

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: STREETWORKS

Report Number: P159367

Luminaire Tested: **VST-F08-LED-E-U-T2-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159367
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: STREETWORKS
Catalog Number: VST-F08-LED-E-U-T2-7060
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (56) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20917.5 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 204.4
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: 28.75 FT

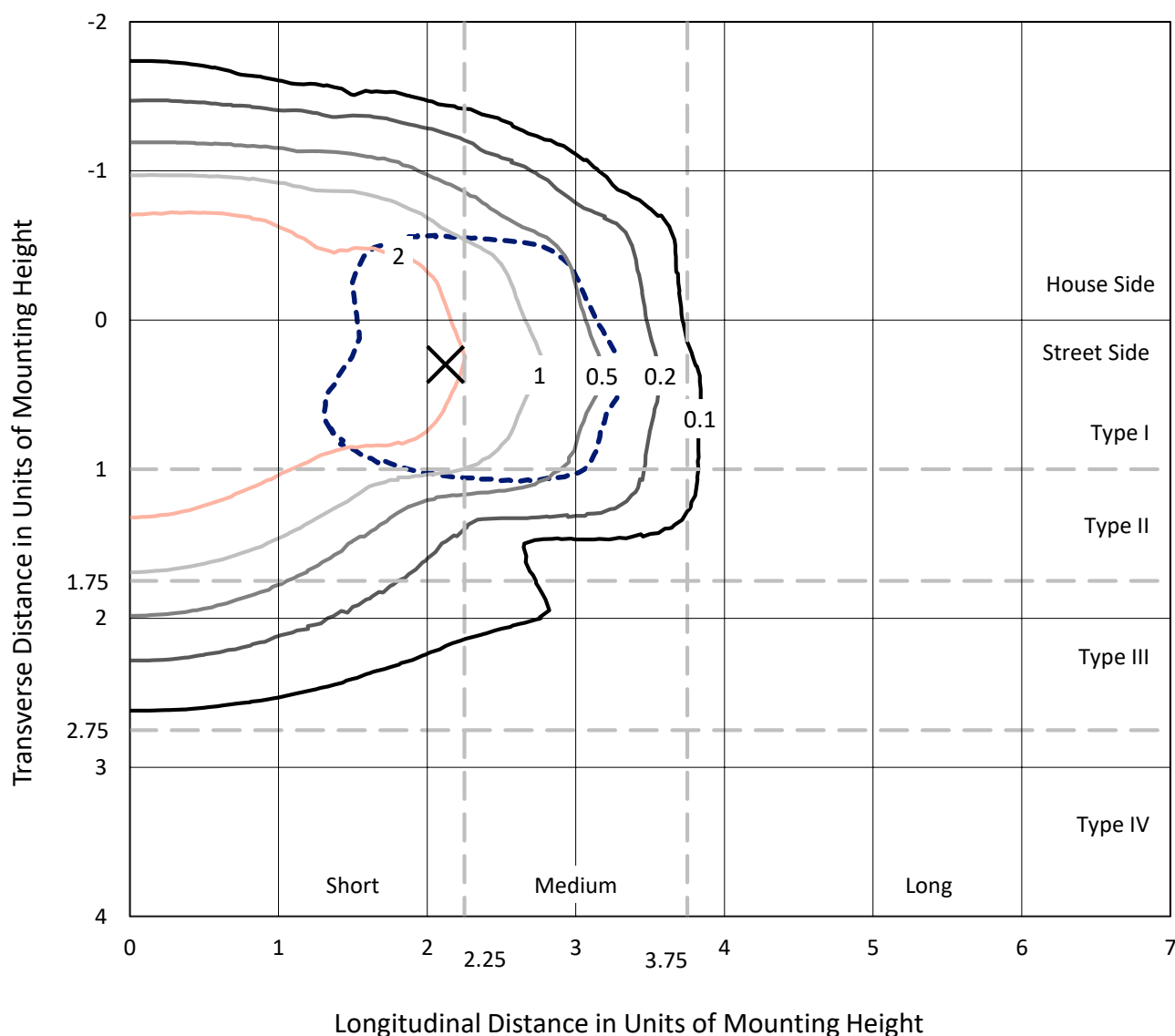


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

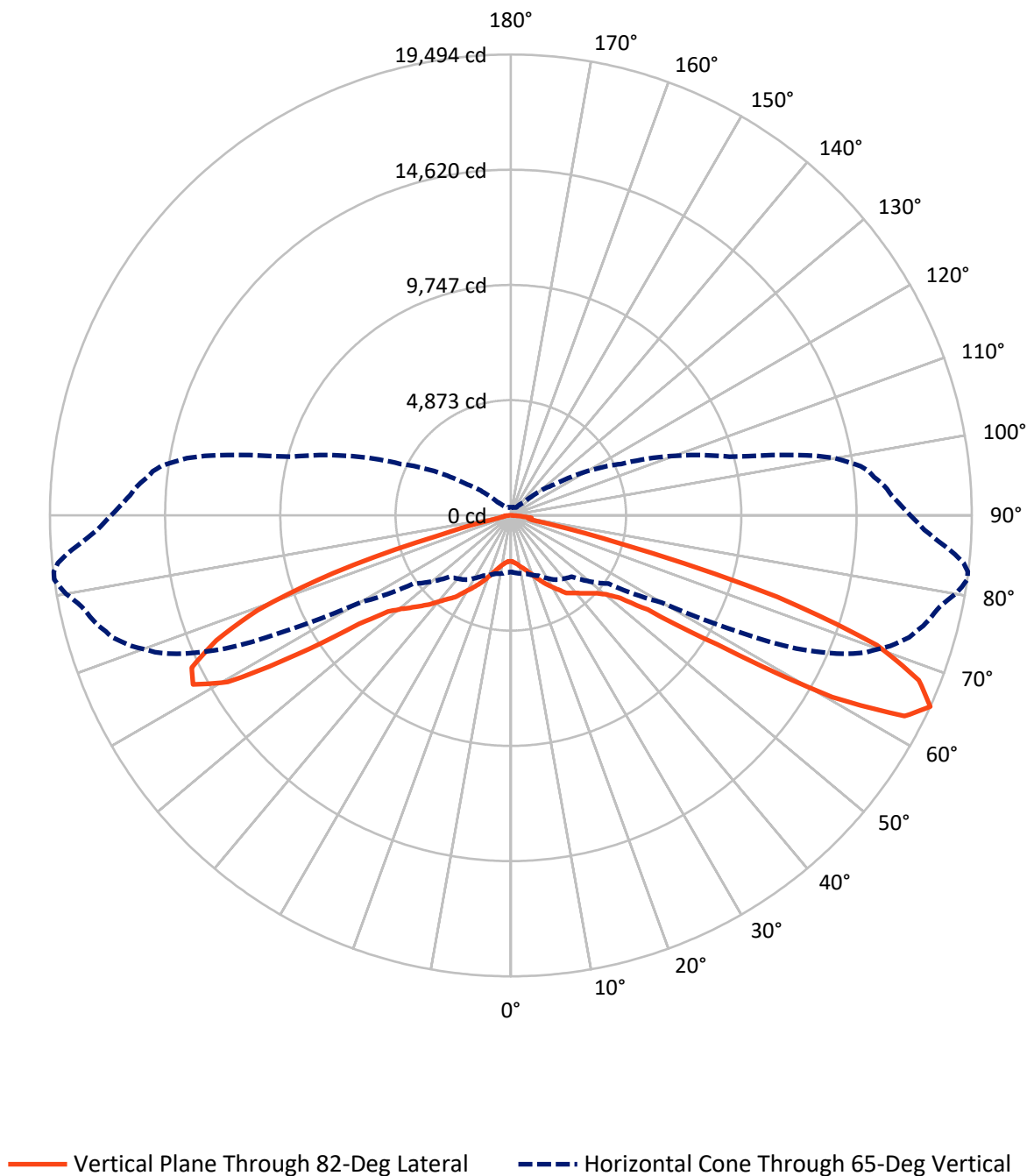


Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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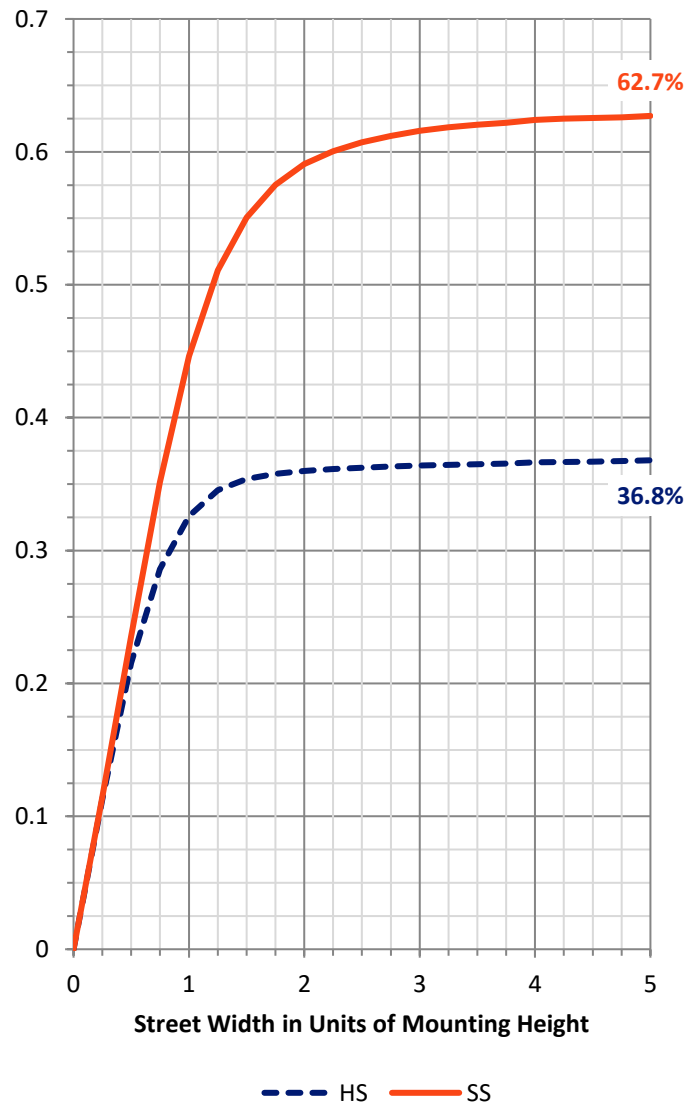
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7788.2	0.0	7788.2
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	13129.2	0.0	13129.2
	% Fixture	62.8	0.0	62.8
Total	Lumens	20917.5	0.0	20917.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.0	0.9
10°-20°	692.3	3.3
20°-30°	1371.8	6.6
30°-40°	2351.5	11.2
40°-50°	3532.6	16.9
50°-60°	4907.9	23.5
60°-70°	5599.2	26.8
70°-80°	1928.9	9.2
80°-90°	336.2	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°	20917.5	100.0
0°-180°	20917.5	100.0

Coefficient of Utilization



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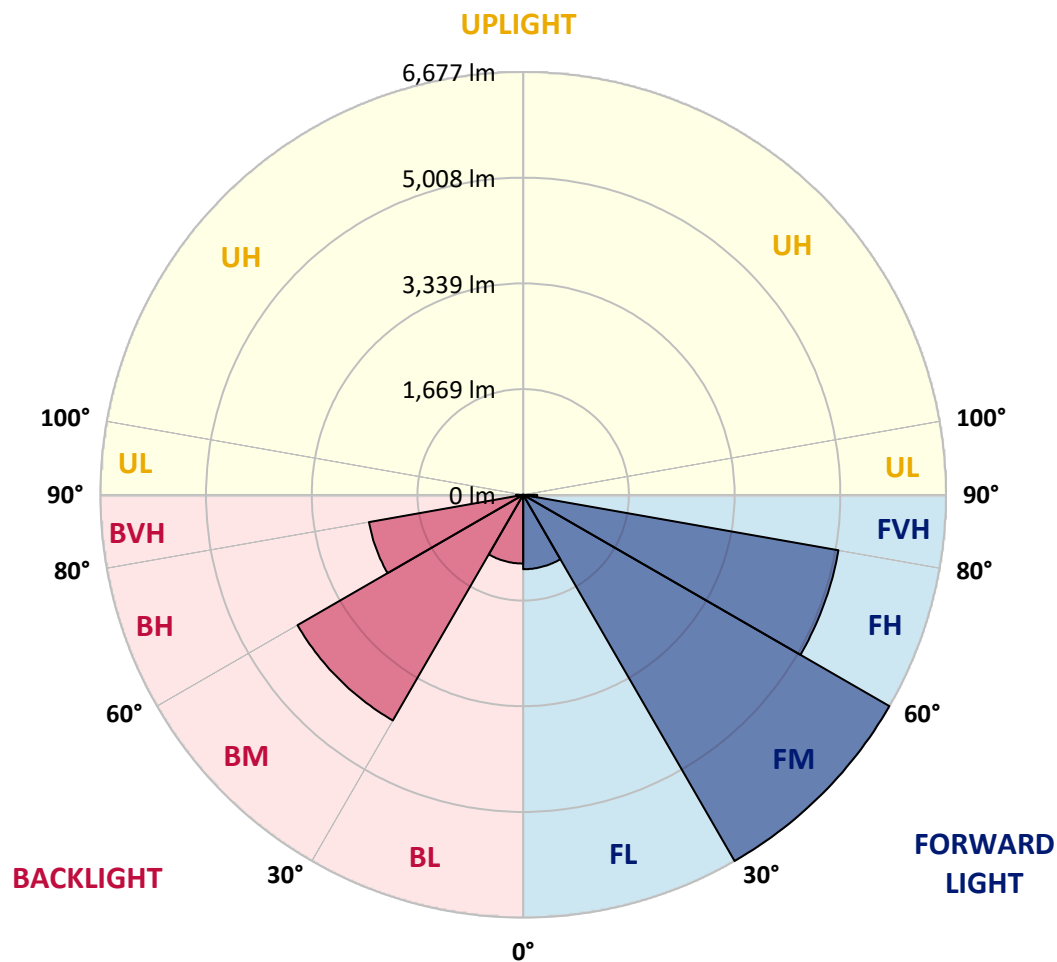
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1175.1	5.6			
FM	(30°-60°)	6677.3	31.9			
FH	(60°-80°)	5055.5	24.2			G3/7500
FVH	(80°-90°)	221.3	1.1			G2/225
BL	(0°-30°)	1086.0	5.2	B3/2500		
BM	(30°-60°)	4114.8	19.7	B3/5000		
BH	(60°-80°)	2472.5	11.8	B3/2500		G3/2500
BVH	(80°-90°)	114.9	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2
2.5°	2052.0	2053.3	2052.0	2047.9	2046.5	2034.3	2020.8	2014.0	2012.7	2007.2	2008.6
5°	2179.4	2175.3	2169.9	2163.1	2156.3	2136.0	2112.9	2100.7	2096.7	2092.6	2087.2
7.5°	2293.2	2295.9	2293.2	2283.7	2266.1	2240.3	2210.5	2191.6	2190.2	2186.1	2182.1
10°	2439.6	2446.4	2430.1	2413.8	2389.4	2350.1	2316.2	2291.8	2287.8	2282.4	2279.6
12.5°	2598.2	2599.5	2594.1	2557.5	2516.8	2462.6	2413.8	2389.4	2384.0	2377.2	2374.5
15°	2767.6	2768.9	2739.1	2703.9	2641.5	2576.5	2508.7	2481.6	2474.8	2476.2	2465.3
17.5°	2901.7	2904.5	2876.0	2831.3	2756.7	2679.5	2606.3	2584.6	2580.5	2581.9	2576.5
20°	2960.0	2964.1	2946.5	2912.6	2842.1	2774.3	2721.5	2707.9	2706.6	2703.9	2714.7
22.5°	2957.3	2958.7	2951.9	2938.3	2896.3	2857.0	2850.2	2858.4	2857.0	2859.7	2869.2
25°	2932.9	2937.0	2935.6	2941.0	2934.3	2949.2	2980.4	3008.8	3012.9	3018.3	3035.9
27.5°	2995.3	3003.4	2993.9	2999.3	3010.2	3060.3	3124.0	3167.4	3175.5	3190.4	3205.3
30°	3239.2	3228.4	3216.2	3202.6	3209.4	3240.6	3312.4	3350.4	3354.4	3365.3	3385.6
32.5°	3601.1	3588.9	3578.0	3556.4	3550.9	3537.4	3561.8	3571.3	3569.9	3580.8	3586.2
35°	4009.0	4010.4	4007.7	4023.9	4037.5	3968.4	3883.0	3860.0	3869.4	3857.2	3860.0
37.5°	4357.4	4361.4	4433.3	4522.7	4548.5	4505.1	4318.1	4225.9	4194.7	4190.7	4159.5
40°	4743.6	4743.6	4852.0	4961.8	5033.7	5087.9	4865.6	4703.0	4636.6	4617.6	4540.3
42.5°	5167.8	5146.2	5245.1	5365.7	5498.5	5621.9	5506.7	5323.7	5228.8	5194.9	5059.4
45°	5516.2	5502.6	5551.4	5663.9	5879.4	6120.6	6136.9	6043.4	5986.5	5916.0	5791.3
47.5°	5730.3	5723.5	5752.0	5874.0	6143.7	6534.0	6752.2	6799.6	6765.8	6711.5	6590.9
50°	5814.3	5804.8	5825.2	5960.7	6262.9	6778.0	7260.5	7484.1	7500.3	7512.5	7474.6
52.5°	5784.5	5772.3	5814.3	5928.2	6242.6	6863.3	7657.6	8087.2	8159.0	8220.0	8344.7
55°	5498.5	5479.6	5593.4	5807.6	6154.5	6832.2	7947.6	8667.3	8819.1	8981.7	9258.2
57.5°	5060.8	5044.5	5208.5	5502.6	5998.7	6746.8	8142.8	9400.5	9742.0	10034.8	10819.5
60°	4639.3	4625.7	4721.9	5006.6	5493.1	6330.7	7901.5	9647.2	10220.5	10852.1	12284.6
62.5°	3885.7	3849.1	3977.9	4217.8	4525.4	5237.0	6848.4	9098.3	9981.9	10910.3	12852.5
65°	2388.1	2440.9	2552.1	2817.7	3321.9	3660.7	5029.6	7360.7	8526.3	9690.5	12210.1
67.5°	1516.6	1531.5	1614.2	1798.5	2188.8	2529.0	3048.1	4618.9	5517.5	6662.8	9586.2
70°	1299.8	1309.2	1379.7	1572.2	1841.9	2260.7	2306.8	2412.5	2735.0	3464.2	5635.4
72.5°	1024.6	1040.9	1096.5	1263.2	1588.4	2038.4	2847.5	1906.9	1841.9	1902.9	2749.9
75°	609.9	628.9	674.9	765.8	1020.6	1558.6	2983.1	2218.7	2068.2	1950.3	1897.4
77.5°	322.6	309.0	340.2	393.0	524.5	830.8	2241.7	2718.8	2613.1	2472.1	2172.6
80°	159.9	165.3	174.8	185.7	234.5	337.5	1120.9	2812.3	3117.2	3252.8	2987.1
82.5°	63.7	71.8	101.6	108.4	128.8	143.7	360.5	1558.6	2232.2	3027.8	3953.5
85°	32.5	31.2	54.2	65.1	75.9	67.8	127.4	581.4	1046.3	1630.5	2641.5
87.5°	4.1	5.4	12.2	16.3	23.0	21.7	36.6	126.0	200.6	284.6	399.8
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2
2.5°	2001.8	2000.5	2000.5	1995.0	1995.0	1996.4	1992.3	1989.6	1989.6	1991.0	1985.5
5°	2083.1	2079.1	2079.1	2073.6	2066.9	2066.9	2061.4	2060.1	2057.4	2052.0	2047.9
7.5°	2178.0	2173.9	2167.2	2163.1	2160.4	2156.3	2149.5	2146.8	2141.4	2136.0	2130.6
10°	2275.6	2270.2	2267.5	2260.7	2258.0	2249.8	2245.8	2247.1	2236.3	2232.2	2233.6
12.5°	2373.2	2367.7	2358.3	2355.5	2354.2	2346.1	2342.0	2339.3	2331.2	2329.8	2325.7
15°	2459.9	2462.6	2458.6	2451.8	2446.4	2445.0	2440.9	2438.2	2432.8	2427.4	2422.0
17.5°	2572.4	2576.5	2571.0	2561.6	2561.6	2560.2	2561.6	2560.2	2550.7	2554.8	2552.1
20°	2716.1	2718.8	2705.2	2709.3	2712.0	2710.6	2714.7	2718.8	2716.1	2716.1	2720.1
22.5°	2881.4	2885.5	2877.3	2882.8	2890.9	2884.1	2896.3	2895.0	2897.7	2901.7	2903.1
25°	3050.8	3059.0	3052.2	3067.1	3061.7	3067.1	3082.0	3077.9	3084.7	3095.6	3099.6
27.5°	3220.2	3225.7	3227.0	3236.5	3246.0	3254.1	3273.1	3273.1	3278.5	3297.5	3297.5
30°	3397.8	3403.2	3408.6	3422.2	3427.6	3442.5	3461.5	3466.9	3464.2	3491.3	3499.4
32.5°	3602.4	3607.9	3617.4	3633.6	3640.4	3655.3	3655.3	3670.2	3681.1	3704.1	3705.4
35°	3874.9	3878.9	3874.9	3873.5	3883.0	3903.3	3904.7	3926.4	3935.9	3958.9	3965.7
37.5°	4147.3	4145.9	4128.3	4109.3	4110.7	4102.6	4097.1	4106.6	4110.7	4112.0	4127.0
40°	4514.6	4479.3	4452.2	4404.8	4383.1	4349.2	4328.9	4327.5	4305.9	4303.1	4307.2
42.5°	4995.7	4955.1	4891.4	4811.4	4750.4	4688.1	4642.0	4614.9	4567.4	4543.0	4522.7
45°	5668.0	5567.7	5491.8	5396.9	5279.0	5170.5	5056.7	5005.2	4914.4	4858.8	4796.5
47.5°	6489.3	6390.3	6273.8	6176.2	6021.7	5871.3	5715.4	5578.5	5419.9	5293.9	5190.9
50°	7381.1	7322.8	7238.8	7148.0	6948.7	6849.8	6653.3	6467.6	6296.8	6071.8	5875.3
52.5°	8295.9	8329.8	8310.8	8278.3	8152.3	8114.3	7944.9	7718.6	7546.4	7391.9	7050.4
55°	9423.5	9464.2	9545.5	9593.0	9578.1	9674.3	9632.3	9456.1	9387.0	9315.1	9072.5
57.5°	11148.9	11438.9	11749.3	12021.7	12085.4	12426.9	12353.8	12529.9	12654.6	12565.2	12486.6
60°	12988.0	13573.5	14100.8	14652.4	15101.0	15437.1	15881.7	16181.2	16369.6	16708.4	16735.5
62.5°	13729.4	14525.0	15194.5	15834.2	16366.9	16833.1	17234.3	17647.6	17986.5	18292.8	18513.7
65°	13322.8	14153.6	14965.5	15614.7	16127.0	16528.1	16964.6	17292.5	17625.9	17822.5	18054.2
67.5°	11075.7	12176.2	13175.1	13906.9	14607.6	15015.6	15532.0	15854.5	16208.3	16415.6	16564.7
70°	7221.2	8653.7	10018.5	11128.5	12074.6	12550.3	13173.7	13614.2	14039.8	14050.6	14298.6
72.5°	3896.5	5094.7	6237.2	7371.6	8450.4	9083.4	9698.7	10234.0	10656.9	10476.6	10723.3
75°	2169.9	2731.0	3355.8	4037.5	4694.8	5056.7	5516.2	5518.9	5737.1	5394.2	5480.9
77.5°	2087.2	2061.4	2070.9	2089.9	2122.4	2053.3	2052.0	2009.9	1944.9	1827.0	1847.3
80°	2741.8	2413.8	2178.0	1808.0	1455.6	1187.3	1112.7	1130.3	1183.2	1288.9	1423.1
82.5°	3964.3	3687.8	3292.1	2709.3	2126.5	1639.9	1347.2	1195.4	1188.6	1294.3	1497.6
85°	2886.8	3053.5	3027.8	2527.7	2084.5	1692.8	1232.0	1040.9	862.0	820.0	891.8
87.5°	425.6	352.4	397.1	332.1	241.2	187.0	164.0	131.5	126.0	128.8	141.0
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°	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2
2.5°	1986.9	1981.5	1976.1	1980.1	1976.1	1974.7	1970.6	1967.9	1966.6	1966.6	1966.6
5°	2047.9	2041.1	2037.0	2035.7	2031.6	2027.6	2026.2	2019.4	2018.1	2018.1	2014.0
7.5°	2130.6	2125.1	2118.4	2114.3	2111.6	2104.8	2098.0	2096.7	2095.3	2089.9	2085.8
10°	2226.8	2218.7	2210.5	2210.5	2205.1	2203.8	2197.0	2187.5	2186.1	2178.0	2175.3
12.5°	2317.6	2314.9	2305.4	2302.7	2298.6	2294.6	2290.5	2286.4	2282.4	2275.6	2278.3
15°	2426.0	2419.2	2411.1	2412.5	2411.1	2405.7	2400.3	2396.2	2393.5	2390.8	2390.8
17.5°	2556.1	2553.4	2552.1	2545.3	2539.9	2543.9	2543.9	2543.9	2537.2	2538.5	2539.9
20°	2721.5	2724.2	2721.5	2716.1	2714.7	2718.8	2709.3	2724.2	2716.1	2710.6	2713.4
22.5°	2904.5	2913.9	2903.1	2904.5	2911.2	2913.9	2904.5	2916.7	2912.6	2904.5	2911.2
25°	3103.7	3110.5	3105.0	3103.7	3107.8	3117.2	3115.9	3114.5	3124.0	3115.9	3119.9
27.5°	3308.3	3312.4	3315.1	3319.2	3321.9	3320.5	3326.0	3326.0	3331.4	3321.9	3326.0
30°	3511.6	3511.6	3517.1	3522.5	3522.5	3522.5	3533.3	3534.7	3526.5	3529.3	3519.8
32.5°	3728.5	3729.8	3735.3	3735.3	3746.1	3747.5	3759.7	3743.4	3759.7	3746.1	3748.8
35°	3983.3	4000.9	4003.6	4017.2	4028.0	4032.1	4032.1	4033.4	4048.3	4037.5	4041.6
37.5°	4132.4	4136.4	4147.3	4154.1	4154.1	4159.5	4163.5	4159.5	4163.5	4162.2	4166.3
40°	4308.6	4304.5	4316.7	4319.4	4314.0	4320.8	4319.4	4315.3	4326.2	4318.1	4323.5
42.5°	4522.7	4499.7	4498.3	4509.2	4498.3	4503.7	4502.4	4492.9	4506.4	4510.5	4506.4
45°	4751.8	4739.6	4715.2	4715.2	4704.3	4700.3	4701.6	4700.3	4701.6	4717.9	4723.3
47.5°	5124.5	5049.9	5007.9	4968.6	4936.1	4934.7	4919.8	4927.9	4938.8	4965.9	4990.3
50°	5749.3	5577.1	5471.4	5373.8	5303.4	5279.0	5250.5	5247.8	5257.3	5288.5	5330.5
52.5°	6863.3	6624.8	6399.8	6191.1	6009.5	5869.9	5800.8	5764.2	5750.6	5781.8	5822.5
55°	8901.7	8451.8	8134.6	7923.2	7471.9	7280.8	7035.5	6923.0	6813.2	6824.0	6893.2
57.5°	12384.9	12142.3	11876.7	11506.7	11230.2	10896.8	10284.2	9942.6	9957.5	10037.5	9788.1
60°	16949.6	16704.3	16594.6	16258.4	16066.0	15931.8	15606.5	15040.0	14839.4	14801.5	14343.4
62.5°	18683.1	18741.4	18828.1	18923.0	18917.6	18975.8	18691.2	18506.9	18275.1	17974.3	17521.6
65°	18230.4	18378.2	18554.3	18809.1	19099.2	19313.3	19493.6	19471.9	19255.0	18853.9	18375.4
67.5°	16697.6	16843.9	16972.7	17314.2	17789.9	18225.0	18609.9	18871.5	18726.5	18394.4	17836.0
70°	14393.5	14499.2	14580.5	14877.4	15399.2	15930.4	16433.3	16872.4	16827.7	16425.1	15979.2
72.5°	10429.2	10685.4	10823.6	10803.3	11125.8	11720.8	11791.3	12166.7	12271.1	11837.4	11127.2
75°	5081.1	5085.2	4925.2	4872.4	4888.6	4991.6	4795.1	4807.3	4739.6	4431.9	4178.5
77.5°	1775.5	1726.7	1610.1	1471.9	1274.0	1088.3	899.9	818.6	791.5	711.5	656.0
80°	1530.2	1602.0	1578.9	1465.1	1256.4	1001.6	748.1	554.3	473.0	444.5	417.4
82.5°	1737.5	2014.0	2190.2	2180.7	1894.7	1423.1	887.7	509.6	363.2	318.5	292.7
85°	969.1	1042.2	1062.6	967.7	803.7	548.9	306.3	215.5	183.0	166.7	150.4
87.5°	154.5	141.0	138.2	120.6	113.8	104.4	92.2	86.7	80.0	75.9	75.9
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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CATALOG NUMBER: VST-F08-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2
2.5°	1965.2	1963.9	1959.8	1955.7	1953.0	1951.7	1950.3	1947.6	1946.2	1944.9	1942.2
5°	2011.3	2008.6	2001.8	1995.0	1992.3	1988.3	1984.2	1981.5	1978.8	1977.4	1972.0
7.5°	2083.1	2080.4	2072.3	2066.9	2065.5	2054.7	2053.3	2049.2	2042.5	2041.1	2033.0
10°	2169.9	2168.5	2161.7	2157.7	2155.0	2149.5	2141.4	2134.6	2127.9	2127.9	2122.4
12.5°	2270.2	2264.7	2268.8	2259.3	2256.6	2251.2	2247.1	2245.8	2237.6	2230.9	2229.5
15°	2388.1	2381.3	2381.3	2378.6	2375.9	2370.5	2369.1	2370.5	2362.3	2365.0	2356.9
17.5°	2534.5	2537.2	2535.8	2535.8	2529.0	2529.0	2518.2	2531.7	2522.3	2529.0	2526.3
20°	2717.4	2718.8	2716.1	2720.1	2722.8	2721.5	2720.1	2718.8	2722.8	2728.3	2724.2
22.5°	2912.6	2912.6	2911.2	2926.1	2909.9	2922.1	2926.1	2918.0	2939.7	2937.0	2941.0
25°	3124.0	3124.0	3134.9	3147.1	3149.8	3140.3	3145.7	3138.9	3152.5	3163.3	3166.0
27.5°	3320.5	3338.2	3346.3	3338.2	3344.9	3359.8	3358.5	3358.5	3368.0	3365.3	3391.0
30°	3522.5	3533.3	3544.2	3538.7	3541.5	3560.4	3561.8	3563.1	3575.3	3593.0	3611.9
32.5°	3752.9	3763.7	3758.3	3775.9	3774.6	3797.6	3801.7	3805.7	3843.7	3836.9	3876.2
35°	4036.1	4047.0	4041.6	4060.5	4057.8	4066.0	4080.9	4097.1	4103.9	4143.2	4174.4
37.5°	4169.0	4169.0	4181.2	4202.9	4211.0	4224.5	4247.6	4267.9	4301.8	4343.8	4392.6
40°	4328.9	4333.0	4349.2	4372.3	4387.2	4418.3	4460.4	4488.8	4540.3	4586.4	4643.3
42.5°	4522.7	4540.3	4559.3	4590.5	4623.0	4671.8	4731.4	4768.0	4835.8	4895.4	4965.9
45°	4749.0	4766.7	4811.4	4868.3	4915.7	4970.0	5018.8	5105.5	5166.5	5228.8	5289.8
47.5°	5022.8	5074.3	5110.9	5178.7	5237.0	5308.8	5369.8	5451.1	5517.5	5593.4	5644.9
50°	5373.8	5437.5	5485.0	5573.1	5630.0	5710.0	5787.2	5848.2	5916.0	5990.5	6032.5
52.5°	5878.0	5943.1	6002.7	6112.5	6183.0	6237.2	6340.2	6416.1	6478.4	6532.6	6578.7
55°	6970.4	6951.4	7116.8	7329.6	7354.0	7550.5	7587.1	7650.8	7766.0	7782.3	7911.0
57.5°	10091.7	9994.1	10234.0	10545.8	10491.5	10392.6	10806.0	10831.7	10773.4	10929.3	10753.1
60°	14411.1	14240.4	14305.4	14390.8	14267.5	14209.2	14229.5	14287.8	14230.9	14168.5	13997.8
62.5°	17295.3	17032.3	16843.9	16685.4	16484.8	16339.7	16177.1	15976.5	15922.3	15694.6	15503.5
65°	17910.6	17501.3	17203.1	16903.6	16627.1	16370.9	16125.6	15953.5	15725.8	15456.1	15256.8
67.5°	17234.3	16727.4	16291.0	15855.9	15542.8	15166.0	14981.7	14701.2	14420.6	14111.6	13928.6
70°	15269.0	14740.5	14191.6	13766.0	13340.4	12874.2	12783.4	12451.3	12290.1	11868.5	11795.4
72.5°	10539.0	10186.6	9941.3	9415.4	9156.5	8918.0	8842.1	8534.5	8567.0	8104.8	8272.9
75°	3747.5	3697.3	3625.5	3328.7	3275.8	3183.6	3159.3	3137.6	3357.1	3052.2	3273.1
77.5°	643.8	639.7	603.1	585.5	619.4	597.7	603.1	592.3	656.0	665.5	650.6
80°	399.8	389.0	376.8	368.6	370.0	361.9	363.2	365.9	370.0	368.6	372.7
82.5°	273.8	264.3	258.9	253.4	261.6	264.3	271.1	277.8	288.7	295.5	303.6
85°	149.1	136.9	136.9	135.5	146.4	154.5	165.3	178.9	197.9	214.1	231.8
87.5°	75.9	73.2	74.5	77.3	86.7	93.5	107.1	119.3	135.5	153.2	169.4
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: VST-F08-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2	1946.2
2.5°	1940.8	1940.8	1939.5	1939.5	1938.1	1936.8	1935.4	1931.3	1916.4	1902.9	1893.4
5°	1970.6	1966.6	1965.2	1961.1	1959.8	1957.1	1953.0	1949.0	1921.8	1897.4	1879.8
7.5°	2031.6	2026.2	2023.5	2019.4	2015.4	2009.9	2004.5	2000.5	1967.9	1939.5	1917.8
10°	2111.6	2108.9	2107.5	2102.1	2102.1	2094.0	2092.6	2083.1	2047.9	2022.1	2003.2
12.5°	2222.7	2217.3	2215.9	2209.2	2211.9	2209.2	2206.5	2201.0	2175.3	2145.5	2119.7
15°	2361.0	2361.0	2354.2	2348.8	2350.1	2347.4	2352.8	2346.1	2329.8	2302.7	2260.7
17.5°	2527.7	2525.0	2527.7	2523.6	2526.3	2529.0	2522.3	2523.6	2515.5	2481.6	2419.2
20°	2721.5	2717.4	2733.7	2726.9	2741.8	2728.3	2731.0	2735.0	2735.0	2690.3	2606.3
22.5°	2943.8	2941.0	2941.0	2954.6	2960.0	2961.4	2966.8	2970.9	2981.7	2924.8	2790.6
25°	3166.0	3175.5	3176.9	3194.5	3202.6	3202.6	3206.7	3221.6	3254.1	3175.5	3002.0
27.5°	3392.4	3415.4	3420.8	3433.0	3445.2	3457.4	3466.9	3477.8	3530.6	3445.2	3218.9
30°	3618.7	3644.5	3663.4	3677.0	3691.9	3721.7	3727.1	3748.8	3836.9	3732.6	3424.9
32.5°	3884.3	3920.9	3945.3	3963.0	3986.0	4014.5	4030.7	4057.8	4143.2	3972.4	3575.3
35°	4201.5	4223.2	4258.4	4288.2	4301.8	4350.6	4376.3	4383.1	4448.2	4179.8	3686.5
37.5°	4421.1	4457.7	4518.6	4560.7	4585.1	4612.2	4655.5	4684.0	4746.3	4368.2	3742.0
40°	4700.3	4755.8	4804.6	4867.0	4906.3	4926.6	4970.0	4993.0	5001.1	4529.5	3724.4
42.5°	5040.4	5090.6	5155.6	5205.8	5235.6	5258.6	5293.9	5303.4	5197.7	4605.4	3629.5
45°	5360.3	5437.5	5493.1	5529.7	5551.4	5563.6	5585.3	5586.6	5360.3	4567.4	3466.9
47.5°	5704.5	5760.1	5811.6	5837.4	5834.7	5837.4	5829.2	5823.8	5441.6	4436.0	3258.2
50°	6085.4	6122.0	6143.7	6155.9	6162.6	6136.9	6100.3	6075.9	5448.4	4248.9	3046.8
52.5°	6596.3	6642.4	6638.4	6637.0	6582.8	6558.4	6460.8	6410.7	5409.1	4029.4	2808.2
55°	7890.7	7846.0	7757.9	7801.2	7580.3	7465.1	7313.3	7172.4	5460.6	3820.6	2531.7
57.5°	10823.6	10841.2	10590.5	10456.3	10083.6	9617.4	9241.9	8877.4	5924.1	3693.2	2171.2
60°	13883.9	13653.5	13335.0	12849.8	12370.0	11677.4	11009.3	10377.7	6386.3	3560.4	1744.3
62.5°	15220.3	14892.3	14411.1	13783.6	13030.1	12183.0	11350.8	10581.0	6162.6	3130.8	1268.6
65°	14949.2	14447.7	13916.4	13181.9	12265.7	11337.3	10365.5	9579.4	5155.6	2335.2	782.0
67.5°	13531.5	13106.0	12544.9	11673.4	10693.5	9727.1	8836.7	7955.7	3830.1	1455.6	437.8
70°	11421.3	11005.2	10436.0	9544.2	8565.6	7641.3	6698.0	5979.7	2440.9	702.1	315.8
72.5°	7923.2	7585.7	7183.2	6547.6	5689.6	4849.3	4211.0	3659.4	1352.6	372.7	288.7
75°	3217.5	3218.9	3145.7	2877.3	2431.4	2096.7	1787.7	1516.6	565.2	317.1	284.6
77.5°	729.2	741.4	810.5	768.5	692.6	647.8	580.1	512.3	344.3	326.6	287.3
80°	368.6	370.0	365.9	367.3	363.2	364.6	359.2	355.1	322.6	336.1	287.3
82.5°	307.7	314.4	313.1	313.1	314.4	314.4	314.4	313.1	334.8	353.7	277.8
85°	244.0	257.5	268.4	279.2	291.4	299.5	303.6	307.7	325.3	348.3	252.1
87.5°	184.3	200.6	214.1	225.0	244.0	244.0	257.5	267.0	267.0	272.4	132.8
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: P159367

CATALOG NUMBER: VST-F08-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1946.2	1946.2	1946.2	1946.2	1946.2
2.5°	1879.8	1874.4	1869.0	1866.3	1860.9
5°	1866.3	1855.4	1848.7	1848.7	1843.2
7.5°	1905.6	1901.5	1892.0	1886.6	1892.0
10°	1989.6	1982.8	1972.0	1963.9	1967.9
12.5°	2102.1	2075.0	2053.3	2043.8	2037.0
15°	2218.7	2164.4	2121.1	2096.7	2089.9
17.5°	2343.3	2248.5	2183.4	2146.8	2140.1
20°	2470.8	2352.8	2260.7	2213.2	2211.9
22.5°	2623.9	2466.7	2348.8	2286.4	2282.4
25°	2785.2	2568.3	2412.5	2332.5	2324.4
27.5°	2924.8	2649.7	2451.8	2356.9	2348.8
30°	3041.3	2710.6	2484.3	2374.5	2363.7
32.5°	3125.4	2745.9	2497.9	2379.9	2367.7
35°	3152.5	2732.3	2459.9	2331.2	2317.6
37.5°	3115.9	2644.2	2354.2	2211.9	2195.6
40°	3006.1	2489.7	2182.1	2035.7	2015.4
42.5°	2838.0	2300.0	1974.7	1835.1	1809.4
45°	2630.7	2085.8	1768.7	1612.8	1600.6
47.5°	2413.8	1860.9	1536.9	1396.0	1381.1
50°	2179.4	1600.6	1310.6	1157.4	1157.4
52.5°	1900.2	1347.2	1047.7	932.5	923.0
55°	1578.9	1061.2	834.9	746.8	734.6
57.5°	1233.3	815.9	666.8	615.3	601.8
60°	906.7	612.6	536.7	508.2	502.8
62.5°	615.3	466.2	432.3	420.1	418.8
65°	416.1	363.2	353.7	349.7	351.0
67.5°	319.9	302.2	298.2	296.8	296.8
70°	277.8	267.0	262.9	264.3	262.9
72.5°	261.6	246.7	248.0	250.7	249.4
75°	256.2	237.2	242.6	244.0	238.5
77.5°	252.1	226.3	239.9	244.0	229.0
80°	244.0	216.9	249.4	250.7	225.0
82.5°	223.6	192.5	249.4	230.4	203.3
85°	189.7	146.4	281.9	200.6	150.4
87.5°	120.6	86.7	191.1	136.9	90.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)