

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: P158221

Luminaire Tested: **VST-E04-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158221
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E04-LED-E-U-SL2-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (84) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12349.2 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 97.2
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



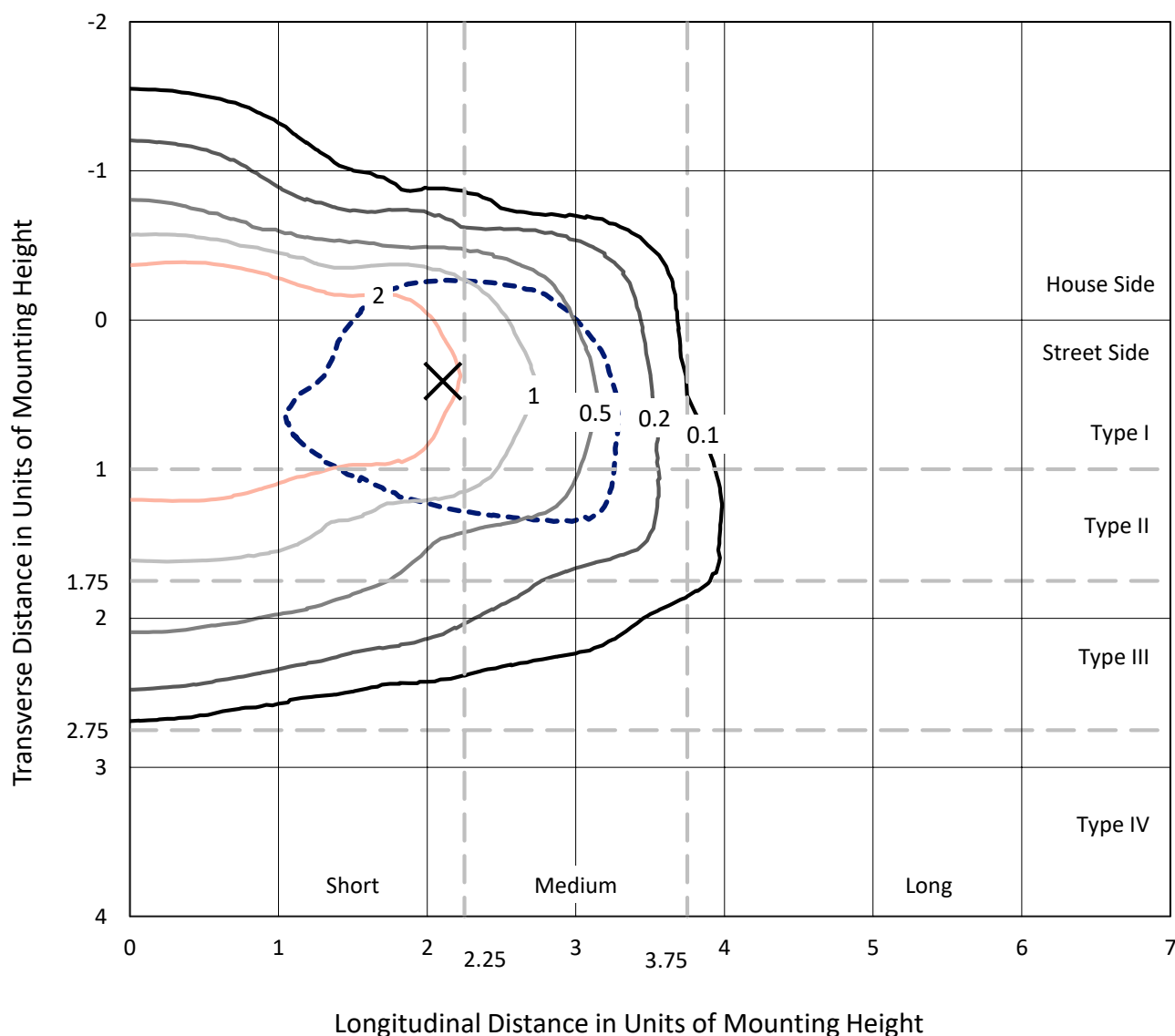
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

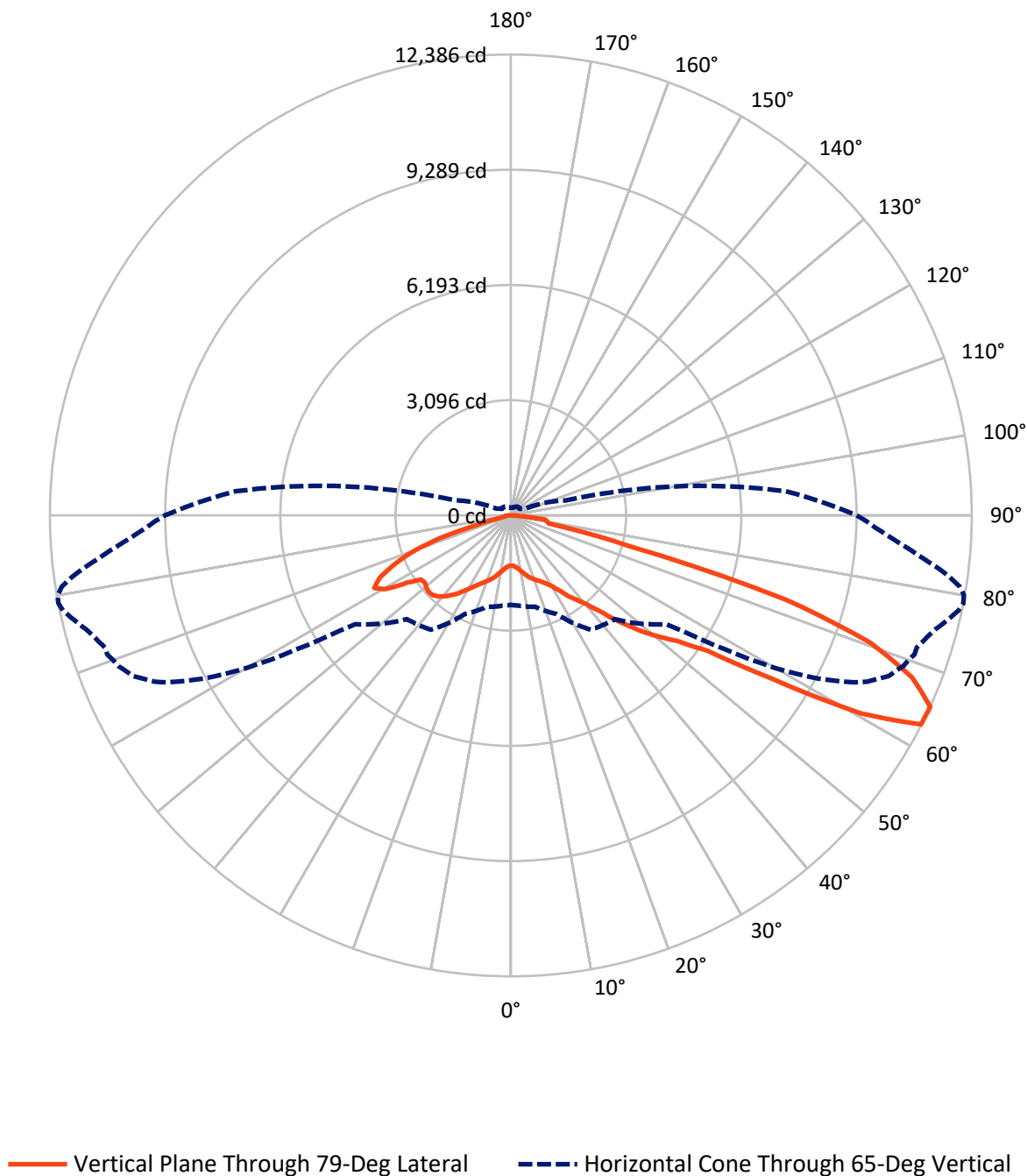


Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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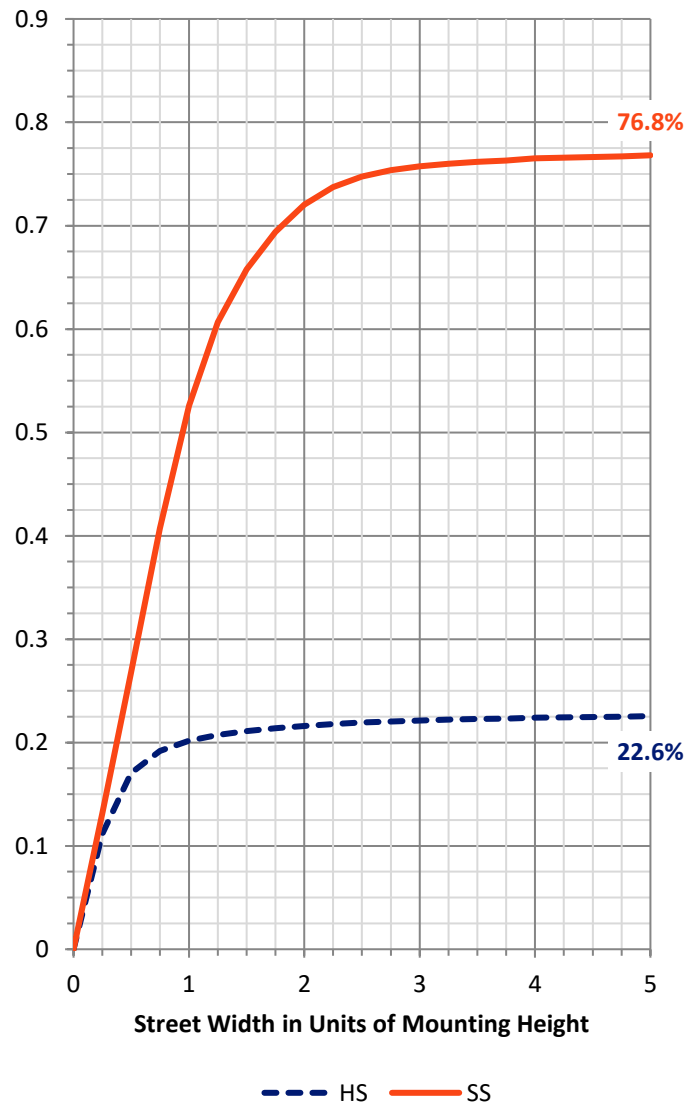
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2837.6	0.0	2837.6
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	9511.6	0.0	9511.6
	% Fixture	77.0	0.0	77.0
Total	Lumens	12349.2	0.0	12349.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	1.1
10°-20°	434.2	3.5
20°-30°	748.5	6.1
30°-40°	1226.0	9.9
40°-50°	2053.1	16.6
50°-60°	2777.1	22.5
60°-70°	3420.0	27.7
70°-80°	1323.9	10.7
80°-90°	232.8	1.9
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°	12349.2	100.0
0°-180°	12349.2	100.0

Coefficient of Utilization



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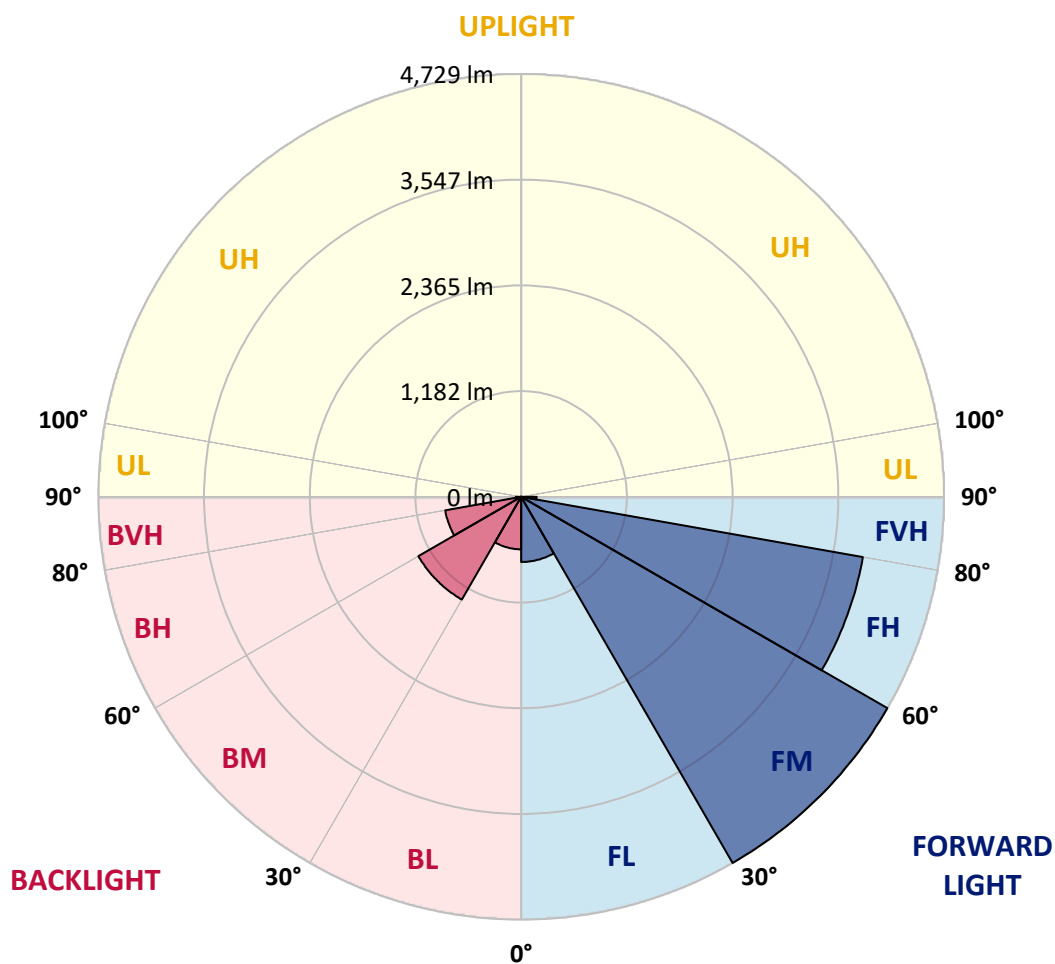
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	729.1	5.9			
FM	(30°-60°)	4729.2	38.3			
FH	(60°-80°)	3880.6	31.4			G2/5000
FVH	(80°-90°)	172.8	1.4			G2/225
BL	(0°-30°)	587.3	4.8	B2/1000		
BM	(30°-60°)	1327.0	10.7	B2/2500		
BH	(60°-80°)	863.3	7.0	B2/1000		G2/1000
BVH	(80°-90°)	60.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2
2.5°	1353.6	1349.5	1353.6	1356.9	1359.4	1362.7	1361.8	1361.0	1360.2	1361.0	1361.0
5°	1365.1	1364.3	1368.4	1371.7	1377.4	1381.5	1386.5	1386.5	1386.5	1385.7	1387.3
7.5°	1402.1	1401.2	1405.4	1408.6	1413.6	1421.8	1428.3	1431.6	1430.8	1430.8	1430.8
10°	1462.8	1459.5	1459.5	1459.5	1466.1	1471.8	1486.6	1488.3	1491.5	1489.9	1490.7
12.5°	1521.9	1522.7	1520.3	1517.8	1518.6	1530.1	1551.5	1555.6	1556.4	1558.9	1560.5
15°	1575.3	1574.5	1568.7	1563.0	1570.4	1590.1	1618.0	1625.4	1625.4	1630.3	1633.6
17.5°	1624.5	1622.9	1612.2	1602.4	1609.8	1643.4	1686.9	1691.8	1699.2	1701.7	1705.0
20°	1682.8	1679.5	1667.2	1640.9	1640.9	1686.9	1744.4	1749.3	1755.9	1757.5	1763.3
22.5°	1764.1	1755.9	1729.6	1682.0	1668.9	1722.2	1792.8	1795.3	1800.2	1806.8	1811.7
25°	1856.0	1857.7	1815.0	1732.1	1703.3	1759.2	1839.6	1843.7	1852.7	1857.7	1863.4
27.5°	1951.2	1953.7	1906.1	1802.7	1754.2	1810.0	1902.8	1907.7	1918.4	1924.2	1933.2
30°	2059.6	2062.9	2016.9	1912.7	1838.8	1884.8	1996.4	2009.5	2018.6	2025.9	2040.7
32.5°	2319.8	2300.1	2268.1	2157.3	2040.7	2037.4	2147.4	2162.2	2174.5	2190.1	2204.1
35°	2647.4	2659.7	2676.1	2601.4	2498.8	2424.1	2433.1	2424.9	2436.4	2459.4	2473.3
37.5°	2906.8	2933.8	3005.3	3053.7	3049.6	3034.8	2896.9	2896.9	2904.3	2892.0	2890.3
40°	3110.3	3127.6	3273.7	3461.7	3620.1	3698.1	3588.9	3573.3	3581.5	3518.3	3520.8
42.5°	3215.4	3240.9	3451.0	3781.0	4095.4	4345.8	4312.1	4301.4	4276.8	4261.2	4251.4
45°	3268.8	3299.1	3549.5	4002.6	4460.7	4847.3	5021.3	5019.7	4997.5	4979.5	4971.3
47.5°	3241.7	3267.9	3534.7	4069.9	4652.8	5170.8	5555.7	5579.6	5573.0	5599.3	5609.9
50°	3064.4	3098.0	3365.6	3924.6	4572.3	5298.0	5926.0	5970.3	6030.2	6068.0	6118.1
52.5°	2904.3	2932.2	3173.5	3689.1	4308.0	5194.6	6149.2	6240.4	6322.5	6399.6	6459.5
55°	2736.8	2764.7	2976.5	3444.4	4041.2	4889.2	6251.0	6384.0	6512.1	6642.6	6762.4
57.5°	2673.6	2703.2	2860.8	3254.8	3822.9	4586.3	6301.1	6519.5	6728.0	6949.6	7179.5
60°	2837.8	2864.1	2983.9	3259.7	3656.2	4283.4	6200.1	6543.3	6902.0	7267.3	7620.3
62.5°	2787.7	2801.7	2951.1	3378.8	3868.8	3984.6	5762.6	6215.7	6737.0	7272.2	7813.2
65°	2405.2	2432.3	2544.7	2920.7	3749.8	3944.3	5096.1	5551.6	6166.5	6799.4	7524.2
67.5°	1725.5	1687.7	1774.8	2103.9	2909.2	3937.8	4345.8	4683.1	5165.0	5650.1	6244.5
70°	783.9	765.9	834.0	1094.2	1755.1	3112.0	3674.3	3788.4	3967.3	4294.0	4695.5
72.5°	309.5	308.7	353.0	452.3	829.9	2003.0	3089.8	3155.5	3218.7	3360.7	3533.9
75°	202.8	202.8	215.9	243.8	408.8	967.0	2613.7	2673.6	2770.5	2810.7	2884.6
77.5°	152.7	153.5	159.3	165.8	225.7	508.9	1844.5	2057.1	2221.3	2343.6	2433.1
80°	108.4	113.3	124.0	128.1	146.9	289.8	1042.5	1196.0	1381.5	1579.4	1828.1
82.5°	81.3	87.0	105.1	110.0	116.6	165.0	470.4	533.6	623.1	807.8	1161.6
85°	37.8	41.9	72.2	78.8	84.6	95.2	238.9	266.8	302.9	331.6	386.6
87.5°	5.7	4.1	12.3	17.2	27.1	27.9	82.1	97.7	105.9	127.2	132.2
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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CATALOG NUMBER: VST-E04-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2
2.5°	1361.0	1361.8	1362.7	1361.0	1361.8	1361.8	1360.2	1359.4	1359.4	1359.4	1360.2
5°	1387.3	1388.9	1387.3	1388.1	1391.4	1390.6	1388.9	1388.1	1391.4	1392.2	1389.8
7.5°	1434.1	1434.9	1431.6	1435.7	1437.4	1438.2	1438.2	1439.8	1439.8	1442.3	1439.8
10°	1494.0	1494.0	1499.8	1498.9	1499.8	1501.4	1502.2	1505.5	1508.0	1508.0	1509.6
12.5°	1563.0	1563.8	1569.5	1570.4	1573.6	1574.5	1579.4	1576.1	1584.3	1584.3	1586.8
15°	1634.4	1640.1	1640.9	1649.2	1650.8	1651.6	1658.2	1658.2	1663.9	1664.8	1666.4
17.5°	1705.0	1709.9	1713.2	1719.8	1725.5	1728.0	1730.4	1735.3	1739.5	1741.1	1745.2
20°	1765.7	1770.6	1773.9	1780.5	1785.4	1789.5	1792.0	1797.7	1801.8	1803.5	1809.2
22.5°	1816.6	1819.9	1825.6	1834.7	1836.3	1841.2	1848.6	1852.7	1854.4	1859.3	1865.9
25°	1870.8	1875.7	1879.0	1887.2	1893.8	1902.0	1908.6	1915.1	1916.8	1923.3	1929.1
27.5°	1943.0	1948.0	1948.8	1965.2	1971.8	1983.3	1990.6	2000.5	2005.4	2011.2	2022.7
30°	2049.7	2061.2	2066.2	2085.0	2088.3	2101.5	2114.6	2117.9	2125.3	2126.1	2145.0
32.5°	2213.1	2229.5	2236.1	2255.8	2260.7	2273.0	2280.4	2297.7	2298.5	2306.7	2310.8
35°	2480.7	2476.6	2502.1	2507.0	2521.8	2532.4	2539.8	2539.8	2555.4	2556.2	2561.2
37.5°	2846.0	2837.8	2844.4	2814.8	2822.2	2809.1	2806.6	2809.9	2803.3	2805.0	2804.1
40°	3430.5	3393.5	3355.0	3263.8	3244.1	3206.4	3176.8	3153.0	3130.0	3105.4	3089.0
42.5°	4163.5	4110.2	4052.7	3906.6	3838.5	3765.4	3694.0	3652.9	3570.8	3520.8	3493.7
45°	4931.9	4869.5	4789.0	4667.5	4570.7	4492.7	4362.2	4300.6	4173.4	4110.2	4024.8
47.5°	5561.5	5562.3	5497.5	5374.3	5270.9	5219.2	5137.9	5018.9	4874.4	4793.1	4641.3
50°	6112.3	6111.5	6107.4	6033.5	5961.3	5904.6	5833.2	5725.7	5607.5	5515.5	5341.5
52.5°	6519.5	6573.6	6596.6	6595.8	6586.8	6560.5	6506.3	6413.6	6293.7	6242.0	6103.3
55°	6856.0	6974.2	7035.8	7170.4	7182.7	7226.2	7178.6	7179.5	7108.9	7113.8	7069.5
57.5°	7365.8	7581.7	7705.6	8003.6	8153.0	8333.6	8301.6	8452.6	8507.6	8577.4	8670.2
60°	7944.5	8347.6	8641.4	9234.1	9475.5	9767.7	9928.6	10100.2	10224.9	10353.0	10447.4
62.5°	8358.2	8887.7	9370.4	10215.1	10528.7	10836.5	11039.3	11246.9	11387.3	11479.2	11547.4
65°	8189.1	8774.4	9344.9	10230.7	10572.2	10795.5	11036.8	11156.6	11297.0	11373.4	11471.0
67.5°	6958.6	7545.6	8157.1	9202.1	9559.2	9867.9	10055.8	10211.0	10324.3	10421.1	10533.6
70°	5174.9	5816.8	6448.9	7594.8	8045.5	8491.2	8712.9	8905.0	9023.2	9120.8	9244.8
72.5°	3724.4	4126.6	4521.4	5804.5	6255.1	6831.4	7061.2	7274.7	7428.2	7423.3	7554.6
75°	2965.0	3128.4	3304.1	3966.5	4289.9	4775.9	4904.8	5024.6	4952.4	4813.7	4805.5
77.5°	2468.4	2535.7	2594.8	2802.5	2850.1	2965.9	2901.8	2835.3	2621.1	2440.5	2345.3
80°	2003.8	2136.8	2223.8	2371.5	2432.3	2466.8	2475.8	2452.8	2374.0	2264.8	2090.8
82.5°	1489.9	1742.7	1915.1	2205.7	2312.4	2334.6	2377.3	2351.0	2299.3	2210.6	2085.9
85°	436.7	494.2	566.4	768.3	900.5	1013.0	1127.9	1184.5	1219.8	1170.6	1041.7
87.5°	153.5	173.2	193.7	266.8	284.0	343.1	336.6	397.3	399.8	417.0	398.9
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2
2.5°	1359.4	1359.4	1359.4	1360.2	1360.2	1360.2	1358.6	1357.7	1358.6	1360.2	1360.2
5°	1391.4	1392.2	1393.9	1390.6	1391.4	1393.9	1392.2	1391.4	1392.2	1393.9	1392.2
7.5°	1443.1	1443.9	1442.3	1445.6	1445.6	1447.2	1449.7	1447.2	1448.0	1448.9	1449.7
10°	1510.4	1511.2	1512.9	1515.4	1516.2	1517.8	1519.5	1521.9	1521.9	1520.3	1524.4
12.5°	1590.9	1590.1	1591.7	1595.0	1596.6	1599.1	1604.0	1604.0	1607.3	1606.5	1610.6
15°	1669.7	1673.8	1674.6	1680.4	1682.8	1686.9	1692.7	1695.9	1695.9	1700.9	1702.5
17.5°	1748.5	1751.8	1755.1	1760.0	1763.3	1765.7	1772.3	1776.4	1775.6	1784.6	1784.6
20°	1809.2	1815.8	1819.9	1823.2	1828.9	1833.0	1838.0	1842.9	1846.2	1851.9	1853.6
22.5°	1868.3	1872.4	1878.2	1882.3	1888.9	1893.8	1899.5	1903.6	1909.4	1916.8	1919.2
25°	1934.0	1940.6	1947.1	1952.9	1957.8	1963.6	1973.4	1982.4	1990.6	1997.2	1999.7
27.5°	2025.1	2032.5	2042.4	2046.5	2053.9	2058.8	2073.6	2085.0	2089.2	2100.6	2103.9
30°	2148.3	2156.5	2166.3	2171.2	2184.4	2190.9	2206.5	2218.9	2223.0	2236.9	2239.4
32.5°	2326.4	2331.3	2351.0	2350.2	2368.3	2387.1	2396.2	2406.0	2424.1	2431.5	2433.9
35°	2573.5	2585.0	2598.9	2598.1	2621.1	2631.8	2649.8	2660.5	2673.6	2672.8	2686.8
37.5°	2812.3	2816.5	2821.4	2832.1	2848.5	2863.2	2869.8	2880.5	2890.3	2905.1	2923.2
40°	3072.6	3082.4	3083.2	3089.0	3097.2	3116.1	3128.4	3139.9	3173.5	3194.9	3205.6
42.5°	3462.5	3460.0	3443.6	3454.3	3459.2	3487.9	3497.0	3532.3	3570.0	3615.2	3627.5
45°	3964.1	3931.2	3921.4	3917.3	3943.5	3958.3	3995.2	4060.9	4100.3	4143.0	4163.5
47.5°	4581.4	4478.7	4430.3	4419.6	4446.7	4509.9	4522.3	4587.1	4638.8	4670.0	4690.5
50°	5199.5	5119.0	5017.2	4982.8	4975.4	5033.7	5047.6	5101.8	5154.3	5163.4	5152.7
52.5°	5976.0	5844.7	5676.4	5615.7	5567.2	5571.3	5582.8	5605.8	5639.5	5625.5	5596.8
55°	6969.3	6819.9	6737.0	6622.1	6549.0	6535.9	6485.8	6416.9	6414.4	6423.4	6337.2
57.5°	8623.4	8561.0	8596.3	8584.0	8511.7	8555.3	8329.5	8265.5	8214.6	8125.9	8046.3
60°	10531.1	10595.2	10668.2	10836.5	10829.1	10998.2	10841.4	10802.0	10754.4	10481.1	10347.2
62.5°	11666.4	11691.9	11799.4	11956.2	12110.5	12272.2	12345.3	12370.7	12271.4	12048.1	11769.0
65°	11468.6	11581.0	11685.3	11820.7	11979.2	12140.9	12295.2	12385.5	12362.5	12214.8	11907.7
67.5°	10569.7	10687.9	10840.6	10982.6	11153.4	11293.7	11462.8	11628.6	11633.6	11559.7	11346.3
70°	9257.9	9395.0	9552.6	9632.3	9817.0	9944.2	10084.6	10248.7	10302.1	10311.1	10062.4
72.5°	7526.7	7584.2	7661.3	7619.4	7656.4	7737.7	7699.9	7713.0	7510.3	7548.0	7241.0
75°	4583.8	4531.3	4298.2	4085.5	3826.1	3626.7	3674.3	3293.4	2918.2	2899.4	2628.5
77.5°	2324.7	2241.0	2096.5	1946.3	1726.3	1474.3	1264.2	1037.6	846.3	737.2	632.9
80°	1980.0	1920.9	1841.2	1732.1	1572.0	1385.7	1166.5	994.1	834.0	667.4	534.4
82.5°	1894.6	1714.0	1598.3	1507.1	1333.9	1161.6	1041.7	923.5	810.2	707.6	560.7
85°	939.9	831.6	703.5	623.9	480.2	376.0	352.2	289.8	270.1	208.5	175.7
87.5°	316.0	258.6	192.9	162.5	129.7	105.9	104.3	92.8	91.9	83.7	77.2
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2
2.5°	1359.4	1361.0	1361.0	1359.4	1360.2	1358.6	1359.4	1360.2	1357.7	1356.9	1354.5
5°	1393.0	1392.2	1392.2	1393.0	1395.5	1396.3	1392.2	1393.9	1394.7	1390.6	1381.5
7.5°	1448.9	1448.9	1451.3	1450.5	1455.4	1453.8	1453.0	1453.0	1453.0	1444.8	1430.0
10°	1524.4	1524.4	1526.8	1530.1	1530.9	1529.3	1529.3	1530.1	1534.2	1517.8	1494.8
12.5°	1608.9	1613.0	1612.2	1612.2	1622.1	1619.6	1616.3	1619.6	1623.7	1600.7	1567.9
15°	1703.3	1705.8	1707.4	1713.2	1711.5	1717.3	1718.9	1717.3	1721.4	1691.8	1636.8
17.5°	1788.7	1793.6	1795.3	1801.8	1801.8	1802.7	1809.2	1806.8	1807.6	1773.9	1695.1
20°	1859.3	1864.2	1866.7	1874.1	1875.7	1879.0	1881.5	1883.1	1887.2	1847.0	1742.7
22.5°	1929.9	1934.0	1938.1	1943.0	1949.6	1953.7	1957.0	1958.6	1966.0	1919.2	1787.9
25°	2008.7	2017.7	2021.8	2030.0	2036.6	2043.2	2048.1	2048.9	2061.2	2003.0	1824.8
27.5°	2113.8	2126.1	2132.7	2145.8	2152.4	2158.9	2157.3	2167.1	2184.4	2099.0	1853.6
30°	2251.7	2267.3	2271.4	2284.5	2295.2	2301.8	2309.1	2317.4	2328.8	2205.7	1867.5
32.5°	2443.8	2467.6	2473.3	2480.7	2496.3	2507.8	2512.7	2525.9	2529.1	2306.7	1863.4
35°	2707.3	2696.6	2724.5	2731.1	2753.2	2762.3	2768.0	2785.3	2772.1	2416.7	1836.3
37.5°	2945.3	2942.0	2969.1	2983.9	3012.6	3006.1	3020.0	3031.5	2984.7	2494.7	1786.2
40°	3235.9	3231.8	3269.6	3274.5	3318.8	3309.0	3314.7	3323.8	3219.5	2548.8	1695.1
42.5°	3641.4	3643.1	3683.3	3688.2	3694.0	3712.0	3682.5	3684.1	3469.1	2563.6	1544.9
45°	4175.8	4204.6	4179.9	4180.8	4179.1	4144.6	4107.7	4064.2	3728.5	2512.7	1351.2
47.5°	4693.8	4674.1	4642.9	4614.2	4590.4	4536.2	4482.0	4408.1	3952.6	2392.1	1135.3
50°	5137.1	5092.8	5064.9	4985.2	4928.6	4858.0	4782.5	4697.9	4136.4	2218.0	933.3
52.5°	5549.2	5503.2	5399.0	5316.0	5234.8	5141.2	5053.4	4954.0	4299.0	2019.4	779.0
55°	6233.8	6193.6	6089.3	5937.5	5837.3	5708.4	5592.7	5458.1	4628.1	1858.5	677.2
57.5°	7827.1	7792.7	7573.5	7477.4	7345.3	7021.8	6974.2	6764.1	5510.6	1839.6	617.3
60°	10070.6	9922.9	9740.6	9477.9	9168.5	9061.7	8823.7	8543.8	6930.7	1891.3	568.9
62.5°	11448.1	11111.5	10843.9	10541.0	10256.1	10011.5	9751.3	9474.6	7657.2	1823.2	508.9
65°	11551.5	11155.8	10802.0	10446.6	10126.4	9821.9	9569.0	9292.4	7420.8	1567.1	431.0
67.5°	10981.8	10564.8	10179.0	9775.9	9452.5	9177.5	8855.7	8589.7	6754.2	1219.8	358.7
70°	9807.1	9441.0	9108.5	8674.3	8405.9	8070.9	7866.5	7534.1	5887.4	831.6	296.3
72.5°	7063.7	6787.9	6679.5	6376.6	6025.3	5828.3	5733.9	5411.3	4350.7	516.3	242.2
75°	2386.3	2454.4	2298.5	2059.6	2176.2	1996.4	2069.4	1915.9	1840.4	296.3	203.6
77.5°	529.5	497.5	459.7	426.9	424.4	398.9	422.8	399.8	427.7	188.8	179.8
80°	417.8	330.0	280.7	256.1	243.0	235.6	229.8	223.3	203.6	160.9	165.8
82.5°	451.5	340.7	249.5	199.5	170.7	160.1	157.6	151.0	149.4	156.0	167.5
85°	144.5	120.7	102.6	96.9	89.5	85.4	83.7	81.3	98.5	169.9	160.9
87.5°	75.5	66.5	59.1	56.6	49.3	46.0	45.1	46.0	69.0	169.9	116.6
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):

	125°	135°	145°	155°	165°	175°	180°
0°	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2
2.5°	1352.0	1351.2	1349.5	1348.7	1347.9	1343.8	1347.1
5°	1377.4	1369.2	1361.8	1352.8	1347.9	1343.8	1343.8
7.5°	1416.0	1393.0	1374.2	1353.6	1339.7	1329.0	1327.4
10°	1464.5	1420.1	1376.6	1339.7	1313.4	1293.7	1291.3
12.5°	1510.4	1443.1	1374.2	1313.4	1272.4	1244.5	1242.8
15°	1553.1	1455.4	1355.3	1265.8	1204.2	1167.3	1163.2
17.5°	1586.8	1448.0	1312.6	1199.3	1115.6	1072.1	1069.6
20°	1594.2	1418.5	1251.8	1117.2	1028.6	982.6	971.9
22.5°	1587.6	1365.1	1176.3	1026.9	925.1	879.2	873.4
25°	1567.9	1300.3	1082.7	921.9	827.5	780.7	769.2
27.5°	1532.6	1223.9	981.8	820.1	726.5	681.3	669.8
30°	1480.1	1132.0	874.2	724.8	628.0	591.9	580.4
32.5°	1407.0	1020.4	768.3	627.2	546.7	518.0	513.1
35°	1306.0	892.3	657.5	546.7	487.6	470.4	467.9
37.5°	1177.1	764.2	564.8	489.2	446.6	435.9	434.2
40°	1008.9	632.9	499.1	448.2	417.0	408.0	406.3
42.5°	835.7	534.4	450.7	415.4	389.9	381.7	379.2
45°	683.8	467.9	414.5	388.3	364.5	355.4	354.6
47.5°	570.5	429.3	385.0	363.7	339.8	329.2	330.0
50°	487.6	394.0	360.4	342.3	315.2	305.4	306.2
52.5°	431.0	358.7	337.4	316.9	293.9	284.0	284.0
55°	386.6	330.0	315.2	293.1	275.0	266.0	265.1
57.5°	350.5	307.0	293.9	275.8	257.8	247.1	247.1
60°	328.4	290.6	279.9	263.5	242.2	230.7	229.8
62.5°	315.2	285.7	276.6	253.7	229.8	218.4	215.9
65°	305.4	297.2	285.7	247.9	220.0	207.7	205.2
67.5°	306.2	324.2	307.8	251.2	216.7	198.7	195.4
70°	311.1	345.6	323.4	258.6	230.7	194.5	187.2
72.5°	286.5	312.8	291.4	246.3	224.9	187.2	178.1
75°	238.9	228.2	209.3	200.3	201.9	169.9	166.6
77.5°	193.7	169.9	151.9	159.3	169.9	145.3	142.0
80°	168.3	137.9	128.9	141.2	154.3	124.0	115.7
82.5°	157.6	116.6	110.8	146.9	161.7	106.7	93.6
85°	138.7	95.2	87.0	173.2	161.7	80.4	74.7
87.5°	92.8	56.6	54.2	127.2	110.8	55.8	45.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)