

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: P721949

Luminaire Tested: **IFLD-S-SA6A-AMB-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721949
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-AMB-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 distribution lens
Light Source: (96) 1620K CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

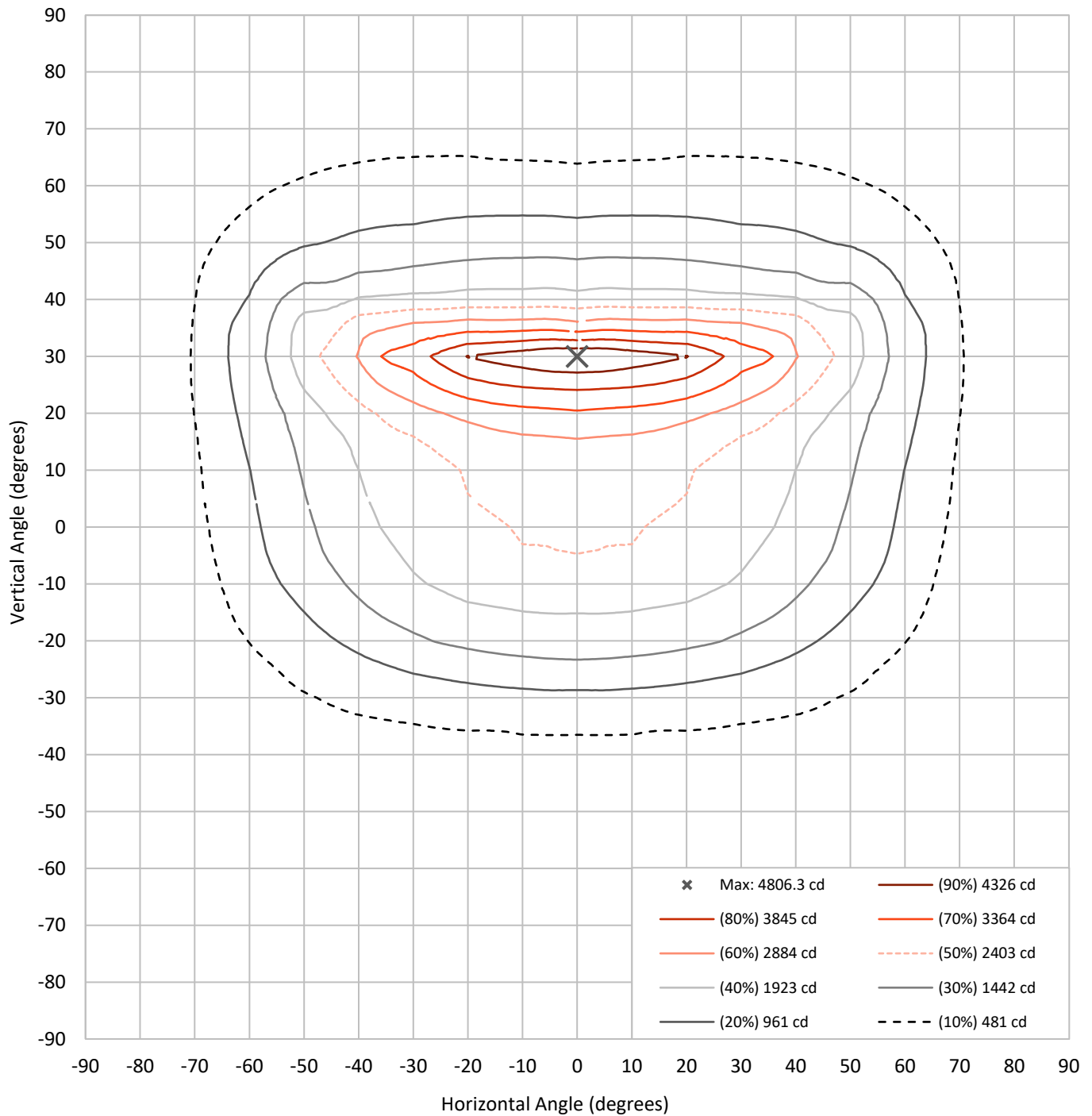
Summary

Lumens per Lamp: N/A	NEMA Type: 7H x 6V
Luminaire Lumens: 6005.9 lumens	Max Intensity: 4806.3 candela
Efficiency: N/A	Max Intensity Angle: 0°H x 30°V
Efficacy: 31.7 lumens/watt	
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')	
Beam Angle (50%): 94.2°H x 43.7°V	Field Angle (10%): 141.5°H x 100.4°V
Beam Lumens: 2365.9 lumens	Field Lumens: 5467.3 lumens
Beam Efficiency: 39.4%	Field Efficiency: 91.0%
Input Watts (W): 189.6	
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: P721949
CATALOG NUMBER: IFLD-S-SA6A-AMB-U-76

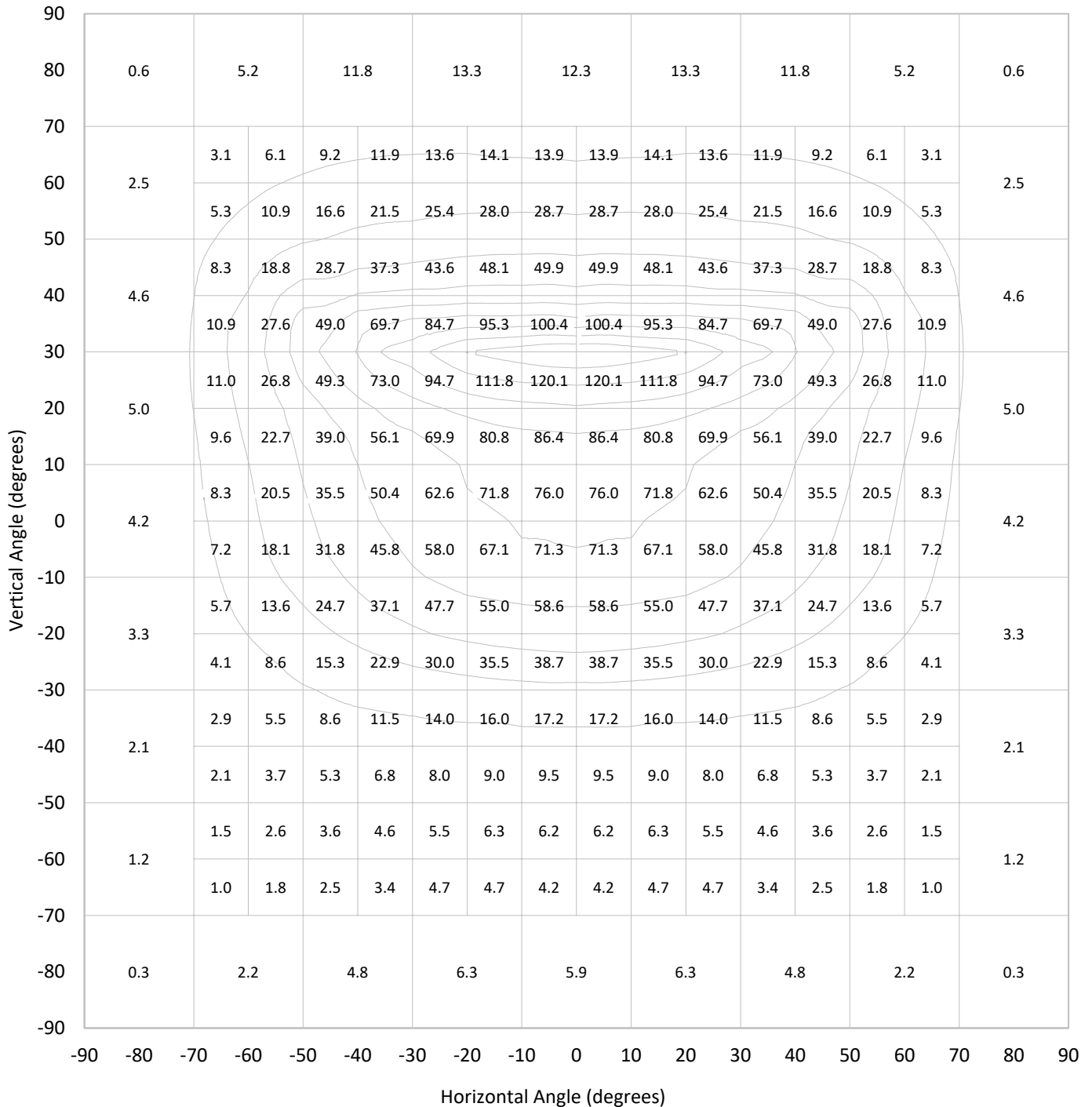
Iso-Candela Plot





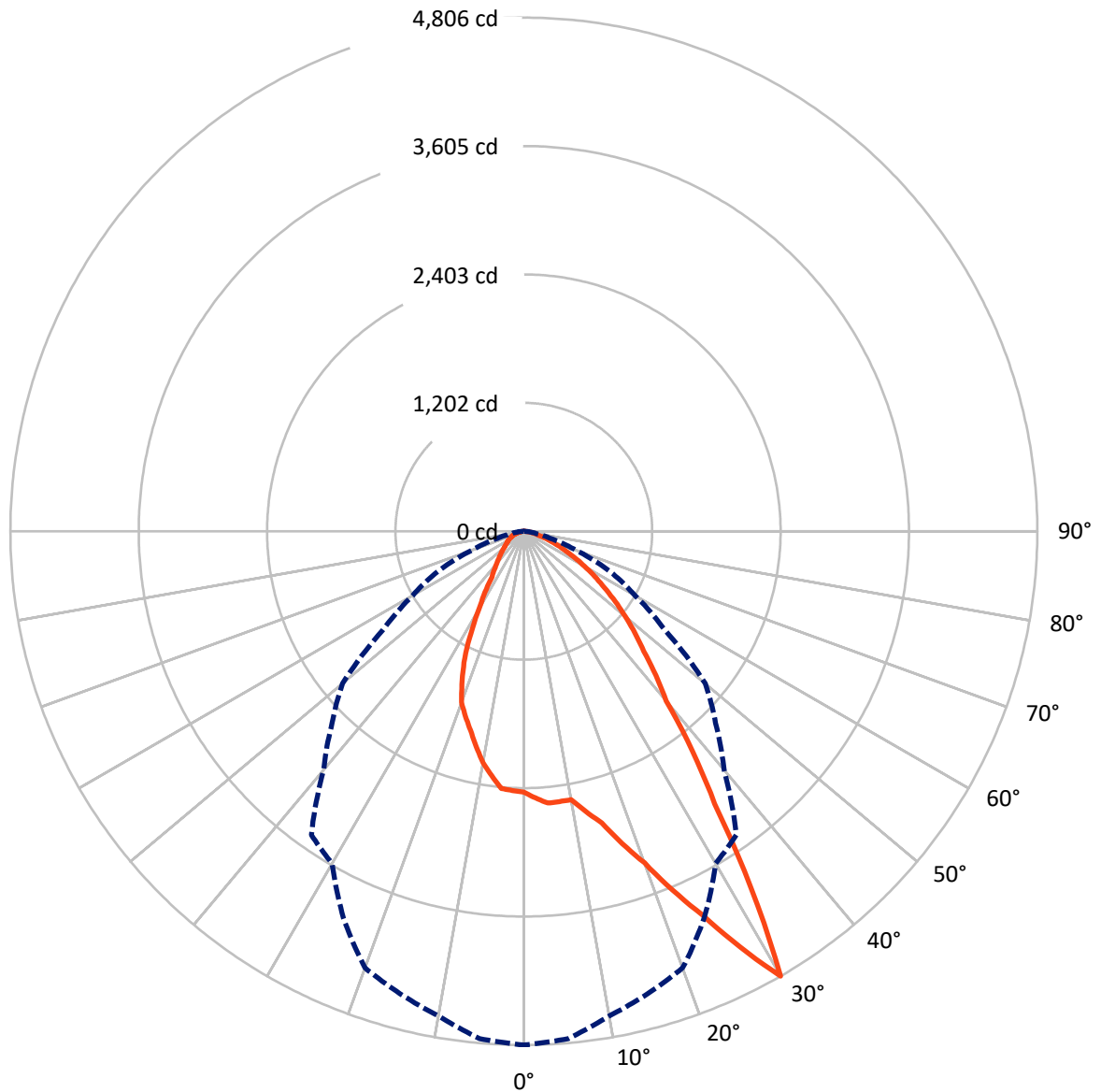
REPORT NUMBER: P721949
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-76

Lumen Table



REPORT NUMBER: P721949
CATALOG NUMBER: IFLD-S-SA6A-AMB-U-76

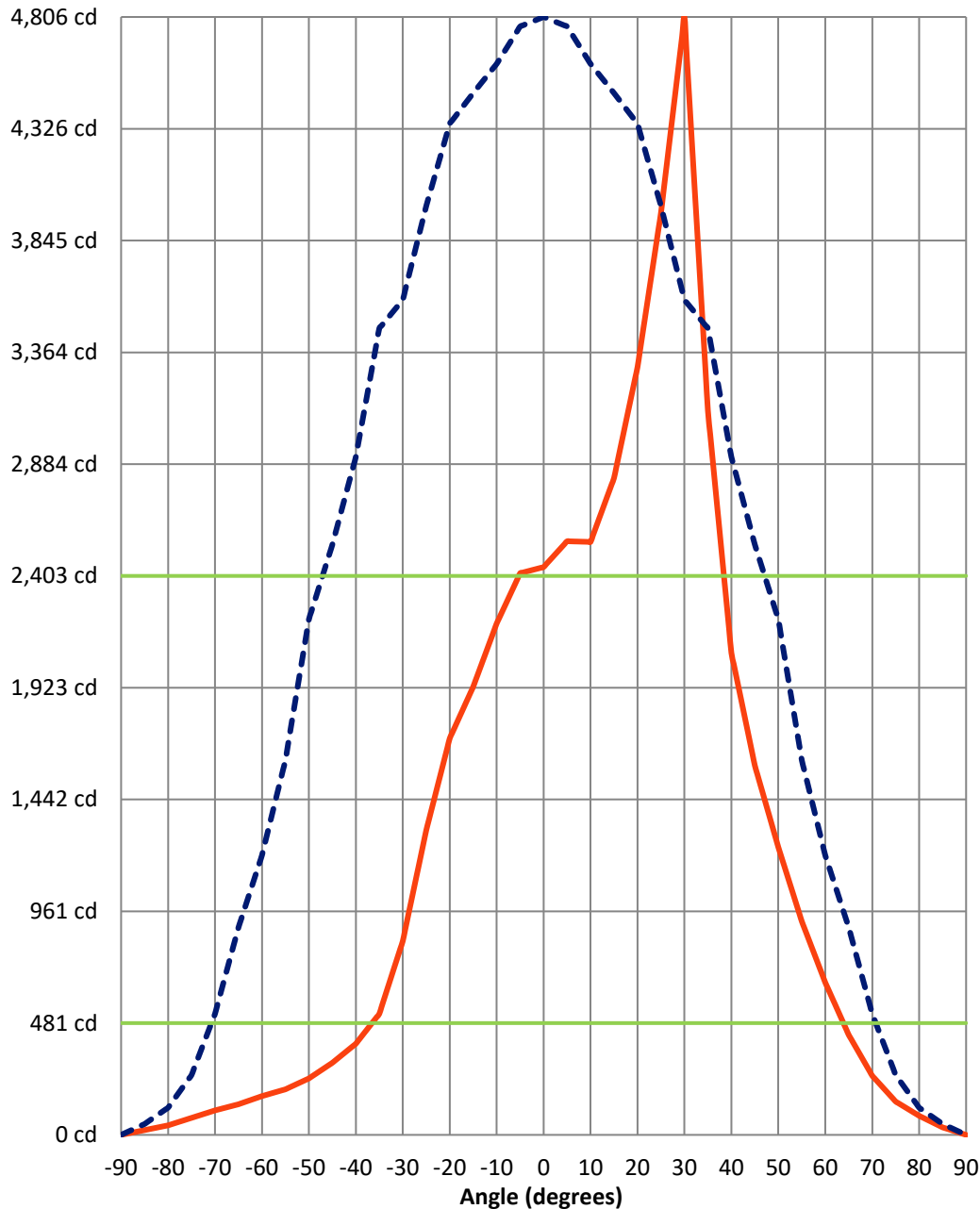
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 30-Deg

REPORT NUMBER: P721949
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-76

Luminous Intensity Plot



Beam:
 H Angle: 94.2°
 V Angle: 43.7°
 Lumens: 2365.9
 Efficiency: 39.4%

Field:
 H Angle: 141.5°
 V Angle: 100.4°
 Lumens: 5467.3
 Efficiency: 91.0%

Spill:
 Lumens: 538.6
 Efficiency: 9.0%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 30-Deg



REPORT NUMBER: P721949
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-76

FIELD
 BEAM

CANDELA DISTRIBUTION:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	32.2	35.1	35.1	35.1	38.0	38.0	40.9	43.9	43.9	40.9	38.0
80°	81.9	87.7	87.7	87.7	96.5	102.3	111.1	114.0	111.1	108.2	99.4
75°	143.3	149.1	154.9	163.7	181.3	195.9	207.6	210.5	204.6	193.0	175.4
70°	254.3	271.9	283.6	292.4	307.0	315.7	330.4	333.3	318.7	298.2	271.9
65°	429.8	447.3	453.1	459.0	485.3	485.3	479.5	470.7	450.2	423.9	388.8
60°	654.9	678.3	684.1	690.0	704.6	692.9	654.9	640.3	616.9	575.9	523.3
55°	918.0	941.4	944.3	941.4	932.6	909.2	859.5	856.6	818.6	763.0	692.9
50°	1236.7	1248.4	1245.4	1242.5	1219.1	1192.8	1146.0	1113.9	1064.2	979.4	918.0
45°	1587.5	1628.4	1613.8	1607.9	1584.6	1543.6	1499.8	1423.8	1394.5	1236.7	1257.1
40°	2072.8	2128.3	2099.1	2107.9	2102.0	2040.6	2040.6	2008.5	1964.6	1739.5	1698.6
35°	3113.6	3248.1	3213.0	3177.9	3210.0	3107.7	3075.6	2885.5	2762.7	2274.5	2186.8
30°	4806.3	4765.4	4604.6	4478.9	4347.3	3993.6	3590.1	3467.3	2914.8	2537.6	2216.0
25°	3964.3	3938.0	3900.0	3824.0	3683.7	3446.9	3183.7	2958.6	2607.8	2306.7	1973.4
20°	3300.7	3248.1	3204.2	3137.0	3017.1	2868.0	2692.6	2487.9	2262.8	1999.7	1660.6
15°	2824.1	2797.8	2774.4	2707.2	2584.4	2482.1	2333.0	2242.4	2026.0	1754.1	1537.8
10°	2549.3	2555.2	2540.6	2490.9	2438.2	2318.4	2236.5	2090.3	1920.8	1710.3	1482.2
5°	2552.2	2511.3	2508.4	2461.6	2397.3	2268.7	2169.3	2026.0	1871.1	1657.6	1420.8
0°	2441.2	2426.5	2435.3	2368.1	2297.9	2210.2	2093.3	1958.8	1789.2	1575.8	1350.7
-5°	2414.8	2391.5	2382.7	2312.5	2224.8	2119.6	1993.9	1844.8	1681.0	1496.9	1286.4
-10°	2198.5	2198.5	2172.2	2157.6	2096.2	1973.4	1871.1	1719.0	1540.7	1344.8	1140.2
-15°	1926.6	1932.5	1912.0	1865.2	1824.3	1742.4	1634.3	1508.5	1344.8	1160.6	958.9
-20°	1704.4	1686.9	1663.5	1616.7	1552.4	1476.4	1365.3	1236.7	1084.6	929.7	763.0
-25°	1309.7	1298.1	1260.0	1222.0	1160.6	1084.6	1011.5	909.2	809.8	690.0	590.6
-30°	833.2	844.9	821.5	792.3	751.3	710.4	678.3	611.0	575.9	511.6	453.1
-35°	520.4	523.3	520.4	494.1	497.0	485.3	456.1	444.4	418.1	394.7	350.8
-40°	391.8	388.8	385.9	380.1	374.2	362.5	350.8	339.1	327.4	307.0	283.6
-45°	309.9	309.9	309.9	304.0	295.3	286.5	274.8	263.1	257.3	239.7	231.0
-50°	242.7	245.6	242.7	239.7	233.9	231.0	225.1	219.3	207.6	198.8	187.1
-55°	195.9	201.7	210.5	213.4	198.8	195.9	190.0	184.2	172.5	163.7	154.9
-60°	166.6	169.6	195.9	201.7	190.0	184.2	169.6	154.9	146.2	137.4	131.6
-65°	131.6	134.5	146.2	157.9	184.2	193.0	154.9	131.6	122.8	116.9	111.1
-70°	105.2	105.2	111.1	116.9	143.3	149.1	125.7	114.0	102.3	93.6	90.6
-75°	73.1	76.0	78.9	81.9	84.8	84.8	84.8	84.8	76.0	70.2	67.2
-80°	40.9	43.9	46.8	46.8	49.7	49.7	52.6	55.5	49.7	46.8	43.9
-85°	20.5	20.5	23.4	23.4	23.4	23.4	26.3	29.2	26.3	23.4	23.4
-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: P721949
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-76

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	32.2	26.3	23.4	17.5	11.7	5.8	2.9	0.0
80°	87.7	73.1	58.5	43.9	26.3	14.6	5.8	0.0
75°	157.9	134.5	108.2	78.9	52.6	20.5	8.8	0.0
70°	242.7	207.6	166.6	122.8	78.9	38.0	11.7	0.0
65°	345.0	292.4	233.9	169.6	108.2	55.5	14.6	0.0
60°	467.8	391.8	312.8	222.2	134.5	70.2	17.5	0.0
55°	616.9	511.6	406.4	292.4	163.7	81.9	23.4	0.0
50°	806.9	660.7	514.5	362.5	190.0	90.6	29.2	0.0
45°	1072.9	830.3	640.3	432.7	213.4	99.4	35.1	0.0
40°	1397.5	988.2	774.7	473.6	236.8	105.2	40.9	0.0
35°	1581.6	1128.5	900.4	508.7	251.4	114.0	43.9	0.0
30°	1610.9	1201.6	891.7	520.4	257.3	116.9	46.8	0.0
25°	1493.9	1169.4	859.5	514.5	260.2	122.8	49.7	0.0
20°	1359.4	1102.2	801.0	488.2	251.4	125.7	52.6	0.0
15°	1301.0	1032.0	730.9	447.3	248.5	125.7	52.6	0.0
10°	1233.7	953.1	654.9	423.9	242.7	125.7	55.5	0.0
5°	1172.3	900.4	625.6	406.4	233.9	122.8	52.6	0.0
0°	1116.8	850.7	584.7	374.2	219.3	119.9	52.6	0.0
-5°	1052.5	792.3	537.9	350.8	213.4	116.9	52.6	0.0
-10°	929.7	710.4	482.4	318.7	201.7	114.0	52.6	0.0
-15°	766.0	596.4	423.9	289.4	190.0	111.1	49.7	0.0
-20°	602.2	488.2	365.4	260.2	181.3	105.2	46.8	0.0
-25°	476.5	391.8	307.0	231.0	166.6	99.4	46.8	0.0
-30°	385.9	318.7	260.2	201.7	154.9	93.6	43.9	0.0
-35°	315.7	269.0	216.3	175.4	137.4	84.8	38.0	0.0
-40°	254.3	222.2	187.1	149.1	119.9	78.9	35.1	0.0
-45°	210.5	187.1	160.8	128.6	102.3	70.2	29.2	0.0
-50°	175.4	157.9	137.4	111.1	87.7	64.3	26.3	0.0
-55°	146.2	131.6	114.0	93.6	76.0	55.5	20.5	0.0
-60°	122.8	111.1	96.5	78.9	64.3	46.8	14.6	0.0
-65°	102.3	90.6	76.0	67.2	52.6	35.1	11.7	0.0
-70°	81.9	73.1	61.4	52.6	40.9	26.3	8.8	0.0
-75°	58.5	52.6	46.8	38.0	26.3	14.6	8.8	0.0
-80°	38.0	35.1	29.2	23.4	14.6	8.8	5.8	0.0
-85°	20.5	17.5	14.6	11.7	8.8	5.8	2.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)