

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: P157987

Luminaire Tested: **VST-F02-LED-E-U-RW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157987
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33711)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F02-LED-E-U-RW-7060
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (14) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5278 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type I - Medium - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 55
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

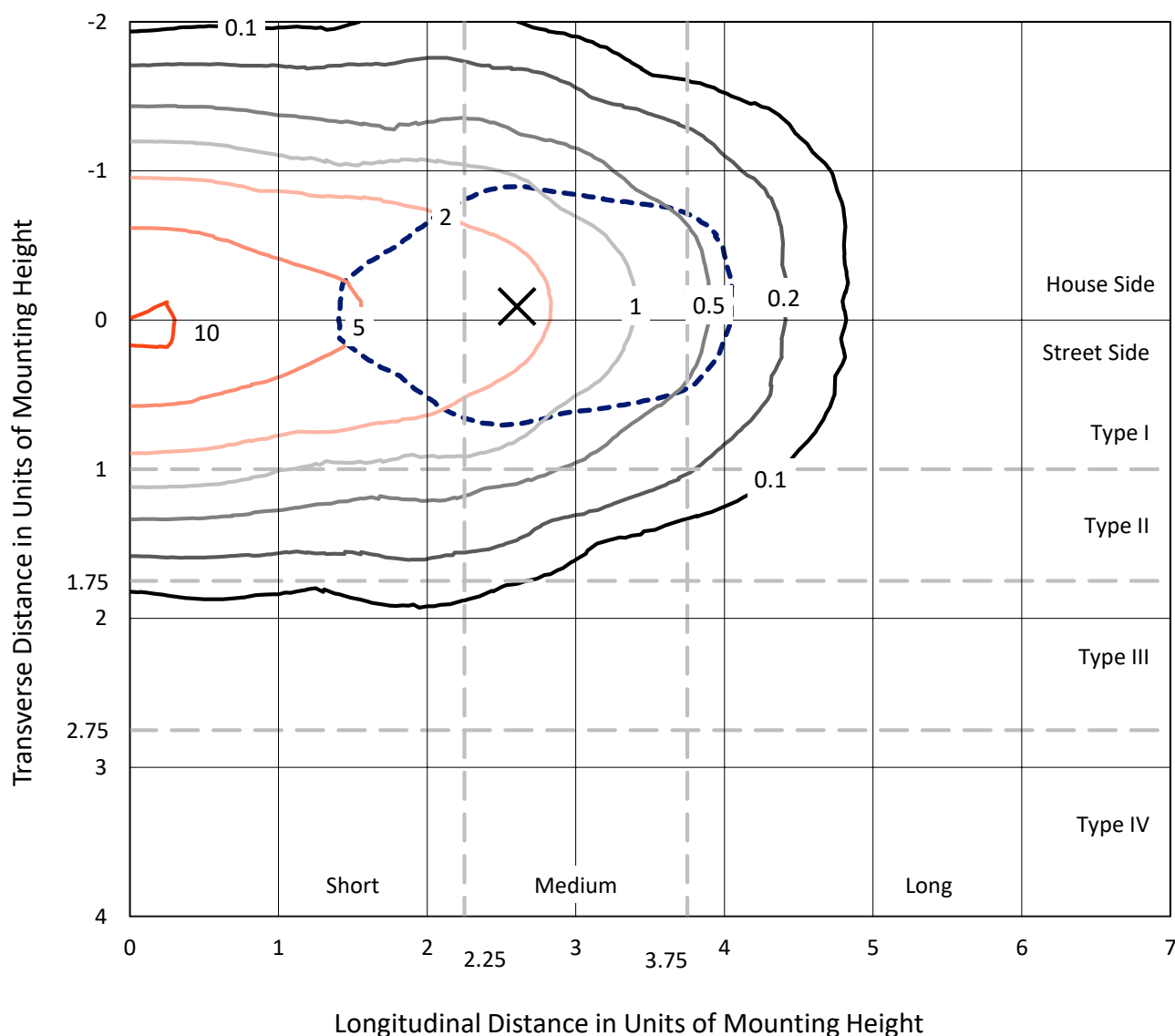


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

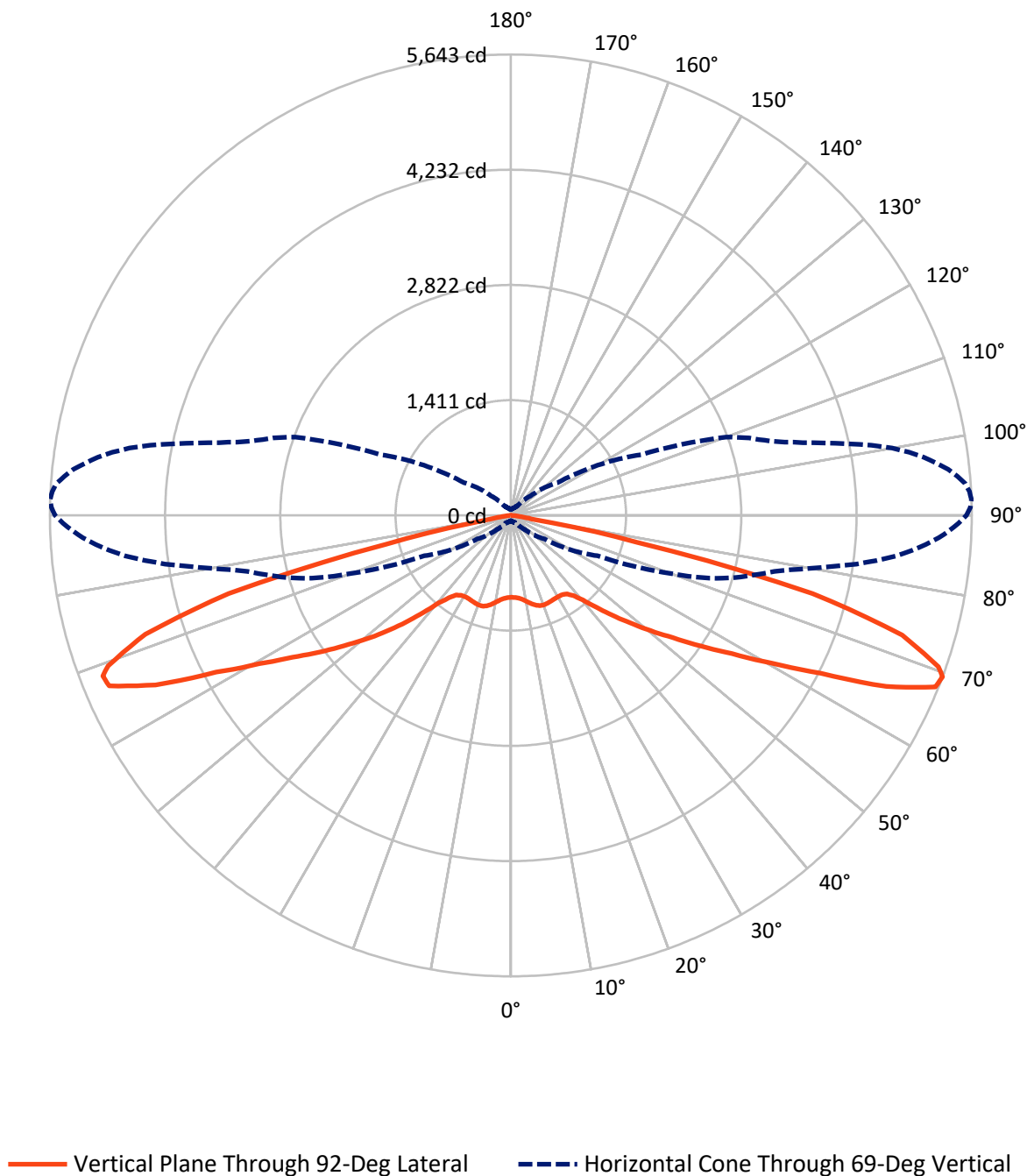


Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type I - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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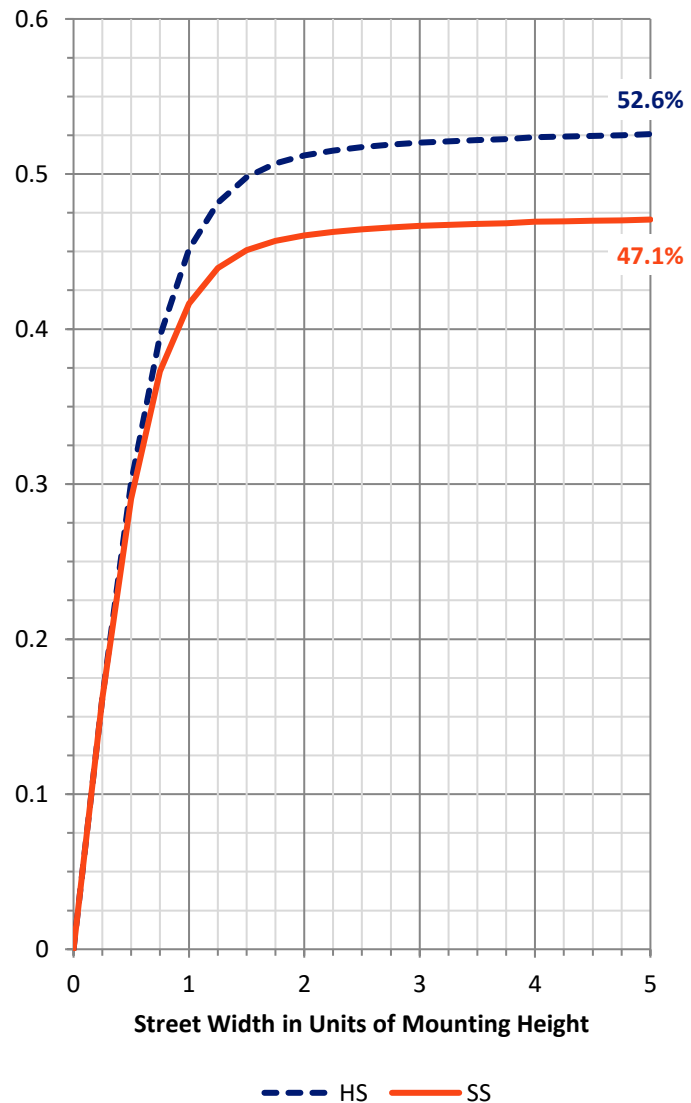
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2799.2	0.0	2799.2
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	2478.8	0.0	2478.8
	% Fixture	47.0	0.0	47.0
Total	Lumens	5278.0	0.0	5278.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	1.9
10°-20°	309.9	5.9
20°-30°	502.8	9.5
30°-40°	626.6	11.9
40°-50°	780.2	14.8
50°-60°	962.2	18.2
60°-70°	1195.0	22.6
70°-80°	734.3	13.9
80°-90°	68.8	1.3
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°	5278.0	100.0
0°-180°	5278.0	100.0

Coefficient of Utilization



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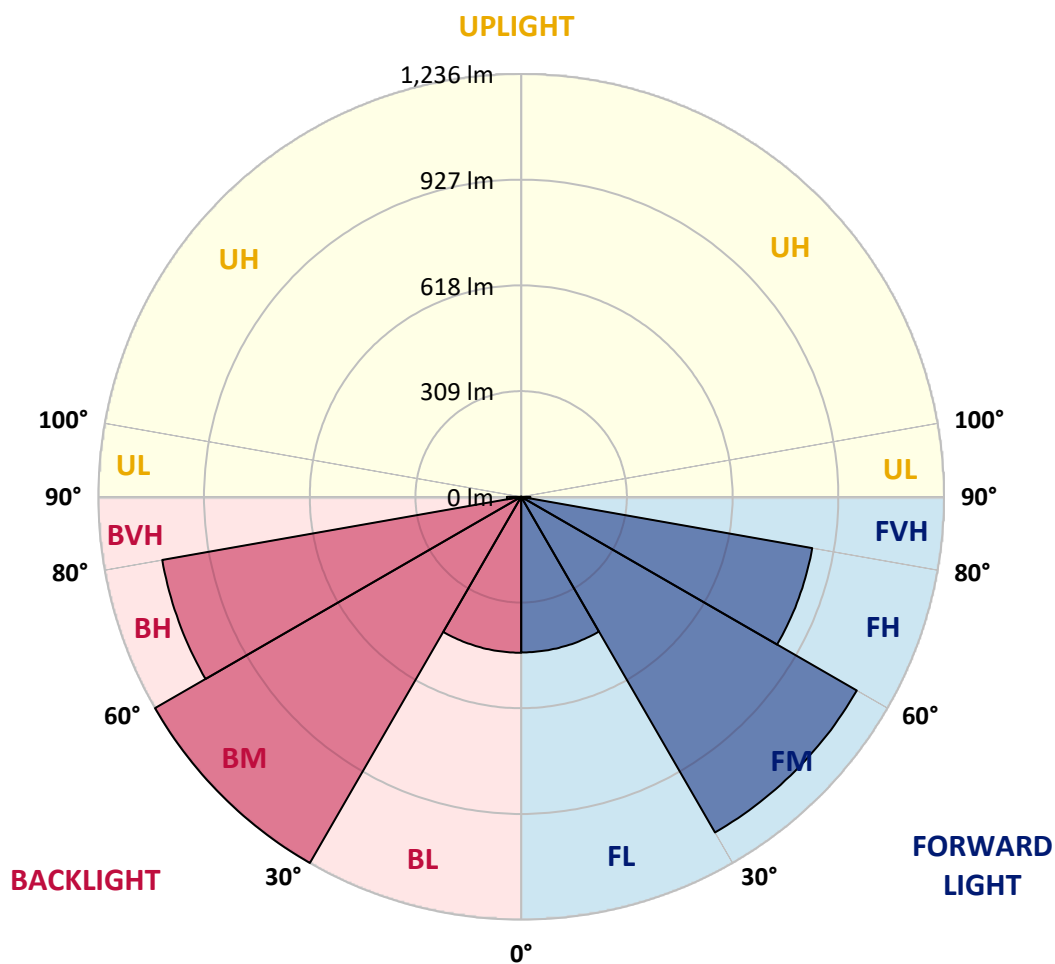
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	454.9	8.6			
FM	(30°-60°)	1133.0	21.5			
FH	(60°-80°)	863.9	16.4			G1/1800
FVH	(80°-90°)	26.9	0.5			G1/100
BL	(0°-30°)	455.9	8.6	B1/500		
BM	(30°-60°)	1236.1	23.4	B2/2500		
BH	(60°-80°)	1065.3	20.2	B3/2500		G3/2500
BVH	(80°-90°)	41.9	0.8			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 I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6
2.5°	1018.5	1015.8	1018.2	1018.5	1018.2	1018.2	1015.1	1014.5	1010.4	1011.4	1011.1
5°	1032.4	1031.4	1033.1	1033.8	1034.5	1033.1	1030.7	1029.7	1027.0	1026.0	1025.6
7.5°	1045.3	1043.6	1046.3	1048.7	1050.4	1050.7	1051.1	1049.3	1049.3	1048.0	1048.0
10°	1056.1	1054.8	1059.2	1062.2	1067.6	1070.7	1074.1	1076.5	1077.8	1078.1	1077.8
12.5°	1060.9	1059.8	1067.0	1076.1	1086.3	1093.4	1101.9	1108.0	1109.6	1109.3	1111.0
15°	1052.8	1053.4	1064.3	1082.2	1103.9	1121.9	1133.7	1138.8	1140.2	1140.8	1141.2
17.5°	1030.7	1032.1	1047.7	1076.8	1114.7	1147.3	1164.9	1164.9	1162.2	1162.2	1161.8
20°	995.5	996.8	1017.2	1059.2	1115.1	1164.9	1190.0	1184.9	1174.7	1172.7	1170.7
22.5°	946.7	952.1	974.5	1023.2	1100.5	1170.0	1205.6	1198.1	1182.2	1177.8	1174.7
25°	891.5	890.8	917.6	972.4	1065.3	1157.8	1210.0	1208.6	1191.7	1186.9	1181.5
27.5°	828.4	830.5	855.2	910.8	1011.4	1122.5	1202.5	1220.5	1206.6	1201.9	1196.8
30°	763.7	765.8	789.1	853.9	950.1	1072.1	1187.3	1232.0	1226.6	1222.9	1219.4
32.5°	698.6	699.4	727.1	796.6	898.3	1011.7	1164.2	1242.5	1249.9	1248.2	1246.9
35°	637.7	638.3	668.5	739.0	847.1	960.2	1136.5	1257.7	1281.8	1283.8	1285.2
37.5°	578.4	579.4	610.3	684.1	796.6	921.3	1105.6	1281.1	1326.5	1334.0	1335.4
40°	519.4	520.4	549.9	628.2	745.4	887.0	1081.9	1314.0	1386.8	1397.0	1407.5
42.5°	463.2	466.9	492.0	566.9	688.5	844.7	1071.7	1354.0	1458.3	1474.3	1486.1
45°	410.6	411.0	439.4	509.6	621.1	787.4	1064.9	1399.4	1538.3	1562.3	1578.6
47.5°	354.4	358.5	388.3	456.4	558.1	716.6	1043.3	1452.5	1625.3	1653.5	1686.4
50°	299.9	305.6	334.4	401.9	500.5	643.4	985.0	1514.9	1723.3	1759.9	1797.8
52.5°	247.3	247.0	277.5	347.6	442.5	581.5	890.5	1580.3	1836.5	1875.8	1916.8
55°	187.0	187.0	217.2	281.2	379.8	526.2	789.1	1621.0	1941.5	1988.9	2033.6
57.5°	128.4	131.8	160.3	215.5	314.5	475.7	711.5	1597.6	2021.8	2080.7	2134.0
60°	95.2	98.6	119.6	154.9	246.0	416.1	653.3	1487.5	2070.2	2148.5	2217.7
62.5°	82.3	84.7	104.7	124.0	177.2	352.7	601.7	1347.5	2140.1	2247.1	2343.4
65°	73.5	75.9	95.9	107.1	138.6	283.6	572.9	1267.6	2223.4	2387.0	2526.7
67.5°	68.1	70.8	87.8	95.9	121.0	256.5	550.6	1248.9	2222.7	2421.3	2599.5
69°	65.4	67.4	81.3	90.1	116.9	248.3	502.1	1168.0	2076.0	2289.1	2468.0
70°	63.7	65.8	77.6	86.4	115.6	233.8	457.4	1060.9	1909.0	2123.5	2305.1
72.5°	58.3	60.3	69.1	77.3	96.2	156.2	318.8	679.0	1364.2	1517.3	1725.0
75°	51.5	53.9	60.7	67.4	72.8	90.5	184.0	352.4	780.0	896.2	1081.2
77.5°	42.0	44.4	51.5	62.3	61.7	68.8	119.6	216.5	365.3	453.0	521.5
80°	34.6	36.2	42.4	63.0	50.5	57.6	96.9	177.5	257.2	284.3	300.5
82.5°	23.0	25.4	32.9	49.4	38.6	41.0	72.5	166.0	217.5	238.6	258.2
85°	10.9	11.9	20.0	26.4	23.4	22.0	41.3	117.2	161.9	171.8	179.2
87.5°	0.0	0.0	1.0	2.0	3.1	3.1	7.4	24.7	45.4	54.9	54.2
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6
2.5°	1009.7	1010.0	1009.7	1009.7	1009.4	1008.7	1008.7	1008.0	1008.4	1008.0	1008.7
5°	1025.3	1025.3	1024.3	1023.6	1024.6	1023.6	1024.0	1022.3	1022.3	1021.3	1019.9
7.5°	1047.7	1047.7	1048.0	1046.0	1047.3	1047.7	1046.6	1046.0	1045.3	1043.6	1043.9
10°	1077.5	1077.5	1078.5	1075.8	1077.1	1077.8	1078.1	1078.1	1077.5	1074.4	1074.8
12.5°	1110.7	1110.0	1110.4	1109.0	1110.4	1111.0	1111.7	1111.0	1111.0	1110.4	1110.0
15°	1140.8	1140.5	1141.2	1140.2	1140.5	1141.2	1143.2	1142.9	1142.5	1140.5	1140.5
17.5°	1161.5	1160.5	1159.8	1159.5	1159.5	1159.1	1159.5	1159.5	1158.5	1158.1	1158.1
20°	1169.3	1166.6	1164.9	1163.9	1162.5	1161.8	1161.2	1161.5	1160.8	1159.8	1160.2
22.5°	1170.7	1166.9	1163.5	1160.5	1157.8	1156.1	1154.4	1153.7	1152.0	1151.0	1151.0
25°	1177.1	1171.3	1165.9	1160.8	1156.7	1153.0	1149.3	1146.6	1144.6	1142.2	1141.5
27.5°	1191.3	1185.2	1178.8	1172.3	1166.9	1159.5	1154.4	1149.0	1144.2	1140.5	1137.8
30°	1213.4	1207.3	1200.8	1193.3	1186.3	1178.5	1170.0	1163.5	1156.7	1149.3	1145.2
32.5°	1242.5	1238.4	1232.0	1224.9	1218.4	1210.3	1200.1	1190.3	1183.9	1175.0	1168.6
35°	1284.2	1279.4	1277.4	1274.3	1267.9	1262.8	1251.7	1242.5	1236.4	1224.2	1219.4
37.5°	1341.1	1340.8	1342.4	1341.4	1342.4	1336.0	1330.9	1330.6	1321.8	1309.9	1298.4
40°	1418.7	1422.7	1431.9	1438.3	1444.4	1445.1	1452.2	1444.8	1445.8	1444.1	1432.3
42.5°	1507.1	1521.0	1531.9	1550.8	1565.4	1579.0	1588.1	1600.6	1610.1	1618.6	1620.6
45°	1605.7	1626.4	1651.4	1668.4	1696.9	1719.5	1750.7	1774.8	1799.9	1824.6	1833.4
47.5°	1712.8	1738.6	1766.3	1797.8	1833.7	1869.3	1917.4	1954.4	1994.7	2028.2	2058.1
50°	1831.0	1857.8	1895.1	1931.3	1980.8	2021.8	2084.8	2133.3	2198.3	2243.0	2281.7
52.5°	1954.4	1987.9	2029.6	2069.6	2120.0	2172.6	2242.7	2314.2	2392.5	2460.2	2516.5
55°	2075.0	2116.3	2156.3	2203.1	2259.0	2320.0	2399.3	2493.5	2591.0	2668.6	2743.1
57.5°	2182.4	2230.2	2277.3	2324.7	2382.0	2452.8	2541.9	2643.5	2755.4	2858.7	2961.1
60°	2282.0	2339.3	2396.9	2456.2	2521.9	2609.3	2716.4	2841.4	2986.1	3127.4	3261.2
62.5°	2439.6	2514.8	2586.3	2662.9	2742.2	2844.8	2971.2	3135.2	3301.2	3477.8	3615.0
65°	2653.0	2758.7	2852.3	2951.6	3054.2	3191.5	3342.5	3538.7	3776.6	3957.5	4177.8
67.5°	2759.1	2898.4	3018.7	3129.1	3256.1	3394.7	3574.3	3806.4	4060.2	4322.5	4568.1
69°	2634.4	2778.1	2911.2	3034.9	3163.3	3297.8	3485.5	3723.7	3992.1	4275.7	4515.6
70°	2472.8	2616.4	2758.4	2899.4	3016.6	3147.7	3336.1	3581.8	3849.8	4144.6	4382.5
72.5°	1894.4	2067.2	2195.6	2327.8	2463.7	2574.8	2792.3	2999.3	3278.5	3577.7	3839.6
75°	1212.0	1370.9	1511.2	1623.7	1756.5	1889.6	2050.3	2280.3	2455.1	2700.8	2913.2
77.5°	622.7	669.8	805.1	845.4	937.6	1010.0	1098.5	1156.1	1298.4	1328.6	1453.9
80°	295.1	266.0	250.4	236.2	240.2	238.6	231.4	221.9	233.8	228.7	226.7
82.5°	257.2	229.4	182.9	155.5	134.5	114.2	98.3	90.1	91.1	93.8	94.9
85°	180.2	169.4	132.1	100.3	78.2	60.7	48.8	46.7	48.1	51.8	50.5
87.5°	52.2	54.5	48.1	33.5	23.4	16.9	13.2	14.9	14.2	13.9	14.6
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6
2.5°	1008.7	1008.4	1007.3	1006.3	1006.3	1005.7	1006.3	1006.7	1006.3	1006.3	1005.7
5°	1020.2	1020.5	1021.6	1019.5	1019.2	1019.5	1018.2	1017.8	1016.8	1017.8	1016.5
7.5°	1042.3	1043.3	1043.3	1041.9	1041.5	1042.6	1040.5	1039.9	1038.8	1038.5	1038.2
10°	1075.1	1076.1	1074.4	1073.4	1072.4	1073.8	1072.1	1072.1	1071.1	1070.0	1069.7
12.5°	1111.7	1111.0	1110.4	1111.0	1110.0	1110.0	1109.0	1108.3	1108.0	1107.7	1106.9
15°	1140.2	1142.5	1142.5	1143.2	1142.5	1142.5	1141.2	1141.5	1140.8	1140.5	1140.8
17.5°	1158.5	1159.1	1160.8	1161.8	1161.8	1162.2	1161.5	1162.2	1161.5	1161.5	1162.9
20°	1160.8	1161.5	1163.2	1164.9	1165.9	1166.6	1166.6	1167.6	1168.3	1169.0	1170.7
22.5°	1151.3	1152.4	1154.4	1157.5	1159.1	1159.8	1161.2	1162.9	1164.5	1165.9	1168.3
25°	1141.5	1141.9	1143.9	1147.0	1149.0	1150.7	1153.0	1155.1	1157.5	1160.2	1162.9
27.5°	1136.1	1135.7	1137.5	1140.5	1142.2	1144.6	1146.6	1149.7	1152.4	1155.7	1158.1
30°	1140.8	1138.1	1138.4	1139.8	1141.2	1142.9	1145.2	1148.0	1151.0	1154.0	1156.7
32.5°	1161.8	1155.7	1151.7	1150.7	1151.0	1151.3	1152.7	1154.4	1156.7	1159.1	1160.2
35°	1207.3	1196.8	1191.3	1186.9	1183.2	1180.1	1180.8	1180.5	1180.5	1182.5	1180.1
37.5°	1293.7	1280.5	1274.7	1266.9	1262.5	1251.3	1248.2	1247.6	1243.1	1243.1	1238.1
40°	1429.2	1421.4	1417.0	1409.9	1388.5	1391.2	1376.0	1376.3	1363.8	1365.1	1356.4
42.5°	1622.0	1623.0	1617.6	1612.9	1596.2	1588.8	1574.5	1554.2	1538.3	1538.0	1520.3
45°	1844.9	1857.1	1839.8	1846.0	1831.4	1811.4	1794.8	1768.7	1744.0	1736.2	1718.2
47.5°	2078.0	2098.0	2084.8	2087.2	2080.1	2051.6	2029.3	1997.0	1964.9	1943.2	1932.4
50°	2327.1	2340.3	2339.9	2333.5	2330.2	2302.4	2266.4	2242.0	2218.3	2189.2	2179.7
52.5°	2552.8	2583.6	2604.2	2599.5	2589.7	2573.1	2541.2	2520.2	2485.3	2481.2	2485.3
55°	2794.3	2834.3	2855.3	2880.7	2881.1	2878.0	2864.8	2857.0	2824.5	2828.2	2823.5
57.5°	3023.0	3081.7	3113.8	3168.1	3186.7	3211.4	3202.3	3212.5	3192.8	3205.7	3202.0
60°	3333.1	3414.4	3467.9	3542.2	3576.7	3638.7	3650.9	3658.4	3669.2	3695.6	3680.7
62.5°	3723.1	3842.3	3953.5	4054.4	4087.6	4180.8	4196.1	4254.4	4257.4	4275.4	4242.5
65°	4361.4	4506.8	4629.1	4750.1	4819.9	4928.9	4973.0	5086.2	5051.6	5066.2	4996.1
67.5°	4779.5	4948.6	5112.6	5227.1	5343.0	5454.5	5534.8	5608.0	5607.3	5593.1	5530.7
69°	4742.6	4931.0	5092.6	5246.1	5368.1	5482.6	5579.2	5626.6	5643.2	5622.5	5578.1
70°	4614.8	4808.3	5006.2	5132.6	5265.4	5391.1	5490.7	5542.6	5554.1	5539.6	5501.2
72.5°	4024.6	4210.3	4428.5	4543.4	4704.0	4794.8	4932.0	4999.1	5011.0	4992.3	4967.3
75°	3140.9	3174.5	3396.8	3470.0	3586.5	3691.2	3776.6	3754.9	3815.6	3803.7	3794.2
77.5°	1479.7	1390.2	1534.2	1601.3	1566.1	1472.2	1608.8	1510.1	1575.5	1660.6	1638.9
80°	244.0	243.3	249.7	263.9	247.0	262.3	261.9	254.5	255.1	273.4	263.9
82.5°	93.8	95.9	96.9	99.6	99.6	100.0	101.6	103.7	102.0	105.4	104.7
85°	50.8	54.2	51.2	48.8	50.5	51.5	52.9	54.5	52.9	58.0	55.2
87.5°	13.2	13.9	12.2	12.2	11.9	10.9	10.9	11.5	12.5	14.9	16.3
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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CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6
2.5°	1004.3	1004.6	1005.0	1004.0	1003.3	1003.3	1003.0	1002.2	1001.9	1001.9	1001.9
5°	1015.8	1016.5	1014.8	1014.5	1013.8	1013.1	1013.1	1012.4	1012.7	1012.7	1011.1
7.5°	1038.8	1037.8	1035.8	1034.5	1035.8	1033.4	1032.4	1033.1	1032.4	1032.8	1032.1
10°	1069.7	1069.7	1067.3	1068.7	1067.0	1064.3	1065.3	1064.3	1063.6	1061.2	1062.6
12.5°	1108.0	1106.9	1105.6	1102.6	1101.5	1101.2	1098.1	1098.5	1097.5	1096.8	1095.8
15°	1141.5	1141.2	1138.1	1136.5	1136.1	1134.7	1133.4	1132.7	1131.0	1130.7	1130.0
17.5°	1163.9	1162.9	1161.5	1159.8	1159.8	1157.8	1157.1	1155.4	1155.1	1154.0	1153.0
20°	1171.3	1171.7	1170.3	1169.0	1168.3	1166.9	1165.9	1164.5	1163.9	1162.5	1161.5
22.5°	1169.6	1169.6	1168.3	1168.0	1166.6	1164.5	1163.2	1161.5	1159.8	1158.1	1156.1
25°	1164.2	1163.9	1162.9	1161.2	1159.5	1156.4	1153.7	1151.0	1148.6	1146.6	1143.5
27.5°	1159.5	1158.8	1156.7	1154.4	1151.0	1147.6	1142.5	1138.8	1135.7	1133.0	1129.7
30°	1157.8	1155.4	1152.4	1148.6	1144.6	1139.5	1134.1	1129.3	1126.0	1123.2	1121.9
32.5°	1159.8	1156.7	1152.0	1147.3	1142.2	1136.1	1130.7	1126.6	1123.6	1122.9	1122.9
35°	1178.5	1173.4	1166.9	1160.2	1153.7	1148.6	1144.9	1144.6	1142.5	1144.9	1148.6
37.5°	1233.0	1228.6	1218.8	1210.0	1205.6	1203.2	1199.8	1200.5	1195.7	1203.2	1209.3
40°	1348.9	1343.5	1331.9	1324.8	1316.0	1307.5	1314.3	1312.3	1315.7	1314.3	1320.8
42.5°	1517.9	1512.5	1494.2	1491.5	1487.8	1484.4	1484.4	1481.7	1480.3	1485.1	1479.7
45°	1723.6	1712.8	1706.0	1714.1	1703.0	1706.3	1718.2	1702.3	1706.0	1684.0	1663.7
47.5°	1937.1	1936.1	1934.4	1944.2	1945.9	1951.0	1957.4	1941.2	1911.7	1895.1	1853.8
50°	2182.7	2193.2	2197.3	2206.8	2210.9	2214.6	2204.4	2180.4	2130.5	2086.5	2037.7
52.5°	2481.2	2462.9	2488.0	2497.2	2493.1	2478.2	2441.6	2412.1	2343.4	2280.0	2204.4
55°	2828.9	2833.3	2815.7	2808.5	2794.7	2753.3	2702.8	2636.5	2549.3	2466.7	2371.1
57.5°	3183.0	3181.3	3153.8	3115.2	3068.1	3018.3	2943.1	2847.8	2746.2	2635.1	2519.5
60°	3613.6	3611.9	3556.4	3490.3	3423.2	3342.9	3225.0	3110.5	2974.3	2828.2	2690.6
62.5°	4179.5	4106.6	4052.1	3953.5	3849.8	3744.8	3585.2	3433.0	3251.1	3066.8	2906.2
65°	4904.6	4784.6	4722.6	4579.6	4419.0	4255.0	4092.7	3892.8	3647.8	3424.9	3228.7
67.5°	5440.9	5331.2	5217.7	5075.0	4898.8	4715.8	4493.6	4241.8	3963.7	3713.6	3499.8
69°	5488.0	5385.4	5249.2	5106.2	4939.4	4740.6	4498.0	4216.1	3934.1	3681.1	3470.6
70°	5416.6	5307.4	5164.1	5015.3	4829.0	4641.3	4387.2	4093.4	3811.1	3557.4	3352.0
72.5°	4883.2	4776.8	4624.4	4446.5	4255.4	4094.8	3853.5	3547.2	3240.2	3005.8	2845.9
75°	3713.2	3689.9	3581.8	3478.1	3327.7	3148.4	2927.8	2721.8	2470.1	2222.0	2072.9
77.5°	1584.4	1638.2	1694.5	1702.6	1708.0	1652.8	1618.6	1566.8	1398.4	1321.8	1242.8
80°	292.7	261.6	279.2	281.2	292.7	298.9	321.2	380.8	387.6	402.2	420.1
82.5°	104.0	105.7	108.4	109.4	110.5	114.5	129.8	155.5	178.9	209.4	250.1
85°	59.0	60.0	62.3	64.4	65.8	69.8	78.2	93.5	116.6	151.4	205.3
87.5°	17.9	20.3	21.7	24.4	25.4	26.1	29.8	40.0	51.5	76.3	111.1
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):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6	1002.6
2.5°	1001.9	1001.6	1000.9	1000.2	1000.6	999.9	997.9	997.2	994.8	993.1	991.7
5°	1011.1	1010.8	1009.4	1009.7	1009.4	1006.0	1003.6	999.5	997.2	993.5	992.1
7.5°	1030.0	1029.7	1027.3	1028.3	1027.7	1022.6	1018.5	1012.1	1008.7	1004.0	1000.2
10°	1058.5	1058.5	1055.8	1056.1	1056.1	1049.3	1042.3	1031.4	1023.6	1016.2	1009.7
12.5°	1093.1	1091.7	1091.4	1089.7	1088.3	1080.8	1070.0	1055.5	1040.9	1028.7	1019.9
15°	1127.9	1126.0	1124.9	1122.9	1121.2	1114.4	1099.9	1081.9	1062.2	1042.6	1028.0
17.5°	1150.7	1149.3	1147.3	1146.6	1144.2	1137.5	1127.3	1109.3	1084.9	1057.5	1035.5
20°	1159.1	1156.7	1155.4	1154.0	1152.7	1148.0	1148.0	1136.5	1109.3	1070.7	1037.2
22.5°	1153.7	1152.4	1150.3	1149.3	1148.0	1148.6	1161.8	1160.2	1129.0	1073.8	1025.0
25°	1141.2	1139.5	1137.8	1137.8	1137.5	1144.6	1176.4	1180.8	1134.7	1058.8	998.2
27.5°	1128.3	1126.0	1126.6	1126.9	1128.7	1143.9	1192.3	1186.3	1119.2	1022.9	952.1
30°	1120.5	1120.5	1122.2	1124.9	1128.3	1155.1	1204.9	1174.0	1078.9	968.7	891.1
32.5°	1123.9	1127.3	1131.0	1137.8	1142.9	1179.8	1209.3	1142.5	1020.2	901.6	827.4
35°	1154.0	1158.1	1165.3	1175.8	1181.8	1215.4	1209.3	1096.4	952.1	844.0	761.7
37.5°	1219.8	1223.9	1232.3	1240.4	1246.6	1260.1	1204.2	1037.8	895.2	784.4	702.7
40°	1325.5	1331.3	1337.3	1336.0	1331.9	1318.7	1194.1	983.3	842.7	732.2	644.8
42.5°	1474.3	1468.8	1468.1	1454.9	1441.4	1384.8	1186.6	947.7	797.6	677.3	587.2
45°	1646.0	1624.0	1601.3	1583.7	1563.0	1457.3	1184.6	918.9	747.8	616.3	524.5
47.5°	1818.8	1783.6	1739.6	1712.1	1678.6	1534.6	1190.6	880.3	683.8	549.9	465.9
50°	1988.3	1930.7	1876.1	1843.3	1805.3	1623.4	1200.5	815.2	607.2	489.6	412.4
52.5°	2145.1	2071.0	2015.0	1976.4	1930.0	1726.7	1191.7	729.8	540.8	431.6	361.6
55°	2294.2	2212.2	2154.3	2113.6	2059.1	1830.4	1127.9	652.3	477.4	375.1	304.3
57.5°	2424.7	2346.1	2285.8	2230.5	2184.4	1920.5	1002.2	588.2	416.4	310.4	242.3
60°	2577.1	2488.7	2417.2	2358.2	2304.1	1966.9	861.3	531.3	351.4	240.2	175.2
62.5°	2782.8	2681.2	2598.5	2531.0	2460.2	1977.1	765.1	474.4	278.9	173.8	127.4
65°	3087.8	2962.4	2859.1	2766.2	2670.3	1935.1	717.7	412.4	207.4	129.1	106.7
67.5°	3330.0	3199.9	3080.3	2961.1	2838.4	1857.1	707.2	355.1	159.2	109.8	95.9
69°	3300.5	3176.5	3066.8	2937.7	2801.8	1759.2	696.7	333.1	145.4	102.0	90.8
70°	3187.0	3069.5	2958.0	2852.9	2686.6	1650.1	668.9	320.9	139.9	98.3	87.1
72.5°	2693.0	2556.8	2448.7	2317.9	2142.8	1226.2	507.2	259.6	128.4	89.8	78.6
75°	1964.2	1851.4	1743.6	1598.9	1428.5	709.5	315.8	148.4	94.2	81.3	71.2
77.5°	1147.0	1121.5	1017.5	922.3	753.5	361.2	181.3	88.8	73.2	73.9	62.7
80°	431.6	459.8	470.3	437.4	404.2	249.4	131.8	72.2	63.7	72.8	53.2
82.5°	314.8	365.3	371.3	355.8	331.0	232.4	105.4	58.0	51.8	78.2	45.7
85°	262.6	290.7	295.1	278.9	270.7	196.9	73.5	40.7	37.9	56.2	34.2
87.5°	132.8	139.9	143.6	130.1	130.8	91.8	29.5	17.3	20.6	24.1	19.0
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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CATALOG NUMBER: VST-F02-LED-E-U-RW-7060

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	1002.6	1002.6
2.5°	988.7	990.7
5°	990.1	990.1
7.5°	997.9	997.9
10°	1006.3	1006.7
12.5°	1014.1	1013.8
15°	1020.2	1019.2
17.5°	1024.0	1022.9
20°	1020.2	1018.5
22.5°	1001.2	996.5
25°	966.7	960.6
27.5°	920.9	916.9
30°	861.3	855.2
32.5°	791.5	788.5
35°	724.7	721.0
37.5°	663.8	662.8
40°	612.2	606.8
42.5°	551.9	549.6
45°	490.6	489.3
47.5°	433.0	431.6
50°	379.8	377.1
52.5°	327.7	323.2
55°	269.7	266.6
57.5°	207.0	204.3
60°	145.7	142.6
62.5°	103.7	100.3
65°	86.4	83.7
67.5°	78.2	75.2
69°	74.5	71.8
70°	72.2	70.1
72.5°	67.1	65.8
75°	61.3	60.3
77.5°	53.9	52.2
80°	45.1	43.4
82.5°	37.9	36.2
85°	25.4	23.0
87.5°	11.5	10.1
90°	0.0	0.0

(END OF REPORT)