

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: P159364

Luminaire Tested: **VST-F08-LED-E-U-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159364
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-T2-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (56) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18618.9 lumens
Efficiency: N/A
Efficacy: 91.1 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



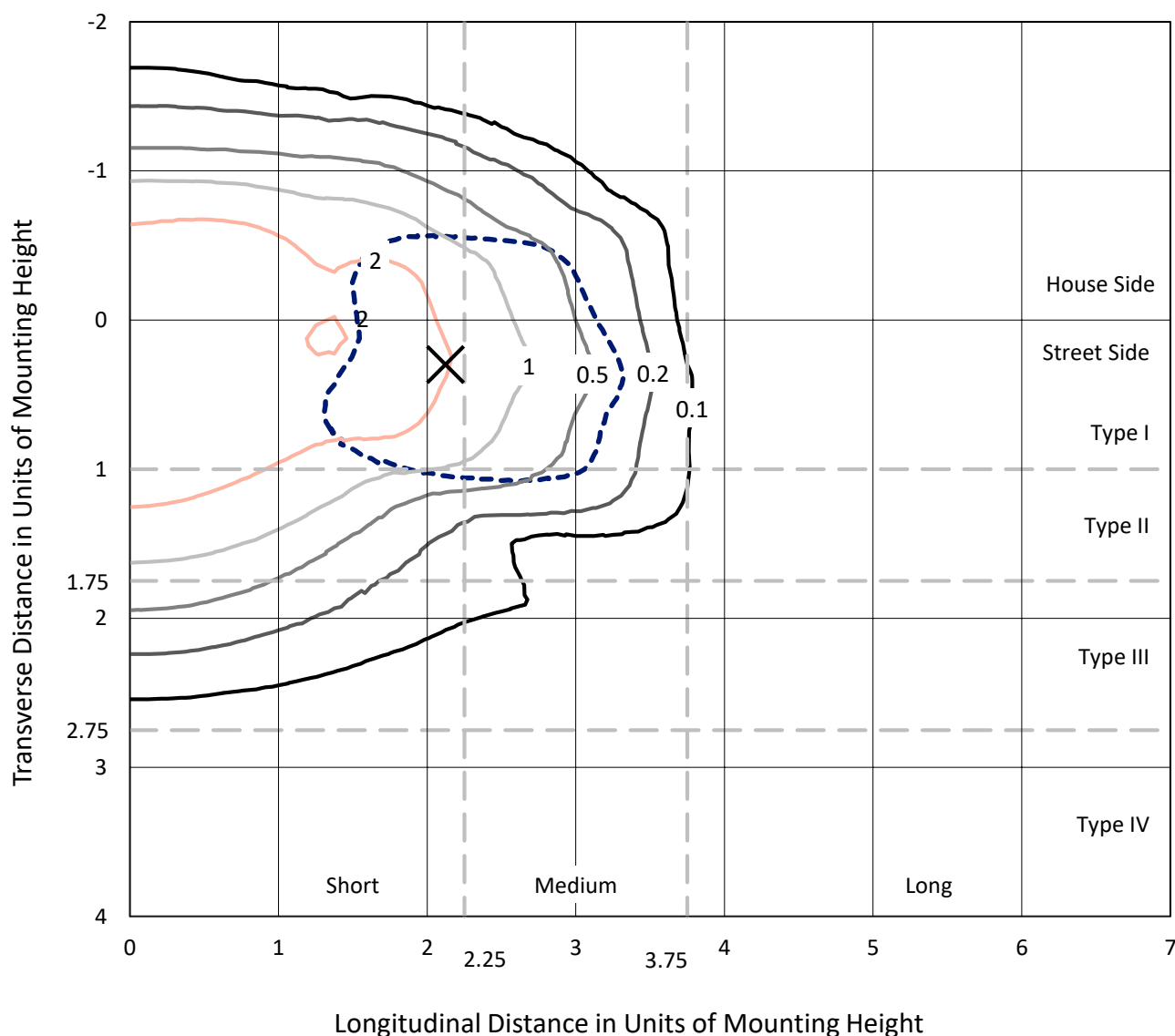
REPORT NUMBER: P159364

CATALOG NUMBER: VST-F08-LED-E-U-T2-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

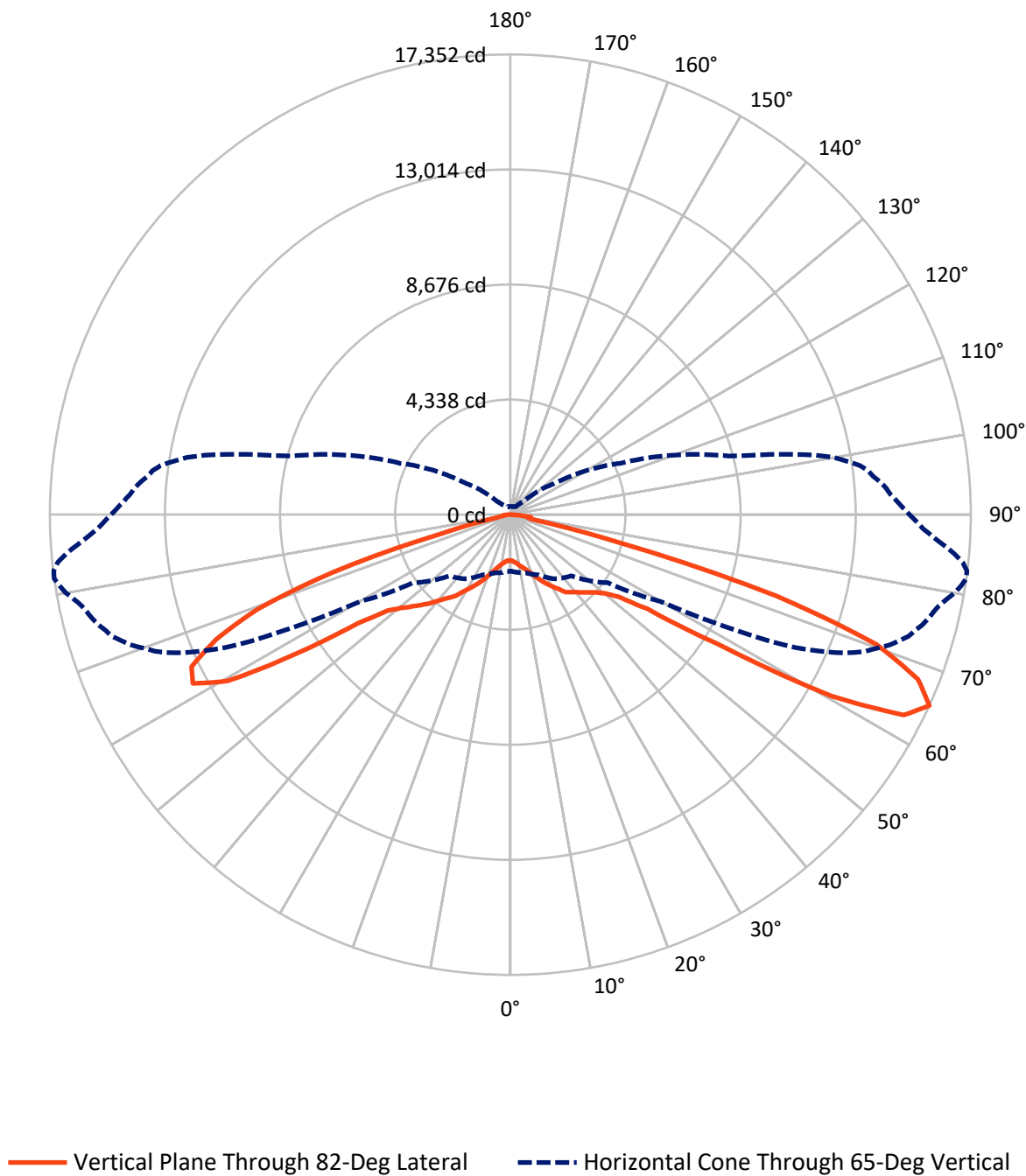


Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P159364

CATALOG NUMBER: VST-F08-LED-E-U-T2-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P159364

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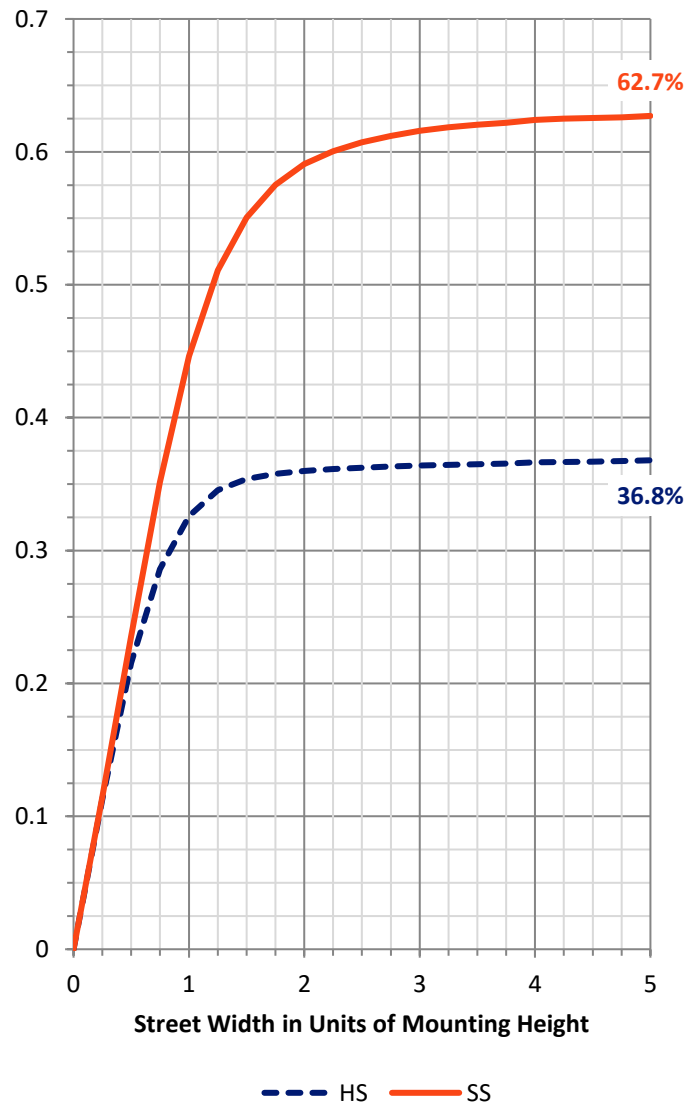
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6932.4	0.0	6932.4
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	11686.5	0.0	11686.5
	% Fixture	62.8	0.0	62.8
Total	Lumens	18618.9	0.0	18618.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.4	0.9
10°-20°	616.2	3.3
20°-30°	1221.0	6.6
30°-40°	2093.1	11.2
40°-50°	3144.4	16.9
50°-60°	4368.6	23.5
60°-70°	4983.9	26.8
70°-80°	1716.9	9.2
80°-90°	299.2	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°	18618.9	100.0
0°-180°	18618.9	100.0

Coefficient of Utilization



REPORT NUMBER: P159364

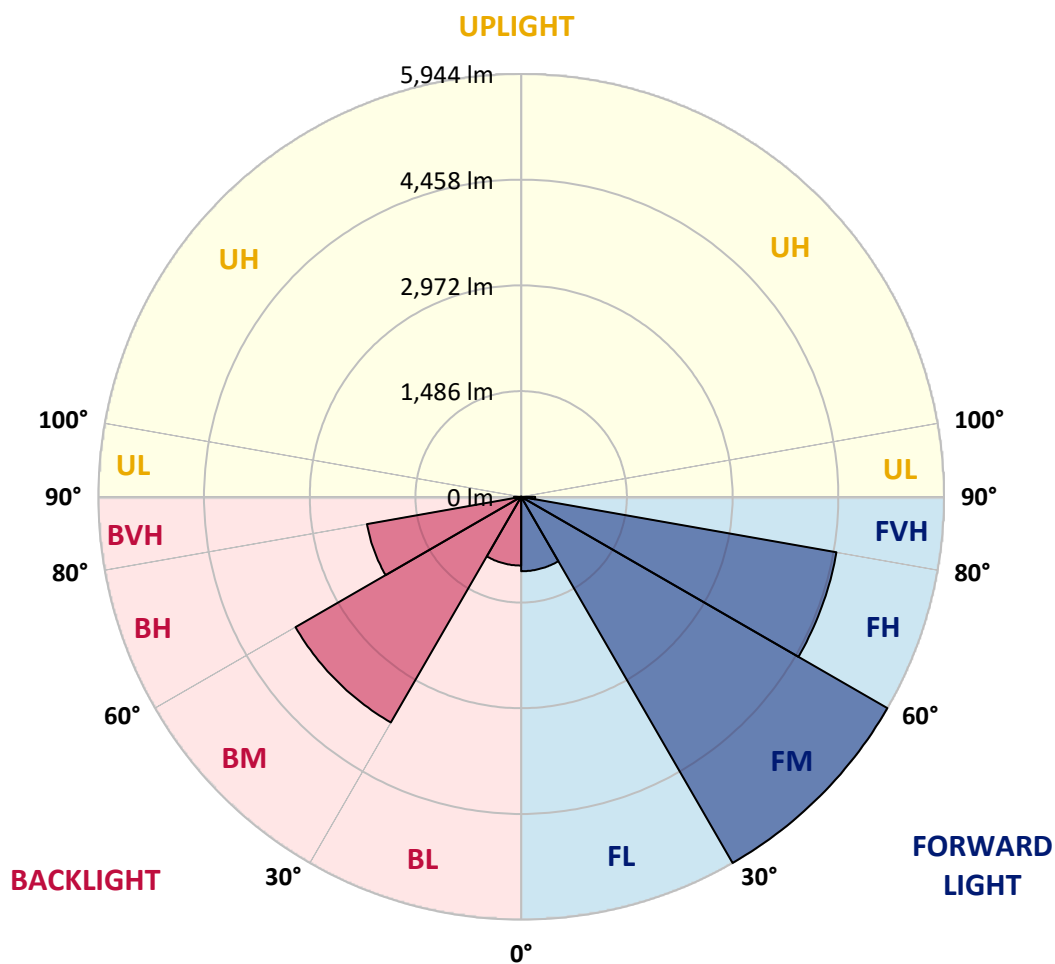
CATALOG NUMBER: VST-F08-LED-E-U-T2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1046.0	5.6			
FM	(30°-60°)	5943.5	31.9			
FH	(60°-80°)	4500.0	24.2			G2/5000
FVH	(80°-90°)	197.0	1.1			G2/225
BL	(0°-30°)	966.7	5.2	B2/1000		
BM	(30°-60°)	3662.6	19.7	B3/5000		
BH	(60°-80°)	2200.9	11.8	B3/2500		G3/2500
BVH	(80°-90°)	102.3	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





REPORT NUMBER: P159364

CATALOG NUMBER: VST-F08-LED-E-U-T2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4
2.5°	1826.5	1827.7	1826.5	1822.9	1821.6	1810.8	1798.7	1792.7	1791.5	1786.7	1787.9
5°	1939.9	1936.3	1931.4	1925.4	1919.4	1901.3	1880.8	1869.9	1866.3	1862.7	1857.8
7.5°	2041.2	2043.6	2041.2	2032.8	2017.1	1994.2	1967.6	1950.7	1949.5	1945.9	1942.3
10°	2171.5	2177.5	2163.1	2148.6	2126.9	2091.9	2061.7	2040.0	2036.4	2031.6	2029.1
12.5°	2312.6	2313.9	2309.0	2276.5	2240.3	2192.0	2148.6	2126.9	2122.0	2116.0	2113.6
15°	2463.4	2464.7	2438.1	2406.7	2351.3	2293.3	2233.0	2208.9	2202.9	2204.1	2194.4
17.5°	2582.9	2585.3	2560.0	2520.1	2453.8	2385.0	2319.9	2300.6	2297.0	2298.2	2293.3
20°	2634.8	2638.4	2622.7	2592.5	2529.8	2469.5	2422.4	2410.4	2409.2	2406.7	2416.4
22.5°	2632.3	2633.5	2627.5	2615.5	2578.1	2543.1	2537.0	2544.3	2543.1	2545.5	2553.9
25°	2610.6	2614.2	2613.0	2617.9	2611.8	2625.1	2652.9	2678.2	2681.8	2686.6	2702.3
27.5°	2666.1	2673.4	2664.9	2669.7	2679.4	2724.0	2780.7	2819.3	2826.6	2839.8	2853.1
30°	2883.3	2873.6	2862.8	2850.7	2856.7	2884.5	2948.4	2982.2	2985.8	2995.5	3013.6
32.5°	3205.4	3194.5	3184.9	3165.6	3160.7	3148.7	3170.4	3178.8	3177.6	3187.3	3192.1
35°	3568.5	3569.7	3567.3	3581.8	3593.8	3532.3	3456.3	3435.8	3444.2	3433.4	3435.8
37.5°	3878.5	3882.2	3946.1	4025.7	4048.6	4010.0	3843.6	3761.5	3733.8	3730.2	3702.4
40°	4222.4	4222.4	4318.9	4416.6	4480.5	4528.8	4330.9	4186.2	4127.1	4110.2	4041.4
42.5°	4600.0	4580.7	4668.7	4776.1	4894.3	5004.1	4901.6	4738.7	4654.3	4624.1	4503.5
45°	4910.0	4897.9	4941.4	5041.5	5233.3	5448.1	5462.5	5379.3	5328.6	5265.9	5154.9
47.5°	5100.6	5094.6	5119.9	5228.5	5468.6	5816.0	6010.2	6052.5	6022.3	5974.0	5866.7
50°	5175.4	5167.0	5185.1	5305.7	5574.7	6033.2	6462.6	6661.7	6676.2	6687.0	6653.2
52.5°	5148.9	5138.0	5175.4	5276.7	5556.6	6109.2	6816.1	7198.5	7262.5	7316.8	7427.7
55°	4894.3	4877.4	4978.8	5169.4	5478.2	6081.4	7074.3	7714.9	7850.0	7994.7	8240.8
57.5°	4504.7	4490.2	4636.2	4897.9	5339.5	6005.4	7248.0	8367.5	8671.5	8932.1	9630.6
60°	4129.5	4117.4	4203.1	4456.4	4889.5	5635.0	7033.3	8587.1	9097.4	9659.6	10934.7
62.5°	3458.7	3426.1	3540.8	3754.3	4028.1	4661.5	6095.9	8098.5	8885.1	9711.4	11440.2
65°	2125.7	2172.7	2271.6	2508.1	2956.9	3258.5	4476.9	6551.9	7589.4	8625.7	10868.4
67.5°	1349.9	1363.2	1436.8	1600.9	1948.3	2251.1	2713.2	4111.4	4911.2	5930.6	8532.8
70°	1156.9	1165.4	1228.1	1399.4	1639.5	2012.3	2053.3	2147.4	2434.5	3083.5	5016.2
72.5°	912.0	926.5	976.0	1124.4	1413.9	1814.4	2534.6	1697.4	1639.5	1693.8	2447.8
75°	542.9	559.8	600.8	681.6	908.4	1387.3	2655.3	1974.9	1841.0	1736.0	1688.9
77.5°	287.1	275.1	302.8	349.9	466.9	739.5	1995.4	2420.0	2325.9	2200.5	1933.8
80°	142.4	147.2	155.6	165.3	208.7	300.4	997.7	2503.3	2774.7	2895.3	2658.9
82.5°	56.7	63.9	90.5	96.5	114.6	127.9	320.9	1387.3	1986.9	2695.1	3519.0
85°	29.0	27.7	48.3	57.9	67.6	60.3	113.4	517.5	931.3	1451.3	2351.3
87.5°	3.6	4.8	10.9	14.5	20.5	19.3	32.6	112.2	178.5	253.3	355.9
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: P159364

CATALOG NUMBER: VST-F08-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4
2.5°	1781.8	1780.6	1780.6	1775.8	1775.8	1777.0	1773.4	1771.0	1771.0	1772.2	1767.4
5°	1854.2	1850.6	1850.6	1845.8	1839.7	1839.7	1834.9	1833.7	1831.3	1826.5	1822.9
7.5°	1938.7	1935.0	1929.0	1925.4	1923.0	1919.4	1913.3	1910.9	1906.1	1901.3	1896.4
10°	2025.5	2020.7	2018.3	2012.3	2009.8	2002.6	1999.0	2000.2	1990.5	1986.9	1988.1
12.5°	2112.4	2107.6	2099.1	2096.7	2095.5	2088.3	2084.6	2082.2	2075.0	2073.8	2070.2
15°	2189.6	2192.0	2188.4	2182.4	2177.5	2176.3	2172.7	2170.3	2165.5	2160.6	2155.8
17.5°	2289.7	2293.3	2288.5	2280.1	2280.1	2278.9	2280.1	2278.9	2270.4	2274.0	2271.6
20°	2417.6	2420.0	2408.0	2411.6	2414.0	2412.8	2416.4	2420.0	2417.6	2417.6	2421.2
22.5°	2564.8	2568.4	2561.2	2566.0	2573.2	2567.2	2578.1	2576.8	2579.3	2582.9	2584.1
25°	2715.6	2722.8	2716.8	2730.1	2725.2	2730.1	2743.3	2739.7	2745.7	2755.4	2759.0
27.5°	2866.4	2871.2	2872.4	2880.9	2889.3	2896.5	2913.4	2913.4	2918.3	2935.1	2935.1
30°	3024.4	3029.2	3034.1	3046.1	3051.0	3064.2	3081.1	3085.9	3083.5	3107.7	3114.9
32.5°	3206.6	3211.4	3219.9	3234.3	3240.4	3253.6	3253.6	3266.9	3276.6	3297.1	3298.3
35°	3449.1	3452.7	3449.1	3447.9	3456.3	3474.4	3475.6	3494.9	3503.4	3523.9	3529.9
37.5°	3691.6	3690.3	3674.7	3657.8	3659.0	3651.7	3646.9	3655.4	3659.0	3660.2	3673.5
40°	4018.5	3987.1	3963.0	3920.8	3901.5	3871.3	3853.2	3852.0	3832.7	3830.3	3833.9
42.5°	4446.8	4410.6	4353.9	4282.7	4228.4	4172.9	4131.9	4107.8	4065.5	4043.8	4025.7
45°	5045.1	4955.8	4888.3	4803.8	4698.9	4602.4	4501.0	4455.2	4374.4	4324.9	4269.4
47.5°	5776.2	5688.1	5584.4	5497.5	5360.0	5226.1	5087.3	4965.5	4824.4	4712.2	4620.5
50°	6570.0	6518.1	6443.3	6362.5	6185.2	6097.1	5922.2	5756.9	5604.9	5404.6	5229.7
52.5°	7384.3	7414.5	7397.6	7368.6	7256.4	7222.7	7071.9	6870.4	6717.2	6579.6	6275.6
55°	8388.0	8424.2	8496.6	8538.8	8525.6	8611.2	8573.8	8417.0	8355.5	8291.5	8075.6
57.5°	9923.8	10181.9	10458.2	10700.7	10757.4	11061.4	10996.2	11153.1	11264.1	11184.4	11114.5
60°	11560.8	12082.0	12551.3	13042.3	13441.6	13740.8	14136.5	14403.1	14570.8	14872.4	14896.5
62.5°	12220.7	12928.9	13524.8	14094.2	14568.4	14983.4	15340.4	15708.4	16010.0	16282.6	16479.3
65°	11858.8	12598.3	13321.0	13898.8	14354.8	14711.9	15100.4	15392.3	15689.1	15864.0	16070.3
67.5°	9858.6	10838.2	11727.3	12378.8	13002.5	13365.6	13825.2	14112.3	14427.2	14611.8	14744.5
70°	6427.6	7702.8	8917.6	9905.7	10747.7	11171.2	11726.1	12118.2	12497.0	12506.6	12727.4
72.5°	3468.4	4534.8	5551.8	6561.6	7521.8	8085.2	8632.9	9109.4	9485.8	9325.4	9545.0
75°	1931.4	2430.9	2987.0	3593.8	4178.9	4501.0	4910.0	4912.4	5106.6	4801.4	4878.6
77.5°	1857.8	1834.9	1843.4	1860.3	1889.2	1827.7	1826.5	1789.1	1731.2	1626.2	1644.3
80°	2440.5	2148.6	1938.7	1609.3	1295.7	1056.8	990.4	1006.1	1053.2	1147.3	1266.7
82.5°	3528.7	3282.6	2930.3	2411.6	1892.8	1459.7	1199.2	1064.0	1058.0	1152.1	1333.1
85°	2569.6	2718.0	2695.1	2249.9	1855.4	1506.8	1096.6	926.5	767.3	729.9	793.8
87.5°	378.8	313.7	353.5	295.6	214.7	166.5	146.0	117.0	112.2	114.6	125.5
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: P159364

CATALOG NUMBER: VST-F08-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4
2.5°	1768.6	1763.7	1758.9	1762.5	1758.9	1757.7	1754.1	1751.7	1750.5	1750.5	1750.5
5°	1822.9	1816.8	1813.2	1812.0	1808.4	1804.8	1803.6	1797.5	1796.3	1796.3	1792.7
7.5°	1896.4	1891.6	1885.6	1882.0	1879.6	1873.5	1867.5	1866.3	1865.1	1860.3	1856.6
10°	1982.1	1974.9	1967.6	1967.6	1962.8	1961.6	1955.6	1947.1	1945.9	1938.7	1936.3
12.5°	2062.9	2060.5	2052.1	2049.7	2046.0	2042.4	2038.8	2035.2	2031.6	2025.5	2027.9
15°	2159.4	2153.4	2146.2	2147.4	2146.2	2141.3	2136.5	2132.9	2130.5	2128.1	2128.1
17.5°	2275.3	2272.8	2271.6	2265.6	2260.8	2264.4	2264.4	2264.4	2258.4	2259.6	2260.8
20°	2422.4	2424.8	2422.4	2417.6	2416.4	2420.0	2411.6	2424.8	2417.6	2412.8	2415.2
22.5°	2585.3	2593.7	2584.1	2585.3	2591.3	2593.7	2585.3	2596.2	2592.5	2585.3	2591.3
25°	2762.6	2768.7	2763.8	2762.6	2766.3	2774.7	2773.5	2772.3	2780.7	2773.5	2777.1
27.5°	2944.8	2948.4	2950.8	2954.4	2956.9	2955.7	2960.5	2960.5	2965.3	2956.9	2960.5
30°	3125.8	3125.8	3130.6	3135.4	3135.4	3135.4	3145.1	3146.3	3139.0	3141.4	3133.0
32.5°	3318.8	3320.0	3324.8	3324.8	3334.5	3335.7	3346.5	3332.0	3346.5	3334.5	3336.9
35°	3545.6	3561.3	3563.7	3575.7	3585.4	3589.0	3589.0	3590.2	3603.5	3593.8	3597.5
37.5°	3678.3	3681.9	3691.6	3697.6	3697.6	3702.4	3706.0	3702.4	3706.0	3704.8	3708.4
40°	3835.1	3831.5	3842.4	3844.8	3839.9	3846.0	3844.8	3841.1	3850.8	3843.6	3848.4
42.5°	4025.7	4005.2	4004.0	4013.7	4004.0	4008.8	4007.6	3999.2	4011.2	4014.9	4011.2
45°	4229.6	4218.7	4197.0	4197.0	4187.4	4183.8	4185.0	4183.8	4185.0	4199.4	4204.3
47.5°	4561.4	4495.0	4457.6	4422.6	4393.7	4392.5	4379.2	4386.4	4396.1	4420.2	4441.9
50°	5117.5	4964.3	4870.2	4783.3	4720.6	4698.9	4673.6	4671.1	4679.6	4707.3	4744.7
52.5°	6109.2	5896.8	5696.6	5510.8	5349.1	5224.9	5163.3	5130.8	5118.7	5146.5	5182.6
55°	7923.6	7523.0	7240.8	7052.6	6650.8	6480.7	6262.4	6162.2	6064.5	6074.2	6135.7
57.5°	11024.0	10808.0	10571.6	10242.2	9996.1	9699.4	9154.1	8850.1	8863.3	8934.5	8712.5
60°	15087.1	14868.8	14771.0	14471.8	14300.5	14181.1	13891.6	13387.3	13208.8	13175.0	12767.2
62.5°	16630.1	16682.0	16759.2	16843.6	16838.8	16890.7	16637.3	16473.2	16267.0	15999.1	15596.2
65°	16227.1	16358.6	16515.5	16742.3	17000.4	17191.1	17351.5	17332.2	17139.2	16782.1	16356.2
67.5°	14862.7	14993.0	15107.6	15411.6	15835.1	16222.3	16564.9	16797.8	16668.7	16373.1	15876.1
70°	12811.9	12906.0	12978.3	13242.5	13707.0	14179.9	14627.5	15018.3	14978.5	14620.2	14223.3
72.5°	9283.2	9511.2	9634.2	9616.1	9903.3	10432.9	10495.6	10829.8	10922.7	10536.6	9904.5
75°	4522.8	4526.4	4384.0	4337.0	4351.4	4443.1	4268.2	4279.1	4218.7	3944.9	3719.3
77.5°	1580.4	1536.9	1433.2	1310.1	1134.0	968.7	801.0	728.7	704.5	633.4	583.9
80°	1362.0	1426.0	1405.4	1304.1	1118.3	891.5	665.9	493.4	421.0	395.7	371.6
82.5°	1546.6	1792.7	1949.5	1941.1	1686.5	1266.7	790.2	453.6	323.3	283.5	260.6
85°	862.6	927.7	945.8	861.4	715.4	488.6	272.6	191.8	162.9	148.4	133.9
87.5°	137.5	125.5	123.1	107.4	101.3	92.9	82.0	77.2	71.2	67.6	67.6
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: P159364

CATALOG NUMBER: VST-F08-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4
2.5°	1749.3	1748.1	1744.4	1740.8	1738.4	1737.2	1736.0	1733.6	1732.4	1731.2	1728.8
5°	1790.3	1787.9	1781.8	1775.8	1773.4	1769.8	1766.2	1763.7	1761.3	1760.1	1755.3
7.5°	1854.2	1851.8	1844.6	1839.7	1838.5	1828.9	1827.7	1824.1	1818.0	1816.8	1809.6
10°	1931.4	1930.2	1924.2	1920.6	1918.2	1913.3	1906.1	1900.1	1894.0	1894.0	1889.2
12.5°	2020.7	2015.9	2019.5	2011.1	2008.6	2003.8	2000.2	1999.0	1991.7	1985.7	1984.5
15°	2125.7	2119.6	2119.6	2117.2	2114.8	2110.0	2108.8	2110.0	2102.7	2105.1	2097.9
17.5°	2255.9	2258.4	2257.2	2257.2	2251.1	2251.1	2241.5	2253.5	2245.1	2251.1	2248.7
20°	2418.8	2420.0	2417.6	2421.2	2423.6	2422.4	2421.2	2420.0	2423.6	2428.5	2424.8
22.5°	2592.5	2592.5	2591.3	2604.6	2590.1	2601.0	2604.6	2597.4	2616.7	2614.2	2617.9
25°	2780.7	2780.7	2790.4	2801.2	2803.6	2795.2	2800.0	2794.0	2806.1	2815.7	2818.1
27.5°	2955.7	2971.3	2978.6	2971.3	2977.4	2990.6	2989.4	2989.4	2997.9	2995.5	3018.4
30°	3135.4	3145.1	3154.7	3149.9	3152.3	3169.2	3170.4	3171.6	3182.5	3198.1	3215.0
32.5°	3340.5	3350.1	3345.3	3361.0	3359.8	3380.3	3383.9	3387.5	3421.3	3415.3	3450.3
35°	3592.6	3602.3	3597.5	3614.3	3611.9	3619.2	3632.4	3646.9	3652.9	3687.9	3715.7
37.5°	3710.9	3710.9	3721.7	3741.0	3748.3	3760.3	3780.8	3798.9	3829.1	3866.5	3909.9
40°	3853.2	3856.8	3871.3	3891.8	3905.1	3932.8	3970.2	3995.6	4041.4	4082.4	4133.1
42.5°	4025.7	4041.4	4058.3	4086.0	4115.0	4158.4	4211.5	4244.1	4304.4	4357.5	4420.2
45°	4227.2	4242.9	4282.7	4333.4	4375.6	4423.8	4467.3	4544.5	4598.8	4654.3	4708.5
47.5°	4470.9	4516.7	4549.3	4609.6	4661.5	4725.4	4779.7	4852.1	4911.2	4978.8	5024.6
50°	4783.3	4840.0	4882.3	4960.7	5011.3	5082.5	5151.3	5205.6	5265.9	5332.2	5369.6
52.5°	5232.1	5290.0	5343.1	5440.8	5503.5	5551.8	5643.5	5711.0	5766.5	5814.8	5855.8
55°	6204.5	6187.6	6334.8	6524.2	6545.9	6720.8	6753.4	6810.1	6912.6	6927.1	7041.7
57.5°	8982.8	8895.9	9109.4	9386.9	9338.7	9250.6	9618.5	9641.5	9589.6	9728.3	9571.5
60°	12827.5	12675.5	12733.4	12809.4	12699.7	12647.8	12665.9	12717.8	12667.1	12611.6	12459.6
62.5°	15394.7	15160.7	14993.0	14851.9	14673.3	14544.2	14399.5	14220.9	14172.7	13970.0	13799.9
65°	15942.4	15578.1	15312.7	15046.1	14800.0	14572.0	14353.6	14200.4	13997.7	13757.7	13580.3
67.5°	15340.4	14889.3	14500.8	14113.6	13834.9	13499.5	13335.4	13085.7	12836.0	12560.9	12398.1
70°	13591.2	13120.7	12632.1	12253.3	11874.5	11459.5	11378.7	11083.1	10939.5	10564.4	10499.2
72.5°	9380.9	9067.2	8848.9	8380.8	8150.4	7938.0	7870.5	7596.6	7625.6	7214.2	7363.8
75°	3335.7	3291.0	3227.1	2962.9	2915.8	2833.8	2812.1	2792.8	2988.2	2716.8	2913.4
77.5°	573.0	569.4	536.8	521.2	551.3	532.0	536.8	527.2	583.9	592.3	579.1
80°	355.9	346.2	335.4	328.1	329.3	322.1	323.3	325.7	329.3	328.1	331.8
82.5°	243.7	235.2	230.4	225.6	232.8	235.2	241.3	247.3	257.0	263.0	270.2
85°	132.7	121.8	121.8	120.6	130.3	137.5	147.2	159.2	176.1	190.6	206.3
87.5°	67.6	65.1	66.4	68.8	77.2	83.2	95.3	106.2	120.6	136.3	150.8
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: P159364

CATALOG NUMBER: VST-F08-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4
2.5°	1727.5	1727.5	1726.3	1726.3	1725.1	1723.9	1722.7	1719.1	1705.8	1693.8	1685.3
5°	1754.1	1750.5	1749.3	1745.6	1744.4	1742.0	1738.4	1734.8	1710.7	1688.9	1673.3
7.5°	1808.4	1803.6	1801.1	1797.5	1793.9	1789.1	1784.3	1780.6	1751.7	1726.3	1707.0
10°	1879.6	1877.1	1875.9	1871.1	1871.1	1863.9	1862.7	1854.2	1822.9	1799.9	1783.0
12.5°	1978.5	1973.7	1972.4	1966.4	1968.8	1966.4	1964.0	1959.2	1936.3	1909.7	1886.8
15°	2101.5	2101.5	2095.5	2090.7	2091.9	2089.5	2094.3	2088.3	2073.8	2049.7	2012.3
17.5°	2249.9	2247.5	2249.9	2246.3	2248.7	2251.1	2245.1	2246.3	2239.1	2208.9	2153.4
20°	2422.4	2418.8	2433.3	2427.3	2440.5	2428.5	2430.9	2434.5	2434.5	2394.7	2319.9
22.5°	2620.3	2617.9	2617.9	2629.9	2634.8	2636.0	2640.8	2644.4	2654.1	2603.4	2484.0
25°	2818.1	2826.6	2827.8	2843.5	2850.7	2850.7	2854.3	2867.6	2896.5	2826.6	2672.2
27.5°	3019.6	3040.1	3044.9	3055.8	3066.6	3077.5	3085.9	3095.6	3142.6	3066.6	2865.2
30°	3221.1	3244.0	3260.9	3272.9	3286.2	3312.7	3317.6	3336.9	3415.3	3322.4	3048.5
32.5°	3457.5	3490.1	3511.8	3527.5	3548.0	3573.3	3587.8	3611.9	3687.9	3535.9	3182.5
35°	3739.8	3759.1	3790.5	3817.0	3829.1	3872.5	3895.4	3901.5	3959.4	3720.5	3281.4
37.5°	3935.2	3967.8	4022.1	4059.5	4081.2	4105.3	4143.9	4169.3	4224.8	3888.2	3330.8
40°	4183.8	4233.2	4276.7	4332.1	4367.1	4385.2	4423.8	4444.3	4451.6	4031.8	3315.2
42.5°	4486.6	4531.2	4589.1	4633.7	4660.3	4680.8	4712.2	4720.6	4626.5	4099.3	3230.7
45°	4771.3	4840.0	4889.5	4922.1	4941.4	4952.2	4971.5	4972.7	4771.3	4065.5	3085.9
47.5°	5077.7	5127.2	5173.0	5195.9	5193.5	5195.9	5188.7	5183.9	4843.7	3948.5	2900.2
50°	5416.7	5449.3	5468.6	5479.4	5485.5	5462.5	5430.0	5408.2	4849.7	3782.0	2712.0
52.5°	5871.5	5912.5	5908.9	5907.7	5859.4	5837.7	5750.9	5706.2	4814.7	3586.6	2499.6
55°	7023.6	6983.8	6905.4	6944.0	6747.3	6644.8	6509.7	6384.2	4860.5	3400.8	2253.5
57.5°	9634.2	9649.9	9426.7	9307.3	8975.5	8560.5	8226.4	7901.9	5273.1	3287.4	1932.6
60°	12358.3	12153.2	11869.7	11437.8	11010.7	10394.3	9799.5	9237.3	5684.5	3169.2	1552.6
62.5°	13547.8	13255.8	12827.5	12269.0	11598.2	10844.2	10103.5	9418.3	5485.5	2786.8	1129.2
65°	13306.5	12860.1	12387.2	11733.3	10917.8	10091.4	9226.5	8526.8	4589.1	2078.6	696.1
67.5°	12044.6	11665.8	11166.3	10390.6	9518.4	8658.3	7865.7	7081.5	3409.3	1295.7	389.7
70°	10166.2	9795.9	9289.2	8495.4	7624.4	6801.6	5962.0	5322.6	2172.7	624.9	281.1
72.5°	7052.6	6752.2	6393.9	5828.1	5064.4	4316.5	3748.3	3257.3	1204.0	331.8	257.0
75°	2864.0	2865.2	2800.0	2561.2	2164.3	1866.3	1591.2	1349.9	503.1	282.3	253.3
77.5°	649.0	659.9	721.4	684.0	616.5	576.7	516.3	456.0	306.4	290.7	255.8
80°	328.1	329.3	325.7	326.9	323.3	324.5	319.7	316.1	287.1	299.2	255.8
82.5°	273.9	279.9	278.7	278.7	279.9	279.9	279.9	278.7	298.0	314.9	247.3
85°	217.2	229.2	238.9	248.5	259.4	266.6	270.2	273.9	289.5	310.0	224.4
87.5°	164.1	178.5	190.6	200.3	217.2	217.2	229.2	237.7	237.7	242.5	118.2
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: P159364

CATALOG NUMBER: VST-F08-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1732.4	1732.4	1732.4	1732.4	1732.4
2.5°	1673.3	1668.4	1663.6	1661.2	1656.4
5°	1661.2	1651.5	1645.5	1645.5	1640.7
7.5°	1696.2	1692.6	1684.1	1679.3	1684.1
10°	1771.0	1764.9	1755.3	1748.1	1751.7
12.5°	1871.1	1847.0	1827.7	1819.2	1813.2
15°	1974.9	1926.6	1888.0	1866.3	1860.3
17.5°	2085.8	2001.4	1943.5	1910.9	1904.9
20°	2199.2	2094.3	2012.3	1970.0	1968.8
22.5°	2335.6	2195.6	2090.7	2035.2	2031.6
25°	2479.1	2286.1	2147.4	2076.2	2069.0
27.5°	2603.4	2358.5	2182.4	2097.9	2090.7
30°	2707.1	2412.8	2211.3	2113.6	2103.9
32.5°	2781.9	2444.1	2223.4	2118.4	2107.6
35°	2806.1	2432.1	2189.6	2075.0	2062.9
37.5°	2773.5	2353.7	2095.5	1968.8	1954.4
40°	2675.8	2216.1	1942.3	1812.0	1793.9
42.5°	2526.2	2047.2	1757.7	1633.5	1610.5
45°	2341.6	1856.6	1574.3	1435.6	1424.7
47.5°	2148.6	1656.4	1368.0	1242.6	1229.3
50°	1939.9	1424.7	1166.6	1030.3	1030.3
52.5°	1691.4	1199.2	932.5	830.0	821.6
55°	1405.4	944.6	743.1	664.7	653.9
57.5°	1097.8	726.2	593.5	547.7	535.6
60°	807.1	545.3	477.7	452.4	447.6
62.5°	547.7	415.0	384.8	374.0	372.8
65°	370.4	323.3	314.9	311.2	312.5
67.5°	284.7	269.0	265.4	264.2	264.2
70°	247.3	237.7	234.0	235.2	234.0
72.5°	232.8	219.6	220.8	223.2	222.0
75°	228.0	211.1	215.9	217.2	212.3
77.5°	224.4	201.5	213.5	217.2	203.9
80°	217.2	193.0	222.0	223.2	200.3
82.5°	199.1	171.3	222.0	205.1	181.0
85°	168.9	130.3	250.9	178.5	133.9
87.5°	107.4	77.2	170.1	121.8	80.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)