

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: P724250

Luminaire Tested: **IFLD-S-SA3D-830-U-22-VI**

Issue Date: 01/11/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P724250  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/11/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3D-830-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (48) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

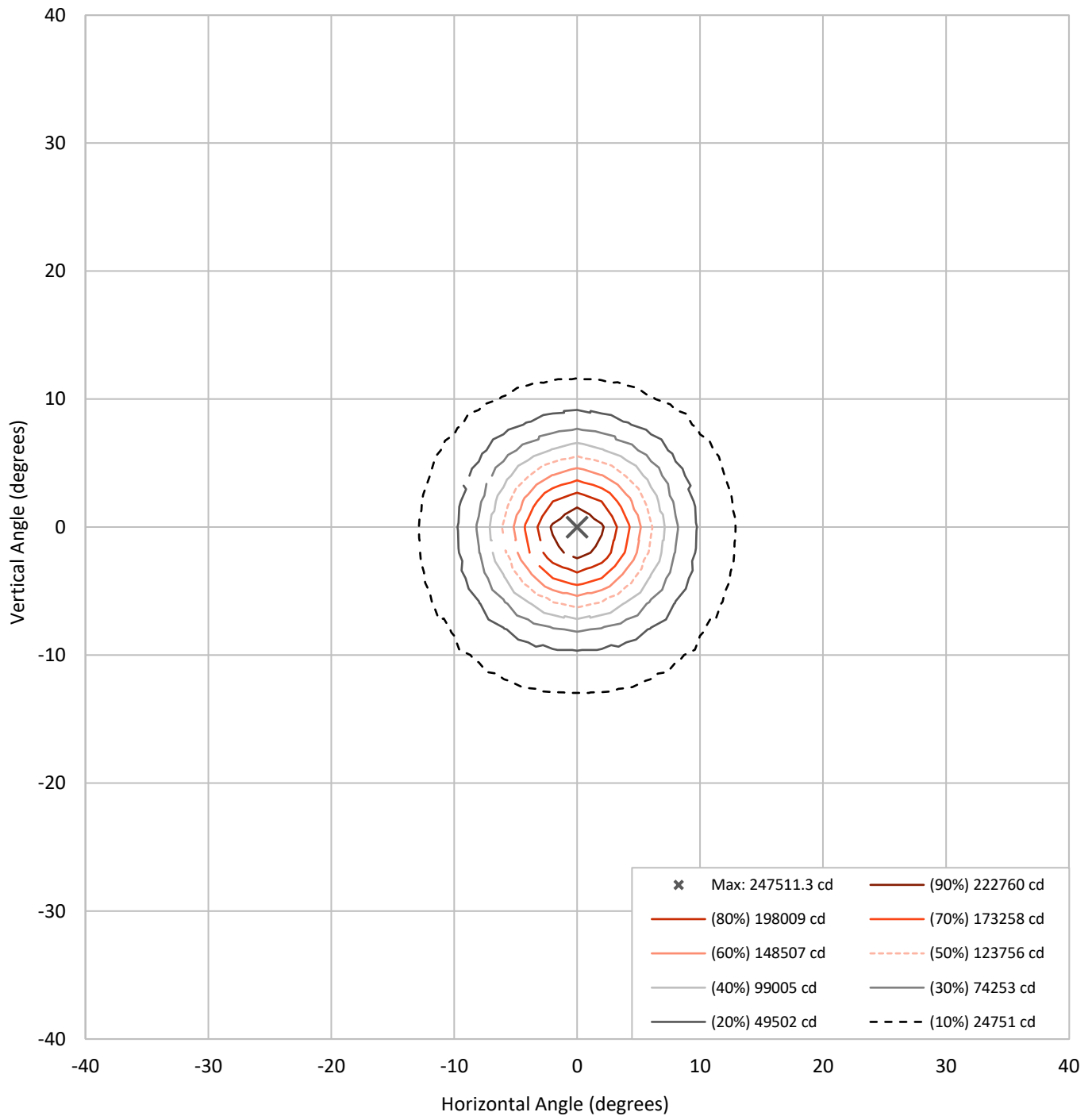
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	17288.8 lumens	Max Intensity:	247511.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	93.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	12.2°H x 11.7°V	Field Angle (10%):	25.1°H x 24.3°V
Beam Lumens:	5408.7 lumens	Field Lumens:	12306.8 lumens
Beam Efficiency:	31.3%	Field Efficiency:	71.2%

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



REPORT NUMBER: P724250  
CATALOG NUMBER: IFLD-S-SA3D-830-U-22-VI

### Iso-Candela Plot





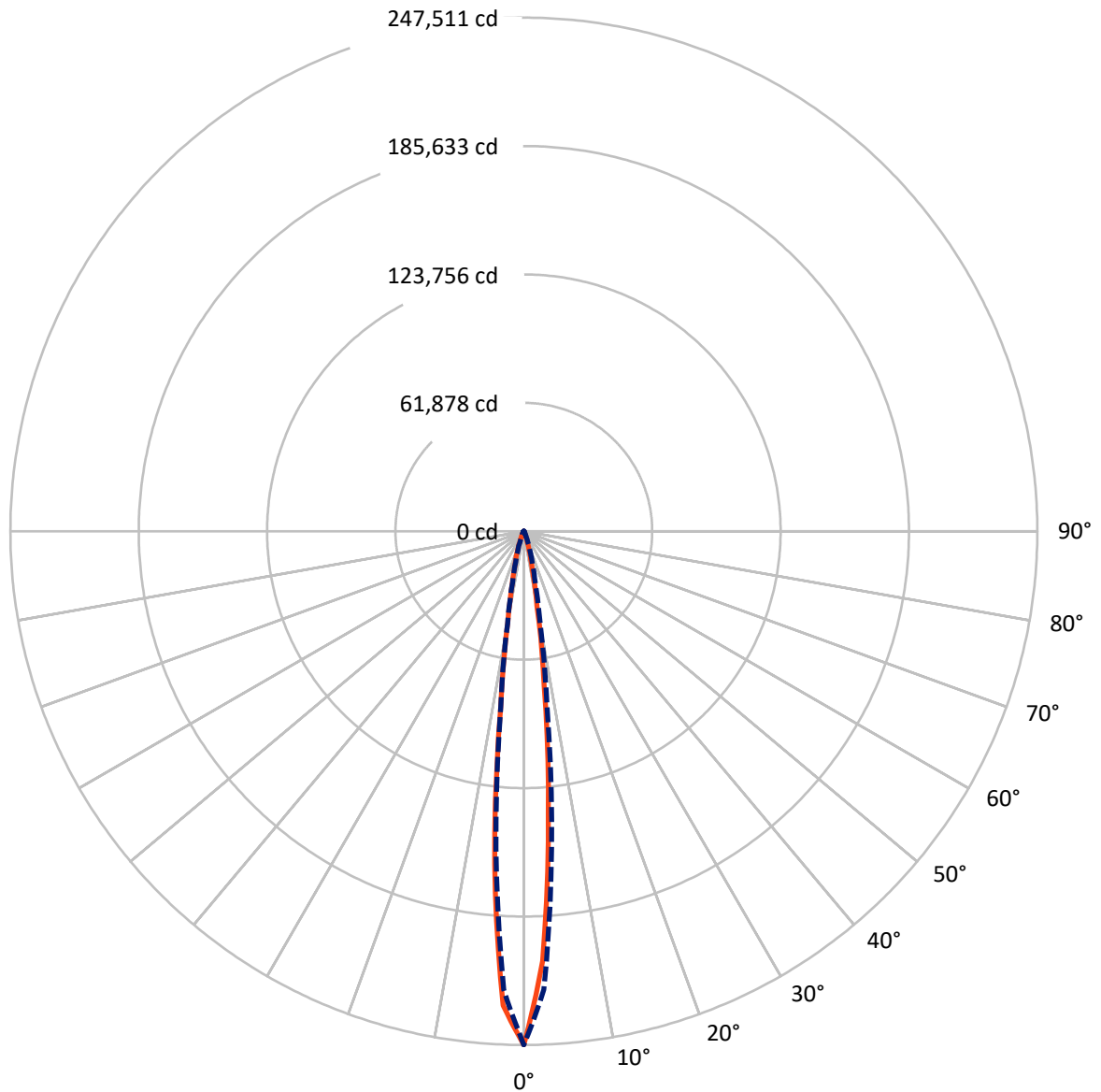
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### Lumen Table

90	0.1	1.0	0.9	0.4	0.0	0.4	0.9	1.0	0.1										
80	0.1	1.0	0.9	0.4	0.0	0.4	0.9	1.0	0.1										
70	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1			
60		0.1	0.2	0.5	0.9	1.3	1.7	1.9	1.9	1.7	1.3	0.9	0.5	0.2	0.1				
50	0.1	0.1	0.6	1.4	2.5	3.5	4.6	5.4	5.4	4.6	3.5	2.5	1.4	0.6	0.1	0.1			
40		0.3	1.2	2.6	4.4	6.9	10.5	12.6	12.6	10.5	6.9	4.4	2.6	1.2	0.3				
30	0.2	0.5	1.8	3.8	6.9	12.0	23.1	37.2	37.2	23.1	12.0	6.9	3.8	1.8	0.5	0.2			
20		0.8	2.5	5.2	10.5	26.1	136.2	344.6	344.6	136.2	26.1	10.5	5.2	2.5	0.8				
10	0.3	1.0	3.0	6.1	12.8	53.0	438.7	2703.3	2703.3	438.7	53.0	12.8	6.1	3.0	1.0	0.3			
0		1.1	3.2	6.5	13.4	60.4	482.7	2977.1	2977.1	482.7	60.4	13.4	6.5	3.2	1.1				
-10	0.4	1.2	3.4	6.4	12.6	36.2	216.7	522.1	522.1	216.7	36.2	12.6	6.4	3.4	1.2	0.4			
-20		1.2	3.3	6.1	10.6	18.4	44.8	84.1	84.1	44.8	18.4	10.6	6.1	3.3	1.2				
-30	0.4	1.1	3.1	5.7	8.8	13.1	18.5	21.7	21.7	18.5	13.1	8.8	5.7	3.1	1.1	0.4			
-40		0.9	2.7	5.1	7.7	10.2	12.9	14.3	14.3	12.9	10.2	7.7	5.1	2.7	0.9				
-50	0.3	0.8	2.1	4.3	6.7	8.9	10.9	11.9	11.9	10.9	8.9	6.7	4.3	2.1	0.8	0.3			
-60		0.6	1.5	3.1	5.1	7.1	8.9	9.9	9.9	8.9	7.1	5.1	3.1	1.5	0.6				
-70	0.2	0.6	1.5	3.1	5.1	7.1	8.9	9.9	9.9	8.9	7.1	5.1	3.1	1.5	0.6	0.2			
-80		0.2	2.3	6.5	11.9	14.4	11.9	6.5	2.3	0.2									
-90	0.2	2.3	6.5	11.9	14.4	11.9	6.5	2.3	0.2										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P724250  
CATALOG NUMBER: IFLD-S-SA3D-830-U-22-VI

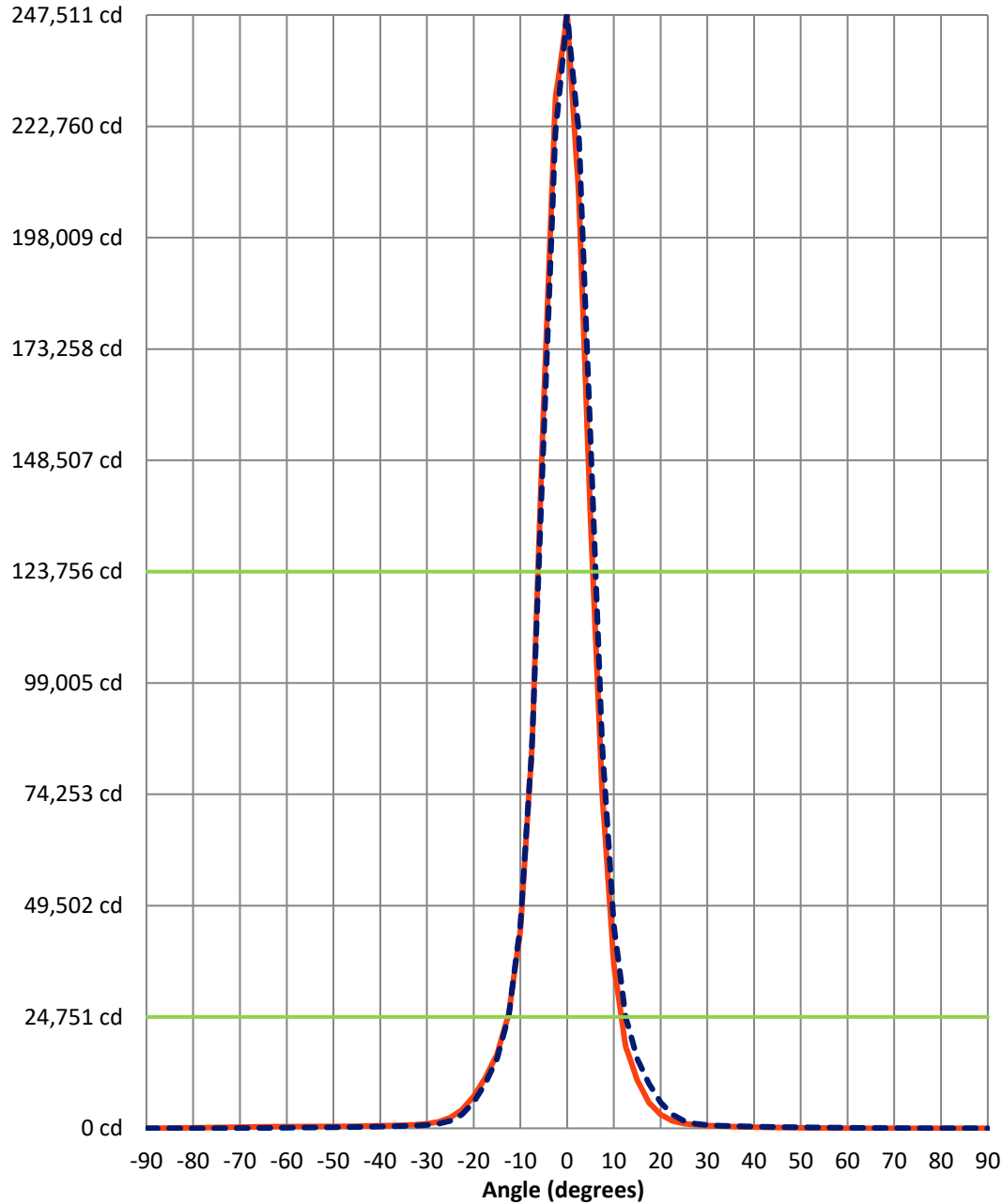
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P724250  
CATALOG NUMBER: IFLD-S-SA3D-830-U-22-VI

### Luminous Intensity Plot



**Beam:**  
H Angle: 12.2°  
V Angle: 11.7°  
Lumens: 5408.7  
Efficiency: 31.3%

**Field:**  
H Angle: 25.1°  
V Angle: 24.3°  
Lumens: 12306.8  
Efficiency: 71.2%

**Spill:**  
Lumens: 4982  
Efficiency: 28.8%

— 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
85°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	6.2	6.2
82.5°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	6.2	6.2	6.2
80°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	6.2	6.2	6.2
77.5°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	6.2
75°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
72.5°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
70°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
67.5°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
65°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
62.5°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
60°	6.2	6.2	6.2	6.2	9.3	9.3	12.4	12.4	12.4	6.2	12.4
57.5°	49.6	49.6	46.5	43.4	40.3	37.2	37.2	37.2	37.2	37.2	31.0
55°	68.1	68.1	68.1	65.0	65.0	61.9	58.8	55.8	55.8	52.7	49.6
52.5°	80.5	80.5	80.5	80.5	77.4	77.4	77.4	74.3	68.1	68.1	65.0
50°	114.6	111.5	111.5	111.5	111.5	105.3	102.2	96.0	92.9	89.8	86.7
47.5°	148.7	148.7	145.6	145.6	142.5	136.3	130.1	123.9	117.7	114.6	108.4
45°	176.5	176.5	173.5	173.5	170.4	164.2	154.9	145.6	139.4	133.2	127.0
42.5°	216.8	213.7	210.6	207.5	201.3	192.0	179.6	167.3	158.0	148.7	142.5
40°	260.2	260.2	257.1	254.0	244.7	235.4	219.9	204.4	188.9	170.4	161.1
37.5°	312.8	315.9	319.0	319.0	312.8	300.4	278.8	260.2	235.4	210.6	198.2
35°	408.8	408.8	415.0	415.0	405.8	390.3	374.8	334.5	303.5	272.6	244.7
32.5°	514.2	517.3	504.9	495.6	483.2	464.6	436.7	402.7	368.6	328.3	297.3
30°	616.4	616.4	600.9	582.3	557.5	526.5	492.5	455.3	415.0	374.8	337.6
27.5°	777.4	761.9	749.6	718.6	675.2	616.4	573.0	514.2	461.5	415.0	374.8
25°	1043.8	1040.7	1012.8	960.2	873.4	780.5	709.3	610.2	529.6	458.4	411.9
22.5°	1660.2	1638.5	1573.4	1443.4	1238.9	1077.9	932.3	777.4	631.9	535.8	461.5
20°	3069.5	2998.2	2824.8	2465.5	2007.1	1691.1	1328.8	1068.6	823.9	644.2	532.7
17.5°	5727.0	5680.5	5615.5	4785.4	3853.1	3184.1	2369.5	1638.5	1170.8	842.5	631.9
15°	10735.4	10391.6	9673.0	8678.7	7374.8	5699.1	4190.7	2645.1	1672.6	1121.2	802.2
12.5°	18351.7	17970.7	16115.4	13628.3	11283.6	8898.6	6247.3	4020.3	2381.9	1424.8	950.9
10°	36567.2	33801.2	28607.0	21349.9	16663.7	12426.5	8771.7	5485.4	3100.4	1799.6	1127.4
7.5°	74896.7	65858.7	50749.9	35826.9	23189.8	16298.2	11203.1	7173.4	4131.8	2251.8	1288.5
5°	135747.0	119712.1	90188.2	54305.6	33674.2	20426.9	13293.8	8530.1	4890.7	2620.3	1449.6
2.5°	207276.9	186534.0	130388.6	74673.7	41522.9	23623.4	14755.7	9422.1	5373.9	2871.2	1573.4
0°	247511.3	221091.0	153553.6	85492.7	45261.4	24980.0	15471.2	9957.9	5782.7	3075.7	1654.0
-2.5°	228639.2	207369.8	141117.7	79415.7	43251.2	24385.3	15573.4	10091.1	5850.9	3131.4	1691.1
-5°	161145.1	143688.5	97643.5	58604.7	36697.2	22461.9	14693.8	9589.4	5661.9	3050.9	1675.7
-7.5°	85254.2	77356.0	57907.8	42111.4	26785.8	19011.5	13228.7	8700.4	5172.6	2834.1	1582.7
-10°	44047.2	42427.3	36561.0	27560.1	21675.2	15926.5	11289.8	7439.8	4323.9	2440.7	1424.8
-12.5°	25395.1	25119.4	23233.1	19943.7	16620.3	13083.1	9264.1	6067.7	3608.4	2022.6	1201.8
-15°	16443.8	16561.5	15904.8	14535.8	12643.3	9790.7	7117.7	4512.8	2669.9	1638.5	1059.3
-17.5°	11221.6	11190.7	10884.0	9945.5	8421.7	6612.8	4717.2	3187.2	2022.6	1276.1	879.6
-20°	7099.1	7111.5	6826.5	6179.2	5058.0	4076.1	2936.3	2149.6	1434.1	1003.5	777.4



REPORT NUMBER: P724250  
 CATALOG NUMBER: IFLD-S-SA3D-830-U-22-VI

**CANDELA DISTRIBUTION (continued):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	4119.5	4128.7	3949.1	3583.6	2995.1	2415.9	1908.0	1421.7	1056.2	836.3	681.4
-25°	2366.4	2329.2	2258.0	2081.4	1805.7	1489.8	1266.8	1000.4	845.6	709.3	622.6
-27.5°	1434.1	1409.3	1372.1	1294.7	1186.3	1028.3	926.1	808.4	718.6	638.1	585.4
-30°	1000.4	1009.7	978.8	938.5	888.9	817.7	761.9	706.2	647.3	597.8	548.2
-32.5°	796.0	802.2	786.7	771.2	746.5	718.6	684.5	644.2	597.8	551.3	504.9
-35°	684.5	687.6	687.6	684.5	678.3	656.6	631.9	594.7	551.3	508.0	467.7
-37.5°	628.8	631.9	631.9	628.8	619.5	600.9	576.1	545.1	504.9	464.6	433.6
-40°	569.9	573.0	569.9	563.7	554.4	535.8	517.3	492.5	461.5	427.4	399.6
-42.5°	514.2	511.1	508.0	501.8	492.5	480.1	464.6	446.0	424.3	399.6	377.9
-45°	461.5	461.5	458.4	455.3	449.1	439.8	430.5	415.0	399.6	381.0	362.4
-47.5°	433.6	433.6	430.5	427.4	424.3	418.1	408.8	396.5	384.1	368.6	353.1
-50°	415.0	415.0	415.0	411.9	408.8	402.7	393.4	384.1	371.7	356.2	340.7
-52.5°	402.7	402.7	402.7	399.6	396.5	393.4	384.1	371.7	356.2	343.8	331.4
-55°	396.5	393.4	393.4	390.3	387.2	384.1	371.7	359.3	346.9	334.5	322.1
-57.5°	387.2	384.1	384.1	381.0	377.9	374.8	362.4	350.0	337.6	322.1	312.8
-60°	377.9	374.8	374.8	368.6	365.5	362.4	350.0	337.6	325.2	312.8	300.4
-62.5°	365.5	362.4	359.3	356.2	350.0	343.8	334.5	322.1	306.6	294.2	281.9
-65°	337.6	334.5	331.4	328.3	325.2	322.1	312.8	297.3	285.0	272.6	260.2
-67.5°	303.5	303.5	303.5	297.3	294.2	288.1	281.9	269.5	257.1	244.7	235.4
-70°	263.3	263.3	263.3	257.1	254.0	250.9	241.6	232.3	223.0	213.7	201.3
-72.5°	223.0	219.9	219.9	216.8	210.6	207.5	201.3	195.1	185.8	179.6	170.4
-75°	182.7	179.6	179.6	176.5	173.5	170.4	164.2	161.1	154.9	148.7	139.4
-77.5°	145.6	145.6	145.6	142.5	139.4	136.3	133.2	130.1	127.0	120.8	114.6
-80°	111.5	111.5	111.5	111.5	111.5	111.5	111.5	108.4	102.2	99.1	96.0
-82.5°	80.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	80.5	77.4	74.3
-85°	52.7	55.8	55.8	58.8	61.9	61.9	65.0	61.9	58.8	52.7	49.6
-87.5°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	24.8	24.8	24.8	21.7
-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: P724250  
 CATALOG NUMBER: IFLD-S-SA3D-830-U-22-VI

**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°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	6.2
85°	6.2	6.2	6.2	6.2	9.3	9.3	9.3	12.4	12.4	12.4	12.4
82.5°	6.2	9.3	9.3	9.3	12.4	12.4	15.5	18.6	24.8	27.9	27.9
80°	6.2	9.3	9.3	9.3	12.4	12.4	15.5	15.5	18.6	21.7	27.9
77.5°	6.2	6.2	9.3	9.3	9.3	12.4	12.4	15.5	15.5	18.6	21.7
75°	3.1	6.2	6.2	6.2	9.3	9.3	12.4	12.4	15.5	15.5	18.6
72.5°	3.1	6.2	6.2	6.2	9.3	9.3	12.4	12.4	12.4	15.5	15.5
70°	3.1	6.2	6.2	6.2	6.2	9.3	9.3	9.3	12.4	12.4	12.4
67.5°	3.1	3.1	3.1	6.2	6.2	6.2	6.2	9.3	9.3	9.3	12.4
65°	3.1	3.1	3.1	3.1	6.2	6.2	6.2	6.2	9.3	9.3	9.3
62.5°	3.1	3.1	3.1	6.2	6.2	6.2	6.2	6.2	9.3	9.3	9.3
60°	12.4	12.4	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
57.5°	27.9	27.9	24.8	21.7	18.6	18.6	15.5	12.4	12.4	9.3	9.3
55°	46.5	43.4	40.3	34.1	31.0	27.9	24.8	18.6	15.5	12.4	9.3
52.5°	58.8	55.8	52.7	49.6	43.4	37.2	34.1	31.0	24.8	18.6	15.5
50°	86.7	77.4	71.2	65.0	58.8	52.7	46.5	43.4	34.1	27.9	21.7
47.5°	105.3	99.1	89.8	83.6	77.4	68.1	58.8	52.7	46.5	37.2	27.9
45°	120.8	114.6	105.3	99.1	92.9	83.6	74.3	65.0	58.8	49.6	37.2
42.5°	136.3	130.1	120.8	114.6	105.3	96.0	86.7	77.4	68.1	61.9	49.6
40°	158.0	148.7	136.3	130.1	123.9	111.5	99.1	89.8	80.5	71.2	58.8
37.5°	185.8	176.5	161.1	148.7	139.4	130.1	117.7	105.3	96.0	83.6	71.2
35°	229.2	213.7	192.0	173.5	161.1	148.7	133.2	120.8	108.4	96.0	83.6
32.5°	272.6	247.8	219.9	198.2	179.6	164.2	148.7	136.3	120.8	105.3	92.9
30°	306.6	278.8	250.9	219.9	198.2	179.6	164.2	148.7	133.2	117.7	102.2
27.5°	340.7	309.7	278.8	247.8	216.8	192.0	176.5	161.1	145.6	130.1	111.5
25°	374.8	340.7	309.7	275.7	238.5	210.6	188.9	176.5	161.1	142.5	120.8
22.5°	405.8	374.8	343.8	306.6	263.3	226.1	204.4	188.9	173.5	151.8	133.2
20°	464.6	424.3	387.2	340.7	291.1	254.0	226.1	204.4	185.8	164.2	142.5
17.5°	542.0	483.2	433.6	381.0	331.4	285.0	244.7	219.9	201.3	176.5	151.8
15°	641.1	538.9	477.0	424.3	365.5	312.8	269.5	235.4	210.6	185.8	164.2
12.5°	715.5	582.3	514.2	464.6	402.7	343.8	288.1	247.8	219.9	195.1	170.4
10°	799.1	628.8	545.1	489.4	424.3	359.3	300.4	257.1	226.1	204.4	179.6
7.5°	867.3	665.9	560.6	498.7	436.7	371.7	312.8	266.4	235.4	210.6	185.8
5°	929.2	696.9	573.0	501.8	442.9	381.0	319.0	272.6	241.6	216.8	192.0
2.5°	972.6	724.8	585.4	508.0	449.1	387.2	328.3	278.8	247.8	223.0	198.2
0°	1009.7	734.1	582.3	508.0	452.2	387.2	331.4	281.9	250.9	226.1	201.3
-2.5°	1022.1	749.6	597.8	514.2	458.4	393.4	337.6	285.0	254.0	229.2	207.5
-5°	1022.1	737.2	597.8	520.4	461.5	396.5	337.6	288.1	257.1	232.3	207.5
-7.5°	985.0	718.6	594.7	526.5	464.6	399.6	337.6	291.1	260.2	235.4	210.6
-10°	919.9	690.7	591.6	529.6	464.6	396.5	337.6	291.1	260.2	235.4	213.7
-12.5°	814.6	653.5	576.1	523.4	458.4	390.3	334.5	291.1	260.2	238.5	213.7
-15°	761.9	622.6	557.5	504.9	442.9	381.0	328.3	288.1	260.2	238.5	216.8
-17.5°	690.7	597.8	538.9	486.3	430.5	371.7	322.1	288.1	260.2	235.4	216.8
-20°	641.1	569.9	517.3	470.8	415.0	362.4	319.0	285.0	260.2	235.4	216.8



REPORT NUMBER: P724250

CATALOG NUMBER: IFLD-S-SA3D-830-U-22-VI

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	597.8	538.9	492.5	446.0	396.5	350.0	312.8	281.9	257.1	235.4	216.8
-25°	563.7	511.1	467.7	424.3	381.0	340.7	306.6	278.8	254.0	235.4	213.7
-27.5°	532.7	483.2	442.9	402.7	362.4	331.4	300.4	275.7	254.0	232.3	210.6
-30°	498.7	458.4	418.1	381.0	353.1	322.1	294.2	269.5	250.9	229.2	207.5
-32.5°	464.6	427.4	393.4	365.5	340.7	315.9	291.1	266.4	244.7	223.0	201.3
-35°	433.6	399.6	374.8	350.0	331.4	309.7	285.0	260.2	241.6	219.9	201.3
-37.5°	402.7	377.9	356.2	337.6	319.0	300.4	275.7	254.0	235.4	213.7	192.0
-40°	377.9	359.3	343.8	328.3	309.7	288.1	269.5	247.8	229.2	207.5	182.7
-42.5°	362.4	346.9	331.4	315.9	300.4	281.9	263.3	241.6	223.0	201.3	176.5
-45°	346.9	334.5	322.1	309.7	294.2	275.7	254.0	232.3	213.7	192.0	173.5
-47.5°	337.6	325.2	312.8	303.5	291.1	266.4	247.8	226.1	204.4	185.8	164.2
-50°	328.3	315.9	306.6	294.2	278.8	257.1	238.5	216.8	198.2	176.5	158.0
-52.5°	319.0	306.6	294.2	281.9	266.4	247.8	229.2	210.6	188.9	167.3	148.7
-55°	309.7	297.3	285.0	272.6	257.1	241.6	223.0	198.2	176.5	154.9	136.3
-57.5°	300.4	291.1	275.7	260.2	244.7	229.2	207.5	185.8	164.2	142.5	127.0
-60°	288.1	275.7	263.3	244.7	229.2	210.6	192.0	173.5	151.8	133.2	117.7
-62.5°	269.5	257.1	244.7	226.1	210.6	195.1	179.6	158.0	142.5	123.9	108.4
-65°	247.8	235.4	223.0	207.5	192.0	176.5	164.2	145.6	130.1	114.6	102.2
-67.5°	223.0	210.6	201.3	185.8	173.5	158.0	145.6	130.1	114.6	102.2	89.8
-70°	192.0	182.7	173.5	161.1	148.7	136.3	123.9	111.5	99.1	89.8	77.4
-72.5°	164.2	154.9	145.6	136.3	127.0	114.6	105.3	96.0	86.7	77.4	71.2
-75°	133.2	127.0	120.8	114.6	105.3	96.0	89.8	80.5	74.3	68.1	65.0
-77.5°	111.5	105.3	99.1	92.9	86.7	80.5	74.3	68.1	65.0	61.9	58.8
-80°	89.8	86.7	83.6	77.4	74.3	68.1	65.0	58.8	58.8	58.8	58.8
-82.5°	71.2	68.1	65.0	61.9	58.8	55.8	55.8	52.7	55.8	55.8	52.7
-85°	49.6	46.5	43.4	43.4	40.3	40.3	37.2	37.2	37.2	34.1	34.1
-87.5°	21.7	21.7	21.7	21.7	18.6	18.6	18.6	18.6	18.6	15.5	15.5
-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: P724250  
 CATALOG NUMBER: IFLD-S-SA3D-830-U-22-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°	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0
85°	12.4	12.4	9.3	9.3	9.3	6.2	6.2	3.1	3.1	3.1	3.1
82.5°	27.9	24.8	21.7	18.6	15.5	12.4	9.3	6.2	6.2	3.1	3.1
80°	34.1	34.1	34.1	31.0	24.8	18.6	12.4	9.3	6.2	3.1	3.1
77.5°	24.8	24.8	27.9	31.0	31.0	24.8	15.5	9.3	6.2	6.2	3.1
75°	18.6	18.6	18.6	21.7	24.8	24.8	18.6	12.4	6.2	6.2	3.1
72.5°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	12.4	9.3	6.2	6.2
70°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	12.4	9.3	6.2	6.2
67.5°	12.4	12.4	15.5	15.5	15.5	12.4	12.4	12.4	9.3	6.2	6.2
65°	9.3	12.4	12.4	15.5	12.4	12.4	12.4	9.3	9.3	6.2	6.2
62.5°	9.3	9.3	12.4	12.4	12.4	12.4	9.3	9.3	9.3	6.2	6.2
60°	9.3	9.3	9.3	12.4	9.3	9.3	9.3	9.3	9.3	6.2	6.2
57.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	6.2	6.2	6.2	6.2
55°	9.3	9.3	9.3	9.3	9.3	9.3	6.2	6.2	6.2	6.2	6.2
52.5°	12.4	9.3	9.3	9.3	9.3	9.3	6.2	6.2	6.2	6.2	6.2
50°	15.5	9.3	9.3	9.3	9.3	6.2	6.2	6.2	6.2	6.2	6.2
47.5°	21.7	15.5	12.4	9.3	9.3	6.2	6.2	6.2	6.2	6.2	3.1
45°	31.0	21.7	15.5	12.4	9.3	6.2	6.2	6.2	6.2	6.2	3.1
42.5°	37.2	27.9	18.6	15.5	12.4	9.3	6.2	6.2	6.2	3.1	3.1
40°	46.5	37.2	24.8	18.6	12.4	9.3	6.2	6.2	6.2	3.1	3.1
37.5°	58.8	46.5	31.0	21.7	15.5	9.3	9.3	6.2	6.2	3.1	3.1
35°	68.1	52.7	40.3	24.8	18.6	12.4	9.3	6.2	6.2	3.1	3.1
32.5°	77.4	61.9	49.6	31.0	21.7	15.5	12.4	6.2	6.2	3.1	3.1
30°	86.7	71.2	55.8	40.3	27.9	18.6	12.4	6.2	6.2	3.1	3.1
27.5°	96.0	77.4	61.9	46.5	31.0	21.7	15.5	9.3	6.2	3.1	3.1
25°	105.3	86.7	68.1	52.7	34.1	24.8	15.5	9.3	6.2	6.2	3.1
22.5°	111.5	96.0	77.4	58.8	40.3	27.9	18.6	12.4	6.2	6.2	3.1
20°	120.8	105.3	83.6	65.0	46.5	31.0	18.6	12.4	6.2	6.2	3.1
17.5°	130.1	111.5	89.8	71.2	52.7	34.1	21.7	15.5	6.2	6.2	3.1
15°	139.4	117.7	96.0	74.3	55.8	37.2	21.7	15.5	6.2	6.2	3.1
12.5°	148.7	127.0	102.2	80.5	58.8	40.3	24.8	18.6	9.3	6.2	3.1
10°	154.9	133.2	108.4	83.6	61.9	46.5	27.9	18.6	9.3	6.2	3.1
7.5°	164.2	139.4	114.6	89.8	65.0	49.6	31.0	18.6	9.3	6.2	3.1
5°	167.3	145.6	117.7	96.0	68.1	52.7	34.1	21.7	9.3	6.2	3.1
2.5°	170.4	151.8	120.8	99.1	71.2	52.7	34.1	21.7	12.4	6.2	3.1
0°	173.5	154.9	123.9	102.2	74.3	55.8	37.2	21.7	12.4	6.2	3.1
-2.5°	176.5	158.0	130.1	105.3	77.4	58.8	40.3	21.7	12.4	6.2	3.1
-5°	179.6	158.0	136.3	108.4	80.5	58.8	40.3	24.8	15.5	6.2	3.1
-7.5°	182.7	161.1	139.4	111.5	83.6	58.8	43.4	24.8	15.5	9.3	3.1
-10°	185.8	164.2	142.5	114.6	83.6	61.9	43.4	24.8	15.5	9.3	3.1
-12.5°	188.9	167.3	142.5	114.6	86.7	61.9	43.4	27.9	15.5	9.3	3.1
-15°	192.0	167.3	142.5	114.6	86.7	65.0	46.5	27.9	15.5	9.3	6.2
-17.5°	192.0	167.3	142.5	117.7	86.7	65.0	46.5	27.9	15.5	9.3	6.2
-20°	192.0	167.3	142.5	117.7	86.7	65.0	46.5	27.9	15.5	9.3	6.2



REPORT NUMBER: P724250

CATALOG NUMBER: IFLD-S-SA3D-830-U-22-VI

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	188.9	164.2	142.5	114.6	86.7	65.0	46.5	27.9	18.6	9.3	6.2
-25°	188.9	164.2	142.5	114.6	86.7	65.0	43.4	27.9	18.6	9.3	6.2
-27.5°	185.8	164.2	139.4	111.5	83.6	61.9	43.4	27.9	18.6	9.3	6.2
-30°	182.7	161.1	136.3	108.4	83.6	61.9	43.4	27.9	18.6	9.3	6.2
-32.5°	179.6	154.9	133.2	105.3	80.5	58.8	43.4	27.9	18.6	9.3	6.2
-35°	173.5	151.8	127.0	102.2	77.4	58.8	40.3	27.9	18.6	12.4	6.2
-37.5°	167.3	145.6	123.9	99.1	74.3	55.8	40.3	27.9	18.6	12.4	6.2
-40°	161.1	142.5	117.7	92.9	71.2	52.7	40.3	27.9	18.6	12.4	9.3
-42.5°	154.9	136.3	114.6	89.8	71.2	52.7	37.2	27.9	18.6	12.4	9.3
-45°	151.8	133.2	108.4	86.7	68.1	52.7	37.2	24.8	18.6	12.4	9.3
-47.5°	145.6	123.9	102.2	83.6	65.0	49.6	34.1	24.8	18.6	12.4	9.3
-50°	136.3	117.7	99.1	80.5	61.9	46.5	34.1	24.8	18.6	12.4	9.3
-52.5°	127.0	108.4	92.9	74.3	58.8	46.5	34.1	24.8	18.6	12.4	9.3
-55°	117.7	102.2	86.7	71.2	55.8	43.4	31.0	24.8	18.6	12.4	9.3
-57.5°	111.5	96.0	80.5	65.0	52.7	40.3	31.0	21.7	15.5	12.4	9.3
-60°	105.3	89.8	74.3	61.9	49.6	40.3	31.0	21.7	15.5	12.4	6.2
-62.5°	96.0	83.6	68.1	58.8	46.5	37.2	27.9	21.7	15.5	12.4	6.2
-65°	86.7	74.3	61.9	52.7	43.4	34.1	27.9	21.7	15.5	12.4	6.2
-67.5°	77.4	68.1	58.8	49.6	40.3	34.1	27.9	21.7	15.5	9.3	6.2
-70°	71.2	61.9	52.7	46.5	40.3	31.0	27.9	21.7	15.5	9.3	6.2
-72.5°	61.9	55.8	49.6	43.4	37.2	34.1	27.9	21.7	12.4	9.3	6.2
-75°	58.8	52.7	46.5	43.4	40.3	34.1	27.9	18.6	12.4	9.3	6.2
-77.5°	58.8	52.7	49.6	46.5	40.3	34.1	24.8	15.5	9.3	9.3	6.2
-80°	58.8	55.8	52.7	43.4	37.2	27.9	18.6	15.5	9.3	6.2	3.1
-82.5°	52.7	43.4	37.2	31.0	27.9	21.7	15.5	12.4	6.2	6.2	3.1
-85°	34.1	27.9	24.8	21.7	18.6	15.5	9.3	6.2	6.2	3.1	3.1
-87.5°	15.5	15.5	12.4	9.3	9.3	6.2	6.2	3.1	3.1	3.1	0.0
-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: P724250  
 CATALOG NUMBER: IFLD-S-SA3D-830-U-22-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°	0.0	0.0	0.0	0.0
80°	3.1	0.0	0.0	0.0
77.5°	3.1	0.0	0.0	0.0
75°	3.1	3.1	0.0	0.0
72.5°	3.1	3.1	0.0	0.0
70°	3.1	3.1	0.0	0.0
67.5°	3.1	3.1	0.0	0.0
65°	3.1	3.1	0.0	0.0
62.5°	3.1	3.1	0.0	0.0
60°	3.1	3.1	0.0	0.0
57.5°	3.1	3.1	3.1	0.0
55°	3.1	3.1	3.1	0.0
52.5°	3.1	3.1	3.1	0.0
50°	3.1	3.1	3.1	0.0
47.5°	3.1	3.1	3.1	0.0
45°	3.1	3.1	3.1	0.0
42.5°	3.1	3.1	3.1	0.0
40°	3.1	3.1	3.1	0.0
37.5°	3.1	3.1	3.1	0.0
35°	3.1	3.1	3.1	0.0
32.5°	3.1	3.1	3.1	0.0
30°	3.1	3.1	3.1	0.0
27.5°	3.1	3.1	3.1	0.0
25°	3.1	3.1	3.1	0.0
22.5°	3.1	3.1	3.1	0.0
20°	3.1	3.1	3.1	0.0
17.5°	3.1	3.1	3.1	0.0
15°	3.1	3.1	3.1	0.0
12.5°	3.1	3.1	3.1	0.0
10°	3.1	3.1	3.1	0.0
7.5°	3.1	3.1	3.1	0.0
5°	3.1	3.1	3.1	0.0
2.5°	3.1	3.1	3.1	0.0
0°	3.1	3.1	3.1	0.0
-2.5°	3.1	3.1	3.1	0.0
-5°	3.1	3.1	3.1	0.0
-7.5°	3.1	3.1	3.1	0.0
-10°	3.1	3.1	3.1	0.0
-12.5°	3.1	3.1	3.1	0.0
-15°	3.1	3.1	3.1	0.0
-17.5°	3.1	3.1	3.1	0.0
-20°	3.1	3.1	3.1	0.0



REPORT NUMBER: P724250

CATALOG NUMBER: IFLD-S-SA3D-830-U-22-VI

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
-22.5°	3.1	3.1	3.1	0.0
-25°	3.1	3.1	3.1	0.0
-27.5°	3.1	3.1	3.1	0.0
-30°	3.1	3.1	3.1	0.0
-32.5°	3.1	3.1	3.1	0.0
-35°	3.1	3.1	3.1	0.0
-37.5°	3.1	3.1	3.1	0.0
-40°	3.1	3.1	3.1	0.0
-42.5°	3.1	3.1	3.1	0.0
-45°	3.1	3.1	3.1	0.0
-47.5°	3.1	3.1	3.1	0.0
-50°	3.1	3.1	3.1	0.0
-52.5°	3.1	3.1	3.1	0.0
-55°	3.1	3.1	3.1	0.0
-57.5°	3.1	3.1	3.1	0.0
-60°	3.1	3.1	0.0	0.0
-62.5°	3.1	3.1	0.0	0.0
-65°	3.1	3.1	0.0	0.0
-67.5°	3.1	3.1	0.0	0.0
-70°	3.1	3.1	0.0	0.0
-72.5°	3.1	3.1	0.0	0.0
-75°	3.1	3.1	0.0	0.0
-77.5°	3.1	0.0	0.0	0.0
-80°	3.1	0.0	0.0	0.0
-82.5°	3.1	0.0	0.0	0.0
-85°	0.0	0.0	0.0	0.0
-87.5°	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)