

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: P158218

Luminaire Tested: **VST-E04-LED-E-U-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158218
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-SL2-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10157.5 lumens
Efficiency: N/A
Efficacy: 104.5 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



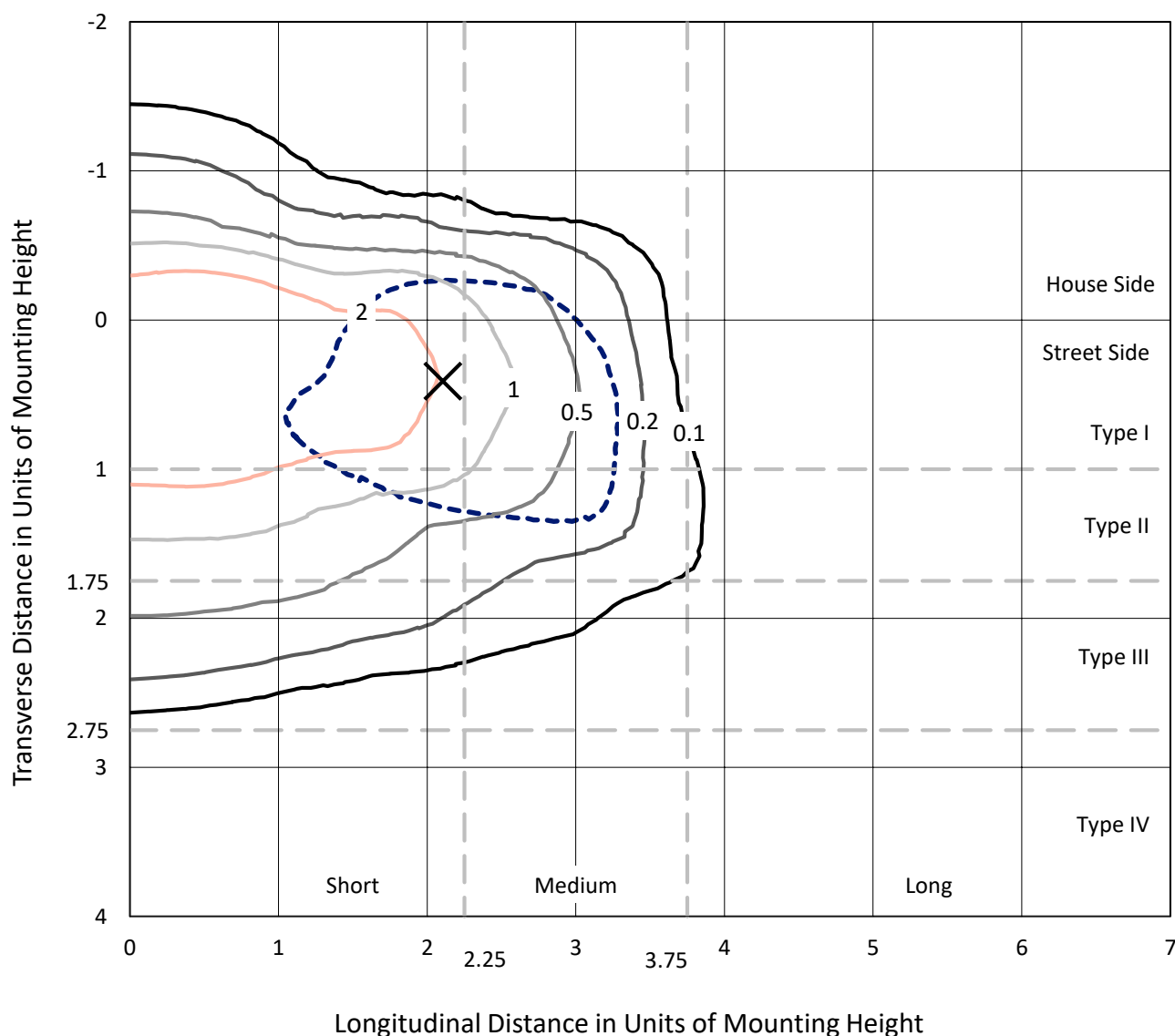
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

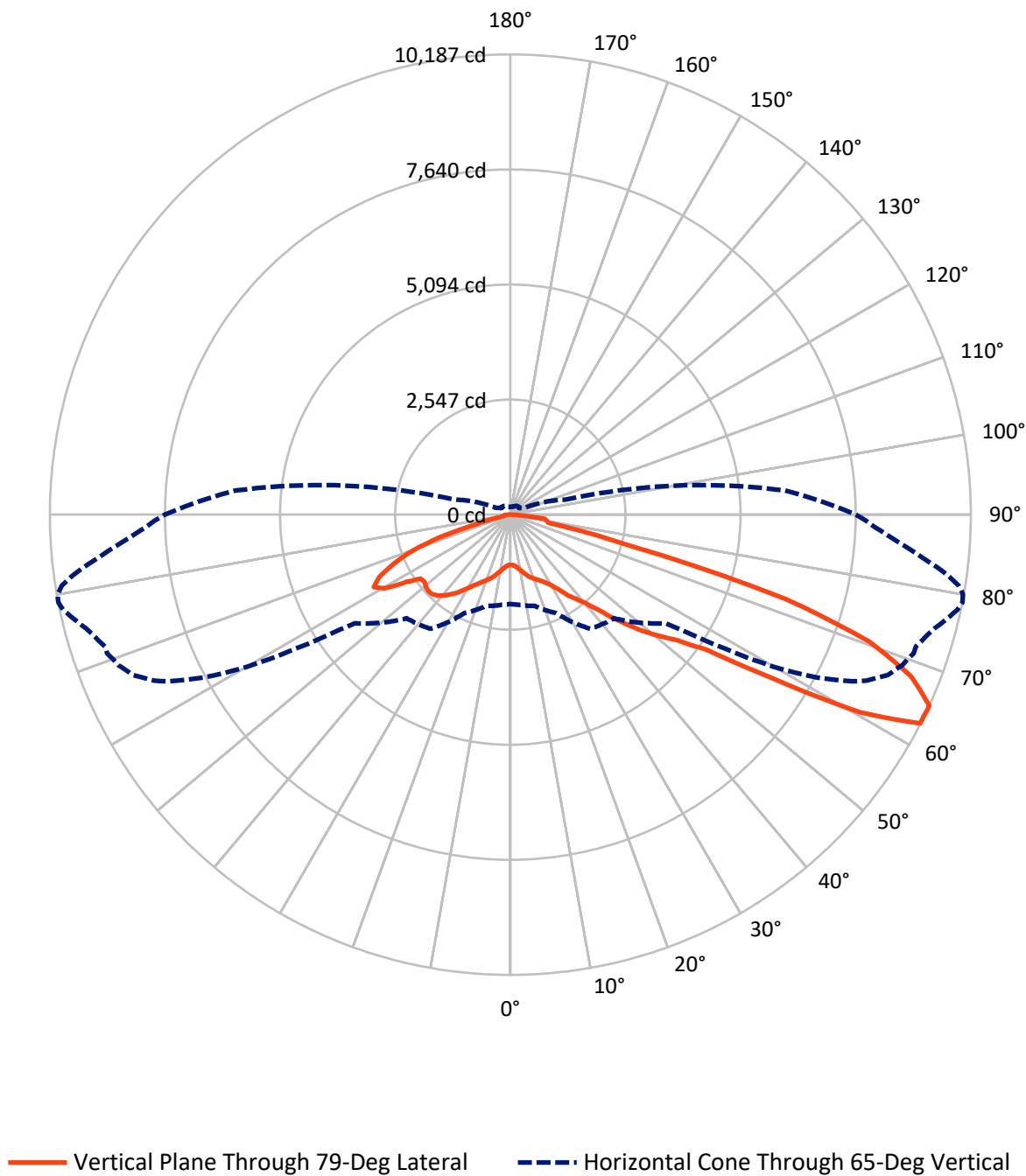


Based on 20 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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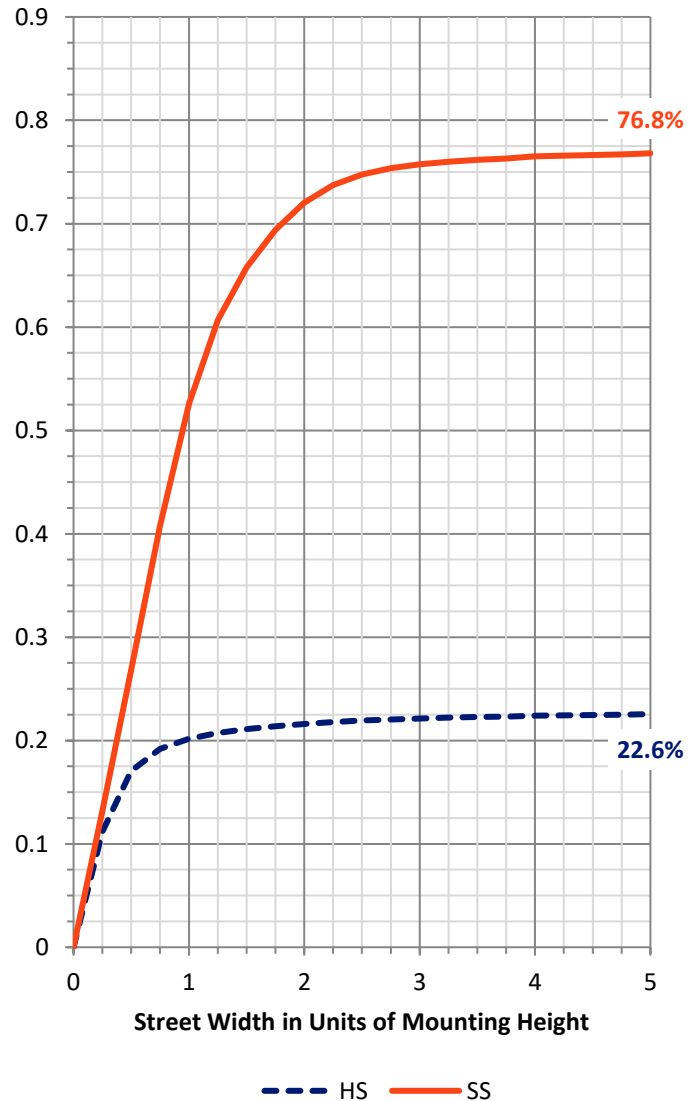
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2334.0	0.0	2334.0
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	7823.5	0.0	7823.5
	% Fixture	77.0	0.0	77.0
Total	Lumens	10157.5	0.0	10157.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	1.1
10°-20°	357.1	3.5
20°-30°	615.6	6.1
30°-40°	1008.4	9.9
40°-50°	1688.7	16.6
50°-60°	2284.2	22.5
60°-70°	2813.0	27.7
70°-80°	1088.9	10.7
80°-90°	191.5	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°	10157.5	100.0
0°-180°	10157.5	100.0

Coefficient of Utilization



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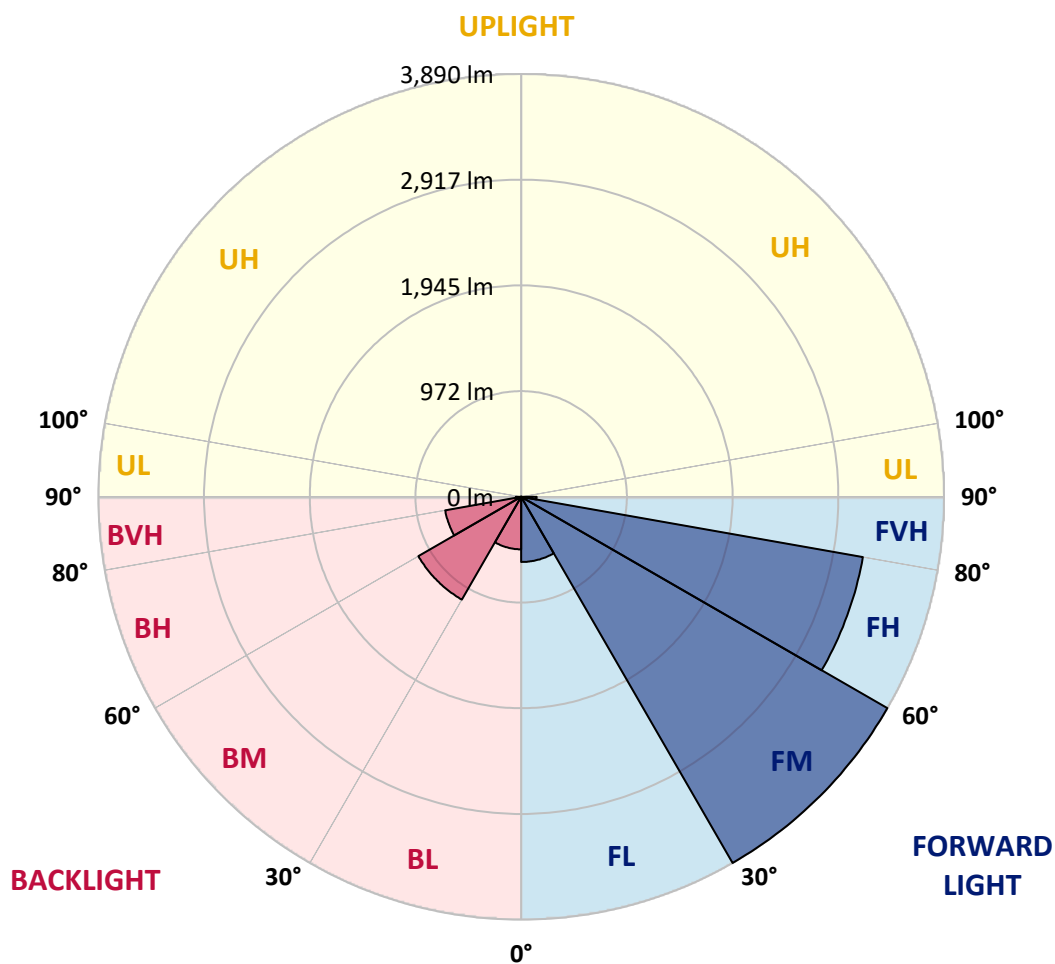
CATALOG NUMBER: VST-E04-LED-E-U-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	599.7	5.9			
FM	(30°-60°)	3889.9	38.3			
FH	(60°-80°)	3191.8	31.4			G2/5000
FVH	(80°-90°)	142.1	1.4			G2/225
BL	(0°-30°)	483.0	4.8	B1/500		
BM	(30°-60°)	1091.5	10.7	B2/2500		
BH	(60°-80°)	710.1	7.0	B2/1000		G2/1000
BVH	(80°-90°)	49.4	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°	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4
2.5°	1113.4	1110.0	1113.4	1116.1	1118.1	1120.8	1120.1	1119.5	1118.8	1119.5	1119.5
5°	1122.8	1122.2	1125.5	1128.2	1133.0	1136.3	1140.4	1140.4	1140.4	1139.7	1141.1
7.5°	1153.2	1152.6	1155.9	1158.6	1162.7	1169.4	1174.8	1177.5	1176.9	1176.9	1176.9
10°	1203.2	1200.5	1200.5	1200.5	1205.9	1210.6	1222.8	1224.1	1226.8	1225.5	1226.2
12.5°	1251.8	1252.5	1250.5	1248.4	1249.1	1258.6	1276.1	1279.5	1280.2	1282.2	1283.5
15°	1295.7	1295.0	1290.3	1285.6	1291.6	1307.8	1330.8	1336.9	1336.9	1340.9	1343.6
17.5°	1336.2	1334.9	1326.1	1318.0	1324.1	1351.7	1387.5	1391.6	1397.6	1399.7	1402.4
20°	1384.1	1381.4	1371.3	1349.7	1349.7	1387.5	1434.8	1438.8	1444.2	1445.6	1450.3
22.5°	1451.0	1444.2	1422.6	1383.5	1372.7	1416.6	1474.6	1476.6	1480.7	1486.1	1490.2
25°	1526.6	1528.0	1492.9	1424.7	1401.0	1446.9	1513.1	1516.5	1523.9	1528.0	1532.7
27.5°	1604.9	1607.0	1567.8	1482.7	1442.9	1488.8	1565.1	1569.1	1577.9	1582.7	1590.1
30°	1694.1	1696.8	1658.9	1573.2	1512.4	1550.2	1642.1	1652.9	1660.3	1666.4	1678.5
32.5°	1908.1	1891.9	1865.6	1774.4	1678.5	1675.8	1766.3	1778.5	1788.6	1801.4	1812.9
35°	2177.5	2187.6	2201.1	2139.7	2055.3	1993.8	2001.3	1994.5	2004.0	2022.9	2034.4
37.5°	2390.9	2413.1	2471.9	2511.7	2508.3	2496.2	2382.8	2382.8	2388.8	2378.7	2377.4
40°	2558.3	2572.5	2692.7	2847.3	2977.6	3041.7	2951.9	2939.1	2945.9	2893.9	2895.9
42.5°	2644.7	2665.7	2838.5	3109.9	3368.5	3574.5	3546.8	3538.0	3517.8	3504.9	3496.8
45°	2688.6	2713.6	2919.5	3292.2	3669.0	3987.0	4130.2	4128.8	4110.6	4095.7	4089.0
47.5°	2666.3	2687.9	2907.4	3347.6	3827.0	4253.0	4569.7	4589.3	4583.9	4605.5	4614.3
50°	2520.5	2548.2	2768.3	3228.1	3760.8	4357.7	4874.2	4910.7	4960.0	4991.0	5032.2
52.5°	2388.8	2411.8	2610.3	3034.3	3543.4	4272.6	5057.9	5132.8	5200.3	5263.8	5313.1
55°	2251.1	2274.0	2448.2	2833.1	3324.0	4021.4	5141.6	5251.0	5356.3	5463.7	5562.2
57.5°	2199.1	2223.4	2353.0	2677.1	3144.4	3772.3	5182.8	5362.4	5533.9	5716.2	5905.2
60°	2334.1	2355.7	2454.3	2681.2	3007.3	3523.2	5099.7	5382.0	5677.0	5977.5	6267.8
62.5°	2293.0	2304.4	2427.3	2779.1	3182.2	3277.4	4739.9	5112.6	5541.3	5981.5	6426.5
65°	1978.3	2000.6	2093.1	2402.3	3084.3	3244.3	4191.6	4566.3	5072.0	5592.6	6188.8
67.5°	1419.3	1388.2	1459.8	1730.5	2392.9	3238.9	3574.5	3852.0	4248.3	4647.4	5136.2
70°	644.8	630.0	686.0	900.0	1443.6	2559.7	3022.2	3116.0	3263.2	3531.9	3862.1
72.5°	254.5	253.9	290.3	372.0	682.6	1647.5	2541.4	2595.4	2647.4	2764.2	2906.7
75°	166.8	166.8	177.6	200.5	336.2	795.4	2149.8	2199.1	2278.8	2311.9	2372.6
77.5°	125.6	126.3	131.0	136.4	185.7	418.6	1517.2	1692.0	1827.1	1927.7	2001.3
80°	89.1	93.2	102.0	105.3	120.9	238.3	857.5	983.8	1136.3	1299.1	1503.7
82.5°	66.8	71.6	86.4	90.5	95.9	135.7	386.9	438.9	512.5	664.4	955.4
85°	31.1	34.4	59.4	64.8	69.5	78.3	196.5	219.4	249.1	272.8	318.0
87.5°	4.7	3.4	10.1	14.2	22.3	23.0	67.5	80.3	87.1	104.7	108.7
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-SL2-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4
2.5°	1119.5	1120.1	1120.8	1119.5	1120.1	1120.1	1118.8	1118.1	1118.1	1118.1	1118.8
5°	1141.1	1142.4	1141.1	1141.8	1144.5	1143.8	1142.4	1141.8	1144.5	1145.1	1143.1
7.5°	1179.6	1180.2	1177.5	1180.9	1182.3	1182.9	1182.9	1184.3	1184.3	1186.3	1184.3
10°	1228.9	1228.9	1233.6	1232.9	1233.6	1234.9	1235.6	1238.3	1240.3	1240.3	1241.7
12.5°	1285.6	1286.2	1291.0	1291.6	1294.3	1295.0	1299.1	1296.4	1303.1	1303.1	1305.1
15°	1344.3	1349.0	1349.7	1356.5	1357.8	1358.5	1363.9	1363.9	1368.6	1369.3	1370.6
17.5°	1402.4	1406.4	1409.1	1414.5	1419.3	1421.3	1423.3	1427.4	1430.7	1432.1	1435.5
20°	1452.3	1456.4	1459.1	1464.5	1468.5	1471.9	1473.9	1478.7	1482.0	1483.4	1488.1
22.5°	1494.2	1496.9	1501.6	1509.1	1510.4	1514.5	1520.5	1523.9	1525.3	1529.3	1534.7
25°	1538.8	1542.8	1545.5	1552.3	1557.7	1564.4	1569.8	1575.2	1576.6	1582.0	1586.7
27.5°	1598.2	1602.2	1602.9	1616.4	1621.8	1631.3	1637.3	1645.4	1649.5	1654.2	1663.7
30°	1686.0	1695.4	1699.5	1715.0	1717.7	1728.5	1739.3	1742.0	1748.1	1748.7	1764.3
32.5°	1820.3	1833.8	1839.2	1855.4	1859.5	1869.6	1875.7	1889.9	1890.5	1897.3	1900.7
35°	2040.4	2037.1	2058.0	2062.0	2074.2	2083.0	2089.0	2089.0	2101.9	2102.6	2106.6
37.5°	2340.9	2334.1	2339.5	2315.2	2321.3	2310.5	2308.5	2311.2	2305.8	2307.1	2306.5
40°	2821.6	2791.2	2759.5	2684.6	2668.4	2637.3	2613.0	2593.4	2574.5	2554.3	2540.8
42.5°	3424.6	3380.7	3333.4	3213.2	3157.2	3097.1	3038.4	3004.6	2937.1	2895.9	2873.6
45°	4056.6	4005.2	3939.1	3839.1	3759.5	3695.3	3588.0	3537.3	3432.7	3380.7	3310.5
47.5°	4574.4	4575.1	4521.8	4420.5	4335.4	4292.9	4226.0	4128.1	4009.3	3942.5	3817.5
50°	5027.5	5026.8	5023.4	4962.7	4903.2	4856.7	4797.9	4709.5	4612.2	4536.6	4393.5
52.5°	5362.4	5406.9	5425.8	5425.2	5417.7	5396.1	5351.6	5275.3	5176.7	5134.2	5020.1
55°	5639.2	5736.4	5787.1	5897.8	5907.9	5943.7	5904.6	5905.2	5847.2	5851.2	5814.8
57.5°	6058.5	6236.1	6338.0	6583.1	6706.0	6854.6	6828.2	6952.5	6997.7	7055.1	7131.4
60°	6534.5	6866.0	7107.8	7595.2	7793.7	8034.1	8166.5	8307.6	8410.2	8515.5	8593.2
62.5°	6874.8	7310.3	7707.3	8402.1	8660.0	8913.2	9080.0	9250.8	9366.3	9441.9	9497.9
65°	6735.7	7217.1	7686.4	8414.9	8695.8	8879.5	9078.0	9176.5	9292.0	9354.8	9435.1
67.5°	5723.6	6206.4	6709.4	7568.9	7862.6	8116.5	8271.1	8398.7	8491.9	8571.6	8664.1
70°	4256.4	4784.4	5304.3	6246.9	6617.6	6984.2	7166.5	7324.5	7421.7	7502.1	7604.0
72.5°	3063.3	3394.2	3719.0	4774.3	5145.0	5619.0	5808.0	5983.6	6109.8	6105.8	6213.8
75°	2438.8	2573.2	2717.7	3262.5	3528.6	3928.3	4034.3	4132.9	4073.4	3959.3	3952.6
77.5°	2030.3	2085.7	2134.3	2305.1	2344.3	2439.5	2386.8	2332.1	2155.9	2007.3	1929.0
80°	1648.1	1757.5	1829.1	1950.6	2000.6	2029.0	2036.4	2017.5	1952.7	1862.9	1719.7
82.5°	1225.5	1433.4	1575.2	1814.2	1902.0	1920.2	1955.4	1933.8	1891.2	1818.3	1715.7
85°	359.2	406.5	465.9	632.0	740.7	833.2	927.7	974.3	1003.3	962.8	856.8
87.5°	126.3	142.5	159.3	219.4	233.6	282.2	276.8	326.8	328.8	343.0	328.1
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°	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4
2.5°	1118.1	1118.1	1118.1	1118.8	1118.8	1118.8	1117.4	1116.8	1117.4	1118.8	1118.8
5°	1144.5	1145.1	1146.5	1143.8	1144.5	1146.5	1145.1	1144.5	1145.1	1146.5	1145.1
7.5°	1187.0	1187.7	1186.3	1189.0	1189.0	1190.4	1192.4	1190.4	1191.0	1191.7	1192.4
10°	1242.4	1243.0	1244.4	1246.4	1247.1	1248.4	1249.8	1251.8	1251.8	1250.5	1253.8
12.5°	1308.5	1307.8	1309.2	1311.9	1313.2	1315.3	1319.3	1319.3	1322.0	1321.4	1324.7
15°	1373.3	1376.7	1377.4	1382.1	1384.1	1387.5	1392.2	1394.9	1394.9	1399.0	1400.3
17.5°	1438.2	1440.9	1443.6	1447.6	1450.3	1452.3	1457.7	1461.1	1460.4	1467.9	1467.9
20°	1488.1	1493.5	1496.9	1499.6	1504.3	1507.7	1511.8	1515.8	1518.5	1523.2	1524.6
22.5°	1536.7	1540.1	1544.8	1548.2	1553.6	1557.7	1562.4	1565.8	1570.5	1576.6	1578.6
25°	1590.8	1596.2	1601.6	1606.3	1610.3	1615.1	1623.2	1630.6	1637.3	1642.7	1644.8
27.5°	1665.7	1671.8	1679.9	1683.3	1689.3	1693.4	1705.5	1715.0	1718.4	1727.8	1730.5
30°	1767.0	1773.7	1781.8	1785.9	1796.7	1802.1	1814.9	1825.0	1828.4	1839.9	1841.9
32.5°	1913.5	1917.5	1933.8	1933.1	1947.9	1963.5	1970.9	1979.0	1993.8	1999.9	2001.9
35°	2116.7	2126.2	2137.7	2137.0	2155.9	2164.7	2179.5	2188.3	2199.1	2198.4	2209.9
37.5°	2313.2	2316.6	2320.6	2329.4	2342.9	2355.1	2360.5	2369.3	2377.4	2389.5	2404.4
40°	2527.2	2535.3	2536.0	2540.8	2547.5	2563.0	2573.2	2582.6	2610.3	2627.9	2636.6
42.5°	2848.0	2845.9	2832.4	2841.2	2845.3	2868.9	2876.3	2905.4	2936.4	2973.5	2983.7
45°	3260.5	3233.5	3225.4	3222.0	3243.6	3255.8	3286.2	3340.2	3372.6	3407.7	3424.6
47.5°	3768.3	3683.9	3644.0	3635.2	3657.5	3709.5	3719.6	3773.0	3815.5	3841.2	3858.1
50°	4276.7	4210.5	4126.8	4098.4	4092.3	4140.3	4151.8	4196.3	4239.5	4247.0	4238.2
52.5°	4915.4	4807.4	4669.0	4619.0	4579.2	4582.5	4592.0	4610.9	4638.6	4627.1	4603.5
55°	5732.4	5609.5	5541.3	5446.8	5386.7	5375.9	5334.7	5278.0	5276.0	5283.4	5212.5
57.5°	7092.9	7041.6	7070.6	7060.5	7001.1	7036.9	6851.2	6798.5	6756.7	6683.7	6618.2
60°	8662.0	8714.7	8774.8	8913.2	8907.1	9046.2	8917.3	8884.9	8845.7	8620.9	8510.8
62.5°	9595.8	9616.8	9705.2	9834.2	9961.1	10094.1	10154.2	10175.2	10093.5	9909.8	9680.2
65°	9433.1	9525.6	9611.4	9722.8	9853.1	9986.1	10113.0	10187.3	10168.4	10046.9	9794.3
67.5°	8693.8	8791.0	8916.6	9033.4	9173.8	9289.3	9428.4	9564.8	9568.8	9508.1	9332.5
70°	7614.8	7727.6	7857.2	7922.7	8074.6	8179.3	8294.7	8429.8	8473.7	8481.1	8276.5
72.5°	6190.8	6238.1	6301.6	6267.1	6297.5	6364.4	6333.3	6344.1	6177.3	6208.4	5955.9
75°	3770.3	3727.1	3535.3	3360.4	3147.1	2983.0	3022.2	2708.9	2400.3	2384.8	2162.0
77.5°	1912.1	1843.3	1724.4	1600.9	1419.9	1212.6	1039.8	853.4	696.1	606.3	520.6
80°	1628.6	1580.0	1514.5	1424.7	1293.0	1139.7	959.4	817.7	686.0	548.9	439.6
82.5°	1558.3	1409.8	1314.6	1239.7	1097.2	955.4	856.8	759.6	666.4	582.0	461.2
85°	773.1	684.0	578.6	513.1	395.0	309.2	289.7	238.3	222.1	171.5	144.5
87.5°	259.9	212.7	158.7	133.7	106.7	87.1	85.7	76.3	75.6	68.9	63.5
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°	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4
2.5°	1118.1	1119.5	1119.5	1118.1	1118.8	1117.4	1118.1	1118.8	1116.8	1116.1	1114.1
5°	1145.8	1145.1	1145.1	1145.8	1147.8	1148.5	1145.1	1146.5	1147.2	1143.8	1136.3
7.5°	1191.7	1191.7	1193.7	1193.1	1197.1	1195.8	1195.1	1195.1	1195.1	1188.3	1176.2
10°	1253.8	1253.8	1255.9	1258.6	1259.2	1257.9	1257.9	1258.6	1261.9	1248.4	1229.5
12.5°	1323.4	1326.8	1326.1	1326.1	1334.2	1332.2	1329.5	1332.2	1335.5	1316.6	1289.6
15°	1401.0	1403.1	1404.4	1409.1	1407.8	1412.5	1413.9	1412.5	1415.9	1391.6	1346.3
17.5°	1471.2	1475.3	1476.6	1482.0	1482.0	1482.7	1488.1	1486.1	1486.8	1459.1	1394.3
20°	1529.3	1533.4	1535.4	1541.5	1542.8	1545.5	1547.5	1548.9	1552.3	1519.2	1433.4
22.5°	1587.4	1590.8	1594.1	1598.2	1603.6	1607.0	1609.7	1611.0	1617.1	1578.6	1470.6
25°	1652.2	1659.6	1663.0	1669.8	1675.2	1680.6	1684.6	1685.3	1695.4	1647.5	1501.0
27.5°	1738.6	1748.7	1754.2	1765.0	1770.4	1775.8	1774.4	1782.5	1796.7	1726.5	1524.6
30°	1852.1	1864.9	1868.3	1879.1	1887.8	1893.2	1899.3	1906.1	1915.5	1814.2	1536.1
32.5°	2010.0	2029.6	2034.4	2040.4	2053.3	2062.7	2066.8	2077.6	2080.3	1897.3	1532.7
35°	2226.8	2218.0	2241.0	2246.4	2264.6	2272.0	2276.7	2290.9	2280.1	1987.8	1510.4
37.5°	2422.6	2419.9	2442.2	2454.3	2478.0	2472.6	2484.0	2493.5	2455.0	2051.9	1469.2
40°	2661.6	2658.2	2689.3	2693.3	2729.8	2721.7	2726.4	2733.9	2648.1	2096.5	1394.3
42.5°	2995.2	2996.5	3029.6	3033.6	3038.4	3053.2	3028.9	3030.3	2853.4	2108.6	1270.7
45°	3434.7	3458.3	3438.1	3438.8	3437.4	3409.0	3378.7	3342.9	3066.7	2066.8	1111.4
47.5°	3860.8	3844.5	3818.9	3795.3	3775.7	3731.1	3686.6	3625.8	3251.1	1967.5	933.8
50°	4225.4	4188.9	4165.9	4100.4	4053.9	3995.8	3933.7	3864.1	3402.3	1824.4	767.7
52.5°	4564.3	4526.5	4440.7	4372.5	4305.7	4228.7	4156.5	4074.8	3536.0	1661.0	640.8
55°	5127.4	5094.3	5008.6	4883.7	4801.3	4695.3	4600.1	4489.4	3806.7	1528.6	557.0
57.5°	6438.0	6409.6	6229.3	6150.3	6041.6	5775.6	5736.4	5563.6	4532.6	1513.1	507.7
60°	8283.3	8161.7	8011.8	7795.8	7541.2	7453.5	7257.6	7027.4	5700.7	1555.6	467.9
62.5°	9416.2	9139.4	8919.3	8670.2	8435.9	8234.7	8020.6	7793.1	6298.2	1499.6	418.6
65°	9501.3	9175.9	8884.9	8592.5	8329.2	8078.7	7870.7	7643.2	6103.7	1288.9	354.5
67.5°	9032.7	8689.7	8372.4	8040.9	7774.8	7548.7	7284.0	7065.2	5555.5	1003.3	295.1
70°	8066.5	7765.4	7491.9	7134.8	6914.0	6638.5	6470.4	6196.9	4842.5	684.0	243.7
72.5°	5810.0	5583.2	5494.0	5244.9	4955.9	4793.9	4716.2	4450.9	3578.5	424.7	199.2
75°	1962.8	2018.8	1890.5	1694.1	1789.9	1642.1	1702.2	1575.9	1513.8	243.7	167.4
77.5°	435.5	409.2	378.1	351.1	349.1	328.1	347.7	328.8	351.8	155.3	147.9
80°	343.7	271.4	230.9	210.7	199.9	193.8	189.1	183.7	167.4	132.3	136.4
82.5°	371.4	280.2	205.3	164.1	140.4	131.7	129.6	124.2	122.9	128.3	137.7
85°	118.8	99.3	84.4	79.7	73.6	70.2	68.9	66.8	81.0	139.8	132.3
87.5°	62.1	54.7	48.6	46.6	40.5	37.8	37.1	37.8	56.7	139.8	95.9
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):

	125°	135°	145°	155°	165°	175°	180°
0°	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4
2.5°	1112.0	1111.4	1110.0	1109.3	1108.7	1105.3	1108.0
5°	1133.0	1126.2	1120.1	1112.7	1108.7	1105.3	1105.3
7.5°	1164.7	1145.8	1130.3	1113.4	1101.9	1093.1	1091.8
10°	1204.5	1168.1	1132.3	1101.9	1080.3	1064.1	1062.1
12.5°	1242.4	1187.0	1130.3	1080.3	1046.5	1023.6	1022.2
15°	1277.5	1197.1	1114.7	1041.1	990.5	960.1	956.7
17.5°	1305.1	1191.0	1079.6	986.5	917.6	881.8	879.8
20°	1311.2	1166.7	1029.7	918.9	846.0	808.2	799.4
22.5°	1305.8	1122.8	967.6	844.7	760.9	723.1	718.4
25°	1289.6	1069.5	890.6	758.2	680.6	642.1	632.7
27.5°	1260.6	1006.7	807.5	674.5	597.5	560.4	551.0
30°	1217.4	931.1	719.1	596.2	516.5	486.8	477.4
32.5°	1157.3	839.3	632.0	515.8	449.7	426.0	422.0
35°	1074.2	733.9	540.8	449.7	401.1	386.9	384.9
37.5°	968.2	628.6	464.5	402.4	367.3	358.5	357.2
40°	829.8	520.6	410.5	368.7	343.0	335.6	334.2
42.5°	687.3	439.6	370.7	341.6	320.7	314.0	311.9
45°	562.4	384.9	341.0	319.4	299.8	292.4	291.7
47.5°	469.3	353.1	316.7	299.1	279.5	270.8	271.4
50°	401.1	324.1	296.4	281.6	259.3	251.2	251.8
52.5°	354.5	295.1	277.5	260.6	241.7	233.6	233.6
55°	318.0	271.4	259.3	241.0	226.2	218.8	218.1
57.5°	288.3	252.5	241.7	226.9	212.0	203.2	203.2
60°	270.1	239.0	230.2	216.7	199.2	189.7	189.1
62.5°	259.3	235.0	227.5	208.6	189.1	179.6	177.6
65°	251.2	244.4	235.0	203.9	181.0	170.8	168.8
67.5°	251.8	266.7	253.2	206.6	178.3	163.4	160.7
70°	255.9	284.3	266.0	212.7	189.7	160.0	153.9
72.5°	235.6	257.2	239.7	202.6	185.0	153.9	146.5
75°	196.5	187.7	172.2	164.7	166.1	139.8	137.1
77.5°	159.3	139.8	124.9	131.0	139.8	119.5	116.8
80°	138.4	113.4	106.0	116.1	126.9	102.0	95.2
82.5°	129.6	95.9	91.2	120.9	133.0	87.8	77.0
85°	114.1	78.3	71.6	142.5	133.0	66.2	61.4
87.5°	76.3	46.6	44.6	104.7	91.2	45.9	37.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)