

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: P623575

Luminaire Tested: **IFLD-L-SA8A-722-U-55**

Issue Date: 11/2/2022

Test Information

Test Method: LM-79-2019
Report Number: P623575
Test Lab: INNOVATION CENTER(G2)
Issue Date: 11/2/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-722-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	26310 lumens	Max Intensity:	32151.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 10°V
Efficacy:	106.2 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		

Beam Angle (50%):	49.5°H x 53.1°V	Field Angle (10%):	73.6°H x 75.3°V
Beam Lumens:	13076.7 lumens	Field Lumens:	17006.7 lumens
Beam Efficiency:	49.7%	Field Efficiency:	64.6%

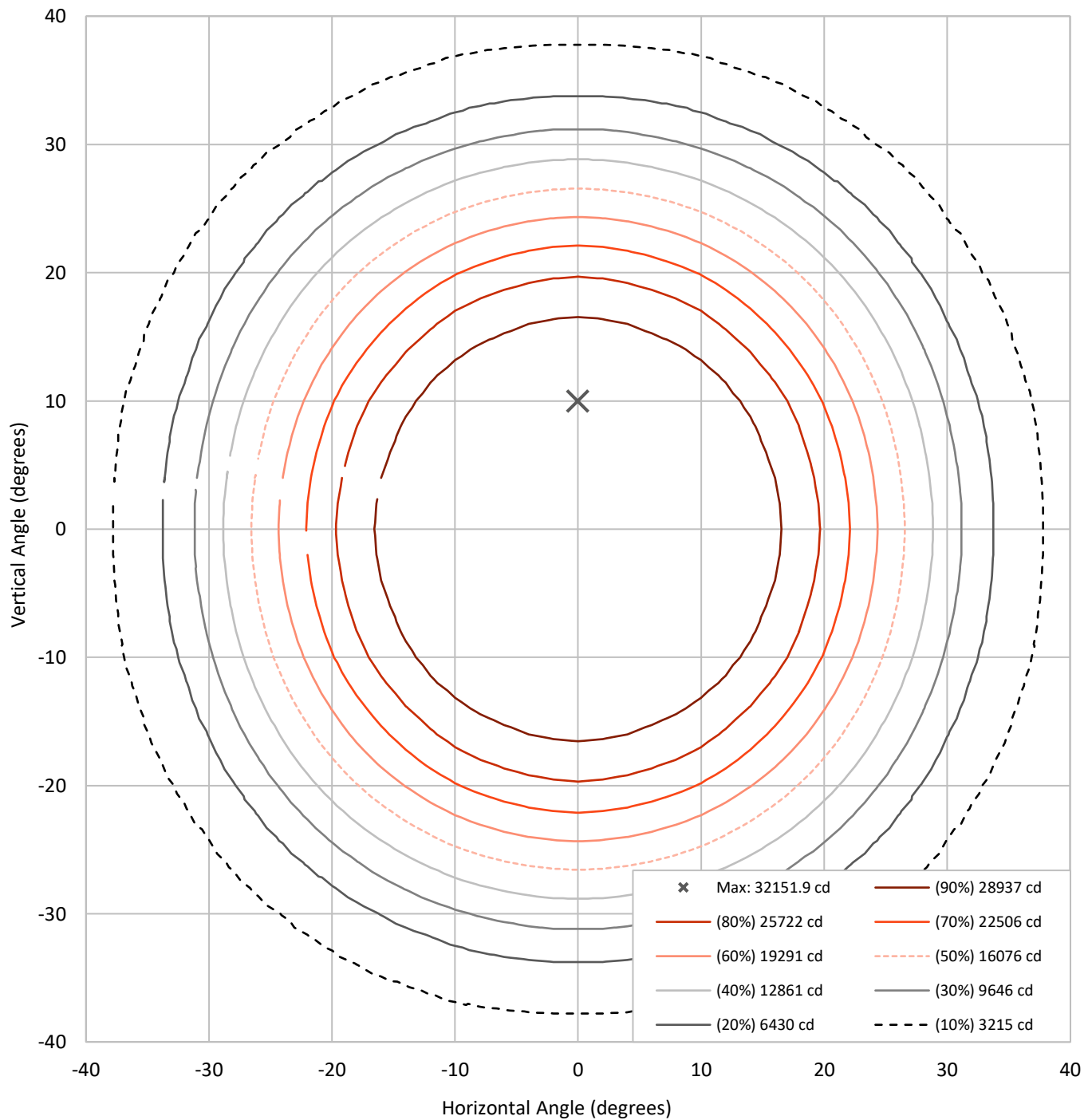
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P623575

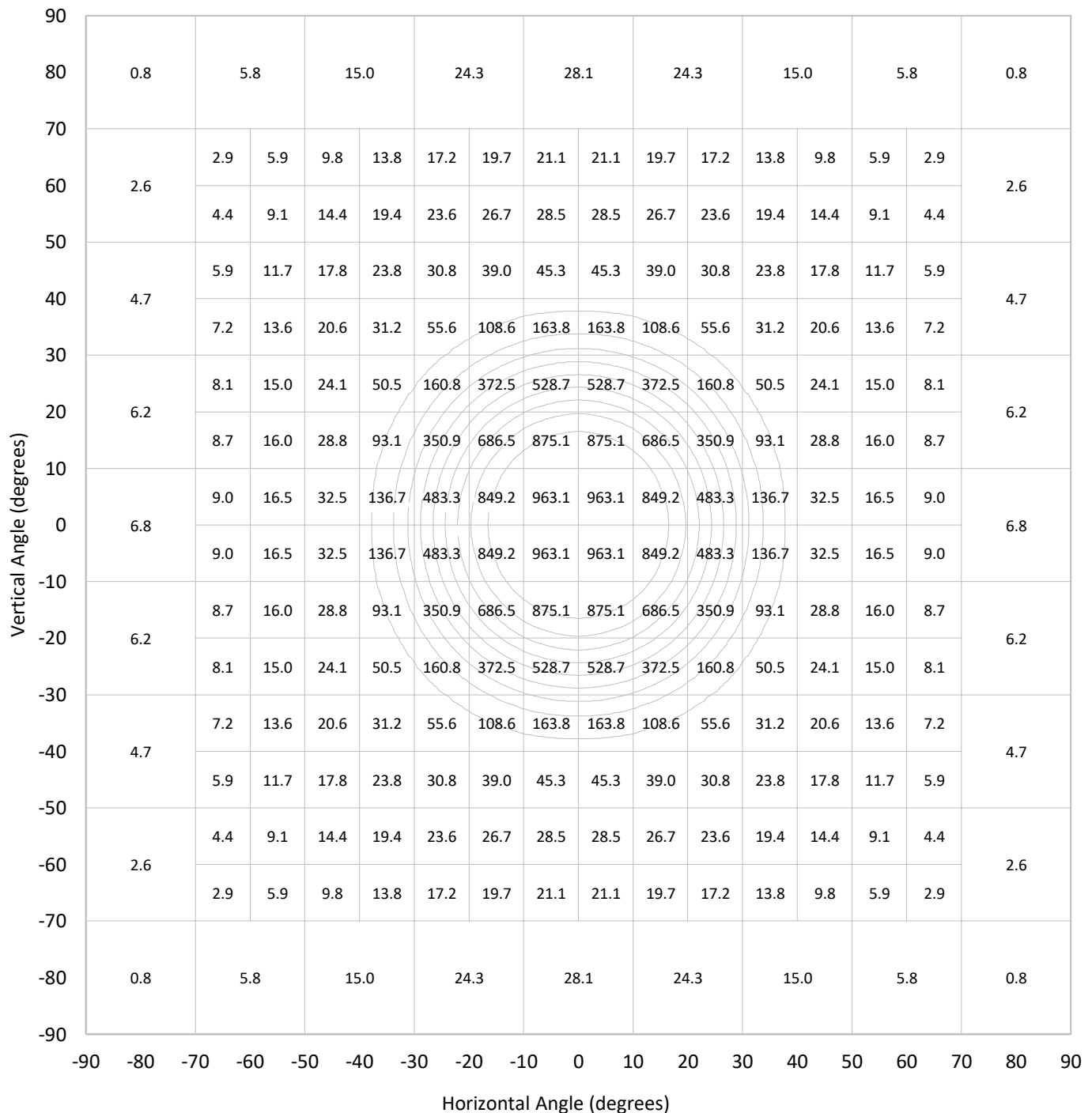
CATALOG NUMBER: IFLD-L-SA8A-722-U-55

Iso-Candela Plot



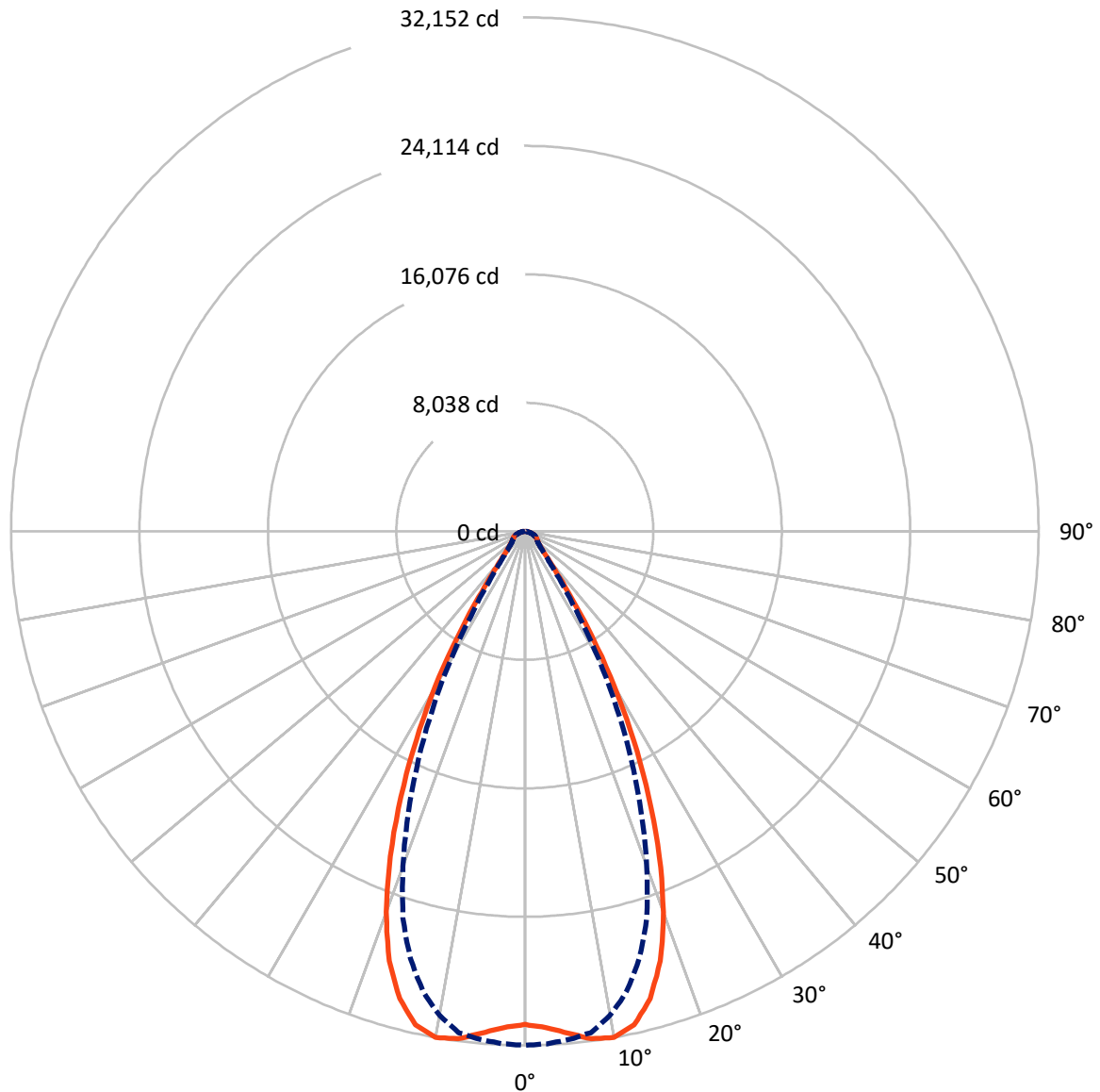
REPORT NUMBER: P623575
CATALOG NUMBER: IFLD-L-SA8A-722-U-55

Lumen Table



REPORT NUMBER: P623575
CATALOG NUMBER: IFLD-L-SA8A-722-U-55

Luminous Intensity Polar Plot

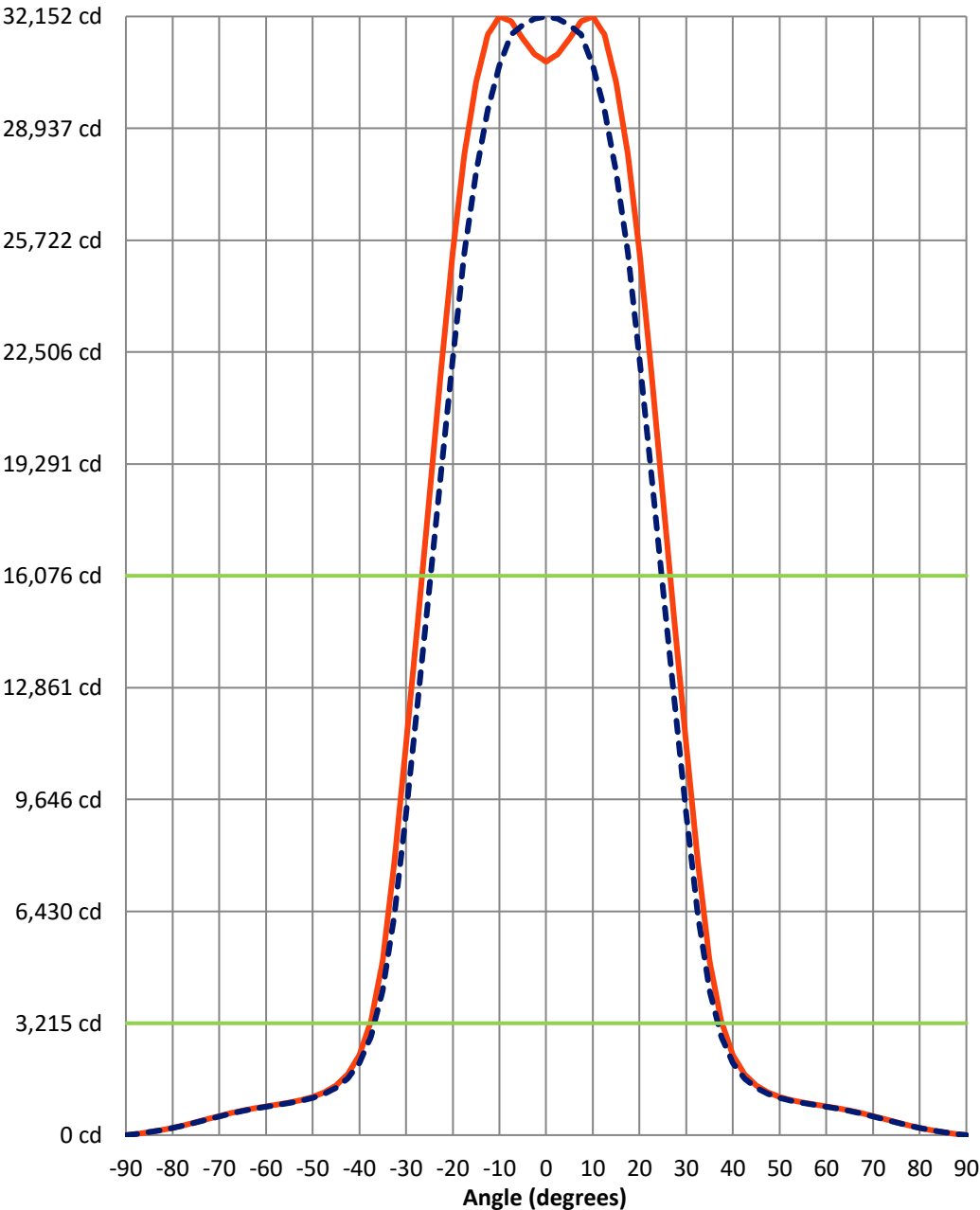


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 10-Deg



REPORT NUMBER: P623575
CATALOG NUMBER: IFLD-L-SA8A-722-U-55

Luminous Intensity Plot



Beam:
H Angle: 49.5°
V Angle: 53.1°
Lumens: 13076.7
Efficiency: 49.7%

Field:
H Angle: 73.6°
V Angle: 75.3°
Lumens: 17006.7
Efficiency: 64.6%

Spill:
Lumens: 9303.3
Efficiency: 35.4%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 10-Deg

REPORT NUMBER: P623575

CATALOG NUMBER: IFLD-L-SA8A-722-U-55

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°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	32.8	32.8	32.8	32.8
85°	87.5	87.5	87.5	87.5	87.5	84.7	84.7	82.0	82.0	79.3	76.5
82.5°	142.1	142.1	142.1	142.1	139.4	139.4	136.7	133.9	131.2	128.5	125.7
80°	207.7	207.7	207.7	207.7	205.0	202.2	199.5	196.8	191.3	188.6	183.1
77.5°	284.2	284.2	284.2	281.5	278.8	276.0	270.6	265.1	259.6	254.2	248.7
75°	371.7	371.7	371.7	366.2	363.5	358.0	352.6	347.1	338.9	330.7	322.5
72.5°	461.9	461.9	461.9	456.4	451.0	445.5	440.0	431.8	423.6	412.7	401.8
70°	546.6	546.6	546.6	541.1	535.7	530.2	522.0	513.8	502.9	492.0	481.0
67.5°	634.1	634.1	634.1	625.9	620.4	614.9	606.7	595.8	584.9	571.2	557.5
65°	705.1	705.1	702.4	699.7	694.2	686.0	680.5	669.6	658.7	647.7	634.1
62.5°	770.7	770.7	768.0	765.3	759.8	751.6	743.4	735.2	724.3	710.6	696.9
60°	825.4	825.4	822.7	819.9	814.5	809.0	800.8	792.6	781.7	770.7	757.1
57.5°	880.1	880.1	877.3	874.6	869.1	860.9	852.7	844.5	833.6	819.9	806.3
55°	937.4	937.4	934.7	929.2	923.8	915.6	907.4	896.4	882.8	869.1	855.5
52.5°	1005.8	1005.8	1000.3	994.8	986.6	978.4	964.8	951.1	934.7	918.3	901.9
50°	1096.0	1096.0	1090.5	1082.3	1068.6	1055.0	1038.6	1016.7	997.6	975.7	953.8
47.5°	1229.9	1229.9	1219.0	1205.3	1186.2	1164.3	1134.2	1101.4	1074.1	1046.8	1014.0
45°	1426.7	1426.7	1410.3	1388.4	1358.3	1320.1	1276.3	1229.9	1183.4	1137.0	1090.5
42.5°	1746.4	1746.4	1716.4	1678.1	1626.2	1560.6	1478.6	1402.1	1336.5	1262.7	1199.8
40°	2298.5	2298.5	2241.1	2170.1	2071.7	1946.0	1795.6	1675.4	1560.6	1432.1	1344.7
37.5°	3279.7	3279.7	3167.6	3031.0	2839.7	2599.2	2309.4	2115.4	1902.2	1700.0	1552.4
35°	5012.5	5012.5	4796.5	4531.4	4162.5	3697.9	3203.2	2836.9	2429.7	2118.1	1842.1
32.5°	7854.9	7854.9	7466.8	6988.5	6329.8	5496.2	4703.6	4006.7	3279.7	2763.1	2265.7
30°	11232.9	11232.9	10724.6	10098.7	9240.5	8158.2	7029.5	5791.4	4643.5	3722.5	2970.9
27.5°	14725.8	14581.0	14143.7	13430.3	12451.9	11232.9	9825.4	8226.6	6674.2	5050.7	3976.6
25°	18338.9	18169.5	17669.3	16849.4	15728.9	14348.7	12763.5	10976.0	9060.1	7125.1	5266.6
22.5°	21990.3	21799.0	21230.5	20304.0	19046.8	17499.9	15704.3	13717.3	11577.3	9341.7	7125.1
20°	25365.7	25163.4	24567.6	23602.9	22301.9	20604.7	18609.5	16406.7	14039.8	11577.3	9060.1
17.5°	28191.7	27997.6	27423.7	26502.6	25365.7	23488.1	21413.7	18992.2	16406.7	13717.3	10976.0
15°	30255.2	30088.4	29599.2	28825.8	27666.9	26005.2	23892.6	21413.7	18609.5	15704.3	12763.5
12.5°	31624.4	31490.5	31105.1	30503.9	29465.3	28071.4	26005.2	23488.1	20604.7	17499.9	14348.7
10°	32151.9	32086.3	31905.9	31629.9	30744.4	29465.3	27666.9	25365.7	22301.9	19046.8	15728.9
7.5°	32012.5	32034.4	32097.3	32026.2	31629.9	30503.9	28825.8	26502.6	23602.9	20304.0	16849.4
5°	31515.1	31632.6	31925.1	32097.3	31905.9	31105.1	29599.2	27423.7	24567.6	21230.5	17669.3
2.5°	31072.4	31255.5	31632.6	32034.4	32086.3	31490.5	30088.4	27997.6	25163.4	21799.0	18169.5
0°	30853.7	31072.4	31515.1	32012.5	32151.9	31624.4	30255.2	28191.7	25365.7	21990.3	18338.9

REPORT NUMBER: P623575

CATALOG NUMBER: IFLD-L-SA8A-722-U-55

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°	32.8	30.1	30.1	30.1	27.3	27.3	27.3	24.6	24.6	21.9	21.9
85°	76.5	73.8	71.1	68.3	65.6	62.9	60.1	57.4	54.7	49.2	46.5
82.5°	123.0	120.3	117.5	112.1	109.3	103.9	98.4	92.9	87.5	84.7	79.3
80°	177.6	172.2	166.7	161.3	153.1	144.9	139.4	131.2	125.7	117.5	112.1
77.5°	240.5	232.3	224.1	213.2	205.0	196.8	185.8	177.6	166.7	155.8	144.9
75°	311.6	300.6	287.0	276.0	265.1	251.4	237.8	224.1	210.4	196.8	183.1
72.5°	388.1	374.4	360.8	347.1	330.7	311.6	295.2	276.0	259.6	243.2	224.1
70°	467.4	451.0	434.6	418.2	399.0	377.2	358.0	336.2	314.3	292.4	270.6
67.5°	541.1	524.8	505.6	489.2	467.4	445.5	420.9	396.3	371.7	344.4	317.0
65°	617.7	598.5	576.7	554.8	532.9	508.4	483.8	459.2	429.1	399.0	371.7
62.5°	680.5	664.1	645.0	623.1	598.5	571.2	546.6	513.8	483.8	453.7	418.2
60°	740.7	721.5	705.1	680.5	658.7	634.1	604.0	571.2	538.4	502.9	470.1
57.5°	792.6	776.2	757.1	735.2	710.6	686.0	658.7	628.6	590.3	554.8	516.6
55°	839.1	819.9	800.8	781.7	759.8	732.5	705.1	675.1	642.3	604.0	563.0
52.5°	885.5	866.4	844.5	825.4	800.8	776.2	748.9	718.8	686.0	650.5	606.7
50°	932.0	910.1	888.2	863.7	839.1	814.5	787.1	759.8	724.3	688.7	650.5
47.5°	986.6	959.3	932.0	904.6	880.1	850.0	822.7	792.6	762.5	724.3	686.0
45°	1055.0	1014.0	981.2	948.4	918.3	888.2	855.5	825.4	792.6	759.8	718.8
42.5°	1139.7	1085.0	1041.3	997.6	959.3	923.8	891.0	855.5	822.7	787.1	748.9
40°	1254.5	1180.7	1109.6	1055.0	1005.8	962.0	923.8	888.2	850.0	814.5	776.2
37.5°	1404.8	1300.9	1202.6	1123.3	1060.4	1005.8	959.3	918.3	880.1	839.1	800.8
35°	1631.6	1451.3	1325.5	1210.8	1123.3	1055.0	997.6	948.4	904.6	863.7	825.4
32.5°	1951.4	1672.6	1470.4	1325.5	1202.6	1109.6	1041.3	981.2	932.0	888.2	844.5
30°	2372.3	1986.9	1672.6	1451.3	1300.9	1180.7	1085.0	1014.0	959.3	910.1	866.4
27.5°	3039.2	2372.3	1951.4	1631.6	1404.8	1254.5	1139.7	1055.0	986.6	932.0	885.5
25°	3976.6	2970.9	2265.7	1842.1	1552.4	1344.7	1199.8	1090.5	1014.0	953.8	901.9
22.5°	5050.7	3722.5	2763.1	2118.1	1700.0	1432.1	1262.7	1137.0	1046.8	975.7	918.3
20°	6674.2	4643.5	3279.7	2429.7	1902.2	1560.6	1336.5	1183.4	1074.1	997.6	934.7
17.5°	8226.6	5791.4	4006.7	2836.9	2115.4	1675.4	1402.1	1229.9	1101.4	1016.7	951.1
15°	9825.4	7029.5	4703.6	3203.2	2309.4	1795.6	1478.6	1276.3	1134.2	1038.6	964.8
12.5°	11232.9	8158.2	5496.2	3697.9	2599.2	1946.0	1560.6	1320.1	1164.3	1055.0	978.4
10°	12451.9	9240.5	6329.8	4162.5	2839.7	2071.7	1626.2	1358.3	1186.2	1068.6	986.6
7.5°	13430.3	10098.7	6988.5	4531.4	3031.0	2170.1	1678.1	1388.4	1205.3	1082.3	994.8
5°	14143.7	10724.6	7466.8	4796.5	3167.6	2241.1	1716.4	1410.3	1219.0	1090.5	1000.3
2.5°	14581.0	11232.9	7854.9	5012.5	3279.7	2298.5	1746.4	1426.7	1229.9	1096.0	1005.8
0°	14725.8	11232.9	7854.9	5012.5	3279.7	2298.5	1746.4	1426.7	1229.9	1096.0	1005.8

REPORT NUMBER: P623575

CATALOG NUMBER: IFLD-L-SA8A-722-U-55

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°	19.1	19.1	16.4	16.4	13.7	13.7	10.9	10.9	8.2	8.2	5.5
85°	43.7	38.3	35.5	32.8	30.1	27.3	24.6	21.9	19.1	16.4	13.7
82.5°	73.8	68.3	60.1	54.7	49.2	43.7	35.5	32.8	27.3	21.9	19.1
80°	103.9	95.7	87.5	79.3	71.1	62.9	54.7	46.5	38.3	30.1	24.6
77.5°	133.9	123.0	114.8	103.9	92.9	82.0	71.1	60.1	49.2	38.3	30.1
75°	169.5	155.8	142.1	128.5	114.8	101.1	90.2	76.5	62.9	49.2	38.3
72.5°	207.7	188.6	172.2	155.8	136.7	123.0	106.6	92.9	76.5	60.1	46.5
70°	248.7	226.8	205.0	183.1	164.0	142.1	125.7	106.6	90.2	71.1	54.7
67.5°	289.7	265.1	240.5	213.2	188.6	166.7	142.1	123.0	101.1	82.0	62.9
65°	338.9	306.1	276.0	246.0	215.9	188.6	164.0	136.7	114.8	92.9	71.1
62.5°	385.4	349.8	314.3	278.8	246.0	213.2	183.1	155.8	128.5	103.9	79.3
60°	431.8	393.6	352.6	314.3	276.0	240.5	205.0	172.2	142.1	114.8	87.5
57.5°	478.3	434.6	393.6	349.8	306.1	265.1	226.8	188.6	155.8	123.0	95.7
55°	519.3	478.3	431.8	385.4	338.9	289.7	248.7	207.7	169.5	133.9	103.9
52.5°	563.0	516.6	470.1	418.2	371.7	317.0	270.6	224.1	183.1	144.9	112.1
50°	604.0	554.8	502.9	453.7	399.0	344.4	292.4	243.2	196.8	155.8	117.5
47.5°	642.3	590.3	538.4	483.8	429.1	371.7	314.3	259.6	210.4	166.7	125.7
45°	675.1	628.6	571.2	513.8	459.2	396.3	336.2	276.0	224.1	177.6	131.2
42.5°	705.1	658.7	604.0	546.6	483.8	420.9	358.0	295.2	237.8	185.8	139.4
40°	732.5	686.0	634.1	571.2	508.4	445.5	377.2	311.6	251.4	196.8	144.9
37.5°	759.8	710.6	658.7	598.5	532.9	467.4	399.0	330.7	265.1	205.0	153.1
35°	781.7	735.2	680.5	623.1	554.8	489.2	418.2	347.1	276.0	213.2	161.3
32.5°	800.8	757.1	705.1	645.0	576.7	505.6	434.6	360.8	287.0	224.1	166.7
30°	819.9	776.2	721.5	664.1	598.5	524.8	451.0	374.4	300.6	232.3	172.2
27.5°	839.1	792.6	740.7	680.5	617.7	541.1	467.4	388.1	311.6	240.5	177.6
25°	855.5	806.3	757.1	696.9	634.1	557.5	481.0	401.8	322.5	248.7	183.1
22.5°	869.1	819.9	770.7	710.6	647.7	571.2	492.0	412.7	330.7	254.2	188.6
20°	882.8	833.6	781.7	724.3	658.7	584.9	502.9	423.6	338.9	259.6	191.3
17.5°	896.4	844.5	792.6	735.2	669.6	595.8	513.8	431.8	347.1	265.1	196.8
15°	907.4	852.7	800.8	743.4	680.5	606.7	522.0	440.0	352.6	270.6	199.5
12.5°	915.6	860.9	809.0	751.6	686.0	614.9	530.2	445.5	358.0	276.0	202.2
10°	923.8	869.1	814.5	759.8	694.2	620.4	535.7	451.0	363.5	278.8	205.0
7.5°	929.2	874.6	819.9	765.3	699.7	625.9	541.1	456.4	366.2	281.5	207.7
5°	934.7	877.3	822.7	768.0	702.4	634.1	546.6	461.9	371.7	284.2	207.7
2.5°	937.4	880.1	825.4	770.7	705.1	634.1	546.6	461.9	371.7	284.2	207.7
0°	937.4	880.1	825.4	770.7	705.1	634.1	546.6	461.9	371.7	284.2	207.7

REPORT NUMBER: P623575

CATALOG NUMBER: IFLD-L-SA8A-722-U-55

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	5.5	2.7	2.7	0.0
85°	8.2	5.5	2.7	0.0
82.5°	13.7	8.2	5.5	0.0
80°	19.1	13.7	5.5	0.0
77.5°	21.9	16.4	8.2	0.0
75°	27.3	19.1	8.2	0.0
72.5°	32.8	21.9	10.9	0.0
70°	35.5	24.6	10.9	0.0
67.5°	43.7	27.3	13.7	0.0
65°	49.2	30.1	13.7	0.0
62.5°	54.7	32.8	16.4	0.0
60°	60.1	35.5	16.4	0.0
57.5°	68.3	38.3	19.1	0.0
55°	73.8	43.7	19.1	0.0
52.5°	79.3	46.5	21.9	0.0
50°	84.7	49.2	21.9	0.0
47.5°	87.5	54.7	24.6	0.0
45°	92.9	57.4	24.6	0.0
42.5°	98.4	60.1	27.3	0.0
40°	103.9	62.9	27.3	0.0
37.5°	109.3	65.6	27.3	0.0
35°	112.1	68.3	30.1	0.0
32.5°	117.5	71.1	30.1	0.0
30°	120.3	73.8	30.1	0.0
27.5°	123.0	76.5	32.8	0.0
25°	125.7	76.5	32.8	0.0
22.5°	128.5	79.3	32.8	0.0
20°	131.2	82.0	32.8	0.0
17.5°	133.9	82.0	32.8	0.0
15°	136.7	84.7	35.5	0.0
12.5°	139.4	84.7	35.5	0.0
10°	139.4	87.5	35.5	0.0
7.5°	142.1	87.5	35.5	0.0
5°	142.1	87.5	35.5	0.0
2.5°	142.1	87.5	35.5	0.0
0°	142.1	87.5	35.5	0.0

(END OF REPORT)