

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: P159312

Luminaire Tested: **VST-E03-LED-E-U-T2-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159312
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-E03-LED-E-U-T2-7060
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (63) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9501.9 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 75.2
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



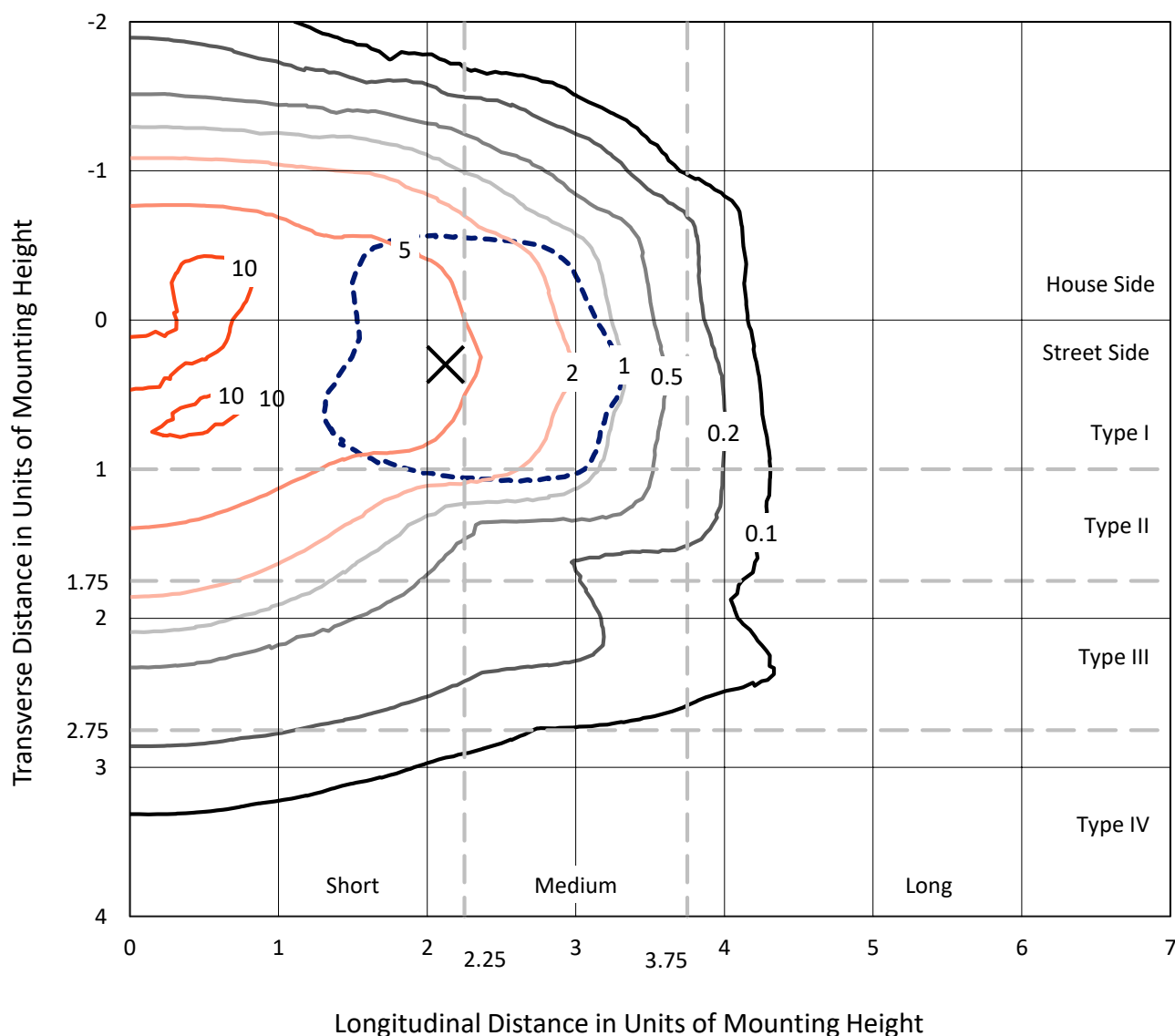
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

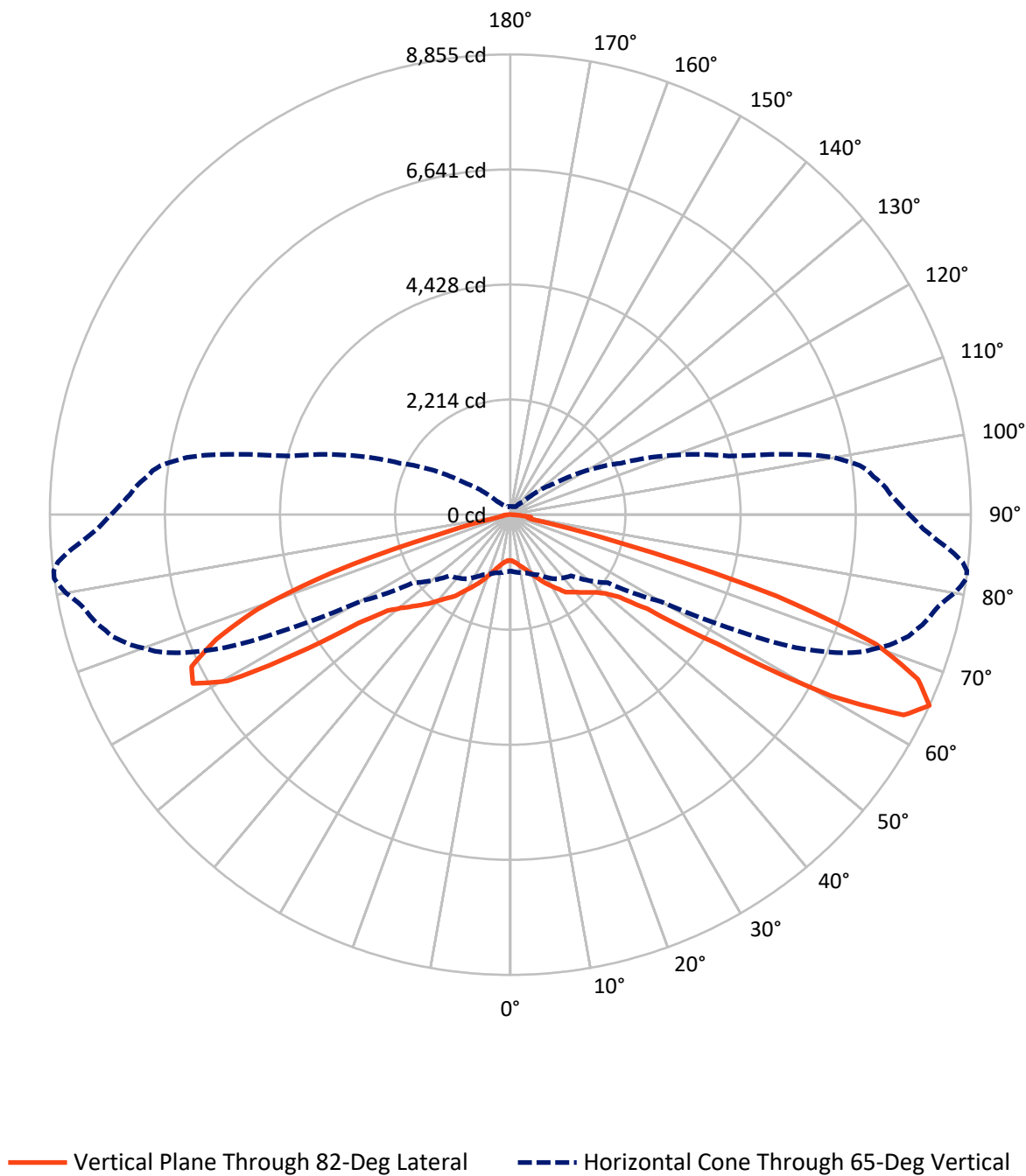


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3537.9	0.0	3537.9
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	5964.0	0.0	5964.0
	% Fixture	62.8	0.0	62.8
Total	Lumens	9501.9	0.0	9501.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	0.9
10°-20°	314.5	3.3
20°-30°	623.1	6.6
30°-40°	1068.2	11.2
40°-50°	1604.7	16.9
50°-60°	2229.5	23.5
60°-70°	2543.5	26.8
70°-80°	876.2	9.2
80°-90°	152.7	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°	9501.9	100.0
0°-180°	9501.9	100.0

Coefficient of Utilization



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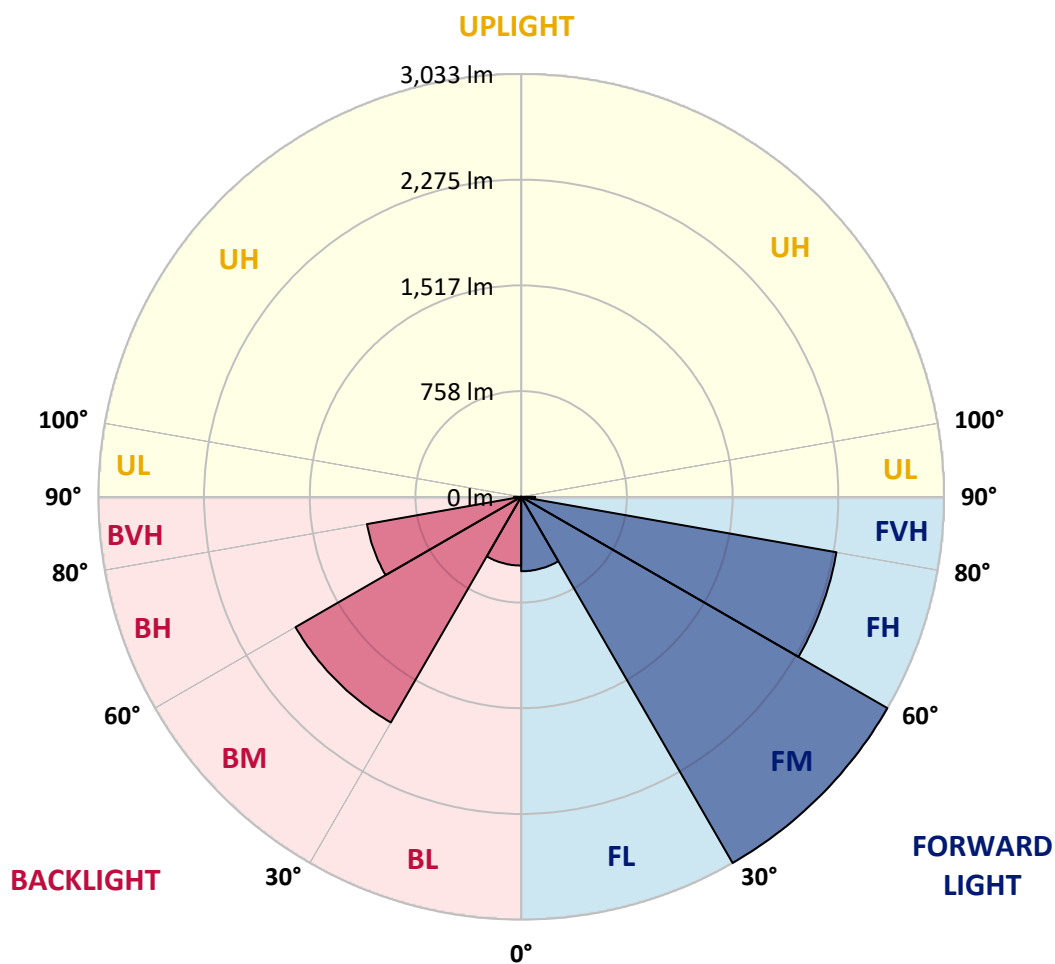
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	533.8	5.6			
FM	(30°-60°)	3033.2	31.9			
FH	(60°-80°)	2296.5	24.2			G2/5000
FVH	(80°-90°)	100.5	1.1			G2/225
BL	(0°-30°)	493.3	5.2	B1/500		
BM	(30°-60°)	1869.2	19.7	B2/2500		
BH	(60°-80°)	1123.2	11.8	B3/2500		G3/2500
BVH	(80°-90°)	52.2	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°	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1
2.5°	932.1	932.7	932.1	930.2	929.6	924.1	917.9	914.9	914.3	911.8	912.4
5°	990.0	988.1	985.7	982.6	979.5	970.3	959.8	954.3	952.4	950.6	948.1
7.5°	1041.7	1042.9	1041.7	1037.4	1029.4	1017.7	1004.2	995.5	994.9	993.1	991.2
10°	1108.2	1111.3	1103.9	1096.5	1085.4	1067.6	1052.2	1041.1	1039.3	1036.8	1035.5
12.5°	1180.2	1180.9	1178.4	1161.8	1143.3	1118.6	1096.5	1085.4	1082.9	1079.9	1078.6
15°	1257.2	1257.8	1244.3	1228.3	1199.9	1170.4	1139.6	1127.3	1124.2	1124.8	1119.9
17.5°	1318.1	1319.3	1306.4	1286.1	1252.3	1217.2	1183.9	1174.1	1172.2	1172.8	1170.4
20°	1344.6	1346.5	1338.5	1323.1	1291.0	1260.2	1236.2	1230.1	1229.5	1228.3	1233.2
22.5°	1343.4	1344.0	1340.9	1334.8	1315.7	1297.8	1294.7	1298.5	1297.8	1299.1	1303.4
25°	1332.3	1334.2	1333.5	1336.0	1332.9	1339.7	1353.8	1366.8	1368.6	1371.1	1379.1
27.5°	1360.6	1364.3	1360.0	1362.5	1367.4	1390.1	1419.1	1438.8	1442.5	1449.3	1456.0
30°	1471.4	1466.5	1460.9	1454.8	1457.9	1472.0	1504.7	1521.9	1523.8	1528.7	1537.9
32.5°	1635.8	1630.3	1625.3	1615.5	1613.0	1606.9	1618.0	1622.3	1621.7	1626.6	1629.1
35°	1821.1	1821.7	1820.5	1827.9	1834.1	1802.6	1763.9	1753.4	1757.7	1752.2	1753.4
37.5°	1979.3	1981.2	2013.8	2054.5	2066.2	2046.5	1961.5	1919.6	1905.5	1903.6	1889.5
40°	2154.8	2154.8	2204.1	2254.0	2286.6	2311.2	2210.2	2136.4	2106.2	2097.5	2062.5
42.5°	2347.5	2337.7	2382.6	2437.4	2497.7	2553.8	2501.5	2418.3	2375.2	2359.9	2298.3
45°	2505.7	2499.6	2521.7	2572.9	2670.7	2780.3	2787.7	2745.2	2719.4	2687.4	2630.7
47.5°	2603.0	2599.9	2612.9	2668.3	2790.8	2968.1	3067.3	3088.8	3073.4	3048.8	2994.0
50°	2641.2	2636.9	2646.1	2707.7	2845.0	3079.0	3298.1	3399.7	3407.1	3412.6	3395.4
52.5°	2627.6	2622.1	2641.2	2692.9	2835.7	3117.7	3478.5	3673.7	3706.3	3734.0	3790.6
55°	2497.7	2489.1	2540.8	2638.1	2795.7	3103.6	3610.3	3937.1	4006.1	4080.0	4205.6
57.5°	2298.9	2291.5	2366.0	2499.6	2724.9	3064.8	3698.9	4270.3	4425.4	4558.4	4914.8
60°	2107.4	2101.3	2145.0	2274.2	2495.3	2875.7	3589.3	4382.3	4642.7	4929.6	5580.4
62.5°	1765.1	1748.5	1807.0	1915.9	2055.7	2378.9	3110.9	4132.9	4534.4	4956.1	5838.4
65°	1084.8	1108.8	1159.3	1280.0	1509.0	1662.9	2284.7	3343.7	3873.1	4402.0	5546.5
67.5°	688.9	695.7	733.3	817.0	994.3	1148.8	1384.6	2098.2	2506.4	3026.6	4354.6
70°	590.4	594.7	626.8	714.2	836.7	1026.9	1047.8	1095.9	1242.4	1573.6	2559.9
72.5°	465.4	472.8	498.1	573.8	721.6	926.0	1293.5	866.2	836.7	864.4	1249.2
75°	277.0	285.7	306.6	347.8	463.6	708.0	1355.1	1007.8	939.5	886.0	861.9
77.5°	146.5	140.4	154.6	178.6	238.3	377.4	1018.3	1235.0	1187.0	1123.0	986.9
80°	72.7	75.1	79.4	84.4	106.5	153.3	509.2	1277.5	1416.0	1477.6	1356.9
82.5°	28.9	32.6	46.2	49.3	58.5	65.3	163.7	708.0	1014.0	1375.4	1795.9
85°	14.8	14.2	24.6	29.6	34.5	30.8	57.9	264.1	475.3	740.6	1199.9
87.5°	1.9	2.5	5.5	7.4	10.4	9.8	16.6	57.2	91.1	129.3	181.6
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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CATALOG NUMBER: VST-E03-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1
2.5°	909.4	908.7	908.7	906.2	906.2	906.9	905.0	903.8	903.8	904.4	901.9
5°	946.3	944.4	944.4	941.9	938.9	938.9	936.4	935.8	934.6	932.1	930.2
7.5°	989.4	987.5	984.4	982.6	981.4	979.5	976.4	975.2	972.7	970.3	967.8
10°	1033.7	1031.2	1030.0	1026.9	1025.7	1022.0	1020.2	1020.8	1015.9	1014.0	1014.6
12.5°	1078.0	1075.6	1071.2	1070.0	1069.4	1065.7	1063.9	1062.7	1058.9	1058.3	1056.5
15°	1117.4	1118.6	1116.8	1113.7	1111.3	1110.7	1108.8	1107.6	1105.1	1102.7	1100.2
17.5°	1168.5	1170.4	1167.9	1163.6	1163.6	1163.0	1163.6	1163.0	1158.7	1160.5	1159.3
20°	1233.8	1235.0	1228.9	1230.7	1231.9	1231.3	1233.2	1235.0	1233.8	1233.8	1235.6
22.5°	1308.9	1310.8	1307.0	1309.5	1313.2	1310.2	1315.7	1315.1	1316.3	1318.1	1318.7
25°	1385.9	1389.5	1386.5	1393.3	1390.8	1393.3	1400.0	1398.2	1401.2	1406.2	1408.0
27.5°	1462.8	1465.3	1465.9	1470.2	1474.5	1478.2	1486.8	1486.8	1489.3	1497.9	1497.9
30°	1543.4	1546.0	1548.4	1554.5	1557.0	1563.8	1572.4	1574.9	1573.6	1585.9	1589.6
32.5°	1636.4	1638.9	1643.2	1650.6	1653.7	1660.4	1660.4	1667.2	1672.1	1682.6	1683.2
35°	1760.2	1762.0	1760.2	1759.6	1763.9	1773.1	1773.7	1783.6	1787.9	1798.4	1801.4
37.5°	1883.9	1883.3	1875.3	1866.7	1867.3	1863.6	1861.1	1865.5	1867.3	1867.9	1874.7
40°	2050.8	2034.8	2022.5	2000.9	1991.0	1975.7	1966.4	1965.8	1955.9	1954.7	1956.6
42.5°	2269.3	2250.8	2221.9	2185.6	2157.9	2129.6	2108.6	2096.3	2074.8	2063.7	2054.5
45°	2574.7	2529.1	2494.7	2451.6	2398.0	2348.8	2297.0	2273.6	2232.4	2207.2	2178.8
47.5°	2947.8	2902.9	2849.9	2805.6	2735.4	2667.1	2596.3	2534.0	2462.0	2404.8	2358.0
50°	3352.9	3326.4	3288.2	3247.0	3156.5	3111.5	3022.3	2938.0	2860.4	2758.2	2668.9
52.5°	3768.5	3783.8	3775.3	3760.5	3703.2	3686.0	3609.0	3506.2	3428.0	3357.8	3202.7
55°	4280.7	4299.2	4336.1	4357.7	4350.9	4394.6	4375.5	4295.5	4264.1	4231.4	4121.2
57.5°	5064.4	5196.2	5337.2	5461.0	5489.9	5645.0	5611.8	5691.8	5748.4	5707.8	5672.1
60°	5899.9	6165.8	6405.4	6655.9	6859.7	7012.4	7214.3	7350.4	7436.0	7589.9	7602.2
62.5°	6236.6	6598.1	6902.2	7192.8	7434.7	7646.5	7828.8	8016.5	8170.4	8309.6	8410.0
65°	6052.0	6429.4	6798.2	7093.1	7325.8	7508.0	7706.3	7855.3	8006.7	8096.0	8201.3
67.5°	5031.2	5531.1	5984.9	6317.3	6635.6	6820.9	7055.5	7202.0	7362.7	7456.9	7524.7
70°	3280.3	3931.0	4551.0	5055.2	5485.0	5701.0	5984.2	6184.3	6377.6	6382.6	6495.2
72.5°	1770.1	2314.3	2833.3	3348.6	3838.7	4126.2	4405.7	4648.9	4841.0	4759.1	4871.1
75°	985.7	1240.6	1524.4	1834.1	2132.6	2297.0	2505.7	2507.0	2606.1	2450.3	2489.8
77.5°	948.1	936.4	940.7	949.4	964.1	932.7	932.1	913.0	883.5	829.9	839.2
80°	1245.5	1096.5	989.4	821.3	661.2	539.3	505.4	513.5	537.5	585.5	646.4
82.5°	1800.8	1675.2	1495.4	1230.7	966.0	745.0	611.9	543.0	539.9	587.9	680.3
85°	1311.4	1387.1	1375.4	1148.2	946.9	769.0	559.6	472.8	391.6	372.5	405.1
87.5°	193.3	160.1	180.4	150.8	109.6	85.0	74.5	59.7	57.2	58.5	64.0
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°	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1
2.5°	902.6	900.1	897.7	899.5	897.7	897.0	895.2	893.9	893.3	893.3	893.3
5°	930.2	927.2	925.3	924.7	922.9	921.1	920.4	917.3	916.7	916.7	914.9
7.5°	967.8	965.3	962.3	960.4	959.2	956.1	953.0	952.4	951.8	949.4	947.5
10°	1011.5	1007.8	1004.2	1004.2	1001.7	1001.0	998.0	993.7	993.1	989.4	988.1
12.5°	1052.8	1051.6	1047.2	1046.0	1044.2	1042.3	1040.5	1038.6	1036.8	1033.7	1034.9
15°	1102.0	1099.0	1095.2	1095.9	1095.2	1092.8	1090.3	1088.5	1087.3	1086.0	1086.0
17.5°	1161.1	1159.9	1159.3	1156.2	1153.7	1155.6	1155.6	1155.6	1152.5	1153.1	1153.7
20°	1236.2	1237.5	1236.2	1233.8	1233.2	1235.0	1230.7	1237.5	1233.8	1231.3	1232.6
22.5°	1319.3	1323.7	1318.7	1319.3	1322.5	1323.7	1319.3	1324.9	1323.1	1319.3	1322.5
25°	1409.9	1412.9	1410.5	1409.9	1411.7	1416.0	1415.4	1414.8	1419.1	1415.4	1417.3
27.5°	1502.8	1504.7	1505.9	1507.7	1509.0	1508.4	1510.9	1510.9	1513.3	1509.0	1510.9
30°	1595.2	1595.2	1597.6	1600.1	1600.1	1600.1	1605.1	1605.7	1601.9	1603.2	1598.9
32.5°	1693.7	1694.3	1696.7	1696.7	1701.7	1702.3	1707.8	1700.5	1707.8	1701.7	1702.9
35°	1809.4	1817.5	1818.7	1824.8	1829.8	1831.6	1831.6	1832.2	1839.0	1834.1	1835.9
37.5°	1877.2	1879.0	1883.9	1887.0	1887.0	1889.5	1891.3	1889.5	1891.3	1890.7	1892.5
40°	1957.2	1955.3	1960.9	1962.1	1959.7	1962.7	1962.1	1960.3	1965.2	1961.5	1964.0
42.5°	2054.5	2044.0	2043.4	2048.3	2043.4	2045.8	2045.2	2040.9	2047.1	2048.9	2047.1
45°	2158.5	2153.0	2141.9	2141.9	2137.0	2135.1	2135.8	2135.1	2135.8	2143.1	2145.6
47.5°	2327.8	2294.0	2274.9	2257.0	2242.3	2241.6	2234.9	2238.5	2243.5	2255.8	2266.9
50°	2611.6	2533.4	2485.4	2441.1	2409.1	2398.0	2385.1	2383.9	2388.2	2402.3	2421.4
52.5°	3117.7	3009.4	2907.2	2812.3	2729.9	2666.5	2635.0	2618.4	2612.3	2626.4	2644.9
55°	4043.7	3839.3	3695.2	3599.2	3394.1	3307.3	3195.9	3144.8	3094.9	3099.8	3131.3
57.5°	5626.0	5515.7	5395.1	5227.0	5101.4	4949.9	4671.7	4516.5	4523.3	4559.6	4446.3
60°	7699.5	7588.0	7538.2	7385.5	7298.1	7237.1	7089.4	6832.0	6740.9	6723.7	6515.6
62.5°	8486.9	8513.4	8552.8	8595.9	8593.4	8619.9	8490.6	8406.9	8301.6	8164.9	7959.3
65°	8281.3	8348.4	8428.4	8544.2	8675.9	8773.2	8855.1	8845.3	8746.7	8564.5	8347.1
67.5°	7585.0	7651.4	7709.9	7865.1	8081.2	8278.8	8453.7	8572.5	8506.6	8355.8	8102.1
70°	6538.3	6586.4	6623.3	6758.2	6995.2	7236.5	7464.9	7664.4	7644.1	7461.2	7258.7
72.5°	4737.5	4853.9	4916.7	4907.5	5054.0	5324.3	5356.3	5526.8	5574.2	5377.2	5054.6
75°	2308.1	2309.9	2237.3	2213.3	2220.7	2267.5	2178.2	2183.8	2153.0	2013.2	1898.1
77.5°	806.5	784.4	731.4	668.6	578.7	494.4	408.8	371.9	359.5	323.2	298.0
80°	695.1	727.7	717.2	665.5	570.7	455.0	339.8	251.8	214.9	202.0	189.6
82.5°	789.3	914.9	994.9	990.6	860.7	646.4	403.3	231.5	165.0	144.7	133.0
85°	440.2	473.5	482.7	439.6	365.1	249.4	139.1	97.9	83.1	75.7	68.3
87.5°	70.2	64.0	62.8	54.8	51.7	47.4	41.9	39.4	36.3	34.5	34.5
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):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1
2.5°	892.7	892.1	890.2	888.4	887.2	886.6	886.0	884.7	884.1	883.5	882.2
5°	913.6	912.4	909.4	906.2	905.0	903.2	901.3	900.1	898.9	898.3	895.8
7.5°	946.3	945.1	941.3	938.9	938.3	933.4	932.7	930.9	927.8	927.2	923.5
10°	985.7	985.1	982.0	980.2	978.9	976.4	972.7	969.7	966.6	966.6	964.1
12.5°	1031.2	1028.8	1030.6	1026.3	1025.1	1022.6	1020.8	1020.2	1016.5	1013.4	1012.7
15°	1084.8	1081.7	1081.7	1080.5	1079.3	1076.8	1076.2	1076.8	1073.1	1074.4	1070.6
17.5°	1151.3	1152.5	1151.9	1151.9	1148.8	1148.8	1143.9	1150.1	1145.8	1148.8	1147.6
20°	1234.4	1235.0	1233.8	1235.6	1236.8	1236.2	1235.6	1235.0	1236.8	1239.4	1237.5
22.5°	1323.1	1323.1	1322.5	1329.2	1321.8	1327.4	1329.2	1325.5	1335.4	1334.2	1336.0
25°	1419.1	1419.1	1424.0	1429.6	1430.8	1426.5	1429.0	1425.9	1432.0	1436.9	1438.2
27.5°	1508.4	1516.4	1520.1	1516.4	1519.4	1526.2	1525.6	1525.6	1529.9	1528.7	1540.4
30°	1600.1	1605.1	1610.0	1607.5	1608.7	1617.4	1618.0	1618.6	1624.1	1632.1	1640.8
32.5°	1704.8	1709.7	1707.2	1715.2	1714.6	1725.1	1726.9	1728.8	1746.0	1742.9	1760.8
35°	1833.4	1838.4	1835.9	1844.5	1843.3	1847.0	1853.8	1861.1	1864.2	1882.1	1896.2
37.5°	1893.8	1893.8	1899.3	1909.2	1912.9	1919.0	1929.5	1938.7	1954.1	1973.2	1995.4
40°	1966.4	1968.3	1975.7	1986.1	1992.9	2007.1	2026.1	2039.1	2062.5	2083.4	2109.2
42.5°	2054.5	2062.5	2071.1	2085.2	2100.0	2122.2	2149.3	2165.9	2196.7	2223.8	2255.8
45°	2157.3	2165.3	2185.6	2211.5	2233.0	2257.6	2279.8	2319.2	2346.9	2375.2	2402.9
47.5°	2281.6	2305.0	2321.6	2352.4	2378.9	2411.6	2439.2	2476.2	2506.4	2540.8	2564.2
50°	2441.1	2470.0	2491.6	2531.6	2557.4	2593.8	2628.9	2656.6	2687.4	2721.2	2740.3
52.5°	2670.1	2699.7	2726.8	2776.6	2808.7	2833.3	2880.1	2914.6	2942.9	2967.5	2988.4
55°	3166.4	3157.7	3232.9	3329.5	3340.6	3429.8	3446.5	3475.4	3527.8	3535.1	3593.6
57.5°	4584.2	4539.9	4648.9	4790.5	4765.9	4720.9	4908.7	4920.4	4893.9	4964.7	4884.7
60°	6546.4	6468.8	6498.3	6537.1	6481.1	6454.6	6463.9	6490.3	6464.5	6436.1	6358.6
62.5°	7856.5	7737.1	7651.4	7579.4	7488.3	7422.4	7348.6	7257.4	7232.8	7129.4	7042.6
65°	8136.0	7950.1	7814.6	7678.6	7553.0	7436.6	7325.2	7247.0	7143.5	7021.0	6930.5
67.5°	7828.8	7598.5	7400.3	7202.6	7060.4	6889.3	6805.6	6678.1	6550.7	6410.3	6327.2
70°	6936.1	6695.9	6446.6	6253.3	6060.0	5848.2	5806.9	5656.1	5582.8	5391.4	5358.1
72.5°	4787.4	4627.3	4515.9	4277.0	4159.4	4051.1	4016.6	3876.8	3891.6	3681.7	3758.0
75°	1702.3	1679.5	1646.9	1512.1	1488.1	1446.2	1435.1	1425.2	1525.0	1386.5	1486.8
77.5°	292.4	290.6	274.0	266.0	281.3	271.5	274.0	269.0	298.0	302.3	295.5
80°	181.6	176.7	171.2	167.5	168.1	164.4	165.0	166.2	168.1	167.5	169.3
82.5°	124.4	120.1	117.6	115.1	118.8	120.1	123.1	126.2	131.2	134.2	137.9
85°	67.7	62.2	62.2	61.6	66.5	70.2	75.1	81.2	89.9	97.3	105.3
87.5°	34.5	33.2	33.8	35.1	39.4	42.5	48.7	54.2	61.6	69.5	77.0
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: P159312

CATALOG NUMBER: VST-E03-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1
2.5°	881.6	881.6	881.0	881.0	880.4	879.8	879.2	877.3	870.5	864.4	860.1
5°	895.2	893.3	892.7	890.9	890.2	889.0	887.2	885.3	873.0	861.9	853.9
7.5°	922.9	920.4	919.2	917.3	915.5	913.0	910.6	908.7	893.9	881.0	871.1
10°	959.2	958.0	957.4	954.9	954.9	951.2	950.6	946.3	930.2	918.5	910.0
12.5°	1009.7	1007.2	1006.6	1003.6	1004.8	1003.6	1002.3	999.8	988.1	974.6	962.9
15°	1072.5	1072.5	1069.4	1066.9	1067.6	1066.3	1068.8	1065.7	1058.3	1046.0	1026.9
17.5°	1148.2	1147.0	1148.2	1146.4	1147.6	1148.8	1145.8	1146.4	1142.7	1127.3	1099.0
20°	1236.2	1234.4	1241.8	1238.7	1245.5	1239.4	1240.6	1242.4	1242.4	1222.1	1183.9
22.5°	1337.2	1336.0	1336.0	1342.1	1344.6	1345.2	1347.7	1349.5	1354.4	1328.6	1267.7
25°	1438.2	1442.5	1443.1	1451.1	1454.8	1454.8	1456.7	1463.5	1478.2	1442.5	1363.7
27.5°	1541.0	1551.5	1553.9	1559.5	1565.0	1570.6	1574.9	1579.8	1603.8	1565.0	1462.2
30°	1643.8	1655.5	1664.2	1670.3	1677.1	1690.6	1693.1	1702.9	1742.9	1695.5	1555.8
32.5°	1764.5	1781.1	1792.2	1800.2	1810.7	1823.6	1831.0	1843.3	1882.1	1804.5	1624.1
35°	1908.5	1918.4	1934.4	1948.0	1954.1	1976.3	1988.0	1991.0	2020.6	1898.7	1674.6
37.5°	2008.3	2024.9	2052.6	2071.7	2082.8	2095.1	2114.8	2127.7	2156.0	1984.3	1699.9
40°	2135.1	2160.4	2182.5	2210.8	2228.7	2237.9	2257.6	2268.1	2271.8	2057.5	1691.8
42.5°	2289.7	2312.5	2342.0	2364.8	2378.3	2388.8	2404.8	2409.1	2361.1	2092.0	1648.7
45°	2434.9	2470.0	2495.3	2511.9	2521.7	2527.3	2537.2	2537.8	2434.9	2074.8	1574.9
47.5°	2591.3	2616.5	2639.9	2651.6	2650.4	2651.6	2648.0	2645.5	2471.9	2015.0	1480.1
50°	2764.3	2780.9	2790.8	2796.4	2799.4	2787.7	2771.1	2760.0	2474.9	1930.1	1384.0
52.5°	2996.5	3017.3	3015.5	3014.9	2990.3	2979.2	2934.8	2912.1	2457.1	1830.4	1275.7
55°	3584.4	3564.1	3524.0	3543.8	3443.4	3391.1	3322.1	3258.1	2480.5	1735.6	1150.1
57.5°	4916.7	4924.7	4810.8	4749.8	4580.5	4368.7	4198.2	4032.6	2691.1	1677.7	986.3
60°	6306.8	6202.2	6057.5	5837.1	5619.2	5304.5	5001.1	4714.1	2901.0	1617.4	792.4
62.5°	6913.9	6764.9	6546.4	6261.3	5919.0	5534.2	5156.2	4806.5	2799.4	1422.2	576.2
65°	6790.7	6563.0	6321.7	5987.9	5571.8	5150.0	4708.6	4351.5	2342.0	1060.8	355.3
67.5°	6146.8	5953.4	5698.6	5302.7	4857.6	4418.6	4014.1	3613.9	1739.9	661.2	198.8
70°	5188.2	4999.2	4740.6	4335.5	3891.0	3471.1	3042.6	2716.3	1108.8	318.9	143.5
72.5°	3599.2	3445.9	3263.0	2974.3	2584.6	2202.8	1912.9	1662.3	614.5	169.3	131.2
75°	1461.6	1462.2	1429.0	1307.0	1104.5	952.4	812.0	688.9	256.7	144.1	129.3
77.5°	331.2	336.8	368.2	349.1	314.6	294.3	263.5	232.7	156.4	148.4	130.5
80°	167.5	168.1	166.2	166.9	165.0	165.6	163.1	161.3	146.5	152.7	130.5
82.5°	139.7	142.9	142.2	142.2	142.9	142.9	142.9	142.2	152.0	160.7	126.2
85°	110.8	117.0	121.9	126.8	132.4	136.1	137.9	139.7	147.8	158.2	114.5
87.5°	83.8	91.1	97.3	102.2	110.8	110.8	117.0	121.3	121.3	123.7	60.4
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: P159312

CATALOG NUMBER: VST-E03-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	884.1	884.1	884.1	884.1	884.1
2.5°	853.9	851.5	849.0	847.7	845.3
5°	847.7	842.8	839.8	839.8	837.3
7.5°	865.6	863.8	859.4	857.0	859.4
10°	903.8	900.7	895.8	892.1	893.9
12.5°	954.9	942.6	932.7	928.4	925.3
15°	1007.8	983.2	963.5	952.4	949.4
17.5°	1064.5	1021.4	991.9	975.2	972.1
20°	1122.4	1068.8	1026.9	1005.4	1004.8
22.5°	1191.9	1120.5	1066.9	1038.6	1036.8
25°	1265.2	1166.7	1095.9	1059.5	1055.9
27.5°	1328.6	1203.6	1113.7	1070.6	1066.9
30°	1381.6	1231.3	1128.5	1078.6	1073.7
32.5°	1419.7	1247.3	1134.7	1081.1	1075.6
35°	1432.0	1241.2	1117.4	1058.9	1052.8
37.5°	1415.4	1201.1	1069.4	1004.8	997.4
40°	1365.5	1131.0	991.2	924.7	915.5
42.5°	1289.2	1044.8	897.0	833.6	821.9
45°	1195.0	947.5	803.5	732.7	727.1
47.5°	1096.5	845.3	698.2	634.1	627.4
50°	990.0	727.1	595.3	525.8	525.8
52.5°	863.2	611.9	475.9	423.6	419.3
55°	717.2	482.0	379.3	339.2	333.7
57.5°	560.3	370.6	302.9	279.5	273.4
60°	411.9	278.3	243.8	230.9	228.4
62.5°	279.5	211.8	196.4	190.9	190.3
65°	189.0	165.0	160.7	158.8	159.5
67.5°	145.3	137.3	135.4	134.8	134.8
70°	126.2	121.3	119.5	120.1	119.5
72.5°	118.8	112.1	112.7	113.9	113.3
75°	116.3	107.8	110.2	110.8	108.4
77.5°	114.5	102.8	109.0	110.8	104.0
80°	110.8	98.5	113.3	113.9	102.2
82.5°	101.6	87.4	113.3	104.6	92.3
85°	86.2	66.5	128.0	91.1	68.3
87.5°	54.8	39.4	86.8	62.2	41.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)