

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: P158876

Luminaire Tested: **VST-F03-LED-E-U-SLL-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158876
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
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-SLL-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6829 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

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

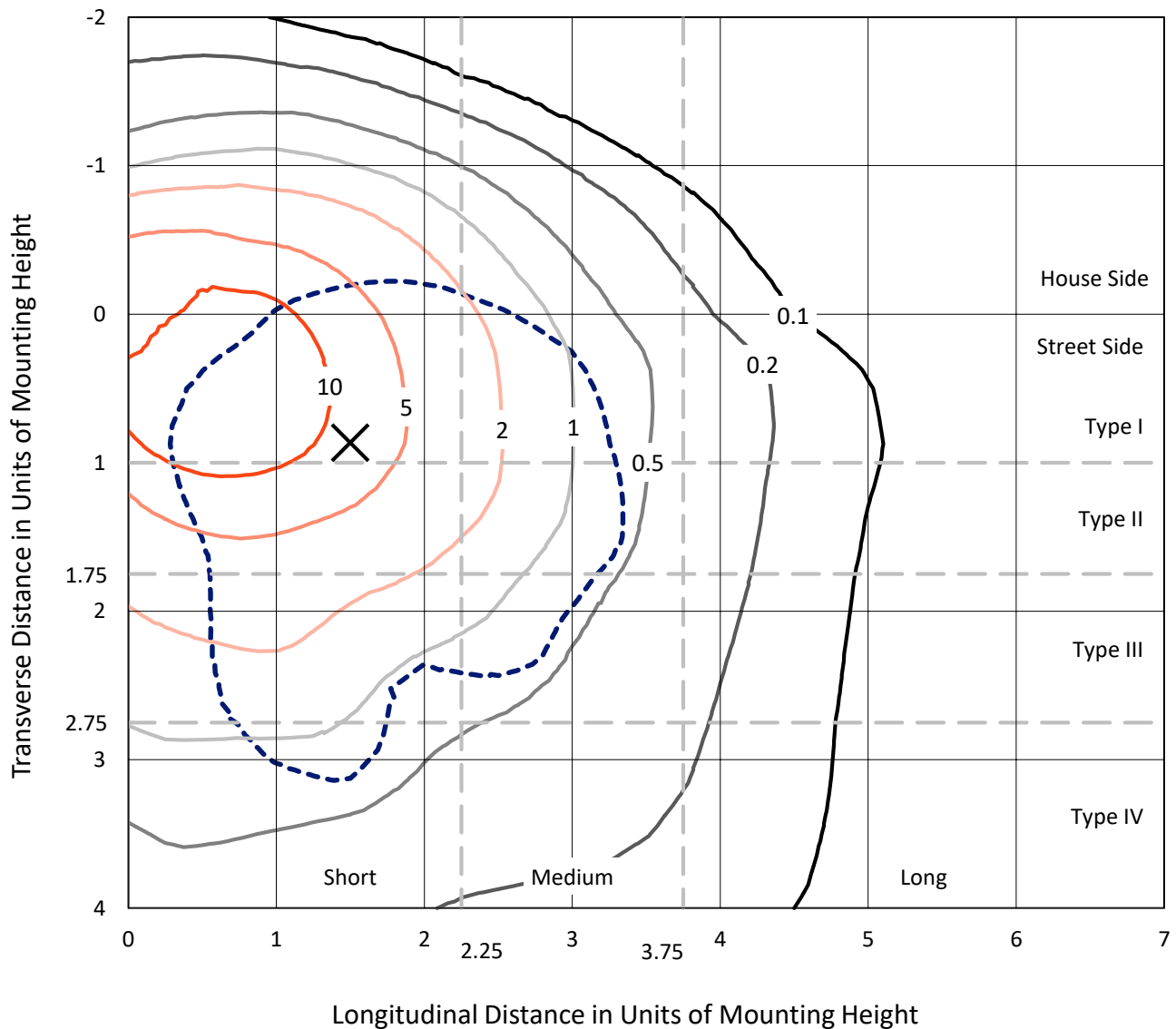


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

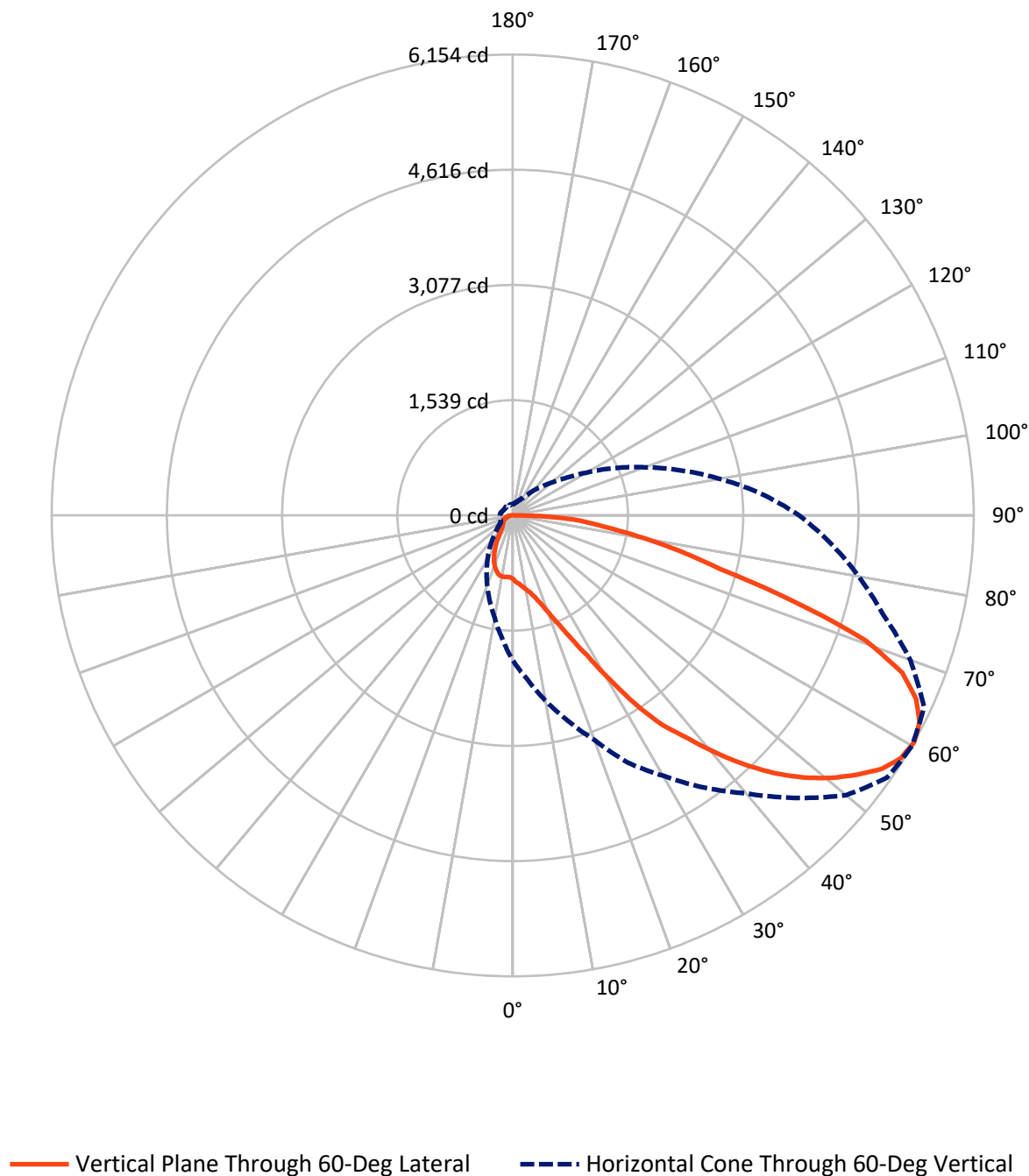


Based on 10 foot mounting height. Maximum calculated value = 19.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1537.7	0.0	1537.7
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	5291.3	0.0	5291.3
	% Fixture	77.5	0.0	77.5
Total	Lumens	6829.0	0.0	6829.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	1.2
10°-20°	270.5	4.0
20°-30°	513.4	7.5
30°-40°	808.4	11.8
40°-50°	1128.4	16.5
50°-60°	1395.6	20.4
60°-70°	1446.6	21.2
70°-80°	910.2	13.3
80°-90°	272.1	4.0
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°	6829.0	100.0
0°-180°	6829.0	100.0

Coefficient of Utilization



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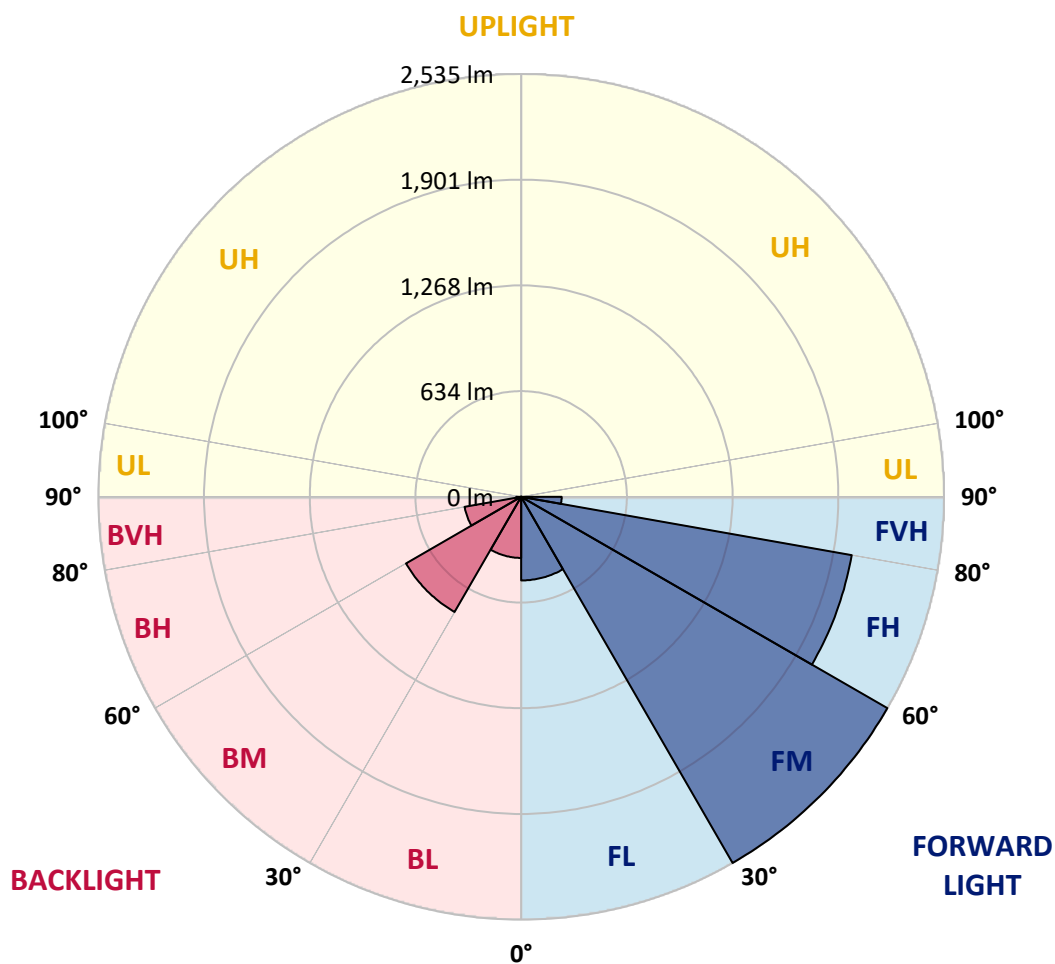
CATALOG NUMBER: VST-F03-LED-E-U-SLL-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	501.3	7.3			
FM	(30°-60°)	2535.0	37.1			
FH	(60°-80°)	2012.4	29.5			G2/5000
FVH	(80°-90°)	242.5	3.6			G3/500
BL	(0°-30°)	366.3	5.4	B1/500		
BM	(30°-60°)	797.4	11.7	B1/1000		
BH	(60°-80°)	344.4	5.0	B1/500		G1/500
BVH	(80°-90°)	29.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3
2.5°	899.6	898.6	898.6	898.6	898.1	897.1	898.6	898.1	895.5	894.0	895.5
5°	911.3	911.8	913.3	913.8	913.8	915.4	919.4	919.9	919.4	920.5	923.0
7.5°	922.4	925.0	926.5	929.1	932.1	934.7	941.8	948.9	953.5	957.0	958.0
10°	940.7	944.8	949.4	956.0	963.1	975.8	982.0	989.0	993.6	1000.7	1002.2
12.5°	987.5	992.6	995.6	1005.8	1015.0	1027.1	1035.8	1037.8	1048.5	1054.6	1061.7
15°	1066.3	1073.9	1084.6	1090.7	1100.9	1111.6	1119.2	1129.3	1130.8	1139.0	1144.6
17.5°	1162.9	1173.5	1195.4	1210.1	1223.3	1234.0	1249.3	1261.0	1263.5	1272.7	1261.0
20°	1298.0	1324.0	1327.6	1357.0	1368.7	1390.1	1420.6	1426.1	1440.9	1426.1	1417.5
22.5°	1481.0	1521.7	1532.9	1561.3	1575.5	1608.1	1617.2	1647.2	1657.4	1646.2	1622.8
25°	1691.5	1754.5	1787.0	1830.7	1837.8	1904.4	1911.5	1946.6	1927.8	1900.9	1901.3
27.5°	1846.4	1953.7	2037.5	2112.2	2164.6	2239.9	2298.3	2314.6	2296.7	2261.7	2249.5
30°	1934.9	2056.4	2176.8	2280.0	2402.0	2516.8	2636.3	2695.7	2705.9	2724.2	2650.5
32.5°	1991.8	2147.8	2291.2	2418.7	2543.8	2691.7	2851.7	3004.7	3133.3	3230.4	3184.7
35°	2039.6	2232.2	2415.7	2570.2	2718.1	2879.2	3040.9	3221.3	3434.2	3558.7	3584.6
37.5°	2058.9	2294.2	2518.9	2717.1	2924.9	3106.4	3267.0	3427.6	3651.2	3873.4	3941.9
40°	2055.4	2324.7	2580.4	2829.4	3084.1	3310.7	3498.8	3688.9	3950.6	4210.3	4322.1
42.5°	2031.5	2329.3	2619.5	2904.1	3194.3	3495.7	3736.1	3955.1	4206.2	4539.1	4697.2
45°	2001.5	2313.5	2627.6	2942.2	3276.1	3624.8	3928.7	4199.6	4493.9	4822.7	5013.8
47.5°	1960.8	2288.6	2617.4	2955.4	3312.7	3707.6	4064.9	4390.7	4714.5	5093.1	5335.6
50°	1916.6	2253.1	2596.6	2945.8	3321.9	3752.9	4142.7	4513.7	4891.9	5300.5	5606.9
52.5°	1885.6	2215.0	2577.8	2926.0	3312.7	3766.6	4171.1	4579.8	5000.6	5423.0	5788.9
55°	1847.5	2164.1	2527.5	2879.7	3279.2	3759.0	4168.1	4602.7	5030.6	5470.3	5888.0
57.5°	1850.0	2140.7	2484.8	2824.3	3210.6	3688.3	4110.7	4579.8	4983.4	5439.8	5891.6
60°	1930.3	2191.0	2507.2	2835.5	3190.3	3643.6	4013.1	4432.4	4844.6	5334.5	5809.3
62.5°	2096.0	2334.9	2622.1	2947.3	3304.6	3733.1	3968.9	4187.5	4553.4	5140.9	5669.0
65°	2293.7	2509.2	2758.3	3067.7	3468.2	3878.4	3944.0	3988.2	4173.2	4764.3	5405.7
67.5°	2491.4	2684.0	2879.7	3136.4	3561.3	3920.1	3842.3	3737.1	3836.8	4326.7	4888.3
70°	2562.6	2818.2	2946.8	3123.2	3490.6	3823.0	3678.2	3413.4	3448.0	3893.2	4303.8
72.5°	2455.9	2820.2	2863.0	2928.5	3176.0	3488.6	3335.6	2995.1	2988.0	3328.0	3659.9
75°	2059.9	2572.7	2572.2	2547.8	2603.8	2781.6	2702.3	2497.0	2583.9	2851.7	2961.1
77.5°	1468.3	2007.5	2033.0	1868.8	1864.7	1945.1	1992.8	2231.7	2546.8	2697.2	2662.7
80°	922.4	1354.5	1463.8	1261.0	1217.8	1331.6	1626.9	1974.5	2362.3	2497.5	2381.1
82.5°	555.5	872.6	1105.4	990.6	980.4	1187.8	1514.0	1649.3	1765.6	1909.5	1714.8
85°	377.1	581.5	756.2	779.2	868.1	1082.6	1224.4	1164.4	1167.4	1129.8	1029.2
87.5°	72.2	158.6	259.2	316.1	350.7	471.1	512.3	464.0	490.0	358.3	391.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3
2.5°	893.0	893.0	893.0	890.5	890.9	887.4	885.9	885.9	884.3	884.3	883.9
5°	920.9	917.9	919.4	918.9	918.9	913.8	911.3	911.3	904.7	905.2	903.2
7.5°	962.6	962.1	963.7	960.6	956.5	952.4	948.4	946.4	937.2	931.6	928.1
10°	1009.9	1009.4	1010.9	1010.4	1003.3	995.6	984.5	976.3	965.2	956.5	947.9
12.5°	1061.7	1061.2	1060.2	1055.6	1048.0	1035.8	1021.6	1007.9	991.1	979.9	967.2
15°	1142.5	1141.0	1134.9	1128.3	1120.2	1101.4	1076.5	1056.7	1034.3	1015.0	994.1
17.5°	1262.0	1249.3	1248.2	1233.5	1211.6	1186.7	1163.4	1130.3	1098.3	1069.3	1040.9
20°	1426.6	1397.2	1389.1	1372.3	1343.3	1317.4	1266.5	1222.3	1178.6	1139.0	1102.9
22.5°	1606.1	1584.7	1564.9	1537.4	1497.8	1460.2	1395.7	1340.2	1284.4	1233.5	1193.3
25°	1856.6	1819.5	1783.9	1740.2	1685.3	1640.6	1566.9	1511.0	1437.8	1391.6	1333.6
27.5°	2180.4	2116.9	2056.9	2019.2	1922.7	1857.7	1763.6	1691.5	1603.0	1540.5	1471.9
30°	2601.7	2528.0	2439.1	2309.0	2194.1	2065.0	1948.6	1856.1	1762.1	1674.7	1595.4
32.5°	3124.2	2994.1	2853.3	2647.0	2458.4	2274.4	2119.4	2005.6	1909.5	1800.7	1688.9
35°	3565.9	3431.7	3232.0	2969.7	2736.9	2526.5	2341.0	2185.4	2059.9	1922.2	1774.3
37.5°	3914.5	3761.5	3574.0	3295.4	3049.5	2810.1	2615.5	2417.2	2252.5	2063.0	1876.0
40°	4314.0	4160.5	3954.1	3665.5	3374.2	3114.5	2886.3	2681.5	2479.2	2248.0	2007.5
42.5°	4662.1	4551.4	4342.4	4044.1	3721.4	3432.2	3182.6	2948.3	2684.0	2425.3	2140.7
45°	5025.0	4912.2	4714.0	4401.9	4058.8	3736.6	3438.3	3186.2	2874.1	2566.1	2240.3
47.5°	5345.7	5229.8	5029.6	4719.5	4355.2	4015.6	3687.3	3382.4	3020.0	2666.3	2305.4
50°	5651.7	5509.9	5326.4	5017.4	4628.1	4265.2	3908.9	3517.6	3133.3	2736.4	2349.6
52.5°	5932.7	5752.3	5578.5	5260.3	4839.5	4460.3	4062.9	3632.4	3203.0	2791.8	2379.6
55°	6092.3	5975.9	5768.1	5455.5	4990.0	4594.6	4160.5	3713.2	3272.1	2830.9	2392.3
57.5°	6141.7	6113.2	5938.9	5568.4	5078.4	4668.2	4226.6	3777.3	3318.4	2842.1	2374.5
60°	6102.5	6154.3	6058.8	5647.6	5118.5	4690.1	4259.1	3823.0	3326.5	2806.6	2320.6
62.5°	5977.0	6094.9	6082.7	5674.1	5097.7	4662.7	4255.6	3799.6	3250.2	2695.7	2199.7
65°	5770.6	5919.0	5971.4	5576.0	4980.3	4562.5	4165.1	3652.7	3038.3	2479.2	1996.9
67.5°	5382.3	5606.9	5657.8	5254.7	4673.3	4285.5	3904.3	3347.8	2645.9	2144.3	1680.2
70°	4604.2	4997.0	5065.7	4642.8	4132.0	3791.5	3468.2	2864.5	2203.3	1719.9	1289.4
72.5°	3675.7	3922.6	4062.9	3771.7	3391.5	3144.5	2899.6	2197.7	1662.5	1269.1	887.4
75°	2873.6	2858.9	2984.4	2790.8	2567.2	2451.8	2267.8	1533.4	1113.5	840.7	561.6
77.5°	2456.9	2267.8	2125.0	1988.8	1856.1	1819.5	1643.2	951.4	688.1	503.7	335.9
80°	2042.1	1697.0	1436.3	1244.7	1197.4	1269.6	1075.4	561.1	407.6	289.2	210.9
82.5°	1459.2	1220.8	993.6	872.2	791.3	906.2	634.3	311.6	221.1	173.3	139.7
85°	945.8	904.1	894.5	854.9	756.8	714.6	481.8	268.4	165.7	107.8	86.9
87.5°	363.9	466.6	538.3	576.8	623.6	555.5	251.1	92.5	91.0	55.9	42.2
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3
2.5°	880.3	878.2	877.7	876.2	875.2	875.2	872.6	826.4	825.9	825.9	825.4
5°	899.1	896.5	894.0	893.5	891.5	891.5	888.9	842.7	842.7	842.7	841.7
7.5°	924.5	919.4	916.4	914.8	911.8	913.3	915.4	868.6	869.1	868.6	869.6
10°	942.8	939.7	936.2	935.2	933.1	934.7	937.7	891.5	893.0	893.5	894.5
12.5°	960.6	955.5	950.9	949.4	948.4	952.4	956.0	911.3	912.8	914.3	914.3
15°	982.4	973.8	967.7	964.1	962.1	966.2	971.3	927.1	927.5	929.1	928.6
17.5°	1019.5	1006.9	992.6	990.1	983.5	985.0	986.0	936.7	934.7	931.1	925.0
20°	1077.0	1057.7	1038.4	1030.2	1017.0	1011.4	1000.2	937.2	924.5	913.8	904.7
22.5°	1159.3	1130.8	1110.0	1096.3	1069.3	1050.5	1020.1	934.7	910.8	892.5	878.2
25°	1292.5	1258.4	1226.4	1191.8	1149.7	1112.0	1067.3	957.0	919.9	888.4	860.9
27.5°	1422.1	1368.2	1318.9	1267.1	1207.6	1151.2	1088.2	964.1	922.0	881.3	836.6
30°	1519.1	1440.9	1366.1	1290.4	1212.7	1139.5	1068.4	939.7	889.4	843.7	796.4
32.5°	1578.1	1476.5	1379.4	1285.4	1193.9	1111.6	1031.8	897.5	842.2	788.3	738.0
35°	1634.0	1508.0	1387.5	1276.7	1172.0	1080.5	994.6	848.3	782.2	724.7	661.2
37.5°	1703.2	1541.0	1392.6	1261.0	1140.0	1035.3	940.7	786.2	720.2	649.6	589.6
40°	1786.0	1575.1	1387.5	1229.5	1090.2	975.8	875.7	721.2	647.5	578.9	520.0
42.5°	1864.7	1605.1	1374.3	1187.3	1035.8	913.8	816.2	663.2	589.6	519.4	461.0
45°	1923.2	1630.4	1367.7	1157.8	994.1	871.6	763.9	616.5	538.7	468.1	408.6
47.5°	1963.9	1645.7	1364.6	1141.5	965.2	827.9	716.1	569.8	487.9	416.8	358.8
50°	1985.2	1645.2	1357.0	1123.7	922.4	775.6	666.8	522.5	441.2	371.5	318.7
52.5°	1990.8	1636.0	1340.8	1091.2	870.6	723.2	614.0	473.2	400.0	333.4	280.0
55°	1978.1	1613.7	1306.7	1036.8	815.2	667.9	565.7	434.5	359.8	296.8	255.1
57.5°	1942.0	1574.0	1242.7	962.1	756.8	616.5	510.3	387.8	316.1	263.3	228.7
60°	1874.9	1490.2	1142.5	873.7	682.6	538.3	434.0	326.8	269.9	230.2	202.3
62.5°	1750.9	1358.5	1001.8	751.7	575.8	436.6	346.6	260.7	218.0	192.1	174.8
65°	1551.2	1160.3	838.6	592.1	437.6	317.6	257.7	196.2	165.2	149.4	144.4
67.5°	1266.1	896.0	609.9	411.2	296.3	222.6	179.4	143.3	128.6	122.5	120.5
70°	920.5	610.4	394.9	259.7	195.7	155.5	135.7	115.4	107.2	105.7	105.7
72.5°	577.9	371.0	241.9	177.9	148.4	126.1	115.9	101.6	98.6	97.6	96.1
75°	339.0	225.2	171.3	145.9	127.1	112.9	104.2	92.5	90.5	89.9	88.4
77.5°	216.0	162.1	138.2	124.5	114.8	102.2	94.6	82.3	81.8	81.3	80.8
80°	155.0	134.7	121.0	110.3	100.6	88.9	84.4	74.7	73.7	73.2	74.2
82.5°	117.4	111.3	105.7	97.6	84.4	75.7	72.2	65.6	66.1	63.5	63.0
85°	80.8	79.8	79.3	75.7	66.1	58.4	55.9	52.3	54.9	52.3	49.3
87.5°	39.7	39.1	36.1	42.7	39.7	31.5	28.4	31.5	35.0	34.1	31.5
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: P158876

CATALOG NUMBER: VST-F03-LED-E-U-SLL-7050

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3
2.5°	823.4	821.3	822.8	821.8	821.8	821.3	822.4	820.8	819.8	820.8	821.3
5°	839.6	837.1	837.6	834.1	835.6	832.0	833.0	830.5	827.9	826.9	826.9
7.5°	867.1	864.5	861.5	860.9	855.4	853.3	849.8	847.7	846.2	842.7	840.7
10°	892.0	887.9	884.3	883.9	878.2	873.2	868.6	864.5	862.0	856.9	854.3
12.5°	912.3	908.2	902.6	899.6	894.0	887.9	884.9	878.8	875.2	869.6	865.0
15°	924.0	916.9	908.8	903.2	895.0	888.4	883.9	879.2	875.7	868.6	862.0
17.5°	918.4	906.7	895.5	885.4	874.2	868.1	861.5	855.9	854.9	846.7	836.6
20°	895.0	881.3	866.6	852.8	838.1	829.4	821.3	812.7	810.1	800.5	787.3
22.5°	866.6	850.8	834.1	817.3	798.5	786.2	774.1	763.4	754.7	740.5	721.7
25°	837.6	814.2	789.8	768.5	746.6	731.3	718.7	707.0	696.8	673.9	654.6
27.5°	799.4	762.9	738.0	713.6	687.1	667.3	653.1	636.8	625.7	599.2	578.9
30°	750.7	714.1	678.5	654.1	627.7	606.4	588.1	564.7	548.4	529.1	510.3
32.5°	689.2	652.6	616.5	589.1	567.2	540.8	517.9	495.5	476.8	457.9	443.2
35°	614.5	578.9	544.9	517.4	493.0	472.1	450.3	431.0	409.6	389.3	380.7
37.5°	535.7	497.6	460.0	436.1	416.8	402.0	381.7	365.9	346.6	334.4	324.2
40°	467.1	426.4	390.8	370.5	355.3	338.5	321.7	309.5	295.8	283.6	276.0
42.5°	409.1	371.0	340.5	323.2	304.9	286.7	274.0	263.8	255.1	246.0	236.8
45°	355.8	319.2	293.8	272.4	257.2	242.5	233.8	229.2	224.2	218.5	212.5
47.5°	311.0	279.5	254.6	234.8	219.1	208.9	204.8	203.3	201.2	196.7	193.6
50°	277.0	251.1	225.7	207.9	194.6	189.6	185.0	183.5	181.0	179.4	177.4
52.5°	248.5	221.1	199.7	183.5	175.3	173.3	171.3	169.3	168.7	167.7	166.7
55°	225.2	201.2	181.4	169.3	165.2	163.7	163.1	161.1	160.6	160.6	159.1
57.5°	204.3	184.0	166.2	158.6	156.1	154.5	153.5	152.5	152.5	153.5	153.0
60°	182.9	165.7	155.0	151.0	149.4	146.9	144.4	143.3	143.8	146.4	146.4
62.5°	162.1	149.4	142.8	141.3	139.7	137.8	134.7	133.7	134.7	137.8	139.3
65°	139.3	133.7	131.6	130.6	129.6	128.1	126.1	125.0	125.5	127.1	129.1
67.5°	118.4	117.9	117.9	118.4	117.9	117.4	116.4	114.8	114.4	114.4	115.4
70°	105.7	105.7	107.2	107.2	106.7	106.7	105.2	103.7	102.7	101.6	102.2
72.5°	96.1	96.1	96.5	97.1	96.5	96.5	94.6	93.5	91.0	90.5	89.5
75°	87.9	86.9	86.9	86.4	85.9	86.4	84.4	81.8	80.8	80.3	79.3
77.5°	79.8	77.8	76.7	75.7	76.3	75.7	74.2	72.7	71.2	70.6	70.1
80°	70.6	67.6	66.1	63.5	65.0	65.6	64.6	63.0	62.5	62.0	61.5
82.5°	58.4	55.4	53.3	51.8	50.8	51.8	53.3	56.9	55.9	55.4	54.4
85°	45.7	40.7	38.1	38.6	36.1	36.6	41.2	43.2	43.2	44.2	43.2
87.5°	25.9	24.9	18.8	17.3	18.3	21.8	24.4	26.9	26.9	25.4	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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CATALOG NUMBER: VST-F03-LED-E-U-SLL-7050

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3
2.5°	821.3	822.4	822.8	824.9	825.9	826.4	826.9	827.9	828.4	827.9	830.5
5°	825.4	825.4	824.4	825.9	826.4	826.4	825.4	826.4	826.4	826.4	829.0
7.5°	836.0	833.0	831.5	829.4	827.9	825.9	823.4	823.4	822.8	823.4	824.9
10°	847.3	842.7	837.1	832.0	827.4	823.9	819.3	817.7	817.3	816.8	820.8
12.5°	855.9	847.7	839.1	830.5	821.3	815.2	807.6	803.0	802.5	802.5	807.6
15°	849.8	836.6	819.8	804.5	796.4	787.8	779.2	773.5	773.0	774.1	777.1
17.5°	819.3	797.9	783.2	768.5	757.8	750.7	745.1	744.1	746.1	744.1	748.1
20°	767.5	744.6	734.4	722.7	718.7	713.6	705.4	698.3	698.3	689.2	691.7
22.5°	700.4	687.7	674.5	665.3	662.2	653.6	644.9	635.3	634.3	623.1	621.6
25°	630.2	617.5	606.8	604.8	595.7	584.0	575.8	564.7	562.1	550.9	549.4
27.5°	558.5	548.4	537.7	531.6	526.6	513.8	506.7	493.5	488.4	476.2	474.7
30°	490.4	483.4	470.6	465.5	455.9	441.2	425.9	417.8	413.7	401.0	397.0
32.5°	426.4	415.3	405.6	399.5	387.3	370.5	356.8	345.1	337.5	322.2	318.2
35°	365.4	354.2	349.7	333.9	323.2	312.1	293.3	286.1	272.4	260.7	256.7
37.5°	311.6	300.9	294.8	281.6	270.9	259.7	248.5	239.4	232.8	230.2	230.2
40°	265.3	259.7	252.1	242.5	235.3	227.2	221.1	218.0	217.5	218.5	221.1
42.5°	232.3	226.1	221.1	216.0	210.9	209.9	208.4	210.4	212.9	215.5	218.0
45°	207.4	202.3	199.3	197.2	196.7	198.2	201.2	204.3	208.9	211.9	214.0
47.5°	189.6	185.5	184.5	184.0	186.5	191.1	195.2	199.7	203.3	206.3	208.4
50°	174.3	170.8	170.3	169.7	173.3	177.4	181.0	187.0	189.6	191.6	193.1
52.5°	163.7	160.6	159.1	159.6	163.1	166.7	171.8	176.3	179.9	181.4	182.9
55°	155.0	154.0	150.4	152.0	155.5	160.1	165.2	170.3	173.8	176.3	178.9
57.5°	148.4	145.9	143.3	145.9	149.4	154.0	160.1	164.7	169.3	172.8	175.3
60°	141.3	139.3	137.2	139.7	143.3	147.9	152.5	158.6	164.2	167.7	170.3
62.5°	135.2	133.7	131.6	132.1	133.7	136.7	139.3	144.8	149.9	154.5	157.6
65°	126.5	126.1	123.0	123.5	124.5	127.6	129.6	134.7	139.7	143.8	146.4
67.5°	113.8	112.9	112.9	114.4	114.8	116.4	117.9	123.0	127.1	130.1	133.1
70°	101.2	100.6	100.6	101.6	101.2	102.7	104.7	109.3	114.4	117.4	120.5
72.5°	88.9	88.9	88.4	89.5	89.5	89.9	92.5	96.5	101.2	103.7	105.7
75°	78.2	77.8	77.8	77.8	78.2	78.2	80.8	84.4	88.9	90.5	93.5
77.5°	68.6	68.6	68.6	68.6	69.1	68.6	70.1	72.7	74.2	76.7	76.7
80°	60.5	60.0	60.5	61.0	61.0	60.5	60.5	61.0	61.5	61.5	61.5
82.5°	53.3	51.8	52.9	55.4	55.4	55.4	54.9	51.4	48.8	48.8	49.8
85°	42.7	42.7	43.2	46.7	47.3	45.2	47.3	42.2	37.1	35.6	36.6
87.5°	26.4	20.8	25.4	29.0	29.0	27.4	30.5	28.4	23.9	19.3	18.3
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	849.3	0°
2.5°	832.5	833.0	836.0	837.6	837.6	839.6	840.7	843.7	843.2	843.2	844.2	2.5°
5°	831.5	833.0	836.0	838.1	839.1	841.7	843.7	847.3	846.7	847.7	848.3	5°
7.5°	827.9	832.0	835.0	839.1	842.7	844.7	847.3	850.3	849.3	849.8	849.3	7.5°
10°	824.9	829.0	835.0	840.7	845.7	848.8	850.3	853.9	853.3	854.3	854.3	10°
12.5°	812.7	819.8	827.4	836.0	843.7	851.8	856.9	864.5	868.1	872.6	877.7	12.5°
15°	781.7	789.8	802.0	811.7	826.4	837.6	852.3	867.1	880.3	893.0	907.7	15°
17.5°	751.2	754.7	764.4	777.6	790.8	807.6	825.4	851.8	875.7	901.6	930.1	17.5°
20°	694.8	700.9	707.5	723.2	739.0	762.9	784.7	819.3	854.3	895.0	938.7	20°
22.5°	625.1	631.3	638.3	656.2	675.5	699.8	726.3	764.9	811.7	864.5	923.0	22.5°
25°	549.9	553.5	559.1	576.8	588.5	620.6	652.6	692.8	743.6	811.7	879.8	25°
27.5°	467.1	473.7	478.3	486.4	513.3	540.8	574.3	617.5	679.0	748.6	831.0	27.5°
30°	387.8	393.4	390.8	408.1	425.9	454.9	491.0	538.7	597.7	680.5	775.6	30°
32.5°	310.0	314.1	312.6	324.8	342.5	371.5	405.6	457.4	520.0	608.3	711.5	32.5°
35°	255.7	256.7	262.3	267.8	283.1	306.5	335.5	380.7	444.7	526.0	635.3	35°
37.5°	230.2	232.3	235.8	243.4	254.6	271.4	295.3	330.4	385.3	456.9	554.5	37.5°
40°	222.6	224.2	226.1	231.2	241.9	256.7	278.0	307.5	347.6	408.1	487.4	40°
42.5°	219.1	219.1	219.1	222.1	230.2	246.0	270.4	299.3	334.4	380.2	444.2	42.5°
45°	214.0	214.0	213.5	215.0	220.6	236.3	262.7	295.3	332.9	376.6	432.0	45°
47.5°	208.4	207.9	206.3	206.3	209.9	225.7	253.1	288.2	329.3	379.7	439.1	47.5°
50°	193.1	193.1	193.1	194.6	197.7	211.9	241.4	278.5	325.8	381.7	450.3	50°
52.5°	184.5	185.0	186.5	186.5	189.6	204.3	235.3	276.5	327.8	389.3	464.5	52.5°
55°	180.4	182.0	183.5	183.5	186.0	201.2	233.3	278.0	335.5	405.1	488.9	55°
57.5°	176.9	178.4	179.4	179.4	181.4	194.6	227.7	275.5	340.0	420.3	518.9	57.5°
60°	170.3	171.3	171.8	171.8	172.3	183.5	215.0	263.3	329.9	419.3	535.2	60°
62.5°	158.0	160.1	160.6	161.1	161.1	171.8	198.7	243.4	308.0	404.0	530.6	62.5°
65°	148.9	149.9	151.4	152.5	154.5	161.6	182.9	219.5	279.5	373.6	505.2	65°
67.5°	134.7	136.2	137.8	139.7	141.8	146.4	163.1	192.6	240.9	321.7	448.3	67.5°
70°	122.0	122.5	124.0	126.5	127.1	129.6	141.8	162.1	197.2	258.2	360.8	70°
72.5°	106.2	107.2	109.3	112.3	112.3	114.4	121.5	132.1	154.5	197.2	266.3	72.5°
75°	92.5	93.5	95.0	95.0	92.5	93.0	98.1	105.7	122.5	148.4	194.2	75°
77.5°	76.7	78.8	80.3	77.3	76.3	77.8	80.3	85.9	98.1	117.9	145.9	77.5°
80°	63.5	64.6	65.0	65.6	64.6	66.1	68.1	71.6	79.8	95.0	115.4	80°
82.5°	50.8	51.8	53.3	55.4	55.4	61.0	61.5	61.5	66.1	75.7	90.5	82.5°
85°	37.6	39.7	41.7	44.2	44.7	47.8	46.3	45.7	47.3	56.4	62.5	85°
87.5°	19.3	20.8	21.8	23.9	21.4	22.4	22.4	20.8	18.3	22.9	25.4	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



NUMBER: P158876

NUMBER: VST-F03-LED-E-U-SLL-7050

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
849.3	849.3	849.3	849.3	849.3	849.3	849.3
845.2	844.2	845.2	845.2	846.7	845.7	899.6
849.3	848.3	849.3	850.3	851.8	851.8	911.3
849.8	849.8	848.8	851.3	853.3	855.4	922.4
855.9	855.9	856.9	857.4	862.0	867.1	940.7
880.8	883.3	887.9	889.4	897.5	903.2	987.5
918.9	933.1	942.3	945.4	952.4	963.1	1066.3
957.5	981.4	1006.3	1021.6	1030.7	1043.4	1162.9
986.5	1031.2	1073.9	1112.0	1133.9	1158.8	1298.0
989.0	1060.2	1132.4	1203.0	1261.4	1307.7	1481.0
964.6	1058.2	1157.8	1266.1	1366.7	1450.0	1691.5
933.7	1048.5	1175.6	1313.8	1445.9	1568.9	1846.4
894.5	1032.2	1178.6	1334.2	1489.1	1637.0	1934.9
835.0	983.9	1142.0	1313.8	1493.8	1673.6	1991.8
758.8	910.8	1072.9	1268.6	1472.4	1688.4	2039.6
681.1	831.0	1005.3	1208.1	1438.3	1685.8	2058.9
598.7	747.6	926.0	1143.5	1392.1	1662.5	2055.4
542.8	678.5	853.3	1078.0	1340.8	1631.5	2031.5
510.3	629.2	795.9	1018.0	1294.0	1594.4	2001.5
509.8	614.5	765.4	975.3	1246.7	1553.2	1960.8
527.6	623.6	761.9	957.0	1220.8	1523.2	1916.6
548.4	649.0	780.7	963.7	1220.3	1510.0	1885.6
581.5	692.2	821.8	992.1	1233.5	1508.0	1847.5
623.6	750.7	896.0	1062.2	1284.8	1548.1	1850.0
666.8	819.3	993.1	1182.2	1386.0	1641.7	1930.3
682.6	872.2	1091.7	1322.9	1537.4	1781.9	2096.0
668.9	884.3	1151.7	1432.3	1684.9	1946.1	2293.7
618.0	835.0	1127.3	1463.2	1769.7	2062.4	2491.4
508.7	712.6	1016.5	1393.6	1763.1	2086.3	2562.6
373.1	552.5	826.4	1184.2	1567.4	1936.9	2455.9
269.4	390.8	596.7	892.0	1239.1	1559.8	2059.9
193.1	270.9	387.3	586.0	844.2	1086.1	1468.3
138.8	184.0	241.4	351.7	514.3	666.8	922.4
102.2	126.1	158.6	218.5	302.9	388.3	555.5
69.6	74.2	95.6	129.1	198.7	285.7	377.1
26.4	30.0	35.0	52.9	88.9	102.2	72.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)