

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: P159363

Luminaire Tested: **VST-F08-LED-E-U-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159363
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-T2-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (56) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17205 lumens
Efficiency: N/A
Efficacy: 84.2 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



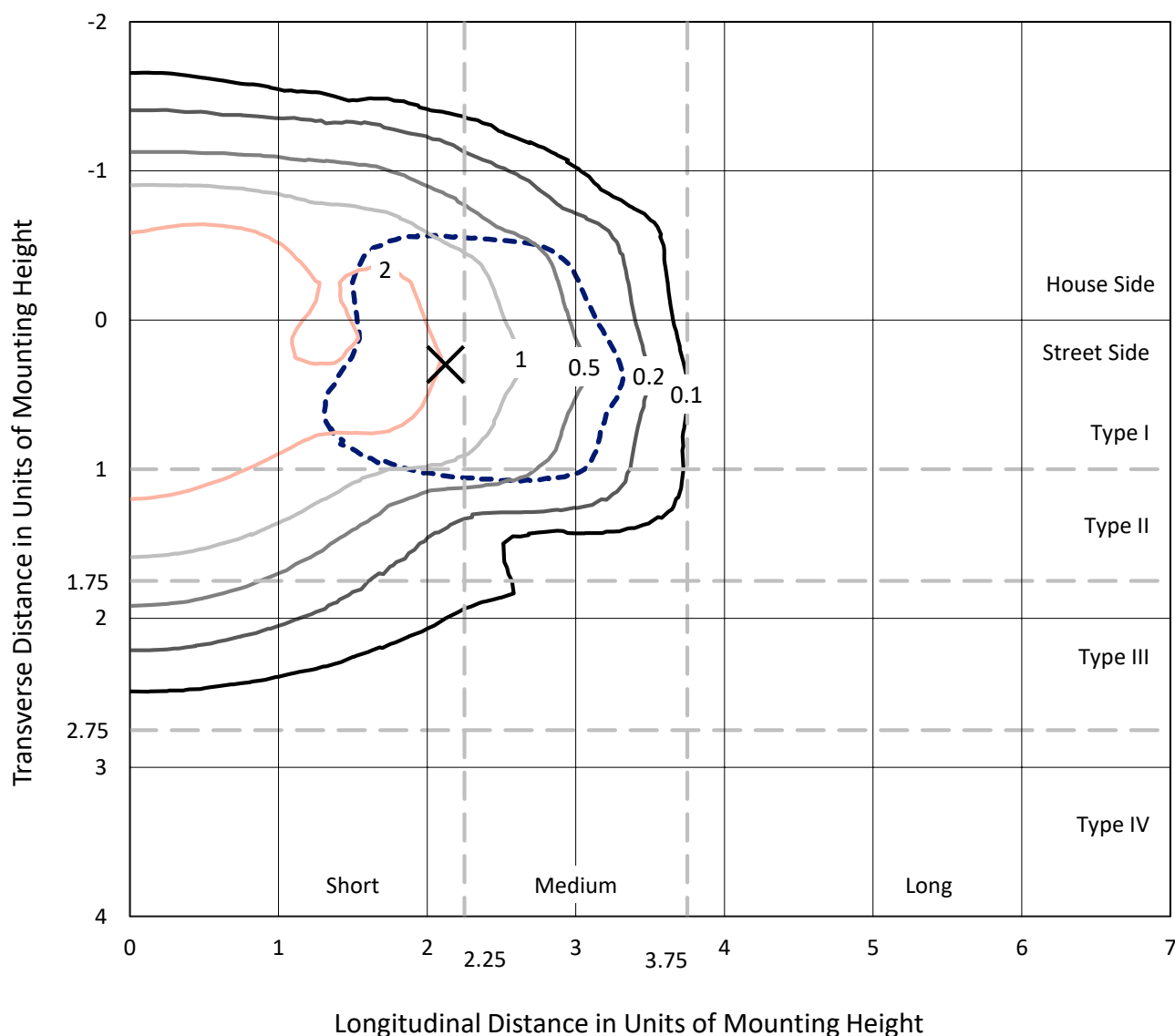
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

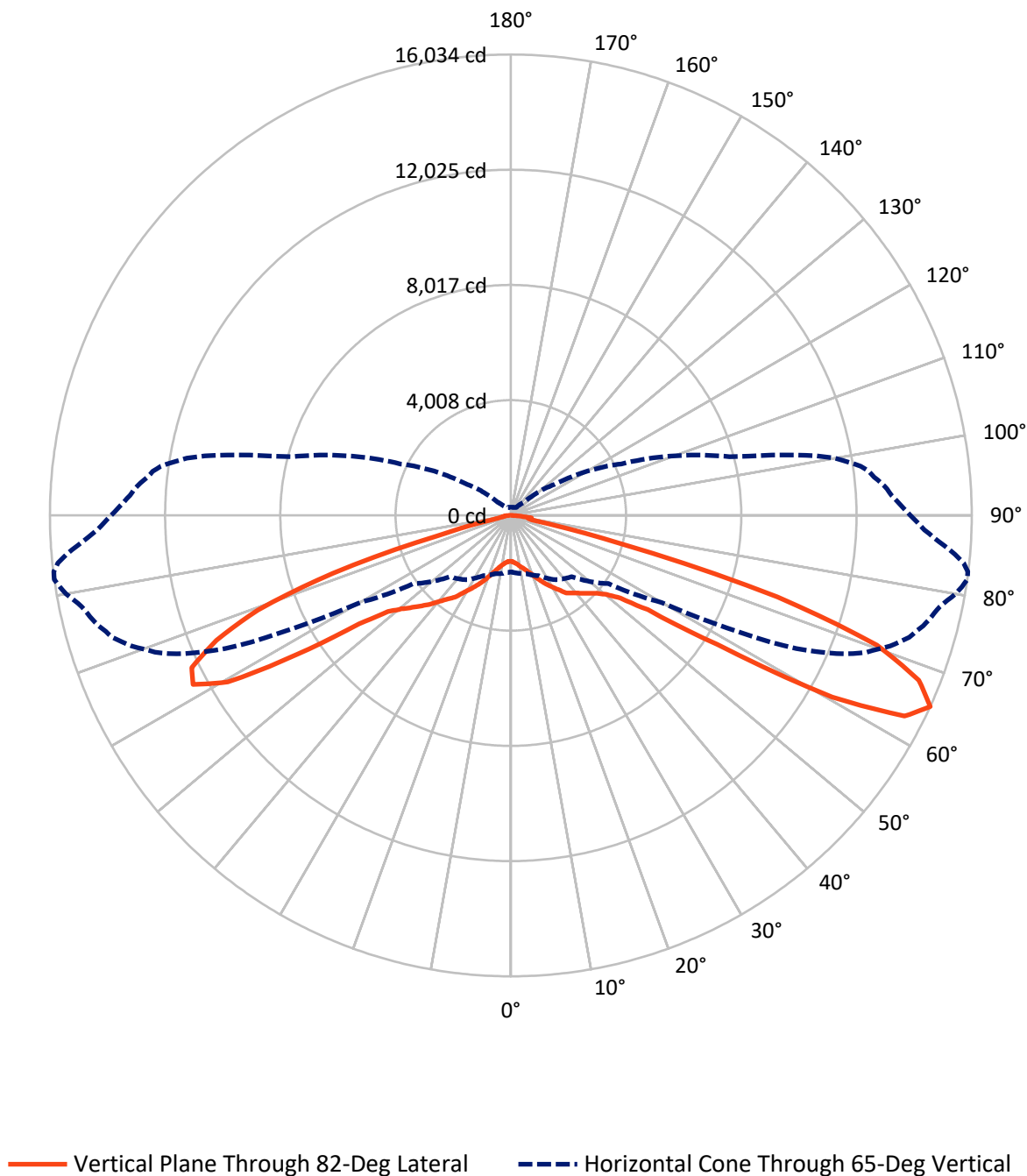


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6406.0	0.0	6406.0
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	10799.0	0.0	10799.0
	% Fixture	62.8	0.0	62.8
Total	Lumens	17205.0	0.0	17205.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.1	0.9
10°-20°	569.4	3.3
20°-30°	1128.3	6.6
30°-40°	1934.2	11.2
40°-50°	2905.6	16.9
50°-60°	4036.9	23.5
60°-70°	4605.4	26.8
70°-80°	1586.5	9.2
80°-90°	276.5	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°	17205.0	100.0
0°-180°	17205.0	100.0

Coefficient of Utilization



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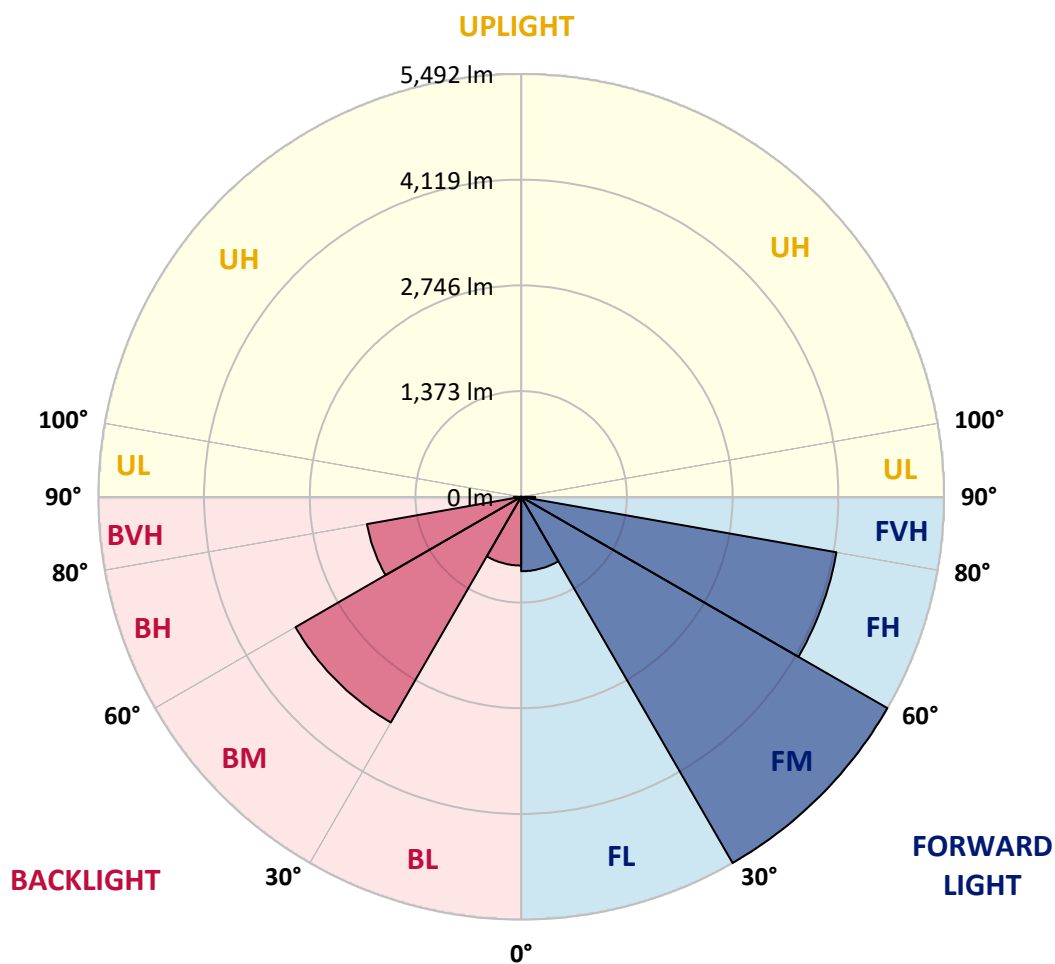
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	966.6	5.6			
FM	(30°-60°)	5492.2	31.9			
FH	(60°-80°)	4158.3	24.2			G2/5000
FVH	(80°-90°)	182.0	1.1			G2/225
BL	(0°-30°)	893.3	5.2	B2/1000		
BM	(30°-60°)	3384.5	19.7	B3/5000		
BH	(60°-80°)	2033.7	11.8	B3/2500		G3/2500
BVH	(80°-90°)	94.5	0.5			G1/100
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°	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8
2.5°	1687.8	1688.9	1687.8	1684.4	1683.3	1673.3	1662.1	1656.6	1655.4	1651.0	1652.1
5°	1792.6	1789.2	1784.8	1779.2	1773.6	1756.9	1737.9	1727.9	1724.6	1721.2	1716.8
7.5°	1886.2	1888.4	1886.2	1878.4	1863.9	1842.7	1818.2	1802.6	1801.5	1798.1	1794.8
10°	2006.6	2012.2	1998.8	1985.4	1965.4	1933.0	1905.2	1885.1	1881.7	1877.3	1875.1
12.5°	2137.0	2138.1	2133.7	2103.6	2070.1	2025.5	1985.4	1965.4	1960.9	1955.3	1953.1
15°	2276.4	2277.5	2253.0	2224.0	2172.7	2119.2	2063.5	2041.2	2035.6	2036.7	2027.8
17.5°	2386.7	2389.0	2365.6	2328.8	2267.5	2203.9	2143.7	2125.9	2122.5	2123.6	2119.2
20°	2434.7	2438.0	2423.5	2395.7	2337.7	2281.9	2238.5	2227.3	2226.2	2224.0	2232.9
22.5°	2432.4	2433.6	2428.0	2416.8	2382.3	2349.9	2344.4	2351.1	2349.9	2352.2	2360.0
25°	2412.4	2415.7	2414.6	2419.1	2413.5	2425.8	2451.4	2474.8	2478.1	2482.6	2497.1
27.5°	2463.7	2470.3	2462.5	2467.0	2475.9	2517.2	2569.6	2605.2	2611.9	2624.2	2636.4
30°	2664.3	2655.4	2645.4	2634.2	2639.8	2665.4	2724.5	2755.7	2759.1	2768.0	2784.7
32.5°	2962.0	2951.9	2943.0	2925.2	2920.7	2909.6	2929.6	2937.4	2936.3	2945.2	2949.7
35°	3297.5	3298.6	3296.4	3309.8	3320.9	3264.1	3193.8	3174.9	3182.7	3172.7	3174.9
37.5°	3584.0	3587.4	3646.4	3720.0	3741.2	3705.5	3551.7	3475.9	3450.2	3446.9	3421.3
40°	3901.7	3901.7	3990.9	4081.2	4140.3	4184.9	4002.0	3868.3	3813.7	3798.0	3734.5
42.5°	4250.6	4232.8	4314.2	4413.4	4522.6	4624.1	4529.3	4378.8	4300.8	4272.9	4161.5
45°	4537.1	4526.0	4566.1	4658.7	4835.9	5034.3	5047.7	4970.8	4924.0	4866.0	4763.4
47.5°	4713.3	4707.7	4731.1	4831.4	5053.3	5374.3	5553.8	5592.8	5565.0	5520.4	5421.2
50°	4782.4	4774.6	4791.3	4902.8	5151.4	5575.0	5971.9	6155.8	6169.2	6179.2	6148.0
52.5°	4757.9	4747.8	4782.4	4876.0	5134.7	5645.2	6298.5	6651.9	6711.0	6761.1	6863.7
55°	4522.6	4507.0	4600.7	4776.8	5062.2	5619.6	6537.1	7129.0	7253.9	7387.6	7615.0
57.5°	4162.6	4149.2	4284.1	4526.0	4934.0	5549.4	6697.6	7732.1	8013.0	8253.8	8899.3
60°	3815.9	3804.7	3883.9	4118.0	4518.2	5207.1	6499.1	7935.0	8406.5	8926.0	10104.3
62.5°	3196.1	3166.0	3271.9	3469.2	3722.2	4307.5	5633.0	7483.5	8210.3	8974.0	10571.4
65°	1964.2	2007.7	2099.1	2317.6	2732.3	3011.0	4136.9	6054.4	7013.1	7970.7	10043.0
67.5°	1247.4	1259.7	1327.7	1479.3	1800.4	2080.2	2507.1	3799.2	4538.3	5480.2	7884.8
70°	1069.1	1076.9	1134.8	1293.1	1515.0	1859.4	1897.4	1984.3	2249.6	2849.4	4635.2
72.5°	842.8	856.1	901.9	1039.0	1306.5	1676.6	2342.1	1568.5	1515.0	1565.1	2261.9
75°	501.6	517.3	555.2	629.8	839.4	1282.0	2453.6	1824.9	1701.1	1604.2	1560.7
77.5°	265.3	254.2	279.8	323.3	431.4	683.4	1843.8	2236.2	2149.3	2033.4	1787.0
80°	131.5	136.0	143.8	152.7	192.9	277.6	921.9	2313.2	2564.0	2675.5	2457.0
82.5°	52.4	59.1	83.6	89.2	105.9	118.2	296.5	1282.0	1836.0	2490.4	3251.8
85°	26.8	25.6	44.6	53.5	62.4	55.7	104.8	478.2	860.6	1341.1	2172.7
87.5°	3.3	4.5	10.0	13.4	19.0	17.8	30.1	103.7	165.0	234.1	328.9
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°	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8
2.5°	1646.5	1645.4	1645.4	1641.0	1641.0	1642.1	1638.7	1636.5	1636.5	1637.6	1633.1
5°	1713.4	1710.1	1710.1	1705.6	1700.0	1700.0	1695.6	1694.5	1692.2	1687.8	1684.4
7.5°	1791.4	1788.1	1782.5	1779.2	1777.0	1773.6	1768.0	1765.8	1761.3	1756.9	1752.4
10°	1871.7	1867.3	1865.0	1859.4	1857.2	1850.5	1847.2	1848.3	1839.4	1836.0	1837.2
12.5°	1952.0	1947.5	1939.7	1937.5	1936.4	1929.7	1926.3	1924.1	1917.4	1916.3	1913.0
15°	2023.3	2025.5	2022.2	2016.6	2012.2	2011.1	2007.7	2005.5	2001.0	1996.6	1992.1
17.5°	2115.8	2119.2	2114.7	2106.9	2106.9	2105.8	2106.9	2105.8	2098.0	2101.4	2099.1
20°	2234.0	2236.2	2225.1	2228.4	2230.7	2229.6	2232.9	2236.2	2234.0	2234.0	2237.4
22.5°	2370.0	2373.4	2366.7	2371.1	2377.8	2372.2	2382.3	2381.2	2383.4	2386.7	2387.9
25°	2509.4	2516.1	2510.5	2522.7	2518.3	2522.7	2535.0	2531.7	2537.2	2546.2	2549.5
27.5°	2648.7	2653.2	2654.3	2662.1	2669.9	2676.6	2692.2	2692.2	2696.6	2712.3	2712.3
30°	2794.7	2799.2	2803.7	2814.8	2819.3	2831.5	2847.1	2851.6	2849.4	2871.7	2878.4
32.5°	2963.1	2967.5	2975.3	2988.7	2994.3	3006.6	3006.6	3018.8	3027.7	3046.7	3047.8
35°	3187.1	3190.5	3187.1	3186.0	3193.8	3210.6	3211.7	3229.5	3237.3	3256.3	3261.8
37.5°	3411.2	3410.1	3395.6	3380.0	3381.1	3374.4	3370.0	3377.8	3381.1	3382.2	3394.5
40°	3713.3	3684.3	3662.0	3623.0	3605.2	3577.3	3560.6	3559.5	3541.6	3539.4	3542.8
42.5°	4109.1	4075.6	4023.2	3957.5	3907.3	3856.0	3818.1	3795.8	3756.8	3736.7	3720.0
45°	4662.0	4579.5	4517.1	4439.0	4342.1	4252.9	4159.2	4116.9	4042.2	3996.5	3945.2
47.5°	5337.6	5256.2	5160.3	5080.0	4953.0	4829.2	4701.0	4588.4	4458.0	4354.3	4269.6
50°	6071.1	6023.1	5954.0	5879.3	5715.5	5634.1	5472.4	5319.7	5179.3	4994.2	4832.6
52.5°	6823.5	6851.4	6835.8	6809.1	6705.4	6674.2	6534.8	6348.7	6207.1	6080.0	5799.1
55°	7751.0	7784.5	7851.4	7890.4	7878.1	7957.3	7922.7	7777.8	7720.9	7661.9	7462.3
57.5°	9170.2	9408.7	9664.0	9888.1	9940.5	10221.4	10161.2	10306.1	10408.7	10335.1	10270.4
60°	10682.9	11164.5	11598.1	12051.9	12420.8	12697.3	13063.0	13309.3	13464.3	13743.0	13765.3
62.5°	11292.7	11947.1	12497.8	13023.9	13462.0	13845.5	14175.5	14515.5	14794.2	15046.1	15227.9
65°	10958.3	11641.6	12309.4	12843.3	13264.7	13594.7	13953.7	14223.4	14497.7	14659.3	14849.9
67.5°	9110.0	10015.2	10836.7	11438.7	12015.1	12350.6	12775.3	13040.7	13331.6	13502.2	13624.8
70°	5939.5	7117.9	8240.4	9153.4	9931.5	10322.8	10835.6	11197.9	11548.0	11556.9	11760.9
72.5°	3205.0	4190.4	5130.2	6063.3	6950.6	7471.2	7977.3	8417.7	8765.5	8617.2	8820.1
75°	1784.8	2246.3	2760.2	3320.9	3861.6	4159.2	4537.1	4539.4	4718.9	4436.8	4508.2
77.5°	1716.8	1695.6	1703.4	1719.0	1745.7	1688.9	1687.8	1653.2	1599.7	1502.7	1519.4
80°	2255.2	1985.4	1791.4	1487.1	1197.3	976.5	915.2	929.7	973.2	1060.2	1170.5
82.5°	3260.7	3033.3	2707.8	2228.4	1749.1	1348.9	1108.1	983.2	977.7	1064.6	1231.8
85°	2374.5	2511.6	2490.4	2079.1	1714.5	1392.4	1013.3	856.1	709.0	674.4	733.5
87.5°	350.0	289.8	326.6	273.1	198.4	153.8	134.9	108.1	103.7	105.9	115.9
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8
2.5°	1634.3	1629.8	1625.3	1628.7	1625.3	1624.2	1620.9	1618.7	1617.5	1617.5	1617.5
5°	1684.4	1678.9	1675.5	1674.4	1671.1	1667.7	1666.6	1661.0	1659.9	1659.9	1656.6
7.5°	1752.4	1748.0	1742.4	1739.1	1736.8	1731.2	1725.7	1724.6	1723.4	1719.0	1715.6
10°	1831.6	1824.9	1818.2	1818.2	1813.7	1812.6	1807.1	1799.2	1798.1	1791.4	1789.2
12.5°	1906.3	1904.0	1896.2	1894.0	1890.7	1887.3	1884.0	1880.6	1877.3	1871.7	1873.9
15°	1995.5	1989.9	1983.2	1984.3	1983.2	1978.7	1974.3	1970.9	1968.7	1966.5	1966.5
17.5°	2102.5	2100.2	2099.1	2093.6	2089.1	2092.4	2092.4	2092.4	2086.9	2088.0	2089.1
20°	2238.5	2240.7	2238.5	2234.0	2232.9	2236.2	2228.4	2240.7	2234.0	2229.6	2231.8
22.5°	2389.0	2396.8	2387.9	2389.0	2394.5	2396.8	2389.0	2399.0	2395.7	2389.0	2394.5
25°	2552.8	2558.4	2554.0	2552.8	2556.2	2564.0	2562.9	2561.8	2569.6	2562.9	2566.2
27.5°	2721.2	2724.5	2726.7	2730.1	2732.3	2731.2	2735.7	2735.7	2740.1	2732.3	2735.7
30°	2888.4	2888.4	2892.8	2897.3	2897.3	2897.3	2906.2	2907.3	2900.6	2902.9	2895.1
32.5°	3066.8	3067.9	3072.3	3072.3	3081.2	3082.4	3092.4	3079.0	3092.4	3081.2	3083.5
35°	3276.3	3290.8	3293.1	3304.2	3313.1	3316.5	3316.5	3317.6	3329.8	3320.9	3324.3
37.5°	3399.0	3402.3	3411.2	3416.8	3416.8	3421.3	3424.6	3421.3	3424.6	3423.5	3426.8
40°	3543.9	3540.5	3550.6	3552.8	3548.3	3553.9	3552.8	3549.4	3558.4	3551.7	3556.1
42.5°	3720.0	3701.1	3699.9	3708.9	3699.9	3704.4	3703.3	3695.5	3706.6	3710.0	3706.6
45°	3908.4	3898.4	3878.3	3878.3	3869.4	3866.0	3867.2	3866.0	3867.2	3880.5	3885.0
47.5°	4215.0	4153.7	4119.1	4086.8	4060.0	4058.9	4046.6	4053.3	4062.2	4084.5	4104.6
50°	4728.9	4587.3	4500.4	4420.1	4362.1	4342.1	4318.6	4316.4	4324.2	4349.9	4384.4
52.5°	5645.2	5449.0	5264.0	5092.3	4942.9	4828.1	4771.2	4741.1	4730.0	4755.6	4789.1
55°	7321.9	6951.7	6690.9	6517.0	6145.8	5988.6	5786.8	5694.3	5604.0	5612.9	5669.8
57.5°	10186.8	9987.3	9768.8	9464.5	9237.0	8962.8	8458.9	8178.0	8190.3	8256.0	8050.9
60°	13941.4	13739.6	13649.3	13372.9	13214.6	13104.2	12836.7	12370.7	12205.7	12174.5	11797.7
62.5°	15367.2	15415.1	15486.5	15564.5	15560.1	15608.0	15373.9	15222.3	15031.7	14784.2	14411.8
65°	14994.9	15116.4	15261.3	15470.9	15709.4	15885.6	16033.8	16016.0	15837.6	15507.7	15114.1
67.5°	13734.1	13854.4	13960.4	14241.3	14632.6	14990.4	15307.0	15522.2	15402.9	15129.8	14670.5
70°	11838.9	11925.9	11992.8	12236.9	12666.1	13103.1	13516.7	13877.9	13841.1	13510.0	13143.2
72.5°	8578.2	8788.9	8902.6	8885.9	9151.2	9640.6	9698.6	10007.4	10093.2	9736.5	9152.3
75°	4179.3	4182.6	4051.1	4007.6	4021.0	4105.7	3944.1	3954.1	3898.4	3645.3	3436.9
77.5°	1460.4	1420.2	1324.4	1210.6	1047.9	895.2	740.2	673.3	651.0	585.3	539.6
80°	1258.6	1317.7	1298.7	1205.1	1033.4	823.8	615.4	455.9	389.1	365.6	343.4
82.5°	1429.1	1656.6	1801.5	1793.7	1558.5	1170.5	730.2	419.2	298.8	262.0	240.8
85°	797.1	857.3	874.0	796.0	661.1	451.5	251.9	177.2	150.5	137.1	123.7
87.5°	127.1	115.9	113.7	99.2	93.6	85.8	75.8	71.3	65.8	62.4	62.4
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-T2-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8
2.5°	1616.4	1615.3	1612.0	1608.6	1606.4	1605.3	1604.2	1601.9	1600.8	1599.7	1597.5
5°	1654.3	1652.1	1646.5	1641.0	1638.7	1635.4	1632.0	1629.8	1627.6	1626.5	1622.0
7.5°	1713.4	1711.2	1704.5	1700.0	1698.9	1690.0	1688.9	1685.5	1680.0	1678.9	1672.2
10°	1784.8	1783.6	1778.1	1774.7	1772.5	1768.0	1761.3	1755.8	1750.2	1750.2	1745.7
12.5°	1867.3	1862.8	1866.1	1858.3	1856.1	1851.6	1848.3	1847.2	1840.5	1834.9	1833.8
15°	1964.2	1958.7	1958.7	1956.4	1954.2	1949.7	1948.6	1949.7	1943.1	1945.3	1938.6
17.5°	2084.6	2086.9	2085.7	2085.7	2080.2	2080.2	2071.3	2082.4	2074.6	2080.2	2077.9
20°	2235.1	2236.2	2234.0	2237.4	2239.6	2238.5	2237.4	2236.2	2239.6	2244.0	2240.7
22.5°	2395.7	2395.7	2394.5	2406.8	2393.4	2403.5	2406.8	2400.1	2418.0	2415.7	2419.1
25°	2569.6	2569.6	2578.5	2588.5	2590.7	2582.9	2587.4	2581.8	2593.0	2601.9	2604.1
27.5°	2731.2	2745.7	2752.4	2745.7	2751.3	2763.5	2762.4	2762.4	2770.2	2768.0	2789.2
30°	2897.3	2906.2	2915.1	2910.7	2912.9	2928.5	2929.6	2930.7	2940.8	2955.3	2970.9
32.5°	3086.8	3095.7	3091.3	3105.8	3104.7	3123.6	3126.9	3130.3	3161.5	3155.9	3188.3
35°	3319.8	3328.7	3324.3	3339.9	3337.6	3344.3	3356.6	3370.0	3375.5	3407.9	3433.5
37.5°	3429.1	3429.1	3439.1	3456.9	3463.6	3474.8	3493.7	3510.4	3538.3	3572.9	3613.0
40°	3560.6	3563.9	3577.3	3596.3	3608.5	3634.2	3668.7	3692.1	3734.5	3772.4	3819.2
42.5°	3720.0	3734.5	3750.1	3775.7	3802.5	3842.6	3891.7	3921.8	3977.5	4026.6	4084.5
45°	3906.2	3920.7	3957.5	4004.3	4043.3	4087.9	4128.0	4199.4	4249.5	4300.8	4351.0
47.5°	4131.4	4173.7	4203.8	4259.6	4307.5	4366.6	4416.7	4483.6	4538.3	4600.7	4643.0
50°	4420.1	4472.5	4511.5	4584.0	4630.8	4696.6	4760.1	4810.3	4866.0	4927.3	4961.9
52.5°	4834.8	4888.3	4937.3	5027.6	5085.6	5130.2	5214.9	5277.4	5328.6	5373.2	5411.1
55°	5733.3	5717.7	5853.7	6028.7	6048.8	6210.4	6240.5	6292.9	6387.7	6401.0	6507.0
57.5°	8300.6	8220.4	8417.7	8674.1	8629.5	8548.1	8888.1	8909.3	8861.4	8989.6	8844.6
60°	11853.4	11713.0	11766.5	11836.7	11735.3	11687.3	11704.0	11752.0	11705.2	11653.9	11513.4
62.5°	14225.7	14009.4	13854.4	13724.0	13559.0	13439.8	13306.0	13141.0	13096.4	12909.1	12751.9
65°	14731.8	14395.1	14149.9	13903.5	13676.1	13465.4	13263.6	13122.0	12934.8	12712.9	12549.0
67.5°	14175.5	13758.6	13399.6	13041.8	12784.3	12474.4	12322.7	12092.0	11861.2	11607.1	11456.6
70°	12559.1	12124.3	11672.8	11322.8	10972.7	10589.3	10514.6	10241.5	10108.8	9762.1	9701.9
72.5°	8668.5	8378.7	8176.9	7744.4	7531.4	7335.2	7272.8	7019.8	7046.5	6666.4	6804.6
75°	3082.4	3041.1	2982.0	2737.9	2694.4	2618.6	2598.5	2580.7	2761.3	2510.5	2692.2
77.5°	529.5	526.2	496.1	481.6	509.5	491.6	496.1	487.2	539.6	547.4	535.1
80°	328.9	319.9	309.9	303.2	304.3	297.6	298.8	301.0	304.3	303.2	306.6
82.5°	225.2	217.4	212.9	208.5	215.2	217.4	223.0	228.5	237.4	243.0	249.7
85°	122.6	112.6	112.6	111.5	120.4	127.1	136.0	147.2	162.8	176.1	190.6
87.5°	62.4	60.2	61.3	63.5	71.3	76.9	88.1	98.1	111.5	126.0	139.3
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-T2-8030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8	1600.8
2.5°	1596.4	1596.4	1595.2	1595.2	1594.1	1593.0	1591.9	1588.6	1576.3	1565.1	1557.3
5°	1620.9	1617.5	1616.4	1613.1	1612.0	1609.7	1606.4	1603.0	1580.8	1560.7	1546.2
7.5°	1671.1	1666.6	1664.4	1661.0	1657.7	1653.2	1648.8	1645.4	1618.7	1595.2	1577.4
10°	1736.8	1734.6	1733.5	1729.0	1729.0	1722.3	1721.2	1713.4	1684.4	1663.2	1647.6
12.5°	1828.2	1823.8	1822.7	1817.1	1819.3	1817.1	1814.9	1810.4	1789.2	1764.7	1743.5
15°	1941.9	1941.9	1936.4	1931.9	1933.0	1930.8	1935.3	1929.7	1916.3	1894.0	1859.4
17.5°	2079.1	2076.8	2079.1	2075.7	2077.9	2080.2	2074.6	2075.7	2069.0	2041.2	1989.9
20°	2238.5	2235.1	2248.5	2242.9	2255.2	2244.0	2246.3	2249.6	2249.6	2212.8	2143.7
22.5°	2421.3	2419.1	2419.1	2430.2	2434.7	2435.8	2440.2	2443.6	2452.5	2405.7	2295.3
25°	2604.1	2611.9	2613.0	2627.5	2634.2	2634.2	2637.6	2649.8	2676.6	2611.9	2469.2
27.5°	2790.3	2809.2	2813.7	2823.7	2833.8	2843.8	2851.6	2860.5	2904.0	2833.8	2647.6
30°	2976.5	2997.6	3013.2	3024.4	3036.7	3061.2	3065.6	3083.5	3155.9	3070.1	2817.0
32.5°	3195.0	3225.0	3245.1	3259.6	3278.6	3302.0	3315.3	3337.6	3407.9	3267.4	2940.8
35°	3455.8	3473.6	3502.6	3527.2	3538.3	3578.4	3599.6	3605.2	3658.7	3438.0	3032.2
37.5°	3636.4	3666.5	3716.7	3751.2	3771.3	3793.6	3829.3	3852.7	3903.9	3592.9	3077.9
40°	3866.0	3911.8	3951.9	4003.2	4035.5	4052.2	4087.9	4106.8	4113.5	3725.6	3063.4
42.5°	4145.9	4187.1	4240.6	4281.9	4306.4	4325.3	4354.3	4362.1	4275.2	3788.0	2985.4
45°	4408.9	4472.5	4518.2	4548.3	4566.1	4576.2	4594.0	4595.1	4408.9	3756.8	2851.6
47.5°	4692.1	4737.8	4780.2	4801.3	4799.1	4801.3	4794.7	4790.2	4475.8	3648.7	2679.9
50°	5005.3	5035.4	5053.3	5063.3	5068.9	5047.7	5017.6	4997.5	4481.4	3494.8	2506.0
52.5°	5425.6	5463.5	5460.2	5459.1	5414.5	5394.4	5314.1	5272.9	4449.1	3314.2	2309.8
55°	6490.2	6453.4	6381.0	6416.7	6234.9	6140.2	6015.3	5899.4	4491.4	3142.6	2082.4
57.5°	8902.6	8917.1	8710.9	8600.5	8293.9	7910.5	7601.7	7301.8	4872.7	3037.8	1785.9
60°	11419.8	11230.3	10968.3	10569.2	10174.6	9604.9	9055.3	8535.8	5252.8	2928.5	1434.7
62.5°	12518.9	12249.2	11853.4	11337.3	10717.5	10020.7	9336.3	8703.1	5068.9	2575.1	1043.4
65°	12296.0	11883.5	11446.5	10842.3	10088.7	9325.1	8525.8	7879.2	4240.6	1920.8	643.2
67.5°	11129.9	10779.9	10318.4	9601.6	8795.6	8000.8	7268.3	6543.7	3150.4	1197.3	360.1
70°	9394.2	9052.0	8583.8	7850.3	7045.4	6285.1	5509.2	4918.4	2007.7	577.5	259.7
72.5°	6517.0	6239.4	5908.3	5385.5	4679.8	3988.7	3463.6	3009.9	1112.5	306.6	237.4
75°	2646.5	2647.6	2587.4	2366.7	1999.9	1724.6	1470.4	1247.4	464.9	260.9	234.1
77.5°	599.7	609.8	666.6	632.1	569.7	532.9	477.1	421.4	283.2	268.7	236.3
80°	303.2	304.3	301.0	302.1	298.8	299.9	295.4	292.1	265.3	276.5	236.3
82.5°	253.1	258.6	257.5	257.5	258.6	258.6	258.6	257.5	275.3	291.0	228.5
85°	200.7	211.8	220.7	229.6	239.7	246.4	249.7	253.1	267.5	286.5	207.3
87.5°	151.6	165.0	176.1	185.1	200.7	200.7	211.8	219.6	219.6	224.1	109.2
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: P159363

CATALOG NUMBER: VST-F08-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1600.8	1600.8	1600.8	1600.8	1600.8
2.5°	1546.2	1541.7	1537.3	1535.0	1530.6
5°	1535.0	1526.1	1520.6	1520.6	1516.1
7.5°	1567.4	1564.0	1556.2	1551.8	1556.2
10°	1636.5	1630.9	1622.0	1615.3	1618.7
12.5°	1729.0	1706.7	1688.9	1681.1	1675.5
15°	1824.9	1780.3	1744.6	1724.6	1719.0
17.5°	1927.4	1849.4	1795.9	1765.8	1760.2
20°	2032.2	1935.3	1859.4	1820.4	1819.3
22.5°	2158.2	2028.9	1931.9	1880.6	1877.3
25°	2290.9	2112.5	1984.3	1918.5	1911.8
27.5°	2405.7	2179.4	2016.6	1938.6	1931.9
30°	2501.6	2229.6	2043.4	1953.1	1944.2
32.5°	2570.7	2258.5	2054.5	1957.5	1947.5
35°	2593.0	2247.4	2023.3	1917.4	1906.3
37.5°	2562.9	2174.9	1936.4	1819.3	1805.9
40°	2472.6	2047.8	1794.8	1674.4	1657.7
42.5°	2334.3	1891.8	1624.2	1509.4	1488.2
45°	2163.8	1715.6	1454.8	1326.6	1316.6
47.5°	1985.4	1530.6	1264.2	1148.2	1136.0
50°	1792.6	1316.6	1078.0	952.0	952.0
52.5°	1562.9	1108.1	861.7	767.0	759.2
55°	1298.7	872.9	686.7	614.2	604.2
57.5°	1014.4	671.1	548.5	506.1	495.0
60°	745.8	503.9	441.5	418.0	413.6
62.5°	506.1	383.5	355.6	345.6	344.5
65°	342.2	298.8	291.0	287.6	288.7
67.5°	263.1	248.6	245.3	244.1	244.1
70°	228.5	219.6	216.3	217.4	216.3
72.5°	215.2	202.9	204.0	206.2	205.1
75°	210.7	195.1	199.5	200.7	196.2
77.5°	207.3	186.2	197.3	200.7	188.4
80°	200.7	178.4	205.1	206.2	185.1
82.5°	183.9	158.3	205.1	189.5	167.2
85°	156.1	120.4	231.9	165.0	123.7
87.5°	99.2	71.3	157.2	112.6	74.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)