

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: P159309

Luminaire Tested: **VST-E03-LED-E-U-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159309
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-T2-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8457.7 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

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



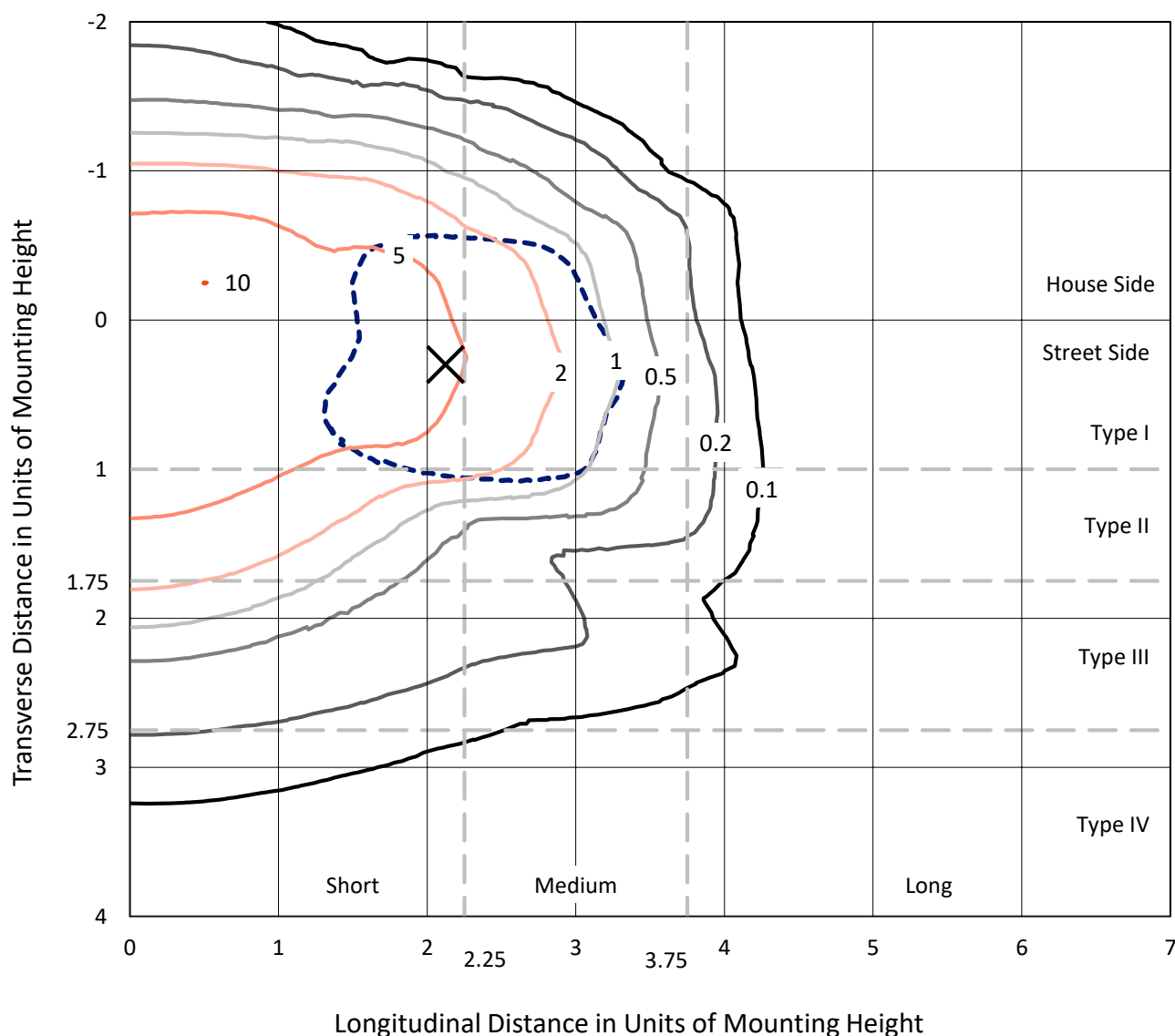
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

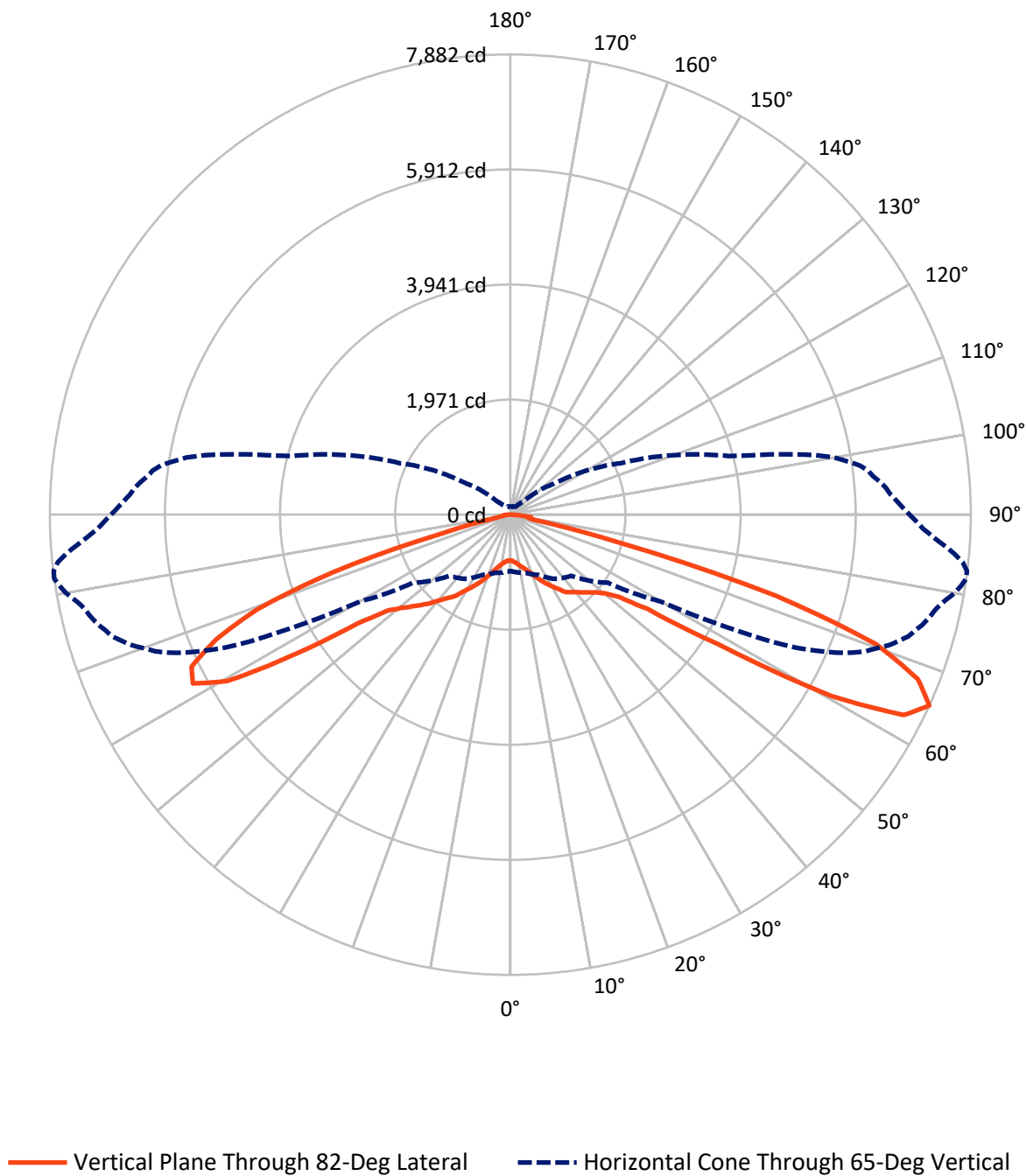


Based on 10 foot mounting height. Maximum calculated value = 10 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3149.1	0.0	3149.1
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	5308.7	0.0	5308.7
	% Fixture	62.8	0.0	62.8
Total	Lumens	8457.7	0.0	8457.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	0.9
10°-20°	279.9	3.3
20°-30°	554.7	6.6
30°-40°	950.8	11.2
40°-50°	1428.4	16.9
50°-60°	1984.5	23.5
60°-70°	2264.0	26.8
70°-80°	779.9	9.2
80°-90°	135.9	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°	8457.7	100.0
0°-180°	8457.7	100.0

Coefficient of Utilization



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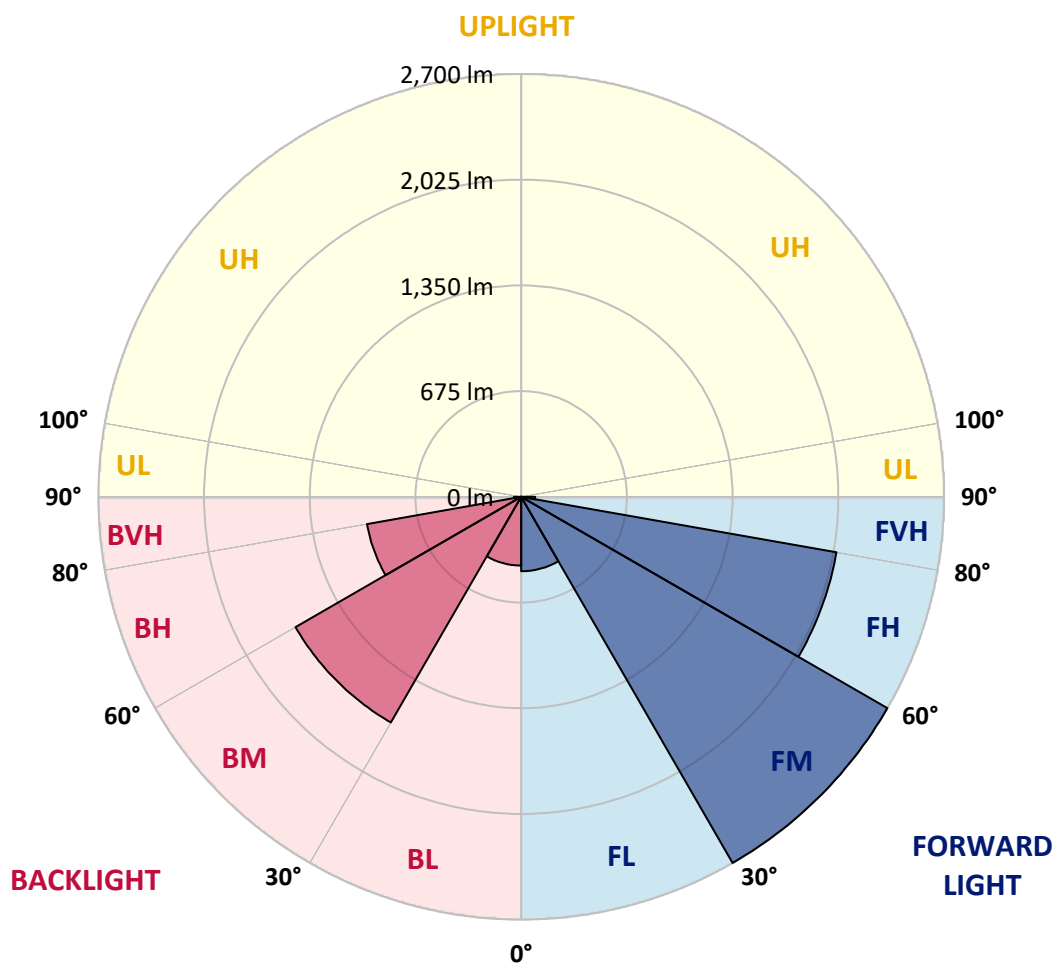
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	475.1	5.6			
FM	(30°-60°)	2699.9	31.9			
FH	(60°-80°)	2044.1	24.2			G2/5000
FVH	(80°-90°)	89.5	1.1			G1/100
BL	(0°-30°)	439.1	5.2	B1/500		
BM	(30°-60°)	1663.8	19.7	B2/2500		
BH	(60°-80°)	999.7	11.8	B2/1000		G2/1000
BVH	(80°-90°)	46.4	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°	60°	61°	62°	64°
0°	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0
2.5°	829.7	830.2	829.7	828.1	827.5	822.5	817.1	814.3	813.8	811.6	812.2
5°	881.2	879.5	877.4	874.6	871.9	863.6	854.3	849.4	847.8	846.1	844.0
7.5°	927.2	928.3	927.2	923.4	916.3	905.9	893.8	886.1	885.6	883.9	882.3
10°	986.4	989.2	982.6	976.0	966.1	950.2	936.5	926.7	925.0	922.9	921.8
12.5°	1050.5	1051.1	1048.9	1034.1	1017.7	995.8	976.0	966.1	964.0	961.2	960.1
15°	1119.1	1119.6	1107.5	1093.3	1068.1	1041.8	1014.4	1003.4	1000.7	1001.2	996.8
17.5°	1173.3	1174.4	1162.9	1144.8	1114.7	1083.4	1053.8	1045.1	1043.4	1043.9	1041.8
20°	1196.9	1198.5	1191.4	1177.7	1149.2	1121.8	1100.4	1094.9	1094.4	1093.3	1097.6
22.5°	1195.7	1196.3	1193.6	1188.1	1171.1	1155.2	1152.5	1155.8	1155.2	1156.3	1160.2
25°	1185.9	1187.5	1187.0	1189.2	1186.4	1192.5	1205.1	1216.6	1218.2	1220.4	1227.5
27.5°	1211.1	1214.4	1210.6	1212.7	1217.2	1237.4	1263.2	1280.7	1284.0	1290.0	1296.1
30°	1309.7	1305.4	1300.4	1294.9	1297.7	1310.3	1339.3	1354.7	1356.3	1360.7	1368.9
32.5°	1456.1	1451.2	1446.7	1438.0	1435.8	1430.3	1440.2	1444.0	1443.5	1447.9	1450.0
35°	1621.0	1621.6	1620.5	1627.0	1632.5	1604.6	1570.0	1560.7	1564.6	1559.6	1560.7
37.5°	1761.8	1763.5	1792.6	1828.7	1839.1	1821.6	1745.9	1708.7	1696.1	1694.5	1681.9
40°	1918.0	1918.0	1961.9	2006.3	2035.3	2057.2	1967.3	1901.6	1874.8	1867.1	1835.8
42.5°	2089.6	2080.8	2120.8	2169.6	2223.3	2273.2	2226.5	2152.6	2114.2	2100.5	2045.7
45°	2230.4	2224.9	2244.7	2290.1	2377.3	2474.8	2481.4	2443.6	2420.6	2392.1	2341.6
47.5°	2317.0	2314.3	2325.8	2375.1	2484.1	2642.0	2730.2	2749.4	2735.6	2713.7	2665.0
50°	2351.0	2347.1	2355.4	2410.1	2532.4	2740.6	2935.7	3026.1	3032.7	3037.6	3022.3
52.5°	2338.9	2334.0	2351.0	2397.0	2524.1	2775.1	3096.2	3270.0	3299.0	3323.7	3374.1
55°	2223.3	2215.6	2261.6	2348.2	2488.5	2762.5	3213.5	3504.5	3565.9	3631.7	3743.5
57.5°	2046.3	2039.7	2106.0	2224.9	2425.5	2728.0	3292.4	3801.0	3939.1	4057.4	4374.8
60°	1875.8	1870.4	1909.3	2024.3	2221.1	2559.8	3194.9	3900.7	4132.6	4387.9	4967.2
62.5°	1571.2	1556.3	1608.4	1705.4	1829.8	2117.5	2769.1	3678.8	4036.1	4411.5	5196.8
65°	965.6	986.9	1031.9	1139.3	1343.2	1480.2	2033.6	2976.2	3447.5	3918.3	4937.0
67.5°	613.2	619.3	652.7	727.2	885.1	1022.6	1232.5	1867.6	2230.9	2694.0	3876.1
70°	525.5	529.4	557.9	635.7	744.7	914.1	932.7	975.5	1105.9	1400.7	2278.6
72.5°	414.3	420.9	443.3	510.7	642.2	824.2	1151.3	771.1	744.7	769.4	1111.9
75°	246.6	254.3	272.9	309.6	412.7	630.2	1206.2	897.1	836.3	788.6	767.2
77.5°	130.4	124.9	137.6	158.9	212.1	335.9	906.4	1099.3	1056.5	999.6	878.5
80°	64.7	66.8	70.7	75.1	94.8	136.4	453.2	1137.1	1260.4	1315.2	1207.8
82.5°	25.7	29.0	41.1	43.9	52.1	58.1	145.8	630.2	902.6	1224.2	1598.5
85°	13.1	12.6	21.9	26.3	30.7	27.4	51.5	235.1	423.1	659.3	1068.1
87.5°	1.6	2.2	4.9	6.6	9.3	8.8	14.8	50.9	81.1	115.1	161.6
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0
2.5°	809.4	808.9	808.9	806.7	806.7	807.2	805.6	804.5	804.5	805.0	802.9
5°	842.3	840.7	840.7	838.4	835.7	835.7	833.5	833.0	831.9	829.7	828.1
7.5°	880.7	879.0	876.2	874.6	873.5	871.9	869.2	868.0	865.9	863.6	861.5
10°	920.1	917.9	916.8	914.1	913.0	909.7	908.0	908.6	904.2	902.6	903.1
12.5°	959.6	957.4	953.5	952.4	951.9	948.6	947.0	945.8	942.6	942.0	940.4
15°	994.6	995.8	994.1	991.4	989.2	988.6	986.9	985.9	983.7	981.5	979.3
17.5°	1040.1	1041.8	1039.6	1035.7	1035.7	1035.2	1035.7	1035.2	1031.3	1033.0	1031.9
20°	1098.2	1099.3	1093.8	1095.5	1096.6	1096.0	1097.6	1099.3	1098.2	1098.2	1099.9
22.5°	1165.1	1166.7	1163.4	1165.6	1168.9	1166.2	1171.1	1170.5	1171.6	1173.3	1173.8
25°	1233.6	1236.8	1234.1	1240.1	1238.0	1240.1	1246.2	1244.5	1247.3	1251.7	1253.3
27.5°	1302.1	1304.3	1304.8	1308.7	1312.5	1315.8	1323.4	1323.4	1325.6	1333.3	1333.3
30°	1373.9	1376.0	1378.3	1383.7	1385.9	1391.9	1399.6	1401.8	1400.7	1411.7	1415.0
32.5°	1456.6	1458.8	1462.6	1469.2	1472.0	1478.0	1478.0	1484.0	1488.4	1497.7	1498.3
35°	1566.8	1568.4	1566.8	1566.2	1570.0	1578.2	1578.8	1587.6	1591.4	1600.7	1603.5
37.5°	1676.9	1676.3	1669.3	1661.6	1662.1	1658.8	1656.7	1660.5	1662.1	1662.7	1668.7
40°	1825.4	1811.2	1800.2	1781.0	1772.3	1758.5	1750.3	1749.8	1741.0	1739.9	1741.6
42.5°	2020.0	2003.5	1977.8	1945.4	1920.8	1895.6	1876.9	1866.0	1846.8	1837.0	1828.7
45°	2291.8	2251.2	2220.5	2182.2	2134.5	2090.6	2044.6	2023.8	1987.1	1964.6	1939.4
47.5°	2623.9	2583.8	2536.7	2497.3	2434.8	2374.0	2311.0	2255.6	2191.5	2140.5	2098.9
50°	2984.5	2960.9	2926.9	2890.2	2809.6	2769.7	2690.2	2615.1	2546.0	2455.1	2375.6
52.5°	3354.4	3368.1	3360.4	3347.2	3296.3	3280.9	3212.5	3120.9	3051.3	2988.8	2850.7
55°	3810.3	3826.7	3859.6	3878.8	3872.8	3911.7	3894.7	3823.4	3795.5	3766.5	3668.4
57.5°	4507.9	4625.2	4750.7	4860.8	4886.6	5024.7	4995.1	5066.3	5116.8	5080.6	5048.8
60°	5251.6	5488.3	5701.5	5924.5	6105.9	6241.9	6421.6	6542.7	6618.8	6755.9	6766.8
62.5°	5551.3	5873.0	6143.8	6402.4	6617.8	6806.3	6968.5	7135.6	7272.7	7396.5	7485.8
65°	5386.9	5722.9	6051.1	6313.6	6520.8	6683.0	6859.4	6992.0	7126.9	7206.4	7300.0
67.5°	4478.3	4923.3	5327.2	5623.1	5906.5	6071.4	6280.2	6410.6	6553.7	6637.5	6697.8
70°	2919.8	3499.0	4050.9	4499.7	4882.2	5074.6	5326.7	5504.8	5676.8	5681.2	5781.5
72.5°	1575.5	2060.0	2521.9	2980.6	3416.8	3672.8	3921.5	4138.0	4309.0	4236.1	4335.8
75°	877.4	1104.2	1356.9	1632.5	1898.3	2044.6	2230.4	2231.5	2319.7	2181.1	2216.2
77.5°	844.0	833.5	837.4	845.0	858.2	830.2	829.7	812.7	786.4	738.7	746.9
80°	1108.6	976.0	880.7	731.0	588.5	480.1	449.9	457.0	478.4	521.2	575.4
82.5°	1602.9	1491.1	1331.1	1095.5	859.8	663.1	544.7	483.4	480.6	523.3	605.6
85°	1167.2	1234.7	1224.2	1022.0	842.8	684.5	498.1	420.9	348.5	331.6	360.6
87.5°	172.1	142.5	160.6	134.3	97.6	75.6	66.3	53.2	50.9	52.1	57.0
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°	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0
2.5°	803.4	801.2	799.0	800.6	799.0	798.5	796.8	795.7	795.2	795.2	795.2
5°	828.1	825.3	823.7	823.1	821.5	819.8	819.3	816.5	816.0	816.0	814.3
7.5°	861.5	859.3	856.6	854.9	853.8	851.0	848.3	847.8	847.2	845.0	843.4
10°	900.4	897.1	893.8	893.8	891.6	891.1	888.3	884.5	883.9	880.7	879.5
12.5°	937.1	936.0	932.2	931.1	929.4	927.8	926.2	924.5	922.9	920.1	921.2
15°	980.9	978.2	974.9	975.5	974.9	972.7	970.5	968.9	967.8	966.7	966.7
17.5°	1033.6	1032.5	1031.9	1029.2	1027.0	1028.6	1028.6	1028.6	1025.9	1026.4	1027.0
20°	1100.4	1101.5	1100.4	1098.2	1097.6	1099.3	1095.5	1101.5	1098.2	1096.0	1097.1
22.5°	1174.4	1178.2	1173.8	1174.4	1177.1	1178.2	1174.4	1179.3	1177.7	1174.4	1177.1
25°	1255.0	1257.7	1255.5	1255.0	1256.6	1260.4	1259.9	1259.3	1263.2	1259.9	1261.5
27.5°	1337.7	1339.3	1340.5	1342.1	1343.2	1342.6	1344.8	1344.8	1347.0	1343.2	1344.8
30°	1419.9	1419.9	1422.1	1424.3	1424.3	1424.3	1428.7	1429.2	1425.9	1427.0	1423.2
32.5°	1507.6	1508.1	1510.3	1510.3	1514.7	1515.2	1520.2	1513.6	1520.2	1514.7	1515.8
35°	1610.6	1617.7	1618.8	1624.3	1628.7	1630.3	1630.3	1630.9	1636.9	1632.5	1634.2
37.5°	1670.9	1672.5	1676.9	1679.6	1679.6	1681.9	1683.5	1681.9	1683.5	1682.9	1684.6
40°	1742.1	1740.5	1745.4	1746.5	1744.3	1747.1	1746.5	1744.9	1749.2	1745.9	1748.2
42.5°	1828.7	1819.4	1818.8	1823.2	1818.8	1821.1	1820.5	1816.7	1822.1	1823.8	1822.1
45°	1921.3	1916.4	1906.5	1906.5	1902.1	1900.5	1901.0	1900.5	1901.0	1907.6	1909.8
47.5°	2072.0	2041.9	2024.9	2009.0	1995.8	1995.3	1989.3	1992.5	1996.9	2007.9	2017.8
50°	2324.6	2255.0	2212.3	2172.8	2144.3	2134.5	2123.0	2121.9	2125.7	2138.3	2155.3
52.5°	2775.1	2678.7	2587.7	2503.3	2429.9	2373.4	2345.5	2330.7	2325.2	2337.8	2354.3
55°	3599.3	3417.4	3289.1	3203.6	3021.2	2943.9	2844.7	2799.2	2754.8	2759.2	2787.2
57.5°	5007.7	4909.6	4802.2	4652.6	4540.8	4406.0	4158.3	4020.2	4026.2	4058.6	3957.7
60°	6853.4	6754.2	6709.9	6574.0	6496.1	6441.8	6310.3	6081.2	6000.2	5984.8	5799.6
62.5°	7554.3	7577.9	7613.0	7651.3	7649.1	7672.7	7557.6	7483.1	7389.4	7267.7	7084.7
65°	7371.3	7431.0	7502.3	7605.3	7722.5	7809.1	7882.0	7873.3	7785.6	7623.4	7429.9
67.5°	6751.5	6810.7	6862.7	7000.9	7193.2	7369.1	7524.7	7630.5	7571.9	7437.6	7211.8
70°	5819.9	5862.6	5895.5	6015.5	6226.5	6441.3	6644.6	6822.2	6804.1	6641.3	6461.0
72.5°	4216.9	4320.5	4376.4	4368.2	4498.6	4739.2	4767.7	4919.5	4961.7	4786.3	4499.2
75°	2054.5	2056.1	1991.5	1970.1	1976.7	2018.3	1938.8	1943.8	1916.4	1792.0	1689.5
77.5°	717.9	698.2	651.1	595.1	515.1	440.0	363.9	331.0	320.0	287.7	265.3
80°	618.7	647.8	638.5	592.4	508.0	405.0	302.5	224.2	191.3	179.8	168.8
82.5°	702.5	814.3	885.6	881.8	766.1	575.4	358.9	206.0	146.9	128.8	118.4
85°	391.8	421.4	429.7	391.3	325.0	221.9	123.8	87.1	74.0	67.4	60.8
87.5°	62.5	57.0	55.9	48.8	46.0	42.2	37.3	35.1	32.3	30.7	30.7
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):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0
2.5°	794.6	794.0	792.4	790.8	789.7	789.1	788.6	787.5	787.0	786.4	785.3
5°	813.2	812.2	809.4	806.7	805.6	803.9	802.3	801.2	800.1	799.6	797.3
7.5°	842.3	841.2	837.9	835.7	835.1	830.8	830.2	828.6	825.8	825.3	822.0
10°	877.4	876.8	874.1	872.5	871.3	869.2	865.9	863.1	860.4	860.4	858.2
12.5°	917.9	915.7	917.3	913.6	912.4	910.3	908.6	908.0	904.7	902.0	901.5
15°	965.6	962.9	962.9	961.7	960.7	958.4	957.9	958.4	955.2	956.3	953.0
17.5°	1024.8	1025.9	1025.3	1025.3	1022.6	1022.6	1018.2	1023.7	1019.8	1022.6	1021.5
20°	1098.8	1099.3	1098.2	1099.9	1100.9	1100.4	1099.9	1099.3	1100.9	1103.2	1101.5
22.5°	1177.7	1177.7	1177.1	1183.1	1176.6	1181.5	1183.1	1179.8	1188.7	1187.5	1189.2
25°	1263.2	1263.2	1267.6	1272.5	1273.6	1269.7	1271.9	1269.2	1274.7	1279.1	1280.2
27.5°	1342.6	1349.8	1353.1	1349.8	1352.5	1358.5	1358.0	1358.0	1361.8	1360.7	1371.1
30°	1424.3	1428.7	1433.0	1430.9	1432.0	1439.6	1440.2	1440.7	1445.6	1452.8	1460.5
32.5°	1517.5	1521.8	1519.6	1526.8	1526.2	1535.5	1537.1	1538.8	1554.2	1551.4	1567.3
35°	1632.0	1636.4	1634.2	1641.8	1640.8	1644.1	1650.1	1656.7	1659.4	1675.3	1687.9
37.5°	1685.7	1685.7	1690.6	1699.4	1702.7	1708.1	1717.4	1725.7	1739.4	1756.4	1776.1
40°	1750.3	1752.0	1758.5	1767.9	1773.9	1786.5	1803.5	1815.0	1835.8	1854.5	1877.5
42.5°	1828.7	1835.8	1843.5	1856.1	1869.2	1889.0	1913.1	1927.9	1955.3	1979.4	2007.9
45°	1920.2	1927.4	1945.4	1968.5	1987.6	2009.6	2029.3	2064.4	2089.0	2114.2	2138.9
47.5°	2030.9	2051.8	2066.5	2093.9	2117.5	2146.6	2171.2	2204.1	2230.9	2261.6	2282.5
50°	2172.8	2198.6	2217.8	2253.4	2276.5	2308.7	2340.0	2364.7	2392.1	2422.2	2439.2
52.5°	2376.7	2403.0	2427.1	2471.5	2500.0	2521.9	2563.6	2594.3	2619.5	2641.4	2660.0
55°	2818.4	2810.8	2877.6	2963.6	2973.5	3053.0	3067.7	3093.5	3140.1	3146.7	3198.7
57.5°	4080.5	4041.0	4138.0	4264.1	4242.1	4202.2	4369.3	4379.7	4356.1	4419.2	4347.9
60°	5827.0	5758.0	5784.2	5818.8	5768.9	5745.4	5753.6	5777.1	5754.1	5728.9	5659.9
62.5°	6993.2	6886.9	6810.7	6746.6	6665.5	6606.8	6541.0	6460.0	6438.0	6346.0	6268.7
65°	7241.9	7076.5	6955.9	6834.8	6723.0	6619.4	6520.2	6450.6	6358.6	6249.5	6169.0
67.5°	6968.5	6763.6	6587.1	6411.2	6284.6	6132.2	6057.7	5944.3	5830.8	5705.9	5631.9
70°	6173.9	5960.2	5738.2	5566.1	5394.1	5205.5	5168.8	5034.5	4969.4	4798.9	4769.3
72.5°	4261.3	4118.8	4019.6	3807.0	3702.4	3605.9	3575.2	3450.8	3464.0	3277.1	3345.1
75°	1515.2	1495.0	1465.9	1345.9	1324.6	1287.3	1277.4	1268.6	1357.4	1234.1	1323.4
77.5°	260.3	258.7	243.8	236.8	250.4	241.7	243.8	239.5	265.3	269.1	263.0
80°	161.6	157.3	152.3	149.0	149.6	146.3	146.9	148.0	149.6	149.0	150.7
82.5°	110.7	106.9	104.6	102.5	105.8	106.9	109.6	112.3	116.7	119.5	122.8
85°	60.3	55.3	55.3	54.8	59.2	62.5	66.8	72.4	80.0	86.6	93.7
87.5°	30.7	29.6	30.1	31.3	35.1	37.8	43.3	48.2	54.8	61.9	68.5
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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CATALOG NUMBER: VST-E03-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0
2.5°	784.7	784.7	784.2	784.2	783.7	783.1	782.6	780.9	774.9	769.4	765.6
5°	796.8	795.2	794.6	793.0	792.4	791.3	789.7	788.0	777.1	767.2	760.1
7.5°	821.5	819.3	818.2	816.5	814.9	812.7	810.5	808.9	795.7	784.2	775.4
10°	853.8	852.7	852.2	850.0	850.0	846.7	846.1	842.3	828.1	817.6	809.9
12.5°	898.7	896.5	896.0	893.3	894.4	893.3	892.1	890.0	879.5	867.5	857.1
15°	954.7	954.7	951.9	949.7	950.2	949.1	951.4	948.6	942.0	931.1	914.1
17.5°	1022.0	1021.0	1022.0	1020.4	1021.5	1022.6	1019.8	1020.4	1017.1	1003.4	978.2
20°	1100.4	1098.8	1105.3	1102.6	1108.6	1103.2	1104.2	1105.9	1105.9	1087.8	1053.8
22.5°	1190.3	1189.2	1189.2	1194.7	1196.9	1197.4	1199.6	1201.3	1205.6	1182.6	1128.4
25°	1280.2	1284.0	1284.5	1291.7	1294.9	1294.9	1296.6	1302.6	1315.8	1284.0	1213.9
27.5°	1371.7	1381.0	1383.2	1388.1	1393.0	1398.0	1401.8	1406.2	1427.6	1393.0	1301.5
30°	1463.2	1473.6	1481.3	1486.7	1492.8	1504.9	1507.0	1515.8	1551.4	1509.2	1384.8
32.5°	1570.6	1585.4	1595.3	1602.4	1611.7	1623.2	1629.8	1640.8	1675.3	1606.2	1445.6
35°	1698.8	1707.6	1721.8	1733.9	1739.4	1759.1	1769.5	1772.3	1798.6	1690.1	1490.6
37.5°	1787.6	1802.4	1827.1	1844.0	1853.9	1864.9	1882.4	1893.9	1919.2	1766.2	1513.1
40°	1900.5	1922.9	1942.7	1967.9	1983.8	1992.0	2009.6	2018.9	2022.2	1831.4	1505.9
42.5°	2038.0	2058.3	2084.6	2104.9	2117.0	2126.3	2140.5	2144.3	2101.6	1862.2	1467.6
45°	2167.4	2198.6	2221.1	2235.9	2244.7	2249.6	2258.3	2258.9	2167.4	1846.8	1401.8
47.5°	2306.6	2329.0	2349.8	2360.3	2359.2	2360.3	2357.0	2354.8	2200.3	1793.6	1317.4
50°	2460.5	2475.4	2484.1	2489.0	2491.8	2481.4	2466.6	2456.7	2203.0	1718.0	1231.9
52.5°	2667.2	2685.8	2684.2	2683.6	2661.7	2651.8	2612.3	2592.1	2187.1	1629.2	1135.5
55°	3190.5	3172.4	3136.8	3154.3	3065.0	3018.4	2957.0	2900.0	2207.9	1544.8	1023.7
57.5°	4376.4	4383.5	4282.1	4227.9	4077.2	3888.7	3736.9	3589.4	2395.4	1493.3	877.9
60°	5613.8	5520.7	5391.9	5195.7	5001.7	4721.6	4451.5	4196.1	2582.2	1439.6	705.3
62.5°	6154.1	6021.5	5827.0	5573.3	5268.6	4926.1	4589.6	4278.3	2491.8	1265.9	512.9
65°	6044.6	5841.8	5627.0	5329.9	4959.5	4584.1	4191.2	3873.4	2084.6	944.2	316.2
67.5°	5471.3	5299.3	5072.4	4720.0	4323.8	3933.1	3573.0	3216.8	1548.7	588.5	177.0
70°	4618.1	4449.8	4219.7	3859.1	3463.4	3089.7	2708.3	2417.8	986.9	283.9	127.7
72.5°	3203.6	3067.2	2904.5	2647.4	2300.5	1960.8	1702.7	1479.6	546.9	150.7	116.7
75°	1301.0	1301.5	1271.9	1163.4	983.2	847.8	722.8	613.2	228.5	128.2	115.1
77.5°	294.8	299.8	327.7	310.7	280.0	262.0	234.5	207.1	139.2	132.1	116.2
80°	149.0	149.6	148.0	148.5	146.9	147.4	145.2	143.6	130.4	135.9	116.2
82.5°	124.4	127.1	126.6	126.6	127.1	127.1	127.1	126.6	135.4	143.0	112.3
85°	98.6	104.1	108.5	112.9	117.8	121.1	122.8	124.4	131.5	140.8	101.9
87.5°	74.5	81.1	86.6	91.0	98.6	98.6	104.1	107.9	107.9	110.2	53.7
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: P159309

CATALOG NUMBER: VST-E03-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	787.0	787.0	787.0	787.0	787.0
2.5°	760.1	757.9	755.7	754.6	752.4
5°	754.6	750.2	747.5	747.5	745.3
7.5°	770.5	768.8	765.0	762.8	765.0
10°	804.5	801.7	797.3	794.0	795.7
12.5°	850.0	839.0	830.2	826.4	823.7
15°	897.1	875.2	857.6	847.8	845.0
17.5°	947.5	909.1	882.8	868.0	865.3
20°	999.0	951.4	914.1	894.9	894.4
22.5°	1060.9	997.4	949.7	924.5	922.9
25°	1126.1	1038.5	975.5	943.1	939.8
27.5°	1182.6	1071.4	991.4	953.0	949.7
30°	1229.8	1096.0	1004.5	960.1	955.7
32.5°	1263.7	1110.2	1010.0	962.3	957.4
35°	1274.7	1104.8	994.6	942.6	937.1
37.5°	1259.9	1069.1	951.9	894.4	887.8
40°	1215.5	1006.7	882.3	823.1	814.9
42.5°	1147.6	930.0	798.5	742.0	731.6
45°	1063.7	843.4	715.1	652.1	647.2
47.5°	976.0	752.4	621.4	564.5	558.4
50°	881.2	647.2	529.9	468.0	468.0
52.5°	768.3	544.7	423.6	377.0	373.2
55°	638.5	429.1	337.6	302.0	297.0
57.5°	498.7	329.9	269.6	248.8	243.3
60°	366.6	247.7	217.0	205.5	203.3
62.5°	248.8	188.5	174.8	169.9	169.3
65°	168.2	146.9	143.0	141.4	142.0
67.5°	129.4	122.2	120.5	120.0	120.0
70°	112.3	107.9	106.3	106.9	106.3
72.5°	105.8	99.7	100.3	101.4	100.9
75°	103.6	95.9	98.1	98.6	96.4
77.5°	101.9	91.5	97.0	98.6	92.6
80°	98.6	87.7	100.9	101.4	91.0
82.5°	90.4	77.8	100.9	93.2	82.2
85°	76.7	59.2	114.0	81.1	60.8
87.5°	48.8	35.1	77.3	55.3	36.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)