

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P598616

Luminaire Tested: **IFLD-S-SA2A-727-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P598616
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2A-727-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (32) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

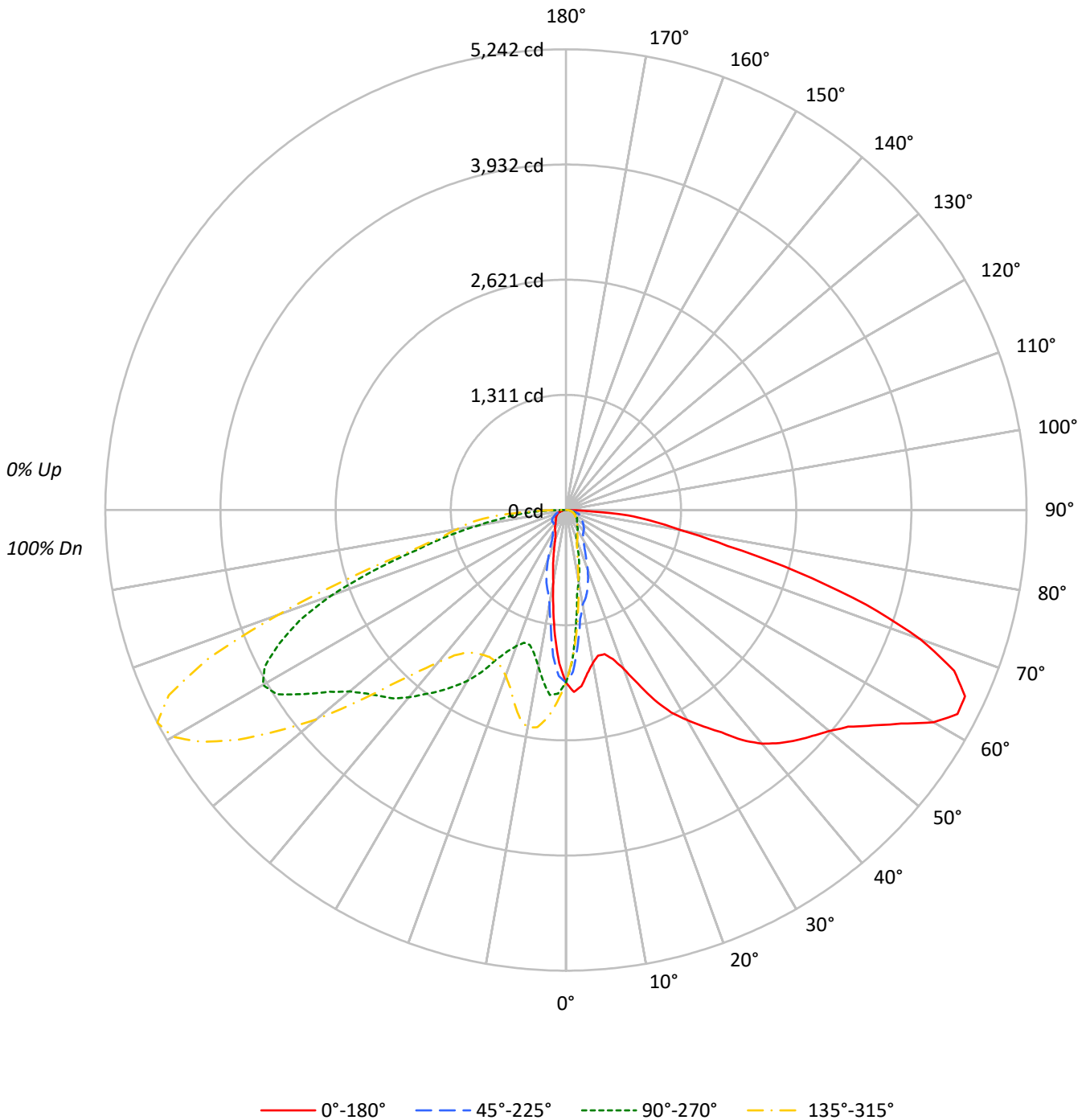
Lumens per Lamp: N/A
 Luminaire Lumens: 6567.2 lumens
 Efficiency: N/A
 Efficacy: 102.9 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 63.8
 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

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

TEST NUMBER: P598616
CATALOG NUMBER: IFLD-S-SA2A-727-U-SLR

Luminous Intensity Polar Plot



TEST NUMBER: P598616

CATALOG NUMBER: IFLD-S-SA2A-727-U-SLR

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20										
RC	80					70					50					30					10					0					
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0				
RCR																															
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100													
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77													
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59													
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46													
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36													
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30													
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25													
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21													
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18													
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16													
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14													

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	42233	42233	42233	42233
5°	43462	28262	30874	45660
10°	38559	17958	18139	39459
15°	37844	12737	12064	35394
20°	43998	8057	8119	37704
25°	56583	6917	6722	44576
30°	68571	6558	6147	55802
35°	81162	5776	5561	66143
40°	97522	5483	5095	78139
45°	112844	5437	4935	91094
50°	131035	5523	4970	107571
55°	160354	5671	5052	137050
60°	207967	5679	5322	171413
65°	255282	5736	5461	183483
70°	270133	6055	5709	178645
75°	227390	6396	5714	145801
80°	165208	7488	5790	126032
85°	175101	10868	4742	130986

TEST NUMBER: P598616
 CATALOG NUMBER: IFLD-S-SA2A-727-U-SLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.8	2.3
10°-20°	317.7	4.8
20°-30°	457.9	7.0
30°-40°	659.2	10.0
40°-50°	936.3	14.3
50°-60°	1346.2	20.5
60°-70°	1555.3	23.7
70°-80°	880.6	13.4
80°-90°	262.1	4.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	927.5	14.1
0°-40°	1586.7	24.2
0°-60°	3869.2	58.9
0°-90°	6567.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6567.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1962	1962	1962	1962	1962	
5°	2011	1308	1429	2113	2011	182
15°	1698	572	541	1588	1698	499
25°	2382	291	283	1877	2382	1106
35°	3088	220	212	2517	3088	1960
45°	3706	179	162	2992	3706	2870
55°	4272	151	135	3652	4272	3869
65°	5012	113	107	3602	5012	4806
75°	2734	77	69	1753	2734	2901
85°	709	44	19	530	709	706
90°	0	0	0	0	0	

TEST NUMBER: P598616
 CATALOG NUMBER: IFLD-S-SA2A-727-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8
2.5°	2071.7	2068.9	2052.4	2000.2	1945.3	1893.1	1843.6	1791.4	1763.9	1731.0	1717.2
5°	2011.2	2005.7	1959.0	1843.6	1741.9	1632.0	1538.6	1464.4	1404.0	1343.6	1321.6
7.5°	1873.8	1865.6	1810.6	1651.3	1502.9	1360.0	1247.4	1151.2	1071.5	1035.8	994.6
10°	1763.9	1750.2	1678.8	1502.9	1310.6	1167.7	1093.5	1027.6	958.9	901.2	840.8
12.5°	1695.2	1678.8	1604.6	1398.5	1211.7	1104.5	1027.6	953.4	868.2	796.8	730.8
15°	1698.0	1678.8	1588.1	1371.0	1186.9	1049.6	942.4	840.8	741.8	662.2	588.0
17.5°	1777.7	1752.9	1656.8	1409.5	1167.7	978.1	835.3	703.4	590.7	505.5	445.1
20°	1920.5	1904.1	1794.2	1467.2	1148.5	901.2	725.4	566.0	447.9	381.9	357.2
22.5°	2134.8	2115.6	1997.5	1555.1	1143.0	832.5	607.2	445.1	359.9	332.5	318.7
25°	2382.1	2346.4	2236.5	1703.5	1154.0	769.3	511.0	368.2	321.5	302.2	294.0
27.5°	2596.4	2574.5	2450.8	1843.6	1159.5	719.9	445.1	335.2	299.5	283.0	277.5
30°	2758.5	2750.3	2629.4	1997.5	1145.7	659.4	403.9	321.5	299.5	283.0	266.5
32.5°	2920.6	2923.4	2794.3	2115.6	1126.5	607.2	365.4	285.7	263.8	252.8	255.5
35°	3088.3	3102.0	2992.1	2231.0	1085.3	588.0	337.9	266.5	247.3	230.8	222.6
37.5°	3299.8	3335.5	3228.4	2360.1	1044.1	571.5	324.2	252.8	233.5	219.8	208.8
40°	3470.2	3536.1	3472.9	2481.0	1016.6	552.3	313.2	239.0	225.3	208.8	200.6
42.5°	3596.5	3673.5	3651.5	2574.5	1016.6	533.0	302.2	230.8	219.8	200.6	189.6
45°	3706.5	3786.1	3783.4	2670.6	1038.6	522.0	288.5	230.8	214.3	195.1	184.1
47.5°	3805.4	3885.0	3912.5	2791.5	1074.3	516.5	272.0	225.3	214.3	192.3	175.8
50°	3912.5	4000.4	4082.9	2983.8	1118.3	502.8	261.0	217.1	217.1	189.6	170.3
52.5°	4049.9	4148.8	4299.9	3222.9	1162.2	478.1	244.5	211.6	217.1	186.8	164.9
55°	4272.4	4354.9	4552.7	3508.6	1217.2	447.9	230.8	197.8	206.1	178.6	156.6
57.5°	4522.5	4593.9	4758.8	3728.4	1233.7	409.4	211.6	184.1	197.8	170.3	145.6
60°	4830.2	4865.9	4865.9	3791.6	1178.7	373.7	197.8	173.1	178.6	162.1	137.4
62.5°	5025.3	5025.3	4865.9	3676.2	1074.3	343.4	186.8	162.1	156.6	151.1	129.1
65°	5011.5	4989.6	4753.3	3341.0	953.4	324.2	175.8	148.4	140.1	137.4	120.9
67.5°	4780.7	4742.3	4420.8	2868.4	827.0	316.0	164.9	134.6	129.1	123.6	109.9
70°	4291.7	4192.8	3797.1	2307.9	703.4	310.5	162.1	123.6	118.1	112.6	101.7
72.5°	3582.8	3456.4	2964.6	1774.9	590.7	291.2	153.9	109.9	107.2	101.7	90.7
75°	2733.8	2500.3	2068.9	1357.3	458.8	252.8	131.9	96.2	96.2	93.4	82.4
77.5°	1884.8	1763.9	1442.5	1002.9	335.2	195.1	107.2	85.2	85.2	87.9	76.9
80°	1332.6	1219.9	1027.6	719.9	211.6	131.9	82.4	71.4	79.7	85.2	71.4
82.5°	1019.3	936.9	763.8	524.8	123.6	90.7	63.2	57.7	68.7	74.2	60.4
85°	708.9	610.0	387.4	351.7	71.4	55.0	46.7	46.7	60.4	74.2	55.0
87.5°	200.6	85.2	24.7	104.4	30.2	22.0	16.5	11.0	16.5	16.5	11.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P598616
 CATALOG NUMBER: IFLD-S-SA2A-727-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8
2.5°	1703.5	1687.0	1687.0	1681.5	1684.3	1687.0	1684.3	1703.5	1711.7	1722.7	1744.7
5°	1307.8	1329.8	1313.3	1329.8	1351.8	1384.8	1393.0	1417.7	1420.5	1439.7	1428.7
7.5°	969.9	967.1	953.4	972.6	1033.1	1079.8	1101.8	1115.5	1118.3	1118.3	1104.5
10°	821.5	796.8	772.1	758.3	763.8	813.3	829.8	838.0	832.5	840.8	829.8
12.5°	703.4	681.4	645.7	620.9	604.5	618.2	634.7	642.9	648.4	662.2	673.2
15°	571.5	549.5	527.5	513.8	500.1	489.1	502.8	511.0	524.8	535.8	541.3
17.5°	434.1	423.1	412.1	420.4	420.4	414.9	420.4	423.1	428.6	436.9	434.1
20°	351.7	348.9	346.2	359.9	370.9	370.9	376.4	368.2	365.4	357.2	354.4
22.5°	313.2	313.2	316.0	327.0	337.9	343.4	343.4	329.7	316.0	310.5	313.2
25°	291.2	291.2	299.5	302.2	307.7	307.7	310.5	296.7	288.5	280.3	283.0
27.5°	274.8	274.8	277.5	277.5	280.3	280.3	283.0	277.5	266.5	263.8	263.8
30°	263.8	263.8	261.0	261.0	261.0	261.0	263.8	255.5	250.0	247.3	247.3
32.5°	252.8	250.0	247.3	247.3	244.5	244.5	247.3	239.0	236.3	236.3	236.3
35°	219.8	217.1	219.8	225.3	225.3	228.0	228.0	225.3	219.8	214.3	211.6
37.5°	206.1	203.3	203.3	203.3	208.8	211.6	214.3	208.8	200.6	192.3	192.3
40°	195.1	195.1	192.3	192.3	192.3	197.8	203.3	195.1	184.1	181.3	181.3
42.5°	186.8	184.1	181.3	178.6	175.8	184.1	189.6	178.6	173.1	173.1	173.1
45°	178.6	175.8	173.1	170.3	167.6	170.3	175.8	164.9	162.1	162.1	162.1
47.5°	170.3	167.6	162.1	159.4	156.6	156.6	162.1	153.9	151.1	153.9	153.9
50°	164.9	159.4	153.9	151.1	148.4	148.4	148.4	145.6	145.6	145.6	148.4
52.5°	159.4	153.9	145.6	142.9	140.1	140.1	140.1	140.1	137.4	140.1	142.9
55°	151.1	145.6	140.1	137.4	134.6	131.9	134.6	131.9	131.9	134.6	134.6
57.5°	140.1	134.6	129.1	129.1	126.4	126.4	129.1	126.4	126.4	129.1	129.1
60°	131.9	126.4	120.9	120.9	118.1	120.9	123.6	120.9	120.9	120.9	123.6
62.5°	120.9	118.1	112.6	112.6	112.6	112.6	115.4	112.6	115.4	115.4	115.4
65°	112.6	107.2	104.4	104.4	104.4	104.4	109.9	104.4	107.2	107.2	107.2
67.5°	104.4	98.9	96.2	96.2	96.2	96.2	101.7	96.2	98.9	101.7	98.9
70°	96.2	90.7	87.9	87.9	87.9	87.9	90.7	87.9	87.9	90.7	90.7
72.5°	85.2	82.4	79.7	79.7	76.9	79.7	82.4	79.7	79.7	79.7	79.7
75°	76.9	74.2	74.2	71.4	71.4	71.4	74.2	68.7	68.7	68.7	68.7
77.5°	71.4	65.9	65.9	65.9	63.2	65.9	63.2	57.7	57.7	57.7	57.7
80°	60.4	55.0	57.7	57.7	55.0	55.0	52.2	46.7	46.7	46.7	46.7
82.5°	49.5	44.0	46.7	46.7	46.7	46.7	41.2	38.5	35.7	33.0	33.0
85°	44.0	35.7	41.2	41.2	38.5	38.5	27.5	27.5	22.0	22.0	19.2
87.5°	8.2	5.5	11.0	13.7	13.7	16.5	11.0	13.7	8.2	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P598616
 CATALOG NUMBER: IFLD-S-SA2A-727-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8
2.5°	1741.9	1772.2	1813.4	1843.6	1890.3	1926.0	1981.0	2027.7	2071.7	2090.9	2110.1
5°	1461.7	1480.9	1544.1	1593.6	1667.8	1747.4	1846.4	1953.5	2063.4	2112.9	2170.6
7.5°	1093.5	1129.2	1165.0	1236.4	1327.1	1456.2	1582.6	1741.9	1895.8	1970.0	2068.9
10°	849.0	876.5	917.7	991.9	1077.0	1184.2	1335.3	1524.9	1709.0	1805.1	1906.8
12.5°	681.4	719.9	774.8	851.7	950.7	1060.6	1170.5	1346.3	1560.6	1670.5	1785.9
15°	552.3	582.5	642.9	739.1	854.5	967.1	1082.5	1228.2	1461.7	1588.1	1725.5
17.5°	439.6	461.6	516.5	612.7	728.1	854.5	986.4	1170.5	1428.7	1582.6	1744.7
20°	357.2	373.7	409.4	480.8	590.7	728.1	893.0	1115.5	1448.0	1645.8	1843.6
22.5°	313.2	318.7	335.2	373.7	464.3	610.0	807.8	1068.8	1483.7	1739.2	2005.7
25°	283.0	288.5	294.0	318.7	370.9	508.3	733.6	1041.3	1560.6	1876.6	2192.5
27.5°	263.8	269.3	272.0	283.0	318.7	434.1	670.4	1024.8	1665.0	2077.2	2423.3
30°	247.3	247.3	255.5	272.0	296.7	381.9	615.5	986.4	1774.9	2244.8	2604.7
32.5°	233.5	236.3	247.3	255.5	272.0	337.9	560.5	936.9	1873.8	2382.1	2783.3
35°	208.8	208.8	211.6	225.3	247.3	302.2	511.0	887.5	1928.8	2516.8	2942.6
37.5°	192.3	195.1	200.6	211.6	230.8	277.5	469.8	832.5	1986.5	2643.1	3129.5
40°	181.3	184.1	189.6	200.6	219.8	255.5	434.1	788.5	2046.9	2780.5	3330.0
42.5°	173.1	175.8	181.3	192.3	208.8	250.0	395.6	752.8	2082.6	2906.9	3519.6
45°	164.9	167.6	175.8	186.8	200.6	244.5	373.7	728.1	2096.4	2992.1	3670.7
47.5°	156.6	159.4	167.6	184.1	200.6	236.3	365.4	714.4	2107.4	3088.3	3791.6
50°	148.4	153.9	164.9	181.3	203.3	225.3	359.9	711.6	2170.6	3211.9	3907.0
52.5°	142.9	151.1	162.1	181.3	200.6	208.8	357.2	719.9	2297.0	3396.0	4071.9
55°	137.4	145.6	156.6	181.3	192.3	195.1	343.4	733.6	2489.3	3651.5	4305.4
57.5°	131.9	137.4	151.1	175.8	181.3	184.1	316.0	752.8	2681.6	3901.5	4544.5
60°	123.6	129.1	142.9	175.8	164.9	173.1	280.3	758.3	2819.0	3981.2	4566.4
62.5°	115.4	120.9	134.6	181.3	151.1	162.1	250.0	739.1	2846.5	3865.8	4442.8
65°	107.2	112.6	123.6	151.1	140.1	151.1	230.8	686.9	2755.8	3602.0	4217.5
67.5°	98.9	104.4	112.6	123.6	126.4	137.4	222.6	604.5	2527.7	3275.1	3909.8
70°	87.9	93.4	101.7	109.9	112.6	129.1	208.8	524.8	2159.6	2838.2	3533.4
72.5°	79.7	82.4	90.7	96.2	101.7	118.1	200.6	458.8	1651.3	2297.0	2882.2
75°	68.7	68.7	76.9	82.4	87.9	104.4	184.1	381.9	1165.0	1752.9	2118.4
77.5°	57.7	57.7	63.2	68.7	74.2	90.7	156.6	310.5	807.8	1390.3	1535.9
80°	44.0	44.0	49.5	55.0	60.4	76.9	126.4	228.0	500.1	1016.6	1118.3
82.5°	30.2	30.2	38.5	41.2	44.0	60.4	96.2	156.6	294.0	733.6	799.5
85°	16.5	16.5	22.0	24.7	30.2	44.0	71.4	109.9	175.8	530.3	533.0
87.5°	2.7	2.7	8.2	8.2	13.7	22.0	41.2	60.4	98.9	294.0	186.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P598616
 CATALOG NUMBER: IFLD-S-SA2A-727-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8	1961.8
2.5°	2145.8	2176.1	2178.8	2178.8	2165.1	2167.8	2129.4	2088.1	2074.4	2071.7
5°	2258.5	2338.2	2360.1	2371.1	2335.4	2280.5	2181.6	2074.4	2019.5	2011.2
7.5°	2236.5	2395.9	2481.0	2492.0	2420.6	2291.5	2118.4	1953.5	1890.3	1873.8
10°	2107.4	2321.7	2475.5	2514.0	2437.1	2272.2	2046.9	1854.6	1777.7	1763.9
12.5°	2016.7	2222.8	2373.9	2426.1	2390.4	2247.5	2011.2	1791.4	1714.5	1695.2
15°	1967.2	2156.8	2255.7	2272.2	2269.5	2209.0	2011.2	1805.1	1720.0	1698.0
17.5°	2008.5	2137.6	2151.3	2112.9	2134.8	2165.1	2055.2	1879.3	1796.9	1777.7
20°	2090.9	2129.4	2063.4	2005.7	2016.7	2112.9	2123.9	2019.5	1953.5	1920.5
22.5°	2264.0	2159.6	2008.5	1928.8	1937.0	2071.7	2214.5	2209.0	2151.3	2134.8
25°	2439.8	2244.8	1992.0	1898.6	1909.6	2063.4	2321.7	2420.6	2390.4	2382.1
27.5°	2634.9	2387.6	2003.0	1884.8	1898.6	2074.4	2395.9	2599.2	2604.7	2596.4
30°	2766.8	2456.3	2035.9	1901.3	1920.5	2101.9	2412.4	2706.3	2755.8	2758.5
32.5°	2876.7	2525.0	2104.6	1928.8	1961.8	2151.3	2456.3	2808.0	2917.9	2920.6
35°	2964.6	2601.9	2189.8	1978.2	2027.7	2233.8	2514.0	2904.2	3069.0	3088.3
37.5°	3077.3	2687.1	2288.7	2085.4	2140.3	2351.9	2615.7	3016.8	3247.6	3299.8
40°	3198.2	2772.3	2431.6	2258.5	2338.2	2527.7	2731.1	3143.2	3398.7	3470.2
42.5°	3332.8	2863.0	2593.7	2492.0	2612.9	2750.3	2863.0	3258.6	3514.1	3596.5
45°	3464.7	2972.9	2830.0	2810.7	2945.4	3014.1	2992.1	3341.0	3624.0	3706.5
47.5°	3558.1	3132.2	3115.7	3231.1	3357.5	3321.8	3143.2	3401.5	3714.7	3805.4
50°	3643.3	3330.0	3475.7	3701.0	3777.9	3657.0	3305.3	3483.9	3810.9	3912.5
52.5°	3769.6	3541.6	3846.6	4126.8	4201.0	4008.7	3481.2	3618.5	3959.2	4049.9
55°	4027.9	3780.6	4234.0	4555.4	4569.2	4330.1	3717.4	3846.6	4168.0	4272.4
57.5°	4316.4	4074.6	4541.7	4909.9	4904.4	4651.6	3984.0	4154.3	4451.0	4522.5
60°	4577.4	4371.4	4876.9	5162.7	5148.9	4885.2	4294.4	4503.2	4775.2	4830.2
62.5°	4731.3	4640.6	5025.3	5242.3	5190.1	4962.1	4558.2	4813.7	5006.0	5025.3
65°	4706.6	4794.5	4852.2	4986.8	4912.6	4747.8	4687.3	5011.5	5030.8	5011.5
67.5°	4519.7	4706.6	4376.9	4390.6	4352.1	4212.0	4486.8	4959.3	4827.5	4780.7
70°	4236.7	4250.5	3659.7	3486.6	3547.1	3354.8	3849.3	4552.7	4349.4	4291.7
72.5°	3766.9	3596.5	2766.8	2590.9	2681.6	2544.2	3088.3	3967.5	3769.6	3582.8
75°	3159.7	2849.2	2107.4	1857.3	1904.1	1898.6	2393.1	3277.8	2920.6	2733.8
77.5°	2448.1	2220.0	1555.1	1459.0	1409.5	1420.5	1670.5	2437.1	2118.4	1884.8
80°	1788.7	1552.4	1203.4	1258.4	1230.9	1165.0	1170.5	1632.0	1472.7	1332.6
82.5°	1236.4	1104.5	975.4	1101.8	1035.8	934.2	912.2	1176.0	1104.5	1019.3
85°	829.8	909.4	774.8	843.5	730.8	673.2	857.2	983.6	794.0	708.9
87.5°	541.3	832.5	557.8	423.1	241.8	324.2	524.8	645.7	370.9	200.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)