

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: INVUE

Report Number: P152746

Luminaire Tested: **VXS-F04-LED-E1-SLL-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152746
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F04-LED-E1-SLL-7050
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (28) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9427.8 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 102.2
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: 25 FT

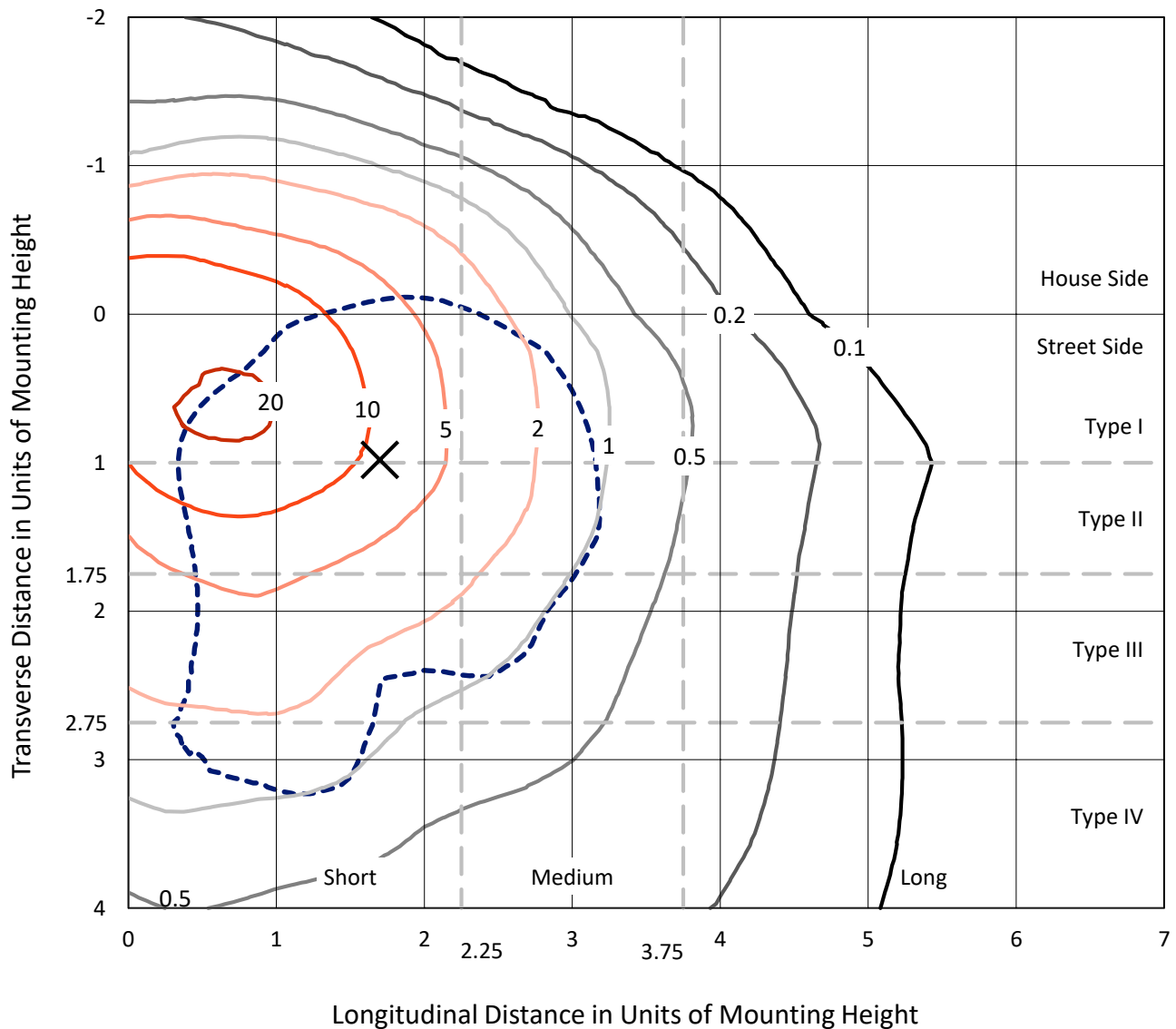


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

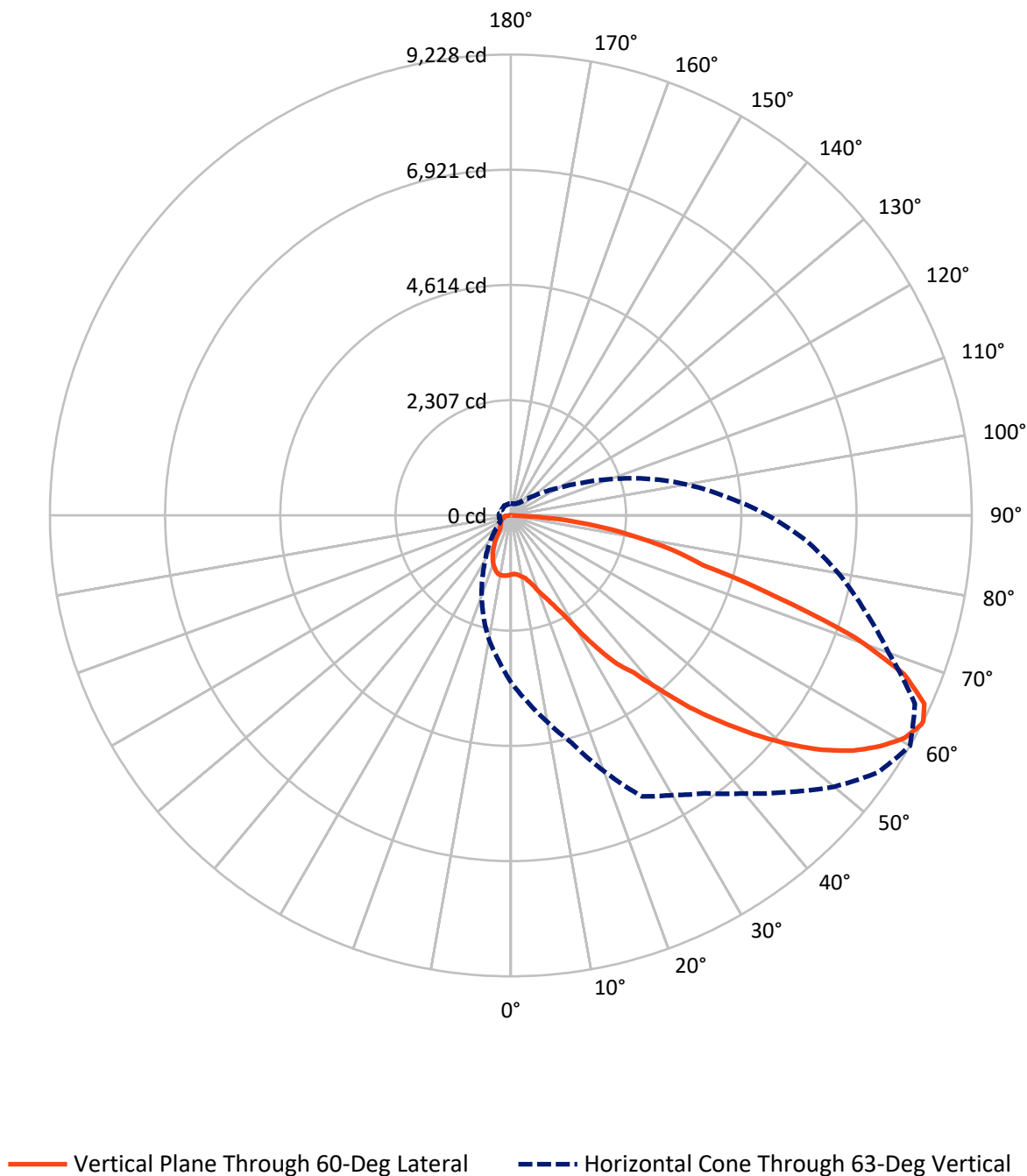


Based on 10 foot mounting height. Maximum calculated value = 23.4 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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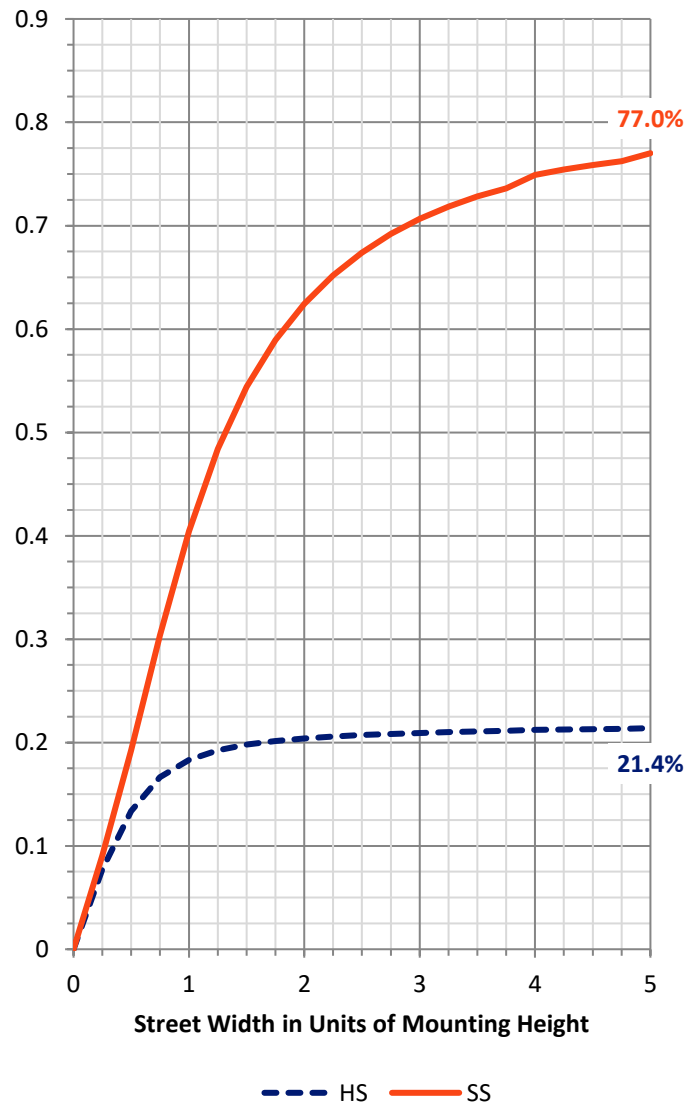
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2044.4	0.0	2044.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	7383.4	0.0	7383.4
	% Fixture	78.3	0.0	78.3
Total	Lumens	9427.8	0.0	9427.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.3	1.2
10°-20°	359.2	3.8
20°-30°	638.1	6.8
30°-40°	1004.9	10.7
40°-50°	1478.9	15.7
50°-60°	1964.4	20.8
60°-70°	2163.8	23.0
70°-80°	1357.5	14.4
80°-90°	345.8	3.7
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°	9427.8	100.0
0°-180°	9427.8	100.0

Coefficient of Utilization



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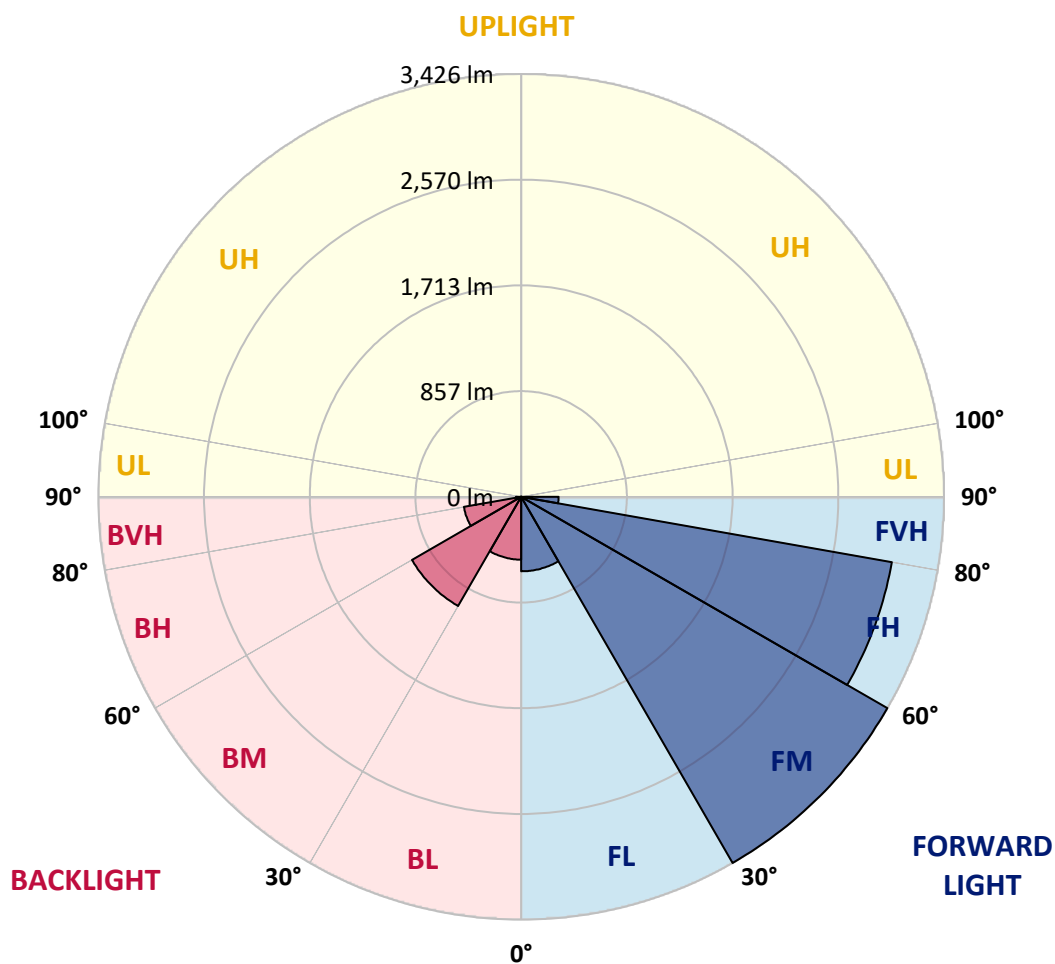
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	603.7	6.4			
FM	(30°-60°)	3426.3	36.3			
FH	(60°-80°)	3050.0	32.4			G2/5000
FVH	(80°-90°)	303.4	3.2			G3/500
BL	(0°-30°)	509.0	5.4	B2/1000		
BM	(30°-60°)	1021.8	10.8	B2/2500		
BH	(60°-80°)	471.2	5.0	B1/500		G1/500
BVH	(80°-90°)	42.3	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°	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8
2.5°	1169.0	1171.2	1171.2	1170.1	1170.1	1172.3	1171.2	1170.1	1166.7	1171.2	1171.2
5°	1159.9	1162.2	1162.2	1164.5	1166.7	1169.0	1169.0	1171.2	1170.1	1174.6	1178.0
7.5°	1171.2	1173.5	1178.0	1183.6	1187.0	1194.9	1194.9	1200.6	1202.8	1206.2	1205.1
10°	1185.9	1191.5	1201.8	1210.8	1217.5	1226.5	1233.4	1241.2	1241.2	1244.7	1246.9
12.5°	1211.9	1217.5	1228.8	1240.1	1250.3	1261.6	1271.7	1279.7	1287.6	1289.8	1294.3
15°	1254.8	1261.6	1278.5	1294.3	1306.7	1321.5	1335.0	1350.8	1365.5	1368.9	1371.1
17.5°	1319.2	1332.7	1345.2	1373.4	1391.5	1410.7	1432.1	1454.7	1459.3	1482.9	1488.6
20°	1410.7	1427.6	1438.9	1473.9	1504.5	1529.2	1560.8	1586.8	1597.0	1619.6	1642.2
22.5°	1568.8	1565.4	1582.4	1617.3	1639.9	1689.6	1716.8	1743.8	1757.4	1791.3	1809.3
25°	1781.1	1799.2	1836.5	1839.9	1861.3	1918.9	1953.9	1981.0	1982.2	1992.3	2011.5
27.5°	1990.1	2064.6	2123.3	2154.9	2212.5	2265.6	2263.4	2301.8	2242.0	2254.3	2272.4
30°	2243.0	2367.3	2477.9	2552.5	2611.3	2673.4	2703.8	2725.3	2699.4	2688.1	2666.6
32.5°	2480.2	2654.2	2824.7	2956.9	3066.4	3169.2	3237.0	3267.5	3303.6	3395.1	3427.9
35°	2642.9	2889.1	3101.5	3292.3	3475.2	3639.1	3757.6	3825.4	3799.4	3786.9	3780.2
37.5°	2740.0	3040.4	3305.8	3575.8	3785.9	4031.0	4215.0	4393.5	4434.2	4363.0	4328.0
40°	2801.0	3156.8	3497.8	3816.4	4088.6	4404.8	4633.0	4900.6	5103.9	5131.0	5047.5
42.5°	2830.4	3234.7	3632.2	3992.5	4360.7	4748.2	5037.3	5361.5	5665.3	5874.2	5822.3
45°	2834.9	3285.5	3730.6	4151.8	4590.1	5049.7	5422.4	5781.6	6188.2	6546.2	6556.4
47.5°	2834.9	3323.9	3798.2	4267.0	4795.5	5311.7	5718.3	6143.0	6641.0	7064.6	7194.5
50°	2837.1	3349.9	3861.6	4357.3	4952.5	5533.1	5992.7	6494.2	7018.3	7479.1	7729.8
52.5°	2847.3	3369.1	3911.2	4421.8	5054.2	5688.9	6206.2	6784.6	7306.3	7779.6	8103.7
55°	2869.8	3396.2	3947.4	4461.2	5122.0	5790.6	6360.9	6983.3	7492.6	7972.6	8425.6
57.5°	2933.2	3443.6	3991.4	4496.3	5159.3	5857.2	6469.4	7069.1	7563.8	8064.1	8596.2
60°	3059.6	3544.1	4067.0	4566.3	5221.3	5980.3	6521.3	7011.5	7511.9	8037.1	8634.5
62.5°	3261.8	3701.1	4172.1	4684.9	5398.7	6171.2	6481.9	6839.9	7307.5	7880.1	8497.8
63°	3331.8	3735.0	4195.9	4710.9	5447.3	6206.2	6464.9	6789.0	7265.7	7830.4	8449.3
65°	3527.3	3885.3	4308.8	4841.9	5647.2	6241.2	6332.7	6524.8	6976.5	7546.8	8162.4
67.5°	3892.0	4250.1	4551.6	5063.2	5815.4	6103.4	5922.8	5946.4	6418.5	7009.2	7562.7
70°	4122.4	4549.3	4706.3	5091.5	5785.0	5899.1	5391.9	5077.9	5456.3	6129.4	6614.0
72.5°	4062.6	4552.7	4535.9	4715.3	5175.0	5281.2	4756.1	4261.3	4486.1	4988.7	5302.7
75°	3479.8	4066.0	3941.8	3905.6	4067.0	4137.1	3742.9	3667.3	3950.8	4229.7	4234.2
77.5°	2505.1	3149.9	3004.2	2795.3	2784.0	2945.6	2998.7	3494.5	3913.5	4133.7	4036.6
80°	1595.9	2295.0	2143.6	1778.9	1773.2	1983.3	2449.7	3124.0	3567.9	3691.0	3438.0
82.5°	833.5	1502.2	1559.8	1335.0	1528.1	1876.0	2331.2	2517.5	2685.8	2702.7	2404.6
85°	519.6	923.8	1086.5	1121.6	1380.2	1663.6	1660.3	1594.7	1520.2	1301.1	1176.9
87.5°	58.8	116.4	176.2	167.2	224.8	315.1	393.1	230.4	161.6	58.8	81.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8
2.5°	1173.5	1174.6	1175.8	1175.8	1181.3	1180.2	1181.3	1183.6	1187.0	1189.3	1191.5
5°	1182.5	1182.5	1187.0	1190.5	1197.2	1201.8	1203.9	1210.8	1218.7	1216.4	1223.2
7.5°	1211.9	1210.8	1215.2	1217.5	1223.2	1231.1	1229.9	1235.6	1242.4	1244.7	1250.3
10°	1251.4	1248.0	1248.0	1245.8	1246.9	1244.7	1244.7	1244.7	1249.1	1248.0	1252.5
12.5°	1292.1	1291.0	1288.7	1281.9	1281.9	1272.8	1268.4	1262.7	1261.6	1253.7	1254.8
15°	1375.6	1375.6	1371.1	1357.6	1346.3	1338.3	1327.0	1319.2	1307.9	1293.2	1285.3
17.5°	1497.6	1481.9	1476.2	1473.9	1455.9	1449.0	1424.2	1398.2	1385.8	1365.5	1354.2
20°	1646.7	1643.3	1620.7	1609.4	1586.8	1555.2	1523.6	1489.7	1469.4	1444.6	1431.0
22.5°	1815.0	1790.2	1778.9	1762.0	1726.9	1690.8	1643.3	1598.1	1566.5	1549.5	1539.4
25°	2011.5	1986.6	1975.3	1952.7	1909.8	1871.5	1812.7	1759.7	1731.4	1703.2	1687.4
27.5°	2272.4	2248.7	2235.1	2176.4	2161.8	2098.4	2026.2	1953.9	1916.7	1874.8	1847.8
30°	2662.1	2663.2	2593.2	2522.1	2448.6	2339.1	2263.4	2182.1	2121.0	2061.2	2001.3
32.5°	3320.5	3152.2	3022.4	2869.8	2710.7	2594.3	2500.5	2403.4	2318.8	2231.8	2132.3
35°	3722.6	3641.3	3473.1	3194.0	3033.7	2892.4	2788.6	2671.1	2567.3	2413.6	2262.3
37.5°	4176.7	3988.1	3783.6	3628.9	3447.0	3283.3	3109.3	2976.1	2796.5	2589.7	2375.2
40°	4839.6	4569.7	4323.5	4115.6	3880.7	3709.0	3514.8	3321.7	3083.3	2784.0	2489.2
42.5°	5531.9	5253.0	4927.8	4657.8	4381.0	4180.0	3939.5	3668.4	3318.2	2947.8	2587.6
45°	6258.2	5885.5	5495.9	5166.0	4878.0	4628.4	4330.3	3971.1	3544.1	3094.6	2679.1
47.5°	6974.3	6546.2	6082.0	5727.4	5352.4	5047.5	4681.6	4227.5	3720.3	3233.6	2770.5
50°	7605.6	7193.4	6634.3	6183.6	5804.1	5428.1	4971.8	4425.1	3859.3	3353.3	2853.0
52.5°	8149.9	7795.3	7206.9	6637.7	6200.6	5778.1	5205.6	4584.4	3999.3	3463.9	2920.7
55°	8549.8	8313.8	7771.6	7065.7	6549.6	6045.9	5403.2	4737.9	4131.5	3552.0	2964.8
57.5°	8851.4	8720.3	8255.0	7468.9	6870.4	6305.6	5607.7	4922.1	4262.5	3627.8	2985.1
60°	9016.3	9052.4	8620.9	7821.3	7153.9	6522.5	5812.0	5079.1	4359.6	3671.8	2973.8
62.5°	9000.4	9221.9	8895.4	8038.1	7318.8	6651.2	5949.8	5152.4	4346.1	3601.8	2871.0
63°	8969.9	9227.5	8925.9	8052.8	7328.9	6655.8	5953.3	5142.3	4317.8	3567.9	2830.4
65°	8706.8	9097.6	8899.9	7986.2	7238.5	6571.1	5882.1	4995.4	4119.1	3386.0	2621.5
67.5°	8002.1	8491.1	8434.6	7515.2	6810.5	6220.9	5518.4	4522.3	3627.8	2938.8	2221.6
70°	6837.6	7297.3	7307.5	6536.1	5947.6	5369.3	4785.4	3679.7	2875.5	2278.0	1656.9
72.5°	5240.6	5536.5	5639.3	5131.0	4736.9	4330.3	3806.2	2671.1	2049.9	1549.5	1078.7
75°	4058.0	3976.8	3975.6	3761.0	3600.6	3401.9	2825.8	1802.6	1346.3	1007.5	659.6
77.5°	3648.1	3286.6	2936.6	2679.1	2550.3	2483.6	1853.4	1086.5	794.0	579.4	379.5
80°	3008.8	2475.8	2000.2	1722.4	1611.7	1688.5	1033.5	587.4	434.8	329.8	246.2
82.5°	2074.8	1722.4	1309.0	1084.2	930.7	973.6	528.6	300.4	201.0	184.1	152.4
85°	1080.8	947.6	799.7	686.7	606.5	533.1	274.4	143.4	83.6	73.4	66.6
87.5°	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8
2.5°	1194.9	1193.8	1196.1	1197.2	1200.6	1202.8	1203.9	1201.8	1205.1	1208.5	1206.2
5°	1226.5	1234.5	1235.6	1239.0	1239.0	1245.8	1245.8	1245.8	1244.7	1245.8	1243.5
7.5°	1253.7	1263.8	1265.0	1269.5	1270.6	1278.5	1275.1	1277.4	1277.4	1271.7	1269.5
10°	1257.1	1267.3	1272.8	1278.5	1286.4	1296.6	1296.6	1302.3	1302.3	1297.7	1296.6
12.5°	1258.2	1266.1	1271.7	1279.7	1291.0	1305.6	1313.6	1321.5	1324.9	1323.7	1320.3
15°	1281.9	1281.9	1283.0	1289.8	1297.7	1315.8	1327.0	1336.2	1341.8	1339.5	1333.9
17.5°	1344.0	1335.0	1328.2	1316.9	1319.2	1328.2	1335.0	1342.9	1344.0	1341.8	1332.7
20°	1416.3	1405.0	1388.1	1370.1	1360.9	1354.2	1349.6	1349.6	1346.3	1335.0	1320.3
22.5°	1519.1	1504.5	1480.7	1453.6	1435.5	1414.1	1388.1	1363.2	1336.2	1309.0	1277.4
25°	1661.3	1641.0	1616.3	1574.4	1536.1	1490.9	1437.7	1382.4	1318.0	1261.6	1215.2
27.5°	1804.9	1759.7	1695.2	1637.7	1566.5	1498.8	1423.1	1355.3	1272.8	1205.1	1154.3
30°	1923.4	1837.6	1745.0	1653.5	1559.8	1468.3	1377.9	1296.6	1206.2	1137.3	1087.7
32.5°	2014.9	1896.3	1767.6	1647.9	1532.6	1420.8	1316.9	1226.5	1135.1	1063.9	1010.9
35°	2099.6	1934.7	1771.0	1623.0	1480.7	1364.4	1246.9	1148.6	1051.5	977.0	919.4
37.5°	2162.9	1952.7	1750.7	1576.7	1413.0	1283.0	1163.3	1062.8	963.4	882.1	816.6
40°	2203.5	1941.5	1706.5	1510.1	1332.7	1196.1	1074.1	970.2	874.2	785.0	705.9
42.5°	2236.3	1926.8	1662.5	1449.0	1269.5	1120.4	995.0	883.2	786.1	688.9	602.0
45°	2284.9	1938.1	1643.3	1406.1	1213.1	1056.1	918.2	801.9	700.2	605.4	521.8
47.5°	2332.3	1943.7	1615.1	1353.1	1141.9	989.4	849.3	736.4	632.4	545.5	468.7
50°	2375.2	1940.4	1571.1	1285.3	1073.0	922.8	787.3	674.3	571.5	491.3	419.1
52.5°	2395.5	1921.1	1516.8	1219.8	1017.6	864.0	726.2	616.7	515.0	439.4	372.7
55°	2393.3	1871.5	1445.7	1157.7	956.6	801.9	666.3	557.9	466.4	396.5	338.9
57.5°	2359.4	1794.7	1370.1	1088.8	876.5	725.1	596.4	491.3	414.5	355.8	307.3
60°	2288.2	1696.4	1270.6	988.3	776.0	630.3	509.3	419.1	356.9	311.7	280.1
62.5°	2154.9	1555.2	1146.4	848.2	640.4	507.2	402.1	343.3	297.0	269.9	255.2
63°	2115.4	1516.8	1093.3	814.3	608.8	478.9	379.5	318.5	284.7	260.9	247.4
65°	1918.9	1328.2	914.8	657.3	473.3	369.3	305.0	258.7	238.3	228.2	227.0
67.5°	1554.1	1044.8	647.2	450.7	321.9	266.5	233.8	214.6	205.6	203.3	205.6
70°	1091.0	659.6	411.1	299.3	238.3	214.6	199.9	192.0	186.3	187.5	189.7
72.5°	695.8	395.3	282.4	227.0	201.0	188.6	181.9	179.6	178.4	177.3	177.3
75°	396.5	263.1	216.9	196.5	183.0	172.8	167.2	164.9	166.0	167.2	164.9
77.5°	262.1	216.9	193.2	179.6	167.2	155.9	152.4	151.3	153.6	155.9	155.9
80°	206.7	193.2	179.6	166.0	145.7	137.8	140.0	141.1	140.0	141.1	137.8
82.5°	145.7	143.4	146.8	141.1	120.8	114.1	111.8	113.0	110.7	110.7	108.4
85°	67.8	67.8	71.2	71.2	68.9	70.1	75.6	82.5	85.8	82.5	77.9
87.5°	0.0	0.0	0.0	0.0	0.0	10.2	20.3	29.3	31.6	39.5	38.4
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: P152746

CATALOG NUMBER: VXS-F04-LED-E1-SLL-7050

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8
2.5°	1202.8	1205.1	1203.9	1202.8	1205.1	1202.8	1203.9	1202.8	1202.8	1201.8	1201.8
5°	1241.2	1244.7	1237.8	1236.7	1234.5	1228.8	1228.8	1226.5	1226.5	1222.1	1218.7
7.5°	1266.1	1267.3	1261.6	1260.4	1254.8	1249.1	1244.7	1240.1	1239.0	1235.6	1228.8
10°	1289.8	1287.6	1283.0	1277.4	1271.7	1263.8	1258.2	1252.5	1251.4	1245.8	1237.8
12.5°	1310.2	1309.0	1300.0	1294.3	1285.3	1277.4	1270.6	1263.8	1260.4	1253.7	1242.4
15°	1323.7	1316.9	1305.6	1295.4	1285.3	1276.3	1268.4	1260.4	1257.1	1249.1	1237.8
17.5°	1318.0	1305.6	1291.0	1278.5	1265.0	1253.7	1246.9	1239.0	1233.4	1228.8	1213.1
20°	1297.7	1279.7	1257.1	1242.4	1224.4	1209.6	1205.1	1197.2	1192.6	1175.8	1155.4
22.5°	1244.7	1218.7	1190.5	1169.0	1148.6	1134.0	1122.7	1114.7	1103.4	1093.3	1061.7
25°	1178.0	1148.6	1119.3	1093.3	1066.2	1043.6	1023.3	1004.0	998.4	977.0	946.4
27.5°	1113.6	1080.8	1051.5	1021.0	986.0	957.7	922.8	895.6	877.6	855.0	826.7
30°	1044.8	1012.0	972.4	931.8	891.1	860.6	821.1	788.4	765.8	742.1	716.1
32.5°	957.7	918.2	870.8	825.6	788.4	752.2	712.6	681.0	658.4	637.0	612.1
35°	858.3	806.4	755.5	705.9	666.3	635.9	600.8	577.1	561.3	542.2	516.2
37.5°	744.2	685.6	631.4	593.0	557.9	528.6	503.7	489.0	472.1	462.0	446.1
40°	629.1	571.5	518.4	483.4	454.0	437.1	423.5	420.1	408.8	395.3	385.2
42.5°	527.5	472.1	420.1	391.9	372.7	368.2	361.5	361.5	355.8	345.6	338.9
45°	458.5	400.9	355.8	335.4	325.3	324.1	320.7	320.7	319.6	315.1	307.3
47.5°	408.8	356.9	321.9	309.4	307.3	305.0	301.6	300.4	299.3	296.0	291.4
50°	363.6	319.6	297.0	291.4	292.5	289.1	285.7	282.4	281.2	277.8	273.4
52.5°	321.9	290.3	275.5	272.2	272.2	272.2	269.9	269.9	267.7	266.5	262.1
55°	298.1	274.4	266.5	265.4	264.2	263.1	260.9	260.9	258.7	257.5	251.8
57.5°	277.8	263.1	258.7	256.4	255.2	253.0	251.8	251.8	251.8	251.8	245.1
60°	262.1	255.2	254.1	251.8	250.8	246.2	243.9	242.8	243.9	245.1	238.3
62.5°	245.1	243.9	242.8	240.5	239.5	234.9	231.5	229.3	231.5	233.8	232.6
63°	240.5	239.5	239.5	238.3	237.2	231.5	228.2	225.9	228.2	230.4	230.4
65°	224.8	225.9	225.9	224.8	223.6	220.2	215.8	213.5	214.6	218.0	219.1
67.5°	207.8	208.9	207.8	208.9	207.8	205.6	202.2	199.9	198.8	199.9	201.0
70°	192.0	194.3	193.2	192.0	190.9	190.9	188.6	185.2	184.1	183.0	183.0
72.5°	178.4	178.4	176.2	176.2	175.0	175.0	172.8	169.4	168.3	168.3	166.0
75°	163.7	163.7	160.4	160.4	158.1	159.3	157.0	153.6	152.4	152.4	151.3
77.5°	154.7	151.3	145.7	144.6	143.4	143.4	142.3	139.0	137.8	137.8	136.7
80°	136.7	129.8	124.2	123.1	124.2	126.5	126.5	124.2	124.2	124.2	124.2
82.5°	106.2	103.9	100.5	98.2	98.2	101.7	106.2	108.4	110.7	113.0	113.0
85°	77.9	79.1	77.9	74.5	73.4	76.8	81.3	85.8	86.9	91.5	90.4
87.5°	41.8	42.9	39.5	38.4	41.8	44.0	48.6	49.7	51.9	53.1	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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CATALOG NUMBER: VXS-F04-LED-E1-SLL-7050

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8
2.5°	1200.6	1199.5	1200.6	1198.3	1198.3	1196.1	1193.8	1192.6	1190.5	1189.3	1187.0
5°	1220.9	1217.5	1214.1	1213.1	1208.5	1203.9	1200.6	1194.9	1190.5	1182.5	1180.2
7.5°	1234.5	1226.5	1222.1	1220.9	1214.1	1210.8	1202.8	1196.1	1189.3	1179.2	1175.8
10°	1240.1	1232.2	1224.4	1220.9	1213.1	1207.4	1199.5	1189.3	1183.6	1173.5	1171.2
12.5°	1246.9	1232.2	1219.8	1210.8	1199.5	1187.0	1179.2	1173.5	1165.6	1159.9	1157.7
15°	1234.5	1215.2	1196.1	1179.2	1161.0	1147.5	1139.6	1130.6	1121.6	1118.1	1118.1
17.5°	1200.6	1175.8	1143.0	1121.6	1102.3	1087.7	1077.5	1068.4	1067.4	1062.8	1065.1
20°	1130.6	1097.8	1066.2	1050.4	1039.1	1030.1	1019.9	1015.3	1012.0	1005.2	1002.9
22.5°	1033.5	1006.3	983.7	972.4	963.4	952.1	943.1	929.5	926.1	919.4	916.0
25°	926.1	904.7	885.5	877.6	871.9	856.1	850.5	832.4	820.0	812.0	816.6
27.5°	818.9	803.0	785.0	774.8	771.4	756.7	751.1	730.8	720.6	720.6	709.3
30°	708.2	693.5	682.2	670.9	668.6	650.6	635.9	628.0	616.7	612.1	604.2
32.5°	604.2	589.5	580.5	574.9	565.8	551.2	536.5	522.9	504.9	498.0	494.7
35°	508.3	497.0	485.7	481.1	468.7	453.0	434.8	423.5	402.1	394.2	390.8
37.5°	434.8	421.2	413.4	400.9	388.5	371.6	358.0	347.9	340.0	336.6	336.6
40°	376.1	365.9	356.9	346.7	336.6	327.6	320.7	318.5	317.4	317.4	319.6
42.5°	332.0	323.0	318.5	312.8	309.4	309.4	308.3	309.4	310.6	311.7	315.1
45°	302.7	297.0	294.8	293.7	296.0	298.1	299.3	301.6	306.1	308.3	309.4
47.5°	286.8	282.4	281.2	282.4	285.7	290.3	294.8	298.1	301.6	302.7	303.8
50°	271.1	265.4	263.1	265.4	269.9	276.7	280.1	285.7	288.0	290.3	288.0
52.5°	257.5	253.0	251.8	251.8	256.4	260.9	265.4	269.9	271.1	271.1	269.9
55°	246.2	242.8	239.5	241.7	245.1	249.6	256.4	259.8	262.1	263.1	263.1
57.5°	237.2	233.8	230.4	232.6	236.1	240.5	247.4	250.8	253.0	256.4	257.5
60°	230.4	225.9	222.5	225.9	229.3	236.1	241.7	245.1	250.8	251.8	251.8
62.5°	223.6	219.1	213.5	216.9	216.9	220.2	225.9	230.4	236.1	238.3	238.3
63°	222.5	218.0	212.3	214.6	214.6	216.9	221.3	225.9	232.6	234.9	233.8
65°	213.5	212.3	206.7	206.7	204.5	206.7	210.1	214.6	218.0	221.3	221.3
67.5°	198.8	197.6	196.5	196.5	196.5	198.8	201.0	204.5	207.8	210.1	208.9
70°	181.9	181.9	181.9	183.0	183.0	185.2	186.3	185.2	188.6	190.9	189.7
72.5°	167.2	166.0	164.9	167.2	166.0	166.0	168.3	167.2	170.6	170.6	171.7
75°	151.3	150.3	150.3	151.3	149.1	146.8	148.0	148.0	149.1	149.1	151.3
77.5°	137.8	137.8	137.8	136.7	134.4	133.3	132.1	132.1	132.1	132.1	133.3
80°	125.4	125.4	125.4	124.2	122.0	119.7	117.5	116.4	115.2	109.5	109.5
82.5°	113.0	113.0	113.0	113.0	111.8	109.5	106.2	97.1	92.6	88.1	89.2
85°	89.2	91.5	93.8	97.1	96.0	96.0	89.2	77.9	71.2	66.6	67.8
87.5°	57.6	50.8	50.8	49.7	47.5	45.2	45.2	38.4	31.6	28.2	29.3
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: VXS-F04-LED-E1-SLL-7050

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	0°
2.5°	1187.0	1184.8	1182.5	1182.5	1179.2	1179.2	1176.9	1181.3	1176.9	1173.5	1173.5	2.5°
5°	1178.0	1175.8	1169.0	1167.9	1163.3	1163.3	1163.3	1161.0	1161.0	1158.8	1157.7	5°
7.5°	1172.3	1166.7	1161.0	1157.7	1157.7	1155.4	1159.9	1157.7	1158.8	1158.8	1159.9	7.5°
10°	1167.9	1163.3	1161.0	1159.9	1159.9	1163.3	1166.7	1167.9	1166.7	1167.9	1167.9	10°
12.5°	1156.6	1158.8	1159.9	1164.5	1170.1	1176.9	1184.8	1185.9	1188.2	1188.2	1190.5	12.5°
15°	1120.4	1126.0	1132.8	1144.1	1158.8	1173.5	1188.2	1200.6	1211.9	1217.5	1222.1	15°
17.5°	1069.5	1075.2	1087.7	1100.1	1119.3	1140.7	1165.6	1187.0	1210.8	1232.2	1253.7	17.5°
20°	1000.7	1009.7	1013.1	1035.6	1058.2	1087.7	1117.0	1150.9	1191.5	1232.2	1274.0	20°
22.5°	911.5	921.7	937.4	955.5	979.2	1015.3	1050.4	1103.4	1157.7	1215.2	1280.8	22.5°
25°	812.0	823.3	836.9	856.1	879.8	918.2	969.0	1025.5	1092.1	1167.9	1249.1	25°
27.5°	709.3	720.6	731.9	745.4	772.5	813.2	873.1	931.8	1005.2	1087.7	1182.5	27.5°
30°	606.5	607.7	614.4	631.4	659.6	712.6	756.7	830.2	906.9	993.9	1103.4	30°
32.5°	493.6	492.4	500.3	515.0	542.2	593.0	647.2	718.3	794.0	903.5	1016.5	32.5°
35°	393.1	393.1	407.8	422.4	453.0	489.0	536.5	599.7	688.9	790.6	903.5	35°
37.5°	340.0	347.9	356.9	371.6	395.3	423.5	465.3	520.6	590.7	687.9	791.7	37.5°
40°	323.0	327.6	335.4	349.0	369.3	395.3	425.8	467.6	521.8	599.7	694.6	40°
42.5°	316.3	317.4	321.9	332.0	350.2	376.1	407.8	445.0	485.7	541.0	623.4	42.5°
45°	309.4	308.3	310.6	318.5	333.2	362.6	398.7	439.4	480.0	526.3	594.1	45°
47.5°	303.8	303.8	303.8	307.3	320.7	350.2	391.9	439.4	487.9	539.9	606.5	47.5°
50°	288.0	286.8	286.8	289.1	299.3	330.9	380.6	438.2	501.5	569.2	644.9	50°
52.5°	269.9	269.9	271.1	272.2	281.2	312.8	368.2	438.2	517.3	607.7	702.5	52.5°
55°	264.2	265.4	266.5	265.4	272.2	299.3	354.6	431.4	524.0	638.1	764.7	55°
57.5°	259.8	262.1	262.1	260.9	265.4	288.0	341.1	417.9	518.4	649.4	808.7	57.5°
60°	253.0	253.0	253.0	249.6	251.8	272.2	320.7	396.5	500.3	639.3	815.4	60°
62.5°	238.3	238.3	236.1	234.9	233.8	249.6	293.7	364.8	467.6	612.1	798.5	62.5°
63°	234.9	233.8	233.8	230.4	230.4	245.1	288.0	360.3	458.5	605.4	791.7	63°
65°	222.5	222.5	222.5	220.2	219.1	230.4	265.4	328.7	423.5	573.8	757.8	65°
67.5°	208.9	210.1	207.8	206.7	205.6	212.3	239.5	289.1	369.3	507.2	694.6	67.5°
70°	189.7	190.9	190.9	189.7	188.6	193.2	210.1	248.5	306.1	422.4	591.8	70°
72.5°	172.8	175.0	175.0	177.3	177.3	180.7	187.5	206.7	245.1	329.8	465.3	72.5°
75°	154.7	155.9	158.1	160.4	158.1	157.0	158.1	172.8	192.0	243.9	332.0	75°
77.5°	139.0	142.3	142.3	141.1	137.8	135.5	135.5	142.3	158.1	185.2	237.2	77.5°
80°	115.2	120.8	122.0	118.5	115.2	115.2	117.5	122.0	132.1	152.4	179.6	80°
82.5°	92.6	98.2	99.4	100.5	99.4	102.8	102.8	103.9	109.5	125.4	146.8	82.5°
85°	71.2	75.6	79.1	80.2	81.3	82.5	81.3	75.6	79.1	89.2	99.4	85°
87.5°	31.6	32.7	30.5	31.6	30.5	31.6	32.7	27.2	26.0	35.0	36.2	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°
1184.8	1184.8	1184.8	1184.8	1184.8	1184.8	1184.8
1172.3	1172.3	1173.5	1171.2	1171.2	1172.3	1169.0
1154.3	1158.8	1158.8	1158.8	1156.6	1158.8	1159.9
1158.8	1162.2	1164.5	1164.5	1163.3	1167.9	1171.2
1164.5	1170.1	1172.3	1172.3	1172.3	1178.0	1185.9
1185.9	1190.5	1193.8	1193.8	1196.1	1202.8	1211.9
1225.4	1231.1	1231.1	1229.9	1236.7	1244.7	1254.8
1269.5	1285.3	1293.2	1292.1	1297.7	1307.9	1319.2
1311.3	1355.3	1374.5	1388.1	1393.7	1407.3	1410.7
1346.3	1419.7	1472.7	1517.9	1539.4	1553.0	1568.8
1333.9	1433.3	1528.1	1620.7	1686.2	1752.8	1781.1
1283.0	1407.3	1531.5	1667.0	1785.6	1904.2	1990.1
1220.9	1370.1	1537.2	1729.1	1916.7	2098.4	2243.0
1149.7	1335.0	1549.5	1786.7	2033.0	2271.3	2480.2
1060.5	1268.4	1519.1	1792.4	2082.7	2371.8	2642.9
947.6	1178.0	1448.0	1751.7	2085.0	2415.9	2740.0
834.6	1063.9	1357.6	1693.1	2055.5	2426.0	2801.0
755.5	962.3	1266.1	1618.4	2008.1	2410.3	2830.4
701.3	888.9	1184.8	1550.7	1957.3	2382.0	2834.9
696.9	857.2	1131.7	1501.0	1916.7	2357.1	2834.9
735.2	874.2	1113.6	1476.2	1899.7	2349.2	2837.1
807.6	942.0	1146.4	1495.3	1913.3	2359.4	2847.3
894.5	1044.8	1234.5	1562.0	1970.9	2393.3	2869.8
973.6	1163.3	1384.7	1690.8	2075.9	2479.1	2933.2
1019.9	1265.0	1543.9	1871.5	2255.4	2649.6	3059.6
1025.5	1321.5	1685.1	2068.0	2473.5	2845.1	3261.8
1021.0	1325.9	1703.2	2105.3	2519.8	2893.6	3331.8
996.2	1327.0	1754.0	2236.3	2680.1	3098.0	3527.3
933.0	1291.0	1772.1	2339.1	2882.3	3366.8	3892.0
823.3	1188.2	1719.0	2341.3	2960.2	3517.1	4122.4
661.9	992.7	1489.7	2130.2	2754.7	3369.1	4062.6
484.6	729.6	1126.0	1650.1	2247.6	2804.4	3479.8
321.9	472.1	759.0	1175.8	1611.7	2018.3	2505.1
221.3	292.5	443.8	707.0	986.0	1183.6	1595.9
162.6	193.2	246.2	361.5	474.4	583.9	833.5
101.7	110.7	123.1	178.4	255.2	344.5	519.6
27.2	28.2	26.0	35.0	55.3	53.1	58.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)