

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P723853

Luminaire Tested: **IFLD-M-SA4C-830-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723853
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-830-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	11959.8 lumens	Max Intensity:	281373.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	54.8 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	9.3°H x 8.8°V	Field Angle (10%):	15.8°H x 15.3°V
Beam Lumens:	4337.1 lumens	Field Lumens:	6914.2 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

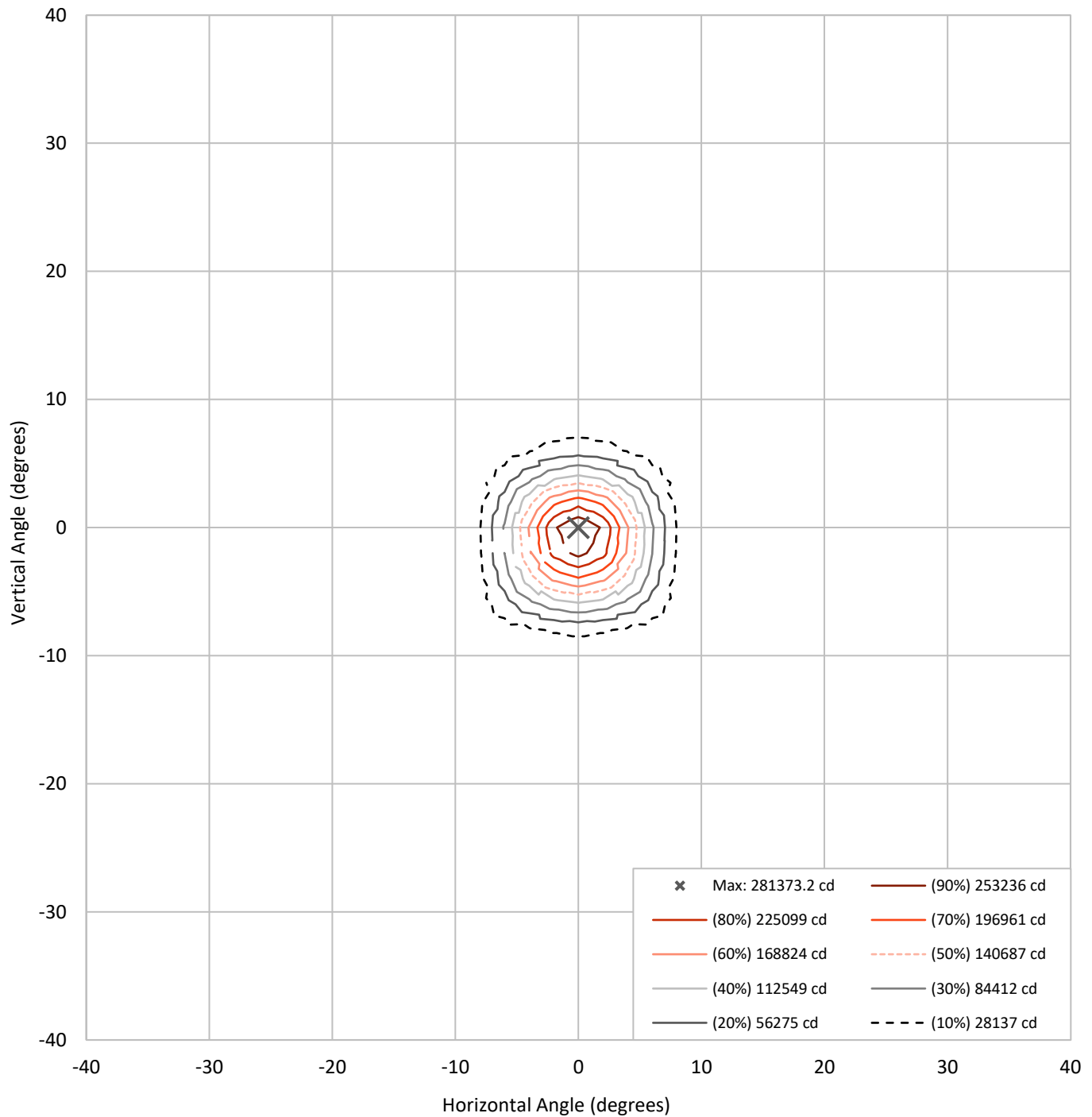
Input Watts (W): 218.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot





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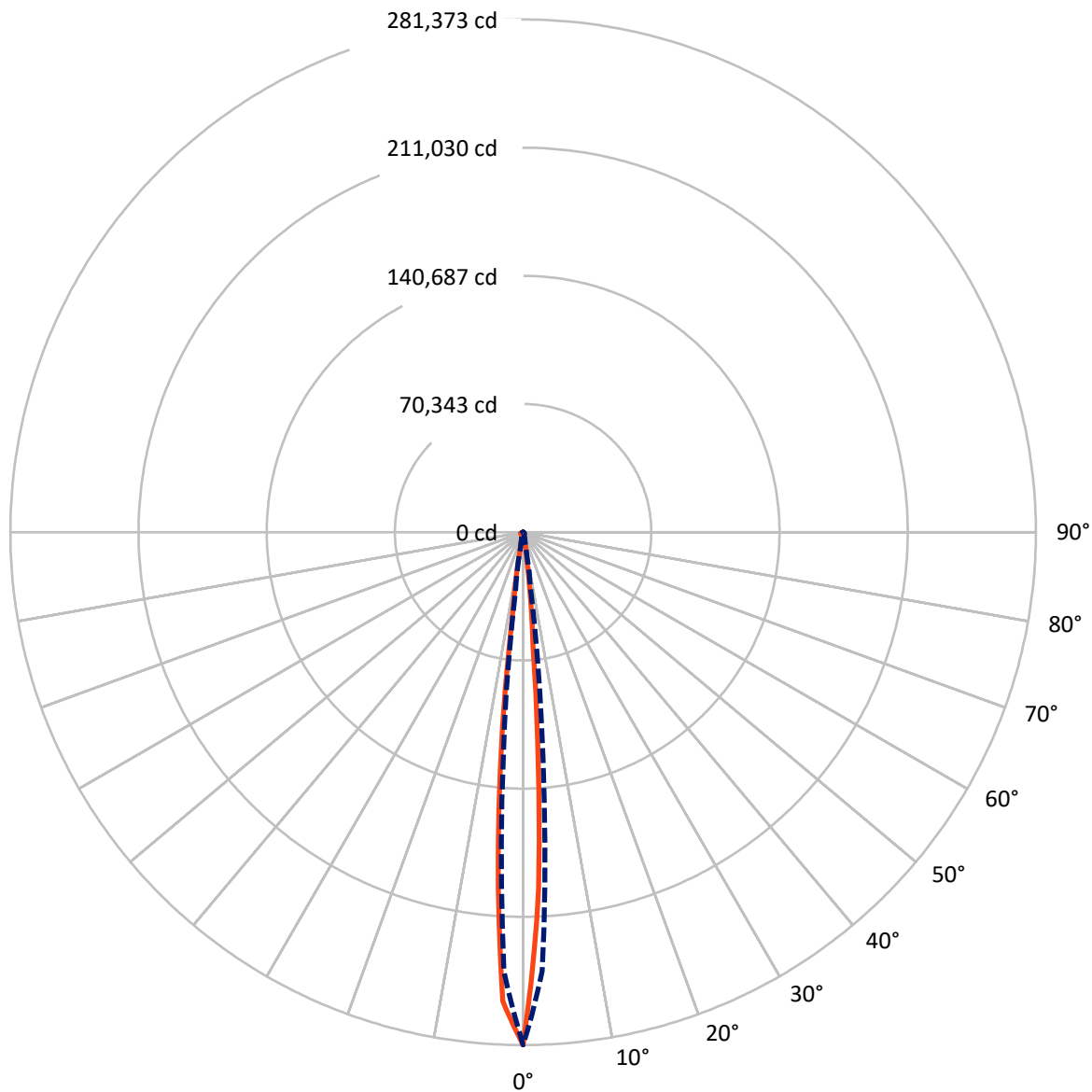
Lumen Table

[illegible]

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Luminous Intensity Polar Plot



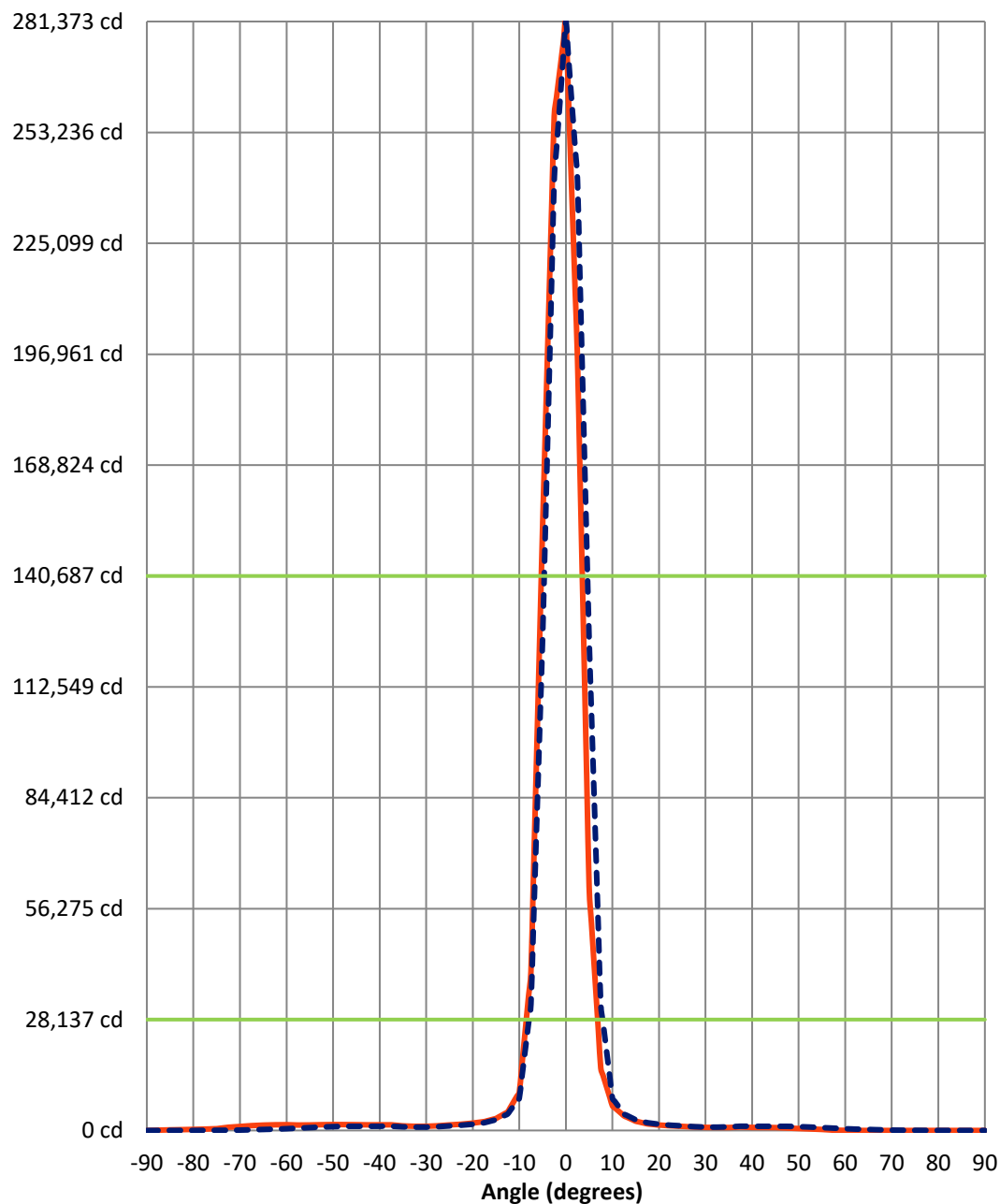
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 4337.1

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 6914.2

Efficiency: 57.8%

Spill:

Lumens: 5045.6

Efficiency: 42.2%

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FIELD

BEAM

CANDELA DISTRIBUTION:

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
85°	0.0	2.8	2.8	5.5	5.5	5.5	8.3	11.0	13.8	13.8	16.6
82.5°	0.0	2.8	2.8	5.5	5.5	8.3	8.3	13.8	16.6	19.3	24.8
80°	2.8	2.8	2.8	5.5	5.5	8.3	8.3	11.0	13.8	19.3	22.1
77.5°	0.0	2.8	2.8	2.8	5.5	5.5	5.5	8.3	11.0	13.8	16.6
75°	0.0	2.8	2.8	2.8	5.5	5.5	5.5	5.5	8.3	8.3	11.0
72.5°	0.0	0.0	0.0	2.8	2.8	5.5	5.5	5.5	8.3	8.3	8.3
70°	0.0	0.0	0.0	2.8	2.8	5.5	5.5	5.5	8.3	8.3	8.3
67.5°	0.0	0.0	0.0	2.8	2.8	5.5	5.5	5.5	8.3	8.3	8.3
65°	0.0	0.0	0.0	2.8	2.8	5.5	5.5	8.3	8.3	8.3	8.3
62.5°	2.8	2.8	2.8	5.5	8.3	8.3	11.0	13.8	13.8	13.8	13.8
60°	27.6	30.4	33.1	33.1	30.4	30.4	33.1	33.1	33.1	33.1	33.1
57.5°	74.5	80.1	82.8	82.8	82.8	80.1	91.1	93.9	82.8	77.3	85.6
55°	259.5	267.8	262.3	254.0	237.4	218.1	212.6	209.8	212.6	198.8	176.7
52.5°	378.2	386.5	383.8	378.2	367.2	353.4	342.4	331.3	320.3	298.2	273.3
50°	491.4	494.2	491.4	485.9	474.9	461.1	439.0	414.1	392.0	386.5	364.4
47.5°	618.4	626.7	626.7	624.0	615.7	590.8	557.7	521.8	505.2	499.7	477.6
45°	731.6	737.2	739.9	742.7	739.9	715.1	684.7	665.4	629.5	618.4	618.4
42.5°	762.0	764.8	767.5	770.3	778.6	759.2	734.4	701.3	693.0	690.2	684.7
40°	773.0	767.5	770.3	773.0	775.8	762.0	742.7	723.4	717.8	712.3	712.3
37.5°	878.0	853.1	833.8	817.2	803.4	789.6	770.3	753.7	739.9	728.9	739.9
35°	748.2	748.2	767.5	784.1	800.7	817.2	820.0	800.7	770.3	756.5	775.8
32.5°	764.8	764.8	764.8	770.3	775.8	789.6	803.4	811.7	833.8	808.9	808.9
30°	781.3	784.1	789.6	792.4	784.1	778.6	773.0	773.0	786.9	822.7	842.1
27.5°	878.0	878.0	869.7	858.6	833.8	795.1	775.8	748.2	751.0	767.5	814.5
25°	1035.3	1029.8	1010.5	982.9	938.7	883.5	831.0	773.0	748.2	739.9	759.2
22.5°	1184.4	1176.1	1151.3	1126.4	1090.6	1035.3	947.0	858.6	781.3	748.2	739.9
20°	1374.9	1355.6	1328.0	1289.3	1231.4	1176.1	1098.8	982.9	869.7	784.1	751.0
17.5°	1681.4	1656.5	1604.1	1535.1	1435.7	1350.1	1239.6	1129.2	1002.2	864.2	789.6
15°	2352.3	2288.8	2197.7	2007.2	1811.1	1648.3	1482.6	1297.6	1167.9	985.6	872.4
12.5°	3699.6	3525.7	3260.6	2816.1	2377.1	1998.9	1731.1	1493.6	1283.8	1115.4	955.3
10°	6261.7	5889.0	5157.3	3942.5	3133.6	2437.9	1957.5	1640.0	1374.9	1201.0	1024.3
7.5°	15836.5	12918.2	9141.3	6242.4	4099.9	2979.0	2239.1	1778.0	1471.6	1256.2	1079.5
5°	61722.4	50844.5	27123.0	11319.6	6167.8	3603.0	2493.1	1888.4	1535.1	1297.6	1120.9
2.5°	195887.8	169162.4	88751.5	24367.6	7573.1	4058.5	2667.0	1957.5	1570.9	1328.0	1151.3
0°	281373.2	241147.1	124557.5	32048.4	8213.6	4174.5	2722.2	1971.3	1576.5	1333.5	1151.3
-2.5°	257408.7	225283.0	120322.3	29823.1	8393.1	4207.6	2766.4	2018.2	1617.9	1358.4	1159.6
-5°	152950.5	134159.9	83933.8	21264.4	7457.2	3906.7	2650.5	1976.8	1590.3	1344.6	1154.1
-7.5°	40297.9	34886.6	22948.5	11096.0	4826.0	3304.8	2435.1	1907.8	1554.4	1319.7	1132.0
-10°	9715.6	9207.6	8224.7	5041.4	3757.6	2760.9	2159.0	1783.5	1482.6	1286.6	1096.1
-12.5°	4685.2	4574.8	4152.4	3423.5	2788.5	2294.3	1954.7	1653.8	1416.3	1228.6	1046.4
-15°	3048.0	2984.5	2841.0	2562.1	2239.1	2001.6	1764.2	1521.2	1333.5	1143.0	1005.0
-17.5°	2255.6	2252.9	2181.1	2076.2	1916.1	1739.4	1565.4	1410.8	1228.6	1065.7	960.8
-20°	1869.1	1869.1	1827.7	1758.7	1645.5	1529.5	1413.6	1270.0	1120.9	999.4	955.3

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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	1587.5	1590.3	1568.2	1524.0	1463.3	1366.6	1253.4	1137.5	1029.8	985.6	971.8
-25°	1405.3	1399.8	1374.9	1333.5	1270.0	1192.7	1118.2	1040.9	1010.5	999.4	1018.8
-27.5°	1189.9	1198.2	1187.2	1167.9	1126.4	1071.2	1054.7	1032.6	1038.1	1054.7	1129.2
-30°	1062.9	1071.2	1082.3	1090.6	1076.7	1062.9	1068.5	1085.0	1120.9	1184.4	1212.0
-32.5°	1062.9	1065.7	1082.3	1098.8	1107.1	1118.2	1148.5	1203.7	1256.2	1239.6	1234.1
-35°	1159.6	1151.3	1173.4	1195.5	1225.8	1264.5	1297.6	1286.6	1267.2	1261.7	1267.2
-37.5°	1435.7	1383.2	1361.1	1347.3	1339.0	1333.5	1325.2	1316.9	1308.7	1303.1	1311.4
-40°	1432.9	1419.1	1405.3	1394.2	1386.0	1374.9	1369.4	1366.6	1358.4	1352.8	1347.3
-42.5°	1427.4	1432.9	1432.9	1430.1	1432.9	1430.1	1421.9	1410.8	1397.0	1386.0	1374.9
-45°	1468.8	1471.6	1477.1	1482.6	1490.9	1479.8	1463.3	1443.9	1424.6	1408.1	1394.2
-47.5°	1493.6	1496.4	1501.9	1510.2	1515.7	1504.7	1482.6	1457.7	1427.4	1399.8	1372.2
-50°	1501.9	1510.2	1513.0	1513.0	1510.2	1496.4	1463.3	1427.4	1394.2	1366.6	1341.8
-52.5°	1463.3	1471.6	1474.3	1468.8	1466.0	1452.2	1421.9	1388.7	1352.8	1333.5	1311.4
-55°	1399.8	1410.8	1419.1	1419.1	1419.1	1416.3	1388.7	1358.4	1330.7	1308.7	1286.6
-57.5°	1374.9	1394.2	1410.8	1413.6	1416.3	1419.1	1399.8	1369.4	1336.3	1303.1	1275.5
-60°	1466.0	1482.6	1490.9	1479.8	1471.6	1463.3	1432.9	1397.0	1363.9	1330.7	1278.3
-62.5°	1441.2	1468.8	1482.6	1474.3	1463.3	1449.5	1416.3	1374.9	1336.3	1300.4	1247.9
-65°	1361.1	1386.0	1402.5	1388.7	1372.2	1352.8	1322.5	1283.8	1247.9	1212.0	1165.1
-67.5°	1225.8	1261.7	1289.3	1259.0	1236.9	1212.0	1187.2	1154.1	1118.2	1076.7	1032.6
-70°	1013.2	1040.9	1065.7	1057.4	1051.9	1046.4	1029.8	996.7	966.3	933.2	894.5
-72.5°	814.5	839.3	861.4	847.6	836.5	820.0	795.1	759.2	723.4	687.5	651.6
-75°	450.0	458.3	466.6	463.8	463.8	463.8	463.8	466.6	461.1	452.8	436.2
-77.5°	345.1	356.2	364.4	370.0	378.2	389.3	397.6	383.8	370.0	356.2	339.6
-80°	270.6	281.6	289.9	320.3	342.4	367.2	383.8	364.4	345.1	328.5	314.7
-82.5°	204.3	212.6	220.9	237.4	248.5	262.3	273.3	273.3	270.6	267.8	259.5
-85°	149.1	160.1	171.2	176.7	185.0	185.0	187.7	176.7	165.7	157.4	146.3
-87.5°	85.6	88.3	88.3	88.3	91.1	91.1	91.1	85.6	82.8	77.3	74.5
-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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	5.5	5.5	8.3	8.3	11.0	11.0	13.8	13.8
85°	16.6	16.6	16.6	19.3	19.3	22.1	24.8	27.6	30.4	30.4	33.1
82.5°	27.6	30.4	33.1	35.9	38.7	41.4	44.2	46.9	55.2	60.7	63.5
80°	27.6	30.4	38.7	44.2	49.7	55.2	55.2	55.2	55.2	58.0	63.5
77.5°	19.3	22.1	24.8	30.4	44.2	55.2	63.5	69.0	63.5	60.7	55.2
75°	11.0	13.8	16.6	19.3	27.6	38.7	52.5	66.3	77.3	74.5	69.0
72.5°	11.0	11.0	13.8	16.6	19.3	22.1	24.8	38.7	55.2	69.0	77.3
70°	11.0	13.8	13.8	16.6	19.3	22.1	24.8	30.4	38.7	55.2	71.8
67.5°	11.0	13.8	13.8	19.3	24.8	27.6	30.4	27.6	24.8	35.9	52.5
65°	11.0	11.0	13.8	16.6	19.3	22.1	30.4	30.4	27.6	27.6	27.6
62.5°	16.6	16.6	16.6	16.6	19.3	19.3	19.3	24.8	24.8	24.8	24.8
60°	33.1	30.4	30.4	30.4	30.4	24.8	24.8	24.8	22.1	24.8	22.1
57.5°	80.1	66.3	60.7	60.7	52.5	49.7	41.4	30.4	30.4	24.8	24.8
55°	162.9	154.6	129.8	107.7	96.6	85.6	66.3	55.2	41.4	33.1	30.4
52.5°	251.2	229.2	207.1	179.5	151.8	129.8	110.4	85.6	69.0	49.7	38.7
50°	328.5	309.2	284.4	254.0	218.1	190.5	162.9	129.8	102.2	77.3	55.2
47.5°	447.3	408.6	378.2	342.4	300.9	262.3	226.4	187.7	143.6	113.2	85.6
45°	574.3	519.0	477.6	444.5	389.3	336.8	295.4	254.0	201.5	149.1	116.0
42.5°	662.6	621.2	566.0	521.8	472.1	416.9	361.7	317.5	262.3	201.5	149.1
40°	709.5	681.9	637.8	599.1	546.7	485.9	427.9	383.8	325.8	259.5	187.7
37.5°	745.4	731.6	709.5	679.2	629.5	557.7	499.7	447.3	397.6	320.3	243.0
35°	786.9	784.1	770.3	756.5	715.1	646.0	577.0	516.3	455.5	383.8	298.2
32.5°	825.5	822.7	814.5	808.9	792.4	731.6	657.1	588.1	519.0	444.5	350.6
30°	844.8	839.3	839.3	844.8	828.3	789.6	734.4	659.9	582.5	494.2	405.9
27.5°	844.8	839.3	842.1	850.4	847.6	828.3	786.9	726.1	640.5	541.1	455.5
25°	808.9	836.5	836.5	847.6	850.4	844.8	822.7	784.1	695.7	590.8	494.2
22.5°	759.2	825.5	850.4	847.6	850.4	864.2	866.9	831.0	748.2	640.5	532.9
20°	759.2	806.2	878.0	858.6	864.2	894.5	908.3	878.0	803.4	687.5	571.5
17.5°	775.8	806.2	866.9	897.3	905.6	930.4	952.5	933.2	853.1	737.2	624.0
15°	822.7	817.2	858.6	933.2	947.0	966.3	991.2	969.1	897.3	792.4	673.7
12.5°	855.9	825.5	858.6	938.7	982.9	1002.2	1010.5	993.9	935.9	842.1	723.4
10°	900.0	847.6	864.2	933.2	996.7	1010.5	1018.8	1013.2	971.8	883.5	767.5
7.5°	933.2	858.6	858.6	924.9	1010.5	1021.5	1027.1	1032.6	1002.2	919.4	806.2
5°	947.0	858.6	853.1	916.6	1024.3	1035.3	1035.3	1043.6	1024.3	947.0	833.8
2.5°	949.7	855.9	847.6	911.1	1049.1	1049.1	1043.6	1051.9	1040.9	963.6	853.1
0°	963.6	853.1	844.8	919.4	1076.7	1065.7	1051.9	1054.7	1049.1	971.8	864.2
-2.5°	963.6	866.9	855.9	924.9	1074.0	1071.2	1065.7	1068.5	1062.9	996.7	886.2
-5°	977.4	886.2	875.2	949.7	1071.2	1079.5	1082.3	1082.3	1074.0	1013.2	900.0
-7.5°	980.1	900.0	897.3	974.6	1076.7	1090.6	1098.8	1104.4	1087.8	1024.3	911.1
-10°	966.3	905.6	919.4	1005.0	1082.3	1101.6	1118.2	1126.4	1098.8	1029.8	916.6
-12.5°	935.9	905.6	941.5	1043.6	1096.1	1118.2	1143.0	1145.8	1109.9	1032.6	919.4
-15°	933.2	927.7	980.1	1082.3	1104.4	1132.0	1170.6	1162.3	1118.2	1032.6	919.4
-17.5°	930.4	958.0	1038.1	1096.1	1118.2	1148.5	1178.9	1170.6	1123.7	1032.6	913.9
-20°	955.3	1007.7	1107.1	1109.9	1134.7	1167.9	1184.4	1167.9	1115.4	1024.3	905.6

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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	996.7	1096.1	1129.2	1140.2	1162.3	1187.2	1195.5	1170.6	1107.1	1010.5	891.8
-25°	1101.6	1151.3	1151.3	1176.1	1198.2	1209.3	1201.0	1173.4	1096.1	996.7	878.0
-27.5°	1181.7	1178.9	1192.7	1217.6	1236.9	1236.9	1214.8	1159.6	1079.5	982.9	858.6
-30°	1212.0	1214.8	1234.1	1261.7	1267.2	1253.4	1220.3	1148.5	1065.7	960.8	833.8
-32.5°	1242.4	1253.4	1278.3	1292.1	1294.9	1267.2	1206.5	1129.2	1043.6	935.9	806.2
-35°	1278.3	1300.4	1314.2	1316.9	1303.1	1256.2	1187.2	1104.4	1010.5	900.0	781.3
-37.5°	1325.2	1336.3	1344.6	1333.5	1294.9	1239.6	1154.1	1071.2	980.1	861.4	745.4
-40°	1355.6	1361.1	1363.9	1328.0	1281.1	1201.0	1118.2	1032.6	927.7	817.2	706.8
-42.5°	1374.9	1369.4	1347.3	1308.7	1239.6	1162.3	1082.3	985.6	880.7	773.0	665.4
-45°	1369.4	1350.1	1316.9	1270.0	1198.2	1120.9	1027.1	930.4	831.0	726.1	618.4
-47.5°	1347.3	1316.9	1275.5	1220.3	1154.1	1060.2	966.3	872.4	775.8	673.7	574.3
-50°	1319.7	1283.8	1234.1	1165.1	1076.7	991.2	905.6	814.5	715.1	621.2	532.9
-52.5°	1289.3	1250.7	1187.2	1109.9	1013.2	924.9	842.1	753.7	662.6	574.3	497.0
-55°	1256.2	1217.6	1145.8	1057.4	960.8	864.2	784.1	709.5	621.2	535.6	466.6
-57.5°	1239.6	1189.9	1115.4	1027.1	924.9	825.5	756.5	676.4	596.4	508.0	441.7
-60°	1225.8	1176.1	1107.1	1005.0	908.3	814.5	734.4	657.1	571.5	488.7	422.4
-62.5°	1187.2	1134.7	1071.2	971.8	878.0	792.4	720.6	629.5	546.7	469.4	408.6
-65°	1109.9	1054.7	999.4	911.1	825.5	745.4	673.7	590.8	513.5	447.3	394.8
-67.5°	988.4	941.5	891.8	817.2	745.4	673.7	607.4	535.6	472.1	425.2	397.6
-70°	853.1	803.4	753.7	693.0	632.2	574.3	521.8	469.4	427.9	403.1	381.0
-72.5°	621.2	599.1	574.3	527.3	477.6	441.7	416.9	394.8	364.4	342.4	328.5
-75°	414.1	383.8	345.1	328.5	331.3	325.8	312.0	295.4	281.6	273.3	254.0
-77.5°	323.0	306.5	287.1	267.8	259.5	251.2	240.2	226.4	215.3	196.0	168.4
-80°	298.2	284.4	270.6	256.8	243.0	223.6	201.5	179.5	168.4	160.1	157.4
-82.5°	245.7	229.2	212.6	198.8	179.5	165.7	151.8	140.8	140.8	138.0	135.3
-85°	140.8	135.3	127.0	121.5	116.0	107.7	99.4	93.9	91.1	88.3	85.6
-87.5°	71.8	69.0	63.5	60.7	58.0	55.2	49.7	46.9	44.2	44.2	41.4
-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: P723853

CATALOG NUMBER: IFLD-M-SA4C-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.8	13.8	11.0	11.0	11.0	8.3	5.5	5.5	2.8	2.8	0.0
85°	33.1	27.6	24.8	22.1	22.1	16.6	11.0	8.3	5.5	2.8	2.8
82.5°	63.5	55.2	46.9	41.4	33.1	24.8	19.3	13.8	8.3	5.5	2.8
80°	71.8	71.8	69.0	58.0	46.9	35.9	24.8	16.6	11.0	8.3	5.5
77.5°	55.2	60.7	60.7	60.7	58.0	44.2	30.4	19.3	11.0	8.3	5.5
75°	63.5	55.2	52.5	55.2	52.5	44.2	35.9	22.1	13.8	11.0	5.5
72.5°	77.3	66.3	58.0	55.2	49.7	41.4	33.1	24.8	13.8	11.0	8.3
70°	71.8	69.0	63.5	58.0	49.7	41.4	33.1	24.8	16.6	11.0	8.3
67.5°	63.5	63.5	63.5	58.0	49.7	38.7	30.4	22.1	16.6	11.0	8.3
65°	44.2	52.5	58.0	55.2	49.7	38.7	30.4	22.1	16.6	13.8	8.3
62.5°	27.6	35.9	46.9	52.5	46.9	38.7	27.6	22.1	16.6	13.8	8.3
60°	24.8	27.6	33.1	41.4	44.2	35.9	27.6	19.3	16.6	13.8	8.3
57.5°	24.8	24.8	27.6	33.1	35.9	33.1	24.8	16.6	16.6	13.8	11.0
55°	27.6	24.8	24.8	27.6	30.4	30.4	24.8	16.6	16.6	13.8	11.0
52.5°	33.1	27.6	24.8	24.8	24.8	27.6	22.1	16.6	16.6	13.8	11.0
50°	41.4	33.1	30.4	24.8	24.8	24.8	22.1	16.6	13.8	13.8	11.0
47.5°	55.2	44.2	33.1	30.4	24.8	22.1	19.3	16.6	13.8	13.8	11.0
45°	82.8	52.5	44.2	33.1	27.6	24.8	22.1	16.6	13.8	13.8	11.0
42.5°	113.2	77.3	55.2	38.7	30.4	24.8	22.1	19.3	13.8	13.8	11.0
40°	143.6	104.9	69.0	49.7	35.9	27.6	22.1	19.3	16.6	13.8	11.0
37.5°	176.7	129.8	91.1	63.5	41.4	30.4	24.8	19.3	16.6	13.8	11.0
35°	218.1	162.9	113.2	77.3	49.7	35.9	27.6	19.3	16.6	13.8	11.0
32.5°	265.0	193.3	135.3	93.9	63.5	44.2	30.4	22.1	16.6	13.8	11.0
30°	309.2	229.2	160.1	113.2	77.3	49.7	33.1	22.1	16.6	13.8	8.3
27.5°	353.4	265.0	190.5	132.5	93.9	58.0	35.9	24.8	16.6	13.8	11.0
25°	397.6	300.9	220.9	151.8	107.7	69.0	44.2	27.6	16.6	13.8	11.0
22.5°	436.2	336.8	248.5	173.9	124.2	80.1	49.7	30.4	19.3	13.8	11.0
20°	480.4	375.5	278.8	198.8	138.0	91.1	55.2	33.1	19.3	13.8	11.0
17.5°	521.8	414.1	309.2	220.9	154.6	102.2	63.5	35.9	22.1	13.8	11.0
15°	563.2	450.0	336.8	243.0	171.2	113.2	69.0	38.7	24.8	13.8	11.0
12.5°	601.9	483.2	361.7	262.3	185.0	124.2	74.5	41.4	27.6	13.8	11.0
10°	637.8	513.5	386.5	278.8	198.8	132.5	80.1	46.9	30.4	13.8	11.0
7.5°	673.7	538.4	405.9	295.4	215.3	143.6	85.6	49.7	33.1	16.6	11.0
5°	695.7	560.5	422.4	309.2	229.2	154.6	91.1	52.5	35.9	16.6	11.0
2.5°	715.1	577.0	433.5	323.0	243.0	162.9	91.1	55.2	38.7	16.6	11.0
0°	726.1	588.1	441.7	331.3	254.0	168.4	93.9	58.0	41.4	16.6	11.0
-2.5°	751.0	607.4	461.1	342.4	265.0	185.0	99.4	60.7	44.2	19.3	11.0
-5°	767.5	618.4	474.9	353.4	273.3	201.5	107.7	66.3	49.7	24.8	13.8
-7.5°	781.3	629.5	485.9	358.9	281.6	207.1	110.4	69.0	52.5	27.6	13.8
-10°	784.1	635.0	494.2	367.2	287.1	215.3	113.2	71.8	55.2	30.4	13.8
-12.5°	786.9	640.5	497.0	372.7	292.7	220.9	116.0	74.5	58.0	33.1	13.8
-15°	784.1	637.8	497.0	378.2	295.4	215.3	121.5	77.3	60.7	35.9	13.8
-17.5°	778.6	635.0	494.2	375.5	292.7	209.8	124.2	82.8	60.7	38.7	16.6
-20°	770.3	626.7	488.7	372.7	289.9	204.3	127.0	85.6	63.5	38.7	16.6

REPORT NUMBER: P723853

CATALOG NUMBER: IFLD-M-SA4C-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	756.5	612.9	477.6	364.4	284.4	198.8	127.0	91.1	66.3	38.7	16.6
-25°	739.9	599.1	466.6	353.4	276.1	190.5	127.0	93.9	69.0	38.7	16.6
-27.5°	720.6	585.3	450.0	345.1	265.0	185.0	127.0	96.6	71.8	38.7	16.6
-30°	698.5	566.0	436.2	331.3	256.8	185.0	129.8	99.4	74.5	38.7	16.6
-32.5°	676.4	546.7	419.7	320.3	245.7	182.2	129.8	102.2	77.3	35.9	19.3
-35°	651.6	524.6	405.9	312.0	237.4	176.7	132.5	102.2	74.5	35.9	19.3
-37.5°	621.2	497.0	392.0	303.7	231.9	171.2	132.5	104.9	71.8	35.9	19.3
-40°	588.1	474.9	375.5	292.7	223.6	168.4	132.5	104.9	69.0	35.9	22.1
-42.5°	552.2	450.0	358.9	281.6	215.3	165.7	132.5	104.9	66.3	35.9	22.1
-45°	519.0	425.2	339.6	267.8	207.1	165.7	132.5	102.2	60.7	38.7	22.1
-47.5°	483.2	397.6	317.5	254.0	204.3	162.9	129.8	96.6	55.2	38.7	22.1
-50°	452.8	370.0	300.9	240.2	198.8	165.7	132.5	88.3	55.2	38.7	22.1
-52.5°	422.4	350.6	281.6	234.7	193.3	168.4	129.8	82.8	55.2	38.7	22.1
-55°	397.6	331.3	270.6	226.4	198.8	173.9	124.2	74.5	55.2	38.7	22.1
-57.5°	378.2	320.3	262.3	229.2	207.1	168.4	116.0	71.8	55.2	35.9	22.1
-60°	364.4	309.2	265.0	240.2	209.8	160.1	110.4	71.8	55.2	35.9	19.3
-62.5°	353.4	312.0	278.8	248.5	198.8	149.1	104.9	71.8	49.7	33.1	19.3
-65°	356.2	323.0	284.4	237.4	190.5	138.0	96.6	69.0	46.9	30.4	19.3
-67.5°	364.4	314.7	267.8	223.6	171.2	124.2	88.3	63.5	44.2	30.4	19.3
-70°	336.8	289.9	243.0	190.5	146.3	107.7	82.8	58.0	38.7	27.6	19.3
-72.5°	303.7	243.0	193.3	154.6	124.2	99.4	74.5	52.5	35.9	24.8	16.6
-75°	220.9	176.7	143.6	129.8	110.4	88.3	66.3	46.9	33.1	24.8	16.6
-77.5°	157.4	146.3	132.5	118.7	99.4	77.3	58.0	44.2	30.4	22.1	13.8
-80°	154.6	140.8	124.2	102.2	82.8	66.3	49.7	38.7	27.6	19.3	11.0
-82.5°	129.8	110.4	93.9	77.3	63.5	52.5	41.4	30.4	22.1	13.8	8.3
-85°	80.1	69.0	60.7	52.5	44.2	35.9	27.6	19.3	13.8	8.3	5.5
-87.5°	38.7	35.9	30.4	24.8	22.1	16.6	13.8	11.0	8.3	5.5	2.8
-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: P723853

CATALOG NUMBER: IFLD-M-SA4C-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
82.5°	2.8	0.0	0.0	0.0
80°	2.8	0.0	0.0	0.0
77.5°	2.8	0.0	0.0	0.0
75°	2.8	2.8	0.0	0.0
72.5°	2.8	2.8	0.0	0.0
70°	5.5	2.8	2.8	0.0
67.5°	5.5	2.8	2.8	0.0
65°	5.5	2.8	2.8	0.0
62.5°	5.5	2.8	2.8	0.0
60°	5.5	2.8	2.8	0.0
57.5°	5.5	2.8	2.8	0.0
55°	5.5	2.8	2.8	0.0
52.5°	5.5	2.8	2.8	0.0
50°	5.5	2.8	2.8	0.0
47.5°	5.5	5.5	2.8	0.0
45°	5.5	5.5	2.8	0.0
42.5°	5.5	5.5	2.8	0.0
40°	5.5	5.5	2.8	0.0
37.5°	5.5	5.5	2.8	0.0
35°	5.5	5.5	2.8	0.0
32.5°	8.3	5.5	2.8	0.0
30°	8.3	5.5	5.5	0.0
27.5°	8.3	5.5	5.5	0.0
25°	8.3	5.5	5.5	0.0
22.5°	8.3	5.5	5.5	0.0
20°	8.3	5.5	5.5	0.0
17.5°	8.3	5.5	5.5	0.0
15°	8.3	5.5	5.5	0.0
12.5°	8.3	5.5	5.5	0.0
10°	8.3	5.5	5.5	0.0
7.5°	8.3	5.5	5.5	0.0
5°	8.3	5.5	5.5	0.0
2.5°	8.3	5.5	5.5	0.0
0°	8.3	5.5	5.5	0.0
-2.5°	8.3	5.5	5.5	0.0
-5°	8.3	5.5	5.5	0.0
-7.5°	8.3	5.5	5.5	0.0
-10°	8.3	5.5	5.5	0.0
-12.5°	11.0	5.5	5.5	0.0
-15°	11.0	5.5	5.5	0.0
-17.5°	11.0	5.5	5.5	0.0
-20°	11.0	5.5	5.5	0.0

REPORT NUMBER: P723853

CATALOG NUMBER: IFLD-M-SA4C-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	11.0	5.5	5.5	0.0
-25°	11.0	5.5	5.5	0.0
-27.5°	11.0	5.5	5.5	0.0
-30°	11.0	5.5	5.5	0.0
-32.5°	11.0	5.5	5.5	0.0
-35°	11.0	5.5	5.5	0.0
-37.5°	11.0	5.5	5.5	0.0
-40°	11.0	5.5	5.5	0.0
-42.5°	8.3	5.5	2.8	0.0
-45°	11.0	5.5	2.8	0.0
-47.5°	11.0	5.5	2.8	0.0
-50°	11.0	5.5	2.8	0.0
-52.5°	11.0	5.5	2.8	0.0
-55°	11.0	5.5	2.8	0.0
-57.5°	11.0	5.5	2.8	0.0
-60°	11.0	5.5	2.8	0.0
-62.5°	11.0	5.5	2.8	0.0
-65°	11.0	5.5	2.8	0.0
-67.5°	11.0	5.5	2.8	0.0
-70°	11.0	2.8	2.8	0.0
-72.5°	8.3	2.8	2.8	0.0
-75°	8.3	2.8	2.8	0.0
-77.5°	5.5	2.8	0.0	0.0
-80°	5.5	2.8	0.0	0.0
-82.5°	5.5	2.8	0.0	0.0
-85°	2.8	0.0	0.0	0.0
-87.5°	2.8	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)