

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: P723641

Luminaire Tested: **IFLD-S-SA3D-727-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723641
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-727-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	10318.7 lumens	Max Intensity:	242761.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	56.0 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:	3742 lumens	Field Lumens:	5965.4 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

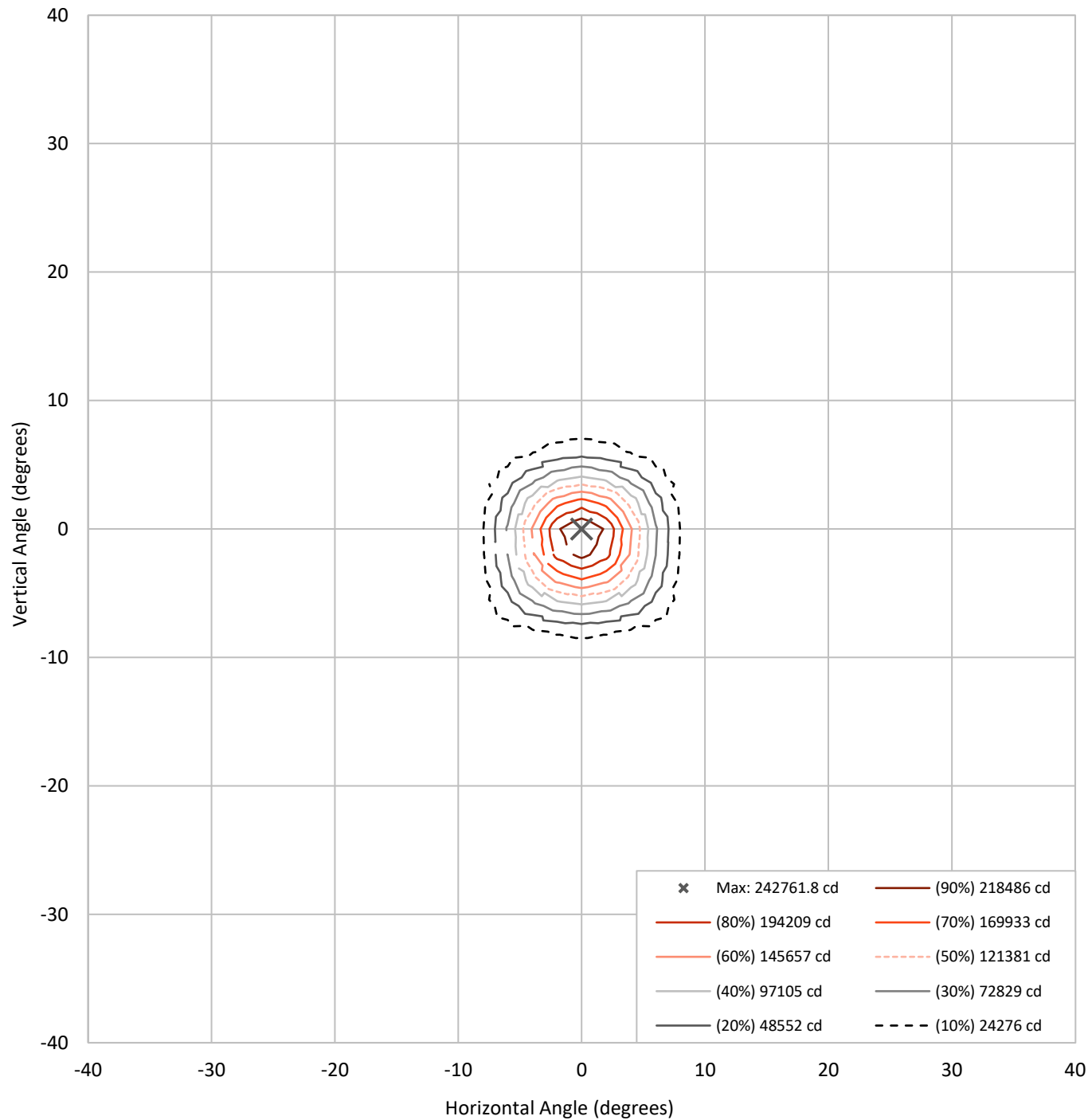
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT





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Iso-Candela Plot



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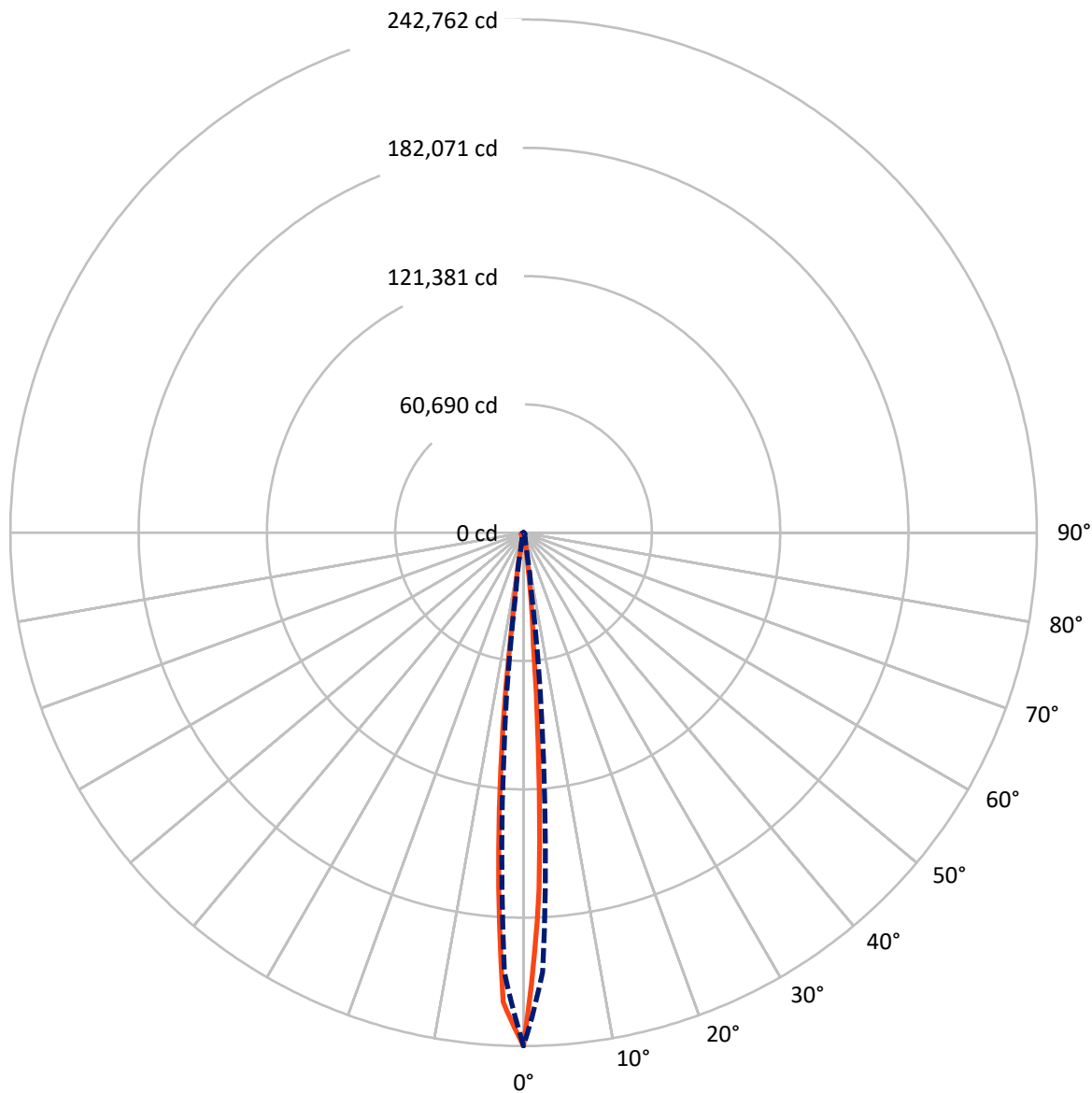
Lumen Table

Vertical Angle (degrees)																
	0.2	2.3		2.5		1.0		0.3		1.0		2.5		2.3		0.2
90																
80	0.2	2.3		2.5		1.0		0.3		1.0		2.5		2.3		0.2
70																
60	0.3	0.5	0.7	0.5	0.4	0.3	0.3	0.1	0.1	0.3	0.3	0.4	0.5	0.7	0.5	0.3
50		0.3	0.5	1.2	2.7	4.3	5.6	6.4	6.4	5.6	4.3	2.7	1.2	0.5	0.3	
40	0.3	0.3	1.4	4.7	9.3	13.5	16.3	18.0	18.0	16.3	13.5	9.3	4.7	1.4	0.3	0.3
30		0.7	3.6	9.7	15.7	18.4	19.9	20.6	20.6	19.9	18.4	15.7	9.7	3.6	0.7	
20	0.4	1.3	6.1	14.1	18.2	18.7	22.1	26.6	26.6	22.1	18.7	18.2	14.1	6.1	1.3	0.4
10		2.1	8.6	17.3	19.4	21.9	38.4	65.5	65.5	38.4	21.9	19.4	17.3	8.6	2.1	
0	0.7	2.7	10.5	19.0	20.1	27.0	73.1	1354.6	1354.6	73.1	27.0	20.1	19.0	10.5	2.7	0.7
-10		3.2	11.5	19.9	20.8	27.9	78.7	1975.1	1975.1	78.7	27.9	20.8	19.9	11.5	3.2	
-20	1.0	3.4	11.8	21.0	22.6	25.2	45.8	87.9	87.9	45.8	25.2	22.6	21.0	11.8	3.4	1.0
-30		3.2	11.2	21.2	25.3	25.4	29.6	36.2	36.2	29.6	25.4	25.3	21.2	11.2	3.2	
-40	1.1	2.9	9.9	20.3	27.9	30.4	31.6	31.9	31.9	31.6	30.4	27.9	20.3	9.9	2.9	1.1
-50		2.5	8.0	17.2	26.9	32.7	36.6	38.4	38.4	36.6	32.7	26.9	17.2	8.0	2.5	
-60	0.9	2.3	6.2	13.4	22.9	30.8	35.7	37.8	37.8	35.7	30.8	22.9	13.4	6.2	2.3	0.9
-70		2.1	5.4	10.9	19.1	26.9	32.6	35.2	35.2	32.6	26.9	19.1	10.9	5.4	2.1	
-80	0.4	6.4		19.0		35.2		38.9		35.2		19.0		6.4		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



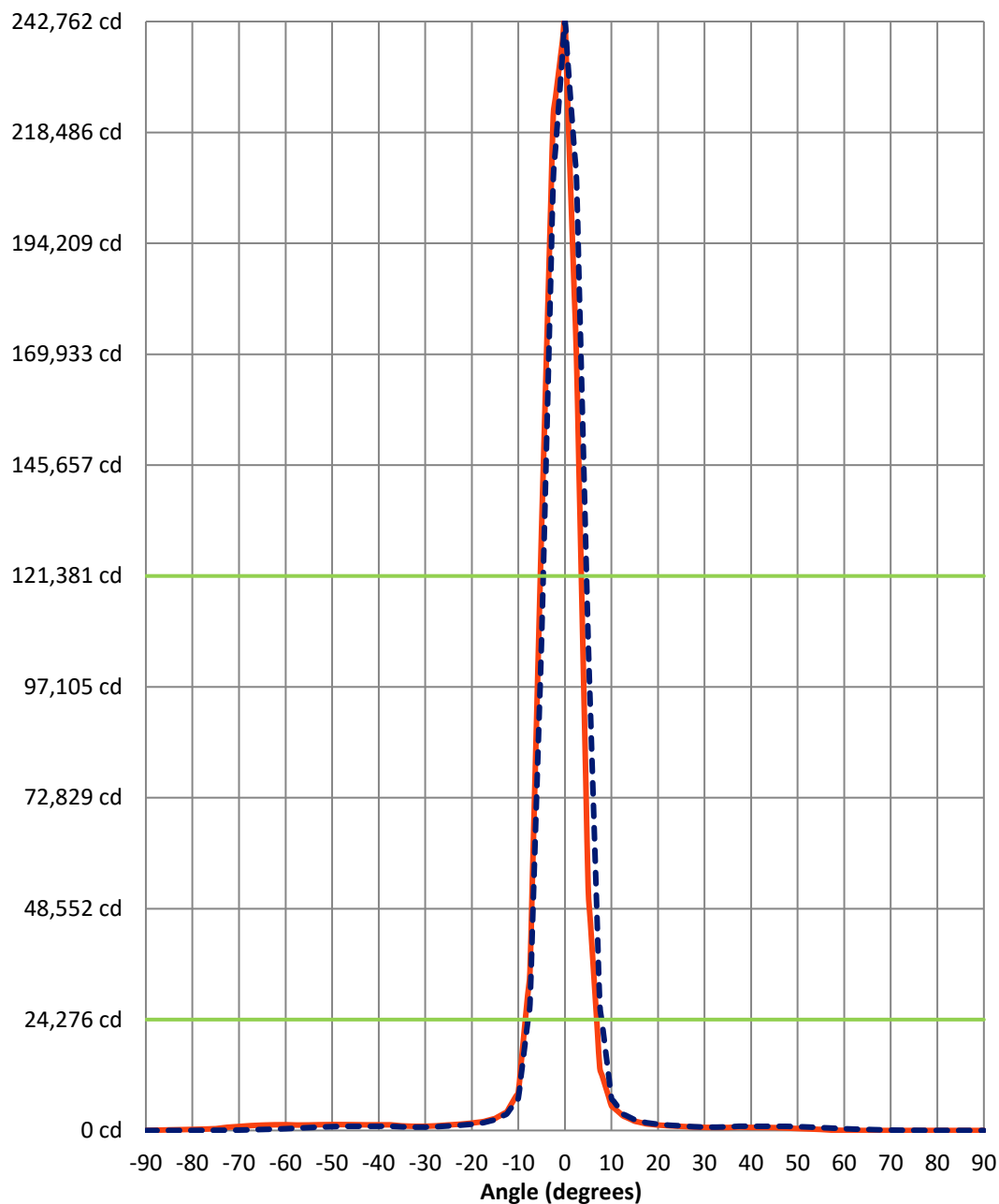
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 3742

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 5965.4

Efficiency: 57.8%

Spill:

Lumens: 4353.2

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	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	0.0	2.4	2.4	4.8	4.8	4.8	7.1	9.5	11.9	11.9	14.3
82.5°	0.0	2.4	2.4	4.8	4.8	7.1	7.1	11.9	14.3	16.7	21.4
80°	2.4	2.4	2.4	4.8	4.8	7.1	7.1	9.5	11.9	16.7	19.1
77.5°	0.0	2.4	2.4	2.4	4.8	4.8	4.8	7.1	9.5	11.9	14.3
75°	0.0	2.4	2.4	2.4	4.8	4.8	4.8	4.8	7.1	7.1	9.5
72.5°	0.0	0.0	0.0	2.4	2.4	4.8	4.8	4.8	7.1	7.1	7.1
70°	0.0	0.0	0.0	2.4	2.4	4.8	4.8	4.8	7.1	7.1	7.1
67.5°	0.0	0.0	0.0	2.4	2.4	4.8	4.8	4.8	7.1	7.1	7.1
65°	0.0	0.0	0.0	2.4	2.4	4.8	4.8	7.1	7.1	7.1	7.1
62.5°	2.4	2.4	2.4	4.8	7.1	7.1	9.5	11.9	11.9	11.9	11.9
60°	23.8	26.2	28.6	28.6	26.2	26.2	28.6	28.6	28.6	28.6	28.6
57.5°	64.3	69.1	71.5	71.5	71.5	69.1	78.6	81.0	71.5	66.7	73.8
55°	223.9	231.1	226.3	219.1	204.9	188.2	183.4	181.0	183.4	171.5	152.4
52.5°	326.3	333.5	331.1	326.3	316.8	304.9	295.4	285.8	276.3	257.3	235.8
50°	424.0	426.4	424.0	419.2	409.7	397.8	378.7	357.3	338.2	333.5	314.4
47.5°	533.6	540.7	540.7	538.3	531.2	509.8	481.2	450.2	435.9	431.1	412.1
45°	631.2	636.0	638.4	640.8	638.4	616.9	590.7	574.1	543.1	533.6	533.6
42.5°	657.4	659.8	662.2	664.6	671.7	655.1	633.6	605.0	597.9	595.5	590.7
40°	667.0	662.2	664.6	667.0	669.3	657.4	640.8	624.1	619.3	614.6	614.6
37.5°	757.5	736.0	719.4	705.1	693.2	681.3	664.6	650.3	638.4	628.9	638.4
35°	645.5	645.5	662.2	676.5	690.8	705.1	707.5	690.8	664.6	652.7	669.3
32.5°	659.8	659.8	659.8	664.6	669.3	681.3	693.2	700.3	719.4	697.9	697.9
30°	674.1	676.5	681.3	683.6	676.5	671.7	667.0	667.0	678.9	709.8	726.5
27.5°	757.5	757.5	750.3	740.8	719.4	686.0	669.3	645.5	647.9	662.2	702.7
25°	893.3	888.5	871.8	848.0	809.9	762.2	717.0	667.0	645.5	638.4	655.1
22.5°	1021.9	1014.7	993.3	971.9	940.9	893.3	817.0	740.8	674.1	645.5	638.4
20°	1186.2	1169.6	1145.8	1112.4	1062.4	1014.7	948.0	848.0	750.3	676.5	647.9
17.5°	1450.7	1429.2	1384.0	1324.4	1238.7	1164.8	1069.5	974.2	864.7	745.6	681.3
15°	2029.5	1974.7	1896.1	1731.7	1562.6	1422.1	1279.1	1119.6	1007.6	850.4	752.7
12.5°	3191.9	3041.8	2813.2	2429.7	2050.9	1724.6	1493.5	1288.7	1107.6	962.3	824.2
10°	5402.4	5080.9	4449.6	3401.5	2703.6	2103.3	1688.9	1414.9	1186.2	1036.2	883.7
7.5°	13663.3	11145.5	7886.9	5385.8	3537.3	2570.2	1931.8	1534.0	1269.6	1083.8	931.4
5°	53252.6	43867.4	23401.0	9766.3	5321.4	3108.5	2151.0	1629.3	1324.4	1119.6	967.1
2.5°	169007.1	145949.1	76572.6	21023.8	6533.9	3501.6	2301.0	1688.9	1355.4	1145.8	993.3
0°	242761.8	208055.7	107465.1	27650.6	7086.5	3601.6	2348.7	1700.8	1360.1	1150.5	993.3
-2.5°	222085.8	194368.5	103811.1	25730.6	7241.4	3630.2	2386.8	1741.3	1395.9	1172.0	1000.5
-5°	131961.9	115749.8	72416.0	18346.4	6433.9	3370.6	2286.7	1705.5	1372.0	1160.0	995.7
-7.5°	34768.0	30099.3	19799.4	9573.4	4163.8	2851.3	2100.9	1646.0	1341.1	1138.6	976.6
-10°	8382.3	7944.1	7096.1	4349.6	3241.9	2382.0	1862.7	1538.8	1279.1	1110.0	945.7
-12.5°	4042.3	3947.0	3582.6	2953.7	2405.8	1979.5	1686.5	1426.8	1222.0	1060.0	902.8
-15°	2629.8	2575.0	2451.1	2210.5	1931.8	1727.0	1522.1	1312.5	1150.5	986.2	867.1
-17.5°	1946.1	1943.7	1881.8	1791.3	1653.1	1500.7	1350.6	1217.2	1060.0	919.5	828.9
-20°	1612.6	1612.6	1576.9	1517.4	1419.7	1319.6	1219.6	1095.7	967.1	862.3	824.2

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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°	1369.7	1372.0	1353.0	1314.9	1262.5	1179.1	1081.4	981.4	888.5	850.4	838.5
-25°	1212.5	1207.7	1186.2	1150.5	1095.7	1029.0	964.7	898.0	871.8	862.3	879.0
-27.5°	1026.7	1033.8	1024.3	1007.6	971.9	924.2	909.9	890.9	895.6	909.9	974.2
-30°	917.1	924.2	933.8	940.9	929.0	917.1	921.8	936.1	967.1	1021.9	1045.7
-32.5°	917.1	919.5	933.8	948.0	955.2	964.7	990.9	1038.6	1083.8	1069.5	1064.8
-35°	1000.5	993.3	1012.4	1031.4	1057.6	1091.0	1119.6	1110.0	1093.3	1088.6	1093.3
-37.5°	1238.7	1193.4	1174.3	1162.4	1155.3	1150.5	1143.4	1136.2	1129.1	1124.3	1131.5
-40°	1236.3	1224.4	1212.5	1202.9	1195.8	1186.2	1181.5	1179.1	1172.0	1167.2	1162.4
-42.5°	1231.5	1236.3	1236.3	1233.9	1236.3	1233.9	1226.7	1217.2	1205.3	1195.8	1186.2
-45°	1267.2	1269.6	1274.4	1279.1	1286.3	1276.8	1262.5	1245.8	1229.1	1214.8	1202.9
-47.5°	1288.7	1291.1	1295.8	1303.0	1307.7	1298.2	1279.1	1257.7	1231.5	1207.7	1183.9
-50°	1295.8	1303.0	1305.4	1305.4	1303.0	1291.1	1262.5	1231.5	1202.9	1179.1	1157.7
-52.5°	1262.5	1269.6	1272.0	1267.2	1264.9	1252.9	1226.7	1198.2	1167.2	1150.5	1131.5
-55°	1207.7	1217.2	1224.4	1224.4	1224.4	1222.0	1198.2	1172.0	1148.1	1129.1	1110.0
-57.5°	1186.2	1202.9	1217.2	1219.6	1222.0	1224.4	1207.7	1181.5	1152.9	1124.3	1100.5
-60°	1264.9	1279.1	1286.3	1276.8	1269.6	1262.5	1236.3	1205.3	1176.7	1148.1	1102.9
-62.5°	1243.4	1267.2	1279.1	1272.0	1262.5	1250.6	1222.0	1186.2	1152.9	1121.9	1076.7
-65°	1174.3	1195.8	1210.1	1198.2	1183.9	1167.2	1141.0	1107.6	1076.7	1045.7	1005.2
-67.5°	1057.6	1088.6	1112.4	1086.2	1067.1	1045.7	1024.3	995.7	964.7	929.0	890.9
-70°	874.2	898.0	919.5	912.3	907.6	902.8	888.5	859.9	833.7	805.1	771.8
-72.5°	702.7	724.1	743.2	731.3	721.8	707.5	686.0	655.1	624.1	593.1	562.2
-75°	388.3	395.4	402.6	400.2	400.2	400.2	400.2	402.6	397.8	390.7	376.4
-77.5°	297.8	307.3	314.4	319.2	326.3	335.9	343.0	331.1	319.2	307.3	293.0
-80°	233.4	243.0	250.1	276.3	295.4	316.8	331.1	314.4	297.8	283.5	271.6
-82.5°	176.3	183.4	190.6	204.9	214.4	226.3	235.8	235.8	233.4	231.1	223.9
-85°	128.6	138.2	147.7	152.4	159.6	159.6	162.0	152.4	142.9	135.8	126.2
-87.5°	73.8	76.2	76.2	76.2	78.6	78.6	78.6	73.8	71.5	66.7	64.3
-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):

	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°	2.4	2.4	2.4	4.8	4.8	7.1	7.1	9.5	9.5	11.9	11.9
85°	14.3	14.3	14.3	16.7	16.7	19.1	21.4	23.8	26.2	26.2	28.6
82.5°	23.8	26.2	28.6	31.0	33.3	35.7	38.1	40.5	47.6	52.4	54.8
80°	23.8	26.2	33.3	38.1	42.9	47.6	47.6	47.6	47.6	50.0	54.8
77.5°	16.7	19.1	21.4	26.2	38.1	47.6	54.8	59.6	54.8	52.4	47.6
75°	9.5	11.9	14.3	16.7	23.8	33.3	45.3	57.2	66.7	64.3	59.6
72.5°	9.5	9.5	11.9	14.3	16.7	19.1	21.4	33.3	47.6	59.6	66.7
70°	9.5	11.9	11.9	14.3	16.7	19.1	21.4	26.2	33.3	47.6	61.9
67.5°	9.5	11.9	11.9	16.7	21.4	23.8	26.2	23.8	21.4	31.0	45.3
65°	9.5	9.5	11.9	14.3	16.7	19.1	26.2	26.2	23.8	23.8	23.8
62.5°	14.3	14.3	14.3	14.3	16.7	16.7	16.7	21.4	21.4	21.4	21.4
60°	28.6	26.2	26.2	26.2	26.2	21.4	21.4	21.4	19.1	21.4	19.1
57.5°	69.1	57.2	52.4	52.4	45.3	42.9	35.7	26.2	26.2	21.4	21.4
55°	140.5	133.4	112.0	92.9	83.4	73.8	57.2	47.6	35.7	28.6	26.2
52.5°	216.8	197.7	178.7	154.8	131.0	112.0	95.3	73.8	59.6	42.9	33.3
50°	283.5	266.8	245.3	219.1	188.2	164.4	140.5	112.0	88.1	66.7	47.6
47.5°	385.9	352.5	326.3	295.4	259.6	226.3	195.3	162.0	123.9	97.7	73.8
45°	495.5	447.8	412.1	383.5	335.9	290.6	254.9	219.1	173.9	128.6	100.0
42.5°	571.7	536.0	488.3	450.2	407.3	359.7	312.0	273.9	226.3	173.9	128.6
40°	612.2	588.4	550.2	516.9	471.6	419.2	369.2	331.1	281.1	223.9	162.0
37.5°	643.1	631.2	612.2	586.0	543.1	481.2	431.1	385.9	343.0	276.3	209.6
35°	678.9	676.5	664.6	652.7	616.9	557.4	497.8	445.4	393.0	331.1	257.3
32.5°	712.2	709.8	702.7	697.9	683.6	631.2	566.9	507.4	447.8	383.5	302.5
30°	728.9	724.1	724.1	728.9	714.6	681.3	633.6	569.3	502.6	426.4	350.2
27.5°	728.9	724.1	726.5	733.7	731.3	714.6	678.9	626.5	552.6	466.9	393.0
25°	697.9	721.8	721.8	731.3	733.7	728.9	709.8	676.5	600.3	509.8	426.4
22.5°	655.1	712.2	733.7	731.3	733.7	745.6	748.0	717.0	645.5	552.6	459.7
20°	655.1	695.6	757.5	740.8	745.6	771.8	783.7	757.5	693.2	593.1	493.1
17.5°	669.3	695.6	748.0	774.2	781.3	802.7	821.8	805.1	736.0	636.0	538.3
15°	709.8	705.1	740.8	805.1	817.0	833.7	855.1	836.1	774.2	683.6	581.2
12.5°	738.4	712.2	740.8	809.9	848.0	864.7	871.8	857.5	807.5	726.5	624.1
10°	776.5	731.3	745.6	805.1	859.9	871.8	879.0	874.2	838.5	762.2	662.2
7.5°	805.1	740.8	740.8	798.0	871.8	881.3	886.1	890.9	864.7	793.2	695.6
5°	817.0	740.8	736.0	790.8	883.7	893.3	893.3	900.4	883.7	817.0	719.4
2.5°	819.4	738.4	731.3	786.1	905.2	905.2	900.4	907.6	898.0	831.3	736.0
0°	831.3	736.0	728.9	793.2	929.0	919.5	907.6	909.9	905.2	838.5	745.6
-2.5°	831.3	748.0	738.4	798.0	926.6	924.2	919.5	921.8	917.1	859.9	764.6
-5°	843.2	764.6	755.1	819.4	924.2	931.4	933.8	933.8	926.6	874.2	776.5
-7.5°	845.6	776.5	774.2	840.9	929.0	940.9	948.0	952.8	938.5	883.7	786.1
-10°	833.7	781.3	793.2	867.1	933.8	950.4	964.7	971.9	948.0	888.5	790.8
-12.5°	807.5	781.3	812.3	900.4	945.7	964.7	986.2	988.5	957.6	890.9	793.2
-15°	805.1	800.4	845.6	933.8	952.8	976.6	1010.0	1002.8	964.7	890.9	793.2
-17.5°	802.7	826.6	895.6	945.7	964.7	990.9	1017.1	1010.0	969.5	890.9	788.5
-20°	824.2	869.4	955.2	957.6	979.0	1007.6	1021.9	1007.6	962.3	883.7	781.3

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CATALOG NUMBER: IFLD-S-SA3D-727-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°	859.9	945.7	974.2	983.8	1002.8	1024.3	1031.4	1010.0	955.2	871.8	769.4
-25°	950.4	993.3	993.3	1014.7	1033.8	1043.3	1036.2	1012.4	945.7	859.9	757.5
-27.5°	1019.5	1017.1	1029.0	1050.5	1067.1	1067.1	1048.1	1000.5	931.4	848.0	740.8
-30°	1045.7	1048.1	1064.8	1088.6	1093.3	1081.4	1052.9	990.9	919.5	828.9	719.4
-32.5°	1071.9	1081.4	1102.9	1114.8	1117.2	1093.3	1040.9	974.2	900.4	807.5	695.6
-35°	1102.9	1121.9	1133.8	1136.2	1124.3	1083.8	1024.3	952.8	871.8	776.5	674.1
-37.5°	1143.4	1152.9	1160.0	1150.5	1117.2	1069.5	995.7	924.2	845.6	743.2	643.1
-40°	1169.6	1174.3	1176.7	1145.8	1105.3	1036.2	964.7	890.9	800.4	705.1	609.8
-42.5°	1186.2	1181.5	1162.4	1129.1	1069.5	1002.8	933.8	850.4	759.9	667.0	574.1
-45°	1181.5	1164.8	1136.2	1095.7	1033.8	967.1	886.1	802.7	717.0	626.5	533.6
-47.5°	1162.4	1136.2	1100.5	1052.9	995.7	914.7	833.7	752.7	669.3	581.2	495.5
-50°	1138.6	1107.6	1064.8	1005.2	929.0	855.1	781.3	702.7	616.9	536.0	459.7
-52.5°	1112.4	1079.1	1024.3	957.6	874.2	798.0	726.5	650.3	571.7	495.5	428.8
-55°	1083.8	1050.5	988.5	912.3	828.9	745.6	676.5	612.2	536.0	462.1	402.6
-57.5°	1069.5	1026.7	962.3	886.1	798.0	712.2	652.7	583.6	514.5	438.3	381.1
-60°	1057.6	1014.7	955.2	867.1	783.7	702.7	633.6	566.9	493.1	421.6	364.4
-62.5°	1024.3	979.0	924.2	838.5	757.5	683.6	621.7	543.1	471.6	404.9	352.5
-65°	957.6	909.9	862.3	786.1	712.2	643.1	581.2	509.8	443.1	385.9	340.6
-67.5°	852.8	812.3	769.4	705.1	643.1	581.2	524.0	462.1	407.3	366.8	343.0
-70°	736.0	693.2	650.3	597.9	545.5	495.5	450.2	404.9	369.2	347.8	328.7
-72.5°	536.0	516.9	495.5	455.0	412.1	381.1	359.7	340.6	314.4	295.4	283.5
-75°	357.3	331.1	297.8	283.5	285.8	281.1	269.2	254.9	243.0	235.8	219.1
-77.5°	278.7	264.4	247.7	231.1	223.9	216.8	207.2	195.3	185.8	169.1	145.3
-80°	257.3	245.3	233.4	221.5	209.6	192.9	173.9	154.8	145.3	138.2	135.8
-82.5°	212.0	197.7	183.4	171.5	154.8	142.9	131.0	121.5	121.5	119.1	116.7
-85°	121.5	116.7	109.6	104.8	100.0	92.9	85.8	81.0	78.6	76.2	73.8
-87.5°	61.9	59.6	54.8	52.4	50.0	47.6	42.9	40.5	38.1	38.1	35.7
-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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CATALOG NUMBER: IFLD-S-SA3D-727-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°	11.9	11.9	9.5	9.5	9.5	7.1	4.8	4.8	2.4	2.4	0.0
85°	28.6	23.8	21.4	19.1	19.1	14.3	9.5	7.1	4.8	2.4	2.4
82.5°	54.8	47.6	40.5	35.7	28.6	21.4	16.7	11.9	7.1	4.8	2.4
80°	61.9	61.9	59.6	50.0	40.5	31.0	21.4	14.3	9.5	7.1	4.8
77.5°	47.6	52.4	52.4	52.4	50.0	38.1	26.2	16.7	9.5	7.1	4.8
75°	54.8	47.6	45.3	47.6	45.3	38.1	31.0	19.1	11.9	9.5	4.8
72.5°	66.7	57.2	50.0	47.6	42.9	35.7	28.6	21.4	11.9	9.5	7.1
70°	61.9	59.6	54.8	50.0	42.9	35.7	28.6	21.4	14.3	9.5	7.1
67.5°	54.8	54.8	54.8	50.0	42.9	33.3	26.2	19.1	14.3	9.5	7.1
65°	38.1	45.3	50.0	47.6	42.9	33.3	26.2	19.1	14.3	11.9	7.1
62.5°	23.8	31.0	40.5	45.3	40.5	33.3	23.8	19.1	14.3	11.9	7.1
60°	21.4	23.8	28.6	35.7	38.1	31.0	23.8	16.7	14.3	11.9	7.1
57.5°	21.4	21.4	23.8	28.6	31.0	28.6	21.4	14.3	14.3	11.9	9.5
55°	23.8	21.4	21.4	23.8	26.2	26.2	21.4	14.3	14.3	11.9	9.5
52.5°	28.6	23.8	21.4	21.4	21.4	23.8	19.1	14.3	14.3	11.9	9.5
50°	35.7	28.6	26.2	21.4	21.4	21.4	19.1	14.3	11.9	11.9	9.5
47.5°	47.6	38.1	28.6	26.2	21.4	19.1	16.7	14.3	11.9	11.9	9.5
45°	71.5	45.3	38.1	28.6	23.8	21.4	19.1	14.3	11.9	11.9	9.5
42.5°	97.7	66.7	47.6	33.3	26.2	21.4	19.1	16.7	11.9	11.9	9.5
40°	123.9	90.5	59.6	42.9	31.0	23.8	19.1	16.7	14.3	11.9	9.5
37.5°	152.4	112.0	78.6	54.8	35.7	26.2	21.4	16.7	14.3	11.9	9.5
35°	188.2	140.5	97.7	66.7	42.9	31.0	23.8	16.7	14.3	11.9	9.5
32.5°	228.7	166.7	116.7	81.0	54.8	38.1	26.2	19.1	14.3	11.9	9.5
30°	266.8	197.7	138.2	97.7	66.7	42.9	28.6	19.1	14.3	11.9	7.1
27.5°	304.9	228.7	164.4	114.3	81.0	50.0	31.0	21.4	14.3	11.9	9.5
25°	343.0	259.6	190.6	131.0	92.9	59.6	38.1	23.8	14.3	11.9	9.5
22.5°	376.4	290.6	214.4	150.1	107.2	69.1	42.9	26.2	16.7	11.9	9.5
20°	414.5	324.0	240.6	171.5	119.1	78.6	47.6	28.6	16.7	11.9	9.5
17.5°	450.2	357.3	266.8	190.6	133.4	88.1	54.8	31.0	19.1	11.9	9.5
15°	485.9	388.3	290.6	209.6	147.7	97.7	59.6	33.3	21.4	11.9	9.5
12.5°	519.3	416.9	312.0	226.3	159.6	107.2	64.3	35.7	23.8	11.9	9.5
10°	550.2	443.1	333.5	240.6	171.5	114.3	69.1	40.5	26.2	11.9	9.5
7.5°	581.2	464.5	350.2	254.9	185.8	123.9	73.8	42.9	28.6	14.3	9.5
5°	600.3	483.6	364.4	266.8	197.7	133.4	78.6	45.3	31.0	14.3	9.5
2.5°	616.9	497.8	374.0	278.7	209.6	140.5	78.6	47.6	33.3	14.3	9.5
0°	626.5	507.4	381.1	285.8	219.1	145.3	81.0	50.0	35.7	14.3	9.5
-2.5°	647.9	524.0	397.8	295.4	228.7	159.6	85.8	52.4	38.1	16.7	9.5
-5°	662.2	533.6	409.7	304.9	235.8	173.9	92.9	57.2	42.9	21.4	11.9
-7.5°	674.1	543.1	419.2	309.7	243.0	178.7	95.3	59.6	45.3	23.8	11.9
-10°	676.5	547.9	426.4	316.8	247.7	185.8	97.7	61.9	47.6	26.2	11.9
-12.5°	678.9	552.6	428.8	321.6	252.5	190.6	100.0	64.3	50.0	28.6	11.9
-15°	676.5	550.2	428.8	326.3	254.9	185.8	104.8	66.7	52.4	31.0	11.9
-17.5°	671.7	547.9	426.4	324.0	252.5	181.0	107.2	71.5	52.4	33.3	14.3
-20°	664.6	540.7	421.6	321.6	250.1	176.3	109.6	73.8	54.8	33.3	14.3

REPORT NUMBER: P723641

CATALOG NUMBER: IFLD-S-SA3D-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	652.7	528.8	412.1	314.4	245.3	171.5	109.6	78.6	57.2	33.3	14.3
-25°	638.4	516.9	402.6	304.9	238.2	164.4	109.6	81.0	59.6	33.3	14.3
-27.5°	621.7	505.0	388.3	297.8	228.7	159.6	109.6	83.4	61.9	33.3	14.3
-30°	602.7	488.3	376.4	285.8	221.5	159.6	112.0	85.8	64.3	33.3	14.3
-32.5°	583.6	471.6	362.1	276.3	212.0	157.2	112.0	88.1	66.7	31.0	16.7
-35°	562.2	452.6	350.2	269.2	204.9	152.4	114.3	88.1	64.3	31.0	16.7
-37.5°	536.0	428.8	338.2	262.0	200.1	147.7	114.3	90.5	61.9	31.0	16.7
-40°	507.4	409.7	324.0	252.5	192.9	145.3	114.3	90.5	59.6	31.0	19.1
-42.5°	476.4	388.3	309.7	243.0	185.8	142.9	114.3	90.5	57.2	31.0	19.1
-45°	447.8	366.8	293.0	231.1	178.7	142.9	114.3	88.1	52.4	33.3	19.1
-47.5°	416.9	343.0	273.9	219.1	176.3	140.5	112.0	83.4	47.6	33.3	19.1
-50°	390.7	319.2	259.6	207.2	171.5	142.9	114.3	76.2	47.6	33.3	19.1
-52.5°	364.4	302.5	243.0	202.5	166.7	145.3	112.0	71.5	47.6	33.3	19.1
-55°	343.0	285.8	233.4	195.3	171.5	150.1	107.2	64.3	47.6	33.3	19.1
-57.5°	326.3	276.3	226.3	197.7	178.7	145.3	100.0	61.9	47.6	31.0	19.1
-60°	314.4	266.8	228.7	207.2	181.0	138.2	95.3	61.9	47.6	31.0	16.7
-62.5°	304.9	269.2	240.6	214.4	171.5	128.6	90.5	61.9	42.9	28.6	16.7
-65°	307.3	278.7	245.3	204.9	164.4	119.1	83.4	59.6	40.5	26.2	16.7
-67.5°	314.4	271.6	231.1	192.9	147.7	107.2	76.2	54.8	38.1	26.2	16.7
-70°	290.6	250.1	209.6	164.4	126.2	92.9	71.5	50.0	33.3	23.8	16.7
-72.5°	262.0	209.6	166.7	133.4	107.2	85.8	64.3	45.3	31.0	21.4	14.3
-75°	190.6	152.4	123.9	112.0	95.3	76.2	57.2	40.5	28.6	21.4	14.3
-77.5°	135.8	126.2	114.3	102.4	85.8	66.7	50.0	38.1	26.2	19.1	11.9
-80°	133.4	121.5	107.2	88.1	71.5	57.2	42.9	33.3	23.8	16.7	9.5
-82.5°	112.0	95.3	81.0	66.7	54.8	45.3	35.7	26.2	19.1	11.9	7.1
-85°	69.1	59.6	52.4	45.3	38.1	31.0	23.8	16.7	11.9	7.1	4.8
-87.5°	33.3	31.0	26.2	21.4	19.1	14.3	11.9	9.5	7.1	4.8	2.4
-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: P723641

CATALOG NUMBER: IFLD-S-SA3D-727-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°	2.4	0.0	0.0	0.0
80°	2.4	0.0	0.0	0.0
77.5°	2.4	0.0	0.0	0.0
75°	2.4	2.4	0.0	0.0
72.5°	2.4	2.4	0.0	0.0
70°	4.8	2.4	2.4	0.0
67.5°	4.8	2.4	2.4	0.0
65°	4.8	2.4	2.4	0.0
62.5°	4.8	2.4	2.4	0.0
60°	4.8	2.4	2.4	0.0
57.5°	4.8	2.4	2.4	0.0
55°	4.8	2.4	2.4	0.0
52.5°	4.8	2.4	2.4	0.0
50°	4.8	2.4	2.4	0.0
47.5°	4.8	4.8	2.4	0.0
45°	4.8	4.8	2.4	0.0
42.5°	4.8	4.8	2.4	0.0
40°	4.8	4.8	2.4	0.0
37.5°	4.8	4.8	2.4	0.0
35°	4.8	4.8	2.4	0.0
32.5°	7.1	4.8	2.4	0.0
30°	7.1	4.8	4.8	0.0
27.5°	7.1	4.8	4.8	0.0
25°	7.1	4.8	4.8	0.0
22.5°	7.1	4.8	4.8	0.0
20°	7.1	4.8	4.8	0.0
17.5°	7.1	4.8	4.8	0.0
15°	7.1	4.8	4.8	0.0
12.5°	7.1	4.8	4.8	0.0
10°	7.1	4.8	4.8	0.0
7.5°	7.1	4.8	4.8	0.0
5°	7.1	4.8	4.8	0.0
2.5°	7.1	4.8	4.8	0.0
0°	7.1	4.8	4.8	0.0
-2.5°	7.1	4.8	4.8	0.0
-5°	7.1	4.8	4.8	0.0
-7.5°	7.1	4.8	4.8	0.0
-10°	7.1	4.8	4.8	0.0
-12.5°	9.5	4.8	4.8	0.0
-15°	9.5	4.8	4.8	0.0
-17.5°	9.5	4.8	4.8	0.0
-20°	9.5	4.8	4.8	0.0

REPORT NUMBER: P723641

CATALOG NUMBER: IFLD-S-SA3D-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	9.5	4.8	4.8	0.0
-25°	9.5	4.8	4.8	0.0
-27.5°	9.5	4.8	4.8	0.0
-30°	9.5	4.8	4.8	0.0
-32.5°	9.5	4.8	4.8	0.0
-35°	9.5	4.8	4.8	0.0
-37.5°	9.5	4.8	4.8	0.0
-40°	9.5	4.8	4.8	0.0
-42.5°	7.1	4.8	2.4	0.0
-45°	9.5	4.8	2.4	0.0
-47.5°	9.5	4.8	2.4	0.0
-50°	9.5	4.8	2.4	0.0
-52.5°	9.5	4.8	2.4	0.0
-55°	9.5	4.8	2.4	0.0
-57.5°	9.5	4.8	2.4	0.0
-60°	9.5	4.8	2.4	0.0
-62.5°	9.5	4.8	2.4	0.0
-65°	9.5	4.8	2.4	0.0
-67.5°	9.5	4.8	2.4	0.0
-70°	9.5	2.4	2.4	0.0
-72.5°	7.1	2.4	2.4	0.0
-75°	7.1	2.4	2.4	0.0
-77.5°	4.8	2.4	0.0	0.0
-80°	4.8	2.4	0.0	0.0
-82.5°	4.8	2.4	0.0	0.0
-85°	2.4	0.0	0.0	0.0
-87.5°	2.4	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)