5127.9	5180.5	5247.7	5290.1	5312.0	5358.8	5383.7	5392.4	4883.9	4015.8
42.5°	5434.8	5488.9	5559.0	5613.1	5645.2	5670.1	5708.1	5718.3	5604.3	4965.7	3913.5
45°	5779.7	5863.0	5922.9	5962.4	5985.7	5998.9	6022.3	6023.7	5779.7	4924.8	3738.2
47.5°	6150.9	6210.8	6266.3	6294.1	6291.2	6294.1	6285.3	6279.5	5867.4	4783.0	3513.1
50°	6561.5	6601.0	6624.3	6637.5	6644.8	6617.0	6577.6	6551.3	5874.7	4581.4	3285.1
52.5°	7112.4	7162.1	7157.7	7156.3	7097.8	7071.5	6966.3	6912.2	5832.3	4344.6	3027.9
55°	8508.0	8459.8	8364.8	8411.6	8173.4	8049.2	7885.5	7733.5	5887.8	4119.6	2729.8
57.5°	11670.4	11689.4	11419.1	11274.4	10872.5	10369.8	9965.0	9571.9	6387.6	3982.2	2341.1
60°	14970.2	14721.7	14378.3	13855.2	13337.8	12591.1	11870.6	11189.6	6885.9	3839.0	1880.8
62.5°	16411.1	16057.4	15538.6	14862.0	14049.5	13136.2	12238.9	11408.8	6644.8	3375.7	1367.8
65°	16118.8	15578.1	15005.3	14213.2	13225.3	12224.3	11176.5	10328.9	5559.0	2517.9	843.2
67.5°	14590.2	14131.4	13526.4	12586.7	11530.1	10488.2	9528.1	8578.2	4129.8	1569.5	472.0
70°	12314.9	11866.2	11252.5	10290.9	9235.8	8239.2	7222.0	6447.5	2631.9	757.0	340.5
72.5°	8543.1	8179.2	7745.2	7059.8	6134.8	5228.7	4540.4	3945.7	1458.4	401.9	311.3
75°	3469.3	3470.7	3391.8	3102.5	2621.7	2260.7	1927.5	1635.3	609.4	342.0	306.9
77.5°	786.2	799.4	873.9	828.6	746.8	698.5	625.5	552.4	371.2	352.2	309.8
80°	397.5	399.0	394.6	396.0	391.6	393.1	387.3	382.9	347.8	362.4	309.8
82.5°	331.7	339.0	337.6	337.6	339.0	339.0	339.0	337.6	361.0	381.4	299.6
85°	263.0	277.7	289.3	301.0	314.2	323.0	327.3	331.7	350.7	375.6	271.8
87.5°	198.7	216.3	230.9	242.6	263.0	263.0	277.7	287.9	287.9	293.7	143.2
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: P159249

CATALOG NUMBER: VTS-E08-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	2098.5	2098.5	2098.5	2098.5	2098.5
2.5°	2026.9	2021.1	2015.2	2012.3	2006.4
5°	2012.3	2000.6	1993.3	1993.3	1987.5
7.5°	2054.7	2050.3	2040.1	2034.2	2040.1
10°	2145.3	2138.0	2126.3	2117.5	2121.9
12.5°	2266.6	2237.3	2214.0	2203.7	2196.4
15°	2392.2	2333.8	2287.0	2260.7	2253.4
17.5°	2526.7	2424.4	2354.3	2314.8	2307.5
20°	2664.1	2536.9	2437.5	2386.4	2384.9
22.5°	2829.2	2659.7	2532.5	2465.3	2460.9
25°	3003.1	2769.3	2601.2	2515.0	2506.2
27.5°	3153.6	2857.0	2643.6	2541.3	2532.5
30°	3279.3	2922.7	2678.7	2560.3	2548.6
32.5°	3369.9	2960.7	2693.3	2566.1	2553.0
35°	3399.1	2946.1	2652.4	2513.5	2498.9
37.5°	3359.7	2851.1	2538.4	2384.9	2367.4
40°	3241.3	2684.5	2352.8	2195.0	2173.0
42.5°	3060.1	2479.9	2129.2	1978.7	1950.9
45°	2836.5	2249.0	1907.1	1739.0	1725.9
47.5°	2602.7	2006.4	1657.2	1505.2	1489.1
50°	2349.9	1725.9	1413.1	1248.0	1248.0
52.5°	2048.8	1452.6	1129.6	1005.4	995.2
55°	1702.5	1144.2	900.2	805.2	792.1
57.5°	1329.8	879.7	719.0	663.5	648.8
60°	977.7	660.5	578.7	548.0	542.2
62.5°	663.5	502.7	466.2	453.0	451.6
65°	448.6	391.6	381.4	377.0	378.5
67.5°	344.9	325.9	321.5	320.0	320.0
70°	299.6	287.9	283.5	285.0	283.5
72.5°	282.0	266.0	267.4	270.4	268.9
75°	276.2	255.7	261.6	263.0	257.2
77.5°	271.8	244.0	258.7	263.0	247.0
80°	263.0	233.8	268.9	270.4	242.6
82.5°	241.1	207.5	268.9	248.4	219.2
85°	204.6	157.8	304.0	216.3	162.2
87.5°	130.1	93.5	206.1	147.6	97.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)