

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: P599109

Luminaire Tested: **IFLD-S-SA2A-722-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599109
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2A-722-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (32) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

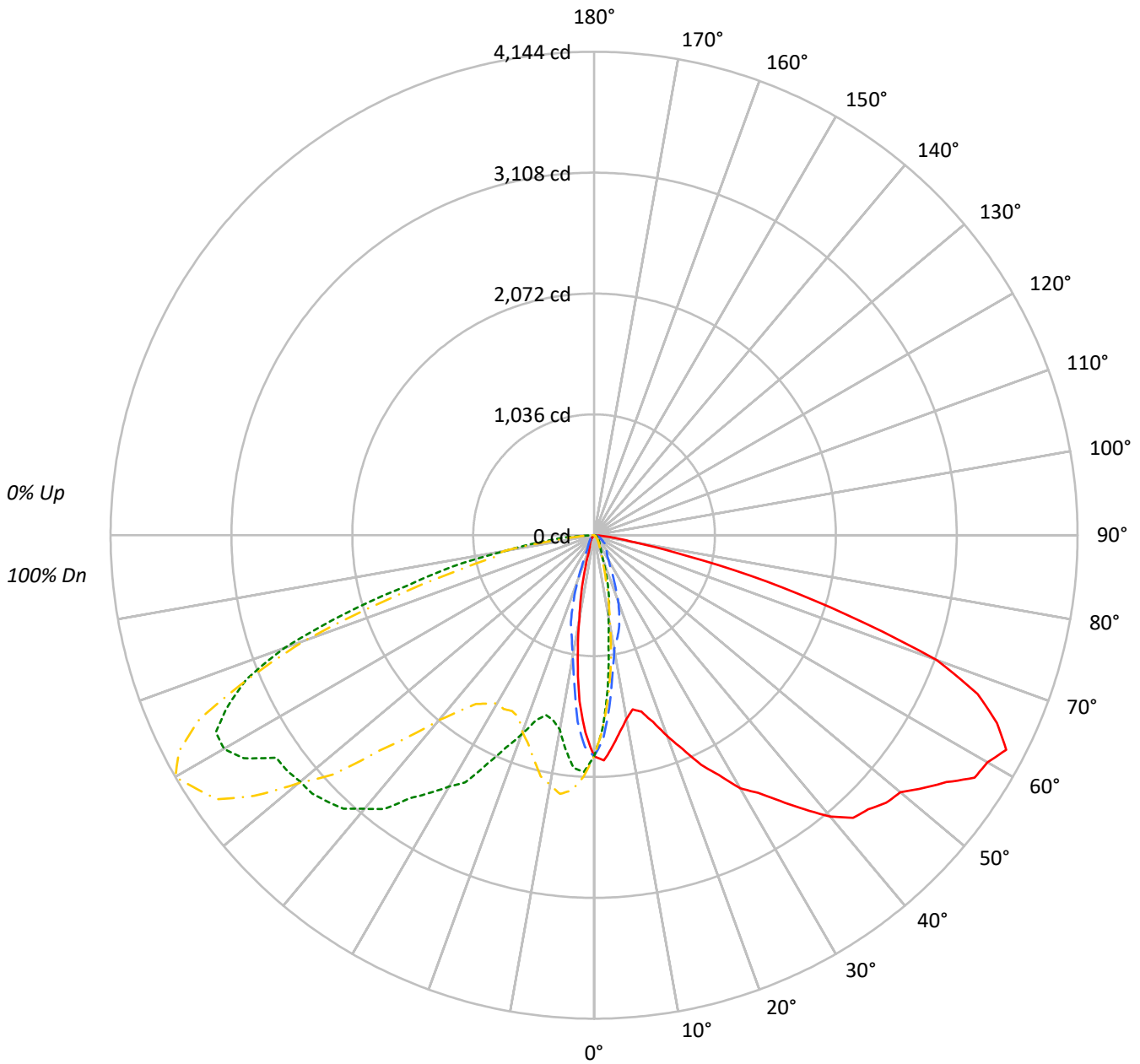
Lumens per Lamp: N/A
 Luminaire Lumens: 4953.5 lumens
 Efficiency: N/A
 Efficacy: 77.6 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

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

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270° - · - 135°-315°

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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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79				79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62				62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49				49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40				40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33				33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27				27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24				24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20				20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18				18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16				16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	40767	40767	40767	40767
5°	39250	28687	30881	43261
10°	34945	15619	15822	36989
15°	34884	10417	6370	35539
20°	41885	5200	2538	41640
25°	51519	3268	1967	51264
30°	62247	2623	1494	61847
35°	73039	2105	1159	72301
40°	88422	1801	750	85983
45°	101159	1626	408	98355
50°	114772	1564	90	110076
55°	138447	1505	0	124811
60°	167616	1266	0	157666
65°	194088	1019	0	176402
70°	196534	843	0	177871
75°	127186	557	0	136411
80°	43378	161	0	96526
85°	21761	0	0	70915

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	2.9
10°-20°	277.8	5.6
20°-30°	386.9	7.8
30°-40°	549.7	11.1
40°-50°	762.3	15.4
50°-60°	1038.7	21.0
60°-70°	1141.9	23.1
70°-80°	561.2	11.3
80°-90°	91.7	1.9
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°	808.1	16.3
0°-40°	1357.8	27.4
0°-60°	3158.7	63.8
0°-90°	4953.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4953.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1894	1894	1894	1894	1894	
5°	1816	1328	1429	2002	1816	166
15°	1565	467	286	1595	1565	463
25°	2169	138	83	2158	2169	1008
35°	2779	80	44	2751	2779	1764
45°	3323	53	13	3231	3323	2576
55°	3689	40	0	3325	3689	3318
65°	3810	20	0	3463	3810	3682
75°	1529	7	0	1640	1529	1667
85°	88	0	0	287	88	122
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7
2.5°	1932.5	1955.2	1933.8	1859.0	1845.7	1809.6	1754.8	1750.8	1693.4	1700.1	1669.4
5°	1816.3	1839.0	1793.6	1694.7	1602.6	1529.1	1485.1	1406.3	1388.9	1350.2	1350.2
7.5°	1697.4	1696.1	1618.6	1535.8	1398.3	1263.4	1201.9	1088.4	1021.7	985.6	950.9
10°	1598.6	1577.2	1529.1	1358.2	1208.6	1068.4	992.3	917.5	848.0	787.9	727.8
12.5°	1529.1	1542.5	1466.4	1280.7	1087.1	989.6	908.1	829.3	746.5	678.4	611.7
15°	1565.2	1543.8	1454.4	1263.4	1067.1	933.5	825.3	729.2	637.0	547.6	496.8
17.5°	1677.4	1622.6	1517.1	1263.4	1025.7	848.0	717.2	603.6	504.8	424.7	361.9
20°	1828.3	1765.5	1652.0	1310.1	994.9	785.3	606.3	463.4	360.6	285.8	237.7
22.5°	1983.2	1933.8	1762.9	1328.8	958.9	701.1	478.1	335.2	240.4	192.3	168.3
25°	2168.9	2099.4	1912.4	1403.6	905.5	619.7	376.6	233.7	179.0	153.6	138.9
27.5°	2317.1	2305.1	2052.7	1449.0	865.4	552.9	297.8	185.6	148.2	129.5	120.2
30°	2504.1	2438.6	2223.6	1539.8	820.0	476.8	248.4	166.9	136.2	116.2	109.5
32.5°	2616.2	2585.5	2313.1	1590.6	769.2	414.0	213.7	146.9	124.2	109.5	102.8
35°	2779.2	2717.7	2441.3	1622.6	742.5	377.9	192.3	133.5	104.2	89.5	81.5
37.5°	2960.8	2938.1	2594.9	1621.3	703.8	356.6	177.6	124.2	98.8	82.8	73.5
40°	3146.4	3054.3	2688.4	1658.7	683.8	340.6	166.9	118.9	93.5	78.8	66.8
42.5°	3285.3	3179.8	2796.5	1645.3	659.7	312.5	162.9	110.8	89.5	72.1	61.4
45°	3322.7	3285.3	2894.0	1641.3	642.4	289.8	156.3	109.5	86.8	68.1	57.4
47.5°	3394.8	3369.5	3014.2	1648.0	629.0	272.4	140.2	112.2	82.8	64.1	54.8
50°	3426.9	3381.5	3111.7	1664.0	598.3	251.1	125.5	117.5	81.5	62.8	52.1
52.5°	3559.1	3519.0	3245.3	1709.4	572.9	223.0	110.8	112.2	84.1	58.8	49.4
55°	3688.7	3643.2	3450.9	1813.6	536.9	200.3	94.8	98.8	80.1	53.4	44.1
57.5°	3866.3	3791.5	3588.5	1856.3	504.8	169.6	84.1	81.5	74.8	48.1	38.7
60°	3893.0	3923.7	3568.5	1829.6	471.4	149.6	73.5	62.8	80.1	42.7	33.4
62.5°	3982.5	3854.3	3475.0	1768.2	447.4	137.6	65.4	52.1	69.4	37.4	28.0
65°	3810.2	3715.4	3255.9	1570.5	416.7	138.9	57.4	42.7	44.1	30.7	22.7
67.5°	3557.8	3483.0	2892.7	1355.5	386.0	136.2	50.7	37.4	33.4	26.7	20.0
70°	3122.4	2960.8	2457.3	1100.5	340.6	126.9	42.7	33.4	28.0	21.4	14.7
72.5°	2271.7	2206.2	1762.9	850.7	305.8	114.9	40.1	28.0	24.0	16.0	12.0
75°	1529.1	1421.0	1112.5	558.2	245.7	100.2	33.4	25.4	18.7	12.0	9.3
77.5°	808.0	763.9	630.4	265.8	136.2	46.7	18.7	14.7	10.7	9.3	5.3
80°	349.9	311.2	272.4	108.2	48.1	21.4	12.0	8.0	6.7	5.3	2.7
82.5°	179.0	170.9	141.6	46.7	28.0	16.0	6.7	5.3	4.0	2.7	1.3
85°	88.1	90.8	74.8	14.7	16.0	9.3	1.3	1.3	0.0	0.0	0.0
87.5°	6.7	6.7	5.3	2.7	4.0	1.3	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7
2.5°	1657.4	1676.1	1644.0	1664.0	1654.7	1658.7	1662.7	1652.0	1654.7	1692.1	1693.4
5°	1327.5	1363.5	1350.2	1368.9	1400.9	1384.9	1399.6	1396.9	1399.6	1404.9	1429.0
7.5°	946.9	936.2	961.6	1011.0	1068.4	1103.1	1085.8	1076.4	1071.1	1057.7	1073.7
10°	714.5	709.2	702.5	717.2	754.6	793.3	814.7	778.6	758.6	733.2	723.8
12.5°	593.0	559.6	540.9	518.2	528.9	563.6	564.9	530.2	498.1	484.8	499.5
15°	467.4	444.7	411.3	379.3	363.3	390.0	367.3	333.9	292.5	287.1	285.8
17.5°	333.9	320.5	296.5	283.1	264.4	257.8	233.7	183.0	153.6	145.6	148.2
20°	227.0	216.4	215.0	203.0	195.0	189.6	150.9	117.5	108.2	109.5	110.8
22.5°	168.3	162.9	156.3	154.9	148.2	141.6	110.8	98.8	92.1	92.1	96.2
25°	137.6	134.9	128.2	125.5	122.9	113.5	93.5	84.1	81.5	78.8	82.8
27.5°	117.5	116.2	112.2	108.2	105.5	96.2	81.5	73.5	70.8	70.8	70.8
30°	105.5	105.5	100.2	92.1	92.1	81.5	69.4	64.1	61.4	61.4	60.1
32.5°	98.8	96.2	89.5	84.1	80.1	69.4	61.4	56.1	52.1	52.1	53.4
35°	80.1	80.1	78.8	74.8	69.4	58.8	52.1	46.7	44.1	42.7	44.1
37.5°	70.8	66.8	61.4	62.8	60.1	50.7	44.1	40.1	36.1	36.1	36.1
40°	64.1	60.1	54.8	50.7	49.4	45.4	38.7	32.1	28.0	26.7	26.7
42.5°	57.4	54.8	46.7	40.1	38.7	38.7	29.4	24.0	20.0	20.0	20.0
45°	53.4	49.4	42.7	34.7	28.0	29.4	24.0	17.4	14.7	13.4	13.4
47.5°	50.7	46.7	37.4	29.4	21.4	21.4	17.4	12.0	9.3	8.0	8.0
50°	46.7	42.7	33.4	24.0	16.0	13.4	10.7	6.7	4.0	2.7	2.7
52.5°	44.1	40.1	29.4	20.0	13.4	9.3	6.7	1.3	0.0	0.0	0.0
55°	40.1	34.7	25.4	16.0	10.7	5.3	1.3	0.0	0.0	0.0	0.0
57.5°	34.7	30.7	20.0	12.0	6.7	1.3	0.0	0.0	0.0	0.0	0.0
60°	29.4	25.4	16.0	9.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	24.0	21.4	12.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	20.0	16.0	9.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	17.4	13.4	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	13.4	9.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	9.3	6.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	6.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	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	0.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7
2.5°	1698.8	1738.8	1776.2	1786.9	1816.3	1897.7	1897.7	1936.5	2005.9	2031.3	2036.6
5°	1433.0	1475.7	1483.7	1566.5	1605.3	1688.1	1742.8	1873.7	1952.5	2001.9	2032.6
7.5°	1089.8	1104.5	1135.2	1212.6	1288.8	1388.9	1493.1	1660.0	1798.9	1855.0	1959.2
10°	749.2	793.3	860.1	929.5	1048.4	1159.2	1294.1	1451.7	1622.6	1692.1	1781.6
12.5°	504.8	566.3	673.1	771.9	881.4	993.6	1121.8	1332.8	1526.5	1622.6	1712.1
15°	295.1	369.9	462.1	622.3	767.9	893.4	1021.7	1235.3	1470.4	1594.6	1704.1
17.5°	149.6	172.3	248.4	387.3	579.6	785.3	976.3	1248.7	1513.1	1665.4	1756.2
20°	112.2	118.9	140.2	205.7	396.6	649.1	933.5	1268.7	1632.0	1817.6	1867.0
22.5°	97.5	102.8	112.2	133.5	223.0	496.8	873.4	1318.1	1793.6	1968.5	2072.7
25°	82.8	88.1	96.2	109.5	142.9	337.9	800.0	1370.2	1937.8	2158.2	2255.7
27.5°	72.1	76.1	84.1	94.8	116.2	215.0	673.1	1439.7	2158.2	2387.9	2413.2
30°	61.4	65.4	72.1	84.1	98.8	152.2	494.1	1449.0	2279.7	2488.0	2558.8
32.5°	53.4	54.8	62.8	73.5	82.8	120.2	347.2	1458.4	2369.2	2617.6	2632.3
35°	44.1	46.7	54.8	61.4	72.1	94.8	263.1	1411.6	2485.4	2751.1	2747.1
37.5°	36.1	40.1	45.4	50.7	58.8	80.1	209.7	1324.8	2630.9	2958.1	2832.6
40°	28.0	32.1	37.4	44.1	49.4	72.1	157.6	1193.9	2783.2	3059.6	2926.1
42.5°	20.0	22.7	28.0	34.7	44.1	60.1	113.5	1039.0	2843.3	3178.5	3038.3
45°	14.7	17.4	21.4	29.4	45.4	48.1	78.8	897.5	2907.4	3230.6	3012.9
47.5°	8.0	10.7	16.0	25.4	40.1	36.1	56.1	770.6	2980.8	3277.3	3032.9
50°	2.7	4.0	9.3	26.7	32.1	28.0	44.1	702.5	3053.0	3286.7	3073.0
52.5°	0.0	0.0	5.3	28.0	24.0	21.4	38.7	675.8	3034.3	3316.0	3047.6
55°	0.0	0.0	1.3	12.0	13.4	16.0	32.1	674.4	3166.5	3325.4	3186.5
57.5°	0.0	0.0	0.0	4.0	8.0	13.4	28.0	631.7	3250.6	3557.8	3373.5
60°	0.0	0.0	0.0	1.3	5.3	9.3	21.4	594.3	3336.1	3661.9	3573.8
62.5°	0.0	0.0	0.0	0.0	1.3	4.0	14.7	536.9	3163.8	3653.9	3767.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	9.3	424.7	2845.9	3463.0	3660.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.3	293.8	2492.0	3222.6	3464.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177.6	2011.3	2825.9	2938.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.1	1435.7	2243.6	2410.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.7	888.1	1640.0	1845.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	575.6	1242.0	1400.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	307.2	778.6	905.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133.5	472.8	544.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.7	287.1	327.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.1	58.8
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: P599109
 CATALOG NUMBER: IFLD-S-SA2A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7	1893.7
2.5°	2039.3	2078.0	2092.7	2070.0	2072.7	2026.0	2019.3	1953.8	1927.1	1932.5
5°	2132.8	2188.9	2219.6	2194.2	2136.8	2047.3	1965.9	1888.4	1840.3	1816.3
7.5°	2111.4	2174.2	2212.9	2237.0	2171.5	2027.3	1903.1	1757.5	1696.1	1697.4
10°	1993.9	2124.8	2203.6	2172.9	2142.1	1997.9	1805.6	1648.0	1593.3	1598.6
12.5°	1899.1	2044.7	2091.4	2115.4	2052.7	1937.8	1808.3	1628.0	1566.5	1529.1
15°	1840.3	1948.5	1951.2	1988.6	1963.2	1963.2	1836.3	1660.0	1606.6	1565.2
17.5°	1840.3	1864.4	1861.7	1875.0	1917.8	1968.5	1907.1	1789.6	1684.1	1677.4
20°	1881.7	1806.9	1789.6	1794.9	1831.0	1981.9	2063.3	1916.4	1849.7	1828.3
22.5°	1977.9	1813.6	1708.1	1689.4	1800.3	1980.5	2163.5	2116.8	2000.6	1983.2
25°	2110.1	1801.6	1686.7	1662.7	1746.8	2028.6	2301.1	2310.4	2204.9	2168.9
27.5°	2235.6	1855.0	1684.1	1678.7	1789.6	2017.9	2395.9	2465.3	2346.5	2317.1
30°	2278.4	1908.4	1733.5	1662.7	1805.6	2056.7	2393.2	2574.8	2497.4	2504.1
32.5°	2329.1	1961.8	1738.8	1710.8	1873.7	2119.4	2469.3	2751.1	2695.0	2616.2
35°	2403.9	2034.0	1789.6	1764.2	1921.8	2175.5	2485.4	2880.7	2871.3	2779.2
37.5°	2468.0	2104.7	1895.1	1899.1	2068.7	2266.3	2556.1	3039.6	3023.6	2960.8
40°	2513.4	2203.6	2059.3	2070.0	2196.9	2367.8	2681.7	3119.7	3238.6	3146.4
42.5°	2520.1	2291.7	2247.6	2333.1	2452.0	2525.4	2732.4	3174.5	3345.4	3285.3
45°	2545.5	2431.9	2554.8	2617.6	2715.1	2664.3	2729.8	3268.0	3353.4	3322.7
47.5°	2644.3	2687.0	2841.9	3032.9	3067.6	2900.7	2793.9	3282.7	3398.8	3394.8
50°	2747.1	2960.8	3178.5	3305.4	3349.4	3063.6	2854.0	3270.6	3458.9	3426.9
52.5°	2862.0	3198.5	3512.4	3668.6	3644.6	3243.9	2922.1	3368.1	3569.8	3559.1
55°	2934.1	3305.4	3727.4	3945.1	3926.4	3445.6	3138.4	3508.4	3715.4	3688.7
57.5°	3125.1	3479.0	3941.1	4042.6	4092.0	3710.0	3289.3	3738.1	3836.9	3866.3
60°	3282.7	3592.5	3997.2	4144.1	4161.4	3867.6	3553.8	3974.4	3991.8	3893.0
62.5°	3513.7	3636.6	3878.3	4010.5	4100.0	3957.1	3791.5	4101.3	3989.1	3982.5
65°	3683.3	3492.3	3656.6	3730.1	3787.5	3820.9	4030.5	4188.1	3939.7	3810.2
67.5°	3588.5	3219.9	3189.2	3193.2	3210.5	3412.2	3950.4	3975.8	3664.6	3557.8
70°	3158.5	2641.6	2600.2	2632.3	2545.5	2788.5	3625.9	3613.9	3233.2	3122.4
72.5°	2554.8	1925.8	1855.0	1899.1	1919.1	2176.9	3050.3	2740.4	2358.5	2271.7
75°	2030.0	1411.6	1191.3	1298.1	1366.2	1585.2	2382.5	1861.7	1646.7	1529.1
77.5°	1594.6	1068.4	926.8	884.1	946.9	1152.5	1733.5	977.6	862.7	808.0
80°	1011.0	785.3	852.0	790.6	817.3	822.7	902.8	444.7	353.9	349.9
82.5°	609.0	536.9	638.4	351.2	639.7	571.6	375.3	201.7	179.0	179.0
85°	431.4	332.5	220.4	142.9	284.5	313.8	145.6	104.2	90.8	88.1
87.5°	216.4	102.8	49.4	32.1	36.1	58.8	17.4	8.0	8.0	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)