

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: P159114

Luminaire Tested: **VST-F05-LED-E-U-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159114
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-F05-LED-E-U-SLR-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10131 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 133.3
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



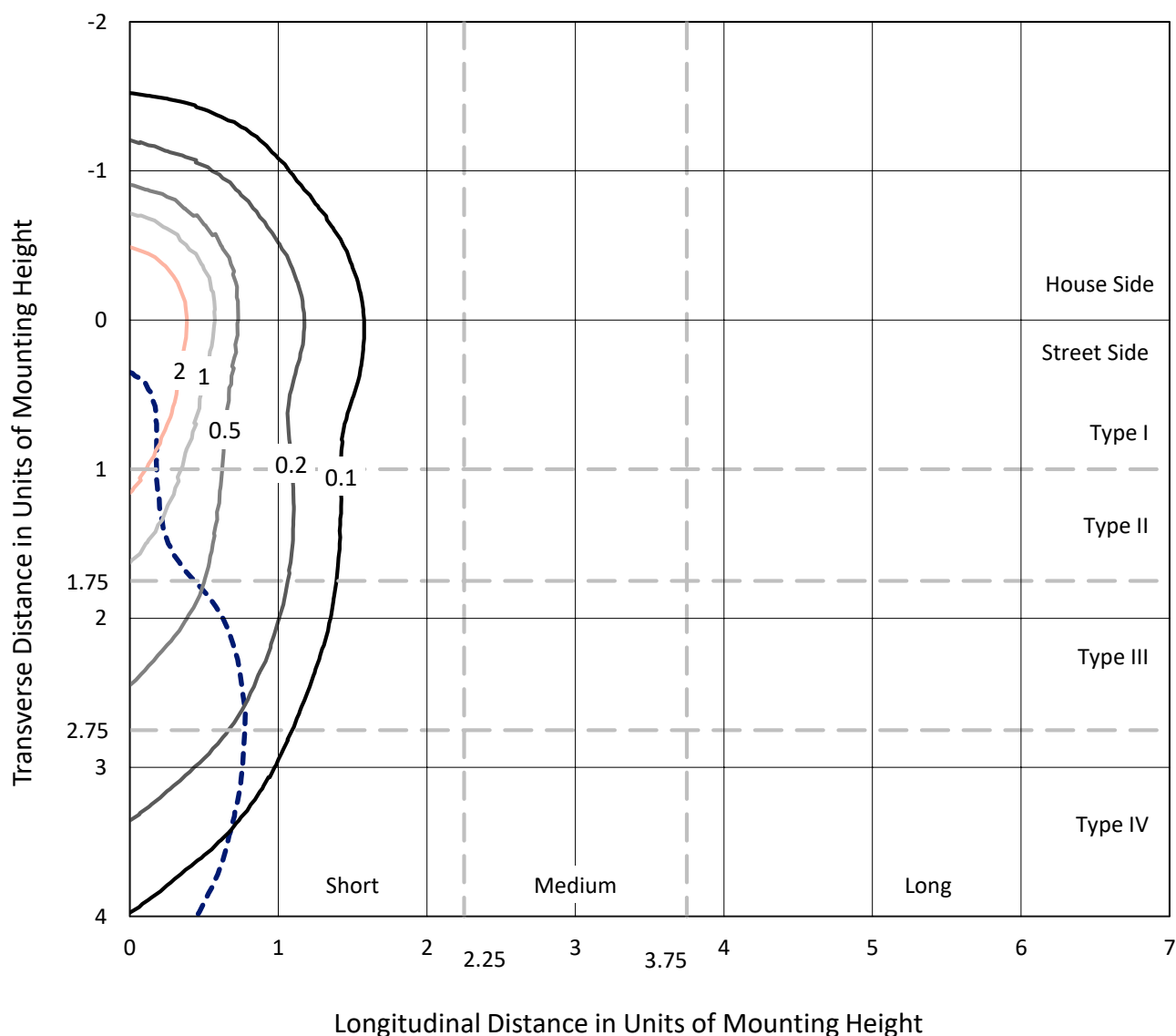
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

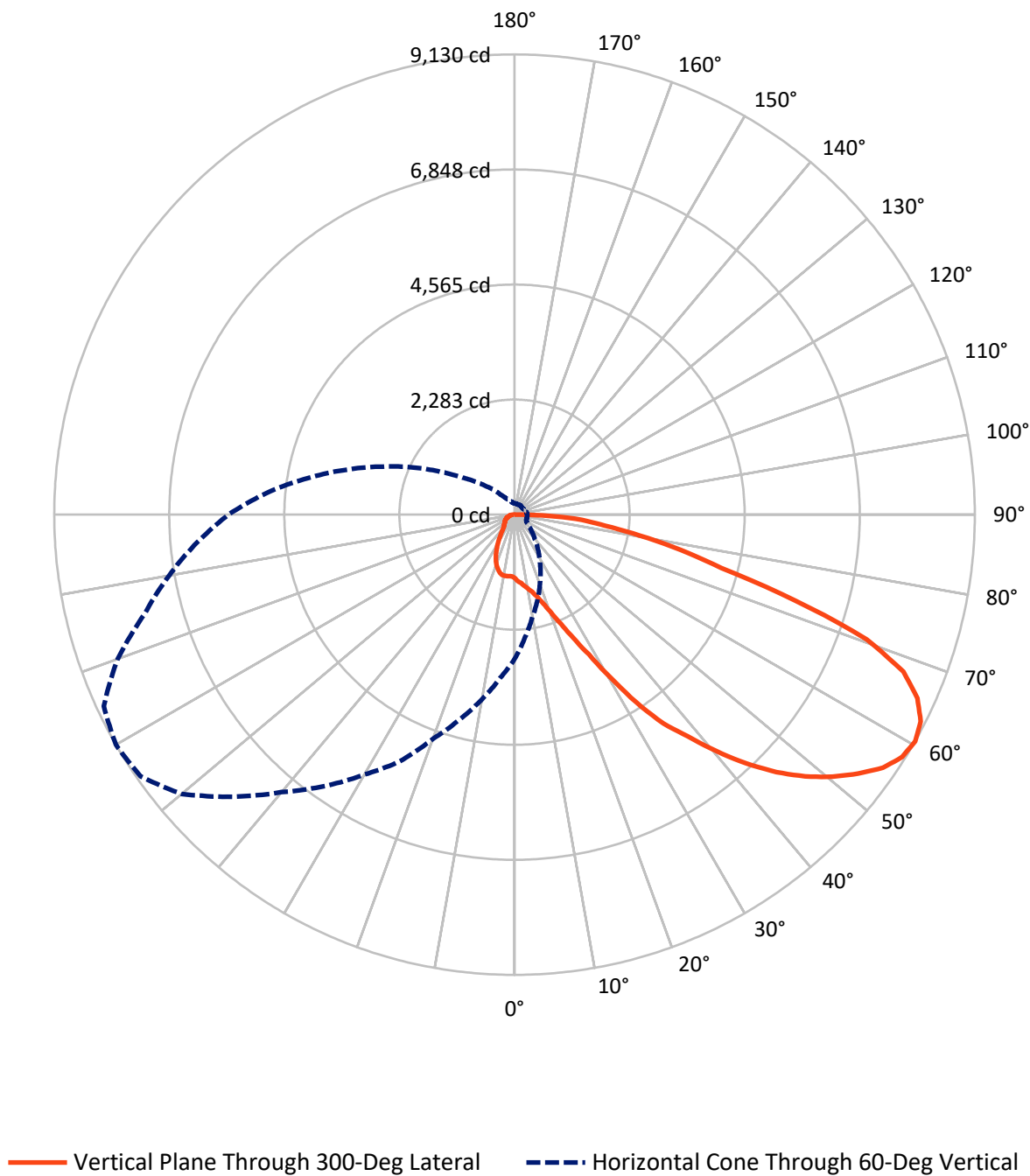


Based on 20 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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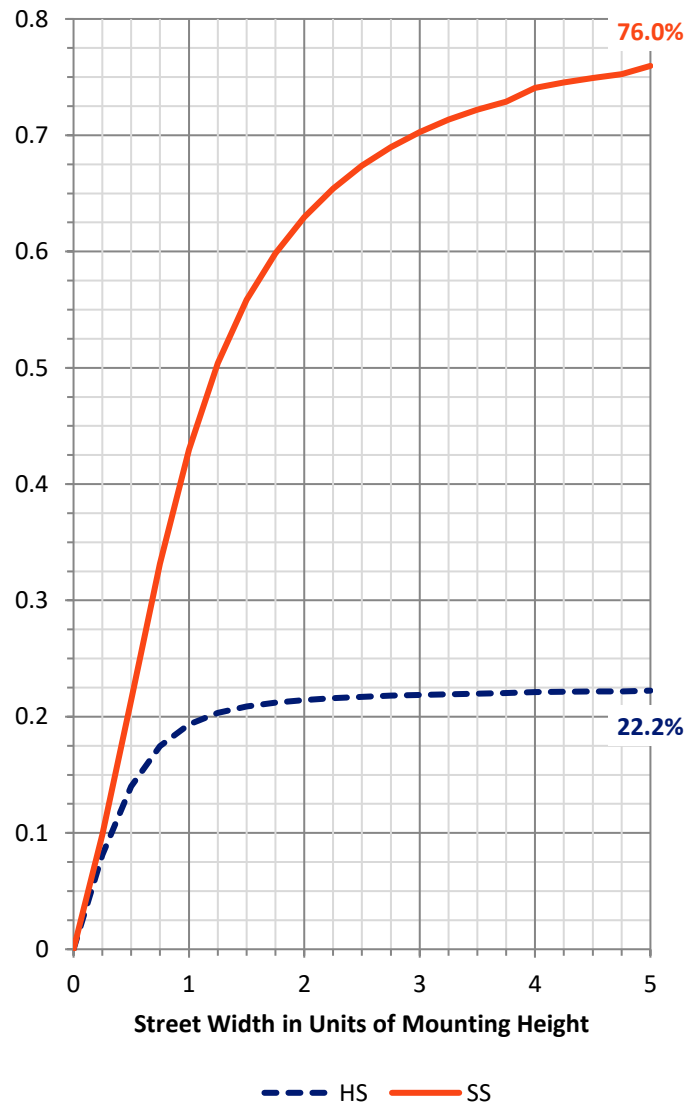
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2281.2	0.0	2281.2
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	7849.8	0.0	7849.8
	% Fixture	77.5	0.0	77.5
Total	Lumens	10131.0	0.0	10131.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	1.2
10°-20°	401.3	4.0
20°-30°	761.6	7.5
30°-40°	1199.3	11.8
40°-50°	1674.0	16.5
50°-60°	2070.3	20.4
60°-70°	2146.0	21.2
70°-80°	1350.4	13.3
80°-90°	403.7	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°	10131.0	100.0
0°-180°	10131.0	100.0

Coefficient of Utilization



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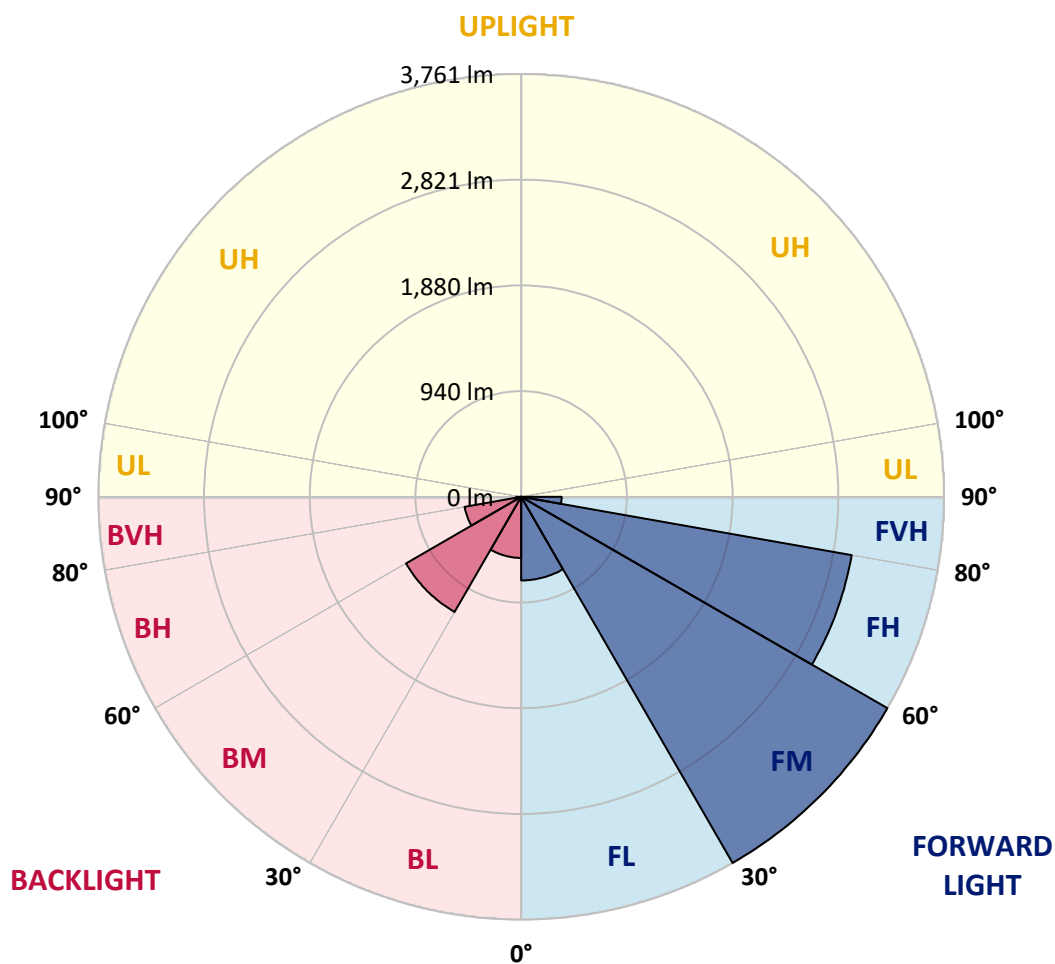
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	743.8	7.3			
FM	(30°-60°)	3760.8	37.1			
FH	(60°-80°)	2985.5	29.5			G2/5000
FVH	(80°-90°)	359.7	3.6			G3/500
BL	(0°-30°)	543.5	5.4	B2/1000		
BM	(30°-60°)	1182.9	11.7	B2/2500		
BH	(60°-80°)	510.9	5.0	B2/1000		G2/1000
BVH	(80°-90°)	43.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1334.6	1254.6	1256.2	1253.9	1253.9	1252.4	1253.9	1252.4	1250.9	1250.9	1251.6
5°	1351.9	1263.7	1263.7	1261.4	1259.9	1258.4	1259.9	1258.4	1257.7	1256.2	1256.9
7.5°	1368.5	1269.0	1266.0	1262.9	1259.2	1260.7	1260.7	1259.9	1260.7	1259.9	1261.4
10°	1395.6	1286.3	1278.8	1272.0	1271.2	1269.7	1269.7	1267.5	1267.5	1266.0	1266.7
12.5°	1465.0	1339.8	1331.6	1319.5	1317.2	1310.4	1306.7	1302.1	1294.6	1287.8	1282.5
15°	1581.9	1428.8	1413.0	1402.4	1397.9	1384.3	1363.2	1346.6	1324.8	1305.9	1286.3
17.5°	1725.1	1547.9	1529.1	1515.5	1492.9	1456.0	1420.5	1379.8	1337.6	1299.1	1263.7
20°	1925.7	1719.1	1682.2	1649.7	1593.2	1529.9	1463.5	1392.6	1327.8	1267.5	1215.4
22.5°	2197.1	1940.0	1871.4	1784.7	1679.9	1572.8	1467.3	1369.3	1282.5	1204.1	1134.8
25°	2509.3	2151.1	2027.5	1878.2	1717.6	1569.8	1431.1	1305.2	1204.1	1103.1	1027.7
27.5°	2739.3	2327.6	2145.1	1949.1	1744.0	1555.5	1385.1	1232.8	1110.6	1007.3	916.1
30°	2870.5	2428.6	2209.2	1979.2	1748.5	1531.4	1327.0	1150.6	1009.6	886.7	799.2
32.5°	2954.9	2482.9	2216.0	1949.1	1694.2	1459.7	1238.8	1055.6	902.5	771.3	678.6
35°	3025.8	2504.8	2184.3	1882.0	1591.7	1351.2	1125.7	942.5	780.4	659.7	564.7
37.5°	3054.4	2501.0	2133.8	1792.2	1491.4	1232.8	1010.4	822.6	677.8	571.5	490.1
40°	3049.1	2466.3	2065.2	1696.5	1373.8	1109.1	888.2	723.1	605.5	515.7	456.2
42.5°	3013.7	2420.3	1989.0	1599.2	1266.0	1006.6	805.3	659.0	564.0	496.1	444.1
45°	2969.2	2365.3	1919.7	1510.2	1180.8	933.4	757.0	640.9	558.7	493.9	438.1
47.5°	2908.9	2304.2	1849.5	1446.9	1135.5	911.6	756.3	651.5	563.2	488.6	427.5
50°	2843.3	2259.7	1811.1	1419.8	1130.2	925.1	782.6	668.0	566.2	483.3	413.2
52.5°	2797.3	2240.1	1810.3	1429.6	1158.1	962.8	813.6	689.2	577.6	486.3	410.2
55°	2740.8	2237.1	1829.9	1471.8	1219.2	1026.9	862.6	725.3	600.9	497.6	412.4
57.5°	2744.5	2296.7	1906.1	1575.8	1329.3	1113.6	925.1	769.8	623.6	504.4	408.7
60°	2863.7	2435.4	2056.1	1753.8	1473.3	1215.4	989.2	794.0	622.0	489.3	390.6
62.5°	3109.5	2643.5	2280.8	1962.6	1619.6	1293.9	1012.6	787.2	599.4	456.9	361.2
65°	3402.8	2887.0	2499.5	2124.8	1708.5	1311.9	992.3	749.5	554.2	414.7	325.7
67.5°	3696.1	3059.7	2625.4	2170.7	1672.4	1238.8	916.9	665.0	477.3	357.4	285.8
70°	3801.6	3095.1	2615.6	2067.5	1508.0	1057.1	754.7	535.3	383.0	292.5	240.5
72.5°	3643.3	2873.5	2325.3	1756.8	1226.0	819.6	553.4	395.1	292.5	229.2	196.0
75°	3055.9	2314.0	1838.2	1323.3	885.2	579.8	399.6	288.0	220.2	181.7	156.8
77.5°	2178.3	1611.3	1252.4	869.4	574.5	401.9	286.5	216.4	174.9	145.5	127.4
80°	1368.5	989.2	763.0	521.8	358.1	272.9	205.8	171.2	141.0	118.4	106.3
82.5°	824.1	576.1	449.4	324.2	235.2	187.0	151.6	134.2	112.3	98.0	91.2
85°	559.5	423.7	294.8	191.5	141.8	110.1	103.3	92.7	83.7	70.1	67.9
87.5°	107.1	151.6	131.9	78.4	52.0	44.5	39.2	37.7	33.9	27.1	30.9
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°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1247.1	1245.6	1242.6	1242.6	1240.3	1235.8	1235.0	1232.0	1228.3	1229.0	1228.3
5°	1251.6	1248.6	1244.8	1243.3	1240.3	1235.8	1233.5	1229.8	1226.0	1226.0	1226.0
7.5°	1256.9	1253.1	1250.1	1244.8	1238.8	1234.3	1228.3	1223.7	1221.5	1220.7	1221.5
10°	1261.4	1259.2	1254.6	1247.1	1238.8	1229.8	1223.7	1217.7	1211.7	1212.4	1213.2
12.5°	1271.2	1263.7	1251.6	1240.3	1227.5	1216.2	1205.6	1198.1	1190.6	1190.6	1191.3
15°	1264.4	1242.6	1226.0	1204.1	1189.8	1171.7	1159.6	1152.9	1148.3	1146.8	1147.6
17.5°	1224.5	1198.1	1173.2	1153.6	1134.0	1119.7	1114.4	1109.9	1103.8	1106.9	1103.8
20°	1164.2	1131.7	1096.3	1072.9	1049.6	1039.8	1030.7	1026.2	1022.4	1036.0	1036.0
22.5°	1077.5	1038.2	1002.1	973.4	947.0	936.5	927.4	922.1	924.4	941.0	942.5
25°	968.1	920.6	873.1	855.8	829.4	821.1	815.8	815.1	817.3	833.9	837.7
27.5°	852.0	802.2	761.5	721.6	709.5	702.7	692.9	704.2	706.5	724.6	732.1
30°	728.4	674.8	631.8	605.5	579.8	583.6	575.3	588.9	594.9	613.8	619.8
32.5°	601.7	551.2	508.2	481.8	463.7	466.0	459.9	472.0	478.0	500.7	512.0
35°	497.6	454.7	420.0	397.4	389.1	380.8	379.3	380.8	386.8	404.1	424.5
37.5°	438.1	402.6	377.8	361.2	349.9	344.6	341.6	341.6	341.6	345.3	355.1
40°	412.4	380.8	358.9	343.1	335.5	332.5	330.2	328.0	324.2	322.7	323.5
42.5°	401.1	364.9	341.6	329.5	325.0	325.0	325.0	323.5	319.7	315.9	312.2
45°	389.8	350.6	327.2	318.9	316.7	317.4	317.4	317.4	314.4	309.9	303.1
47.5°	375.5	334.8	311.4	306.1	306.1	308.4	309.1	309.1	306.1	301.6	296.3
50°	358.1	314.4	293.3	288.8	286.5	286.5	286.5	286.5	284.3	281.2	277.5
52.5°	349.1	303.1	281.2	276.7	276.7	274.5	273.7	271.4	269.2	266.9	261.6
55°	346.1	298.6	276.0	272.2	272.2	269.9	267.7	265.4	261.6	257.9	252.6
57.5°	337.8	288.8	269.2	266.2	266.2	264.7	262.4	260.1	256.4	251.1	244.3
60°	318.9	272.2	255.6	254.8	254.8	254.1	252.6	252.6	248.8	243.5	235.2
62.5°	294.8	254.8	239.0	239.0	238.3	237.5	234.5	233.7	229.2	222.4	214.9
65°	271.4	239.8	229.2	226.2	224.7	222.4	220.9	217.2	213.4	207.3	199.8
67.5°	242.0	217.2	210.4	207.3	204.3	202.1	199.8	197.5	193.0	188.5	182.5
70°	210.4	192.3	188.5	187.7	184.0	181.7	181.0	178.7	174.2	169.6	162.1
72.5°	180.2	169.6	166.6	166.6	162.1	159.1	157.6	156.8	153.8	150.0	143.3
75°	145.5	138.0	137.2	141.0	141.0	138.7	137.2	138.7	134.2	131.9	125.2
77.5°	119.1	115.4	113.1	114.6	119.1	116.9	113.9	113.9	113.9	110.1	107.8
80°	101.0	98.0	95.8	97.3	96.5	95.8	94.2	91.2	91.2	91.2	90.5
82.5°	91.2	90.5	82.2	82.2	79.2	76.9	75.4	73.9	72.4	72.4	76.2
85°	68.6	70.9	66.4	65.6	61.8	58.8	55.8	54.3	52.8	55.0	62.6
87.5°	33.2	33.2	31.7	35.4	32.4	30.9	28.7	27.1	28.7	35.4	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°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1226.7	1226.0	1225.2	1223.7	1220.7	1220.0	1218.5	1218.5	1217.7	1216.2	1217.7
5°	1224.5	1226.0	1226.0	1225.2	1223.0	1224.5	1224.5	1226.7	1226.7	1228.3	1232.0
7.5°	1221.5	1225.2	1228.3	1230.5	1233.5	1235.8	1240.3	1247.1	1250.1	1255.4	1257.7
10°	1215.4	1222.2	1227.5	1234.3	1241.8	1250.1	1256.9	1267.5	1271.2	1278.8	1282.5
12.5°	1198.1	1209.4	1218.5	1232.0	1244.8	1257.7	1269.7	1283.3	1290.1	1298.4	1303.7
15°	1155.9	1168.7	1181.5	1193.6	1216.2	1241.1	1260.7	1278.8	1288.6	1299.1	1304.4
17.5°	1105.4	1113.6	1124.2	1140.0	1161.9	1183.8	1215.4	1241.1	1256.2	1268.2	1269.7
20°	1046.5	1058.6	1066.1	1072.2	1089.5	1104.6	1138.5	1167.9	1187.5	1201.9	1205.6
22.5°	956.8	969.6	982.5	987.0	1000.5	1020.2	1039.0	1070.7	1098.6	1119.7	1132.5
25°	854.3	866.3	883.7	897.3	900.3	916.1	935.0	971.1	999.8	1033.7	1048.8
27.5°	751.7	762.3	781.1	788.7	797.7	813.6	828.6	858.8	889.0	928.2	944.8
30°	631.8	654.5	676.3	690.7	698.2	717.0	727.6	757.0	784.9	813.6	837.7
32.5°	529.3	549.7	574.5	592.6	601.7	616.0	632.6	657.5	679.3	707.2	735.1
35°	435.1	463.0	479.5	495.4	518.7	525.5	542.1	564.7	577.6	607.7	639.4
37.5°	368.7	385.3	401.9	417.7	437.3	446.4	462.2	481.0	496.1	514.2	542.9
40°	328.0	337.0	349.1	359.7	374.0	385.3	393.6	409.4	420.7	438.8	459.2
42.5°	309.1	311.4	312.9	320.4	328.0	335.5	344.6	351.4	364.9	378.5	391.3
45°	298.6	294.1	291.8	292.5	295.6	300.1	307.6	315.2	324.2	332.5	340.1
47.5°	289.5	283.5	276.7	272.9	273.7	275.2	281.2	287.3	291.8	298.6	301.6
50°	268.4	263.1	257.1	251.8	252.6	253.3	258.6	263.1	266.2	268.4	272.2
52.5°	254.8	247.3	242.0	236.8	236.0	238.3	242.8	247.3	248.8	250.3	251.1
55°	245.0	237.5	230.7	225.4	223.2	228.5	230.0	236.0	238.3	238.3	239.0
57.5°	237.5	228.5	221.7	216.4	212.6	216.4	220.2	227.0	227.7	226.2	226.2
60°	226.2	219.4	212.6	207.3	203.6	206.6	209.6	217.2	217.2	213.4	212.6
62.5°	206.6	202.8	198.3	196.0	195.3	198.3	200.6	206.6	204.3	199.8	198.3
65°	192.3	189.3	184.7	183.2	182.5	187.0	187.7	191.5	188.5	186.2	185.5
67.5°	174.9	172.7	170.4	169.6	167.4	167.4	168.9	171.2	169.6	169.6	170.4
70°	155.3	152.3	150.0	150.8	149.3	149.3	150.0	151.6	150.8	152.3	153.8
72.5°	137.2	133.5	132.7	132.7	131.2	131.9	131.9	132.7	134.2	135.0	138.7
75°	119.9	116.1	116.1	115.4	115.4	115.4	116.1	117.6	119.1	119.9	121.4
77.5°	104.1	101.8	102.5	101.8	101.8	101.8	101.8	104.1	104.8	105.6	107.8
80°	89.7	89.7	90.5	90.5	89.7	89.0	89.7	91.2	92.0	92.7	93.5
82.5°	81.4	82.2	82.2	82.2	78.4	76.9	79.2	80.7	82.2	82.9	84.4
85°	70.1	67.1	70.1	69.4	64.1	63.3	63.3	64.1	65.6	64.1	64.1
87.5°	45.2	40.7	43.0	43.0	37.7	30.9	39.2	42.2	37.7	40.0	40.0
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1220.0	1218.5	1219.2	1219.2	1220.7	1218.5	1221.5	1224.5	1225.2	1225.2	1226.0
5°	1235.8	1234.3	1239.6	1237.3	1242.6	1241.8	1245.6	1248.6	1250.1	1250.1	1250.1
7.5°	1260.7	1266.0	1269.0	1277.3	1278.0	1282.5	1286.3	1290.1	1288.6	1289.3	1288.6
10°	1288.6	1295.4	1302.9	1311.2	1311.9	1317.2	1323.3	1327.0	1325.5	1324.8	1322.5
12.5°	1312.7	1317.2	1326.3	1334.6	1339.1	1347.4	1353.4	1356.4	1356.4	1354.2	1351.9
15°	1311.2	1318.0	1327.8	1339.8	1348.1	1360.2	1370.8	1377.5	1378.3	1376.0	1375.3
17.5°	1278.0	1287.8	1296.9	1313.5	1328.5	1345.1	1362.5	1372.3	1381.3	1386.6	1389.6
20°	1218.5	1230.5	1243.3	1265.2	1285.6	1307.4	1327.8	1342.1	1355.7	1371.5	1390.4
22.5°	1148.3	1166.4	1184.5	1212.4	1237.3	1262.2	1285.6	1302.9	1324.0	1351.2	1386.6
25°	1066.1	1085.0	1107.6	1140.0	1171.7	1207.9	1242.6	1277.3	1318.0	1364.7	1419.8
27.5°	968.9	990.0	1019.4	1058.6	1094.8	1131.7	1186.0	1241.1	1307.4	1367.7	1430.3
30°	872.4	899.5	931.2	970.4	1006.6	1059.4	1113.6	1181.5	1251.6	1319.5	1394.1
32.5°	768.3	802.2	841.5	873.9	914.6	968.1	1022.4	1094.8	1169.4	1249.4	1331.6
35°	668.0	700.5	731.4	767.6	808.3	858.8	911.6	980.9	1075.2	1160.4	1258.4
37.5°	566.2	596.4	618.3	646.9	682.4	738.2	794.7	874.6	963.6	1068.4	1166.4
40°	477.3	502.2	527.0	549.7	579.8	632.6	692.9	771.3	858.8	960.6	1069.9
42.5°	406.4	425.3	452.4	479.5	505.2	550.4	607.0	683.9	770.6	874.6	984.0
45°	346.8	359.7	381.5	404.1	435.8	473.5	527.8	606.2	694.4	799.2	914.6
47.5°	303.9	309.9	325.0	348.3	377.8	414.7	461.4	532.3	618.3	723.8	845.2
50°	274.5	281.2	288.8	308.4	334.8	372.5	410.9	472.8	551.2	654.5	775.1
52.5°	254.1	257.1	260.1	272.2	296.3	328.0	368.7	415.5	494.6	593.4	702.0
55°	242.0	242.8	245.0	251.1	269.2	298.6	334.0	378.5	440.3	533.8	644.7
57.5°	227.7	229.2	231.5	235.2	246.6	272.9	303.1	339.3	390.6	469.0	575.3
60°	214.1	217.9	221.7	223.9	230.0	245.8	271.4	300.1	341.6	400.4	484.8
62.5°	199.8	204.3	207.3	209.6	211.9	221.7	240.5	259.4	285.0	323.5	386.8
65°	187.0	190.0	192.3	193.8	195.3	198.3	206.6	214.1	221.7	245.0	291.0
67.5°	172.7	174.2	174.9	175.7	174.9	174.9	175.7	178.7	181.7	190.8	212.6
70°	156.1	158.3	158.3	159.1	159.1	156.8	156.8	156.8	156.8	159.1	171.2
72.5°	140.2	143.3	143.3	144.0	143.3	142.5	142.5	142.5	144.8	146.3	150.8
75°	125.2	128.2	127.4	128.2	128.9	128.9	130.4	131.2	133.5	134.2	137.2
77.5°	110.1	112.3	113.1	112.3	113.9	115.4	118.4	119.9	120.6	121.4	122.1
80°	95.8	97.3	96.5	94.2	98.0	100.3	104.8	110.1	108.6	109.3	110.8
82.5°	79.2	76.9	75.4	76.9	79.2	82.2	86.7	93.5	94.2	98.0	97.3
85°	61.1	54.3	53.5	57.3	56.5	60.3	67.9	73.1	77.7	81.4	77.7
87.5°	36.2	32.4	27.1	25.6	27.9	36.9	38.5	46.7	50.5	52.0	46.7
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: P159114

CATALOG NUMBER: VST-F05-LED-E-U-SLR-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1294.6	1298.4	1298.4	1299.9	1302.1	1302.9	1305.9	1311.2	1311.9	1311.9	1314.2
5°	1318.7	1322.5	1322.5	1325.5	1326.3	1330.0	1333.8	1339.8	1342.9	1342.1	1351.9
7.5°	1357.9	1354.9	1352.7	1357.2	1359.5	1364.0	1371.5	1376.8	1382.1	1390.4	1403.9
10°	1391.1	1386.6	1384.3	1387.3	1388.9	1394.1	1398.7	1406.2	1419.0	1431.8	1448.4
12.5°	1418.3	1413.0	1407.0	1408.5	1410.7	1417.5	1425.0	1434.8	1453.7	1470.3	1495.2
15°	1440.9	1433.3	1427.3	1430.3	1435.6	1444.7	1457.5	1474.8	1505.7	1534.4	1567.6
17.5°	1462.7	1461.2	1459.0	1468.8	1472.5	1493.7	1512.5	1544.2	1586.4	1629.4	1676.9
20°	1483.9	1500.4	1508.7	1528.3	1540.4	1569.1	1597.7	1636.2	1689.7	1748.5	1813.4
22.5°	1513.3	1558.5	1586.4	1626.4	1646.7	1677.6	1719.9	1770.4	1829.9	1905.3	1988.3
25°	1583.4	1649.7	1705.5	1768.1	1819.4	1866.9	1917.4	1978.5	2064.4	2133.0	2241.6
27.5°	1614.3	1707.8	1791.5	1879.7	1956.6	2029.8	2109.7	2183.6	2285.4	2378.1	2509.3
30°	1584.9	1690.5	1799.0	1914.4	2026.7	2137.6	2253.7	2366.8	2484.4	2614.1	2753.6
32.5°	1530.6	1649.0	1771.1	1906.8	2046.3	2190.4	2341.1	2505.5	2671.4	2832.8	2975.3
35°	1475.6	1603.0	1738.7	1894.0	2058.4	2237.1	2424.1	2632.2	2851.6	3055.9	3242.2
37.5°	1395.6	1535.9	1691.2	1870.7	2065.9	2286.1	2526.6	2783.0	3060.5	3341.7	3586.0
40°	1299.1	1447.7	1617.3	1823.9	2058.4	2336.6	2649.5	2978.3	3334.9	3678.0	3978.1
42.5°	1210.9	1355.7	1536.6	1761.3	2038.8	2381.1	2766.4	3175.8	3598.1	3981.8	4373.9
45°	1133.3	1293.1	1474.8	1717.6	2029.0	2418.8	2853.1	3323.6	3806.9	4263.8	4726.8
47.5°	1062.4	1228.3	1431.8	1693.5	2024.5	2441.4	2913.4	3420.1	3955.4	4480.2	5017.8
50°	989.2	1150.6	1368.5	1667.1	2013.2	2440.7	2945.1	3485.7	4059.5	4648.4	5218.4
52.5°	910.8	1072.9	1291.6	1618.8	1989.0	2427.1	2953.4	3530.2	4141.7	4751.7	5388.8
55°	839.2	990.7	1209.4	1538.1	1938.5	2393.9	2934.5	3549.0	4199.7	4854.2	5508.7
57.5°	757.0	914.6	1122.7	1427.3	1843.5	2335.1	2881.0	3522.7	4216.3	4922.8	5603.7
60°	643.9	798.5	1012.6	1296.1	1695.0	2210.7	2781.5	3442.7	4163.6	4934.9	5671.5
62.5°	514.2	647.7	854.3	1115.2	1486.1	2015.4	2597.5	3263.3	3999.2	4821.8	5636.9
65°	382.3	471.2	649.2	878.4	1244.1	1721.4	2301.2	2962.4	3678.0	4507.4	5419.0
67.5°	266.2	330.2	439.6	610.0	904.8	1329.3	1878.2	2492.7	3181.1	3925.3	4966.6
70°	201.3	230.7	290.3	385.3	585.9	905.5	1365.5	1912.9	2551.5	3268.6	4249.5
72.5°	171.9	187.0	220.2	263.9	358.9	550.4	857.3	1316.5	1882.7	2466.3	3260.3
75°	154.6	167.4	188.5	216.4	254.1	334.0	502.9	833.2	1247.1	1652.0	2274.8
77.5°	140.2	151.6	170.4	184.7	205.1	240.5	320.4	498.4	747.2	1020.9	1411.5
80°	125.2	131.9	149.3	163.6	179.5	199.8	230.0	312.9	429.0	604.7	832.4
82.5°	107.1	112.3	125.2	144.8	156.8	165.1	174.2	207.3	257.1	328.0	462.2
85°	82.9	86.7	98.0	112.3	117.6	118.4	119.9	128.9	159.8	245.8	398.1
87.5°	42.2	46.7	58.8	63.3	53.5	58.1	58.8	62.6	82.9	135.0	137.2
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: P159114
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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	0°
2.5°	1314.2	1316.5	1321.8	1321.0	1324.8	1324.8	1324.8	1328.5	1326.3	1328.5	1332.3	2.5°
5°	1351.9	1355.7	1363.2	1363.2	1364.0	1366.2	1366.2	1369.3	1365.5	1364.0	1364.7	5°
7.5°	1407.0	1413.0	1419.0	1425.0	1429.6	1428.1	1421.3	1419.8	1414.5	1407.7	1407.7	7.5°
10°	1460.5	1477.1	1488.4	1498.9	1499.7	1498.2	1486.9	1484.6	1474.1	1467.3	1467.3	10°
12.5°	1515.5	1536.6	1554.7	1566.0	1572.8	1575.1	1575.1	1564.5	1555.5	1539.7	1539.7	12.5°
15°	1597.0	1633.9	1661.8	1673.9	1683.7	1695.0	1698.0	1689.7	1677.6	1675.4	1675.4	15°
17.5°	1725.9	1760.6	1797.5	1829.9	1851.8	1872.2	1870.7	1888.0	1874.4	1870.7	1870.7	17.5°
20°	1879.0	1954.4	1992.8	2035.8	2060.7	2116.5	2102.9	2115.7	2137.6	2115.7	2115.7	20°
22.5°	2070.5	2166.2	2222.0	2280.8	2321.5	2382.6	2407.5	2442.2	2458.8	2443.7	2443.7	22.5°
25°	2324.6	2433.9	2500.2	2581.7	2646.5	2754.3	2820.7	2819.9	2859.9	2887.8	2887.8	25°
27.5°	2616.4	2755.8	2852.4	2995.6	3051.4	3234.6	3337.2	3355.3	3407.3	3433.7	3433.7	27.5°
30°	2890.8	3063.5	3255.0	3425.4	3618.4	3859.7	3932.1	4041.4	4014.3	3999.2	3999.2	30°
32.5°	3144.2	3374.1	3647.1	3926.8	4232.9	4634.8	4724.5	4792.4	4648.4	4457.6	4457.6	32.5°
35°	3472.9	3748.1	4060.3	4405.6	4794.6	5290.0	5317.9	5279.5	5094.7	4778.8	4778.8	35°
37.5°	3880.1	4168.8	4524.0	4888.9	5302.1	5807.3	5848.0	5746.2	5416.7	5084.9	5084.9	37.5°
40°	4281.9	4620.5	5005.8	5437.8	5866.1	6399.9	6412.0	6246.1	5860.8	5472.5	5472.5	40°
42.5°	4721.5	5091.7	5520.7	5999.5	6442.1	6916.4	6968.4	6733.9	6240.0	5867.6	5867.6	42.5°
45°	5100.8	5543.4	6021.4	6530.3	6993.3	7454.7	7438.1	7154.6	6666.8	6230.2	6230.2	45°
47.5°	5470.2	5957.3	6461.0	7001.6	7461.5	7930.5	7915.4	7555.8	6994.0	6513.7	6513.7	47.5°
50°	5799.0	6327.5	6865.9	7443.4	7901.9	8384.4	8318.1	7863.4	7257.2	6696.2	6696.2	50°
52.5°	6027.4	6617.0	7179.5	7803.8	8275.8	8801.4	8588.0	8045.1	7418.5	6794.2	6794.2	52.5°
55°	6172.2	6816.1	7402.7	8093.4	8557.1	9038.1	8735.0	8115.2	7463.0	6828.2	6828.2	55°
57.5°	6270.2	6925.4	7533.9	8260.8	8810.4	9111.3	8740.3	8070.0	7392.9	6794.2	6794.2	57.5°
60°	6318.5	6957.9	7593.5	8378.4	8988.4	9130.1	9053.2	8618.1	7913.9	7187.1	6575.6	60°
62.5°	6313.2	6917.1	7562.6	8417.6	9023.8	8867.0	8410.0	7626.6	6755.0	6212.2	6212.2	62.5°
65°	6179.0	6768.6	7388.4	8272.1	8858.7	8560.8	8019.5	7067.9	6191.0	5916.6	5916.6	65°
67.5°	5792.2	6357.7	6933.0	7795.5	8393.5	7984.8	7251.9	6418.7	5691.9	5544.1	5544.1	67.5°
70°	5145.3	5624.8	6130.0	6887.7	7515.1	6830.4	6384.8	5775.6	5115.1	5063.8	5063.8	70°
72.5°	4301.5	4665.0	5031.4	5595.4	6027.4	5452.9	5429.5	4937.1	4432.7	4443.3	4443.3	72.5°
75°	3364.3	3637.3	3808.4	4140.2	4427.4	4263.1	4392.8	4230.7	3833.3	3704.4	3704.4	75°
77.5°	2437.7	2699.3	2753.6	2950.4	3152.4	3644.8	3950.2	4001.4	3778.3	3310.8	3310.8	77.5°
80°	1595.5	1883.5	1776.4	1846.5	2130.8	3029.5	3532.5	3705.1	3504.6	2929.3	2929.3	80°
82.5°	941.0	1344.4	1174.0	1293.9	1474.1	2164.7	2544.0	2832.8	2619.4	2446.7	2446.7	82.5°
85°	714.8	1060.1	1122.7	1268.2	1327.0	1403.2	1526.8	1676.1	1731.9	1727.4	1727.4	85°
87.5°	372.5	824.1	925.1	855.8	798.5	692.2	539.9	581.3	531.6	726.8	688.4	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°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
1333.1	1330.8	1332.3	1333.1	1333.1	1333.1	1334.6
1364.0	1357.9	1355.7	1355.7	1354.9	1352.7	1351.9
1397.1	1386.6	1382.8	1378.3	1374.5	1372.3	1368.5
1456.7	1447.7	1428.8	1418.3	1408.5	1401.7	1395.6
1536.6	1523.8	1505.7	1492.2	1477.1	1472.5	1465.0
1660.3	1649.0	1633.1	1618.1	1609.0	1593.2	1581.9
1853.3	1830.7	1814.9	1795.3	1773.4	1741.0	1725.1
2107.4	2062.2	2030.5	2013.2	1969.4	1964.2	1925.7
2399.2	2385.6	2337.4	2316.3	2274.0	2257.5	2197.1
2835.8	2825.2	2726.4	2715.9	2651.0	2602.8	2509.3
3409.6	3322.8	3211.3	3133.6	3022.8	2898.4	2739.3
3911.0	3733.8	3563.4	3382.4	3229.4	3050.7	2870.5
4230.7	3993.1	3773.7	3588.3	3399.0	3186.4	2954.9
4511.1	4271.4	4032.4	3812.9	3583.7	3311.5	3025.8
4846.7	4608.4	4339.2	4030.8	3736.8	3403.5	3054.4
5190.5	4911.5	4575.2	4197.5	3828.0	3448.8	3049.1
5542.6	5186.0	4738.8	4308.3	3886.1	3455.6	3013.7
5828.4	5377.5	4860.2	4364.9	3898.1	3432.2	2969.2
6030.4	5500.4	4914.5	4384.5	3883.1	3395.2	2908.9
6145.8	5567.5	4928.1	4370.1	3852.2	3342.5	2843.3
6188.0	5587.8	4914.5	4340.7	3824.3	3285.9	2797.3
6183.5	5576.5	4864.8	4272.1	3749.6	3210.5	2740.8
6098.3	5471.7	4763.0	4189.9	3686.3	3175.8	2744.5
5953.5	5405.4	4732.8	4206.5	3719.4	3250.5	2863.7
5887.9	5538.1	4902.5	4372.4	3889.9	3463.8	3109.5
5851.0	5753.7	5145.3	4551.1	4091.9	3722.5	3402.8
5700.2	5815.6	5283.2	4652.9	4272.1	3981.8	3696.1
5456.7	5671.5	5178.4	4633.3	4371.7	4180.9	3801.6
4948.5	5175.4	4711.7	4344.5	4247.2	4183.9	3643.3
4009.0	4126.6	3862.7	3779.8	3816.0	3816.7	3055.9
2956.4	2885.5	2766.4	2772.4	3016.0	2978.3	2178.3
2413.5	1975.5	1806.6	1870.7	2171.5	2009.4	1368.5
2246.1	1762.1	1454.5	1469.5	1639.9	1294.6	824.1
1816.4	1606.0	1287.8	1155.9	1121.9	862.6	559.5
760.0	699.0	520.3	469.0	384.5	235.2	107.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)