

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: P159308

Luminaire Tested: **VST-E03-LED-E-U-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159308
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-T2-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7815.5 lumens
Efficiency: N/A
Efficacy: 103.9 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

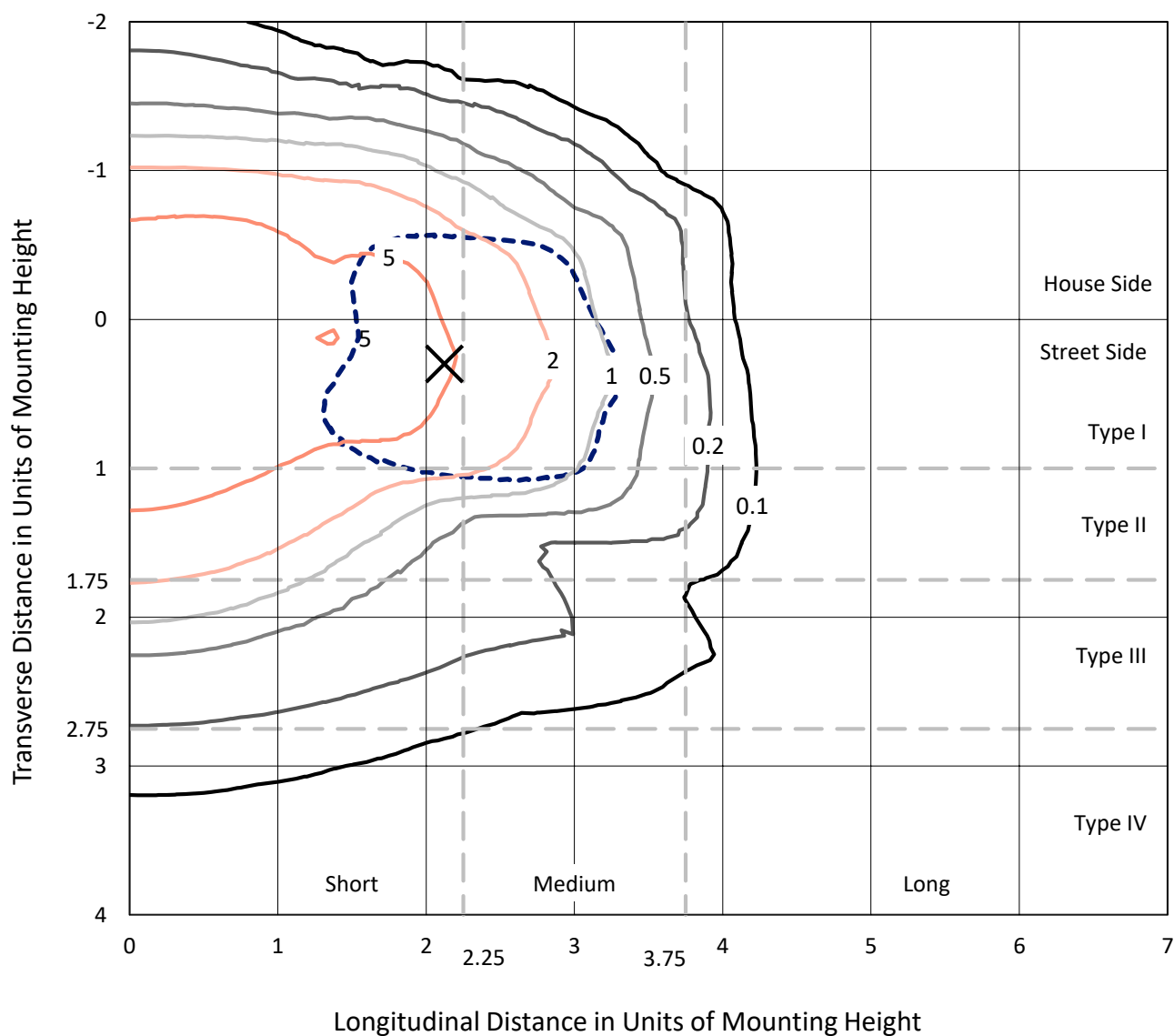


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

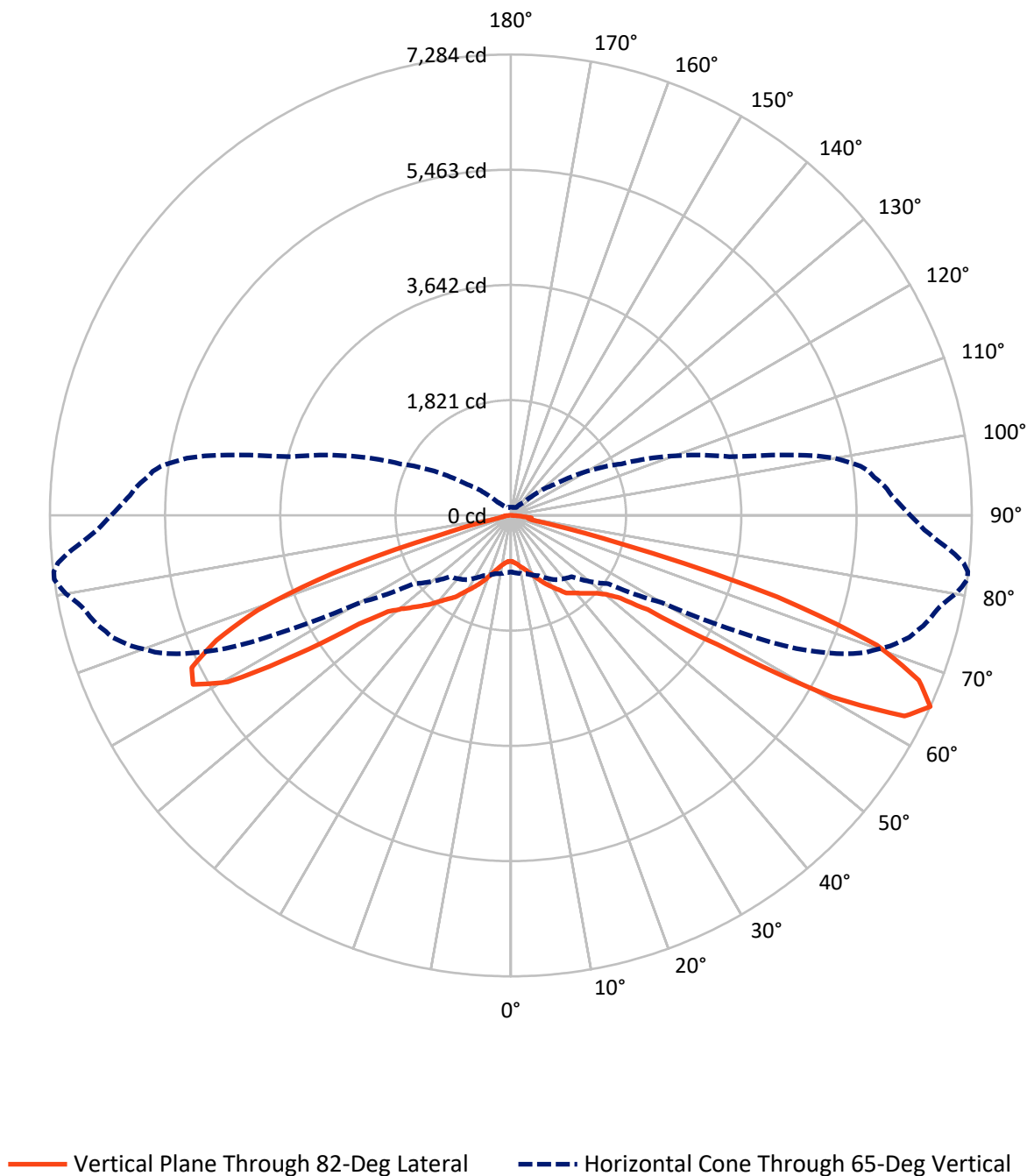


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2909.9	0.0	2909.9
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	4905.5	0.0	4905.5
	% Fixture	62.8	0.0	62.8
Total	Lumens	7815.5	0.0	7815.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.6	0.9
10°-20°	258.7	3.3
20°-30°	512.5	6.6
30°-40°	878.6	11.2
40°-50°	1319.9	16.9
50°-60°	1833.8	23.5
60°-70°	2092.1	26.8
70°-80°	720.7	9.2
80°-90°	125.6	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°	7815.5	100.0
0°-180°	7815.5	100.0

Coefficient of Utilization



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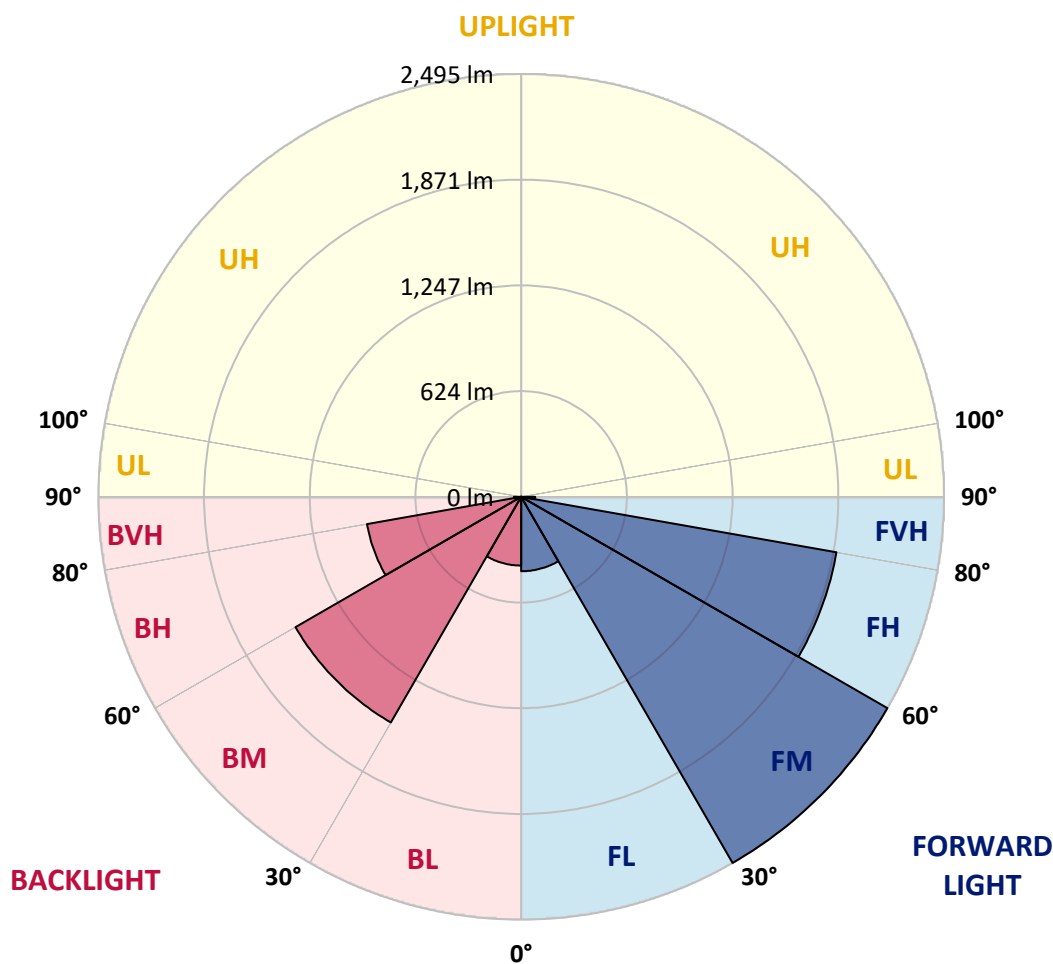
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	439.1	5.6			
FM	(30°-60°)	2494.9	31.9			
FH	(60°-80°)	1888.9	24.2			G2/5000
FVH	(80°-90°)	82.7	1.1			G1/100
BL	(0°-30°)	405.8	5.2	B1/500		
BM	(30°-60°)	1537.4	19.7	B2/2500		
BH	(60°-80°)	923.8	11.8	B2/1000		G2/1000
BVH	(80°-90°)	42.9	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°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	766.7	767.2	766.7	765.2	764.6	760.1	755.0	752.5	752.0	750.0	750.5
5°	814.3	812.8	810.7	808.2	805.7	798.1	789.5	784.9	783.4	781.9	779.8
7.5°	856.8	857.8	856.8	853.3	846.7	837.1	825.9	818.8	818.3	816.8	815.3
10°	911.5	914.0	908.0	901.9	892.8	878.1	865.4	856.3	854.8	852.8	851.8
12.5°	970.7	971.3	969.2	955.6	940.4	920.1	901.9	892.8	890.8	888.2	887.2
15°	1034.0	1034.6	1023.4	1010.3	986.9	962.6	937.3	927.2	924.7	925.2	921.1
17.5°	1084.2	1085.2	1074.5	1057.9	1030.0	1001.2	973.8	965.7	964.2	964.7	962.6
20°	1106.0	1107.5	1100.9	1088.2	1061.9	1036.6	1016.8	1011.8	1011.2	1010.3	1014.3
22.5°	1105.0	1105.4	1102.9	1097.9	1082.2	1067.5	1064.9	1068.0	1067.5	1068.5	1072.0
25°	1095.8	1097.3	1096.9	1098.9	1096.3	1101.9	1113.5	1124.2	1125.7	1127.8	1134.3
27.5°	1119.1	1122.2	1118.6	1120.7	1124.7	1143.4	1167.2	1183.4	1186.5	1192.1	1197.6
30°	1210.3	1206.2	1201.7	1196.6	1199.2	1210.8	1237.6	1251.8	1253.3	1257.4	1265.0
32.5°	1345.5	1340.9	1336.9	1328.8	1326.8	1321.7	1330.8	1334.3	1333.9	1337.9	1339.9
35°	1497.9	1498.4	1497.4	1503.5	1508.5	1482.7	1450.8	1442.2	1445.8	1441.2	1442.2
37.5°	1628.0	1629.6	1656.4	1689.8	1699.4	1683.2	1613.4	1579.0	1567.3	1565.8	1554.1
40°	1772.4	1772.4	1812.9	1853.9	1880.8	1901.0	1817.9	1757.2	1732.4	1725.3	1696.4
42.5°	1930.9	1922.8	1959.7	2004.8	2054.5	2100.5	2057.5	1989.1	1953.7	1941.0	1890.4
45°	2061.0	2056.0	2074.2	2116.2	2196.7	2286.9	2293.0	2258.0	2236.7	2210.4	2163.8
47.5°	2141.0	2138.5	2149.1	2194.7	2295.5	2441.3	2522.9	2540.6	2527.9	2507.6	2462.6
50°	2172.4	2168.9	2176.5	2227.1	2340.1	2532.5	2712.8	2796.3	2802.4	2806.9	2792.8
52.5°	2161.3	2156.8	2172.4	2215.0	2332.4	2564.4	2861.1	3021.7	3048.5	3071.3	3117.9
55°	2054.5	2047.4	2089.9	2169.9	2299.6	2552.8	2969.5	3238.4	3295.1	3355.9	3459.2
57.5°	1890.9	1884.8	1946.1	2056.0	2241.3	2520.8	3042.4	3512.3	3640.0	3749.3	4042.6
60°	1733.4	1728.3	1764.3	1870.6	2052.4	2365.4	2952.3	3604.5	3818.7	4054.7	4589.9
62.5°	1451.8	1438.1	1486.3	1575.9	1690.9	1956.7	2558.8	3399.4	3729.6	4076.5	4802.2
65°	892.3	912.0	953.5	1052.8	1241.2	1367.8	1879.3	2750.2	3185.7	3620.7	4562.1
67.5°	566.6	572.2	603.1	672.0	817.8	944.9	1138.9	1725.8	2061.5	2489.5	3581.7
70°	485.6	489.2	515.5	587.4	688.2	844.7	861.9	901.4	1021.9	1294.3	2105.6
72.5°	382.9	388.9	409.7	472.0	593.5	761.6	1063.9	712.5	688.2	711.0	1027.5
75°	227.9	235.0	252.2	286.1	381.3	582.4	1114.6	829.0	772.7	728.7	709.0
77.5°	120.5	115.4	127.1	146.9	196.0	310.4	837.6	1015.8	976.3	923.6	811.7
80°	59.8	61.8	65.3	69.4	87.6	126.1	418.8	1050.8	1164.7	1215.4	1116.1
82.5°	23.8	26.8	38.0	40.5	48.1	53.7	134.7	582.4	834.1	1131.3	1477.1
85°	12.2	11.6	20.3	24.3	28.4	25.3	47.6	217.3	391.0	609.2	986.9
87.5°	1.5	2.0	4.6	6.1	8.6	8.1	13.7	47.1	74.9	106.3	149.4
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°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	748.0	747.4	747.4	745.4	745.4	745.9	744.4	743.4	743.4	743.9	741.8
5°	778.3	776.8	776.8	774.8	772.3	772.3	770.2	769.7	768.7	766.7	765.2
7.5°	813.8	812.3	809.7	808.2	807.2	805.7	803.2	802.1	800.1	798.1	796.1
10°	850.3	848.2	847.2	844.7	843.7	840.6	839.1	839.6	835.6	834.1	834.5
12.5°	886.7	884.7	881.1	880.1	879.6	876.5	875.0	874.0	871.0	870.5	869.0
15°	919.1	920.1	918.6	916.1	914.0	913.6	912.0	911.0	909.0	907.0	904.9
17.5°	961.1	962.6	960.7	957.1	957.1	956.6	957.1	956.6	953.0	954.5	953.5
20°	1014.8	1015.8	1010.8	1012.3	1013.3	1012.8	1014.3	1015.8	1014.8	1014.8	1016.3
22.5°	1076.6	1078.1	1075.1	1077.1	1080.1	1077.6	1082.2	1081.7	1082.7	1084.2	1084.7
25°	1139.9	1142.9	1140.4	1146.0	1144.0	1146.0	1151.5	1150.0	1152.5	1156.6	1158.1
27.5°	1203.2	1205.2	1205.7	1209.3	1212.8	1215.8	1222.9	1222.9	1225.0	1232.0	1232.0
30°	1269.5	1271.6	1273.6	1278.7	1280.7	1286.2	1293.4	1295.3	1294.3	1304.5	1307.5
32.5°	1346.0	1348.0	1351.6	1357.6	1360.2	1365.7	1365.7	1371.3	1375.4	1384.0	1384.5
35°	1447.8	1449.3	1447.8	1447.3	1450.8	1458.4	1458.9	1467.0	1470.5	1479.2	1481.7
37.5°	1549.6	1549.1	1542.5	1535.4	1535.9	1532.9	1530.8	1534.4	1535.9	1536.4	1542.0
40°	1686.8	1673.6	1663.5	1645.8	1637.7	1625.0	1617.4	1616.9	1608.8	1607.8	1609.3
42.5°	1866.6	1851.4	1827.6	1797.7	1774.9	1751.6	1734.4	1724.3	1706.5	1697.5	1689.8
45°	2117.8	2080.3	2051.9	2016.5	1972.4	1931.9	1889.3	1870.1	1836.2	1815.4	1792.1
47.5°	2424.6	2387.6	2344.1	2307.7	2249.9	2193.7	2135.5	2084.3	2025.1	1978.0	1939.5
50°	2757.8	2736.1	2704.7	2670.7	2596.3	2559.3	2485.9	2416.5	2352.7	2268.7	2195.2
52.5°	3099.7	3112.3	3105.2	3093.1	3046.0	3031.8	2968.5	2883.9	2819.6	2761.9	2634.2
55°	3521.0	3536.2	3566.5	3584.3	3578.7	3614.6	3598.9	3533.1	3507.3	3480.4	3389.8
57.5°	4165.6	4274.0	4390.0	4491.7	4515.5	4643.2	4615.8	4681.6	4728.2	4694.8	4665.4
60°	4852.8	5071.6	5268.5	5474.6	5642.2	5767.9	5933.9	6045.8	6116.2	6242.8	6253.0
62.5°	5129.8	5427.1	5677.2	5916.2	6115.2	6289.4	6439.3	6593.8	6720.4	6834.8	6917.3
65°	4977.8	5288.3	5591.6	5834.2	6025.6	6175.5	6338.5	6461.1	6585.7	6659.1	6745.7
67.5°	4138.3	4549.4	4922.6	5196.1	5457.9	5610.4	5803.3	5923.8	6056.0	6133.4	6189.2
70°	2698.1	3233.3	3743.3	4158.0	4511.5	4689.2	4922.2	5086.7	5245.7	5249.8	5342.5
72.5°	1455.9	1903.6	2330.4	2754.3	3157.4	3393.8	3623.8	3823.8	3981.8	3914.4	4006.6
75°	810.7	1020.4	1253.8	1508.5	1754.2	1889.3	2061.0	2062.0	2143.6	2015.5	2047.9
77.5°	779.8	770.2	773.8	780.8	793.0	767.2	766.7	751.0	726.7	682.6	690.2
80°	1024.4	901.9	813.8	675.5	543.8	443.6	415.7	422.3	442.1	481.6	531.7
82.5°	1481.2	1377.9	1230.1	1012.3	794.5	612.7	503.3	446.6	444.1	483.6	559.6
85°	1078.6	1140.9	1131.3	944.4	778.9	632.5	460.3	388.9	322.1	306.4	333.2
87.5°	159.0	131.6	148.4	124.1	90.1	69.9	61.3	49.1	47.1	48.1	52.7
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	742.4	740.3	738.3	739.9	738.3	737.8	736.3	735.3	734.8	734.8	734.8
5°	765.2	762.7	761.1	760.6	759.1	757.6	757.1	754.5	754.0	754.0	752.5
7.5°	796.1	794.0	791.5	790.0	788.9	786.4	783.9	783.4	782.9	780.8	779.3
10°	832.0	829.0	825.9	825.9	823.9	823.4	820.9	817.3	816.8	813.8	812.8
12.5°	865.9	864.9	861.4	860.3	858.8	857.3	855.8	854.3	852.8	850.3	851.2
15°	906.4	903.9	900.9	901.4	900.9	898.9	896.8	895.3	894.3	893.3	893.3
17.5°	955.1	954.1	953.5	951.0	949.0	950.5	950.5	950.5	948.0	948.5	949.0
20°	1016.8	1017.8	1016.8	1014.8	1014.3	1015.8	1012.3	1017.8	1014.8	1012.8	1013.8
22.5°	1085.2	1088.8	1084.7	1085.2	1087.7	1088.8	1085.2	1089.8	1088.2	1085.2	1087.7
25°	1159.6	1162.2	1160.2	1159.6	1161.2	1164.7	1164.2	1163.7	1167.2	1164.2	1165.7
27.5°	1236.1	1237.6	1238.6	1240.1	1241.2	1240.7	1242.7	1242.7	1244.7	1241.2	1242.7
30°	1312.1	1312.1	1314.1	1316.1	1316.1	1316.1	1320.2	1320.7	1317.7	1318.7	1315.1
32.5°	1393.1	1393.6	1395.6	1395.6	1399.7	1400.2	1404.7	1398.7	1404.7	1399.7	1400.7
35°	1488.3	1494.9	1495.9	1501.0	1505.0	1506.5	1506.5	1507.0	1512.6	1508.5	1510.1
37.5°	1544.0	1545.5	1549.6	1552.1	1552.1	1554.1	1555.6	1554.1	1555.6	1555.1	1556.6
40°	1609.8	1608.3	1612.9	1613.9	1611.8	1614.4	1613.9	1612.4	1616.4	1613.4	1615.4
42.5°	1689.8	1681.2	1680.7	1684.8	1680.7	1682.8	1682.2	1678.7	1683.8	1685.3	1683.8
45°	1775.4	1770.8	1761.7	1761.7	1757.7	1756.2	1756.7	1756.2	1756.7	1762.7	1764.8
47.5°	1914.7	1886.8	1871.1	1856.5	1844.3	1843.8	1838.2	1841.3	1845.3	1855.4	1864.6
50°	2148.1	2083.8	2044.3	2007.8	1981.5	1972.4	1961.8	1960.7	1964.3	1976.0	1991.6
52.5°	2564.4	2475.2	2391.2	2313.2	2245.4	2193.2	2167.4	2153.7	2148.7	2160.3	2175.5
55°	3326.0	3157.9	3039.4	2960.4	2791.7	2720.3	2628.7	2586.7	2545.6	2549.7	2575.5
57.5°	4627.4	4536.8	4437.5	4299.3	4196.0	4071.4	3842.5	3714.9	3720.5	3750.4	3657.2
60°	6333.0	6241.3	6200.3	6074.7	6002.8	5952.7	5831.2	5619.5	5544.5	5530.3	5359.2
62.5°	6980.6	7002.4	7034.8	7070.3	7068.2	7090.0	6983.7	6914.8	6828.2	6715.8	6546.7
65°	6811.5	6866.7	6932.5	7027.7	7136.1	7216.1	7283.5	7275.4	7194.4	7044.5	6865.7
67.5°	6238.8	6293.5	6341.6	6469.2	6646.9	6809.5	6953.3	7051.0	6996.8	6872.8	6664.1
70°	5377.9	5417.4	5447.8	5558.7	5753.6	5952.2	6140.0	6304.1	6287.4	6137.0	5970.4
72.5°	3896.7	3992.4	4044.1	4036.5	4157.0	4379.3	4405.6	4545.9	4584.9	4422.8	4157.5
75°	1898.5	1900.0	1840.3	1820.5	1826.6	1865.0	1791.6	1796.2	1770.8	1655.9	1561.2
77.5°	663.4	645.1	601.6	550.0	476.0	406.6	336.2	305.9	295.7	265.9	245.1
80°	571.7	598.6	589.9	547.4	469.4	374.2	279.5	207.1	176.8	166.1	155.9
82.5°	649.2	752.5	818.3	814.8	707.9	531.7	331.7	190.4	135.7	119.0	109.4
85°	362.1	389.4	397.0	361.6	300.3	205.1	114.4	80.5	68.3	62.3	56.2
87.5°	57.7	52.7	51.7	45.1	42.5	39.0	34.4	32.4	29.9	28.4	28.4
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):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	734.3	733.7	732.2	730.7	729.7	729.2	728.7	727.7	727.2	726.7	725.6
5°	751.5	750.5	748.0	745.4	744.4	742.9	741.4	740.3	739.3	738.8	736.8
7.5°	778.3	777.3	774.3	772.3	771.7	767.7	767.2	765.7	763.1	762.7	759.6
10°	810.7	810.2	807.7	806.2	805.1	803.2	800.1	797.6	795.1	795.1	793.0
12.5°	848.2	846.2	847.7	844.1	843.1	841.1	839.6	839.1	836.0	833.5	833.0
15°	892.3	889.7	889.7	888.7	887.7	885.7	885.2	885.7	882.7	883.7	880.6
17.5°	947.0	948.0	947.5	947.5	944.9	944.9	940.9	946.0	942.4	944.9	943.9
20°	1015.3	1015.8	1014.8	1016.3	1017.4	1016.8	1016.3	1015.8	1017.4	1019.4	1017.8
22.5°	1088.2	1088.2	1087.7	1093.3	1087.2	1091.8	1093.3	1090.3	1098.4	1097.3	1098.9
25°	1167.2	1167.2	1171.3	1175.8	1176.8	1173.3	1175.3	1172.8	1177.9	1181.9	1183.0
27.5°	1240.7	1247.2	1250.3	1247.2	1249.8	1255.4	1254.8	1254.8	1258.4	1257.4	1267.0
30°	1316.1	1320.2	1324.2	1322.2	1323.2	1330.3	1330.8	1331.3	1335.8	1342.4	1349.5
32.5°	1402.2	1406.3	1404.2	1410.8	1410.3	1418.9	1420.4	1421.9	1436.2	1433.6	1448.3
35°	1508.0	1512.1	1510.1	1517.2	1516.1	1519.2	1524.8	1530.8	1533.4	1548.1	1559.7
37.5°	1557.7	1557.7	1562.2	1570.3	1573.4	1578.4	1587.1	1594.6	1607.3	1623.0	1641.2
40°	1617.4	1618.9	1625.0	1633.6	1639.2	1650.8	1666.6	1677.2	1696.4	1713.7	1734.9
42.5°	1689.8	1696.4	1703.5	1715.2	1727.3	1745.5	1767.8	1781.5	1806.8	1829.1	1855.4
45°	1774.4	1781.0	1797.7	1819.0	1836.7	1856.9	1875.2	1907.6	1930.4	1953.7	1976.5
47.5°	1876.7	1895.9	1909.6	1934.9	1956.7	1983.5	2006.3	2036.7	2061.5	2089.9	2109.1
50°	2007.8	2031.7	2049.4	2082.3	2103.5	2133.4	2162.3	2185.1	2210.4	2238.2	2254.0
52.5°	2196.2	2220.5	2242.8	2283.8	2310.2	2330.4	2368.9	2397.3	2420.6	2440.8	2458.0
55°	2604.4	2597.3	2659.1	2738.6	2747.7	2821.1	2834.8	2858.6	2901.7	2907.7	2955.8
57.5°	3770.6	3734.2	3823.8	3940.3	3920.0	3883.0	4037.5	4047.1	4025.3	4083.5	4017.7
60°	5384.5	5320.7	5345.0	5376.9	5330.8	5309.0	5316.7	5338.4	5317.1	5293.9	5230.0
62.5°	6462.1	6363.8	6293.5	6234.2	6159.3	6105.1	6044.3	5969.4	5949.1	5864.0	5792.6
65°	6692.0	6539.1	6427.7	6315.8	6212.5	6116.8	6025.1	5960.8	5875.7	5774.9	5700.5
67.5°	6439.3	6249.9	6086.9	5924.3	5807.3	5666.6	5597.7	5492.9	5388.1	5272.6	5204.2
70°	5705.0	5507.5	5302.4	5143.4	4984.4	4810.3	4776.3	4652.2	4592.0	4434.5	4407.2
72.5°	3937.7	3806.0	3714.4	3517.9	3421.2	3332.1	3303.7	3188.8	3200.9	3028.3	3091.0
75°	1400.2	1381.4	1354.6	1243.7	1223.9	1189.5	1180.4	1172.3	1254.4	1140.4	1222.9
77.5°	240.5	239.0	225.4	218.8	231.4	223.3	225.4	221.3	245.1	248.6	243.1
80°	149.4	145.3	140.8	137.8	138.2	135.2	135.7	136.7	138.2	137.8	139.3
82.5°	102.3	98.8	96.7	94.7	97.7	98.8	101.3	103.8	107.9	110.4	113.5
85°	55.7	51.1	51.1	50.6	54.7	57.7	61.8	66.8	73.9	80.0	86.6
87.5°	28.4	27.4	27.8	28.9	32.4	34.9	40.0	44.6	50.6	57.2	63.3
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-E03-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	725.2	725.2	724.7	724.7	724.1	723.7	723.1	721.6	716.0	711.0	707.5
5°	736.3	734.8	734.3	732.8	732.2	731.2	729.7	728.2	718.1	709.0	702.4
7.5°	759.1	757.1	756.1	754.5	753.0	751.0	749.0	747.4	735.3	724.7	716.5
10°	788.9	787.9	787.4	785.4	785.4	782.4	781.9	778.3	765.2	755.5	748.4
12.5°	830.5	828.5	827.9	825.4	826.4	825.4	824.4	822.4	812.8	801.6	792.0
15°	882.1	882.1	879.6	877.6	878.1	877.1	879.1	876.5	870.5	860.3	844.7
17.5°	944.4	943.4	944.4	942.9	943.9	944.9	942.4	942.9	939.8	927.2	903.9
20°	1016.8	1015.3	1021.4	1018.9	1024.4	1019.4	1020.4	1021.9	1021.9	1005.2	973.8
22.5°	1099.9	1098.9	1098.9	1103.9	1106.0	1106.5	1108.5	1110.0	1114.1	1092.8	1042.7
25°	1183.0	1186.5	1187.0	1193.6	1196.6	1196.6	1198.1	1203.7	1215.8	1186.5	1121.6
27.5°	1267.5	1276.1	1278.1	1282.7	1287.2	1291.8	1295.3	1299.4	1319.2	1287.2	1202.7
30°	1352.1	1361.7	1368.8	1373.8	1379.4	1390.6	1392.6	1400.7	1433.6	1394.6	1279.7
32.5°	1451.3	1465.0	1474.1	1480.7	1489.3	1499.9	1506.0	1516.1	1548.1	1484.2	1335.8
35°	1569.8	1577.9	1591.1	1602.2	1607.3	1625.5	1635.1	1637.7	1662.0	1561.7	1377.4
37.5°	1651.9	1665.5	1688.3	1704.0	1713.1	1723.3	1739.5	1750.1	1773.4	1632.1	1398.2
40°	1756.2	1777.0	1795.1	1818.5	1833.1	1840.7	1856.9	1865.6	1868.6	1692.4	1391.6
42.5°	1883.3	1902.0	1926.3	1945.1	1956.2	1964.8	1978.0	1981.5	1942.0	1720.7	1356.1
45°	2002.8	2031.7	2052.4	2066.1	2074.2	2078.8	2086.9	2087.3	2002.8	1706.5	1295.3
47.5°	2131.4	2152.2	2171.4	2181.1	2180.0	2181.1	2178.0	2176.0	2033.2	1657.4	1217.4
50°	2273.7	2287.4	2295.5	2300.0	2302.6	2293.0	2279.3	2270.2	2035.7	1587.5	1138.4
52.5°	2464.6	2481.8	2480.3	2479.8	2459.6	2450.5	2414.0	2395.3	2021.0	1505.5	1049.2
55°	2948.2	2931.5	2898.6	2914.8	2832.2	2789.2	2732.5	2679.8	2040.2	1427.5	946.0
57.5°	4044.1	4050.7	3956.9	3906.8	3767.6	3593.4	3453.1	3316.9	2213.5	1379.9	811.3
60°	5187.5	5101.4	4982.4	4801.1	4621.9	4363.1	4113.4	3877.4	2386.1	1330.3	651.7
62.5°	5686.8	5564.3	5384.5	5150.0	4868.5	4552.0	4241.0	3953.4	2302.6	1169.8	474.0
65°	5585.5	5398.1	5199.7	4925.2	4582.9	4236.0	3872.9	3579.2	1926.3	872.5	292.2
67.5°	5055.8	4896.8	4687.2	4361.6	3995.5	3634.4	3301.7	2972.5	1431.1	543.8	163.6
70°	4267.4	4111.9	3899.2	3566.0	3200.4	2855.0	2502.6	2234.2	912.0	262.3	118.0
72.5°	2960.4	2834.3	2683.9	2446.4	2125.9	1811.9	1573.4	1367.3	505.4	139.3	107.9
75°	1202.2	1202.7	1175.3	1075.1	908.5	783.4	667.9	566.6	211.1	118.5	106.3
77.5°	272.5	277.0	302.8	287.1	258.8	242.0	216.7	191.4	128.6	122.0	107.3
80°	137.8	138.2	136.7	137.2	135.7	136.2	134.2	132.7	120.5	125.6	107.3
82.5°	115.0	117.5	117.0	117.0	117.5	117.5	117.5	117.0	125.1	132.2	103.8
85°	91.1	96.2	100.3	104.3	108.9	111.9	113.5	115.0	121.6	130.1	94.2
87.5°	68.9	74.9	80.0	84.1	91.1	91.1	96.2	99.8	99.8	101.8	49.6
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-T2-8030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	727.2	727.2	727.2	727.2	727.2
2.5°	702.4	700.3	698.3	697.3	695.3
5°	697.3	693.2	690.7	690.7	688.7
7.5°	712.0	710.5	706.9	704.9	706.9
10°	743.4	740.9	736.8	733.7	735.3
12.5°	785.4	775.3	767.2	763.6	761.1
15°	829.0	808.7	792.5	783.4	780.8
17.5°	875.6	840.1	815.8	802.1	799.6
20°	923.2	879.1	844.7	826.9	826.4
22.5°	980.4	921.7	877.6	854.3	852.8
25°	1040.6	959.6	901.4	871.5	868.4
27.5°	1092.8	990.0	916.1	880.6	877.6
30°	1136.3	1012.8	928.2	887.2	883.1
32.5°	1167.7	1025.9	933.3	889.2	884.7
35°	1177.9	1020.9	919.1	871.0	865.9
37.5°	1164.2	988.0	879.6	826.4	820.4
40°	1123.2	930.2	815.3	760.6	753.0
42.5°	1060.4	859.4	737.8	685.7	676.0
45°	982.9	779.3	660.8	602.6	598.1
47.5°	901.9	695.3	574.3	521.6	516.0
50°	814.3	598.1	489.7	432.5	432.5
52.5°	710.0	503.3	391.4	348.4	344.9
55°	589.9	396.5	311.9	279.0	274.4
57.5°	460.8	304.9	249.1	229.9	224.8
60°	338.8	228.9	200.5	189.9	187.9
62.5°	229.9	174.2	161.5	157.0	156.5
65°	155.5	135.7	132.2	130.6	131.2
67.5°	119.5	112.9	111.4	110.9	110.9
70°	103.8	99.8	98.2	98.8	98.2
72.5°	97.7	92.2	92.7	93.7	93.2
75°	95.7	88.6	90.7	91.1	89.1
77.5°	94.2	84.5	89.6	91.1	85.6
80°	91.1	81.0	93.2	93.7	84.1
82.5°	83.6	71.9	93.2	86.1	76.0
85°	70.9	54.7	105.4	74.9	56.2
87.5°	45.1	32.4	71.4	51.1	33.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)