

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: P141572

Luminaire Tested: **ECM-E04-LED-E1-SLR-7060**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141572
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ECM-E04-LED-E1-SLR-7060
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (84) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10735.2 lumens
Efficiency: N/A
Efficacy: 110.4 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

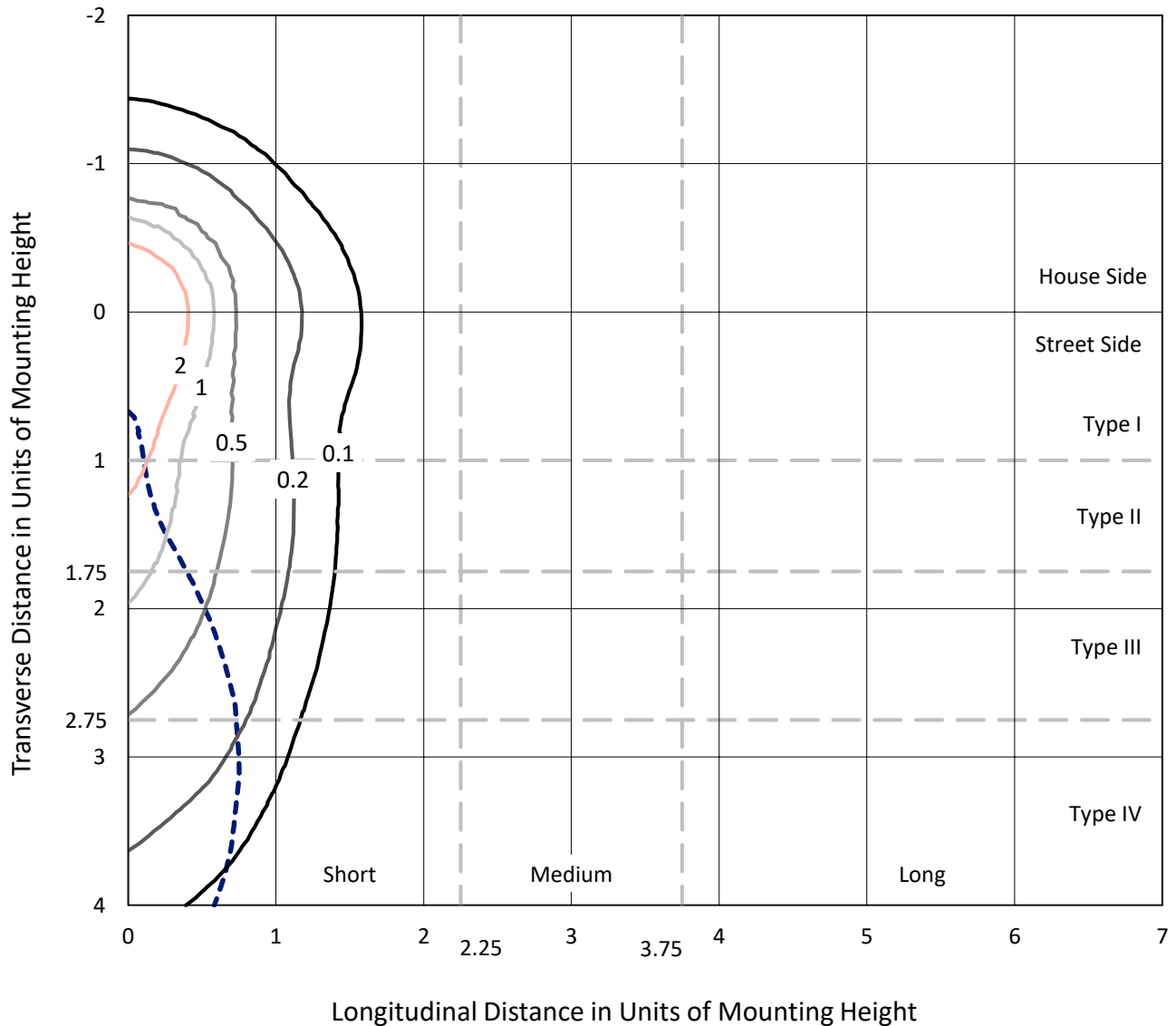
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

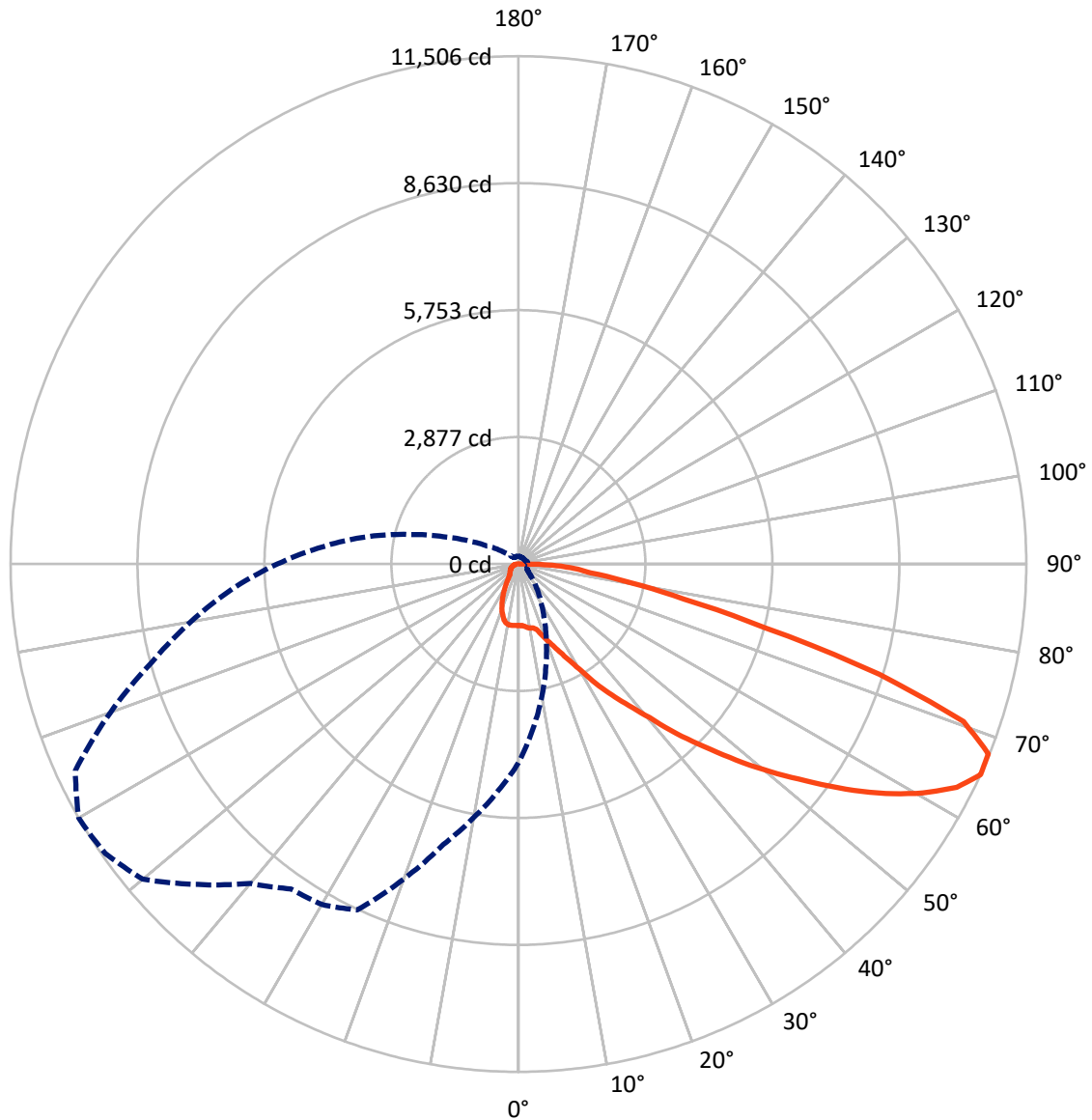
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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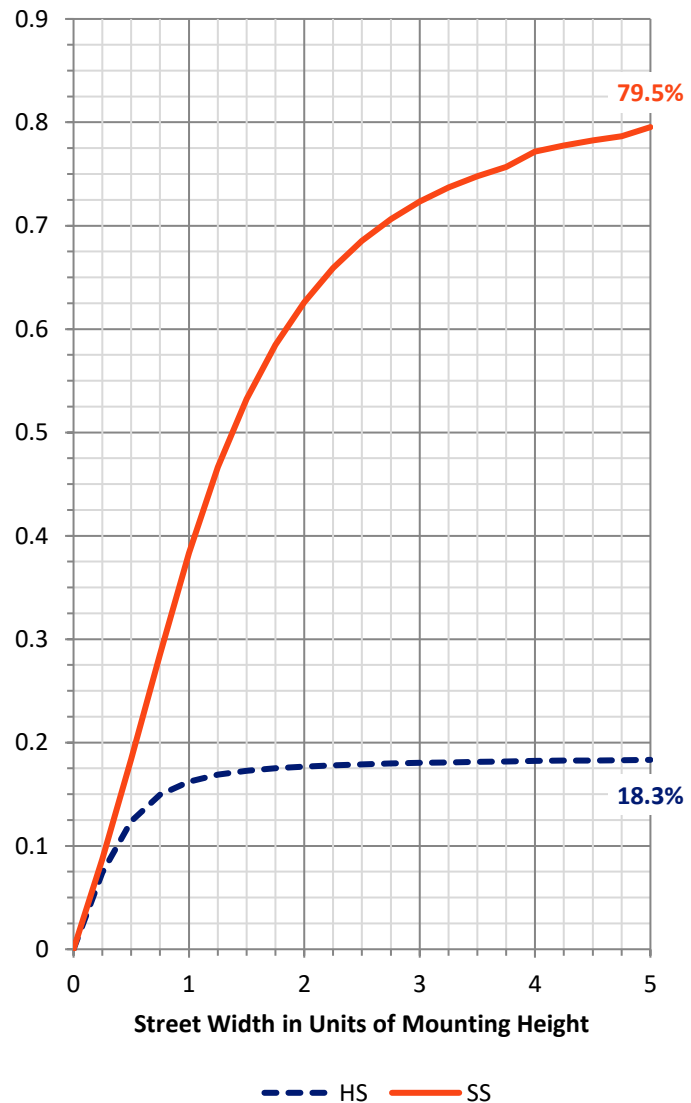
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1991.1	0.0	1991.1
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	8744.1	0.0	8744.1
	% Fixture	81.5	0.0	81.5
Total	Lumens	10735.2	0.0	10735.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.0	1.3
10°-20°	405.5	3.8
20°-30°	673.7	6.3
30°-40°	984.8	9.2
40°-50°	1498.1	14.0
50°-60°	2153.4	20.1
60°-70°	2647.6	24.7
70°-80°	1771.1	16.5
80°-90°	466.0	4.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10735.2	100.0
0°-180°	10735.2	100.0



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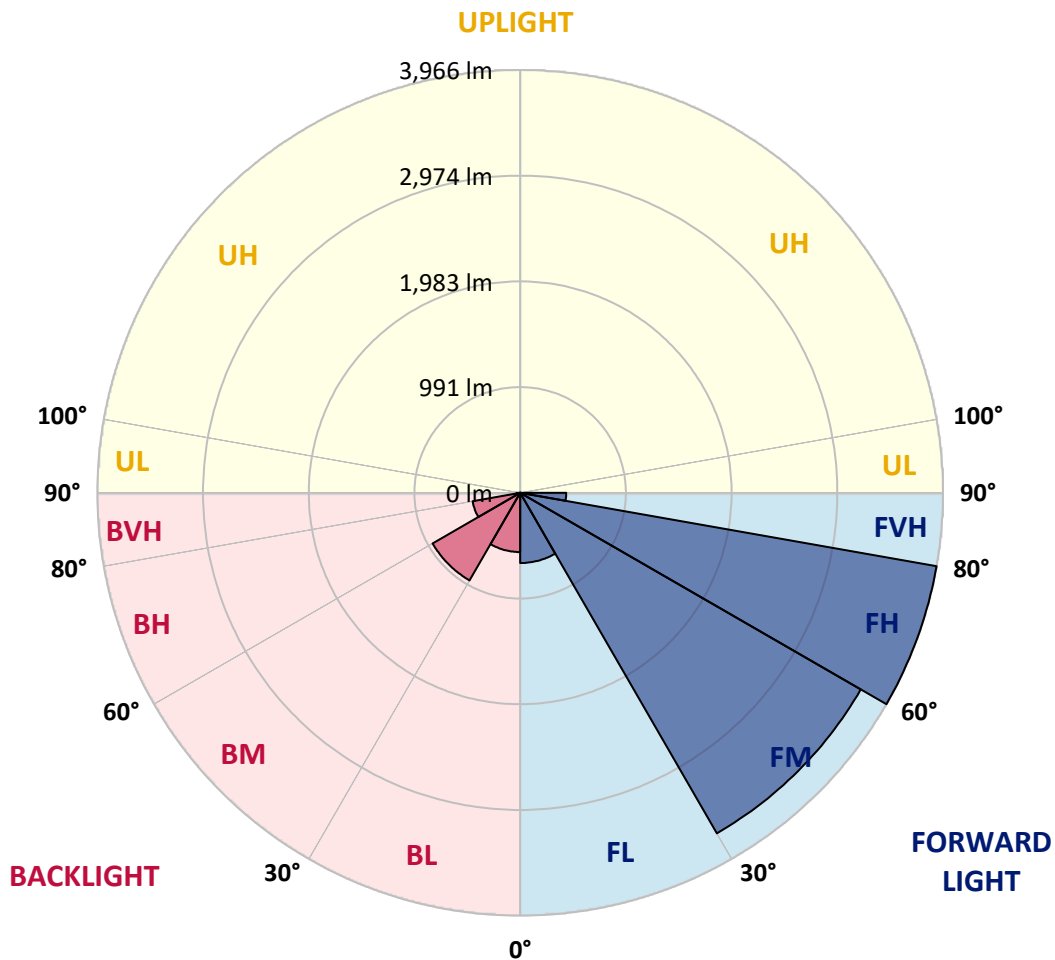
CATALOG NUMBER: ECM-E04-LED-E1-SLR-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	658.5	6.1			
FM (30°-60°)	3687.9	34.4			
FH (60°-80°)	3965.6	36.9			G2/5000
FVH (80°-90°)	432.1	4.0			G3/500
BL (0°-30°)	555.7	5.2	B2/1000		
BM (30°-60°)	948.4	8.8	B1/1000		
BH (60°-80°)	453.1	4.2	B1/500		G1/500
BVH (80°-90°)	33.9	0.3			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°	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5
2.5°	1396.9	1401.0	1401.0	1398.2	1396.9	1398.2	1399.6	1398.2	1399.6	1402.3	1401.0
5°	1379.1	1381.8	1383.2	1383.2	1383.2	1385.9	1390.0	1388.7	1392.8	1395.5	1395.5
7.5°	1336.7	1342.1	1342.1	1343.5	1346.3	1350.4	1357.2	1359.9	1366.8	1376.3	1379.1
10°	1310.7	1312.0	1307.9	1306.6	1309.3	1317.5	1321.6	1328.5	1339.4	1350.4	1361.3
12.5°	1317.5	1318.9	1312.0	1313.4	1313.4	1317.5	1329.8	1335.3	1339.4	1346.3	1357.2
15°	1373.6	1373.6	1365.4	1368.1	1369.5	1375.0	1375.0	1365.4	1362.7	1355.8	1350.4
17.5°	1448.9	1437.9	1436.5	1435.2	1440.7	1435.2	1422.9	1401.0	1375.0	1347.6	1325.7
20°	1526.8	1528.2	1520.0	1518.6	1503.6	1484.4	1448.9	1405.1	1358.6	1316.2	1272.4
22.5°	1643.1	1645.9	1630.8	1600.7	1567.9	1517.3	1453.0	1385.9	1318.9	1260.1	1209.4
25°	1819.6	1790.9	1756.7	1693.8	1610.3	1521.4	1432.4	1349.0	1261.4	1183.4	1119.1
27.5°	1994.7	1937.3	1845.6	1743.0	1625.4	1510.4	1405.1	1292.9	1188.9	1094.5	1020.6
30°	2157.6	2050.8	1919.5	1773.1	1622.6	1474.9	1340.8	1213.5	1090.4	989.2	901.6
32.5°	2323.1	2167.1	1985.2	1780.0	1581.6	1405.1	1250.5	1104.1	982.3	859.2	764.8
35°	2531.1	2295.7	2024.8	1754.0	1510.4	1295.6	1130.1	990.5	859.2	734.7	636.2
37.5°	2721.2	2398.4	2045.4	1710.2	1417.4	1182.1	1000.1	857.8	734.7	629.3	544.5
40°	2860.8	2465.4	2042.6	1654.1	1323.0	1065.8	886.6	757.9	647.1	563.7	498.0
42.5°	2970.2	2503.7	2029.0	1600.7	1240.9	981.0	812.7	695.0	607.5	540.4	489.8
45°	3045.5	2531.1	2020.7	1558.3	1186.2	939.9	788.0	689.5	615.7	555.5	498.0
47.5°	3111.2	2562.5	2018.0	1539.2	1173.9	952.2	820.9	732.0	651.2	573.3	496.6
50°	3176.8	2594.0	2042.6	1570.6	1220.4	1020.6	897.5	783.9	673.1	567.8	473.4
52.5°	3267.1	2685.7	2134.3	1660.9	1321.6	1116.4	970.0	826.4	677.2	554.1	451.5
55°	3402.6	2827.9	2265.6	1780.0	1431.1	1220.4	1028.8	842.8	673.1	539.0	431.0
57.5°	3624.2	3037.3	2444.9	1945.5	1573.4	1301.1	1061.7	849.6	663.5	522.6	414.5
60°	3904.7	3276.7	2670.6	2119.2	1695.1	1357.2	1075.4	846.9	649.9	503.5	391.3
62.5°	4223.4	3539.4	2874.5	2278.0	1782.7	1383.2	1069.9	825.0	618.4	463.8	358.5
65°	4503.9	3748.7	3045.5	2405.2	1837.4	1383.2	1035.7	774.4	562.3	407.7	316.0
67.5°	4733.8	3925.2	3176.8	2479.1	1842.9	1335.3	953.6	682.7	473.4	337.9	266.8
70°	4854.2	3981.3	3217.9	2470.9	1751.2	1197.1	803.1	530.8	347.5	262.7	214.8
72.5°	4721.5	3848.6	3042.7	2232.8	1461.2	893.4	562.3	361.2	249.0	203.9	177.9
75°	4201.6	3265.8	2532.4	1726.6	1046.6	556.8	348.9	253.1	197.0	169.6	156.0
77.5°	3137.1	2433.9	1743.0	1093.1	599.2	337.9	244.9	192.9	165.5	149.1	136.8
80°	1972.9	1499.5	1048.0	602.0	342.0	249.0	203.9	172.4	150.5	130.0	117.7
82.5°	1098.6	799.0	533.6	343.4	238.1	201.1	176.5	158.7	134.1	113.6	101.2
85°	751.1	493.9	336.6	225.7	164.2	146.4	131.3	120.4	102.6	86.2	79.4
87.5°	305.1	284.6	206.6	90.3	67.0	60.2	53.4	65.7	54.7	42.4	39.7
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°	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5
2.5°	1403.7	1401.0	1402.3	1401.0	1399.6	1398.2	1396.9	1398.2	1395.5	1396.9	1396.9
5°	1399.6	1396.9	1401.0	1399.6	1396.9	1396.9	1395.5	1395.5	1395.5	1395.5	1396.9
7.5°	1387.3	1387.3	1391.4	1391.4	1388.7	1388.7	1385.9	1384.6	1384.6	1385.9	1388.7
10°	1370.9	1375.0	1381.8	1379.1	1373.6	1370.9	1366.8	1364.0	1362.7	1365.4	1368.1
12.5°	1358.6	1361.3	1357.2	1353.1	1344.9	1335.3	1333.9	1327.1	1323.0	1329.8	1329.8
15°	1338.0	1327.1	1312.0	1298.4	1279.2	1269.6	1258.7	1256.0	1246.4	1247.7	1254.6
17.5°	1294.3	1265.5	1242.3	1228.6	1212.2	1205.3	1193.0	1186.2	1179.3	1172.5	1176.6
20°	1232.7	1201.2	1171.1	1153.3	1127.3	1121.9	1101.4	1101.4	1093.1	1094.5	1102.7
22.5°	1154.7	1106.8	1068.5	1046.6	1019.3	1008.3	998.7	991.9	987.8	996.0	986.4
25°	1052.1	994.6	959.1	927.6	897.5	886.6	874.2	870.1	871.5	866.0	875.6
27.5°	946.8	875.6	837.3	801.7	779.8	760.7	751.1	748.4	742.9	757.9	749.7
30°	814.0	749.7	704.6	667.7	641.7	632.1	622.5	619.8	628.0	617.0	611.6
32.5°	680.0	610.2	571.9	540.4	521.3	502.1	499.4	493.9	484.3	496.6	493.9
35°	558.2	499.4	459.7	440.5	414.5	406.3	389.9	385.8	387.2	389.9	388.6
37.5°	484.3	443.3	407.7	381.7	362.6	351.6	346.1	340.7	340.7	337.9	336.6
40°	450.1	415.9	383.1	358.5	343.4	335.2	329.7	324.2	320.1	316.0	311.9
42.5°	444.6	403.6	366.7	342.0	328.4	325.6	324.2	320.1	314.7	307.8	302.4
45°	440.5	388.6	350.2	328.4	318.8	317.4	317.4	313.3	309.2	302.4	294.2
47.5°	426.9	369.4	332.5	316.0	311.9	313.3	311.9	307.8	305.1	298.3	288.7
50°	396.8	340.7	305.1	292.8	291.4	290.0	290.0	288.7	285.9	280.5	270.9
52.5°	370.8	314.7	285.9	277.7	275.0	275.0	272.3	270.9	265.4	261.3	254.5
55°	354.3	301.0	276.4	270.9	270.9	269.5	266.8	262.7	258.6	253.1	244.9
57.5°	339.3	290.0	269.5	265.4	266.8	265.4	262.7	259.9	254.5	247.6	238.1
60°	317.4	273.6	255.8	254.5	257.2	259.9	258.6	257.2	253.1	243.5	229.8
62.5°	285.9	246.3	232.6	235.3	238.1	240.8	239.4	238.1	234.0	225.7	213.4
65°	254.5	225.7	217.5	220.3	223.0	223.0	223.0	220.3	217.5	208.0	198.4
67.5°	224.4	206.6	203.9	206.6	208.0	208.0	209.3	206.6	202.5	195.6	186.1
70°	191.5	183.3	183.3	186.1	187.4	186.1	187.4	183.3	179.2	175.1	165.5
72.5°	171.0	171.0	169.6	169.6	169.6	166.9	165.5	162.8	158.7	154.6	146.4
75°	151.9	151.9	150.5	153.2	147.8	143.7	142.3	139.6	135.4	130.0	124.5
77.5°	130.0	127.2	127.2	131.3	130.0	124.5	120.4	119.0	113.6	108.1	105.3
80°	112.2	109.5	109.5	108.1	105.3	104.0	98.5	93.0	91.7	91.7	87.6
82.5°	98.5	97.1	93.0	90.3	86.2	82.1	78.0	75.2	71.1	69.8	71.1
85°	78.0	79.4	75.2	72.5	68.4	62.9	58.8	56.1	53.4	53.4	58.8
87.5°	45.1	42.4	42.4	41.0	39.7	35.6	35.6	31.5	30.1	38.3	39.7
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°	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5
2.5°	1398.2	1398.2	1394.1	1396.9	1395.5	1396.9	1402.3	1396.9	1395.5	1399.6	1403.7
5°	1398.2	1401.0	1396.9	1399.6	1399.6	1403.7	1410.6	1406.4	1409.2	1414.7	1420.1
7.5°	1392.8	1396.9	1396.9	1402.3	1406.4	1413.3	1422.9	1420.1	1425.6	1433.8	1440.7
10°	1377.7	1384.6	1391.4	1399.6	1409.2	1420.1	1433.8	1433.8	1439.3	1450.2	1457.1
12.5°	1340.8	1358.6	1366.8	1385.9	1401.0	1417.4	1432.4	1442.0	1446.1	1455.7	1463.9
15°	1266.9	1288.8	1305.2	1328.5	1353.1	1376.3	1402.3	1411.9	1420.1	1424.2	1428.3
17.5°	1182.1	1197.1	1208.1	1238.2	1265.5	1287.4	1312.0	1324.4	1333.9	1333.9	1336.7
20°	1112.3	1119.1	1121.9	1121.9	1138.3	1158.8	1190.3	1186.2	1194.4	1186.2	1194.4
22.5°	1004.2	993.3	998.7	998.7	1009.7	1005.6	1017.9	1038.4	1035.7	1041.2	1064.4
25°	872.9	874.2	864.7	864.7	866.0	868.8	874.2	879.7	898.9	919.4	934.4
27.5°	748.4	745.6	738.8	733.3	727.9	737.4	744.3	742.9	770.3	786.7	814.0
30°	611.6	611.6	612.9	610.2	615.7	608.8	619.8	622.5	645.8	663.5	688.2
32.5°	498.0	500.7	500.7	499.4	508.9	502.1	507.6	514.4	529.5	544.5	556.8
35°	395.4	399.5	410.4	414.5	418.7	413.2	420.0	428.2	429.6	443.3	452.9
37.5°	335.2	342.0	343.4	346.1	346.1	350.2	351.6	357.1	357.1	361.2	363.9
40°	309.2	306.5	305.1	303.7	301.0	302.4	303.7	307.8	309.2	311.9	311.9
42.5°	296.9	292.8	285.9	281.8	276.4	276.4	276.4	276.4	280.5	283.2	283.2
45°	285.9	279.1	272.3	265.4	261.3	258.6	259.9	261.3	264.1	265.4	266.8
47.5°	279.1	269.5	258.6	251.7	247.6	244.9	246.3	247.6	247.6	249.0	250.4
50°	259.9	250.4	240.8	234.0	229.8	228.5	228.5	227.1	228.5	229.8	229.8
52.5°	244.9	235.3	227.1	220.3	216.2	216.2	214.8	212.1	213.4	212.1	213.4
55°	236.7	224.4	214.8	208.0	203.9	203.9	201.1	202.5	202.5	199.7	201.1
57.5°	227.1	214.8	206.6	198.4	192.9	192.9	191.5	192.9	194.3	190.2	190.2
60°	217.5	206.6	197.0	190.2	183.3	184.7	183.3	186.1	186.1	182.0	182.0
62.5°	199.7	190.2	184.7	180.6	175.1	176.5	176.5	180.6	176.5	173.8	172.4
65°	186.1	179.2	171.0	171.0	165.5	168.3	168.3	168.3	164.2	162.8	164.2
67.5°	176.5	168.3	162.8	157.3	153.2	154.6	151.9	151.9	150.5	149.1	151.9
70°	158.7	151.9	149.1	143.7	140.9	136.8	135.4	135.4	135.4	134.1	135.4
72.5°	140.9	135.4	132.7	127.2	124.5	121.8	120.4	119.0	117.7	119.0	119.0
75°	119.0	116.3	113.6	110.8	108.1	106.7	105.3	105.3	104.0	102.6	104.0
77.5°	102.6	98.5	97.1	94.4	95.8	91.7	90.3	91.7	91.7	91.7	93.0
80°	87.6	84.8	84.8	82.1	80.7	78.0	79.4	79.4	79.4	79.4	80.7
82.5°	76.6	73.9	73.9	72.5	68.4	65.7	67.0	69.8	69.8	68.4	71.1
85°	62.9	60.2	60.2	58.8	53.4	52.0	50.6	53.4	54.7	52.0	54.7
87.5°	41.0	38.3	36.9	36.9	31.5	21.9	28.7	31.5	31.5	26.0	30.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5
2.5°	1402.3	1405.1	1405.1	1407.8	1413.3	1407.8	1405.1	1409.2	1409.2	1407.8	1407.8
5°	1420.1	1425.6	1427.0	1435.2	1439.3	1436.5	1439.3	1442.0	1443.4	1440.7	1443.4
7.5°	1443.4	1450.2	1457.1	1466.6	1474.9	1473.5	1477.6	1483.1	1484.4	1484.4	1487.2
10°	1462.5	1472.1	1479.0	1491.3	1500.9	1503.6	1507.7	1514.5	1521.4	1521.4	1526.8
12.5°	1466.6	1477.6	1484.4	1495.4	1511.8	1517.3	1526.8	1543.3	1550.1	1555.6	1559.7
15°	1431.1	1440.7	1450.2	1465.3	1484.4	1500.9	1522.7	1546.0	1566.5	1581.6	1587.0
17.5°	1338.0	1339.4	1349.0	1370.9	1410.6	1428.3	1455.7	1503.6	1532.3	1559.7	1585.7
20°	1201.2	1227.2	1236.8	1265.5	1303.8	1331.2	1362.7	1406.4	1450.2	1499.5	1543.3
22.5°	1080.8	1115.0	1142.4	1176.6	1208.1	1239.5	1279.2	1317.5	1365.4	1413.3	1465.3
25°	957.7	989.2	1027.5	1064.4	1101.4	1141.0	1190.3	1231.3	1279.2	1335.3	1401.0
27.5°	838.7	871.5	913.9	957.7	987.8	1041.2	1082.2	1142.4	1197.1	1258.7	1332.6
30°	714.2	745.6	766.2	814.0	856.5	909.8	972.7	1031.6	1097.2	1165.7	1251.8
32.5°	578.7	597.9	626.6	659.4	708.7	764.8	830.5	893.4	983.7	1068.5	1150.6
35°	463.8	473.4	472.0	508.9	530.8	597.9	680.0	740.2	830.5	934.4	1042.5
37.5°	365.3	363.9	372.1	377.6	405.0	448.8	513.1	591.0	695.0	807.2	915.3
40°	311.9	313.3	314.7	314.7	320.1	348.9	406.3	487.1	586.9	686.8	805.8
42.5°	287.3	290.0	291.4	294.2	296.9	306.5	347.5	422.8	507.6	614.3	721.0
45°	269.5	273.6	277.7	277.7	280.5	283.2	306.5	363.9	448.8	550.0	662.2
47.5°	254.5	258.6	261.3	262.7	265.4	268.2	280.5	320.1	402.2	493.9	610.2
50°	232.6	236.7	239.4	243.5	243.5	243.5	251.7	280.5	343.4	433.7	547.3
52.5°	214.8	217.5	221.6	224.4	225.7	227.1	231.2	247.6	295.5	380.3	487.1
55°	205.2	208.0	212.1	214.8	217.5	218.9	221.6	228.5	262.7	335.2	435.1
57.5°	192.9	197.0	202.5	205.2	208.0	209.3	210.7	213.4	236.7	291.4	373.5
60°	184.7	191.5	198.4	202.5	203.9	205.2	206.6	203.9	213.4	247.6	311.9
62.5°	175.1	182.0	187.4	192.9	194.3	195.6	197.0	192.9	191.5	208.0	243.5
65°	166.9	171.0	175.1	179.2	179.2	180.6	179.2	173.8	169.6	169.6	186.1
67.5°	156.0	158.7	162.8	164.2	164.2	164.2	162.8	161.4	154.6	151.9	154.6
70°	139.6	143.7	147.8	150.5	150.5	149.1	147.8	143.7	140.9	138.2	140.9
72.5°	124.5	130.0	131.3	132.7	131.3	131.3	131.3	128.6	130.0	130.0	131.3
75°	109.5	112.2	112.2	114.9	114.9	114.9	114.9	114.9	117.7	116.3	117.7
77.5°	93.0	94.4	97.1	97.1	97.1	98.5	101.2	101.2	104.0	105.3	105.3
80°	80.7	78.0	78.0	76.6	78.0	80.7	83.5	88.9	88.9	90.3	91.7
82.5°	64.3	58.8	56.1	58.8	58.8	60.2	65.7	71.1	71.1	75.2	76.6
85°	49.3	42.4	36.9	39.7	39.7	42.4	47.9	50.6	54.7	56.1	54.7
87.5°	28.7	24.6	16.4	13.7	16.4	20.5	21.9	24.6	20.5	23.3	24.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5
2.5°	1410.6	1410.6	1403.7	1403.7	1405.1	1407.8	1401.0	1399.6	1401.0	1399.6	1398.2
5°	1447.5	1443.4	1442.0	1439.3	1437.9	1440.7	1433.8	1433.8	1432.4	1429.7	1425.6
7.5°	1488.5	1485.8	1483.1	1480.3	1477.6	1479.0	1472.1	1470.8	1469.4	1468.0	1463.9
10°	1526.8	1522.7	1520.0	1513.2	1507.7	1502.2	1488.5	1484.4	1480.3	1477.6	1476.2
12.5°	1558.3	1554.2	1544.6	1532.3	1524.1	1510.4	1499.5	1489.9	1485.8	1481.7	1483.1
15°	1588.4	1580.2	1567.9	1552.8	1544.6	1530.9	1522.7	1518.6	1515.9	1513.2	1515.9
17.5°	1598.0	1600.7	1593.9	1589.8	1584.3	1578.8	1580.2	1584.3	1592.5	1592.5	1592.5
20°	1580.2	1610.3	1629.5	1644.5	1656.8	1665.0	1666.4	1670.5	1680.1	1684.2	1704.7
22.5°	1537.8	1615.8	1680.1	1732.1	1764.9	1775.8	1788.2	1801.8	1803.2	1807.3	1826.5
25°	1498.1	1611.7	1707.4	1789.5	1866.1	1919.5	1949.6	1977.0	1983.8	1989.3	1989.3
27.5°	1428.3	1554.2	1677.3	1786.8	1892.1	1981.1	2050.8	2122.0	2171.2	2189.0	2215.0
30°	1354.5	1487.2	1614.4	1752.6	1886.7	2011.2	2137.0	2252.0	2332.7	2392.9	2440.8
32.5°	1261.4	1405.1	1550.1	1700.6	1860.7	2016.6	2184.9	2351.8	2505.1	2625.5	2699.3
35°	1164.3	1314.8	1465.3	1630.8	1811.4	2000.2	2215.0	2436.7	2641.9	2837.5	3005.8
37.5°	1057.6	1199.9	1364.0	1552.8	1747.1	1972.9	2223.2	2498.2	2782.8	3063.3	3280.8
40°	935.8	1074.0	1232.7	1431.1	1666.4	1920.9	2219.1	2546.1	2903.2	3252.1	3602.3
42.5°	852.4	979.6	1131.5	1331.2	1570.6	1862.0	2202.7	2589.9	3012.6	3445.0	3885.5
45°	789.4	913.9	1063.0	1254.6	1498.1	1804.6	2197.2	2639.1	3127.6	3622.8	4137.3
47.5°	734.7	863.3	1007.0	1195.8	1431.1	1752.6	2184.9	2680.2	3223.3	3759.7	4356.2
50°	681.3	812.7	960.4	1150.6	1381.8	1696.5	2157.6	2717.1	3313.6	3901.9	4536.8
52.5°	622.5	752.5	911.2	1105.5	1350.4	1660.9	2128.8	2747.2	3401.2	4053.8	4724.2
55°	559.6	690.9	846.9	1052.1	1307.9	1633.6	2100.1	2766.4	3492.9	4190.6	4892.5
57.5°	491.2	622.5	774.4	983.7	1256.0	1596.6	2068.6	2765.0	3559.9	4319.2	5074.4
60°	407.7	526.7	677.2	887.9	1165.7	1544.6	2042.6	2754.1	3607.8	4432.8	5276.9
62.5°	310.6	411.8	550.0	747.0	1035.7	1444.8	1974.2	2707.6	3613.3	4514.9	5445.2
65°	221.6	276.4	385.8	582.8	822.3	1221.7	1808.7	2584.4	3523.0	4456.0	5460.2
67.5°	169.6	199.7	253.1	370.8	582.8	930.3	1524.1	2308.1	3242.5	4142.7	5208.5
70°	146.4	161.4	190.2	242.2	365.3	603.4	1079.5	1823.7	2670.6	3564.0	4473.8
72.5°	135.4	145.0	162.8	188.8	232.6	355.7	664.9	1225.9	1961.9	2717.1	3513.4
75°	124.5	134.1	147.8	164.2	186.1	238.1	362.6	721.0	1210.8	1795.0	2361.4
77.5°	110.8	119.0	136.8	151.9	165.5	186.1	231.2	400.9	666.3	1074.0	1413.3
80°	93.0	101.2	114.9	138.2	151.9	165.5	180.6	246.3	368.0	555.5	725.1
82.5°	76.6	80.7	91.7	112.2	124.5	131.3	135.4	160.1	209.3	273.6	399.5
85°	53.4	53.4	61.6	72.5	82.1	76.6	78.0	82.1	108.1	151.9	306.5
87.5°	20.5	15.0	19.2	23.3	23.3	21.9	26.0	24.6	34.2	64.3	87.6
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°	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	0°
2.5°	1398.2	1398.2	1396.9	1395.5	1394.1	1394.1	1391.4	1395.5	1394.1	1395.5	1396.9	2.5°
5°	1427.0	1424.2	1421.5	1418.8	1418.8	1416.0	1411.9	1410.6	1405.1	1403.7	1399.6	5°
7.5°	1468.0	1468.0	1468.0	1465.3	1459.8	1453.0	1444.8	1439.3	1424.2	1413.3	1401.0	7.5°
10°	1479.0	1481.7	1483.1	1484.4	1479.0	1477.6	1468.0	1457.1	1439.3	1422.9	1406.4	10°
12.5°	1483.1	1488.5	1489.9	1491.3	1487.2	1484.4	1474.9	1468.0	1453.0	1436.5	1428.3	12.5°
15°	1521.4	1530.9	1541.9	1540.5	1552.8	1539.2	1530.9	1532.3	1515.9	1498.1	1492.6	15°
17.5°	1619.9	1624.0	1647.2	1648.6	1667.8	1673.2	1659.6	1644.5	1634.9	1624.0	1600.7	17.5°
20°	1726.6	1756.7	1764.9	1805.9	1825.1	1834.7	1836.0	1836.0	1818.3	1770.4	1751.2	20°
22.5°	1842.9	1888.0	1937.3	1963.3	2003.0	2008.4	2029.0	2016.6	2003.0	1966.0	1922.2	22.5°
25°	2030.3	2056.3	2100.1	2165.8	2184.9	2224.6	2216.4	2234.2	2204.1	2139.8	2113.8	25°
27.5°	2239.6	2284.8	2346.4	2407.9	2435.3	2479.1	2451.7	2479.1	2429.8	2412.0	2349.1	27.5°
30°	2468.1	2529.7	2639.1	2715.8	2771.9	2802.0	2784.2	2769.1	2755.4	2722.6	2718.5	30°
32.5°	2748.6	2822.5	2926.5	3026.3	3124.8	3227.4	3252.1	3274.0	3324.6	3224.7	3127.6	32.5°
35°	3094.7	3150.8	3267.1	3382.0	3517.5	3646.1	3858.2	3911.5	3843.1	3724.1	3568.1	35°
37.5°	3432.7	3559.9	3676.2	3813.0	3914.3	4062.0	4156.4	4261.8	4204.3	4093.5	3914.3	37.5°
40°	3847.2	4019.6	4178.3	4346.6	4461.5	4576.4	4754.3	4869.2	4858.3	4720.1	4477.9	40°
42.5°	4227.6	4501.2	4763.9	4889.7	5043.0	5250.9	5382.3	5565.6	5577.9	5417.8	5110.0	42.5°
45°	4625.7	4944.5	5264.6	5512.2	5642.2	5899.4	6200.4	6400.2	6461.7	6156.6	5842.0	45°
47.5°	4937.6	5434.3	5863.9	6127.9	6370.1	6635.5	7022.7	7311.3	7286.7	6874.9	6459.0	47.5°
50°	5211.2	5843.3	6363.2	6798.3	7088.3	7394.8	7905.1	8249.9	8129.5	7605.5	7085.6	50°
52.5°	5458.9	6200.4	6843.4	7382.5	7720.4	8158.2	8802.6	9103.6	8761.6	8255.4	7612.3	52.5°
55°	5686.0	6523.3	7270.3	7918.8	8440.1	9005.1	9609.8	9816.4	9329.4	8704.1	8113.1	55°
57.5°	5895.3	6822.9	7663.0	8441.4	9140.5	9815.0	10341.8	10355.5	9743.9	9050.2	8486.6	57.5°
60°	6147.1	7097.9	8073.4	8983.2	9835.6	10536.1	10843.9	10746.7	10010.7	9308.8	8743.8	60°
62.5°	6390.6	7345.5	8408.6	9504.5	10531.9	11143.5	11205.1	10999.9	10194.0	9429.2	8936.7	62.5°
65°	6511.0	7534.4	8596.0	9835.6	11076.5	11506.1	11430.8	11109.3	10267.9	9447.0	8985.9	65°
67.5°	6334.5	7357.9	8416.8	9691.9	11073.7	11482.8	11288.5	10900.0	10088.7	9204.8	8757.5	67.5°
70°	5684.6	6676.5	7539.8	8739.7	10293.9	10697.5	10406.1	10021.6	9343.0	8478.4	8274.5	70°
72.5°	4783.0	5519.1	6241.5	7128.0	8193.8	8546.8	8162.3	8353.9	8178.7	7341.4	7155.4	72.5°
75°	3590.0	4278.2	4560.0	4832.3	5568.3	5779.0	5631.3	6288.0	6467.2	6118.3	5643.6	75°
77.5°	2349.1	3071.5	3123.5	3128.9	3429.9	3833.5	4368.5	5051.2	5390.5	5233.1	4657.2	77.5°
80°	1369.5	2164.4	1935.9	1862.0	2128.8	2578.9	3284.9	4140.0	4588.7	4621.6	4071.6	80°
82.5°	688.2	1357.2	1175.2	1162.9	1313.4	1645.9	2161.7	2639.1	3223.3	3250.7	3323.2	82.5°
85°	534.9	933.1	955.0	1035.7	1141.0	1279.2	1317.5	1402.3	1728.0	2029.0	2106.9	85°
87.5°	277.7	686.8	809.9	942.6	930.3	762.1	643.0	693.6	807.2	851.0	1105.5	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°
1395.5	1395.5	1395.5	1395.5	1395.5	1395.5	1395.5
1394.1	1396.9	1395.5	1396.9	1398.2	1398.2	1396.9
1392.8	1391.4	1385.9	1383.2	1383.2	1380.5	1379.1
1384.6	1375.0	1361.3	1353.1	1347.6	1343.5	1336.7
1385.9	1369.5	1351.7	1339.4	1327.1	1318.9	1310.7
1403.7	1383.2	1366.8	1347.6	1338.0	1327.1	1317.5
1465.3	1437.9	1418.8	1401.0	1390.0	1381.8	1373.6
1563.8	1530.9	1499.5	1483.1	1463.9	1450.2	1448.9
1696.5	1648.6	1607.6	1570.6	1552.8	1530.9	1526.8
1847.0	1777.2	1733.4	1692.4	1667.8	1641.8	1643.1
2038.5	1968.8	1897.6	1855.2	1819.6	1823.7	1819.6
2268.4	2213.7	2131.6	2079.6	2068.6	2026.2	1994.7
2626.8	2544.7	2444.9	2351.8	2293.0	2223.2	2157.6
2978.4	2826.6	2693.9	2603.6	2528.3	2425.7	2323.1
3325.9	3150.8	3027.7	2951.1	2834.8	2691.1	2531.1
3739.1	3624.2	3536.6	3349.2	3183.7	2963.4	2721.2
4335.6	4190.6	3981.3	3743.2	3503.8	3191.9	2860.8
4929.4	4754.3	4461.5	4111.3	3767.9	3391.6	2970.2
5573.8	5235.9	4854.2	4430.0	4007.3	3540.7	3045.5
6081.4	5660.0	5183.9	4674.9	4197.5	3663.9	3111.2
6599.9	6091.0	5493.1	4919.8	4369.8	3763.8	3176.8
7007.6	6439.8	5809.1	5142.8	4529.9	3875.9	3267.1
7415.3	6787.3	6092.3	5365.8	4728.3	4031.9	3402.6
7754.6	7102.0	6366.0	5609.4	4958.1	4239.9	3624.2
8202.0	7543.9	6687.5	5898.1	5218.1	4523.1	3904.7
8627.5	8062.5	7134.9	6237.4	5535.5	4843.2	4223.4
8908.0	8648.0	7593.2	6578.0	5833.8	5142.8	4503.9
8913.4	9020.2	8076.1	6854.4	6112.9	5468.5	4733.8
8698.6	9072.1	8178.7	6879.0	6245.6	5613.5	4854.2
7955.7	8431.9	7564.4	6393.3	5999.3	5499.9	4721.5
6153.9	6498.7	6049.9	5419.2	5432.9	5141.5	4201.6
4260.4	4586.0	4208.4	4074.3	4373.9	4211.1	3137.1
3227.4	2807.4	2659.7	2730.8	3104.3	3086.5	1972.9
2874.5	2124.7	1762.2	1849.7	2191.8	2001.6	1098.6
2357.3	2119.2	1771.7	1602.1	1670.5	1366.8	751.1
1357.2	1550.1	1262.8	1190.3	1035.7	615.7	305.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)