

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: P158226

Luminaire Tested: **VST-F04-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158226
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-F04-LED-E-U-SL2-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (28) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10194.6 lumens
Efficiency: N/A
Efficacy: 99.8 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): 102.2
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

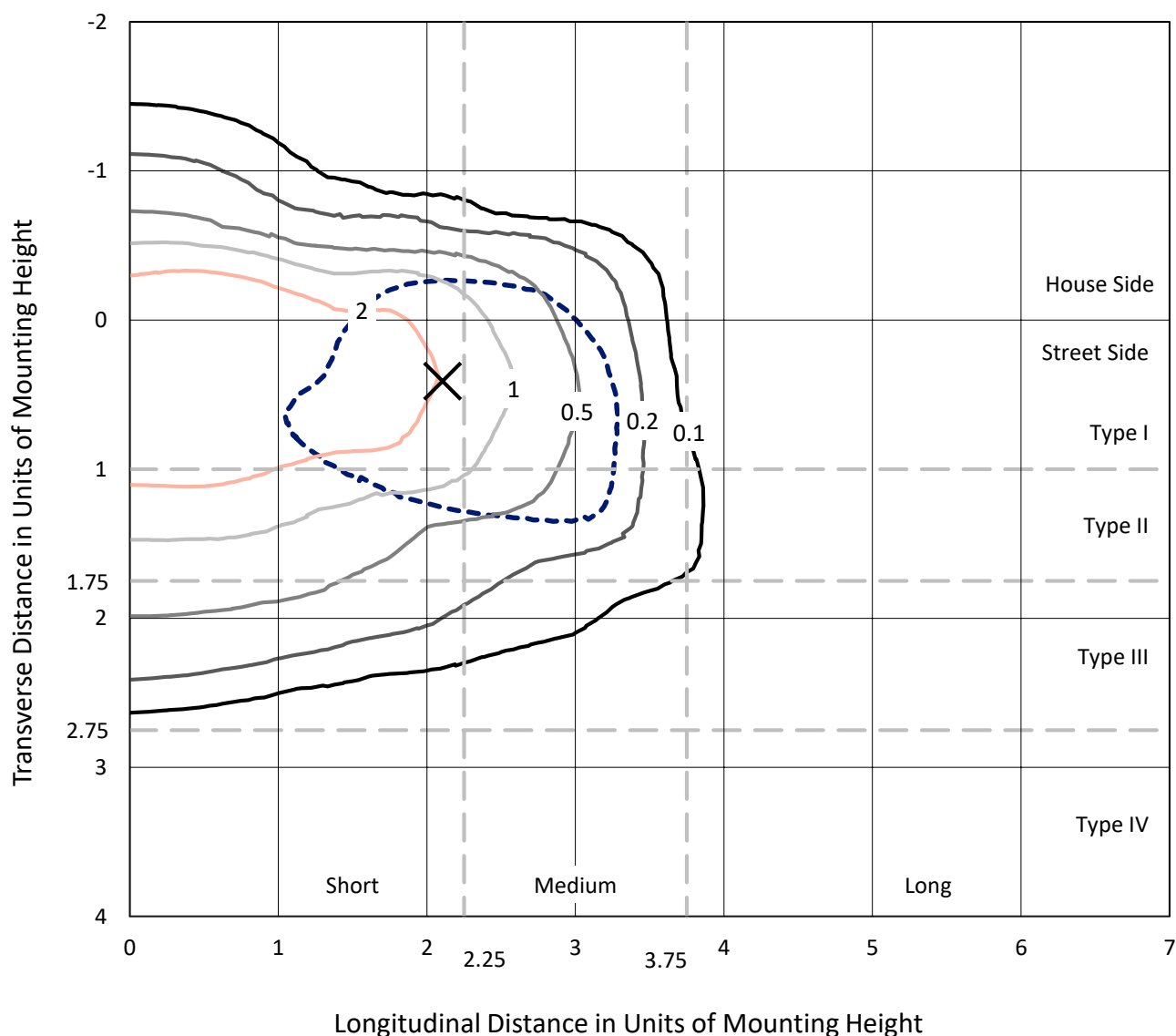


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

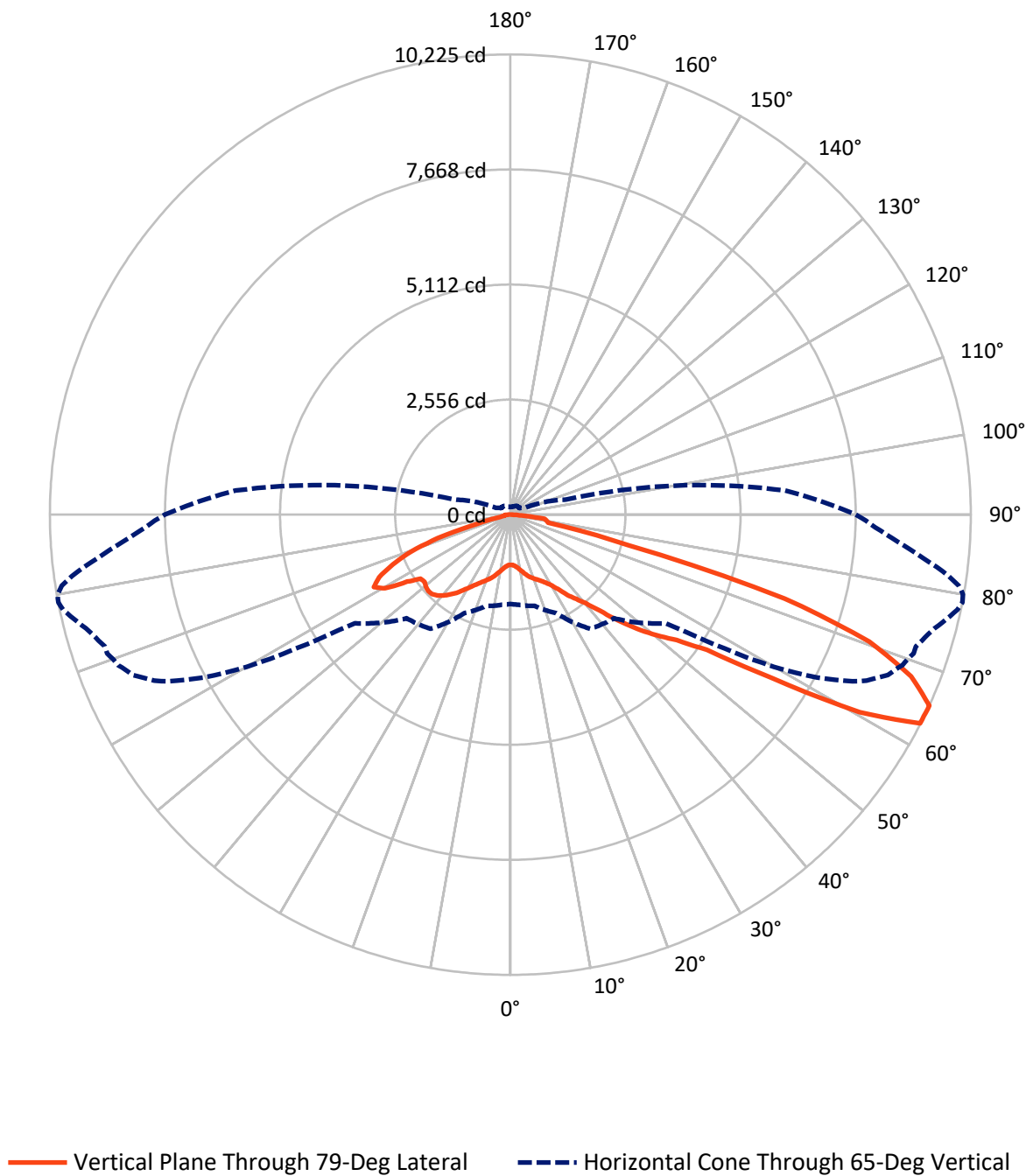


Based on 20 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2342.5	0.0	2342.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	7852.1	0.0	7852.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	10194.6	0.0	10194.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	1.1
10°-20°	358.4	3.5
20°-30°	617.9	6.1
30°-40°	1012.1	9.9
40°-50°	1694.9	16.6
50°-60°	2292.6	22.5
60°-70°	2823.3	27.7
70°-80°	1092.9	10.7
80°-90°	192.2	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°	10194.6	100.0
0°-180°	10194.6	100.0

Coefficient of Utilization



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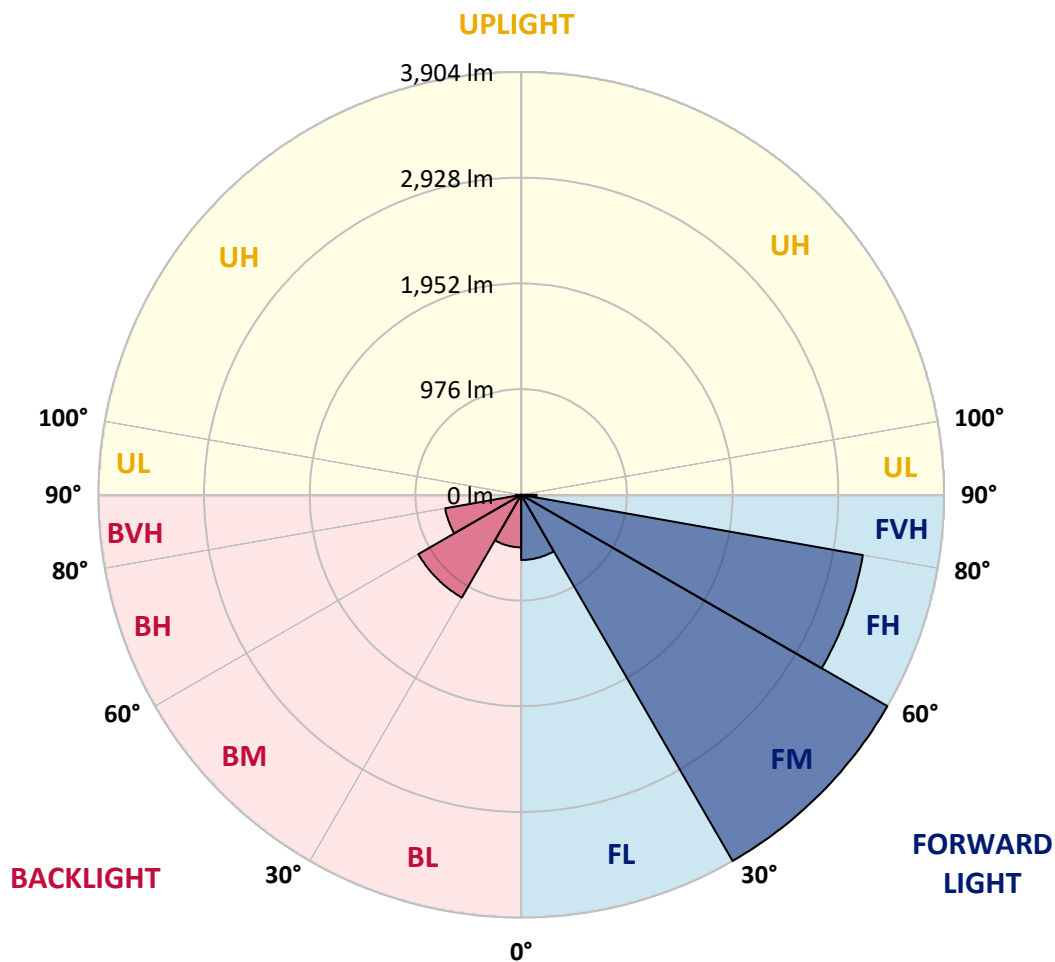
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	601.9	5.9			
FM	(30°-60°)	3904.1	38.3			
FH	(60°-80°)	3203.5	31.4			G2/5000
FVH	(80°-90°)	142.6	1.4			G2/225
BL	(0°-30°)	484.8	4.8	B1/500		
BM	(30°-60°)	1095.5	10.7	B2/2500		
BH	(60°-80°)	712.7	7.0	B2/1000		G2/1000
BVH	(80°-90°)	49.6	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°	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4
2.5°	1117.5	1114.1	1117.5	1120.2	1122.2	1124.9	1124.2	1123.6	1122.9	1123.6	1123.6
5°	1126.9	1126.3	1129.7	1132.4	1137.1	1140.5	1144.6	1144.6	1144.6	1143.9	1145.2
7.5°	1157.4	1156.8	1160.2	1162.9	1166.9	1173.7	1179.1	1181.8	1181.2	1181.2	1181.2
10°	1207.6	1204.9	1204.9	1204.9	1210.3	1215.0	1227.2	1228.6	1231.3	1230.0	1230.6
12.5°	1256.4	1257.1	1255.0	1253.0	1253.7	1263.2	1280.8	1284.2	1284.8	1286.9	1288.2
15°	1300.4	1299.8	1295.0	1290.3	1296.4	1312.6	1335.7	1341.8	1341.8	1345.8	1348.5
17.5°	1341.1	1339.7	1330.9	1322.8	1328.9	1356.7	1392.6	1396.7	1402.8	1404.8	1407.5
20°	1389.2	1386.5	1376.3	1354.6	1354.6	1392.6	1440.0	1444.1	1449.5	1450.9	1455.6
22.5°	1456.3	1449.5	1427.8	1388.5	1377.7	1421.7	1480.0	1482.0	1486.1	1491.5	1495.6
25°	1532.2	1533.5	1498.3	1429.9	1406.1	1452.2	1518.6	1522.0	1529.5	1533.5	1538.3
27.5°	1610.8	1612.8	1573.5	1488.1	1448.2	1494.2	1570.8	1574.9	1583.7	1588.4	1595.9
30°	1700.3	1703.0	1665.0	1578.9	1518.0	1555.9	1648.1	1658.9	1666.4	1672.5	1684.7
32.5°	1915.1	1898.8	1872.4	1780.9	1684.7	1682.0	1772.8	1785.0	1795.1	1808.0	1819.5
35°	2185.5	2195.6	2209.2	2147.5	2062.8	2001.1	2008.6	2001.8	2011.3	2030.3	2041.8
37.5°	2399.6	2422.0	2480.9	2520.9	2517.5	2505.3	2391.5	2391.5	2397.6	2387.4	2386.0
40°	2567.7	2581.9	2702.5	2857.7	2988.5	3052.9	2962.7	2949.9	2956.6	2904.5	2906.5
42.5°	2654.4	2675.4	2848.9	3121.3	3380.8	3587.5	3559.8	3550.9	3530.6	3517.7	3509.6
45°	2698.4	2723.5	2930.2	3304.3	3682.4	4001.6	4145.2	4143.9	4125.6	4110.7	4103.9
47.5°	2676.1	2697.8	2918.0	3359.8	3841.0	4268.6	4586.4	4606.1	4600.6	4622.3	4631.1
50°	2529.7	2557.5	2778.4	3239.9	3774.6	4373.6	4892.0	4928.6	4978.1	5009.3	5050.6
52.5°	2397.6	2420.6	2619.8	3045.4	3556.4	4288.2	5076.4	5151.6	5219.3	5283.0	5332.5
55°	2259.3	2282.4	2457.2	2843.5	3336.1	4036.1	5160.4	5270.2	5375.9	5483.6	5582.6
57.5°	2207.1	2231.5	2361.6	2686.9	3155.9	3786.1	5201.7	5382.0	5554.1	5737.1	5926.8
60°	2342.7	2364.4	2463.3	2691.0	3018.3	3536.0	5118.4	5401.6	5697.8	5999.3	6290.7
62.5°	2301.3	2312.9	2436.2	2789.3	3193.8	3289.4	4757.2	5131.2	5561.6	6003.4	6450.0
65°	1985.5	2007.9	2100.7	2411.1	3095.6	3256.2	4206.9	4583.0	5090.6	5613.1	6211.4
67.5°	1424.4	1393.3	1465.1	1736.8	2401.6	3250.7	3587.5	3866.1	4263.8	4664.3	5155.0
70°	647.2	632.3	688.5	903.3	1448.8	2569.0	3033.2	3127.4	3275.1	3544.8	3876.2
72.5°	255.5	254.8	291.4	373.4	685.1	1653.5	2550.7	2604.9	2657.1	2774.3	2917.3
75°	167.4	167.4	178.2	201.3	337.5	798.3	2157.7	2207.1	2287.1	2320.3	2381.3
77.5°	126.0	126.7	131.5	136.9	186.4	420.1	1522.7	1698.2	1833.7	1934.7	2008.6
80°	89.5	93.5	102.3	105.7	121.3	239.2	860.6	987.4	1140.5	1303.8	1509.1
82.5°	67.1	71.8	86.7	90.8	96.2	136.2	388.3	440.5	514.3	666.8	958.9
85°	31.2	34.6	59.6	65.1	69.8	78.6	197.2	220.2	250.1	273.8	319.2
87.5°	4.7	3.4	10.2	14.2	22.4	23.0	67.8	80.6	87.4	105.0	109.1
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4
2.5°	1123.6	1124.2	1124.9	1123.6	1124.2	1124.2	1122.9	1122.2	1122.2	1122.2	1122.9
5°	1145.2	1146.6	1145.2	1145.9	1148.6	1148.0	1146.6	1145.9	1148.6	1149.3	1147.3
7.5°	1183.9	1184.6	1181.8	1185.2	1186.6	1187.3	1187.3	1188.6	1188.6	1190.6	1188.6
10°	1233.3	1233.3	1238.1	1237.4	1238.1	1239.4	1240.1	1242.8	1244.9	1244.9	1246.2
12.5°	1290.3	1290.9	1295.7	1296.4	1299.1	1299.8	1303.8	1301.1	1307.9	1307.9	1309.9
15°	1349.2	1354.0	1354.6	1361.4	1362.8	1363.5	1368.9	1368.9	1373.6	1374.3	1375.7
17.5°	1407.5	1411.6	1414.3	1419.7	1424.4	1426.5	1428.5	1432.6	1436.0	1437.3	1440.7
20°	1457.6	1461.7	1464.4	1469.8	1473.9	1477.3	1479.3	1484.1	1487.5	1488.8	1493.6
22.5°	1499.7	1502.4	1507.1	1514.6	1515.9	1520.0	1526.1	1529.5	1530.8	1534.9	1540.3
25°	1544.4	1548.5	1551.2	1557.9	1563.4	1570.1	1575.6	1581.0	1582.3	1587.8	1592.5
27.5°	1604.0	1608.1	1608.8	1622.3	1627.7	1637.2	1643.3	1651.5	1655.5	1660.3	1669.8
30°	1692.1	1701.6	1705.7	1721.3	1724.0	1734.8	1745.7	1748.4	1754.5	1755.1	1770.7
32.5°	1827.0	1840.5	1845.9	1862.2	1866.3	1876.4	1882.5	1896.8	1897.4	1904.2	1907.6
35°	2047.9	2044.5	2065.5	2069.6	2081.8	2090.6	2096.7	2096.7	2109.6	2110.2	2114.3
37.5°	2349.4	2342.7	2348.1	2323.7	2329.8	2319.0	2316.9	2319.6	2314.2	2315.6	2314.9
40°	2831.9	2801.4	2769.6	2694.4	2678.1	2646.9	2622.5	2602.9	2583.9	2563.6	2550.0
42.5°	3437.1	3393.0	3345.6	3225.0	3168.7	3108.4	3049.5	3015.6	2947.8	2906.5	2884.1
45°	4071.4	4019.9	3953.5	3853.2	3773.2	3708.8	3601.1	3550.3	3445.2	3393.0	3322.6
47.5°	4591.1	4591.8	4538.3	4436.6	4351.3	4308.6	4241.5	4143.2	4023.9	3956.9	3831.5
50°	5045.9	5045.2	5041.8	4980.8	4921.2	4874.4	4815.5	4726.7	4629.1	4553.2	4409.5
52.5°	5382.0	5426.7	5445.7	5445.0	5437.5	5415.9	5371.1	5294.6	5195.6	5152.9	5038.4
55°	5659.8	5757.4	5808.2	5919.4	5929.5	5965.4	5926.1	5926.8	5868.5	5872.6	5836.0
57.5°	6080.6	6258.9	6361.2	6607.2	6730.5	6879.6	6853.2	6977.9	7023.3	7080.9	7157.5
60°	6558.4	6891.1	7133.7	7623.0	7822.2	8063.5	8196.3	8337.9	8440.9	8546.7	8624.6
62.5°	6899.9	7337.0	7735.5	8432.8	8691.7	8945.8	9113.2	9284.6	9400.5	9476.4	9532.7
65°	6760.3	7243.5	7714.5	8445.7	8727.6	8911.9	9111.1	9210.1	9326.0	9389.0	9469.6
67.5°	5744.5	6229.1	6733.9	7596.6	7891.4	8146.2	8301.3	8429.4	8522.9	8602.9	8695.7
70°	4272.0	4801.9	5323.7	6269.7	6641.8	7009.7	7192.7	7351.3	7448.8	7529.5	7631.8
72.5°	3074.5	3406.6	3732.6	4791.7	5163.8	5639.5	5829.2	6005.4	6132.1	6128.1	6236.5
75°	2447.7	2582.6	2727.6	3274.5	3541.5	3942.6	4049.0	4148.0	4088.3	3973.8	3967.0
77.5°	2037.7	2093.3	2142.1	2313.5	2352.8	2448.4	2395.5	2340.6	2163.8	2014.7	1936.1
80°	1654.2	1764.0	1835.8	1957.8	2007.9	2036.4	2043.8	2024.8	1959.8	1869.7	1726.0
82.5°	1230.0	1438.7	1581.0	1820.9	1909.0	1927.3	1962.5	1940.8	1898.1	1824.9	1721.9
85°	360.5	408.0	467.6	634.3	743.4	836.2	931.1	977.9	1007.0	966.3	860.0
87.5°	126.7	143.0	159.9	220.2	234.5	283.3	277.8	328.0	330.0	344.3	329.3
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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CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4
2.5°	1122.2	1122.2	1122.2	1122.9	1122.9	1122.9	1121.5	1120.9	1121.5	1122.9	1122.9
5°	1148.6	1149.3	1150.7	1148.0	1148.6	1150.7	1149.3	1148.6	1149.3	1150.7	1149.3
7.5°	1191.3	1192.0	1190.6	1193.4	1193.4	1194.7	1196.7	1194.7	1195.4	1196.1	1196.7
10°	1246.9	1247.6	1248.9	1251.0	1251.6	1253.0	1254.3	1256.4	1256.4	1255.0	1258.4
12.5°	1313.3	1312.6	1314.0	1316.7	1318.0	1320.1	1324.1	1324.1	1326.9	1326.2	1329.6
15°	1378.4	1381.7	1382.4	1387.2	1389.2	1392.6	1397.3	1400.0	1400.0	1404.1	1405.5
17.5°	1443.4	1446.1	1448.8	1452.9	1455.6	1457.6	1463.1	1466.5	1465.8	1473.2	1473.2
20°	1493.6	1499.0	1502.4	1505.1	1509.8	1513.2	1517.3	1521.3	1524.1	1528.8	1530.2
22.5°	1542.4	1545.7	1550.5	1553.9	1559.3	1563.4	1568.1	1571.5	1576.2	1582.3	1584.4
25°	1596.6	1602.0	1607.4	1612.2	1616.2	1621.0	1629.1	1636.6	1643.3	1648.7	1650.8
27.5°	1671.8	1677.9	1686.0	1689.4	1695.5	1699.6	1711.8	1721.3	1724.6	1734.1	1736.8
30°	1773.4	1780.2	1788.3	1792.4	1803.3	1808.7	1821.6	1831.7	1835.1	1846.6	1848.7
32.5°	1920.5	1924.6	1940.8	1940.1	1955.1	1970.6	1978.1	1986.2	2001.1	2007.2	2009.3
35°	2124.5	2134.0	2145.5	2144.8	2163.8	2172.6	2187.5	2196.3	2207.1	2206.5	2218.0
37.5°	2321.7	2325.1	2329.1	2337.9	2351.5	2363.7	2369.1	2377.9	2386.0	2398.2	2413.1
40°	2536.5	2544.6	2545.3	2550.0	2556.8	2572.4	2582.6	2592.1	2619.8	2637.5	2646.3
42.5°	2858.4	2856.3	2842.8	2851.6	2855.7	2879.4	2886.8	2916.0	2947.1	2984.4	2994.6
45°	3272.4	3245.3	3237.2	3233.8	3255.5	3267.7	3298.2	3352.4	3384.9	3420.2	3437.1
47.5°	3782.0	3697.3	3657.3	3648.5	3670.9	3723.1	3733.2	3786.8	3829.5	3855.2	3872.2
50°	4292.3	4225.9	4141.9	4113.4	4107.3	4155.4	4166.9	4211.7	4255.0	4262.5	4253.7
52.5°	4933.4	4824.9	4686.0	4635.9	4595.9	4599.3	4608.8	4627.7	4655.5	4644.0	4620.3
55°	5753.3	5630.0	5561.6	5466.7	5406.4	5395.5	5354.2	5297.3	5295.2	5302.7	5231.5
57.5°	7118.8	7067.3	7096.5	7086.3	7026.7	7062.6	6876.2	6823.4	6781.3	6708.2	6642.4
60°	8693.7	8746.6	8806.9	8945.8	8939.7	9079.3	8949.9	8917.3	8878.0	8652.4	8541.9
62.5°	9630.9	9651.9	9740.7	9870.1	9997.5	10131.0	10191.3	10212.3	10130.3	9946.0	9715.6
65°	9467.6	9560.4	9646.5	9758.3	9889.1	10022.6	10150.0	10224.5	10205.6	10083.6	9830.1
67.5°	8725.6	8823.1	8949.2	9066.4	9207.4	9323.3	9462.9	9599.7	9603.8	9542.8	9366.6
70°	7642.7	7755.8	7885.9	7951.7	8104.1	8209.2	8325.1	8460.6	8504.6	8512.1	8306.8
72.5°	6213.5	6260.9	6324.6	6290.0	6320.5	6387.6	6356.5	6367.3	6199.9	6231.1	5977.6
75°	3784.1	3740.7	3548.2	3372.7	3158.6	2993.9	3033.2	2718.8	2409.1	2393.5	2169.9
77.5°	1919.1	1850.0	1730.7	1606.7	1425.1	1217.1	1043.6	856.6	698.7	608.5	522.5
80°	1634.5	1585.7	1520.0	1429.9	1297.7	1143.9	963.0	820.6	688.5	550.9	441.2
82.5°	1564.0	1415.0	1319.4	1244.2	1101.2	958.9	860.0	762.4	668.9	584.1	462.8
85°	775.9	686.5	580.8	515.0	396.4	310.4	290.7	239.2	223.0	172.1	145.0
87.5°	260.9	213.5	159.3	134.2	107.1	87.4	86.1	76.6	75.9	69.1	63.7
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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CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4
2.5°	1122.2	1123.6	1123.6	1122.2	1122.9	1121.5	1122.2	1122.9	1120.9	1120.2	1118.1
5°	1150.0	1149.3	1149.3	1150.0	1152.0	1152.7	1149.3	1150.7	1151.3	1148.0	1140.5
7.5°	1196.1	1196.1	1198.1	1197.4	1201.5	1200.1	1199.5	1199.5	1199.5	1192.7	1180.5
10°	1258.4	1258.4	1260.4	1263.2	1263.8	1262.5	1262.5	1263.2	1266.5	1253.0	1234.0
12.5°	1328.2	1331.6	1330.9	1330.9	1339.1	1337.0	1334.3	1337.0	1340.4	1321.4	1294.3
15°	1406.1	1408.2	1409.5	1414.3	1412.9	1417.7	1419.0	1417.7	1421.1	1396.7	1351.3
17.5°	1476.6	1480.7	1482.0	1487.5	1487.5	1488.1	1493.6	1491.5	1492.2	1464.4	1399.4
20°	1534.9	1539.0	1541.0	1547.1	1548.5	1551.2	1553.2	1554.6	1557.9	1524.7	1438.7
22.5°	1593.2	1596.6	1600.0	1604.0	1609.4	1612.8	1615.5	1616.9	1623.0	1584.4	1475.9
25°	1658.2	1665.7	1669.1	1675.9	1681.3	1686.7	1690.8	1691.4	1701.6	1653.5	1506.4
27.5°	1745.0	1755.1	1760.6	1771.4	1776.8	1782.2	1780.9	1789.0	1803.3	1732.8	1530.2
30°	1858.8	1871.7	1875.1	1885.9	1894.7	1900.2	1906.3	1913.0	1922.5	1820.9	1541.7
32.5°	2017.4	2037.0	2041.8	2047.9	2060.8	2070.3	2074.3	2085.2	2087.9	1904.2	1538.3
35°	2234.9	2226.1	2249.2	2254.6	2272.9	2280.3	2285.1	2299.3	2288.5	1995.0	1515.9
37.5°	2431.4	2428.7	2451.1	2463.3	2487.0	2481.6	2493.1	2502.6	2464.0	2059.4	1474.6
40°	2671.3	2667.9	2699.1	2703.2	2739.8	2731.6	2736.4	2743.8	2657.8	2104.1	1399.4
42.5°	3006.1	3007.5	3040.7	3044.7	3049.5	3064.4	3040.0	3041.3	2863.8	2116.3	1275.4
45°	3447.3	3471.0	3450.6	3451.3	3450.0	3421.5	3391.0	3355.1	3077.9	2074.3	1115.4
47.5°	3874.9	3858.6	3832.8	3809.1	3789.5	3744.8	3700.0	3639.0	3262.9	1974.7	937.2
50°	4240.8	4204.2	4181.2	4115.4	4068.7	4010.4	3948.1	3878.3	3414.7	1831.0	770.5
52.5°	4581.0	4543.0	4457.0	4388.5	4321.4	4244.2	4171.7	4089.7	3548.9	1667.0	643.1
55°	5146.2	5112.9	5026.9	4901.5	4818.8	4712.5	4616.9	4505.8	3820.6	1534.2	559.1
57.5°	6461.5	6433.0	6252.1	6172.8	6063.7	5796.7	5757.4	5583.9	4549.1	1518.6	509.6
60°	8313.5	8191.6	8041.1	7824.3	7568.8	7480.7	7284.2	7053.1	5721.5	1561.3	469.6
62.5°	9450.7	9172.8	8951.9	8701.8	8466.7	8264.7	8049.9	7821.6	6321.2	1505.1	420.1
65°	9536.0	9209.4	8917.3	8623.9	8359.6	8108.2	7899.5	7671.1	6126.1	1293.7	355.8
67.5°	9065.7	8721.5	8403.0	8070.3	7803.3	7576.2	7310.6	7091.0	5575.8	1007.0	296.1
70°	8096.0	7793.8	7519.3	7160.8	6939.2	6662.8	6494.0	6219.6	4860.2	686.5	244.6
72.5°	5831.3	5603.6	5514.1	5264.1	4974.0	4811.4	4733.5	4467.1	3591.6	426.2	199.9
75°	1970.0	2026.2	1897.4	1700.3	1796.5	1648.1	1708.4	1581.7	1519.3	244.6	168.1
77.5°	437.1	410.7	379.5	352.4	350.4	329.3	349.0	330.0	353.1	155.9	148.4
80°	344.9	272.4	231.8	211.4	200.6	194.5	189.7	184.3	168.1	132.8	136.9
82.5°	372.7	281.2	206.0	164.7	141.0	132.1	130.1	124.7	123.3	128.8	138.2
85°	119.3	99.6	84.7	80.0	73.9	70.5	69.1	67.1	81.3	140.3	132.8
87.5°	62.3	54.9	48.8	46.8	40.7	37.9	37.3	37.9	56.9	140.3	96.2
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-F04-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4	1115.4
2.5°	1116.1	1115.4	1114.1	1113.4	1112.7	1109.3	1112.0
5°	1137.1	1130.3	1124.2	1116.8	1112.7	1109.3	1109.3
7.5°	1169.0	1150.0	1134.4	1117.5	1105.9	1097.1	1095.8
10°	1208.9	1172.4	1136.4	1105.9	1084.3	1068.0	1066.0
12.5°	1246.9	1191.3	1134.4	1084.3	1050.4	1027.3	1026.0
15°	1282.1	1201.5	1118.8	1045.0	994.1	963.6	960.2
17.5°	1309.9	1195.4	1083.6	990.1	920.9	885.0	883.0
20°	1316.0	1171.0	1033.4	922.3	849.1	811.2	802.4
22.5°	1310.6	1126.9	971.1	847.8	763.7	725.8	721.0
25°	1294.3	1073.4	893.8	761.0	683.1	644.5	635.0
27.5°	1265.2	1010.4	810.5	677.0	599.7	562.5	553.0
30°	1221.8	934.5	721.7	598.4	518.4	488.6	479.1
32.5°	1161.5	842.3	634.3	517.7	451.3	427.6	423.5
35°	1078.2	736.6	542.8	451.3	402.5	388.3	386.3
37.5°	971.8	630.9	466.2	403.9	368.6	359.8	358.5
40°	832.8	522.5	412.0	370.0	344.3	336.8	335.4
42.5°	689.9	441.2	372.0	342.9	321.9	315.1	313.1
45°	564.5	386.3	342.2	320.5	300.9	293.4	292.7
47.5°	471.0	354.4	317.8	300.2	280.6	271.7	272.4
50°	402.5	325.3	297.5	282.6	260.2	252.1	252.8
52.5°	355.8	296.1	278.5	261.6	242.6	234.5	234.5
55°	319.2	272.4	260.2	241.9	227.0	219.6	218.9
57.5°	289.4	253.4	242.6	227.7	212.8	204.0	204.0
60°	271.1	239.9	231.1	217.5	199.9	190.4	189.7
62.5°	260.2	235.8	228.4	209.4	189.7	180.3	178.2
65°	252.1	245.3	235.8	204.7	181.6	171.4	169.4
67.5°	252.8	267.7	254.1	207.4	178.9	164.0	161.3
70°	256.8	285.3	267.0	213.5	190.4	160.6	154.5
72.5°	236.5	258.2	240.6	203.3	185.7	154.5	147.1
75°	197.2	188.4	172.8	165.3	166.7	140.3	137.6
77.5°	159.9	140.3	125.4	131.5	140.3	119.9	117.2
80°	138.9	113.8	106.4	116.6	127.4	102.3	95.6
82.5°	130.1	96.2	91.5	121.3	133.5	88.1	77.3
85°	114.5	78.6	71.8	143.0	133.5	66.4	61.7
87.5°	76.6	46.8	44.7	105.0	91.5	46.1	37.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)