

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: P723845

Luminaire Tested: **IFLD-S-SA3E-830-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723845
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-830-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	11346.4 lumens	Max Intensity:	266940.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	48.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	4114.7 lumens	Field Lumens:	6559.6 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

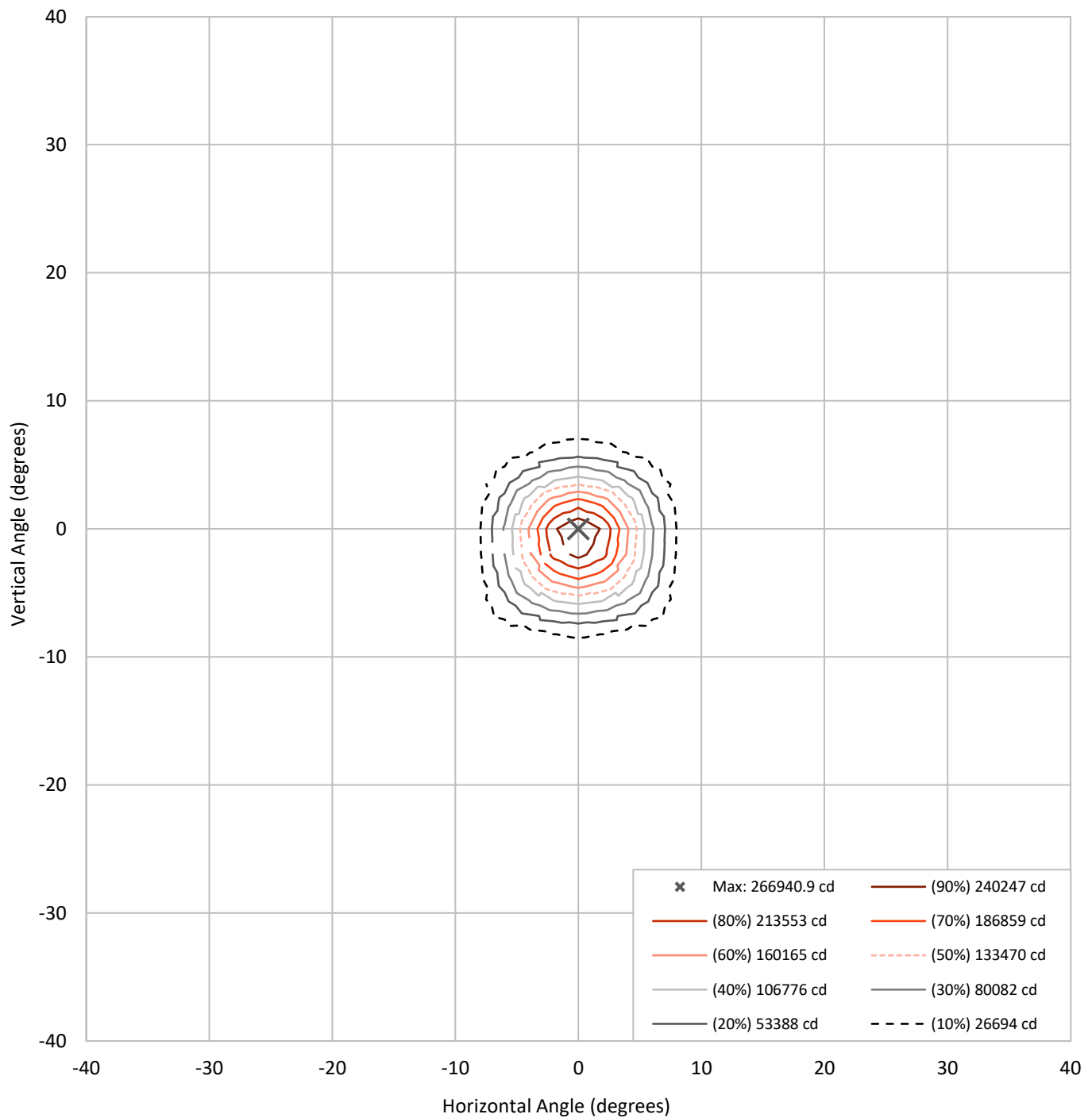
Input Watts (W): 232.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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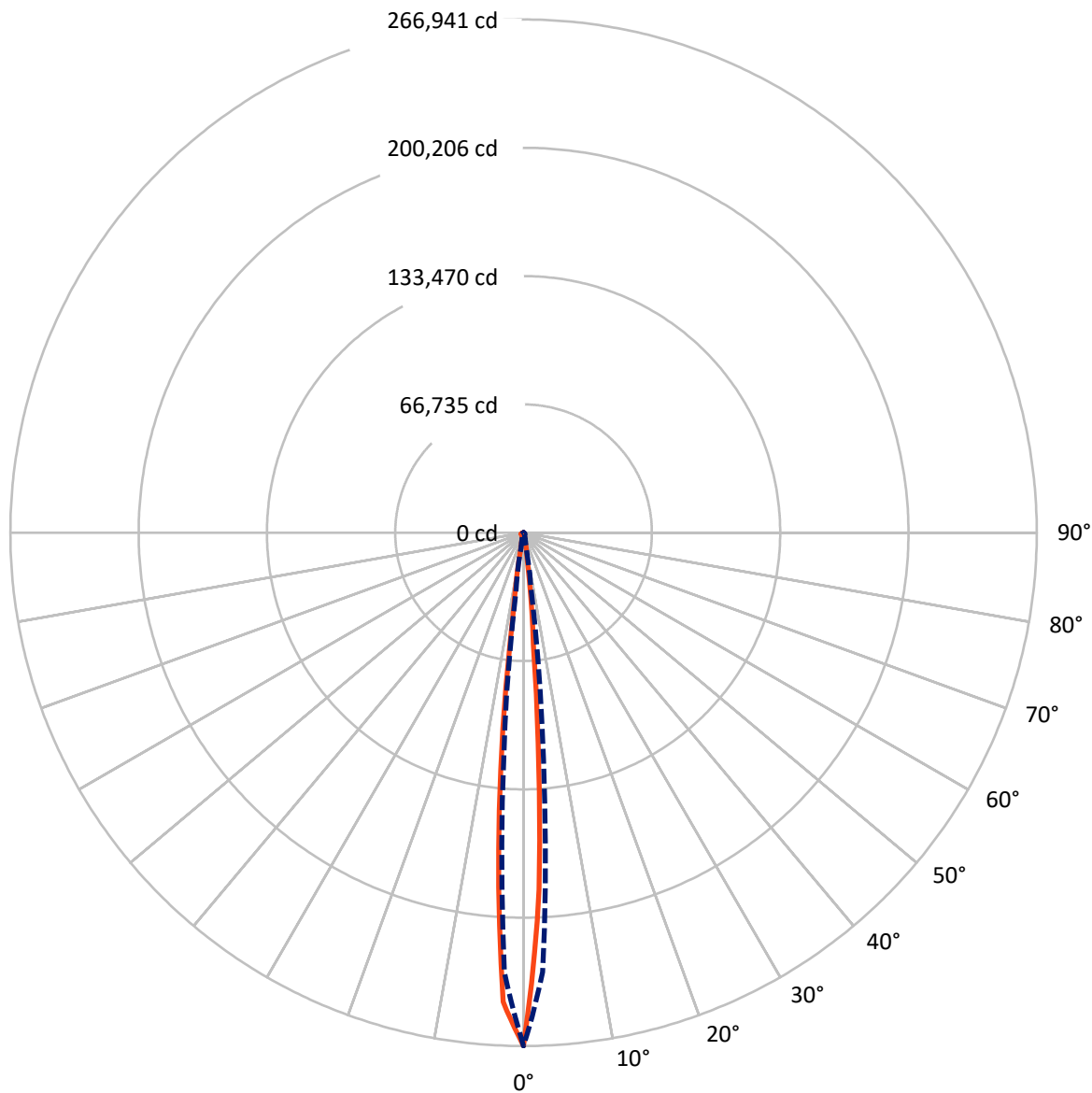
Lumen Table

Vertical Angle (degrees)																
	0.2	2.5		2.7		1.1		0.3		1.1		2.7		2.5		0.2
90																
80	0.2	2.5		2.7		1.1		0.3		1.1		2.7		2.5		0.2
70																
60	0.3	0.6	0.7	0.6	0.5	0.4	0.3	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.6	0.3
50		0.4	0.5	1.3	2.9	4.8	6.1	7.0	7.0	6.1	4.8	2.9	1.3	0.5	0.4	
40	0.3	0.4	1.6	5.2	10.2	14.9	17.9	19.8	19.8	17.9	14.9	10.2	5.2	1.6	0.4	0.3
30		0.8	3.9	10.6	17.3	20.3	21.9	22.7	22.7	21.9	20.3	17.3	10.6	3.9	0.8	
20	0.5	1.5	6.7	15.5	20.0	20.6	24.3	29.3	29.3	24.3	20.6	20.0	15.5	6.7	1.5	0.5
10		2.3	9.4	19.0	21.3	24.0	42.3	72.0	72.0	42.3	24.0	21.3	19.0	9.4	2.3	
0	0.8	3.0	11.6	20.9	22.1	29.7	80.4	1489.5	1489.5	80.4	29.7	22.1	20.9	11.6	3.0	0.8
-10		3.5	12.7	21.9	22.9	30.7	86.6	2171.8	2171.8	86.6	30.7	22.9	21.9	12.7	3.5	
-20	1.1	3.7	13.0	23.1	24.8	27.7	50.3	96.6	96.6	50.3	27.7	24.8	23.1	13.0	3.7	1.1
-30		3.5	12.3	23.4	27.8	27.9	32.6	39.8	39.8	32.6	27.9	27.8	23.4	12.3	3.5	
-40	1.2	3.1	10.9	22.3	30.6	33.4	34.8	35.0	35.0	34.8	33.4	30.6	22.3	10.9	3.1	1.2
-50		2.7	8.8	19.0	29.5	35.9	40.3	42.2	42.2	40.3	35.9	29.5	19.0	8.8	2.7	
-60	0.9	2.5	6.8	14.7	25.2	33.8	39.3	41.6	41.6	39.3	33.8	25.2	14.7	6.8	2.5	0.9
-70		2.3	6.0	12.0	21.0	29.6	35.8	38.7	38.7	35.8	29.6	21.0	12.0	6.0	2.3	
-80	0.4	7.0		20.9		38.7		42.7		38.7		20.9		7.0		0.4
-90																
Horizontal Angle (degrees)																
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	90

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Luminous Intensity Polar Plot



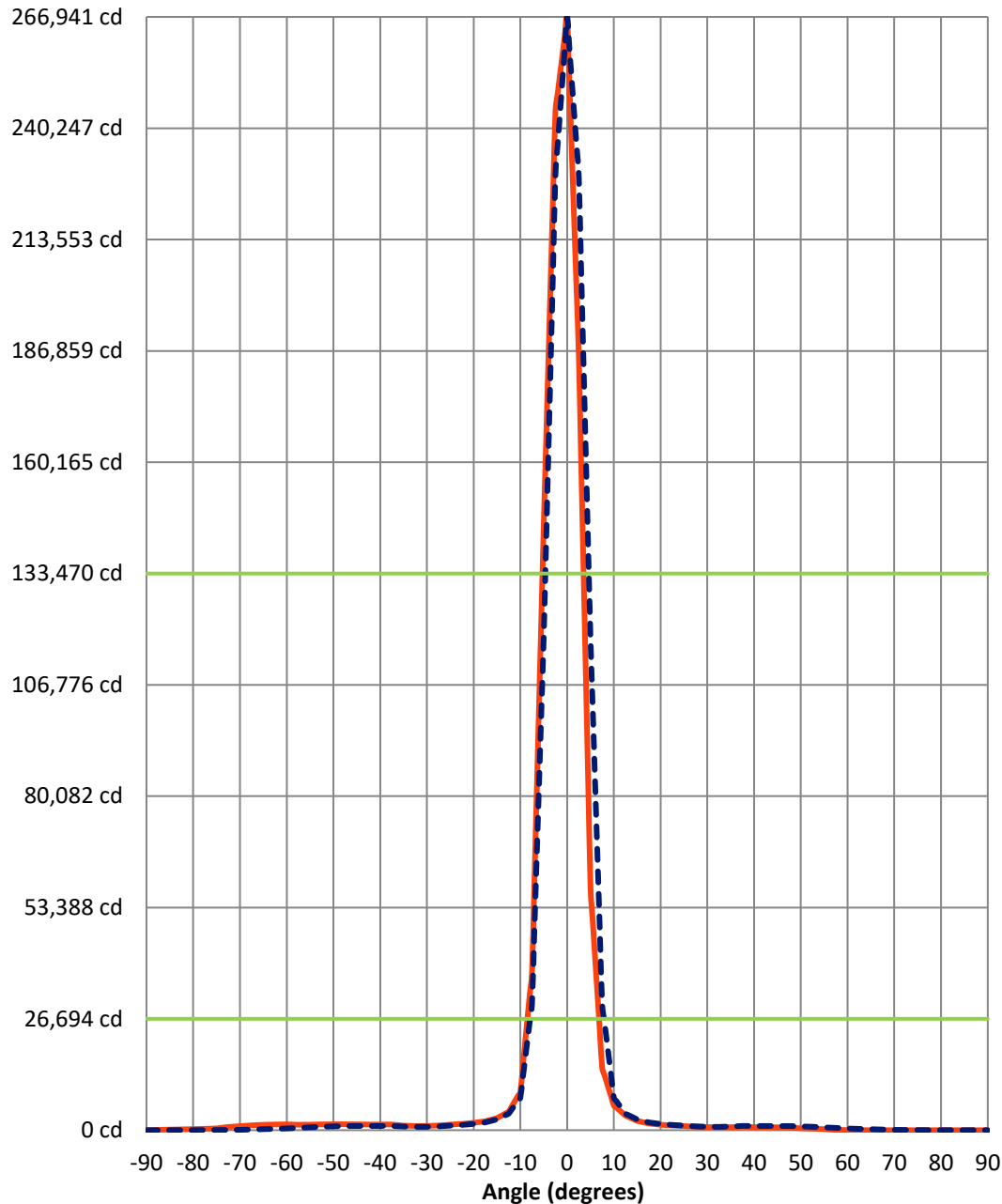
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg



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Luminous Intensity Plot



Beam:
H Angle: 9.3°
V Angle: 8.8°
Lumens: 4114.7
Efficiency: 36.3%

Field:
H Angle: 15.8°
V Angle: 15.3°
Lumens: 6559.6
Efficiency: 57.8%

Spill:
Lumens: 4786.8
Efficiency: 42.2%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg

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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	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
85°	0.0	2.6	2.6	5.2	5.2	5.2	7.9	10.5	13.1	13.1	15.7
82.5°	0.0	2.6	2.6	5.2	5.2	7.9	7.9	13.1	15.7	18.3	23.6
80°	2.6	2.6	2.6	5.2	5.2	7.9	7.9	10.5	13.1	18.3	21.0
77.5°	0.0	2.6	2.6	2.6	5.2	5.2	5.2	7.9	10.5	13.1	15.7
75°	0.0	2.6	2.6	2.6	5.2	5.2	5.2	5.2	7.9	7.9	10.5
72.5°	0.0	0.0	0.0	2.6	2.6	5.2	5.2	5.2	7.9	7.9	7.9
70°	0.0	0.0	0.0	2.6	2.6	5.2	5.2	5.2	7.9	7.9	7.9
67.5°	0.0	0.0	0.0	2.6	2.6	5.2	5.2	5.2	7.9	7.9	7.9
65°	0.0	0.0	0.0	2.6	2.6	5.2	5.2	7.9	7.9	7.9	7.9
62.5°	2.6	2.6	2.6	5.2	7.9	7.9	10.5	13.1	13.1	13.1	13.1
60°	26.2	28.8	31.4	31.4	28.8	28.8	31.4	31.4	31.4	31.4	31.4
57.5°	70.7	76.0	78.6	78.6	78.6	76.0	86.4	89.1	78.6	73.3	81.2
55°	246.2	254.1	248.8	241.0	225.3	206.9	201.7	199.1	201.7	188.6	167.6
52.5°	358.8	366.7	364.1	358.8	348.4	335.3	324.8	314.3	303.8	282.9	259.3
50°	466.2	468.9	466.2	461.0	450.5	437.4	416.5	392.9	371.9	366.7	345.7
47.5°	586.7	594.6	594.6	592.0	584.1	560.5	529.1	495.0	479.3	474.1	453.1
45°	694.1	699.3	702.0	704.6	702.0	678.4	649.6	631.2	597.2	586.7	586.7
42.5°	722.9	725.5	728.2	730.8	738.6	720.3	696.7	665.3	657.4	654.8	649.6
40°	733.4	728.2	730.8	733.4	736.0	722.9	704.6	686.3	681.0	675.8	675.8
37.5°	832.9	809.4	791.0	775.3	762.2	749.1	730.8	715.1	702.0	691.5	702.0
35°	709.8	709.8	728.2	743.9	759.6	775.3	777.9	759.6	730.8	717.7	736.0
32.5°	725.5	725.5	725.5	730.8	736.0	749.1	762.2	770.1	791.0	767.4	767.4
30°	741.3	743.9	749.1	751.7	743.9	738.6	733.4	733.4	746.5	780.5	798.9
27.5°	832.9	832.9	825.1	814.6	791.0	754.4	736.0	709.8	712.4	728.2	772.7
25°	982.2	977.0	958.7	932.5	890.6	838.2	788.4	733.4	709.8	702.0	720.3
22.5°	1123.7	1115.8	1092.2	1068.7	1034.6	982.2	898.4	814.6	741.3	709.8	702.0
20°	1304.4	1286.1	1259.9	1223.2	1168.2	1115.8	1042.5	932.5	825.1	743.9	712.4
17.5°	1595.1	1571.6	1521.8	1456.3	1362.0	1280.8	1176.1	1071.3	950.8	819.8	749.1
15°	2231.6	2171.4	2084.9	1904.2	1718.2	1563.7	1406.6	1231.1	1108.0	935.1	827.7
12.5°	3509.8	3344.8	3093.4	2671.7	2255.2	1896.4	1642.3	1417.0	1218.0	1058.2	906.3
10°	5940.5	5586.9	4892.8	3740.3	2972.9	2312.8	1857.1	1555.8	1304.4	1139.4	971.8
7.5°	15024.2	12255.6	8672.4	5922.2	3889.6	2826.2	2124.2	1686.8	1396.1	1191.8	1024.1
5°	58556.5	48236.6	25731.8	10739.0	5851.5	3418.2	2365.2	1791.6	1456.3	1231.1	1063.4
2.5°	185840.2	160485.6	84199.2	23117.7	7184.7	3850.3	2530.2	1857.1	1490.4	1259.9	1092.2
0°	266940.9	228778.0	118168.6	30404.6	7792.3	3960.3	2582.6	1870.2	1495.6	1265.1	1092.2
-2.5°	244205.6	213727.7	114150.7	28293.4	7962.6	3991.8	2624.5	1914.7	1534.9	1288.7	1100.1
-5°	145105.3	127278.5	79628.6	20173.7	7074.7	3706.3	2514.5	1875.4	1508.7	1275.6	1094.9
-7.5°	38230.9	33097.2	21771.4	10526.9	4578.5	3135.3	2310.2	1809.9	1474.7	1252.0	1073.9
-10°	9217.2	8735.3	7802.8	4782.8	3564.8	2619.3	2048.3	1692.1	1406.6	1220.6	1039.9
-12.5°	4444.9	4340.1	3939.4	3247.9	2645.5	2176.6	1854.4	1568.9	1343.7	1165.6	992.7
-15°	2891.7	2831.4	2695.2	2430.7	2124.2	1899.0	1673.7	1443.2	1265.1	1084.4	953.4
-17.5°	2139.9	2137.3	2069.2	1969.7	1817.8	1650.1	1485.1	1338.4	1165.6	1011.0	911.5
-20°	1773.2	1773.2	1734.0	1668.5	1561.1	1451.1	1341.1	1204.9	1063.4	948.2	906.3

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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°	1506.1	1508.7	1487.7	1445.8	1388.2	1296.5	1189.2	1079.1	977.0	935.1	922.0
-25°	1333.2	1328.0	1304.4	1265.1	1204.9	1131.5	1060.8	987.5	958.7	948.2	966.5
-27.5°	1128.9	1136.8	1126.3	1108.0	1068.7	1016.3	1000.6	979.6	984.8	1000.6	1071.3
-30°	1008.4	1016.3	1026.8	1034.6	1021.5	1008.4	1013.7	1029.4	1063.4	1123.7	1149.9
-32.5°	1008.4	1011.0	1026.8	1042.5	1050.3	1060.8	1089.6	1142.0	1191.8	1176.1	1170.8
-35°	1100.1	1092.2	1113.2	1134.1	1163.0	1199.6	1231.1	1220.6	1202.2	1197.0	1202.2
-37.5°	1362.0	1312.3	1291.3	1278.2	1270.3	1265.1	1257.3	1249.4	1241.5	1236.3	1244.2
-40°	1359.4	1346.3	1333.2	1322.7	1314.9	1304.4	1299.2	1296.5	1288.7	1283.4	1278.2
-42.5°	1354.2	1359.4	1359.4	1356.8	1359.4	1356.8	1348.9	1338.4	1325.4	1314.9	1304.4
-45°	1393.5	1396.1	1401.3	1406.6	1414.4	1403.9	1388.2	1369.9	1351.5	1335.8	1322.7
-47.5°	1417.0	1419.6	1424.9	1432.7	1438.0	1427.5	1406.6	1383.0	1354.2	1328.0	1301.8
-50°	1424.9	1432.7	1435.4	1435.4	1432.7	1419.6	1388.2	1354.2	1322.7	1296.5	1273.0
-52.5°	1388.2	1396.1	1398.7	1393.5	1390.8	1377.7	1348.9	1317.5	1283.4	1265.1	1244.2
-55°	1328.0	1338.4	1346.3	1346.3	1346.3	1343.7	1317.5	1288.7	1262.5	1241.5	1220.6
-57.5°	1304.4	1322.7	1338.4	1341.1	1343.7	1346.3	1328.0	1299.2	1267.7	1236.3	1210.1
-60°	1390.8	1406.6	1414.4	1403.9	1396.1	1388.2	1359.4	1325.4	1293.9	1262.5	1212.7
-62.5°	1367.3	1393.5	1406.6	1398.7	1388.2	1375.1	1343.7	1304.4	1267.7	1233.7	1183.9
-65°	1291.3	1314.9	1330.6	1317.5	1301.8	1283.4	1254.6	1218.0	1183.9	1149.9	1105.3
-67.5°	1163.0	1197.0	1223.2	1194.4	1173.4	1149.9	1126.3	1094.9	1060.8	1021.5	979.6
-70°	961.3	987.5	1011.0	1003.2	997.9	992.7	977.0	945.6	916.7	885.3	848.6
-72.5°	772.7	796.3	817.2	804.1	793.6	777.9	754.4	720.3	686.3	652.2	618.1
-75°	426.9	434.8	442.7	440.0	440.0	440.0	440.0	442.7	437.4	429.6	413.8
-77.5°	327.4	337.9	345.7	351.0	358.8	369.3	377.2	364.1	351.0	337.9	322.2
-80°	256.7	267.2	275.0	303.8	324.8	348.4	364.1	345.7	327.4	311.7	298.6
-82.5°	193.8	201.7	209.5	225.3	235.7	248.8	259.3	259.3	256.7	254.1	246.2
-85°	141.4	151.9	162.4	167.6	175.5	175.5	178.1	167.6	157.2	149.3	138.8
-87.5°	81.2	83.8	83.8	83.8	86.4	86.4	86.4	81.2	78.6	73.3	70.7
-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):

	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°	2.6	2.6	2.6	5.2	5.2	7.9	7.9	10.5	10.5	13.1	13.1
85°	15.7	15.7	15.7	18.3	18.3	21.0	23.6	26.2	28.8	28.8	31.4
82.5°	26.2	28.8	31.4	34.1	36.7	39.3	41.9	44.5	52.4	57.6	60.2
80°	26.2	28.8	36.7	41.9	47.1	52.4	52.4	52.4	52.4	55.0	60.2
77.5°	18.3	21.0	23.6	28.8	41.9	52.4	60.2	65.5	60.2	57.6	52.4
75°	10.5	13.1	15.7	18.3	26.2	36.7	49.8	62.9	73.3	70.7	65.5
72.5°	10.5	10.5	13.1	15.7	18.3	21.0	23.6	36.7	52.4	65.5	73.3
70°	10.5	13.1	13.1	15.7	18.3	21.0	23.6	28.8	36.7	52.4	68.1
67.5°	10.5	13.1	13.1	18.3	23.6	26.2	28.8	26.2	23.6	34.1	49.8
65°	10.5	10.5	13.1	15.7	18.3	21.0	28.8	28.8	26.2	26.2	26.2
62.5°	15.7	15.7	15.7	15.7	18.3	18.3	18.3	23.6	23.6	23.6	23.6
60°	31.4	28.8	28.8	28.8	28.8	23.6	23.6	23.6	21.0	23.6	21.0
57.5°	76.0	62.9	57.6	57.6	49.8	47.1	39.3	28.8	28.8	23.6	23.6
55°	154.5	146.7	123.1	102.2	91.7	81.2	62.9	52.4	39.3	31.4	28.8
52.5°	238.4	217.4	196.4	170.3	144.1	123.1	104.8	81.2	65.5	47.1	36.7
50°	311.7	293.4	269.8	241.0	206.9	180.7	154.5	123.1	96.9	73.3	52.4
47.5°	424.3	387.7	358.8	324.8	285.5	248.8	214.8	178.1	136.2	107.4	81.2
45°	544.8	492.4	453.1	421.7	369.3	319.6	280.3	241.0	191.2	141.4	110.0
42.5°	628.6	589.3	537.0	495.0	447.9	395.5	343.1	301.2	248.8	191.2	141.4
40°	673.2	647.0	605.1	568.4	518.6	461.0	406.0	364.1	309.1	246.2	178.1
37.5°	707.2	694.1	673.2	644.3	597.2	529.1	474.1	424.3	377.2	303.8	230.5
35°	746.5	743.9	730.8	717.7	678.4	612.9	547.4	489.8	432.2	364.1	282.9
32.5°	783.2	780.5	772.7	767.4	751.7	694.1	623.4	557.9	492.4	421.7	332.6
30°	801.5	796.3	796.3	801.5	785.8	749.1	696.7	626.0	552.7	468.9	385.0
27.5°	801.5	796.3	798.9	806.7	804.1	785.8	746.5	688.9	607.7	513.4	432.2
25°	767.4	793.6	793.6	804.1	806.7	801.5	780.5	743.9	660.1	560.5	468.9
22.5°	720.3	783.2	806.7	804.1	806.7	819.8	822.5	788.4	709.8	607.7	505.5
20°	720.3	764.8	832.9	814.6	819.8	848.6	861.7	832.9	762.2	652.2	542.2
17.5°	736.0	764.8	822.5	851.3	859.1	882.7	903.7	885.3	809.4	699.3	592.0
15°	780.5	775.3	814.6	885.3	898.4	916.7	940.3	919.4	851.3	751.7	639.1
12.5°	812.0	783.2	814.6	890.6	932.5	950.8	958.7	942.9	887.9	798.9	686.3
10°	853.9	804.1	819.8	885.3	945.6	958.7	966.5	961.3	922.0	838.2	728.2
7.5°	885.3	814.6	814.6	877.5	958.7	969.1	974.4	979.6	950.8	872.2	764.8
5°	898.4	814.6	809.4	869.6	971.8	982.2	982.2	990.1	971.8	898.4	791.0
2.5°	901.0	812.0	804.1	864.4	995.3	995.3	990.1	997.9	987.5	914.1	809.4
0°	914.1	809.4	801.5	872.2	1021.5	1011.0	997.9	1000.6	995.3	922.0	819.8
-2.5°	914.1	822.5	812.0	877.5	1018.9	1016.3	1011.0	1013.7	1008.4	945.6	840.8
-5°	927.2	840.8	830.3	901.0	1016.3	1024.1	1026.8	1026.8	1018.9	961.3	853.9
-7.5°	929.8	853.9	851.3	924.6	1021.5	1034.6	1042.5	1047.7	1032.0	971.8	864.4
-10°	916.7	859.1	872.2	953.4	1026.8	1045.1	1060.8	1068.7	1042.5	977.0	869.6
-12.5°	887.9	859.1	893.2	990.1	1039.9	1060.8	1084.4	1087.0	1052.9	979.6	872.2
-15°	885.3	880.1	929.8	1026.8	1047.7	1073.9	1110.6	1102.7	1060.8	979.6	872.2
-17.5°	882.7	908.9	984.8	1039.9	1060.8	1089.6	1118.4	1110.6	1066.0	979.6	867.0
-20°	906.3	956.0	1050.3	1052.9	1076.5	1108.0	1123.7	1108.0	1058.2	971.8	859.1

REPORT NUMBER: P723845

CATALOG NUMBER: IFLD-S-SA3E-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	945.6	1039.9	1071.3	1081.8	1102.7	1126.3	1134.1	1110.6	1050.3	958.7	846.0
-25°	1045.1	1092.2	1092.2	1115.8	1136.8	1147.2	1139.4	1113.2	1039.9	945.6	832.9
-27.5°	1121.1	1118.4	1131.5	1155.1	1173.4	1173.4	1152.5	1100.1	1024.1	932.5	814.6
-30°	1149.9	1152.5	1170.8	1197.0	1202.2	1189.2	1157.7	1089.6	1011.0	911.5	791.0
-32.5°	1178.7	1189.2	1212.7	1225.8	1228.4	1202.2	1144.6	1071.3	990.1	887.9	764.8
-35°	1212.7	1233.7	1246.8	1249.4	1236.3	1191.8	1126.3	1047.7	958.7	853.9	741.3
-37.5°	1257.3	1267.7	1275.6	1265.1	1228.4	1176.1	1094.9	1016.3	929.8	817.2	707.2
-40°	1286.1	1291.3	1293.9	1259.9	1215.3	1139.4	1060.8	979.6	880.1	775.3	670.5
-42.5°	1304.4	1299.2	1278.2	1241.5	1176.1	1102.7	1026.8	935.1	835.5	733.4	631.2
-45°	1299.2	1280.8	1249.4	1204.9	1136.8	1063.4	974.4	882.7	788.4	688.9	586.7
-47.5°	1278.2	1249.4	1210.1	1157.7	1094.9	1005.8	916.7	827.7	736.0	639.1	544.8
-50°	1252.0	1218.0	1170.8	1105.3	1021.5	940.3	859.1	772.7	678.4	589.3	505.5
-52.5°	1223.2	1186.5	1126.3	1052.9	961.3	877.5	798.9	715.1	628.6	544.8	471.5
-55°	1191.8	1155.1	1087.0	1003.2	911.5	819.8	743.9	673.2	589.3	508.1	442.7
-57.5°	1176.1	1128.9	1058.2	974.4	877.5	783.2	717.7	641.7	565.8	481.9	419.1
-60°	1163.0	1115.8	1050.3	953.4	861.7	772.7	696.7	623.4	542.2	463.6	400.7
-62.5°	1126.3	1076.5	1016.3	922.0	832.9	751.7	683.6	597.2	518.6	445.3	387.7
-65°	1052.9	1000.6	948.2	864.4	783.2	707.2	639.1	560.5	487.2	424.3	374.6
-67.5°	937.7	893.2	846.0	775.3	707.2	639.1	576.2	508.1	447.9	403.4	377.2
-70°	809.4	762.2	715.1	657.4	599.8	544.8	495.0	445.3	406.0	382.4	361.5
-72.5°	589.3	568.4	544.8	500.3	453.1	419.1	395.5	374.6	345.7	324.8	311.7
-75°	392.9	364.1	327.4	311.7	314.3	309.1	296.0	280.3	267.2	259.3	241.0
-77.5°	306.5	290.7	272.4	254.1	246.2	238.4	227.9	214.8	204.3	186.0	159.8
-80°	282.9	269.8	256.7	243.6	230.5	212.2	191.2	170.3	159.8	151.9	149.3
-82.5°	233.1	217.4	201.7	188.6	170.3	157.2	144.1	133.6	133.6	131.0	128.3
-85°	133.6	128.3	120.5	115.2	110.0	102.2	94.3	89.1	86.4	83.8	81.2
-87.5°	68.1	65.5	60.2	57.6	55.0	52.4	47.1	44.5	41.9	41.9	39.3
-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: P723845

CATALOG NUMBER: IFLD-S-SA3E-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°	13.1	13.1	10.5	10.5	10.5	7.9	5.2	5.2	2.6	2.6	0.0
85°	31.4	26.2	23.6	21.0	21.0	15.7	10.5	7.9	5.2	2.6	2.6
82.5°	60.2	52.4	44.5	39.3	31.4	23.6	18.3	13.1	7.9	5.2	2.6
80°	68.1	68.1	65.5	55.0	44.5	34.1	23.6	15.7	10.5	7.9	5.2
77.5°	52.4	57.6	57.6	57.6	55.0	41.9	28.8	18.3	10.5	7.9	5.2
75°	60.2	52.4	49.8	52.4	49.8	41.9	34.1	21.0	13.1	10.5	5.2
72.5°	73.3	62.9	55.0	52.4	47.1	39.3	31.4	23.6	13.1	10.5	7.9
70°	68.1	65.5	60.2	55.0	47.1	39.3	31.4	23.6	15.7	10.5	7.9
67.5°	60.2	60.2	60.2	55.0	47.1	36.7	28.8	21.0	15.7	10.5	7.9
65°	41.9	49.8	55.0	52.4	47.1	36.7	28.8	21.0	15.7	13.1	7.9
62.5°	26.2	34.1	44.5	49.8	44.5	36.7	26.2	21.0	15.7	13.1	7.9
60°	23.6	26.2	31.4	39.3	41.9	34.1	26.2	18.3	15.7	13.1	7.9
57.5°	23.6	23.6	26.2	31.4	34.1	31.4	23.6	15.7	15.7	13.1	10.5
55°	26.2	23.6	23.6	26.2	28.8	28.8	23.6	15.7	15.7	13.1	10.5
52.5°	31.4	26.2	23.6	23.6	23.6	26.2	21.0	15.7	15.7	13.1	10.5
50°	39.3	31.4	28.8	23.6	23.6	23.6	21.0	15.7	13.1	13.1	10.5
47.5°	52.4	41.9	31.4	28.8	23.6	21.0	18.3	15.7	13.1	13.1	10.5
45°	78.6	49.8	41.9	31.4	26.2	23.6	21.0	15.7	13.1	13.1	10.5
42.5°	107.4	73.3	52.4	36.7	28.8	23.6	21.0	18.3	13.1	13.1	10.5
40°	136.2	99.5	65.5	47.1	34.1	26.2	21.0	18.3	15.7	13.1	10.5
37.5°	167.6	123.1	86.4	60.2	39.3	28.8	23.6	18.3	15.7	13.1	10.5
35°	206.9	154.5	107.4	73.3	47.1	34.1	26.2	18.3	15.7	13.1	10.5
32.5°	251.5	183.3	128.3	89.1	60.2	41.9	28.8	21.0	15.7	13.1	10.5
30°	293.4	217.4	151.9	107.4	73.3	47.1	31.4	21.0	15.7	13.1	7.9
27.5°	335.3	251.5	180.7	125.7	89.1	55.0	34.1	23.6	15.7	13.1	10.5
25°	377.2	285.5	209.5	144.1	102.2	65.5	41.9	26.2	15.7	13.1	10.5
22.5°	413.8	319.6	235.7	165.0	117.9	76.0	47.1	28.8	18.3	13.1	10.5
20°	455.8	356.2	264.5	188.6	131.0	86.4	52.4	31.4	18.3	13.1	10.5
17.5°	495.0	392.9	293.4	209.5	146.7	96.9	60.2	34.1	21.0	13.1	10.5
15°	534.3	426.9	319.6	230.5	162.4	107.4	65.5	36.7	23.6	13.1	10.5
12.5°	571.0	458.4	343.1	248.8	175.5	117.9	70.7	39.3	26.2	13.1	10.5
10°	605.1	487.2	366.7	264.5	188.6	125.7	76.0	44.5	28.8	13.1	10.5
7.5°	639.1	510.8	385.0	280.3	204.3	136.2	81.2	47.1	31.4	15.7	10.5
5°	660.1	531.7	400.7	293.4	217.4	146.7	86.4	49.8	34.1	15.7	10.5
2.5°	678.4	547.4	411.2	306.5	230.5	154.5	86.4	52.4	36.7	15.7	10.5
0°	688.9	557.9	419.1	314.3	241.0	159.8	89.1	55.0	39.3	15.7	10.5
-2.5°	712.4	576.2	437.4	324.8	251.5	175.5	94.3	57.6	41.9	18.3	10.5
-5°	728.2	586.7	450.5	335.3	259.3	191.2	102.2	62.9	47.1	23.6	13.1
-7.5°	741.3	597.2	461.0	340.5	267.2	196.4	104.8	65.5	49.8	26.2	13.1
-10°	743.9	602.4	468.9	348.4	272.4	204.3	107.4	68.1	52.4	28.8	13.1
-12.5°	746.5	607.7	471.5	353.6	277.6	209.5	110.0	70.7	55.0	31.4	13.1
-15°	743.9	605.1	471.5	358.8	280.3	204.3	115.2	73.3	57.6	34.1	13.1
-17.5°	738.6	602.4	468.9	356.2	277.6	199.1	117.9	78.6	57.6	36.7	15.7
-20°	730.8	594.6	463.6	353.6	275.0	193.8	120.5	81.2	60.2	36.7	15.7



REPORT NUMBER: P723845

CATALOG NUMBER: IFLD-S-SA3E-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°	717.7	581.5	453.1	345.7	269.8	188.6	120.5	86.4	62.9	36.7	15.7
-25°	702.0	568.4	442.7	335.3	261.9	180.7	120.5	89.1	65.5	36.7	15.7
-27.5°	683.6	555.3	426.9	327.4	251.5	175.5	120.5	91.7	68.1	36.7	15.7
-30°	662.7	537.0	413.8	314.3	243.6	175.5	123.1	94.3	70.7	36.7	15.7
-32.5°	641.7	518.6	398.1	303.8	233.1	172.9	123.1	96.9	73.3	34.1	18.3
-35°	618.1	497.7	385.0	296.0	225.3	167.6	125.7	96.9	70.7	34.1	18.3
-37.5°	589.3	471.5	371.9	288.1	220.0	162.4	125.7	99.5	68.1	34.1	18.3
-40°	557.9	450.5	356.2	277.6	212.2	159.8	125.7	99.5	65.5	34.1	21.0
-42.5°	523.9	426.9	340.5	267.2	204.3	157.2	125.7	99.5	62.9	34.1	21.0
-45°	492.4	403.4	322.2	254.1	196.4	157.2	125.7	96.9	57.6	36.7	21.0
-47.5°	458.4	377.2	301.2	241.0	193.8	154.5	123.1	91.7	52.4	36.7	21.0
-50°	429.6	351.0	285.5	227.9	188.6	157.2	125.7	83.8	52.4	36.7	21.0
-52.5°	400.7	332.6	267.2	222.6	183.3	159.8	123.1	78.6	52.4	36.7	21.0
-55°	377.2	314.3	256.7	214.8	188.6	165.0	117.9	70.7	52.4	36.7	21.0
-57.5°	358.8	303.8	248.8	217.4	196.4	159.8	110.0	68.1	52.4	34.1	21.0
-60°	345.7	293.4	251.5	227.9	199.1	151.9	104.8	68.1	52.4	34.1	18.3
-62.5°	335.3	296.0	264.5	235.7	188.6	141.4	99.5	68.1	47.1	31.4	18.3
-65°	337.9	306.5	269.8	225.3	180.7	131.0	91.7	65.5	44.5	28.8	18.3
-67.5°	345.7	298.6	254.1	212.2	162.4	117.9	83.8	60.2	41.9	28.8	18.3
-70°	319.6	275.0	230.5	180.7	138.8	102.2	78.6	55.0	36.7	26.2	18.3
-72.5°	288.1	230.5	183.3	146.7	117.9	94.3	70.7	49.8	34.1	23.6	15.7
-75°	209.5	167.6	136.2	123.1	104.8	83.8	62.9	44.5	31.4	23.6	15.7
-77.5°	149.3	138.8	125.7	112.6	94.3	73.3	55.0	41.9	28.8	21.0	13.1
-80°	146.7	133.6	117.9	96.9	78.6	62.9	47.1	36.7	26.2	18.3	10.5
-82.5°	123.1	104.8	89.1	73.3	60.2	49.8	39.3	28.8	21.0	13.1	7.9
-85°	76.0	65.5	57.6	49.8	41.9	34.1	26.2	18.3	13.1	7.9	5.2
-87.5°	36.7	34.1	28.8	23.6	21.0	15.7	13.1	10.5	7.9	5.2	2.6
-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: P723845

CATALOG NUMBER: IFLD-S-SA3E-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°	2.6	0.0	0.0	0.0
80°	2.6	0.0	0.0	0.0
77.5°	2.6	0.0	0.0	0.0
75°	2.6	2.6	0.0	0.0
72.5°	2.6	2.6	0.0	0.0
70°	5.2	2.6	2.6	0.0
67.5°	5.2	2.6	2.6	0.0
65°	5.2	2.6	2.6	0.0
62.5°	5.2	2.6	2.6	0.0
60°	5.2	2.6	2.6	0.0
57.5°	5.2	2.6	2.6	0.0
55°	5.2	2.6	2.6	0.0
52.5°	5.2	2.6	2.6	0.0
50°	5.2	2.6	2.6	0.0
47.5°	5.2	5.2	2.6	0.0
45°	5.2	5.2	2.6	0.0
42.5°	5.2	5.2	2.6	0.0
40°	5.2	5.2	2.6	0.0
37.5°	5.2	5.2	2.6	0.0
35°	5.2	5.2	2.6	0.0
32.5°	7.9	5.2	2.6	0.0
30°	7.9	5.2	5.2	0.0
27.5°	7.9	5.2	5.2	0.0
25°	7.9	5.2	5.2	0.0
22.5°	7.9	5.2	5.2	0.0
20°	7.9	5.2	5.2	0.0
17.5°	7.9	5.2	5.2	0.0
15°	7.9	5.2	5.2	0.0
12.5°	7.9	5.2	5.2	0.0
10°	7.9	5.2	5.2	0.0
7.5°	7.9	5.2	5.2	0.0
5°	7.9	5.2	5.2	0.0
2.5°	7.9	5.2	5.2	0.0
0°	7.9	5.2	5.2	0.0
-2.5°	7.9	5.2	5.2	0.0
-5°	7.9	5.2	5.2	0.0
-7.5°	7.9	5.2	5.2	0.0
-10°	7.9	5.2	5.2	0.0
-12.5°	10.5	5.2	5.2	0.0
-15°	10.5	5.2	5.2	0.0
-17.5°	10.5	5.2	5.2	0.0
-20°	10.5	5.2	5.2	0.0

REPORT NUMBER: P723845

CATALOG NUMBER: IFLD-S-SA3E-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	10.5	5.2	5.2	0.0
-25°	10.5	5.2	5.2	0.0
-27.5°	10.5	5.2	5.2	0.0
-30°	10.5	5.2	5.2	0.0
-32.5°	10.5	5.2	5.2	0.0
-35°	10.5	5.2	5.2	0.0
-37.5°	10.5	5.2	5.2	0.0
-40°	10.5	5.2	5.2	0.0
-42.5°	7.9	5.2	2.6	0.0
-45°	10.5	5.2	2.6	0.0
-47.5°	10.5	5.2	2.6	0.0
-50°	10.5	5.2	2.6	0.0
-52.5°	10.5	5.2	2.6	0.0
-55°	10.5	5.2	2.6	0.0
-57.5°	10.5	5.2	2.6	0.0
-60°	10.5	5.2	2.6	0.0
-62.5°	10.5	5.2	2.6	0.0
-65°	10.5	5.2	2.6	0.0
-67.5°	10.5	5.2	2.6	0.0
-70°	10.5	2.6	2.6	0.0
-72.5°	7.9	2.6	2.6	0.0
-75°	7.9	2.6	2.6	0.0
-77.5°	5.2	2.6	0.0	0.0
-80°	5.2	2.6	0.0	0.0
-82.5°	5.2	2.6	0.0	0.0
-85°	2.6	0.0	0.0	0.0
-87.5°	2.6	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)