

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: P159314

Luminaire Tested: **VST-F03-LED-E-U-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159314
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-F03-LED-E-U-T2-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6982.1 lumens
Efficiency: N/A
Efficacy: 89.2 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): 78.3
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



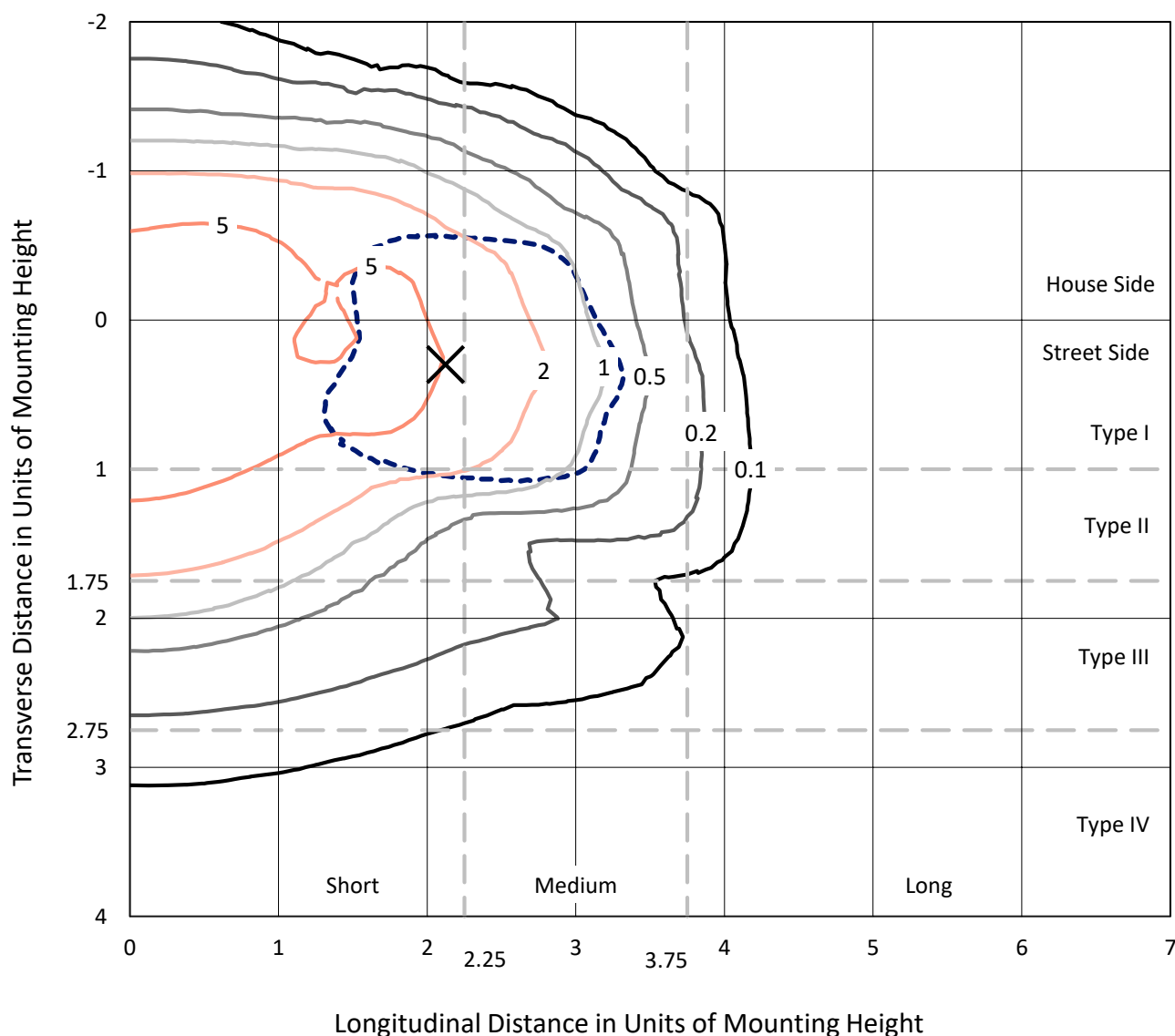
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

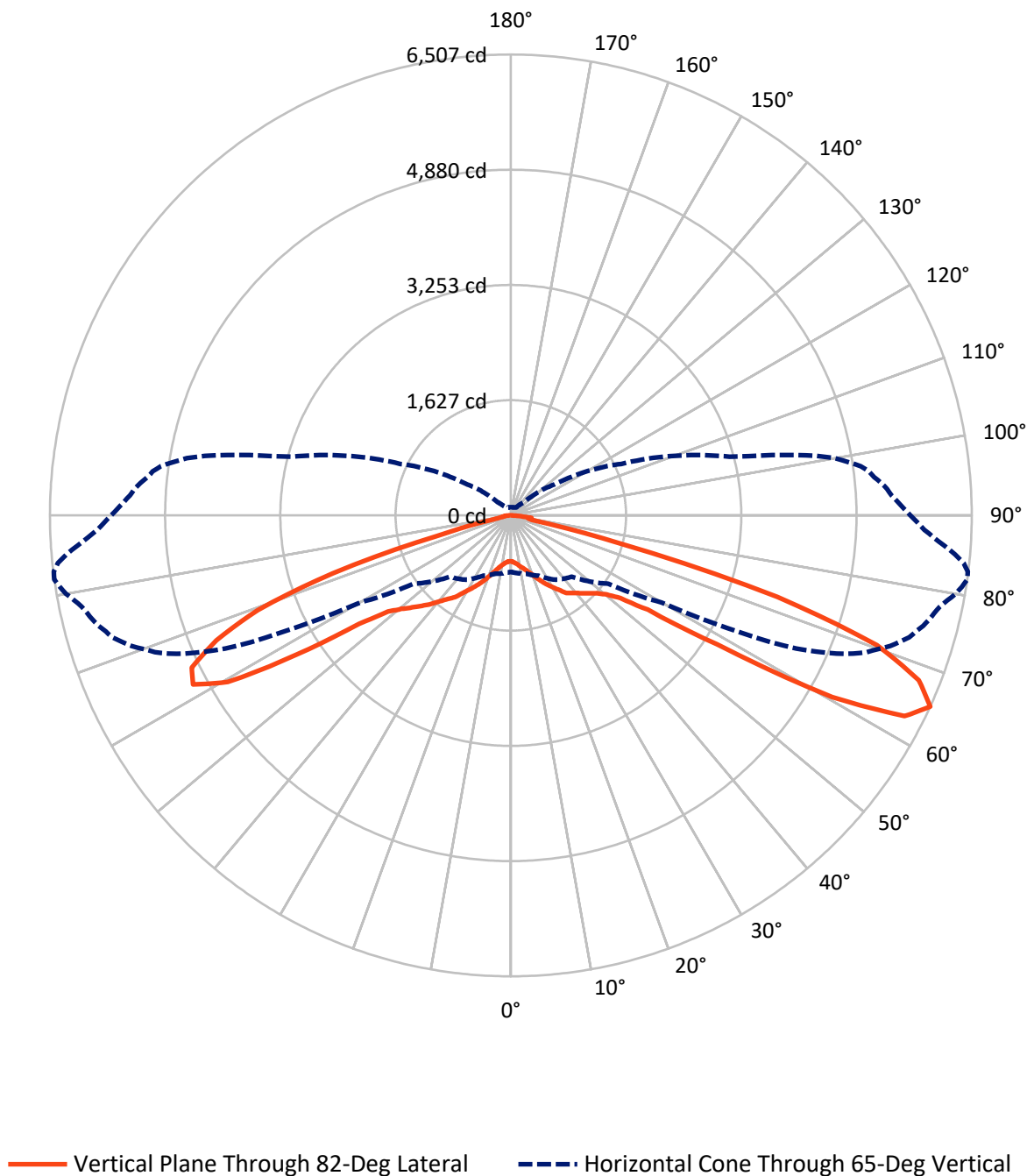


Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2599.7	0.0	2599.7
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	4382.4	0.0	4382.4
	% Fixture	62.8	0.0	62.8
Total	Lumens	6982.1	0.0	6982.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	0.9
10°-20°	231.1	3.3
20°-30°	457.9	6.6
30°-40°	784.9	11.2
40°-50°	1179.2	16.9
50°-60°	1638.2	23.5
60°-70°	1869.0	26.8
70°-80°	643.8	9.2
80°-90°	112.2	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°	6982.1	100.0
0°-180°	6982.1	100.0

Coefficient of Utilization



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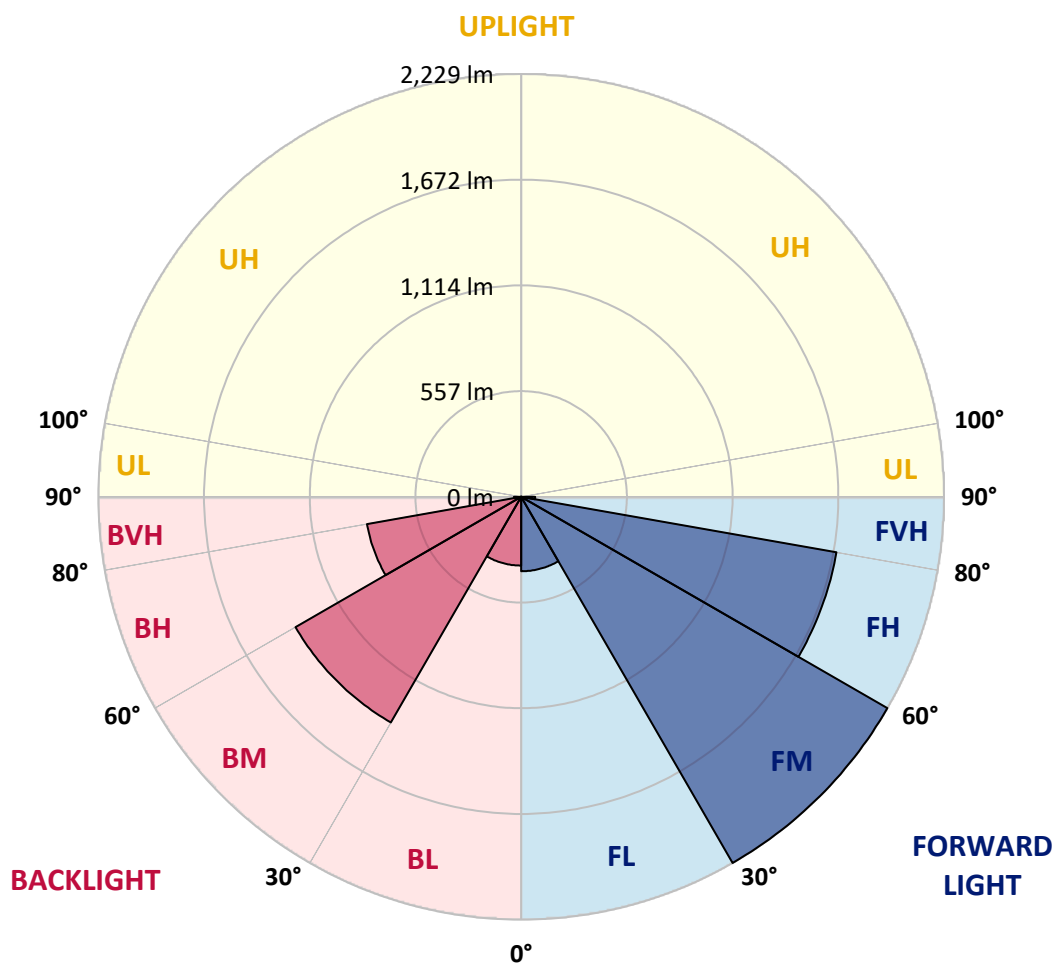
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	392.2	5.6			
FM	(30°-60°)	2228.8	31.9			
FH	(60°-80°)	1687.5	24.2			G1/1800
FVH	(80°-90°)	73.9	1.1			G1/100
BL	(0°-30°)	362.5	5.2	B1/500		
BM	(30°-60°)	1373.5	19.7	B2/2500		
BH	(60°-80°)	825.3	11.8	B2/1000		G2/1000
BVH	(80°-90°)	38.3	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°	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6
2.5°	684.9	685.4	684.9	683.6	683.1	679.0	674.5	672.2	671.8	670.0	670.4
5°	727.4	726.1	724.3	722.0	719.8	713.0	705.3	701.2	699.8	698.5	696.7
7.5°	765.5	766.4	765.5	762.3	756.4	747.8	737.9	731.5	731.1	729.7	728.3
10°	814.3	816.6	811.1	805.7	797.6	784.4	773.2	765.0	763.6	761.8	760.9
12.5°	867.2	867.7	865.9	853.7	840.1	822.0	805.7	797.6	795.8	793.5	792.6
15°	923.8	924.2	914.3	902.5	881.7	860.0	837.4	828.4	826.1	826.5	822.9
17.5°	968.6	969.5	960.0	945.1	920.2	894.4	869.9	862.7	861.4	861.8	860.0
20°	988.0	989.4	983.5	972.2	948.7	926.0	908.4	903.9	903.4	902.5	906.1
22.5°	987.1	987.6	985.3	980.8	966.8	953.6	951.4	954.1	953.6	954.5	957.7
25°	979.0	980.3	979.9	981.7	979.4	984.4	994.8	1004.3	1005.7	1007.5	1013.3
27.5°	999.8	1002.5	999.4	1001.2	1004.8	1021.5	1042.8	1057.3	1060.0	1064.9	1069.9
30°	1081.2	1077.6	1073.5	1069.0	1071.3	1081.7	1105.7	1118.3	1119.7	1123.3	1130.1
32.5°	1202.0	1198.0	1194.3	1187.1	1185.3	1180.7	1188.9	1192.1	1191.6	1195.3	1197.1
35°	1338.2	1338.7	1337.8	1343.2	1347.7	1324.6	1296.1	1288.4	1291.6	1287.5	1288.4
37.5°	1454.5	1455.8	1479.8	1509.7	1518.2	1503.8	1441.3	1410.6	1400.2	1398.8	1388.4
40°	1583.4	1583.4	1619.6	1656.2	1680.2	1698.3	1624.1	1569.8	1547.6	1541.3	1515.5
42.5°	1725.0	1717.7	1750.8	1791.1	1835.4	1876.6	1838.1	1777.0	1745.3	1734.1	1688.8
45°	1841.3	1836.7	1853.0	1890.5	1962.5	2043.0	2048.5	2017.3	1998.2	1974.7	1933.1
47.5°	1912.7	1910.5	1919.9	1960.7	2050.7	2181.0	2253.8	2269.7	2258.3	2240.3	2200.0
50°	1940.8	1937.6	1944.4	1989.7	2090.5	2262.4	2423.5	2498.2	2503.6	2507.6	2495.0
52.5°	1930.8	1926.8	1940.8	1978.8	2083.7	2290.9	2556.1	2699.5	2723.4	2743.8	2785.4
55°	1835.4	1829.0	1867.0	1938.5	2054.3	2280.5	2652.8	2893.1	2943.7	2998.0	3090.3
57.5°	1689.2	1683.8	1738.6	1836.7	2002.3	2252.0	2718.0	3137.8	3251.8	3349.6	3611.5
60°	1548.5	1544.0	1576.1	1671.2	1833.5	2113.1	2637.5	3220.1	3411.5	3622.3	4100.5
62.5°	1297.0	1284.8	1327.8	1407.8	1510.6	1748.0	2285.9	3037.0	3331.9	3641.8	4290.1
65°	797.1	814.7	851.9	940.6	1108.8	1221.9	1678.9	2456.9	2846.0	3234.7	4075.6
67.5°	506.2	511.2	538.8	600.3	730.6	844.2	1017.4	1541.8	1841.7	2224.0	3199.8
70°	433.9	437.0	460.6	524.8	614.8	754.6	770.0	805.3	913.0	1156.3	1881.1
72.5°	342.0	347.5	366.0	421.6	530.2	680.4	950.5	636.5	614.8	635.2	917.9
75°	203.6	209.9	225.3	255.6	340.7	520.3	995.7	740.6	690.4	651.0	633.4
77.5°	107.7	103.1	113.6	131.2	175.1	277.3	748.3	907.5	872.2	825.2	725.2
80°	53.4	55.2	58.4	62.0	78.2	112.6	374.2	938.7	1040.5	1085.8	997.1
82.5°	21.2	24.0	33.9	36.2	43.0	47.9	120.4	520.3	745.1	1010.6	1319.6
85°	10.9	10.4	18.1	21.7	25.3	22.6	42.5	194.1	349.3	544.3	881.7
87.5°	1.4	1.8	4.1	5.4	7.7	7.3	12.2	42.1	67.0	95.0	133.4
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°	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6
2.5°	668.2	667.7	667.7	665.9	665.9	666.4	665.0	664.1	664.1	664.6	662.8
5°	695.3	694.0	694.0	692.2	689.9	689.9	688.1	687.7	686.8	684.9	683.6
7.5°	727.0	725.6	723.4	722.0	721.1	719.8	717.5	716.6	714.8	713.0	711.2
10°	759.6	757.7	756.8	754.6	753.7	751.0	749.6	750.1	746.5	745.1	745.6
12.5°	792.1	790.3	787.1	786.2	785.8	783.1	781.7	780.8	778.1	777.7	776.3
15°	821.1	822.0	820.6	818.4	816.6	816.1	814.7	813.8	812.0	810.2	808.4
17.5°	858.7	860.0	858.2	855.0	855.0	854.6	855.0	854.6	851.4	852.8	851.9
20°	906.6	907.5	903.0	904.3	905.2	904.8	906.1	907.5	906.6	906.6	908.0
22.5°	961.8	963.2	960.4	962.2	965.0	962.7	966.8	966.3	967.2	968.6	969.1
25°	1018.3	1021.1	1018.8	1023.8	1022.0	1023.8	1028.8	1027.4	1029.7	1033.3	1034.6
27.5°	1074.9	1076.7	1077.2	1080.3	1083.5	1086.2	1092.5	1092.5	1094.3	1100.7	1100.7
30°	1134.2	1136.0	1137.8	1142.3	1144.1	1149.1	1155.4	1157.2	1156.3	1165.4	1168.1
32.5°	1202.5	1204.3	1207.4	1212.9	1215.1	1220.1	1220.1	1225.1	1228.7	1236.4	1236.8
35°	1293.4	1294.7	1293.4	1292.9	1296.1	1302.9	1303.4	1310.6	1313.8	1321.4	1323.7
37.5°	1384.3	1383.9	1378.0	1371.7	1372.1	1369.4	1367.6	1370.8	1372.1	1372.6	1377.5
40°	1507.0	1495.1	1486.1	1470.3	1463.0	1451.8	1445.0	1444.5	1437.2	1436.3	1437.7
42.5°	1667.5	1654.0	1632.7	1606.0	1585.6	1564.9	1549.4	1540.4	1524.6	1516.4	1509.7
45°	1891.9	1858.4	1833.1	1801.4	1762.1	1725.9	1687.9	1670.7	1640.4	1621.9	1601.0
47.5°	2166.1	2133.1	2094.1	2061.5	2010.0	1959.8	1907.8	1862.0	1809.1	1767.1	1732.7
50°	2463.7	2444.3	2416.3	2386.0	2319.4	2286.4	2220.8	2158.9	2101.9	2026.7	1961.2
52.5°	2769.1	2780.4	2774.1	2763.2	2721.2	2708.5	2651.9	2576.4	2518.9	2467.4	2353.4
55°	3145.5	3159.1	3186.2	3202.1	3197.1	3229.2	3215.2	3156.4	3133.3	3109.3	3028.3
57.5°	3721.4	3818.2	3921.8	4012.7	4034.0	4148.0	4123.6	4182.4	4224.0	4194.2	4167.9
60°	4335.3	4530.7	4706.7	4890.8	5040.6	5152.8	5301.2	5401.1	5464.0	5577.1	5586.2
62.5°	4582.8	4848.3	5071.8	5285.3	5463.1	5618.8	5752.7	5890.6	6003.7	6106.0	6179.8
65°	4447.1	4724.4	4995.4	5212.1	5383.1	5517.0	5662.6	5772.1	5883.4	5949.0	6026.3
67.5°	3697.0	4064.3	4397.8	4642.0	4875.9	5012.1	5184.5	5292.1	5410.2	5479.4	5529.2
70°	2410.4	2888.5	3344.1	3714.6	4030.4	4189.2	4397.3	4544.3	4686.4	4690.0	4772.8
72.5°	1300.6	1700.6	2081.9	2460.6	2820.7	3032.0	3237.4	3416.0	3557.2	3497.0	3579.4
75°	724.3	911.6	1120.1	1347.7	1567.1	1687.9	1841.3	1842.2	1915.0	1800.5	1829.5
77.5°	696.7	688.1	691.3	697.6	708.5	685.4	684.9	670.9	649.2	609.8	616.6
80°	915.2	805.7	727.0	603.5	485.9	396.3	371.4	377.3	394.9	430.2	475.0
82.5°	1323.2	1231.0	1098.9	904.3	709.8	547.4	449.7	399.0	396.8	432.1	499.9
85°	963.6	1019.2	1010.6	843.7	695.8	565.0	411.2	347.5	287.7	273.7	297.7
87.5°	142.1	117.6	132.5	110.8	80.5	62.5	54.7	43.9	42.1	43.0	47.0
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°	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6
2.5°	663.2	661.4	659.6	661.0	659.6	659.2	657.8	656.9	656.4	656.4	656.4
5°	683.6	681.3	680.0	679.5	678.1	676.8	676.3	674.1	673.6	673.6	672.2
7.5°	711.2	709.4	707.1	705.7	704.8	702.6	700.3	699.8	699.4	697.6	696.2
10°	743.3	740.6	737.9	737.9	736.0	735.6	733.3	730.1	729.7	727.0	726.1
12.5°	773.6	772.7	769.5	768.6	767.3	765.9	764.5	763.2	761.8	759.6	760.5
15°	809.8	807.5	804.8	805.3	804.8	803.0	801.2	799.9	799.0	798.0	798.0
17.5°	853.2	852.3	851.9	849.6	847.8	849.1	849.1	849.1	846.9	847.3	847.8
20°	908.4	909.3	908.4	906.6	906.1	907.5	904.3	909.3	906.6	904.8	905.7
22.5°	969.5	972.7	969.1	969.5	971.8	972.7	969.5	973.6	972.2	969.5	971.8
25°	1036.0	1038.2	1036.4	1036.0	1037.3	1040.5	1040.0	1039.6	1042.8	1040.0	1041.4
27.5°	1104.3	1105.7	1106.6	1107.9	1108.8	1108.4	1110.2	1110.2	1112.0	1108.8	1110.2
30°	1172.2	1172.2	1174.0	1175.8	1175.8	1175.8	1179.4	1179.8	1177.1	1178.0	1174.9
32.5°	1244.5	1245.0	1246.8	1246.8	1250.4	1250.9	1255.0	1249.5	1255.0	1250.4	1251.3
35°	1329.6	1335.5	1336.4	1340.9	1344.5	1345.9	1345.9	1346.3	1351.3	1347.7	1349.0
37.5°	1379.3	1380.7	1384.3	1386.6	1386.6	1388.4	1389.8	1388.4	1389.8	1389.3	1390.7
40°	1438.1	1436.8	1440.9	1441.8	1440.0	1442.2	1441.8	1440.4	1444.0	1441.3	1443.1
42.5°	1509.7	1502.0	1501.5	1505.1	1501.5	1503.3	1502.9	1499.7	1504.2	1505.6	1504.2
45°	1586.1	1582.0	1573.9	1573.9	1570.3	1568.9	1569.4	1568.9	1569.4	1574.8	1576.6
47.5°	1710.5	1685.6	1671.6	1658.5	1647.6	1647.2	1642.2	1644.9	1648.6	1657.6	1665.7
50°	1919.0	1861.6	1826.3	1793.8	1770.2	1762.1	1752.6	1751.7	1754.8	1765.3	1779.3
52.5°	2290.9	2211.3	2136.2	2066.5	2005.9	1959.3	1936.3	1924.0	1919.5	1929.9	1943.5
55°	2971.3	2821.1	2715.3	2644.7	2494.1	2430.3	2348.4	2310.8	2274.2	2277.8	2300.9
57.5°	4134.0	4053.0	3964.3	3840.8	3748.6	3637.3	3432.8	3318.8	3323.8	3350.5	3267.2
60°	5657.6	5575.8	5539.1	5426.9	5362.7	5317.9	5209.3	5020.3	4953.3	4940.6	4787.7
62.5°	6236.3	6255.7	6284.7	6316.4	6314.5	6334.0	6239.0	6177.5	6100.1	5999.7	5848.6
65°	6085.2	6134.5	6193.3	6278.3	6375.2	6446.6	6506.8	6499.6	6427.2	6293.3	6133.6
67.5°	5573.5	5622.4	5665.4	5779.4	5938.1	6083.4	6211.9	6299.2	6250.7	6139.9	5953.6
70°	4804.4	4839.7	4866.9	4966.0	5140.1	5317.4	5485.3	5631.9	5617.0	5482.6	5333.8
72.5°	3481.2	3566.7	3612.8	3606.1	3713.7	3912.3	3935.8	4061.2	4096.0	3951.2	3714.2
75°	1696.0	1697.4	1644.0	1626.4	1631.8	1666.2	1600.6	1604.6	1582.0	1479.4	1394.8
77.5°	592.6	576.4	537.4	491.3	425.3	363.3	300.4	273.2	264.2	237.5	218.9
80°	510.8	534.7	527.0	489.1	419.4	334.3	249.7	185.0	157.9	148.4	139.3
82.5°	580.0	672.2	731.1	727.9	632.5	475.0	296.3	170.1	121.3	106.3	97.7
85°	323.5	347.9	354.7	323.0	268.3	183.2	102.2	71.9	61.1	55.6	50.2
87.5°	51.6	47.0	46.1	40.3	38.0	34.9	30.8	29.0	26.7	25.3	25.3
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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CATALOG NUMBER: VST-F03-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6
2.5°	656.0	655.5	654.2	652.8	651.9	651.5	651.0	650.1	649.6	649.2	648.3
5°	671.3	670.4	668.2	665.9	665.0	663.7	662.3	661.4	660.5	660.1	658.3
7.5°	695.3	694.4	691.7	689.9	689.5	685.9	685.4	684.0	681.8	681.3	678.6
10°	724.3	723.8	721.6	720.2	719.3	717.5	714.8	712.5	710.3	710.3	708.5
12.5°	757.7	755.9	757.3	754.1	753.2	751.4	750.1	749.6	746.9	744.7	744.2
15°	797.1	794.9	794.9	794.0	793.1	791.2	790.8	791.2	788.5	789.4	786.7
17.5°	846.0	846.9	846.4	846.4	844.2	844.2	840.5	845.1	841.9	844.2	843.2
20°	907.1	907.5	906.6	908.0	908.9	908.4	908.0	907.5	908.9	910.7	909.3
22.5°	972.2	972.2	971.8	976.7	971.3	975.4	976.7	974.0	981.2	980.3	981.7
25°	1042.8	1042.8	1046.4	1050.5	1051.4	1048.2	1050.0	1047.7	1052.3	1055.9	1056.8
27.5°	1108.4	1114.3	1117.0	1114.3	1116.5	1121.5	1121.0	1121.0	1124.2	1123.3	1131.9
30°	1175.8	1179.4	1183.0	1181.2	1182.1	1188.4	1188.9	1189.3	1193.4	1199.3	1205.6
32.5°	1252.7	1256.3	1254.5	1260.4	1259.9	1267.6	1269.0	1270.3	1283.0	1280.8	1293.8
35°	1347.2	1350.8	1349.0	1355.4	1354.5	1357.2	1362.2	1367.6	1369.9	1383.0	1393.4
37.5°	1391.6	1391.6	1395.7	1402.9	1405.6	1410.1	1417.8	1424.6	1435.9	1449.9	1466.2
40°	1445.0	1446.3	1451.8	1459.4	1464.4	1474.8	1488.8	1498.3	1515.5	1530.9	1549.9
42.5°	1509.7	1515.5	1521.8	1532.3	1543.1	1559.4	1579.3	1591.5	1614.1	1634.0	1657.6
45°	1585.2	1591.1	1606.0	1625.0	1640.8	1658.9	1675.2	1704.2	1724.5	1745.3	1765.7
47.5°	1676.6	1693.8	1706.0	1728.6	1748.0	1772.0	1792.4	1819.6	1841.7	1867.0	1884.2
50°	1793.8	1815.0	1830.8	1860.2	1879.3	1906.0	1931.8	1952.1	1974.7	1999.6	2013.6
52.5°	1962.1	1983.8	2003.6	2040.3	2063.8	2081.9	2116.3	2141.6	2162.5	2180.5	2195.9
55°	2326.7	2320.3	2375.5	2446.6	2454.7	2520.3	2532.5	2553.8	2592.2	2597.6	2640.7
57.5°	3368.5	3335.9	3416.0	3520.1	3502.0	3469.0	3607.0	3615.5	3596.1	3648.1	3589.3
60°	4810.3	4753.3	4775.0	4803.5	4762.4	4742.9	4749.7	4769.2	4750.1	4729.3	4672.3
62.5°	5773.0	5685.2	5622.4	5569.4	5502.5	5454.1	5399.8	5332.9	5314.7	5238.7	5174.9
65°	5978.4	5841.8	5742.2	5642.3	5550.0	5464.5	5382.6	5325.2	5249.2	5159.1	5092.6
67.5°	5752.7	5583.5	5437.8	5292.6	5188.1	5062.3	5000.8	4907.2	4813.5	4710.4	4649.3
70°	5096.7	4920.2	4737.1	4595.0	4453.0	4297.3	4267.0	4156.1	4102.3	3961.6	3937.2
72.5°	3517.9	3400.2	3318.3	3142.8	3056.4	2976.8	2951.5	2848.7	2859.6	2705.3	2761.4
75°	1250.9	1234.1	1210.1	1111.1	1093.4	1062.7	1054.6	1047.3	1120.6	1018.8	1092.5
77.5°	214.9	213.5	201.3	195.4	206.8	199.5	201.3	197.7	218.9	222.1	217.1
80°	133.4	129.8	125.8	123.1	123.5	120.8	121.3	122.2	123.5	123.1	124.4
82.5°	91.4	88.2	86.4	84.6	87.3	88.2	90.5	92.8	96.4	98.6	101.3
85°	49.7	45.7	45.7	45.2	48.8	51.6	55.2	59.7	66.1	71.5	77.3
87.5°	25.3	24.4	24.9	25.8	29.0	31.2	35.8	39.8	45.2	51.1	56.5
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-F03-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6
2.5°	647.8	647.8	647.4	647.4	646.9	646.5	646.0	644.6	639.7	635.2	632.0
5°	657.8	656.4	656.0	654.6	654.2	653.3	651.9	650.5	641.5	633.4	627.5
7.5°	678.1	676.3	675.4	674.1	672.7	670.9	669.1	667.7	656.9	647.4	640.1
10°	704.8	703.9	703.5	701.6	701.6	698.9	698.5	695.3	683.6	675.0	668.6
12.5°	741.9	740.1	739.7	737.4	738.3	737.4	736.5	734.7	726.1	716.2	707.5
15°	788.1	788.1	785.8	784.0	784.4	783.5	785.3	783.1	777.7	768.6	754.6
17.5°	843.7	842.8	843.7	842.3	843.2	844.2	841.9	842.3	839.6	828.4	807.5
20°	908.4	907.1	912.5	910.2	915.2	910.7	911.6	913.0	913.0	898.0	869.9
22.5°	982.6	981.7	981.7	986.2	988.0	988.5	990.3	991.7	995.3	976.3	931.5
25°	1056.8	1060.0	1060.4	1066.3	1069.0	1069.0	1070.3	1075.3	1086.2	1060.0	1002.1
27.5°	1132.3	1140.1	1141.9	1145.9	1150.0	1154.0	1157.2	1160.8	1178.5	1150.0	1074.4
30°	1207.9	1216.5	1222.8	1227.4	1232.3	1242.3	1244.1	1251.3	1280.8	1245.9	1143.2
32.5°	1296.5	1308.8	1316.9	1322.8	1330.5	1340.0	1345.4	1354.5	1383.0	1326.0	1193.4
35°	1402.4	1409.6	1421.4	1431.4	1435.9	1452.2	1460.8	1463.0	1484.8	1395.2	1230.5
37.5°	1475.7	1487.9	1508.3	1522.3	1530.5	1539.5	1554.0	1563.5	1584.3	1458.1	1249.1
40°	1568.9	1587.5	1603.7	1624.6	1637.7	1644.5	1658.9	1666.6	1669.3	1511.9	1243.2
42.5°	1682.5	1699.2	1720.9	1737.7	1747.6	1755.3	1767.1	1770.2	1735.0	1537.3	1211.5
45°	1789.2	1815.0	1833.5	1845.8	1853.0	1857.1	1864.3	1864.8	1789.2	1524.6	1157.2
47.5°	1904.2	1922.7	1939.9	1948.4	1947.5	1948.4	1945.7	1943.9	1816.4	1480.7	1087.6
50°	2031.2	2043.5	2050.7	2054.8	2057.0	2048.5	2036.2	2028.1	1818.7	1418.3	1017.0
52.5°	2201.8	2217.2	2215.9	2215.4	2197.3	2189.2	2156.6	2139.8	1805.5	1345.0	937.4
55°	2633.8	2618.9	2589.5	2604.0	2530.3	2491.8	2441.1	2394.1	1822.7	1275.3	845.1
57.5°	3612.8	3618.7	3535.0	3490.3	3365.8	3210.2	3084.9	2963.2	1977.4	1232.8	724.7
60°	4634.3	4557.4	4451.1	4289.2	4129.0	3897.8	3674.8	3464.0	2131.7	1188.4	582.2
62.5°	5080.4	4970.9	4810.3	4600.9	4349.3	4066.6	3788.8	3531.8	2057.0	1045.0	423.4
65°	4989.9	4822.6	4645.2	4400.0	4094.2	3784.3	3459.9	3197.5	1720.9	779.5	261.1
67.5°	4516.7	4374.7	4187.4	3896.5	3569.4	3246.8	2949.6	2655.5	1278.5	485.9	146.1
70°	3812.3	3673.4	3483.4	3185.8	2859.1	2550.6	2235.7	1996.0	814.7	234.4	105.4
72.5°	2644.7	2532.1	2397.7	2185.5	1899.2	1618.7	1405.6	1221.5	451.5	124.4	96.4
75°	1074.0	1074.4	1050.0	960.4	811.6	699.8	596.7	506.2	188.6	105.8	95.0
77.5°	243.4	247.4	270.5	256.5	231.2	216.2	193.6	171.0	114.9	109.0	95.9
80°	123.1	123.5	122.2	122.6	121.3	121.7	119.9	118.5	107.7	112.2	95.9
82.5°	102.7	104.9	104.5	104.5	104.9	104.9	104.9	104.5	111.7	118.1	92.8
85°	81.4	86.0	89.6	93.2	97.3	100.0	101.3	102.7	108.6	116.3	84.1
87.5°	61.5	67.0	71.5	75.1	81.4	81.4	86.0	89.1	89.1	91.0	44.3
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: P159314

CATALOG NUMBER: VST-F03-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	649.6	649.6	649.6	649.6	649.6
2.5°	627.5	625.7	623.9	622.9	621.1
5°	622.9	619.3	617.0	617.0	615.2
7.5°	636.1	634.7	631.6	629.8	631.6
10°	664.1	661.9	658.3	655.5	656.9
12.5°	701.6	692.6	685.4	682.2	680.0
15°	740.6	722.5	708.0	699.8	697.6
17.5°	782.2	750.5	728.8	716.6	714.4
20°	824.7	785.3	754.6	738.8	738.3
22.5°	875.8	823.4	784.0	763.2	761.8
25°	929.7	857.3	805.3	778.6	775.9
27.5°	976.3	884.5	818.4	786.7	784.0
30°	1015.2	904.8	829.3	792.6	789.0
32.5°	1043.2	916.6	833.8	794.4	790.3
35°	1052.3	912.1	821.1	778.1	773.6
37.5°	1040.0	882.6	785.8	738.3	732.9
40°	1003.4	831.1	728.3	679.5	672.7
42.5°	947.3	767.7	659.2	612.5	604.0
45°	878.1	696.2	590.4	538.4	534.3
47.5°	805.7	621.1	513.0	466.0	461.0
50°	727.4	534.3	437.5	386.3	386.3
52.5°	634.3	449.7	349.7	311.2	308.1
55°	527.0	354.2	278.7	249.3	245.2
57.5°	411.7	272.3	222.6	205.4	200.9
60°	302.6	204.5	179.2	169.6	167.8
62.5°	205.4	155.6	144.3	140.2	139.8
65°	138.9	121.3	118.1	116.7	117.2
67.5°	106.7	100.9	99.5	99.1	99.1
70°	92.8	89.1	87.8	88.2	87.8
72.5°	87.3	82.3	82.8	83.7	83.2
75°	85.5	79.1	81.0	81.4	79.6
77.5°	84.1	75.5	80.1	81.4	76.4
80°	81.4	72.4	83.2	83.7	75.1
82.5°	74.6	64.3	83.2	76.9	67.9
85°	63.4	48.8	94.1	67.0	50.2
87.5°	40.3	29.0	63.8	45.7	30.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)