

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: P159239

Luminaire Tested: **VTS-E07-LED-E1-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159239
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-E07-LED-E1-T2-7030
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (147) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19734.8 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

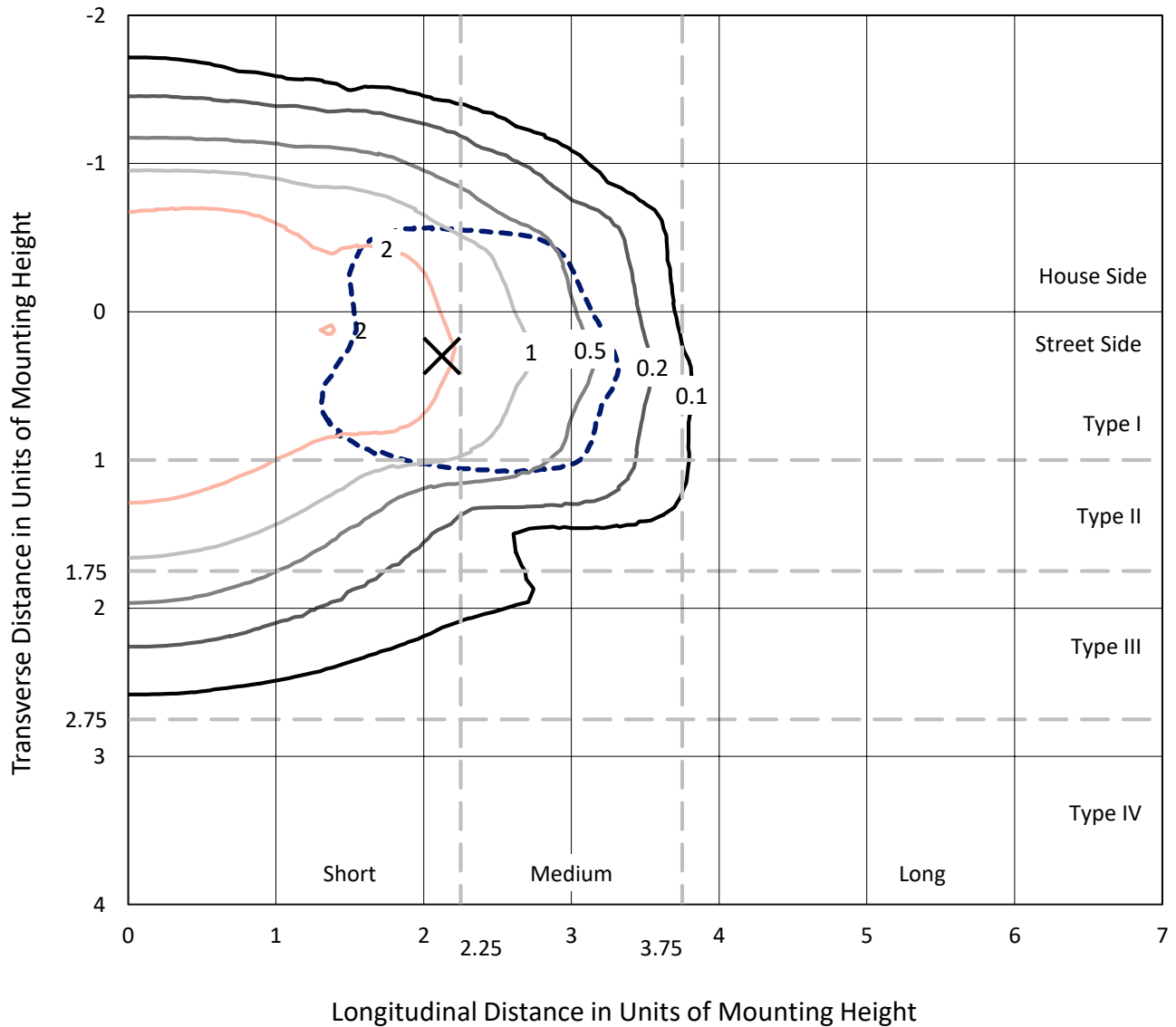
Input Watts (W): 172.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

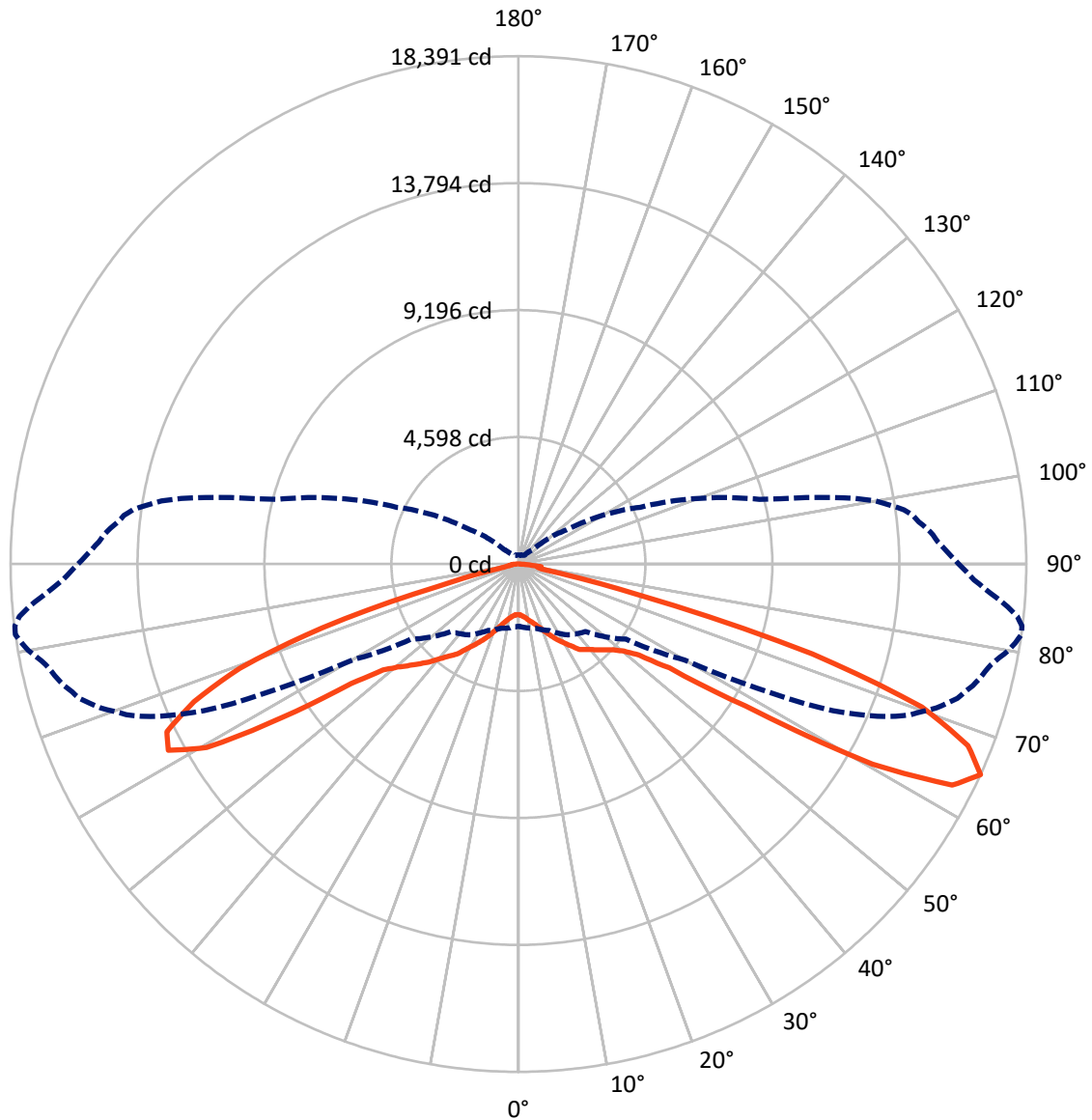


Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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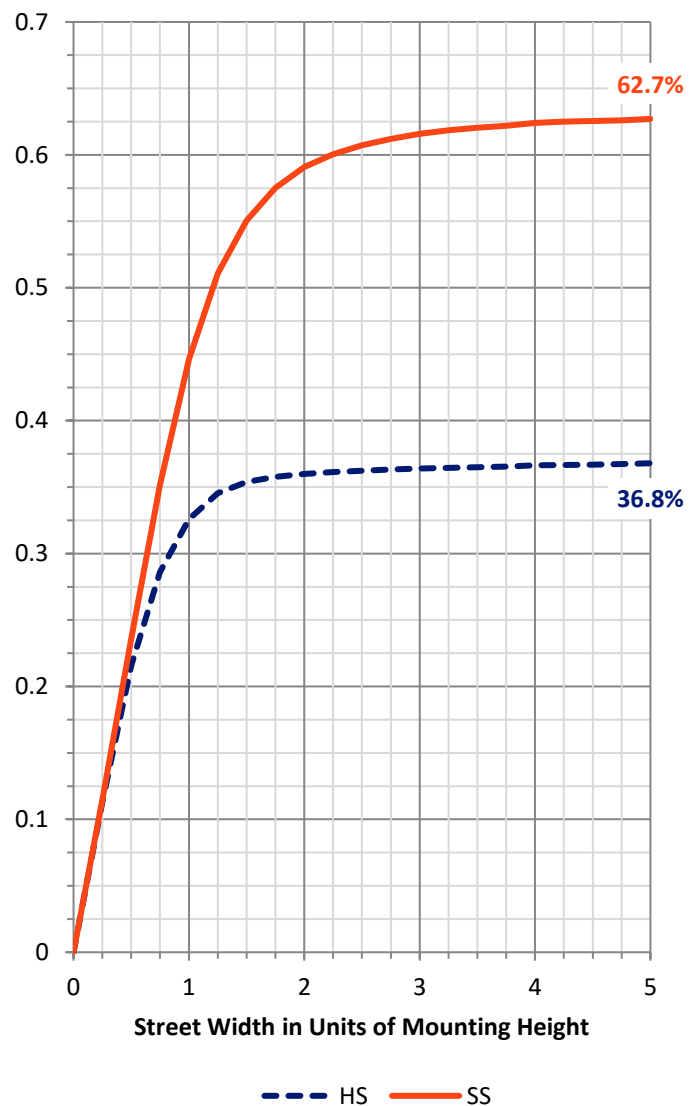
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7347.9	0.0	7347.9
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	12386.9	0.0	12386.9
	% Fixture	62.8	0.0	62.8
Total	Lumens	19734.8	0.0	19734.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.9	0.9
10°-20°	653.2	3.3
20°-30°	1294.2	6.6
30°-40°	2218.6	11.2
40°-50°	3332.9	16.9
50°-60°	4630.4	23.5
60°-70°	5282.6	26.8
70°-80°	1819.8	9.2
80°-90°	317.2	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°	19734.8	100.0
0°-180°	19734.8	100.0

Coefficient of Utilization



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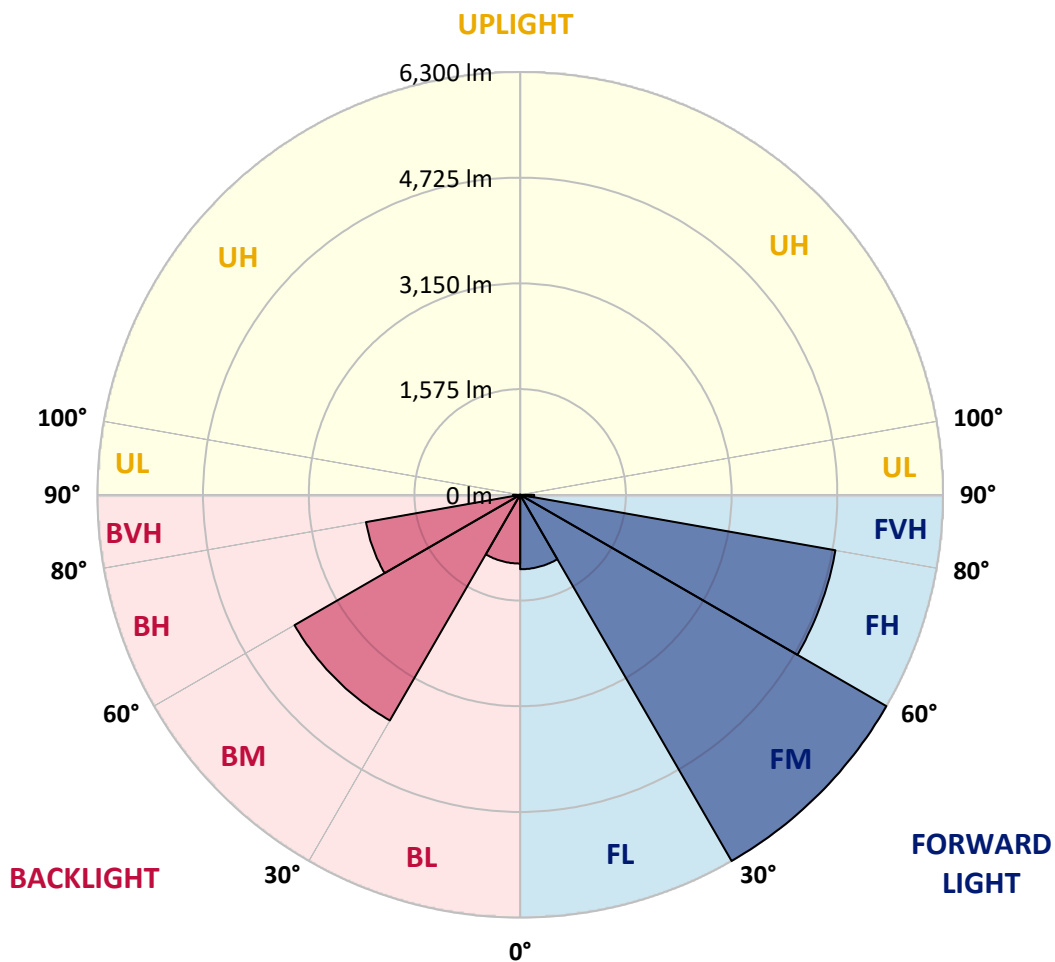
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1108.7	5.6			
FM	(30°-60°)	6299.7	31.9			
FH	(60°-80°)	4769.7	24.2			G2/5000
FVH	(80°-90°)	208.8	1.1			G2/225
BL	(0°-30°)	1024.6	5.2	B3/2500		
BM	(30°-60°)	3882.1	19.7	B3/5000		
BH	(60°-80°)	2332.7	11.8	B3/2500		G3/2500
BVH	(80°-90°)	108.4	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°	60°	61°	62°	64°
0°	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2
2.5°	1935.9	1937.2	1935.9	1932.1	1930.8	1919.3	1906.5	1900.1	1898.9	1893.7	1895.0
5°	2056.1	2052.3	2047.2	2040.8	2034.4	2015.2	1993.5	1982.0	1978.1	1974.3	1969.2
7.5°	2163.5	2166.1	2163.5	2154.6	2138.0	2113.7	2085.5	2067.6	2066.4	2062.5	2058.7
10°	2301.6	2308.0	2292.7	2277.3	2254.3	2217.2	2185.3	2162.3	2158.4	2153.3	2150.8
12.5°	2451.2	2452.5	2447.4	2412.9	2374.5	2323.4	2277.3	2254.3	2249.2	2242.8	2240.3
15°	2611.1	2612.4	2584.2	2551.0	2492.2	2430.8	2366.9	2341.3	2334.9	2336.2	2325.9
17.5°	2737.7	2740.2	2713.4	2671.2	2600.9	2528.0	2458.9	2438.5	2434.6	2435.9	2430.8
20°	2792.7	2796.5	2779.9	2747.9	2681.4	2617.5	2567.6	2554.8	2553.5	2551.0	2561.2
22.5°	2790.1	2791.4	2785.0	2772.2	2732.6	2695.5	2689.1	2696.8	2695.5	2698.0	2707.0
25°	2767.1	2770.9	2769.6	2774.8	2768.4	2782.4	2811.8	2838.7	2842.5	2847.6	2864.3
27.5°	2825.9	2833.6	2824.6	2829.7	2840.0	2887.3	2947.4	2988.3	2996.0	3010.0	3024.1
30°	3056.1	3045.8	3034.3	3021.5	3027.9	3057.3	3125.1	3160.9	3164.8	3175.0	3194.2
32.5°	3397.5	3386.0	3375.7	3355.3	3350.2	3337.4	3360.4	3369.3	3368.1	3378.3	3383.4
35°	3782.4	3783.6	3781.1	3796.4	3809.2	3744.0	3663.4	3641.7	3650.7	3639.2	3641.7
37.5°	4111.0	4114.8	4182.6	4267.0	4291.3	4250.4	4073.9	3987.0	3957.5	3953.7	3924.3
40°	4475.4	4475.4	4577.7	4681.3	4749.1	4800.2	4590.5	4437.1	4374.4	4356.5	4283.6
42.5°	4875.6	4855.2	4948.5	5062.3	5187.6	5304.0	5195.3	5022.7	4933.2	4901.2	4773.4
45°	5204.3	5191.5	5237.5	5343.6	5547.0	5774.6	5789.9	5701.7	5648.0	5581.5	5463.8
47.5°	5406.3	5399.9	5426.8	5541.8	5796.3	6164.6	6370.4	6415.2	6383.2	6332.1	6218.3
50°	5485.6	5476.6	5495.8	5623.7	5908.8	6394.7	6849.9	7060.9	7076.3	7087.8	7052.0
52.5°	5457.5	5445.9	5485.6	5593.0	5889.6	6475.3	7224.6	7629.9	7697.7	7755.3	7872.9
55°	5187.6	5169.7	5277.2	5479.2	5806.5	6445.9	7498.2	8177.2	8320.4	8473.9	8734.7
57.5°	4774.6	4759.3	4914.0	5191.5	5659.5	6365.3	7682.4	8869.0	9191.2	9467.4	10207.8
60°	4377.0	4364.2	4455.0	4723.5	5182.5	5972.8	7454.8	9101.7	9642.6	10238.5	11590.1
62.5°	3666.0	3631.5	3753.0	3979.3	4269.5	4940.9	6461.2	8583.8	9417.6	10293.5	12125.8
65°	2253.1	2302.9	2407.8	2658.4	3134.1	3453.7	4745.2	6944.6	8044.2	9142.6	11519.7
67.5°	1430.9	1444.9	1522.9	1696.8	2065.1	2386.0	2875.8	4357.8	5205.5	6286.0	9044.2
70°	1226.3	1235.2	1301.7	1483.3	1737.7	2132.9	2176.3	2276.1	2580.4	3268.3	5316.8
72.5°	966.7	982.0	1034.5	1191.7	1498.6	1923.2	2686.5	1799.1	1737.7	1795.3	2594.5
75°	575.4	593.3	636.8	722.5	962.9	1470.5	2814.4	2093.2	1951.3	1840.0	1790.2
77.5°	304.3	291.5	321.0	370.8	494.9	783.8	2115.0	2565.1	2465.3	2332.3	2049.7
80°	150.9	156.0	165.0	175.2	221.2	318.4	1057.5	2653.3	2941.0	3068.9	2818.2
82.5°	60.1	67.8	95.9	102.3	121.5	135.5	340.1	1470.5	2106.0	2856.6	3729.9
85°	30.7	29.4	51.1	61.4	71.6	63.9	120.2	548.6	987.1	1538.3	2492.2
87.5°	3.8	5.1	11.5	15.3	21.7	20.5	34.5	118.9	189.2	268.5	377.2
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°	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2
2.5°	1888.6	1887.3	1887.3	1882.2	1882.2	1883.5	1879.7	1877.1	1877.1	1878.4	1873.3
5°	1965.3	1961.5	1961.5	1956.4	1950.0	1950.0	1944.9	1943.6	1941.1	1935.9	1932.1
7.5°	2054.9	2051.0	2044.6	2040.8	2038.2	2034.4	2028.0	2025.4	2020.3	2015.2	2010.1
10°	2146.9	2141.8	2139.2	2132.9	2130.3	2122.6	2118.8	2120.1	2109.8	2106.0	2107.3
12.5°	2239.0	2233.9	2224.9	2222.4	2221.1	2213.4	2209.6	2207.0	2199.3	2198.1	2194.2
15°	2320.8	2323.4	2319.5	2313.2	2308.0	2306.8	2302.9	2300.4	2295.2	2290.1	2285.0
17.5°	2427.0	2430.8	2425.7	2416.7	2416.7	2415.4	2416.7	2415.4	2406.5	2410.3	2407.8
20°	2562.5	2565.1	2552.3	2556.1	2558.7	2557.4	2561.2	2565.1	2562.5	2562.5	2566.3
22.5°	2718.5	2722.3	2714.7	2719.8	2727.4	2721.1	2732.6	2731.3	2733.8	2737.7	2739.0
25°	2878.3	2886.0	2879.6	2893.7	2888.6	2893.7	2907.7	2903.9	2910.3	2920.5	2924.4
27.5°	3038.2	3043.3	3044.6	3053.5	3062.5	3070.1	3088.0	3088.0	3093.2	3111.1	3111.1
30°	3205.7	3210.8	3215.9	3228.7	3233.8	3247.9	3265.8	3270.9	3268.3	3293.9	3301.6
32.5°	3398.8	3403.9	3412.8	3428.2	3434.6	3448.6	3448.6	3462.7	3472.9	3494.7	3495.9
35°	3655.8	3659.6	3655.8	3654.5	3663.4	3682.6	3683.9	3704.4	3713.3	3735.1	3741.4
37.5°	3912.8	3911.5	3894.9	3877.0	3878.3	3870.6	3865.5	3874.4	3878.3	3879.5	3893.6
40°	4259.3	4226.1	4200.5	4155.7	4135.3	4103.3	4084.1	4082.9	4062.4	4059.8	4063.7
42.5°	4713.3	4674.9	4614.8	4539.4	4481.8	4423.0	4379.5	4353.9	4309.2	4286.2	4267.0
45°	5347.5	5252.9	5181.3	5091.7	4980.5	4878.2	4770.8	4722.2	4636.5	4584.1	4525.3
47.5°	6122.4	6029.0	5919.1	5827.0	5681.2	5539.3	5392.2	5263.1	5113.5	4994.6	4897.4
50°	6963.7	6908.8	6829.5	6743.8	6555.8	6462.5	6277.1	6101.9	5940.8	5728.5	5543.1
52.5°	7826.9	7858.8	7840.9	7810.2	7691.3	7655.5	7495.7	7282.1	7119.7	6974.0	6651.7
55°	8890.7	8929.1	9005.8	9050.6	9036.5	9127.3	9087.7	8921.4	8856.2	8788.4	8559.6
57.5°	10518.5	10792.1	11085.0	11342.0	11402.1	11724.3	11655.3	11821.5	11939.1	11854.7	11780.6
60°	12253.7	12806.1	13303.5	13823.9	14247.2	14564.3	14983.7	15266.3	15444.0	15763.7	15789.3
62.5°	12953.1	13703.7	14335.4	14938.9	15441.5	15881.3	16259.8	16649.8	16969.5	17258.5	17466.9
65°	12569.5	13353.4	14119.3	14731.8	15215.1	15593.6	16005.4	16314.8	16629.4	16814.8	17033.4
67.5°	10449.5	11487.8	12430.2	13120.6	13781.7	14166.6	14653.8	14958.1	15291.9	15487.5	15628.2
70°	6812.9	8164.4	9452.1	10499.3	11391.9	11840.7	12428.9	12844.4	13246.0	13256.2	13490.2
72.5°	3676.2	4806.6	5884.5	6954.8	7972.6	8569.8	9150.3	9655.4	10054.3	9884.3	10117.0
75°	2047.2	2576.6	3166.0	3809.2	4429.4	4770.8	5204.3	5206.8	5412.7	5089.2	5171.0
77.5°	1969.2	1944.9	1953.8	1971.7	2002.4	1937.2	1935.9	1896.3	1834.9	1723.7	1742.9
80°	2586.8	2277.3	2054.9	1705.8	1373.3	1120.1	1049.8	1066.4	1116.3	1216.0	1342.6
82.5°	3740.2	3479.3	3105.9	2556.1	2006.3	1547.2	1271.0	1127.8	1121.4	1221.1	1413.0
85°	2723.6	2880.9	2856.6	2384.8	1966.6	1597.1	1162.3	982.0	813.2	773.6	841.4
87.5°	401.5	332.5	374.7	313.3	227.6	176.5	154.7	124.0	118.9	121.5	133.0
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°	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2
2.5°	1874.6	1869.4	1864.3	1868.2	1864.3	1863.1	1859.2	1856.7	1855.4	1855.4	1855.4
5°	1932.1	1925.7	1921.9	1920.6	1916.8	1912.9	1911.6	1905.2	1904.0	1904.0	1900.1
7.5°	2010.1	2005.0	1998.6	1994.8	1992.2	1985.8	1979.4	1978.1	1976.9	1971.7	1967.9
10°	2100.9	2093.2	2085.5	2085.5	2080.4	2079.2	2072.8	2063.8	2062.5	2054.9	2052.3
12.5°	2186.6	2184.0	2175.1	2172.5	2168.7	2164.8	2161.0	2157.2	2153.3	2146.9	2149.5
15°	2288.9	2282.5	2274.8	2276.1	2274.8	2269.7	2264.6	2260.7	2258.2	2255.6	2255.6
17.5°	2411.6	2409.1	2407.8	2401.4	2396.3	2400.1	2400.1	2400.1	2393.7	2395.0	2396.3
20°	2567.6	2570.2	2567.6	2562.5	2561.2	2565.1	2556.1	2570.2	2562.5	2557.4	2559.9
22.5°	2740.2	2749.2	2739.0	2740.2	2746.6	2749.2	2740.2	2751.7	2747.9	2740.2	2746.6
25°	2928.2	2934.6	2929.5	2928.2	2932.0	2941.0	2939.7	2938.4	2947.4	2939.7	2943.5
27.5°	3121.3	3125.1	3127.7	3131.5	3134.1	3132.8	3137.9	3137.9	3143.0	3134.1	3137.9
30°	3313.1	3313.1	3318.2	3323.3	3323.3	3323.3	3333.5	3334.8	3327.2	3329.7	3320.8
32.5°	3517.7	3519.0	3524.1	3524.1	3534.3	3535.6	3547.1	3531.7	3547.1	3534.3	3536.9
35°	3758.1	3774.7	3777.3	3790.0	3800.3	3804.1	3804.1	3805.4	3819.4	3809.2	3813.1
37.5°	3898.7	3902.6	3912.8	3919.2	3919.2	3924.3	3928.1	3924.3	3928.1	3926.9	3930.7
40°	4065.0	4061.1	4072.6	4075.2	4070.1	4076.5	4075.2	4071.4	4081.6	4073.9	4079.0
42.5°	4267.0	4245.3	4244.0	4254.2	4244.0	4249.1	4247.8	4238.9	4251.6	4255.5	4251.6
45°	4483.1	4471.6	4448.6	4448.6	4438.3	4434.5	4435.8	4434.5	4435.8	4451.1	4456.2
47.5°	4834.7	4764.4	4724.8	4687.7	4657.0	4655.7	4641.6	4649.3	4659.5	4685.1	4708.1
50°	5424.2	5261.8	5162.1	5070.0	5003.5	4980.5	4953.6	4951.1	4960.0	4989.5	5029.1
52.5°	6475.3	6250.2	6038.0	5841.1	5669.7	5538.0	5472.8	5438.3	5425.5	5454.9	5493.3
55°	8398.4	7973.9	7674.7	7475.2	7049.4	6869.1	6637.7	6531.6	6428.0	6438.2	6503.4
57.5°	11684.7	11455.8	11205.2	10856.1	10595.2	10280.7	9702.7	9380.5	9394.5	9470.0	9234.7
60°	15991.3	15759.9	15656.3	15339.2	15157.6	15031.0	14724.1	14189.6	14000.4	13964.6	13532.4
62.5°	17626.7	17681.7	17763.6	17853.1	17848.0	17902.9	17634.4	17460.5	17241.9	16958.0	16530.9
65°	17199.7	17339.0	17505.3	17745.7	18019.3	18221.3	18391.4	18370.9	18166.4	17787.9	17336.5
67.5°	15753.5	15891.6	16013.0	16335.3	16784.1	17194.6	17557.7	17804.5	17667.7	17354.4	16827.6
70°	13579.7	13679.4	13756.2	14036.2	14528.5	15029.7	15504.1	15918.4	15876.2	15496.4	15075.8
72.5°	9839.5	10081.2	10211.6	10192.4	10496.8	11058.1	11124.6	11478.8	11577.3	11168.1	10498.0
75°	4793.8	4797.6	4646.8	4596.9	4612.2	4709.4	4524.0	4535.5	4471.6	4181.3	3942.2
77.5°	1675.1	1629.1	1519.1	1388.7	1202.0	1026.8	849.1	772.3	746.8	671.3	618.9
80°	1443.6	1511.4	1489.7	1382.3	1185.3	945.0	705.8	523.0	446.3	419.4	393.8
82.5°	1639.3	1900.1	2066.4	2057.4	1787.6	1342.6	837.5	480.8	342.7	300.5	276.2
85°	914.3	983.3	1002.5	913.0	758.3	517.9	289.0	203.3	172.6	157.3	141.9
87.5°	145.8	133.0	130.4	113.8	107.4	98.5	87.0	81.8	75.4	71.6	71.6
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: P159239

CATALOG NUMBER: VTS-E07-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2
2.5°	1854.1	1852.8	1849.0	1845.2	1842.6	1841.3	1840.0	1837.5	1836.2	1834.9	1832.4
5°	1897.6	1895.0	1888.6	1882.2	1879.7	1875.8	1872.0	1869.4	1866.9	1865.6	1860.5
7.5°	1965.3	1962.8	1955.1	1950.0	1948.7	1938.5	1937.2	1933.4	1927.0	1925.7	1918.0
10°	2047.2	2045.9	2039.5	2035.7	2033.1	2028.0	2020.3	2013.9	2007.5	2007.5	2002.4
12.5°	2141.8	2136.7	2140.5	2131.6	2129.0	2123.9	2120.1	2118.8	2111.1	2104.7	2103.4
15°	2253.1	2246.7	2246.7	2244.1	2241.5	2236.4	2235.2	2236.4	2228.8	2231.3	2223.6
17.5°	2391.2	2393.7	2392.4	2392.4	2386.0	2386.0	2375.8	2388.6	2379.6	2386.0	2383.5
20°	2563.8	2565.1	2562.5	2566.3	2568.9	2567.6	2566.3	2565.1	2568.9	2574.0	2570.2
22.5°	2747.9	2747.9	2746.6	2760.7	2745.3	2756.9	2760.7	2753.0	2773.5	2770.9	2774.8
25°	2947.4	2947.4	2957.6	2969.1	2971.7	2962.7	2967.8	2961.4	2974.2	2984.5	2987.0
27.5°	3132.8	3149.4	3157.1	3149.4	3155.8	3169.9	3168.6	3168.6	3177.5	3175.0	3199.3
30°	3323.3	3333.5	3343.8	3338.7	3341.2	3359.1	3360.4	3361.7	3373.2	3389.8	3407.7
32.5°	3540.7	3550.9	3545.8	3562.4	3561.2	3582.9	3586.7	3590.6	3626.4	3620.0	3657.1
35°	3807.9	3818.2	3813.1	3831.0	3828.4	3836.1	3850.1	3865.5	3871.9	3909.0	3938.4
37.5°	3933.3	3933.3	3944.8	3965.2	3972.9	3985.7	4007.4	4026.6	4058.6	4098.2	4144.2
40°	4084.1	4088.0	4103.3	4125.1	4139.1	4168.5	4208.2	4235.0	4283.6	4327.1	4380.8
42.5°	4267.0	4283.6	4301.5	4330.9	4361.6	4407.6	4463.9	4498.4	4562.4	4618.6	4685.1
45°	4480.5	4497.2	4539.4	4593.1	4637.8	4689.0	4735.0	4816.8	4874.4	4933.2	4990.7
47.5°	4738.8	4787.4	4821.9	4885.9	4940.9	5008.6	5066.2	5142.9	5205.5	5277.2	5325.7
50°	5070.0	5130.1	5174.9	5258.0	5311.7	5387.1	5460.0	5517.5	5581.5	5651.8	5691.5
52.5°	5545.7	5607.1	5663.3	5766.9	5833.4	5884.5	5981.7	6053.3	6112.1	6163.3	6206.8
55°	6576.3	6558.4	6714.4	6915.2	6938.2	7123.6	7158.1	7218.2	7326.9	7342.2	7463.7
57.5°	9521.1	9429.1	9655.4	9949.5	9898.3	9805.0	10195.0	10219.3	10164.3	10311.4	10145.1
60°	13596.3	13435.2	13496.6	13577.1	13460.8	13405.8	13425.0	13480.0	13426.2	13367.4	13206.3
62.5°	16317.4	16069.3	15891.6	15742.0	15552.7	15415.9	15262.4	15073.2	15022.1	14807.2	14626.9
65°	16897.9	16511.7	16230.4	15947.8	15687.0	15445.3	15213.9	15051.5	14836.6	14582.2	14394.2
67.5°	16259.8	15781.6	15369.9	14959.4	14664.0	14308.5	14134.6	13870.0	13605.3	13313.7	13141.1
70°	14405.7	13907.0	13389.2	12987.7	12586.2	12146.3	12060.6	11747.3	11595.2	11197.5	11128.4
72.5°	9943.1	9610.6	9379.2	8883.1	8638.8	8413.8	8342.2	8051.9	8082.6	7646.6	7805.1
75°	3535.6	3488.3	3420.5	3140.5	3090.6	3003.6	2980.6	2960.2	3167.3	2879.6	3088.0
77.5°	607.4	603.5	569.0	552.4	584.4	563.9	569.0	558.8	618.9	627.8	613.8
80°	377.2	367.0	355.5	347.8	349.1	341.4	342.7	345.2	349.1	347.8	351.6
82.5°	258.3	249.3	244.2	239.1	246.8	249.3	255.7	262.1	272.4	278.8	286.4
85°	140.7	129.1	129.1	127.9	138.1	145.8	156.0	168.8	186.7	202.0	218.7
87.5°	71.6	69.0	70.3	72.9	81.8	88.2	101.0	112.5	127.9	144.5	159.8
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: P159239

CATALOG NUMBER: VTS-E07-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2	1836.2
2.5°	1831.1	1831.1	1829.8	1829.8	1828.5	1827.2	1826.0	1822.1	1808.1	1795.3	1786.3
5°	1859.2	1855.4	1854.1	1850.3	1849.0	1846.4	1842.6	1838.8	1813.2	1790.2	1773.5
7.5°	1916.8	1911.6	1909.1	1905.2	1901.4	1896.3	1891.2	1887.3	1856.7	1829.8	1809.3
10°	1992.2	1989.6	1988.4	1983.2	1983.2	1975.6	1974.3	1965.3	1932.1	1907.8	1889.9
12.5°	2097.1	2091.9	2090.7	2084.3	2086.8	2084.3	2081.7	2076.6	2052.3	2024.2	1999.9
15°	2227.5	2227.5	2221.1	2216.0	2217.2	2214.7	2219.8	2213.4	2198.1	2172.5	2132.9
17.5°	2384.8	2382.2	2384.8	2380.9	2383.5	2386.0	2379.6	2380.9	2373.2	2341.3	2282.5
20°	2567.6	2563.8	2579.1	2572.7	2586.8	2574.0	2576.6	2580.4	2580.4	2538.2	2458.9
22.5°	2777.3	2774.8	2774.8	2787.5	2792.7	2793.9	2799.1	2802.9	2813.1	2759.4	2632.8
25°	2987.0	2996.0	2997.3	3013.9	3021.5	3021.5	3025.4	3039.4	3070.1	2996.0	2832.3
27.5°	3200.6	3222.3	3227.4	3238.9	3250.4	3261.9	3270.9	3281.1	3331.0	3250.4	3036.9
30°	3414.1	3438.4	3456.3	3469.1	3483.2	3511.3	3516.4	3536.9	3620.0	3521.5	3231.3
32.5°	3664.7	3699.3	3722.3	3738.9	3760.6	3787.5	3802.8	3828.4	3909.0	3747.8	3373.2
35°	3963.9	3984.4	4017.6	4045.8	4058.6	4104.6	4128.9	4135.3	4196.7	3943.5	3478.0
37.5°	4171.1	4205.6	4263.2	4302.8	4325.8	4351.4	4392.3	4419.2	4478.0	4121.2	3530.5
40°	4434.5	4486.9	4533.0	4591.8	4628.9	4648.0	4689.0	4710.7	4718.4	4273.4	3513.8
42.5°	4755.4	4802.8	4864.1	4911.5	4939.6	4961.3	4994.6	5003.5	4903.8	4345.0	3424.3
45°	5057.2	5130.1	5182.5	5217.1	5237.5	5249.0	5269.5	5270.8	5057.2	4309.2	3270.9
47.5°	5382.0	5434.4	5483.0	5507.3	5504.8	5507.3	5499.6	5494.5	5133.9	4185.2	3074.0
50°	5741.3	5775.8	5796.3	5807.8	5814.2	5789.9	5755.4	5732.4	5140.3	4008.7	2874.5
52.5°	6223.4	6266.9	6263.0	6261.7	6210.6	6187.6	6095.5	6048.2	5103.3	3801.5	2649.4
55°	7444.5	7402.3	7319.2	7360.1	7151.7	7043.0	6899.8	6766.8	5151.8	3604.6	2388.6
57.5°	10211.6	10228.2	9991.7	9865.1	9513.5	9073.6	8719.4	8375.4	5589.2	3484.4	2048.5
60°	13098.9	12881.5	12581.0	12123.3	11670.6	11017.2	10386.8	9790.9	6025.2	3359.1	1645.7
62.5°	14359.7	14050.3	13596.3	13004.3	12293.3	11494.1	10709.0	9982.7	5814.2	2953.8	1196.9
65°	14104.0	13630.8	13129.6	12436.5	11572.1	10696.2	9779.4	9037.8	4864.1	2203.2	737.8
67.5°	12766.4	12364.9	11835.6	11013.4	10088.9	9177.2	8337.1	7505.9	3613.6	1373.3	413.0
70°	10775.5	10383.0	9845.9	9004.5	8081.3	7209.3	6319.3	5641.6	2302.9	662.4	297.9
72.5°	7475.2	7156.8	6777.1	6177.4	5367.9	4575.2	3972.9	3452.5	1276.1	351.6	272.4
75°	3035.6	3036.9	2967.8	2714.7	2294.0	1978.1	1686.6	1430.9	533.2	299.2	268.5
77.5°	687.9	699.4	764.7	725.0	653.4	611.2	547.3	483.3	324.8	308.2	271.1
80°	347.8	349.1	345.2	346.5	342.7	344.0	338.9	335.0	304.3	317.1	271.1
82.5°	290.3	296.7	295.4	295.4	296.7	296.7	296.7	295.4	315.8	333.7	262.1
85°	230.2	243.0	253.2	263.4	274.9	282.6	286.4	290.3	306.9	328.6	237.8
87.5°	173.9	189.2	202.0	212.3	230.2	230.2	243.0	251.9	251.9	257.0	125.3
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: P159239

CATALOG NUMBER: VTS-E07-LED-E1-T2-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1836.2	1836.2	1836.2	1836.2	1836.2
2.5°	1773.5	1768.4	1763.3	1760.8	1755.6
5°	1760.8	1750.5	1744.1	1744.1	1739.0
7.5°	1797.8	1794.0	1785.1	1779.9	1785.1
10°	1877.1	1870.7	1860.5	1852.8	1856.7
12.5°	1983.2	1957.7	1937.2	1928.3	1921.9
15°	2093.2	2042.1	2001.2	1978.1	1971.7
17.5°	2210.9	2121.3	2060.0	2025.4	2019.1
20°	2331.1	2219.8	2132.9	2088.1	2086.8
22.5°	2475.5	2327.2	2216.0	2157.2	2153.3
25°	2627.7	2423.1	2276.1	2200.6	2193.0
27.5°	2759.4	2499.8	2313.2	2223.6	2216.0
30°	2869.4	2557.4	2343.8	2240.3	2230.0
32.5°	2948.7	2590.6	2356.6	2245.4	2233.9
35°	2974.2	2577.8	2320.8	2199.3	2186.6
37.5°	2939.7	2494.7	2221.1	2086.8	2071.5
40°	2836.1	2349.0	2058.7	1920.6	1901.4
42.5°	2677.6	2169.9	1863.1	1731.3	1707.1
45°	2481.9	1967.9	1668.7	1521.6	1510.1
47.5°	2277.3	1755.6	1450.0	1317.1	1303.0
50°	2056.1	1510.1	1236.5	1092.0	1092.0
52.5°	1792.7	1271.0	988.4	879.7	870.8
55°	1489.7	1001.2	787.7	704.6	693.1
57.5°	1163.6	769.8	629.1	580.5	567.7
60°	855.4	578.0	506.4	479.5	474.4
62.5°	580.5	439.9	407.9	396.4	395.1
65°	392.6	342.7	333.7	329.9	331.2
67.5°	301.8	285.1	281.3	280.0	280.0
70°	262.1	251.9	248.1	249.3	248.1
72.5°	246.8	232.7	234.0	236.6	235.3
75°	241.7	223.8	228.9	230.2	225.0
77.5°	237.8	213.5	226.3	230.2	216.1
80°	230.2	204.6	235.3	236.6	212.3
82.5°	211.0	181.6	235.3	217.4	191.8
85°	179.0	138.1	266.0	189.2	141.9
87.5°	113.8	81.8	180.3	129.1	85.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)