

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: P152734

Luminaire Tested: **VXS-F03-LED-E1-SLL-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152734
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-F03-LED-E1-SLL-7030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6293.9 lumens
Efficiency: N/A
Efficacy: 80.4 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 - G2

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: 25 FT

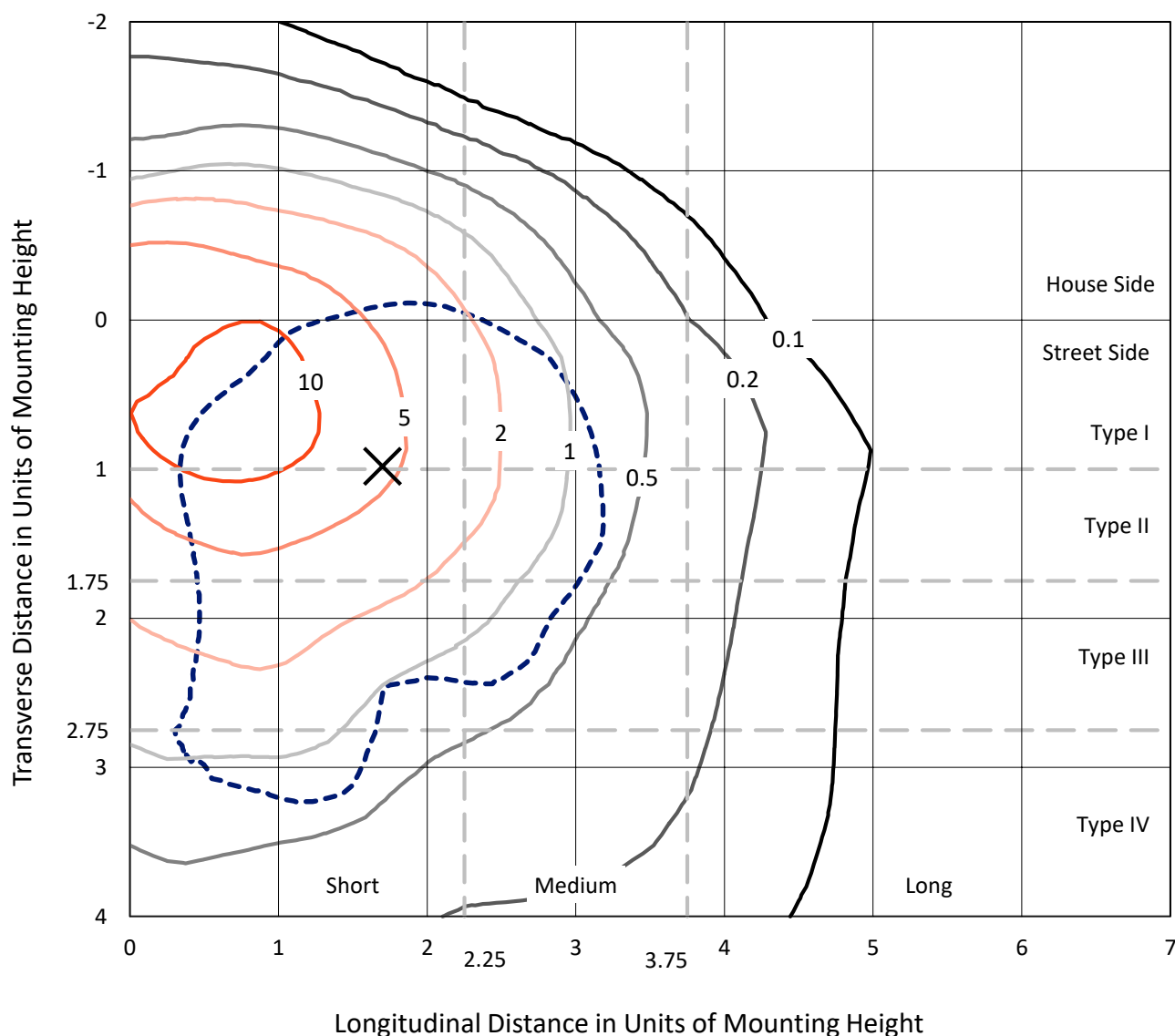


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

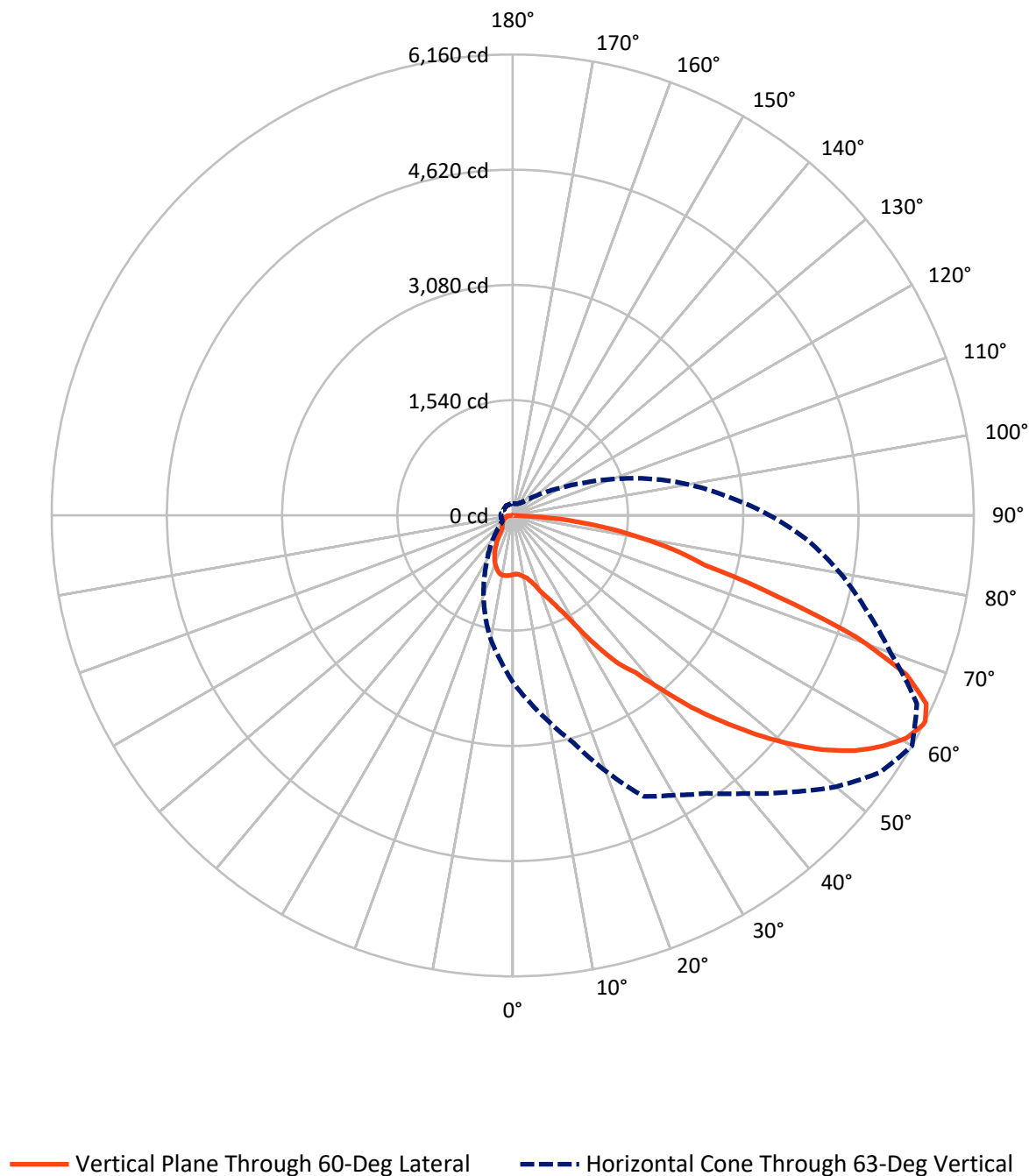


Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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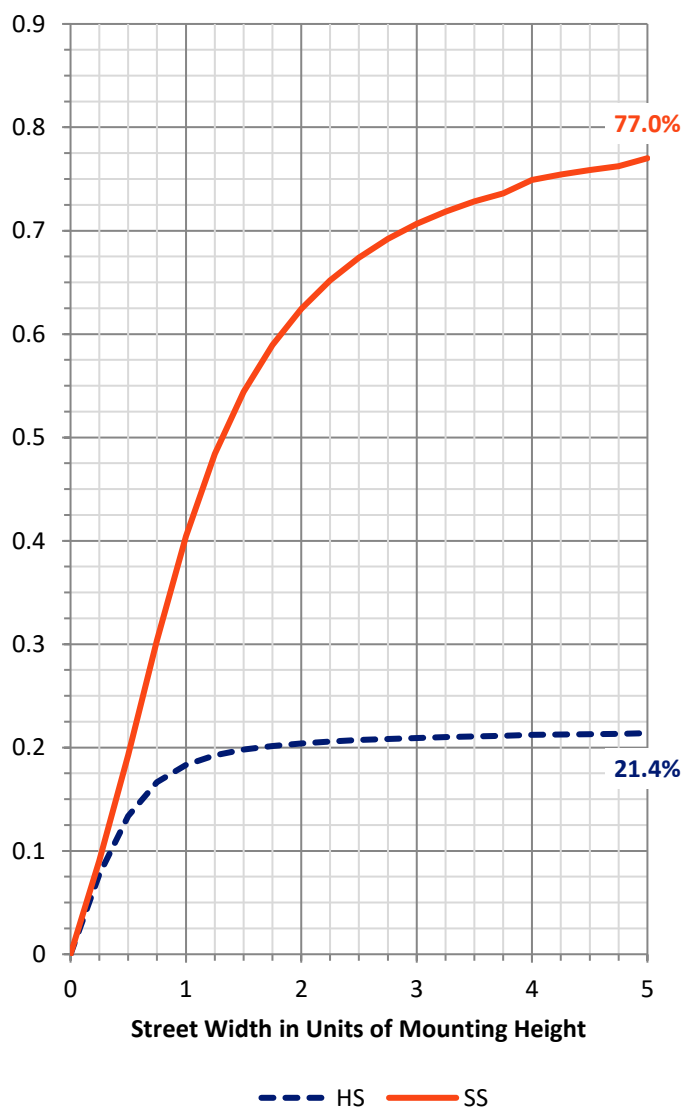
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1364.8	0.0	1364.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4929.1	0.0	4929.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	6293.9	0.0	6293.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	1.2
10°-20°	239.8	3.8
20°-30°	426.0	6.8
30°-40°	670.8	10.7
40°-50°	987.3	15.7
50°-60°	1311.4	20.8
60°-70°	1444.5	23.0
70°-80°	906.3	14.4
80°-90°	230.8	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°	6293.9	100.0
0°-180°	6293.9	100.0

Coefficient of Utilization



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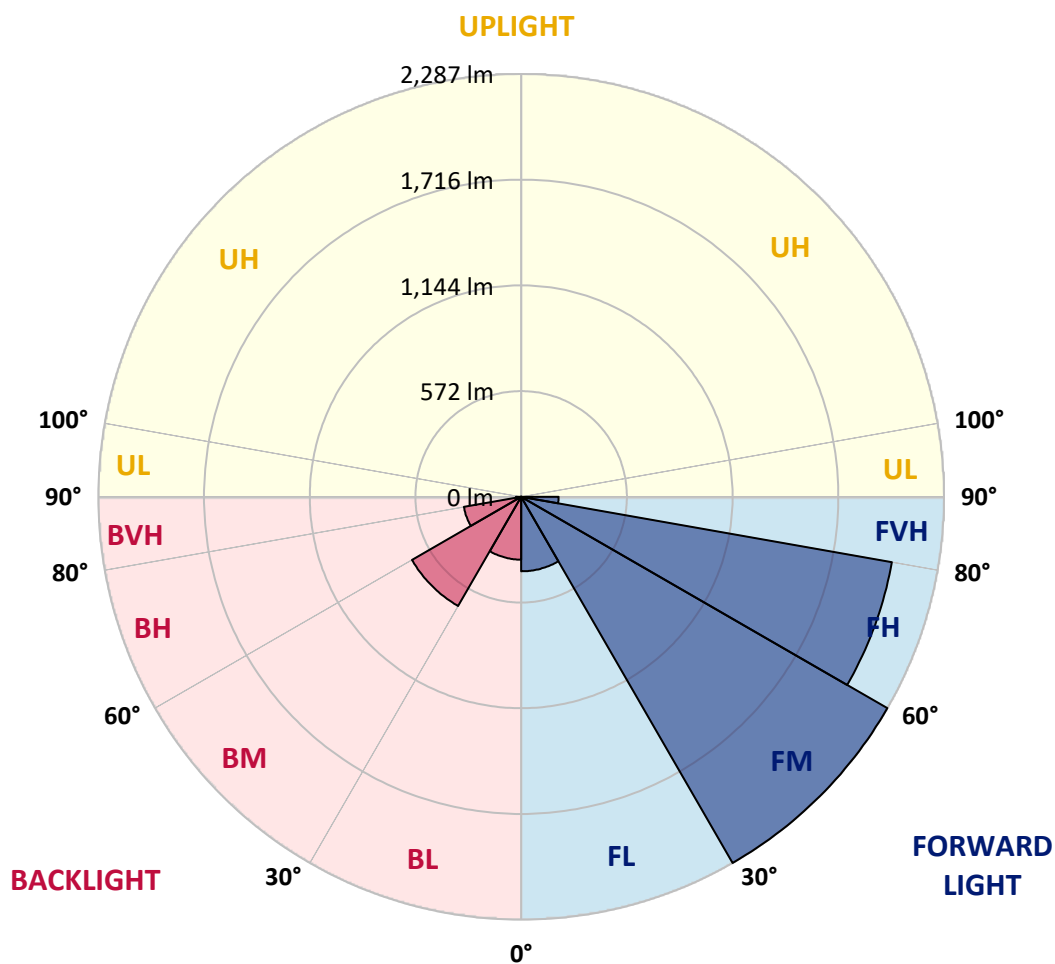
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	403.0	6.4			
FM	(30°-60°)	2287.3	36.3			
FH	(60°-80°)	2036.2	32.4			G2/5000
FVH	(80°-90°)	202.6	3.2			G2/225
BL	(0°-30°)	339.8	5.4	B1/500		
BM	(30°-60°)	682.2	10.8	B1/1000		
BH	(60°-80°)	314.6	5.0	B1/500		G1/500
BVH	(80°-90°)	28.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0
2.5°	780.4	781.9	781.9	781.1	781.1	782.7	781.9	781.1	778.9	781.9	781.9
5°	774.3	775.9	775.9	777.4	778.9	780.4	780.4	781.9	781.1	784.1	786.4
7.5°	781.9	783.4	786.4	790.2	792.4	797.7	797.7	801.5	803.0	805.3	804.6
10°	791.7	795.4	802.3	808.3	812.8	818.9	823.3	828.6	828.6	830.9	832.4
12.5°	809.0	812.8	820.3	827.9	834.7	842.2	849.0	854.3	859.6	861.0	864.0
15°	837.7	842.2	853.5	864.0	872.3	882.2	891.2	901.8	911.6	913.9	915.3
17.5°	880.6	889.7	898.0	916.9	928.9	941.8	956.1	971.2	974.2	989.9	993.8
20°	941.8	953.1	960.6	983.9	1004.4	1020.9	1042.0	1059.4	1066.1	1081.2	1096.3
22.5°	1047.3	1045.1	1056.4	1079.7	1094.8	1128.0	1146.1	1164.1	1173.3	1195.9	1207.9
25°	1189.0	1201.1	1226.0	1228.3	1242.6	1281.0	1304.5	1322.5	1323.2	1330.1	1342.9
27.5°	1328.5	1378.3	1417.5	1438.7	1477.1	1512.5	1511.0	1536.7	1496.7	1505.0	1517.0
30°	1497.4	1580.4	1654.3	1704.0	1743.2	1784.7	1805.1	1819.4	1802.1	1794.5	1780.2
32.5°	1655.8	1771.9	1885.7	1974.0	2047.0	2115.8	2160.9	2181.3	2205.4	2266.5	2288.4
35°	1764.4	1928.7	2070.5	2197.9	2320.0	2429.3	2508.5	2553.8	2536.5	2528.2	2523.6
37.5°	1829.2	2029.7	2206.9	2387.2	2527.4	2691.0	2813.9	2933.1	2960.2	2912.6	2889.3
40°	1869.9	2107.5	2335.1	2547.8	2729.4	2940.6	3092.8	3271.6	3407.3	3425.4	3369.6
42.5°	1889.5	2159.5	2424.9	2665.4	2911.2	3169.7	3362.8	3579.2	3782.1	3921.6	3886.8
45°	1892.5	2193.4	2490.5	2771.7	3064.2	3371.1	3619.9	3859.7	4131.1	4370.2	4376.9
47.5°	1892.5	2219.0	2535.6	2848.6	3201.5	3546.0	3817.5	4100.9	4433.5	4716.3	4802.9
50°	1894.0	2236.4	2577.9	2908.9	3306.2	3693.8	4000.7	4335.4	4685.3	4993.0	5160.3
52.5°	1900.8	2249.1	2611.1	2951.9	3374.1	3797.8	4143.2	4529.2	4877.6	5193.5	5409.9
55°	1915.9	2267.3	2635.2	2978.2	3419.4	3865.7	4246.5	4662.0	5002.0	5322.5	5624.8
57.5°	1958.1	2299.0	2664.7	3001.7	3444.2	3910.3	4318.9	4719.3	5049.5	5383.5	5738.7
60°	2042.6	2366.0	2715.1	3048.4	3485.7	3992.4	4353.6	4680.8	5014.8	5365.4	5764.2
62.5°	2177.5	2470.9	2785.3	3127.6	3604.0	4119.8	4327.2	4566.2	4878.3	5260.6	5673.1
63°	2224.2	2493.5	2801.0	3144.9	3636.5	4143.2	4315.9	4532.2	4850.5	5227.5	5640.6
65°	2354.7	2593.8	2876.5	3232.3	3769.9	4166.5	4227.7	4355.9	4657.4	5038.1	5449.1
67.5°	2598.2	2837.3	3038.5	3380.1	3882.3	4074.6	3954.0	3969.7	4285.0	4679.3	5048.7
70°	2752.1	3037.1	3141.9	3399.0	3862.0	3938.1	3599.6	3389.9	3642.6	4091.9	4415.3
72.5°	2712.1	3039.4	3028.1	3147.9	3454.8	3525.7	3175.0	2844.8	2994.8	3330.4	3540.0
75°	2323.0	2714.4	2631.4	2607.4	2715.1	2761.9	2498.8	2448.2	2637.5	2823.7	2826.7
77.5°	1672.3	2102.9	2005.6	1866.1	1858.5	1966.4	2001.9	2332.8	2612.5	2759.6	2694.8
80°	1065.4	1532.1	1431.1	1187.6	1183.7	1324.0	1635.4	2085.6	2381.9	2464.0	2295.1
82.5°	556.5	1002.8	1041.2	891.2	1020.1	1252.3	1556.3	1680.6	1793.0	1804.4	1605.3
85°	346.8	616.8	725.4	748.7	921.3	1110.7	1108.4	1064.7	1014.9	868.6	785.7
87.5°	39.2	77.6	117.6	111.6	150.1	210.4	262.4	153.8	107.8	39.2	54.3
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°	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0
2.5°	783.4	784.1	784.9	784.9	788.7	787.9	788.7	790.2	792.4	794.0	795.4
5°	789.4	789.4	792.4	794.7	799.3	802.3	803.7	808.3	813.6	812.0	816.6
7.5°	809.0	808.3	811.3	812.8	816.6	821.9	821.1	824.9	829.4	830.9	834.7
10°	835.4	833.2	833.2	831.6	832.4	830.9	830.9	830.9	833.9	833.2	836.2
12.5°	862.6	861.9	860.3	855.8	855.8	849.7	846.7	843.0	842.2	836.9	837.7
15°	918.3	918.3	915.3	906.3	898.8	893.5	885.9	880.6	873.2	863.3	858.0
17.5°	999.8	989.2	985.5	983.9	971.9	967.4	950.8	933.5	925.2	911.6	904.0
20°	1099.3	1097.1	1082.0	1074.4	1059.4	1038.2	1017.1	994.5	980.9	964.4	955.3
22.5°	1211.7	1195.1	1187.6	1176.3	1152.8	1128.7	1097.1	1066.9	1045.8	1034.5	1027.7
25°	1342.9	1326.3	1318.8	1303.6	1275.0	1249.3	1210.2	1174.7	1155.9	1137.0	1126.4
27.5°	1517.0	1501.2	1492.1	1453.0	1443.1	1400.9	1352.6	1304.5	1279.5	1251.6	1233.6
30°	1777.2	1777.9	1731.2	1683.6	1634.6	1561.6	1511.0	1456.7	1416.0	1376.1	1336.1
32.5°	2216.8	2104.4	2017.7	1915.9	1809.5	1731.9	1669.3	1604.5	1548.0	1489.8	1423.5
35°	2485.2	2430.9	2318.5	2132.3	2025.2	1931.0	1861.7	1783.2	1713.8	1611.3	1510.3
37.5°	2788.3	2662.4	2525.9	2422.6	2301.1	2191.8	2075.8	1986.7	1866.8	1728.9	1585.7
40°	3230.9	3050.7	2886.3	2747.6	2590.7	2476.2	2346.4	2217.5	2058.4	1858.5	1661.8
42.5°	3693.1	3506.8	3289.6	3109.4	2924.8	2790.6	2629.9	2449.0	2215.2	1967.9	1727.4
45°	4177.9	3929.0	3668.9	3448.8	3256.5	3089.8	2890.8	2651.1	2366.0	2065.9	1788.5
47.5°	4656.0	4370.2	4060.2	3823.5	3573.2	3369.6	3125.3	2822.2	2483.6	2158.7	1849.5
50°	5077.4	4802.2	4428.9	4128.1	3874.8	3623.7	3319.1	2954.2	2576.4	2238.7	1904.6
52.5°	5440.8	5204.0	4811.2	4431.2	4139.4	3857.4	3475.1	3060.4	2669.8	2312.5	1949.8
55°	5707.8	5550.2	5188.2	4717.0	4372.4	4036.2	3607.2	3163.0	2758.1	2371.3	1979.3
57.5°	5909.0	5821.6	5511.0	4986.1	4586.5	4209.5	3743.6	3285.9	2845.6	2421.9	1992.8
60°	6019.2	6043.2	5755.2	5221.5	4775.8	4354.3	3880.0	3390.7	2910.5	2451.2	1985.3
62.5°	6008.6	6156.4	5938.4	5366.2	4885.9	4440.3	3972.0	3439.7	2901.3	2404.5	1916.7
63°	5988.2	6160.1	5958.9	5376.0	4892.6	4443.3	3974.3	3433.0	2882.5	2381.9	1889.5
65°	5812.5	6073.4	5941.5	5331.5	4832.3	4386.7	3926.8	3334.9	2749.8	2260.5	1750.1
67.5°	5342.1	5668.5	5630.8	5017.1	4546.6	4153.0	3684.0	3019.0	2421.9	1961.9	1483.1
70°	4564.7	4871.5	4878.3	4363.3	3970.6	3584.5	3194.7	2456.5	1919.7	1520.8	1106.1
72.5°	3498.5	3696.1	3764.7	3425.4	3162.3	2890.8	2540.9	1783.2	1368.5	1034.5	720.1
75°	2709.1	2654.8	2654.1	2510.8	2403.7	2271.0	1886.5	1203.4	898.8	672.5	440.3
77.5°	2435.4	2194.1	1960.4	1788.5	1702.5	1658.0	1237.3	725.4	530.1	386.8	253.4
80°	2008.6	1652.7	1335.3	1149.8	1076.0	1127.3	689.9	392.1	290.3	220.2	164.4
82.5°	1385.1	1149.8	873.9	723.8	621.2	649.9	352.8	200.5	134.2	122.9	101.8
85°	721.6	632.6	533.8	458.4	404.9	355.9	183.2	95.8	55.8	49.0	44.5
87.5°	0.0	0.7	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°	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0
2.5°	797.7	797.0	798.4	799.3	801.5	803.0	803.7	802.3	804.6	806.7	805.3
5°	818.9	824.1	824.9	827.2	827.2	831.6	831.6	831.6	830.9	831.6	830.2
7.5°	836.9	843.7	844.5	847.5	848.3	853.5	851.3	852.7	852.7	849.0	847.5
10°	839.2	846.0	849.7	853.5	858.8	865.6	865.6	869.3	869.3	866.3	865.6
12.5°	840.0	845.2	849.0	854.3	861.9	871.6	876.9	882.2	884.5	883.7	881.5
15°	855.8	855.8	856.6	861.0	866.3	878.4	885.9	892.0	895.8	894.2	890.5
17.5°	897.2	891.2	886.7	879.2	880.6	886.7	891.2	896.5	897.2	895.8	889.7
20°	945.5	937.9	926.6	914.6	908.6	904.0	901.0	901.0	898.8	891.2	881.5
22.5°	1014.1	1004.4	988.5	970.4	958.3	944.0	926.6	910.1	892.0	873.9	852.7
25°	1109.1	1095.5	1079.0	1051.1	1025.4	995.2	959.8	922.9	879.9	842.2	811.3
27.5°	1204.9	1174.7	1131.7	1093.3	1045.8	1000.5	950.1	904.8	849.7	804.6	770.6
30°	1284.0	1226.7	1164.9	1103.8	1041.2	980.2	919.9	865.6	805.3	759.3	726.1
32.5°	1345.1	1265.9	1180.0	1100.1	1023.2	948.5	879.2	818.9	757.7	710.3	674.8
35°	1401.7	1291.6	1182.3	1083.5	988.5	910.8	832.4	766.8	702.0	652.2	613.8
37.5°	1443.9	1303.6	1168.7	1052.5	943.2	856.6	776.6	709.5	643.1	588.9	545.2
40°	1471.1	1296.2	1139.3	1008.1	889.7	798.4	717.1	647.7	583.6	524.0	471.3
42.5°	1493.0	1286.3	1109.8	967.4	847.5	748.0	664.2	589.6	524.8	459.9	401.9
45°	1525.3	1293.9	1097.1	938.8	809.7	705.0	613.0	535.3	467.5	404.1	348.4
47.5°	1557.0	1297.6	1078.2	903.3	762.3	660.5	567.0	491.6	422.3	364.1	313.0
50°	1585.7	1295.3	1048.8	858.0	716.3	616.1	525.5	450.2	381.6	328.0	279.7
52.5°	1599.2	1282.6	1012.6	814.3	679.4	576.8	484.8	411.7	343.8	293.3	248.8
55°	1597.7	1249.3	965.1	772.8	638.7	535.3	444.9	372.4	311.4	264.7	226.2
57.5°	1575.1	1198.1	914.6	726.8	585.1	484.0	398.1	328.0	276.7	237.5	205.1
60°	1527.6	1132.5	848.3	659.8	518.0	420.7	340.0	279.7	238.2	208.1	186.9
62.5°	1438.7	1038.2	765.3	566.2	427.6	338.5	268.4	229.2	198.3	180.2	170.4
63°	1412.2	1012.6	729.8	543.6	406.4	319.7	253.4	212.6	190.1	174.2	165.1
65°	1281.0	886.7	610.8	438.9	316.0	246.5	203.6	172.6	159.1	152.3	151.5
67.5°	1037.5	697.4	432.0	300.8	214.9	177.9	156.1	143.2	137.2	135.8	137.2
70°	728.4	440.3	274.4	199.8	159.1	143.2	133.5	128.2	124.5	125.2	126.6
72.5°	464.5	263.9	188.5	151.5	134.2	125.9	121.3	119.9	119.2	118.3	118.3
75°	264.7	175.6	144.8	131.2	122.2	115.3	111.6	110.1	110.9	111.6	110.1
77.5°	174.9	144.8	128.9	119.9	111.6	104.0	101.8	101.0	102.6	104.0	104.0
80°	138.0	128.9	119.9	110.9	97.3	92.0	93.5	94.3	93.5	94.3	92.0
82.5°	97.3	95.8	98.0	94.3	80.7	76.2	74.6	75.4	73.9	73.9	72.3
85°	45.3	45.3	47.5	47.5	46.0	46.7	50.5	55.0	57.3	55.0	52.0
87.5°	0.0	0.0	0.0	0.0	0.0	6.7	13.6	19.6	21.1	26.4	25.6
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: P152734

CATALOG NUMBER: VXS-F03-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0
2.5°	803.0	804.6	803.7	803.0	804.6	803.0	803.7	803.0	803.0	802.3	802.3
5°	828.6	830.9	826.4	825.6	824.1	820.3	820.3	818.9	818.9	815.9	813.6
7.5°	845.2	846.0	842.2	841.5	837.7	833.9	830.9	827.9	827.2	824.9	820.3
10°	861.0	859.6	856.6	852.7	849.0	843.7	840.0	836.2	835.4	831.6	826.4
12.5°	874.6	873.9	867.9	864.0	858.0	852.7	848.3	843.7	841.5	836.9	829.4
15°	883.7	879.2	871.6	864.9	858.0	852.0	846.7	841.5	839.2	833.9	826.4
17.5°	879.9	871.6	861.9	853.5	844.5	836.9	832.4	827.2	823.3	820.3	809.7
20°	866.3	854.3	839.2	829.4	817.3	807.6	804.6	799.3	796.2	784.9	771.3
22.5°	830.9	813.6	794.7	780.4	766.8	757.0	749.4	744.1	736.7	729.8	708.7
25°	786.4	766.8	747.3	729.8	711.8	696.7	683.1	670.3	666.5	652.2	631.8
27.5°	743.4	721.6	702.0	681.7	658.2	639.4	616.1	597.9	585.8	570.8	551.9
30°	697.4	675.5	649.2	622.1	594.9	574.5	548.2	526.3	511.2	495.3	478.0
32.5°	639.4	613.0	581.3	551.2	526.3	502.2	475.8	454.6	439.6	425.3	408.7
35°	573.1	538.3	504.5	471.3	444.9	424.5	401.1	385.3	374.7	361.9	344.6
37.5°	496.9	457.7	421.5	395.9	372.4	352.8	336.3	326.5	315.1	308.4	297.8
40°	420.0	381.6	346.1	322.7	303.1	291.8	282.8	280.5	273.0	263.9	257.1
42.5°	352.1	315.1	280.5	261.7	248.8	245.8	241.2	241.2	237.5	230.7	226.2
45°	306.1	267.7	237.5	223.9	217.1	216.4	214.1	214.1	213.4	210.4	205.1
47.5°	273.0	238.2	214.9	206.6	205.1	203.6	201.3	200.5	199.8	197.5	194.5
50°	242.8	213.4	198.3	194.5	195.2	193.1	190.8	188.5	187.8	185.5	182.5
52.5°	214.9	193.8	183.9	181.8	181.8	181.8	180.2	180.2	178.7	177.9	174.9
55°	199.1	183.2	177.9	177.2	176.5	175.6	174.2	174.2	172.6	171.9	168.2
57.5°	185.5	175.6	172.6	171.2	170.4	168.9	168.2	168.2	168.2	168.2	163.6
60°	174.9	170.4	169.6	168.2	167.4	164.4	162.9	162.1	162.9	163.6	159.1
62.5°	163.6	162.9	162.1	160.6	159.9	156.8	154.6	153.1	154.6	156.1	155.3
63°	160.6	159.9	159.9	159.1	158.3	154.6	152.3	150.8	152.3	153.8	153.8
65°	150.1	150.8	150.8	150.1	149.3	147.0	144.0	142.5	143.2	145.5	146.3
67.5°	138.8	139.5	138.8	139.5	138.8	137.2	134.9	133.5	132.7	133.5	134.2
70°	128.2	129.6	128.9	128.2	127.5	127.5	125.9	123.6	122.9	122.2	122.2
72.5°	119.2	119.2	117.6	117.6	116.9	116.9	115.3	113.1	112.3	112.3	110.9
75°	109.3	109.3	107.0	107.0	105.6	106.3	104.8	102.6	101.8	101.8	101.0
77.5°	103.3	101.0	97.3	96.5	95.8	95.8	95.0	92.7	92.0	92.0	91.2
80°	91.2	86.7	82.9	82.2	82.9	84.5	84.5	82.9	82.9	82.9	82.9
82.5°	70.9	69.3	67.2	65.6	65.6	67.9	70.9	72.3	73.9	75.4	75.4
85°	52.0	52.7	52.0	49.7	49.0	51.3	54.3	57.3	58.0	61.0	60.3
87.5°	27.9	28.6	26.4	25.6	27.9	29.4	32.4	33.2	34.7	35.4	36.2
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-F03-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0
2.5°	801.5	800.7	801.5	800.0	800.0	798.4	797.0	796.2	794.7	794.0	792.4
5°	815.0	812.8	810.6	809.7	806.7	803.7	801.5	797.7	794.7	789.4	787.9
7.5°	824.1	818.9	815.9	815.0	810.6	808.3	803.0	798.4	794.0	787.2	784.9
10°	827.9	822.6	817.3	815.0	809.7	806.0	800.7	794.0	790.2	783.4	781.9
12.5°	832.4	822.6	814.3	808.3	800.7	792.4	787.2	783.4	778.1	774.3	772.8
15°	824.1	811.3	798.4	787.2	775.1	766.0	760.8	754.7	748.7	746.4	746.4
17.5°	801.5	784.9	763.0	748.7	735.9	726.1	719.3	713.3	712.5	709.5	711.0
20°	754.7	732.8	711.8	701.2	693.7	687.7	680.8	677.8	675.5	671.1	669.5
22.5°	689.9	671.8	656.7	649.2	643.1	635.6	629.5	620.5	618.2	613.8	611.5
25°	618.2	603.9	591.1	585.8	582.1	571.5	567.8	555.6	547.4	542.1	545.2
27.5°	546.6	536.1	524.0	517.2	515.0	505.2	501.5	487.9	481.0	481.0	473.5
30°	472.7	462.9	455.4	447.9	446.3	434.3	424.5	419.2	411.7	408.7	403.4
32.5°	403.4	393.6	387.6	383.8	377.7	368.0	358.1	349.1	337.0	332.5	330.3
35°	339.3	331.7	324.2	321.2	313.0	302.4	290.3	282.8	268.4	263.1	260.9
37.5°	290.3	281.2	276.0	267.7	259.4	248.1	239.1	232.2	226.9	224.7	224.7
40°	251.1	244.2	238.2	231.5	224.7	218.7	214.1	212.6	211.9	211.9	213.4
42.5°	221.7	215.6	212.6	208.8	206.6	206.6	205.8	206.6	207.4	208.1	210.4
45°	202.1	198.3	196.8	196.1	197.5	199.1	199.8	201.3	204.4	205.8	206.6
47.5°	191.5	188.5	187.8	188.5	190.8	193.8	196.8	199.1	201.3	202.1	202.8
50°	180.9	177.2	175.6	177.2	180.2	184.8	186.9	190.8	192.2	193.8	192.2
52.5°	171.9	168.9	168.2	168.2	171.2	174.2	177.2	180.2	180.9	180.9	180.2
55°	164.4	162.1	159.9	161.3	163.6	166.6	171.2	173.4	174.9	175.6	175.6
57.5°	158.3	156.1	153.8	155.3	157.6	160.6	165.1	167.4	168.9	171.2	171.9
60°	153.8	150.8	148.5	150.8	153.1	157.6	161.3	163.6	167.4	168.2	168.2
62.5°	149.3	146.3	142.5	144.8	144.8	147.0	150.8	153.8	157.6	159.1	159.1
63°	148.5	145.5	141.8	143.2	143.2	144.8	147.8	150.8	155.3	156.8	156.1
65°	142.5	141.8	138.0	138.0	136.5	138.0	140.2	143.2	145.5	147.8	147.8
67.5°	132.7	131.9	131.2	131.2	131.2	132.7	134.2	136.5	138.8	140.2	139.5
70°	121.3	121.3	121.3	122.2	122.2	123.6	124.5	123.6	125.9	127.5	126.6
72.5°	111.6	110.9	110.1	111.6	110.9	110.9	112.3	111.6	113.9	113.9	114.6
75°	101.0	100.3	100.3	101.0	99.5	98.0	98.8	98.8	99.5	99.5	101.0
77.5°	92.0	92.0	92.0	91.2	89.7	89.0	88.2	88.2	88.2	88.2	89.0
80°	83.7	83.7	83.7	82.9	81.5	79.9	78.4	77.6	76.9	73.2	73.2
82.5°	75.4	75.4	75.4	75.4	74.6	73.2	70.9	64.9	61.9	58.9	59.6
85°	59.6	61.0	62.6	64.9	64.0	64.0	59.6	52.0	47.5	44.5	45.3
87.5°	38.4	33.9	33.9	33.2	31.7	30.2	30.2	25.6	21.1	18.9	19.6
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	791.0	0°
2.5°	792.4	791.0	789.4	789.4	787.2	787.2	785.7	788.7	785.7	783.4	783.4	2.5°
5°	786.4	784.9	780.4	779.6	776.6	776.6	776.6	775.1	775.1	773.6	772.8	5°
7.5°	782.7	778.9	775.1	772.8	772.8	771.3	774.3	772.8	773.6	773.6	774.3	7.5°
10°	779.6	776.6	775.1	774.3	774.3	776.6	778.9	779.6	778.9	779.6	779.6	10°
12.5°	772.1	773.6	774.3	777.4	781.1	785.7	791.0	791.7	793.2	793.2	794.7	12.5°
15°	748.0	751.7	756.3	763.8	773.6	783.4	793.2	801.5	809.0	812.8	815.9	15°
17.5°	714.0	717.8	726.1	734.4	747.3	761.6	778.1	792.4	808.3	822.6	836.9	17.5°
20°	668.1	674.1	676.4	691.4	706.5	726.1	745.7	768.3	795.4	822.6	850.5	20°
22.5°	608.5	615.2	625.8	637.9	653.7	677.8	701.2	736.7	772.8	811.3	855.0	22.5°
25°	542.1	549.6	558.8	571.5	587.4	613.0	646.9	684.7	729.1	779.6	833.9	25°
27.5°	473.5	481.0	488.6	497.6	515.8	542.9	582.8	622.1	671.1	726.1	789.4	27.5°
30°	404.9	405.7	410.2	421.5	440.3	475.8	505.2	554.2	605.5	663.5	736.7	30°
32.5°	329.5	328.7	334.0	343.8	361.9	395.9	432.0	479.6	530.1	603.2	678.5	32.5°
35°	262.4	262.4	272.2	282.0	302.4	326.5	358.1	400.4	459.9	527.8	603.2	35°
37.5°	226.9	232.2	238.2	248.1	263.9	282.8	310.7	347.6	394.3	459.2	528.6	37.5°
40°	215.6	218.7	223.9	233.0	246.5	263.9	284.2	312.1	348.4	400.4	463.7	40°
42.5°	211.1	211.9	214.9	221.7	233.8	251.1	272.2	297.1	324.2	361.1	416.2	42.5°
45°	206.6	205.8	207.4	212.6	222.4	242.1	266.1	293.3	320.4	351.4	396.6	45°
47.5°	202.8	202.8	202.8	205.1	214.1	233.8	261.7	293.3	325.7	360.4	404.9	47.5°
50°	192.2	191.5	191.5	193.1	199.8	220.9	254.1	292.5	334.8	380.0	430.6	50°
52.5°	180.2	180.2	180.9	181.8	187.8	208.8	245.8	292.5	345.3	405.7	469.0	52.5°
55°	176.5	177.2	177.9	177.2	181.8	199.8	236.8	288.0	349.8	426.0	510.5	55°
57.5°	173.4	174.9	174.9	174.2	177.2	192.2	227.7	279.0	346.1	433.6	539.9	57.5°
60°	168.9	168.9	168.9	166.6	168.2	181.8	214.1	264.7	334.0	426.7	544.4	60°
62.5°	159.1	159.1	157.6	156.8	156.1	166.6	196.1	243.5	312.1	408.7	533.1	62.5°
63°	156.8	156.1	156.1	153.8	153.8	163.6	192.2	240.5	306.1	404.1	528.6	63°
65°	148.5	148.5	148.5	147.0	146.3	153.8	177.2	219.4	282.8	383.0	505.9	65°
67.5°	139.5	140.2	138.8	138.0	137.2	141.8	159.9	193.1	246.5	338.5	463.7	67.5°
70°	126.6	127.5	127.5	126.6	125.9	128.9	140.2	165.9	204.4	282.0	395.1	70°
72.5°	115.3	116.9	116.9	118.3	118.3	120.6	125.2	138.0	163.6	220.2	310.7	72.5°
75°	103.3	104.0	105.6	107.0	105.6	104.8	105.6	115.3	128.2	162.9	221.7	75°
77.5°	92.7	95.0	95.0	94.3	92.0	90.5	90.5	95.0	105.6	123.6	158.3	77.5°
80°	76.9	80.7	81.5	79.2	76.9	76.9	78.4	81.5	88.2	101.8	119.9	80°
82.5°	61.9	65.6	66.3	67.2	66.3	68.6	68.6	69.3	73.2	83.7	98.0	82.5°
85°	47.5	50.5	52.7	53.6	54.3	55.0	54.3	50.5	52.7	59.6	66.3	85°
87.5°	21.1	21.9	20.3	21.1	20.3	21.1	21.9	18.1	17.3	23.4	24.1	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°
791.0	791.0	791.0	791.0	791.0	791.0	791.0
782.7	782.7	783.4	781.9	781.9	782.7	780.4
770.6	773.6	773.6	773.6	772.1	773.6	774.3
773.6	775.9	777.4	777.4	776.6	779.6	781.9
777.4	781.1	782.7	782.7	782.7	786.4	791.7
791.7	794.7	797.0	797.0	798.4	803.0	809.0
818.1	821.9	821.9	821.1	825.6	830.9	837.7
847.5	858.0	863.3	862.6	866.3	873.2	880.6
875.3	904.8	917.6	926.6	930.5	939.5	941.8
898.8	947.8	983.2	1013.4	1027.7	1036.8	1047.3
890.5	956.8	1020.1	1082.0	1125.7	1170.2	1189.0
856.6	939.5	1022.4	1112.8	1192.0	1271.2	1328.5
815.0	914.6	1026.2	1154.4	1279.5	1400.9	1497.4
767.6	891.2	1034.5	1192.8	1357.2	1516.3	1655.8
708.0	846.7	1014.1	1196.6	1390.4	1583.4	1764.4
632.6	786.4	966.6	1169.4	1391.9	1612.7	1829.2
557.2	710.3	906.3	1130.3	1372.2	1619.6	1869.9
504.5	642.4	845.2	1080.5	1340.6	1609.0	1889.5
468.2	593.4	791.0	1035.2	1306.6	1590.2	1892.5
465.2	572.3	755.5	1002.1	1279.5	1573.6	1892.5
490.9	583.6	743.4	985.5	1268.2	1568.3	1894.0
539.1	628.8	765.3	998.2	1277.3	1575.1	1900.8
597.2	697.4	824.1	1042.8	1315.8	1597.7	1915.9
649.9	776.6	924.4	1128.7	1385.8	1655.0	1958.1
680.8	844.5	1030.7	1249.3	1505.7	1768.9	2042.6
684.7	882.2	1125.0	1380.5	1651.3	1899.3	2177.5
681.7	885.2	1137.0	1405.5	1682.2	1931.7	2224.2
665.0	885.9	1171.0	1493.0	1789.2	2068.2	2354.7
622.8	861.9	1183.0	1561.6	1924.1	2247.7	2598.2
549.6	793.2	1147.6	1563.0	1976.2	2348.0	2752.1
441.9	662.8	994.5	1422.1	1839.0	2249.1	2712.1
323.4	487.0	751.7	1101.6	1500.4	1872.1	2323.0
214.9	315.1	506.6	784.9	1076.0	1347.4	1672.3
147.8	195.2	296.3	472.0	658.2	790.2	1065.4
108.6	128.9	164.4	241.2	316.7	389.8	556.5
67.9	73.9	82.2	119.2	170.4	229.9	346.8
18.1	18.9	17.3	23.4	37.0	35.4	39.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)