

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: P152743

Luminaire Tested: **VXS-F04-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152743
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-8030
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (28) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7754.5 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - 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



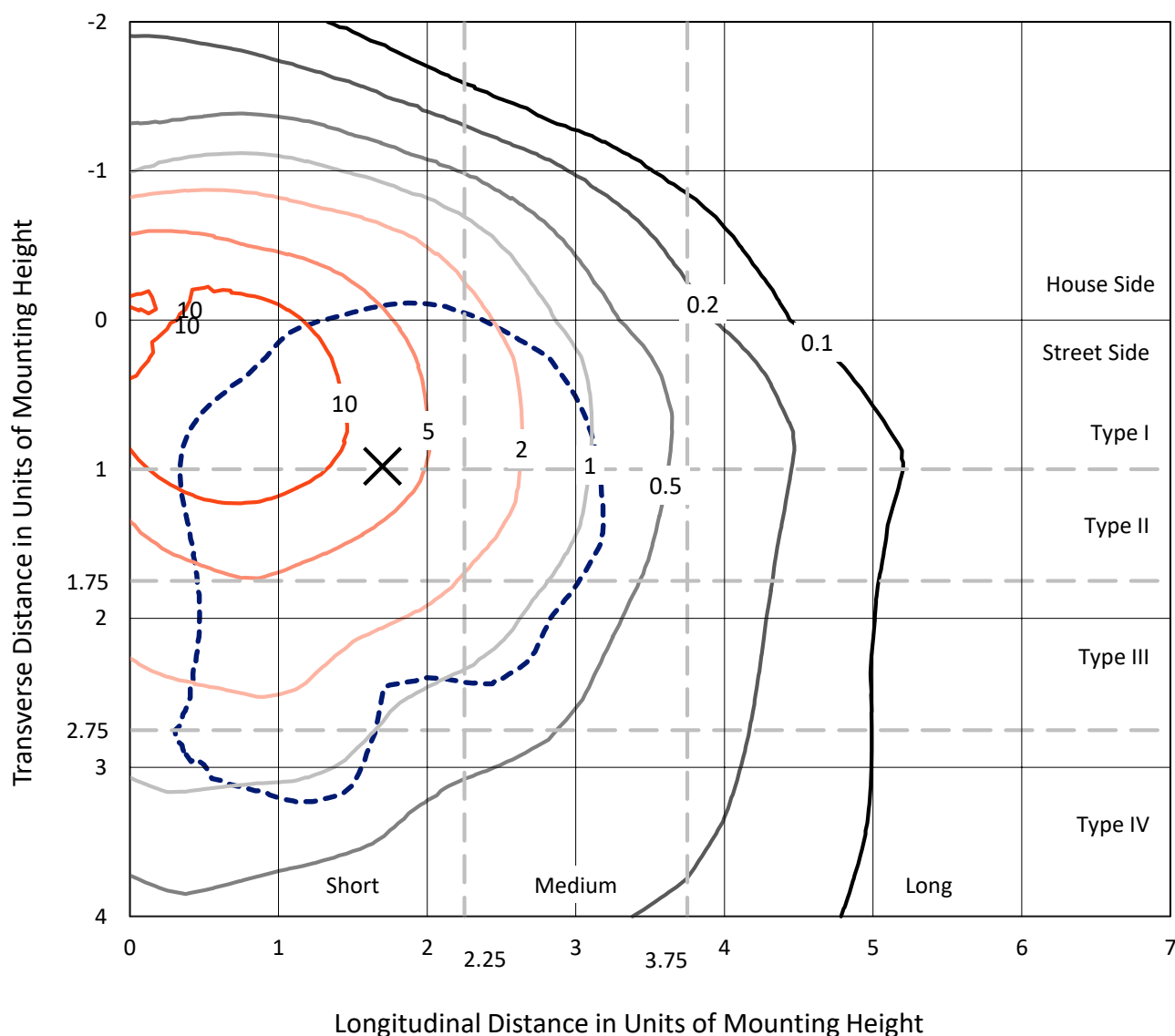
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

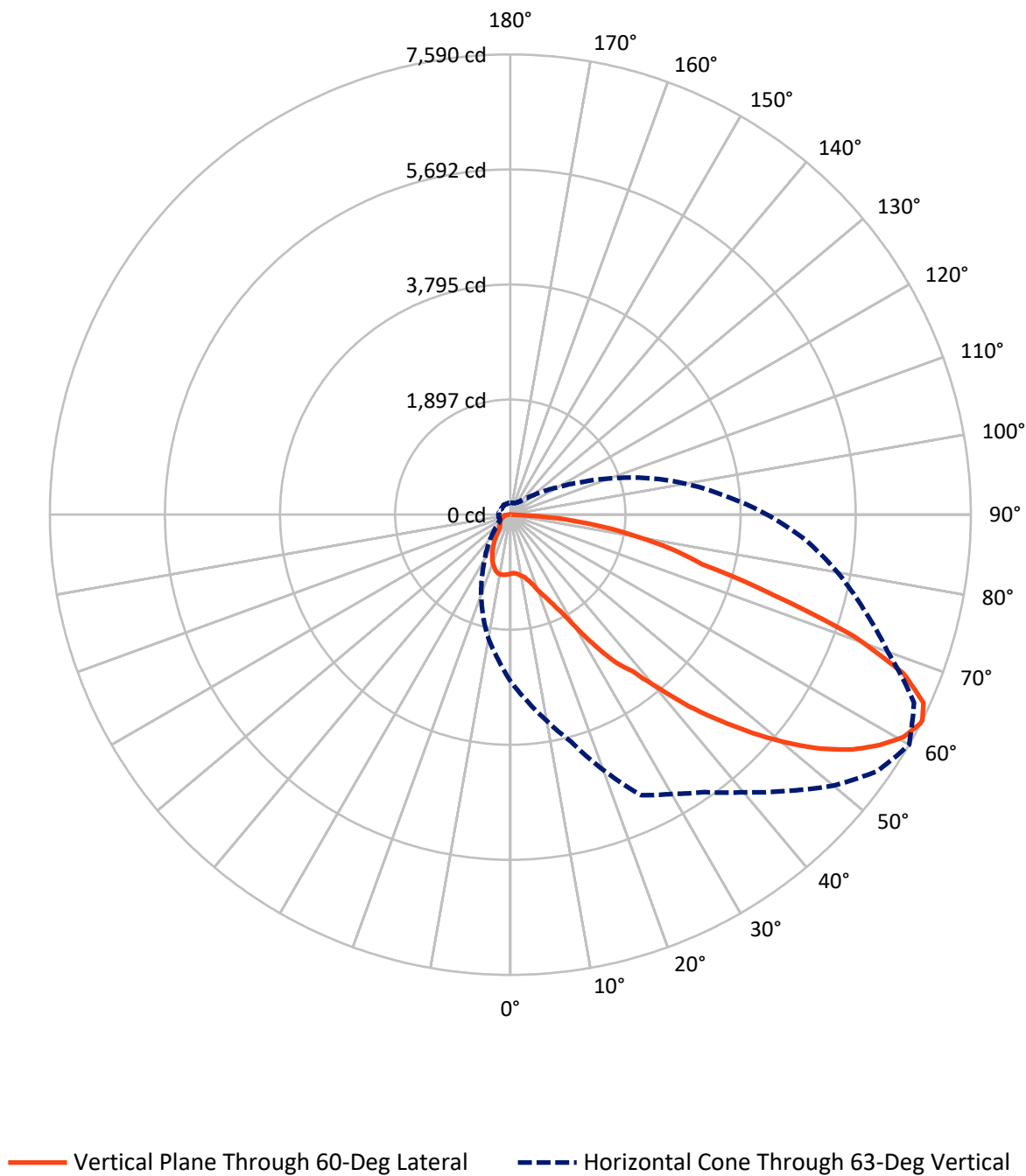


Based on 10 foot mounting height. Maximum calculated value = 19.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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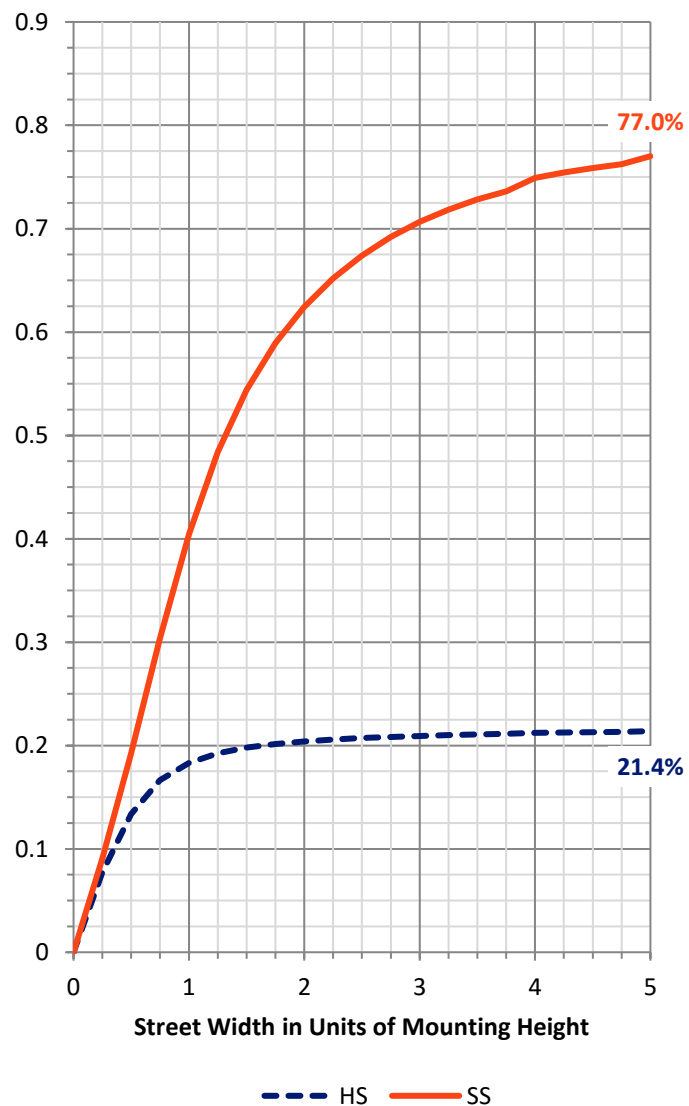
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1681.5	0.0	1681.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6073.0	0.0	6073.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	7754.5	0.0	7754.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	1.2
10°-20°	295.4	3.8
20°-30°	524.9	6.8
30°-40°	826.5	10.7
40°-50°	1216.4	15.7
50°-60°	1615.7	20.8
60°-70°	1779.7	23.0
70°-80°	1116.6	14.4
80°-90°	284.4	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°	7754.5	100.0
0°-180°	7754.5	100.0

Coefficient of Utilization



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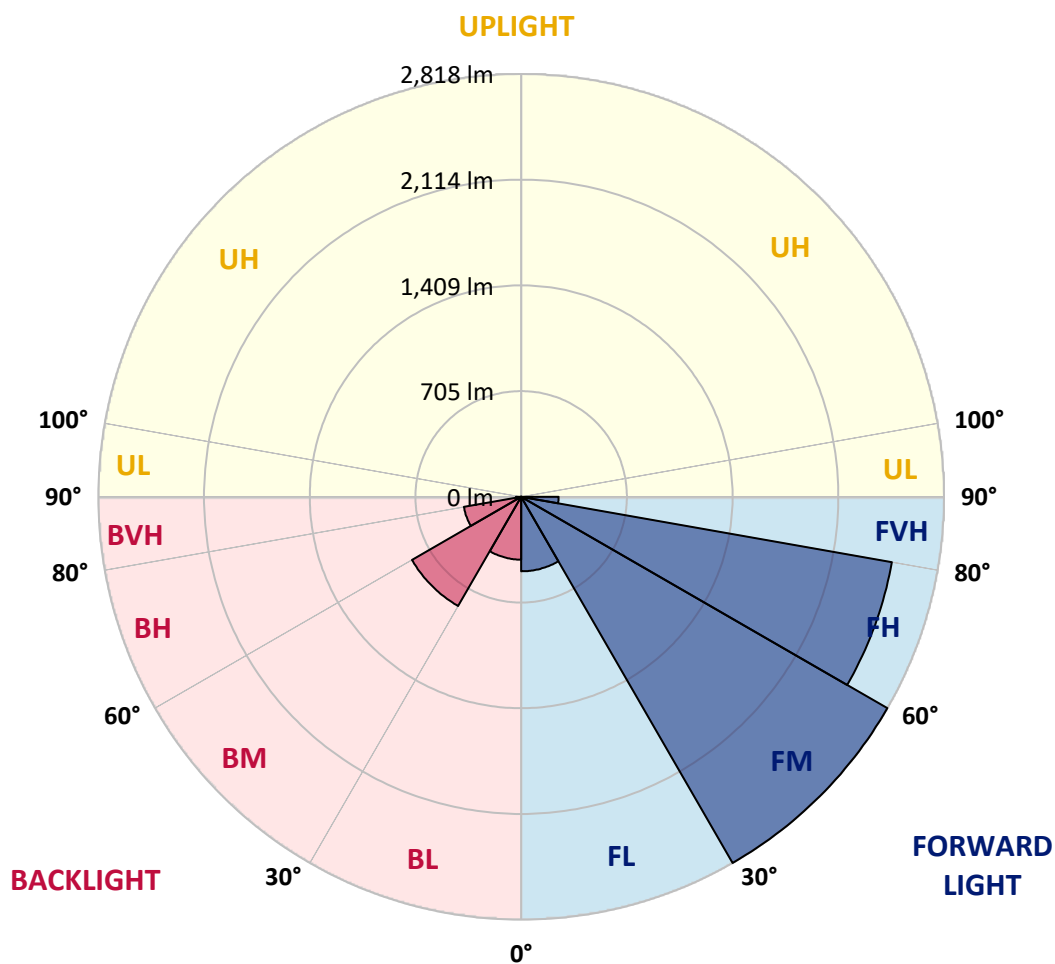
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	496.5	6.4			
FM	(30°-60°)	2818.2	36.3			
FH	(60°-80°)	2508.7	32.4			G2/5000
FVH	(80°-90°)	249.6	3.2			G3/500
BL	(0°-30°)	418.6	5.4	B1/500		
BM	(30°-60°)	840.5	10.8	B1/1000		
BH	(60°-80°)	387.6	5.0	B1/500		G1/500
BVH	(80°-90°)	34.8	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°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	961.5	963.3	963.3	962.4	962.4	964.2	963.3	962.4	959.6	963.3	963.3
5°	954.1	956.0	956.0	957.8	959.6	961.5	961.5	963.3	962.4	966.1	968.9
7.5°	963.3	965.2	968.9	973.6	976.4	982.9	982.9	987.5	989.3	992.1	991.2
10°	975.4	980.1	988.4	995.9	1001.5	1008.9	1014.4	1020.9	1020.9	1023.7	1025.6
12.5°	996.8	1001.5	1010.8	1020.0	1028.4	1037.7	1046.0	1052.5	1059.1	1060.9	1064.7
15°	1032.1	1037.7	1051.6	1064.7	1074.8	1086.9	1098.0	1111.1	1123.1	1125.9	1127.8
17.5°	1085.1	1096.2	1106.4	1129.6	1144.5	1160.3	1177.9	1196.5	1200.2	1219.8	1224.4
20°	1160.3	1174.2	1183.5	1212.3	1237.4	1257.8	1283.8	1305.2	1313.6	1332.1	1350.8
22.5°	1290.4	1287.6	1301.5	1330.3	1348.9	1389.7	1412.0	1434.3	1445.5	1473.4	1488.2
25°	1465.0	1479.9	1510.6	1513.3	1531.0	1578.3	1607.2	1629.4	1630.4	1638.8	1654.5
27.5°	1636.9	1698.1	1746.5	1772.5	1819.9	1863.5	1861.7	1893.3	1844.0	1854.2	1869.1
30°	1845.0	1947.2	2038.1	2099.5	2147.8	2198.9	2223.9	2241.7	2220.3	2211.0	2193.4
32.5°	2040.0	2183.1	2323.4	2432.0	2522.2	2606.7	2662.5	2687.6	2717.3	2792.5	2819.5
35°	2173.8	2376.4	2551.0	2708.0	2858.4	2993.2	3090.7	3146.4	3125.1	3114.9	3109.3
37.5°	2253.7	2500.8	2719.2	2941.1	3114.0	3315.5	3466.9	3613.8	3647.2	3588.6	3559.9
40°	2303.8	2596.5	2877.1	3139.1	3362.9	3623.0	3810.7	4030.9	4198.0	4220.3	4151.6
42.5°	2328.0	2660.6	2987.6	3283.9	3586.8	3905.4	4143.2	4409.8	4659.8	4831.6	4788.9
45°	2331.7	2702.4	3068.4	3414.9	3775.3	4153.5	4460.0	4755.4	5089.8	5384.4	5392.7
47.5°	2331.7	2734.0	3124.1	3509.7	3944.5	4369.0	4703.4	5052.7	5462.4	5810.8	5917.6
50°	2333.6	2755.3	3176.2	3584.0	4073.6	4551.1	4929.2	5341.7	5772.6	6151.7	6357.9
52.5°	2342.0	2771.2	3217.1	3637.0	4157.2	4679.3	5104.8	5580.4	6009.5	6398.9	6665.4
55°	2360.5	2793.5	3246.8	3669.4	4213.0	4762.9	5232.0	5743.9	6162.9	6557.7	6930.2
57.5°	2412.5	2832.4	3283.0	3698.2	4243.6	4817.7	5321.2	5814.5	6221.3	6633.0	7070.5
60°	2516.6	2915.1	3345.3	3755.9	4294.7	4919.0	5363.9	5767.2	6178.7	6610.7	7102.1
62.5°	2682.9	3044.2	3431.6	3853.4	4440.5	5076.0	5331.4	5625.9	6010.5	6481.5	6989.6
63°	2740.5	3072.1	3451.2	3874.8	4480.5	5104.8	5317.5	5584.1	5976.2	6440.6	6949.7
65°	2901.2	3195.6	3544.0	3982.6	4644.9	5133.6	5208.8	5366.7	5738.3	6207.5	6713.8
67.5°	3201.2	3495.8	3743.8	4164.7	4783.3	5020.2	4871.6	4891.1	5279.4	5765.3	6220.4
70°	3390.8	3742.0	3871.1	4187.9	4758.2	4852.0	4434.9	4176.7	4487.9	5041.6	5440.1
72.5°	3341.6	3744.8	3730.8	3878.4	4256.6	4343.9	3911.9	3505.1	3689.9	4103.3	4361.6
75°	2862.2	3344.4	3242.2	3212.4	3345.3	3402.9	3078.7	3016.4	3249.5	3479.1	3482.8
77.5°	2060.5	2590.9	2471.1	2299.3	2289.9	2422.8	2466.4	2874.3	3219.0	3400.1	3320.2
80°	1312.6	1887.7	1763.2	1463.1	1458.5	1631.3	2014.9	2569.5	2934.6	3036.0	2827.8
82.5°	685.6	1235.5	1282.9	1098.0	1256.9	1543.0	1917.4	2070.7	2209.1	2223.0	1977.8
85°	427.4	759.9	893.7	922.5	1135.2	1368.4	1365.6	1311.7	1250.4	1070.2	968.0
87.5°	48.3	95.6	144.9	137.5	184.9	259.2	323.3	189.5	132.8	48.3	66.8
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°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	965.2	966.1	967.0	967.0	971.7	970.8	971.7	973.6	976.4	978.2	980.1
5°	972.6	972.6	976.4	979.2	984.8	988.4	990.3	995.9	1002.4	1000.5	1006.1
7.5°	996.8	995.9	999.6	1001.5	1006.1	1012.5	1011.7	1016.3	1021.9	1023.7	1028.4
10°	1029.3	1026.5	1026.5	1024.7	1025.6	1023.7	1023.7	1023.7	1027.5	1026.5	1030.3
12.5°	1062.8	1061.9	1060.0	1054.4	1054.4	1046.9	1043.2	1038.5	1037.7	1031.2	1032.1
15°	1131.5	1131.5	1127.8	1116.7	1107.4	1100.8	1091.5	1085.1	1075.8	1063.7	1057.2
17.5°	1231.8	1218.9	1214.2	1212.3	1197.4	1191.9	1171.4	1150.1	1139.9	1123.1	1113.9
20°	1354.4	1351.7	1333.1	1323.8	1305.2	1279.2	1253.2	1225.3	1208.6	1188.2	1177.0
22.5°	1492.8	1472.4	1463.1	1449.2	1420.4	1390.7	1351.7	1314.5	1288.5	1274.6	1266.2
25°	1654.5	1634.1	1624.8	1606.2	1570.9	1539.3	1491.0	1447.4	1424.1	1400.9	1387.9
27.5°	1869.1	1849.6	1838.4	1790.2	1778.0	1726.0	1666.6	1607.2	1576.5	1542.1	1519.8
30°	2189.6	2190.6	2133.0	2074.4	2014.0	1923.9	1861.7	1794.8	1744.7	1695.4	1646.1
32.5°	2731.2	2592.7	2485.9	2360.5	2229.5	2133.9	2056.8	1976.9	1907.2	1835.6	1753.9
35°	3062.0	2995.0	2856.6	2627.2	2495.2	2379.2	2293.7	2197.0	2111.6	1985.2	1860.7
37.5°	3435.3	3280.2	3112.1	2984.8	2835.2	2700.5	2557.5	2447.9	2300.2	2130.2	1953.7
40°	3980.7	3758.7	3556.2	3385.2	3192.0	3050.8	2891.0	2732.1	2536.2	2289.9	2047.5
42.5°	4550.2	4320.7	4053.2	3831.1	3603.5	3438.1	3240.3	3017.3	2729.3	2424.7	2128.3
45°	5147.5	4840.9	4520.4	4249.1	4012.2	3806.9	3561.8	3266.3	2915.1	2545.4	2203.5
47.5°	5736.5	5384.4	5002.6	4710.9	4402.5	4151.6	3850.7	3477.2	3060.1	2659.7	2278.8
50°	6255.8	5916.7	5456.8	5086.2	4774.0	4464.7	4089.3	3639.8	3174.3	2758.1	2346.6
52.5°	6703.5	6411.8	5927.9	5459.6	5100.1	4752.6	4281.7	3770.8	3289.5	2849.2	2402.4
55°	7032.4	6838.2	6392.3	5811.7	5387.2	4972.8	4444.2	3897.1	3398.2	2921.7	2438.5
57.5°	7280.4	7172.6	6789.9	6143.3	5651.0	5186.5	4612.4	4048.5	3506.0	2983.9	2455.3
60°	7416.1	7445.8	7090.9	6433.2	5884.1	5364.9	4780.5	4177.6	3585.9	3020.1	2446.0
62.5°	7403.0	7585.1	7316.7	6611.6	6019.8	5470.8	4893.9	4238.0	3574.7	2962.5	2361.5
63°	7377.9	7589.7	7341.8	6623.6	6028.2	5474.5	4896.7	4229.6	3551.5	2934.6	2328.0
65°	7161.6	7482.9	7320.4	6568.8	5953.9	5404.8	4838.1	4108.9	3388.0	2785.1	2156.2
67.5°	6581.9	6984.0	6937.6	6181.5	5601.8	5116.8	4539.0	3719.7	2983.9	2417.2	1827.3
70°	5624.0	6002.2	6010.5	5376.1	4892.0	4416.4	3936.1	3026.6	2365.2	1873.8	1362.8
72.5°	4310.5	4553.9	4638.4	4220.3	3896.2	3561.8	3130.7	2197.0	1686.1	1274.6	887.2
75°	3337.8	3271.0	3270.1	3093.5	2961.6	2798.1	2324.4	1482.7	1107.4	828.6	542.5
77.5°	3000.6	2703.3	2415.3	2203.5	2097.6	2042.8	1524.5	893.7	653.1	476.6	312.1
80°	2474.8	2036.4	1645.2	1416.7	1325.7	1388.8	850.1	483.1	357.6	271.3	202.5
82.5°	1706.5	1416.7	1076.7	891.8	765.5	800.8	434.7	247.2	165.4	151.4	125.4
85°	889.0	779.4	657.7	564.9	498.9	438.4	225.7	118.0	68.7	60.4	54.8
87.5°	0.0	0.9	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°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	982.9	982.0	983.8	984.8	987.5	989.3	990.3	988.4	991.2	994.0	992.1
5°	1008.9	1015.3	1016.3	1019.1	1019.1	1024.7	1024.7	1024.7	1023.7	1024.7	1022.8
7.5°	1031.2	1039.5	1040.4	1044.1	1045.1	1051.6	1048.8	1050.7	1050.7	1046.0	1044.1
10°	1034.0	1042.3	1046.9	1051.6	1058.1	1066.4	1066.4	1071.1	1071.1	1067.4	1066.4
12.5°	1034.9	1041.3	1046.0	1052.5	1061.9	1073.9	1080.4	1086.9	1089.7	1088.8	1086.0
15°	1054.4	1054.4	1055.3	1060.9	1067.4	1082.3	1091.5	1099.0	1103.6	1101.8	1097.1
17.5°	1105.5	1098.0	1092.4	1083.2	1085.1	1092.4	1098.0	1104.6	1105.5	1103.6	1096.2
20°	1165.0	1155.6	1141.8	1126.8	1119.4	1113.9	1110.2	1110.2	1107.4	1098.0	1086.0
22.5°	1249.4	1237.4	1217.9	1195.6	1180.7	1163.1	1141.8	1121.2	1099.0	1076.7	1050.7
25°	1366.5	1349.8	1329.3	1295.0	1263.4	1226.2	1182.6	1137.1	1084.1	1037.7	999.6
27.5°	1484.6	1447.4	1394.4	1347.0	1288.5	1232.7	1170.5	1114.8	1046.9	991.2	949.4
30°	1582.1	1511.5	1435.2	1360.0	1282.9	1207.7	1133.4	1066.4	992.1	935.4	894.6
32.5°	1657.3	1559.8	1453.9	1355.3	1260.6	1168.7	1083.2	1008.9	933.6	875.1	831.4
35°	1726.9	1591.3	1456.7	1334.9	1217.9	1122.2	1025.6	944.8	864.9	803.5	756.2
37.5°	1779.0	1606.2	1439.9	1296.9	1162.2	1055.3	956.9	874.2	792.4	725.5	671.6
40°	1812.4	1596.9	1403.7	1242.1	1096.2	983.8	883.4	798.0	719.1	645.6	580.6
42.5°	1839.4	1584.9	1367.5	1191.9	1044.1	921.6	818.4	726.4	646.5	566.6	495.1
45°	1879.4	1594.1	1351.7	1156.6	997.7	868.6	755.2	659.6	576.0	497.9	429.2
47.5°	1918.3	1598.8	1328.4	1113.0	939.2	813.8	698.5	605.7	520.2	448.7	385.5
50°	1953.7	1596.0	1292.2	1057.2	882.5	759.0	647.5	554.6	470.1	404.1	344.7
52.5°	1970.4	1580.2	1247.7	1003.3	837.0	710.7	597.3	507.3	423.6	361.3	306.5
55°	1968.5	1539.3	1189.1	952.2	786.8	659.6	548.1	459.0	383.6	326.1	278.7
57.5°	1940.6	1476.2	1126.8	895.5	720.9	596.4	490.5	404.1	340.9	292.6	252.6
60°	1882.1	1395.3	1045.1	812.8	638.2	518.3	419.0	344.7	293.6	256.4	230.4
62.5°	1772.5	1279.2	942.9	697.6	526.7	417.1	330.7	282.4	244.4	222.1	209.9
63°	1740.0	1247.7	899.3	669.8	500.7	393.9	312.1	262.0	234.1	214.6	203.4
65°	1578.3	1092.4	752.4	540.6	389.2	303.7	250.8	212.7	196.1	187.7	186.7
67.5°	1278.2	859.3	532.3	370.7	264.8	219.3	192.3	176.5	169.1	167.3	169.1
70°	897.4	542.5	338.1	246.2	196.1	176.5	164.5	157.9	153.3	154.2	156.1
72.5°	572.2	325.2	232.2	186.7	165.4	155.1	149.5	147.7	146.7	145.8	145.8
75°	326.1	216.5	178.3	161.7	150.5	142.2	137.5	135.6	136.6	137.5	135.6
77.5°	215.5	178.3	158.9	147.7	137.5	128.2	125.4	124.5	126.3	128.2	128.2
80°	170.1	158.9	147.7	136.6	119.8	113.4	115.2	116.2	115.2	116.2	113.4
82.5°	119.8	118.0	120.7	116.2	99.4	93.8	92.0	92.8	91.1	91.1	89.2
85°	55.8	55.8	58.5	58.5	56.7	57.6	62.3	67.8	70.6	67.8	64.1
87.5°	0.0	0.0	0.0	0.0	0.0	8.4	16.7	24.1	26.0	32.5	31.6
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: P152743

CATALOG NUMBER: VXS-F04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	989.3	991.2	990.3	989.3	991.2	989.3	990.3	989.3	989.3	988.4	988.4
5°	1020.9	1023.7	1018.1	1017.2	1015.3	1010.8	1010.8	1008.9	1008.9	1005.2	1002.4
7.5°	1041.3	1042.3	1037.7	1036.8	1032.1	1027.5	1023.7	1020.0	1019.1	1016.3	1010.8
10°	1060.9	1059.1	1055.3	1050.7	1046.0	1039.5	1034.9	1030.3	1029.3	1024.7	1018.1
12.5°	1077.6	1076.7	1069.2	1064.7	1057.2	1050.7	1045.1	1039.5	1036.8	1031.2	1021.9
15°	1088.8	1083.2	1073.9	1065.5	1057.2	1049.7	1043.2	1036.8	1034.0	1027.5	1018.1
17.5°	1084.1	1073.9	1061.9	1051.6	1040.4	1031.2	1025.6	1019.1	1014.4	1010.8	997.7
20°	1067.4	1052.5	1034.0	1021.9	1007.0	994.9	991.2	984.8	981.0	967.0	950.4
22.5°	1023.7	1002.4	979.2	961.5	944.8	932.7	923.4	916.9	907.6	899.3	873.3
25°	968.9	944.8	920.6	899.3	877.0	858.3	841.7	825.9	821.2	803.5	778.4
27.5°	916.0	889.0	864.9	839.8	811.0	787.8	759.0	736.7	721.9	703.2	680.0
30°	859.3	832.3	799.9	766.4	733.0	707.9	675.3	648.4	629.8	610.4	589.0
32.5°	787.8	755.2	716.3	679.1	648.4	618.7	586.2	560.2	541.6	523.9	503.5
35°	706.0	663.3	621.5	580.6	548.1	523.0	494.2	474.7	461.7	445.9	424.6
37.5°	612.2	563.9	519.3	487.7	459.0	434.7	414.3	402.3	388.3	380.0	366.9
40°	517.4	470.1	426.4	397.6	373.5	359.5	348.4	345.6	336.3	325.2	316.8
42.5°	433.8	388.3	345.6	322.4	306.5	302.8	297.3	297.3	292.6	284.2	278.7
45°	377.2	329.7	292.6	276.0	267.6	266.6	263.8	263.8	262.9	259.2	252.6
47.5°	336.3	293.6	264.8	254.5	252.6	250.8	248.1	247.2	246.2	243.4	239.7
50°	299.2	262.9	244.4	239.7	240.6	237.8	235.0	232.2	231.3	228.5	224.8
52.5°	264.8	238.8	226.6	223.8	223.8	223.8	222.1	222.1	220.2	219.3	215.5
55°	245.3	225.7	219.3	218.3	217.4	216.5	214.6	214.6	212.7	211.8	207.2
57.5°	228.5	216.5	212.7	210.9	209.9	208.1	207.2	207.2	207.2	207.2	201.6
60°	215.5	209.9	209.0	207.2	206.2	202.5	200.6	199.7	200.6	201.6	196.1
62.5°	201.6	200.6	199.7	197.8	197.0	193.3	190.5	188.6	190.5	192.3	191.4
63°	197.8	197.0	197.0	196.1	195.1	190.5	187.7	185.8	187.7	189.5	189.5
65°	184.9	185.8	185.8	184.9	183.9	181.1	177.4	175.5	176.5	179.3	180.2
67.5°	170.9	171.8	170.9	171.8	170.9	169.1	166.3	164.5	163.5	164.5	165.4
70°	157.9	159.8	158.9	157.9	157.0	157.0	155.1	152.3	151.4	150.5	150.5
72.5°	146.7	146.7	144.9	144.9	144.0	144.0	142.2	139.4	138.4	138.4	136.6
75°	134.7	134.7	131.9	131.9	130.1	131.0	129.1	126.3	125.4	125.4	124.5
77.5°	127.3	124.5	119.8	118.9	118.0	118.0	117.1	114.3	113.4	113.4	112.4
80°	112.4	106.8	102.2	101.2	102.2	104.0	104.0	102.2	102.2	102.2	102.2
82.5°	87.4	85.5	82.7	80.8	80.8	83.6	87.4	89.2	91.1	92.8	92.8
85°	64.1	65.1	64.1	61.3	60.4	63.2	66.8	70.6	71.5	75.2	74.3
87.5°	34.4	35.3	32.5	31.6	34.4	36.3	39.9	40.8	42.7	43.6	44.6
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: VXS-F04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	987.5	986.5	987.5	985.7	985.7	983.8	982.0	981.0	979.2	978.2	976.4
5°	1004.2	1001.5	998.7	997.7	994.0	990.3	987.5	982.9	979.2	972.6	970.8
7.5°	1015.3	1008.9	1005.2	1004.2	998.7	995.9	989.3	983.8	978.2	969.8	967.0
10°	1020.0	1013.5	1007.0	1004.2	997.7	993.1	986.5	978.2	973.6	965.2	963.3
12.5°	1025.6	1013.5	1003.3	995.9	986.5	976.4	969.8	965.2	958.8	954.1	952.2
15°	1015.3	999.6	983.8	969.8	955.0	943.8	937.3	929.9	922.5	919.7	919.7
17.5°	987.5	967.0	940.1	922.5	906.7	894.6	886.2	878.9	877.9	874.2	876.1
20°	929.9	903.0	877.0	863.9	854.6	847.3	838.9	835.1	832.3	826.8	825.0
22.5°	850.1	827.8	809.1	799.9	792.4	783.1	775.6	764.6	761.8	756.2	753.4
25°	761.8	744.1	728.3	721.9	717.2	704.1	699.5	684.7	674.4	668.0	671.6
27.5°	673.5	660.5	645.6	637.3	634.5	622.4	617.8	601.0	592.6	592.6	583.4
30°	582.5	570.4	561.1	551.8	549.9	535.1	523.0	516.5	507.3	503.5	497.0
32.5°	497.0	485.0	477.5	472.8	465.4	453.4	441.2	430.2	415.2	409.6	406.9
35°	418.0	408.7	399.5	395.8	385.5	372.5	357.6	348.4	330.7	324.2	321.5
37.5°	357.6	346.5	340.0	329.7	319.6	305.6	294.5	286.1	279.6	276.8	276.8
40°	309.3	301.0	293.6	285.2	276.8	269.4	263.8	262.0	261.0	261.0	262.9
42.5°	273.2	265.7	262.0	257.3	254.5	254.5	253.6	254.5	255.4	256.4	259.2
45°	249.0	244.4	242.5	241.6	243.4	245.3	246.2	248.1	251.7	253.6	254.5
47.5°	236.0	232.2	231.3	232.2	235.0	238.8	242.5	245.3	248.1	249.0	249.8
50°	223.0	218.3	216.5	218.3	222.1	227.6	230.4	235.0	236.9	238.8	236.9
52.5°	211.8	208.1	207.2	207.2	210.9	214.6	218.3	222.1	223.0	223.0	222.1
55°	202.5	199.7	197.0	198.8	201.6	205.3	210.9	213.7	215.5	216.5	216.5
57.5°	195.1	192.3	189.5	191.4	194.2	197.8	203.4	206.2	208.1	210.9	211.8
60°	189.5	185.8	183.0	185.8	188.6	194.2	198.8	201.6	206.2	207.2	207.2
62.5°	183.9	180.2	175.5	178.3	178.3	181.1	185.8	189.5	194.2	196.1	196.1
63°	183.0	179.3	174.6	176.5	176.5	178.3	182.1	185.8	191.4	193.3	192.3
65°	175.5	174.6	170.1	170.1	168.2	170.1	172.7	176.5	179.3	182.1	182.1
67.5°	163.5	162.6	161.7	161.7	161.7	163.5	165.4	168.2	170.9	172.7	171.8
70°	149.5	149.5	149.5	150.5	150.5	152.3	153.3	152.3	155.1	157.0	156.1
72.5°	137.5	136.6	135.6	137.5	136.6	136.6	138.4	137.5	140.3	140.3	141.2
75°	124.5	123.5	123.5	124.5	122.6	120.7	121.7	121.7	122.6	122.6	124.5
77.5°	113.4	113.4	113.4	112.4	110.6	109.6	108.7	108.7	108.7	108.7	109.6
80°	103.1	103.1	103.1	102.2	100.3	98.4	96.6	95.6	94.7	90.2	90.2
82.5°	92.8	92.8	92.8	92.8	92.0	90.2	87.4	79.9	76.2	72.4	73.4
85°	73.4	75.2	77.1	79.9	79.0	79.0	73.4	64.1	58.5	54.8	55.8
87.5°	47.4	41.8	41.8	40.8	39.1	37.2	37.2	31.6	26.0	23.2	24.1
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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CATALOG NUMBER: VXS-F04-LED-E1-SLL-8030

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	0°
2.5°	976.4	974.5	972.6	972.6	969.8	969.8	968.0	971.7	968.0	965.2	965.2	2.5°
5°	968.9	967.0	961.5	960.5	956.9	956.9	956.9	955.0	955.0	953.2	952.2	5°
7.5°	964.2	959.6	955.0	952.2	952.2	950.4	954.1	952.2	953.2	953.2	954.1	7.5°
10°	960.5	956.9	955.0	954.1	954.1	956.9	959.6	960.5	959.6	960.5	960.5	10°
12.5°	951.3	953.2	954.1	957.8	962.4	968.0	974.5	975.4	977.3	977.3	979.2	12.5°
15°	921.6	926.2	931.8	941.0	953.2	965.2	977.3	987.5	996.8	1001.5	1005.2	15°
17.5°	879.8	884.4	894.6	904.9	920.6	938.2	958.8	976.4	995.9	1013.5	1031.2	17.5°
20°	823.1	830.5	833.3	851.9	870.5	894.6	918.8	946.6	980.1	1013.5	1047.9	20°
22.5°	749.6	758.0	771.1	785.9	805.4	835.1	863.9	907.6	952.2	999.6	1053.5	22.5°
25°	668.0	677.2	688.4	704.1	723.6	755.2	797.1	843.5	898.3	960.5	1027.5	25°
27.5°	583.4	592.6	602.0	613.2	635.4	668.9	718.1	766.4	826.8	894.6	972.6	27.5°
30°	498.9	499.8	505.4	519.3	542.5	586.2	622.4	682.8	746.0	817.5	907.6	30°
32.5°	406.0	405.1	411.5	423.6	445.9	487.7	532.3	590.9	653.1	743.2	836.1	32.5°
35°	323.3	323.3	335.3	347.5	372.5	402.3	441.2	493.3	566.6	650.3	743.2	35°
37.5°	279.6	286.1	293.6	305.6	325.2	348.4	382.7	428.3	485.9	565.7	651.2	37.5°
40°	265.7	269.4	276.0	287.0	303.7	325.2	350.3	384.6	429.2	493.3	571.3	40°
42.5°	260.1	261.0	264.8	273.2	288.0	309.3	335.3	366.0	399.5	445.0	512.7	42.5°
45°	254.5	253.6	255.4	262.0	274.1	298.2	328.0	361.3	394.8	433.0	488.6	45°
47.5°	249.8	249.8	249.8	252.6	263.8	288.0	322.4	361.3	401.3	444.0	498.9	47.5°
50°	236.9	236.0	236.0	237.8	246.2	272.2	313.1	360.4	412.4	468.2	530.5	50°
52.5°	222.1	222.1	223.0	223.8	231.3	257.3	302.8	360.4	425.5	499.8	577.8	52.5°
55°	217.4	218.3	219.3	218.3	223.8	246.2	291.7	354.9	431.1	524.9	628.9	55°
57.5°	213.7	215.5	215.5	214.6	218.3	236.9	280.5	343.7	426.4	534.2	665.2	57.5°
60°	208.1	208.1	208.1	205.3	207.2	223.8	263.8	326.1	411.5	525.8	670.7	60°
62.5°	196.1	196.1	194.2	193.3	192.3	205.3	241.6	300.1	384.6	503.5	656.8	62.5°
63°	193.3	192.3	192.3	189.5	189.5	201.6	236.9	296.4	377.2	497.9	651.2	63°
65°	183.0	183.0	183.0	181.1	180.2	189.5	218.3	270.4	348.4	471.9	623.3	65°
67.5°	171.8	172.7	170.9	170.1	169.1	174.6	197.0	237.8	303.7	417.1	571.3	67.5°
70°	156.1	157.0	157.0	156.1	155.1	158.9	172.7	204.4	251.7	347.5	486.7	70°
72.5°	142.2	144.0	144.0	145.8	145.8	148.6	154.2	170.1	201.6	271.3	382.7	72.5°
75°	127.3	128.2	130.1	131.9	130.1	129.1	130.1	142.2	157.9	200.6	273.2	75°
77.5°	114.3	117.1	117.1	116.2	113.4	111.5	111.5	117.1	130.1	152.3	195.1	77.5°
80°	94.7	99.4	100.3	97.5	94.7	94.7	96.6	100.3	108.7	125.4	147.7	80°
82.5°	76.2	80.8	81.8	82.7	81.8	84.6	84.6	85.5	90.2	103.1	120.7	82.5°
85°	58.5	62.3	65.1	65.9	66.8	67.8	66.8	62.3	65.1	73.4	81.8	85°
87.5°	26.0	26.9	25.1	26.0	25.1	26.0	26.9	22.3	21.3	28.8	29.7	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°
974.5	974.5	974.5	974.5	974.5	974.5	974.5
964.2	964.2	965.2	963.3	963.3	964.2	961.5
949.4	953.2	953.2	953.2	951.3	953.2	954.1
953.2	956.0	957.8	957.8	956.9	960.5	963.3
957.8	962.4	964.2	964.2	964.2	968.9	975.4
975.4	979.2	982.0	982.0	983.8	989.3	996.8
1008.0	1012.5	1012.5	1011.7	1017.2	1023.7	1032.1
1044.1	1057.2	1063.7	1062.8	1067.4	1075.8	1085.1
1078.5	1114.8	1130.6	1141.8	1146.3	1157.5	1160.3
1107.4	1167.8	1211.4	1248.6	1266.2	1277.3	1290.4
1097.1	1178.9	1256.9	1333.1	1386.9	1441.8	1465.0
1055.3	1157.5	1259.7	1371.2	1468.7	1566.2	1636.9
1004.2	1126.8	1264.4	1422.3	1576.5	1726.0	1845.0
945.7	1098.0	1274.6	1469.6	1672.1	1868.2	2040.0
872.3	1043.2	1249.4	1474.3	1713.1	1950.9	2173.8
779.4	968.9	1191.0	1440.8	1714.9	1987.0	2253.7
686.5	875.1	1116.7	1392.5	1690.8	1995.4	2303.8
621.5	791.5	1041.3	1331.2	1651.7	1982.5	2328.0
576.9	731.1	974.5	1275.4	1609.9	1959.2	2331.7
573.2	705.1	930.9	1234.6	1576.5	1938.8	2331.7
604.8	719.1	916.0	1214.2	1562.6	1932.3	2333.6
664.2	774.8	942.9	1229.9	1573.7	1940.6	2342.0
735.8	859.3	1015.3	1284.8	1621.0	1968.5	2360.5
800.8	956.9	1139.0	1390.7	1707.5	2039.1	2412.5
838.9	1040.4	1269.9	1539.3	1855.1	2179.4	2516.6
843.5	1086.9	1386.0	1700.9	2034.5	2340.1	2682.9
839.8	1090.7	1400.9	1731.6	2072.5	2380.0	2740.5
819.4	1091.5	1442.7	1839.4	2204.5	2548.2	2901.2
767.4	1061.9	1457.6	1923.9	2370.8	2769.3	3201.2
677.2	977.3	1413.9	1925.8	2434.8	2892.8	3390.8
544.4	816.6	1225.3	1752.0	2265.8	2771.2	3341.6
398.5	600.1	926.2	1357.2	1848.7	2306.6	2862.2
264.8	388.3	624.2	967.0	1325.7	1660.1	2060.5
182.1	240.6	365.1	581.6	811.0	973.6	1312.6
133.8	158.9	202.5	297.3	390.2	480.3	685.6
83.6	91.1	101.2	146.7	209.9	283.3	427.4
22.3	23.2	21.3	28.8	45.5	43.6	48.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)