

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: P599312

Luminaire Tested: **IFLD-S-SA2A-827-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: P599312
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2A-827-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (32) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

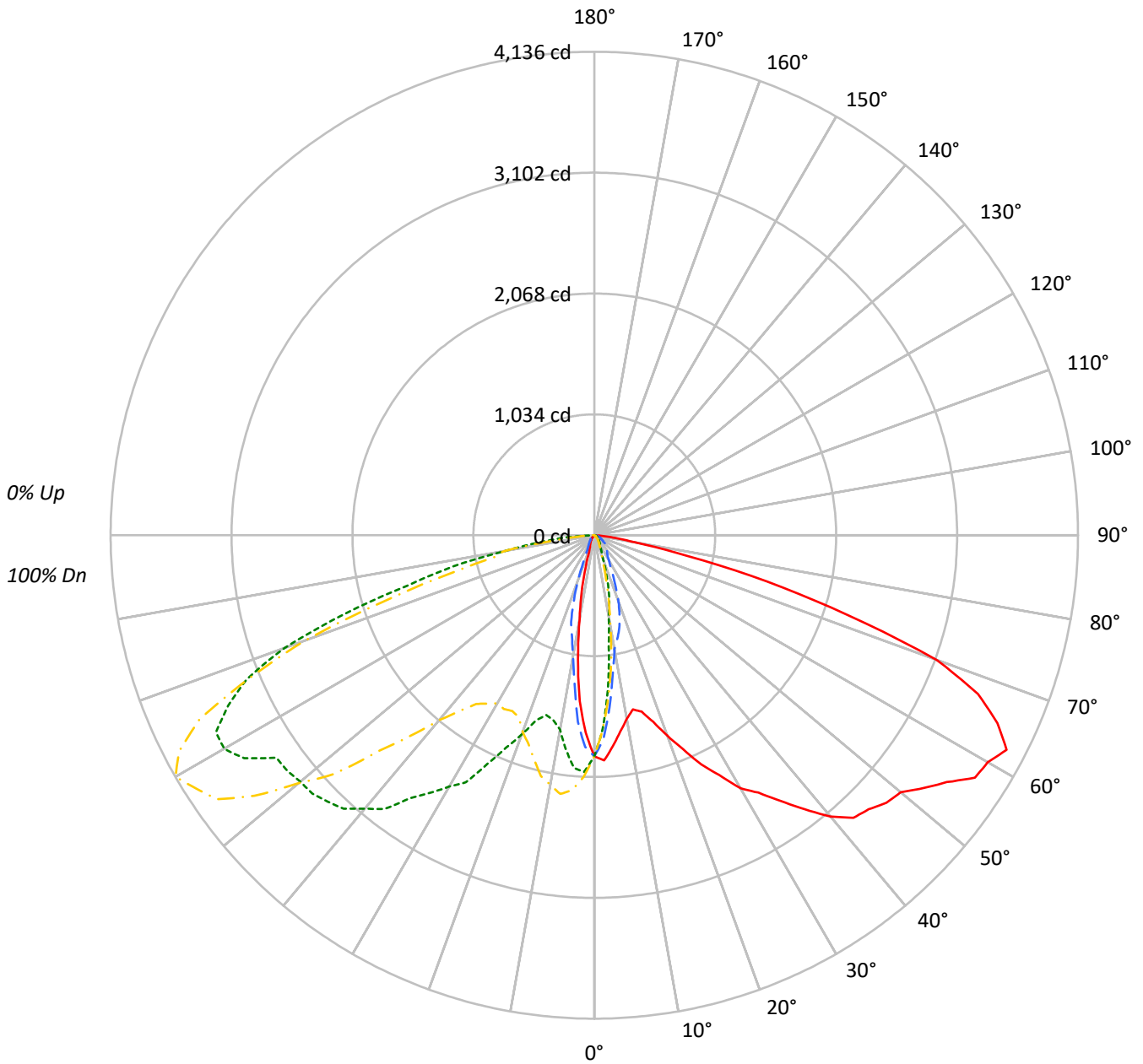
Lumens per Lamp: N/A
 Luminaire Lumens: 4943.5 lumens
 Efficiency: N/A
 Efficacy: 77.5 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 63.8
 Input Voltage (V): 120
 Input Current (A_{in}): 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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CATALOG NUMBER: IFLD-S-SA2A-827-U-SLR-HSS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	40685	40685	40685	40685
5°	39170	28629	30818	43173
10°	34873	15586	15792	36913
15°	34813	10397	6356	35466
20°	41801	5191	2534	41555
25°	51412	3261	1962	51160
30°	62121	2618	1491	61723
35°	72889	2102	1156	72153
40°	88242	1799	750	85808
45°	100955	1623	405	98155
50°	114537	1561	90	109852
55°	138161	1501	0	124556
60°	167276	1262	0	157347
65°	193691	1019	0	176041
70°	196131	837	0	177512
75°	126928	557	0	136136
80°	43292	161	0	96328
85°	21736	0	0	70767

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 CATALOG NUMBER: IFLD-S-SA2A-827-U-SLR-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	2.9
10°-20°	277.2	5.6
20°-30°	386.1	7.8
30°-40°	548.6	11.1
40°-50°	760.7	15.4
50°-60°	1036.5	21.0
60°-70°	1139.6	23.1
70°-80°	560.1	11.3
80°-90°	91.5	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°	806.5	16.3
0°-40°	1355.0	27.4
0°-60°	3152.3	63.8
0°-90°	4943.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4943.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1890	1890	1890	1890	1890	
5°	1813	1325	1426	1998	1813	166
15°	1562	466	285	1591	1562	462
25°	2164	137	83	2154	2164	1006
35°	2774	80	44	2746	2774	1761
45°	3316	53	13	3224	3316	2570
55°	3681	40	0	3319	3681	3311
65°	3802	20	0	3456	3802	3675
75°	1526	7	0	1637	1526	1664
85°	88	0	0	286	88	122
90°	0	0	0	0	0	

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 CATALOG NUMBER: IFLD-S-SA2A-827-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9
2.5°	1928.5	1951.2	1929.9	1855.2	1841.9	1805.9	1751.3	1747.3	1690.0	1696.6	1666.0
5°	1812.6	1835.2	1789.9	1691.3	1599.3	1526.0	1482.1	1403.4	1386.1	1347.4	1347.4
7.5°	1694.0	1692.6	1615.3	1532.7	1395.4	1260.8	1199.5	1086.2	1019.6	983.6	948.9
10°	1595.3	1574.0	1526.0	1355.4	1206.2	1066.2	990.3	915.6	846.3	786.3	726.4
12.5°	1526.0	1539.4	1463.4	1278.1	1084.9	987.6	906.3	827.7	745.0	677.1	610.4
15°	1562.0	1540.7	1451.4	1260.8	1064.9	931.6	823.7	727.7	635.7	546.4	495.8
17.5°	1674.0	1619.3	1514.0	1260.8	1023.6	846.3	715.7	602.4	503.8	423.8	361.2
20°	1824.6	1761.9	1648.6	1307.5	992.9	783.7	605.1	462.5	359.9	285.2	237.2
22.5°	1979.2	1929.9	1759.3	1326.1	956.9	699.7	477.1	334.5	239.9	191.9	167.9
25°	2164.4	2095.1	1908.5	1400.8	903.6	618.4	375.8	233.2	178.6	153.3	138.6
27.5°	2312.4	2300.4	2048.5	1446.1	863.6	551.8	297.2	185.3	147.9	129.3	120.0
30°	2499.0	2433.7	2219.1	1536.7	818.3	475.8	247.9	166.6	135.9	116.0	109.3
32.5°	2610.9	2580.3	2308.4	1587.3	767.7	413.2	213.2	146.6	123.9	109.3	102.6
35°	2773.5	2712.2	2436.3	1619.3	741.0	377.2	191.9	133.3	104.0	89.3	81.3
37.5°	2954.8	2932.1	2589.6	1618.0	702.4	355.9	177.3	123.9	98.6	82.6	73.3
40°	3140.0	3048.1	2682.9	1655.3	682.4	339.9	166.6	118.6	93.3	78.6	66.6
42.5°	3278.6	3173.3	2790.8	1642.0	658.4	311.9	162.6	110.6	89.3	72.0	61.3
45°	3316.0	3278.6	2888.1	1638.0	641.1	289.2	155.9	109.3	86.6	68.0	57.3
47.5°	3387.9	3362.6	3008.1	1644.7	627.7	271.9	139.9	112.0	82.6	64.0	54.6
50°	3419.9	3374.6	3105.4	1660.6	597.1	250.6	125.3	117.3	81.3	62.6	52.0
52.5°	3551.9	3511.9	3238.7	1706.0	571.8	222.6	110.6	112.0	84.0	58.6	49.3
55°	3681.1	3635.8	3443.9	1809.9	535.8	199.9	94.6	98.6	80.0	53.3	44.0
57.5°	3858.4	3783.8	3581.2	1852.6	503.8	169.3	84.0	81.3	74.6	48.0	38.7
60°	3885.1	3915.7	3561.2	1825.9	470.5	149.3	73.3	62.6	80.0	42.6	33.3
62.5°	3974.4	3846.4	3467.9	1764.6	446.5	137.3	65.3	52.0	69.3	37.3	28.0
65°	3802.4	3707.8	3249.3	1567.3	415.8	138.6	57.3	42.6	44.0	30.7	22.7
67.5°	3550.5	3475.9	2886.8	1352.8	385.2	135.9	50.6	37.3	33.3	26.7	20.0
70°	3116.0	2954.8	2452.3	1098.2	339.9	126.6	42.6	33.3	28.0	21.3	14.7
72.5°	2267.1	2201.8	1759.3	849.0	305.2	114.6	40.0	28.0	24.0	16.0	12.0
75°	1526.0	1418.1	1110.2	557.1	245.2	100.0	33.3	25.3	18.7	12.0	9.3
77.5°	806.3	762.4	629.1	265.2	135.9	46.6	18.7	14.7	10.7	9.3	5.3
80°	349.2	310.5	271.9	108.0	48.0	21.3	12.0	8.0	6.7	5.3	2.7
82.5°	178.6	170.6	141.3	46.6	28.0	16.0	6.7	5.3	4.0	2.7	1.3
85°	88.0	90.6	74.6	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

TEST NUMBER: P599312
 CATALOG NUMBER: IFLD-S-SA2A-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9
2.5°	1654.0	1672.6	1640.7	1660.6	1651.3	1655.3	1659.3	1648.6	1651.3	1688.6	1690.0
5°	1324.8	1360.8	1347.4	1366.1	1398.1	1382.1	1396.8	1394.1	1396.8	1402.1	1426.1
7.5°	944.9	934.3	959.6	1008.9	1066.2	1100.9	1083.6	1074.2	1068.9	1055.6	1071.6
10°	713.0	707.7	701.0	715.7	753.0	791.7	813.0	777.0	757.0	731.7	722.4
12.5°	591.8	558.4	539.8	517.1	527.8	562.4	563.8	529.1	497.1	483.8	498.5
15°	466.5	443.8	410.5	378.5	362.5	389.2	366.5	333.2	291.9	286.5	285.2
17.5°	333.2	319.9	295.9	282.5	263.9	257.2	233.2	182.6	153.3	145.3	147.9
20°	226.6	215.9	214.6	202.6	194.6	189.3	150.6	117.3	108.0	109.3	110.6
22.5°	167.9	162.6	155.9	154.6	147.9	141.3	110.6	98.6	92.0	92.0	96.0
25°	137.3	134.6	127.9	125.3	122.6	113.3	93.3	84.0	81.3	78.6	82.6
27.5°	117.3	116.0	112.0	108.0	105.3	96.0	81.3	73.3	70.6	70.6	70.6
30°	105.3	105.3	100.0	92.0	92.0	81.3	69.3	64.0	61.3	61.3	60.0
32.5°	98.6	96.0	89.3	84.0	80.0	69.3	61.3	56.0	52.0	52.0	53.3
35°	80.0	80.0	78.6	74.6	69.3	58.6	52.0	46.6	44.0	42.6	44.0
37.5°	70.6	66.6	61.3	62.6	60.0	50.6	44.0	40.0	36.0	36.0	36.0
40°	64.0	60.0	54.6	50.6	49.3	45.3	38.7	32.0	28.0	26.7	26.7
42.5°	57.3	54.6	46.6	40.0	38.7	38.7	29.3	24.0	20.0	20.0	20.0
45°	53.3	49.3	42.6	34.7	28.0	29.3	24.0	17.3	14.7	13.3	13.3
47.5°	50.6	46.6	37.3	29.3	21.3	21.3	17.3	12.0	9.3	8.0	8.0
50°	46.6	42.6	33.3	24.0	16.0	13.3	10.7	6.7	4.0	2.7	2.7
52.5°	44.0	40.0	29.3	20.0	13.3	9.3	6.7	1.3	0.0	0.0	0.0
55°	40.0	34.7	25.3	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°	29.3	25.3	16.0	9.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	24.0	21.3	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°	17.3	13.3	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	13.3	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

TEST NUMBER: P599312
 CATALOG NUMBER: IFLD-S-SA2A-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9
2.5°	1695.3	1735.3	1772.6	1783.3	1812.6	1893.9	1893.9	1932.5	2001.8	2027.2	2032.5
5°	1430.1	1472.7	1480.7	1563.4	1602.0	1684.6	1739.3	1869.9	1948.5	1997.8	2028.5
7.5°	1087.5	1102.2	1132.9	1210.2	1286.1	1386.1	1490.0	1656.6	1795.3	1851.2	1955.2
10°	747.7	791.7	858.3	927.6	1046.2	1156.9	1291.5	1448.7	1619.3	1688.6	1777.9
12.5°	503.8	565.1	671.7	770.3	879.6	991.6	1119.5	1330.1	1523.4	1619.3	1708.6
15°	294.5	369.2	461.1	621.1	766.3	891.6	1019.6	1232.8	1467.4	1591.3	1700.6
17.5°	149.3	171.9	247.9	386.5	578.4	783.7	974.3	1246.1	1510.0	1662.0	1752.6
20°	112.0	118.6	139.9	205.2	395.8	647.7	931.6	1266.1	1628.7	1813.9	1863.2
22.5°	97.3	102.6	112.0	133.3	222.6	495.8	871.6	1315.5	1789.9	1964.5	2068.5
25°	82.6	88.0	96.0	109.3	142.6	337.2	798.3	1367.4	1933.9	2153.8	2251.1
27.5°	72.0	76.0	84.0	94.6	116.0	214.6	671.7	1436.7	2153.8	2383.0	2408.3
30°	61.3	65.3	72.0	84.0	98.6	151.9	493.1	1446.1	2275.1	2483.0	2553.6
32.5°	53.3	54.6	62.6	73.3	82.6	120.0	346.5	1455.4	2364.4	2612.2	2626.9
35°	44.0	46.6	54.6	61.3	72.0	94.6	262.6	1408.7	2480.3	2745.5	2741.5
37.5°	36.0	40.0	45.3	50.6	58.6	80.0	209.2	1322.1	2625.6	2952.1	2826.8
40°	28.0	32.0	37.3	44.0	49.3	72.0	157.3	1191.5	2777.5	3053.4	2920.1
42.5°	20.0	22.7	28.0	34.7	44.0	60.0	113.3	1036.9	2837.5	3172.0	3032.1
45°	14.7	17.3	21.3	29.3	45.3	48.0	78.6	895.6	2901.5	3224.0	3006.8
47.5°	8.0	10.7	16.0	25.3	40.0	36.0	56.0	769.0	2974.8	3270.6	3026.7
50°	2.7	4.0	9.3	26.7	32.0	28.0	44.0	701.0	3046.7	3280.0	3066.7
52.5°	0.0	0.0	5.3	28.0	24.0	21.3	38.7	674.4	3028.1	3309.3	3041.4
55°	0.0	0.0	1.3	12.0	13.3	16.0	32.0	673.1	3160.0	3318.6	3180.0
57.5°	0.0	0.0	0.0	4.0	8.0	13.3	28.0	630.4	3244.0	3550.5	3366.6
60°	0.0	0.0	0.0	1.3	5.3	9.3	21.3	593.1	3329.3	3654.5	3566.5
62.5°	0.0	0.0	0.0	0.0	1.3	4.0	14.7	535.8	3157.4	3646.5	3759.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	9.3	423.8	2840.2	3455.9	3653.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.3	293.2	2487.0	3216.0	3457.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177.3	2007.2	2820.2	2932.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0	1432.7	2239.1	2405.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.7	886.3	1636.7	1841.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	574.4	1239.5	1398.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	306.5	777.0	903.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133.3	471.8	543.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.6	286.5	326.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	58.6
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: P599312
 CATALOG NUMBER: IFLD-S-SA2A-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9	1889.9
2.5°	2035.2	2073.8	2088.5	2065.8	2068.5	2021.8	2015.2	1949.9	1923.2	1928.5
5°	2128.4	2184.4	2215.1	2189.8	2132.4	2043.2	1961.9	1884.6	1836.6	1812.6
7.5°	2107.1	2169.8	2208.4	2232.4	2167.1	2023.2	1899.2	1753.9	1692.6	1694.0
10°	1989.8	2120.5	2199.1	2168.4	2137.8	1993.8	1801.9	1644.7	1590.0	1595.3
12.5°	1895.2	2040.5	2087.1	2111.1	2048.5	1933.9	1804.6	1624.7	1563.4	1526.0
15°	1836.6	1944.5	1947.2	1984.5	1959.2	1959.2	1832.6	1656.6	1603.3	1562.0
17.5°	1836.6	1860.6	1857.9	1871.2	1913.9	1964.5	1903.2	1785.9	1680.6	1674.0
20°	1877.9	1803.3	1785.9	1791.3	1827.2	1977.8	2059.1	1912.5	1845.9	1824.6
22.5°	1973.8	1809.9	1704.6	1686.0	1796.6	1976.5	2159.1	2112.5	1996.5	1979.2
25°	2105.8	1797.9	1683.3	1659.3	1743.3	2024.5	2296.4	2305.7	2200.4	2164.4
27.5°	2231.1	1851.2	1680.6	1675.3	1785.9	2013.8	2391.0	2460.3	2341.7	2312.4
30°	2273.7	1904.5	1729.9	1659.3	1801.9	2052.5	2388.3	2569.6	2492.3	2499.0
32.5°	2324.4	1957.9	1735.3	1707.3	1869.9	2115.1	2464.3	2745.5	2689.6	2610.9
35°	2399.0	2029.8	1785.9	1760.6	1917.9	2171.1	2480.3	2874.8	2865.5	2773.5
37.5°	2463.0	2100.5	1891.2	1895.2	2064.5	2261.7	2550.9	3033.4	3017.4	2954.8
40°	2508.3	2199.1	2055.1	2065.8	2192.4	2363.0	2676.2	3113.4	3232.0	3140.0
42.5°	2515.0	2287.1	2243.1	2328.4	2447.0	2520.3	2726.9	3168.0	3338.6	3278.6
45°	2540.3	2427.0	2549.6	2612.2	2709.5	2658.9	2724.2	3261.3	3346.6	3316.0
47.5°	2638.9	2681.6	2836.2	3026.7	3061.4	2894.8	2788.2	3276.0	3391.9	3387.9
50°	2741.5	2954.8	3172.0	3298.6	3342.6	3057.4	2848.2	3264.0	3451.9	3419.9
52.5°	2856.1	3192.0	3505.2	3661.1	3637.2	3237.3	2916.1	3361.3	3562.5	3551.9
55°	2928.1	3298.6	3719.8	3937.0	3918.4	3438.6	3132.0	3501.2	3707.8	3681.1
57.5°	3118.7	3471.9	3933.0	4034.3	4083.6	3702.5	3282.6	3730.5	3829.1	3858.4
60°	3276.0	3585.2	3989.0	4135.6	4152.9	3859.7	3546.5	3966.4	3983.7	3885.1
62.5°	3506.5	3629.2	3870.4	4002.3	4091.6	3949.0	3783.8	4093.0	3981.0	3974.4
65°	3675.8	3485.2	3649.2	3722.5	3779.8	3813.1	4022.3	4179.6	3931.7	3802.4
67.5°	3581.2	3213.3	3182.7	3186.7	3204.0	3405.3	3942.4	3967.7	3657.1	3550.5
70°	3152.0	2636.2	2594.9	2626.9	2540.3	2782.8	3618.5	3606.5	3226.7	3116.0
72.5°	2549.6	1921.9	1851.2	1895.2	1915.2	2172.4	3044.1	2734.9	2353.7	2267.1
75°	2025.8	1408.7	1188.8	1295.5	1363.4	1582.0	2377.7	1857.9	1643.3	1526.0
77.5°	1591.3	1066.2	924.9	882.3	944.9	1150.2	1729.9	975.6	861.0	806.3
80°	1008.9	783.7	850.3	789.0	815.7	821.0	901.0	443.8	353.2	349.2
82.5°	607.7	535.8	637.1	350.5	638.4	570.4	374.5	201.2	178.6	178.6
85°	430.5	331.9	219.9	142.6	283.9	313.2	145.3	104.0	90.6	88.0
87.5°	215.9	102.6	49.3	32.0	36.0	58.6	17.3	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)