

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: P598587

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

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598587
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2A-722-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (32) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

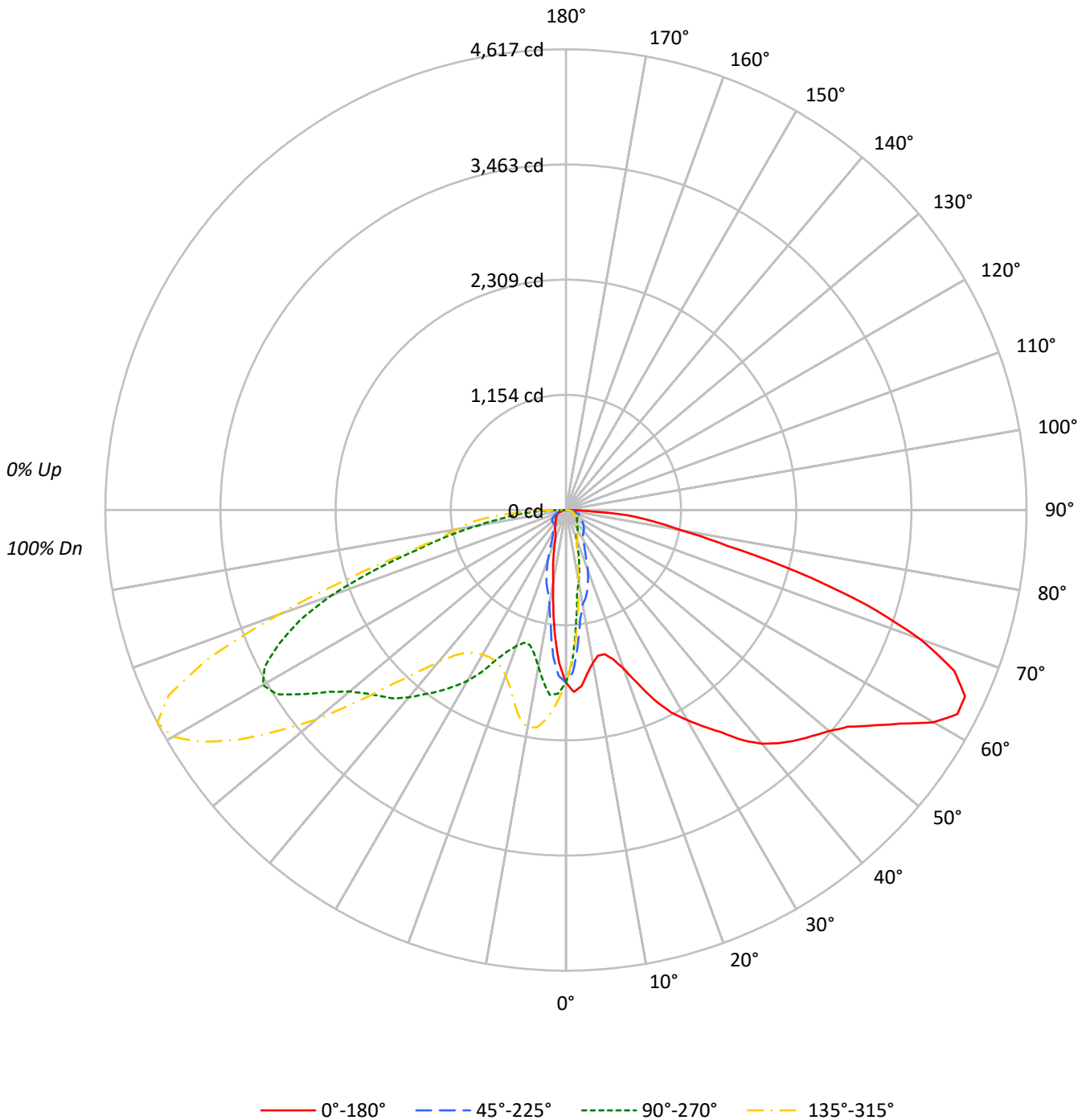
Lumens per Lamp: N/A
 Luminaire Lumens: 5784.3 lumens
 Efficiency: N/A
 Efficacy: 90.7 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

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: P598587
CATALOG NUMBER: IFLD-S-SA2A-722-U-SLR

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	37198	37198	37198	37198
5°	38280	24893	27194	40216
10°	33962	15818	15975	34755
15°	33333	11219	10624	31175
20°	38754	7097	7152	33210
25°	49837	6093	5922	39262
30°	60398	5775	5414	49147
35°	71486	5088	4896	58256
40°	85896	4828	4488	68823
45°	99391	4789	4348	80235
50°	115415	4863	4377	94747
55°	141239	4996	4451	120712
60°	183176	5003	4689	150979
65°	224851	5053	4809	161610
70°	237925	5331	5029	157352
75°	200282	5639	5032	128426
80°	145508	6595	5095	111006
85°	154229	9559	4174	115376

TEST NUMBER: P598587
 CATALOG NUMBER: IFLD-S-SA2A-722-U-SLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	2.3
10°-20°	279.9	4.8
20°-30°	403.3	7.0
30°-40°	580.6	10.0
40°-50°	824.7	14.3
50°-60°	1185.7	20.5
60°-70°	1369.9	23.7
70°-80°	775.7	13.4
80°-90°	230.8	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°	816.9	14.1
0°-40°	1397.5	24.2
0°-60°	3407.9	58.9
0°-90°	5784.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5784.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1728	1728	1728	1728	1728	
5°	1771	1152	1258	1861	1771	161
15°	1496	503	477	1399	1496	440
25°	2098	256	249	1653	2098	974
35°	2720	194	186	2217	2720	1726
45°	3265	157	143	2635	3265	2528
55°	3763	133	119	3216	3763	3408
65°	4414	99	94	3173	4414	4233
75°	2408	68	60	1544	2408	2555
85°	624	39	17	467	624	622
90°	0	0	0	0	0	

TEST NUMBER: P598587
 CATALOG NUMBER: IFLD-S-SA2A-722-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9
2.5°	1824.7	1822.3	1807.7	1761.8	1713.4	1667.4	1623.8	1577.8	1553.6	1524.6	1512.5
5°	1771.4	1766.6	1725.5	1623.8	1534.3	1437.5	1355.2	1289.9	1236.6	1183.4	1164.0
7.5°	1650.4	1643.2	1594.8	1454.4	1323.7	1197.9	1098.7	1014.0	943.8	912.3	876.0
10°	1553.6	1541.5	1478.6	1323.7	1154.3	1028.5	963.2	905.1	844.6	793.8	740.5
12.5°	1493.1	1478.6	1413.3	1231.8	1067.2	972.8	905.1	839.7	764.7	701.8	643.7
15°	1495.6	1478.6	1398.8	1207.6	1045.4	924.4	830.1	740.5	653.4	583.2	517.9
17.5°	1565.7	1544.0	1459.3	1241.5	1028.5	861.5	735.7	619.5	520.3	445.3	392.0
20°	1691.6	1677.1	1580.3	1292.3	1011.6	793.8	638.9	498.5	394.5	336.4	314.6
22.5°	1880.3	1863.4	1759.3	1369.7	1006.7	733.3	534.8	392.0	317.0	292.8	280.7
25°	2098.1	2066.7	1969.9	1500.4	1016.4	677.6	450.1	324.3	283.1	266.2	258.9
27.5°	2286.9	2267.5	2158.6	1623.8	1021.2	634.0	392.0	295.2	263.8	249.3	244.4
30°	2429.7	2422.4	2315.9	1759.3	1009.1	580.8	355.7	283.1	263.8	249.3	234.7
32.5°	2572.5	2574.9	2461.1	1863.4	992.2	534.8	321.9	251.7	232.3	222.6	225.1
35°	2720.1	2732.2	2635.4	1965.0	955.9	517.9	297.7	234.7	217.8	203.3	196.0
37.5°	2906.4	2937.9	2843.5	2078.8	919.6	503.4	285.6	222.6	205.7	193.6	183.9
40°	3056.5	3114.5	3058.9	2185.3	895.4	486.4	275.9	210.5	198.4	183.9	176.7
42.5°	3167.8	3235.5	3216.2	2267.5	895.4	469.5	266.2	203.3	193.6	176.7	167.0
45°	3264.6	3334.8	3332.3	2352.2	914.8	459.8	254.1	203.3	188.8	171.8	162.1
47.5°	3351.7	3421.9	3446.1	2458.7	946.2	455.0	239.6	198.4	188.8	169.4	154.9
50°	3446.1	3523.5	3596.1	2628.1	984.9	442.9	229.9	191.2	191.2	167.0	150.0
52.5°	3567.1	3654.2	3787.3	2838.7	1023.7	421.1	215.4	186.3	191.2	164.6	145.2
55°	3763.1	3835.7	4009.9	3090.3	1072.1	394.5	203.3	174.2	181.5	157.3	137.9
57.5°	3983.3	4046.2	4191.4	3283.9	1086.6	360.6	186.3	162.1	174.2	150.0	128.3
60°	4254.4	4285.8	4285.8	3339.6	1038.2	329.1	174.2	152.5	157.3	142.8	121.0
62.5°	4426.2	4426.2	4285.8	3238.0	946.2	302.5	164.6	142.8	137.9	133.1	113.7
65°	4414.1	4394.7	4186.6	2942.7	839.7	285.6	154.9	130.7	123.4	121.0	106.5
67.5°	4210.8	4176.9	3893.8	2526.5	728.4	278.3	145.2	118.6	113.7	108.9	96.8
70°	3780.0	3692.9	3344.4	2032.8	619.5	273.5	142.8	108.9	104.1	99.2	89.5
72.5°	3155.7	3044.4	2611.2	1563.3	520.3	256.5	135.5	96.8	94.4	89.5	79.9
75°	2407.9	2202.2	1822.3	1195.5	404.1	222.6	116.2	84.7	84.7	82.3	72.6
77.5°	1660.1	1553.6	1270.5	883.3	295.2	171.8	94.4	75.0	75.0	77.4	67.8
80°	1173.7	1074.5	905.1	634.0	186.3	116.2	72.6	62.9	70.2	75.0	62.9
82.5°	897.8	825.2	672.8	462.2	108.9	79.9	55.7	50.8	60.5	65.3	53.2
85°	624.4	537.2	341.2	309.8	62.9	48.4	41.1	41.1	53.2	65.3	48.4
87.5°	176.7	75.0	21.8	92.0	26.6	19.4	14.5	9.7	14.5	14.5	9.7
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: P598587
 CATALOG NUMBER: IFLD-S-SA2A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9
2.5°	1500.4	1485.9	1485.9	1481.0	1483.5	1485.9	1483.5	1500.4	1507.7	1517.3	1536.7
5°	1151.9	1171.3	1156.8	1171.3	1190.6	1219.7	1226.9	1248.7	1251.1	1268.1	1258.4
7.5°	854.3	851.8	839.7	856.7	909.9	951.1	970.4	982.5	984.9	984.9	972.8
10°	723.6	701.8	680.0	667.9	672.8	716.3	730.8	738.1	733.3	740.5	730.8
12.5°	619.5	600.2	568.7	546.9	532.4	544.5	559.0	566.3	571.1	583.2	592.9
15°	503.4	484.0	464.6	452.5	440.4	430.8	442.9	450.1	462.2	471.9	476.7
17.5°	382.4	372.7	363.0	370.3	370.3	365.4	370.3	372.7	377.5	384.8	382.4
20°	309.8	307.3	304.9	317.0	326.7	326.7	331.5	324.3	321.9	314.6	312.2
22.5°	275.9	275.9	278.3	288.0	297.7	302.5	302.5	290.4	278.3	273.5	275.9
25°	256.5	256.5	263.8	266.2	271.0	271.0	273.5	261.4	254.1	246.8	249.3
27.5°	242.0	242.0	244.4	244.4	246.8	246.8	249.3	244.4	234.7	232.3	232.3
30°	232.3	232.3	229.9	229.9	229.9	229.9	232.3	225.1	220.2	217.8	217.8
32.5°	222.6	220.2	217.8	217.8	215.4	215.4	217.8	210.5	208.1	208.1	208.1
35°	193.6	191.2	193.6	198.4	198.4	200.9	200.9	198.4	193.6	188.8	186.3
37.5°	181.5	179.1	179.1	179.1	183.9	186.3	188.8	183.9	176.7	169.4	169.4
40°	171.8	171.8	169.4	169.4	169.4	174.2	179.1	171.8	162.1	159.7	159.7
42.5°	164.6	162.1	159.7	157.3	154.9	162.1	167.0	157.3	152.5	152.5	152.5
45°	157.3	154.9	152.5	150.0	147.6	150.0	154.9	145.2	142.8	142.8	142.8
47.5°	150.0	147.6	142.8	140.4	137.9	137.9	142.8	135.5	133.1	135.5	135.5
50°	145.2	140.4	135.5	133.1	130.7	130.7	130.7	128.3	128.3	128.3	130.7
52.5°	140.4	135.5	128.3	125.8	123.4	123.4	123.4	123.4	121.0	123.4	125.8
55°	133.1	128.3	123.4	121.0	118.6	116.2	118.6	116.2	116.2	118.6	118.6
57.5°	123.4	118.6	113.7	113.7	111.3	111.3	113.7	111.3	111.3	113.7	113.7
60°	116.2	111.3	106.5	106.5	104.1	106.5	108.9	106.5	106.5	106.5	108.9
62.5°	106.5	104.1	99.2	99.2	99.2	99.2	101.6	99.2	101.6	101.6	101.6
65°	99.2	94.4	92.0	92.0	92.0	92.0	96.8	92.0	94.4	94.4	94.4
67.5°	92.0	87.1	84.7	84.7	84.7	84.7	89.5	84.7	87.1	89.5	87.1
70°	84.7	79.9	77.4	77.4	77.4	77.4	79.9	77.4	77.4	79.9	79.9
72.5°	75.0	72.6	70.2	70.2	67.8	70.2	72.6	70.2	70.2	70.2	70.2
75°	67.8	65.3	65.3	62.9	62.9	62.9	65.3	60.5	60.5	60.5	60.5
77.5°	62.9	58.1	58.1	58.1	55.7	58.1	55.7	50.8	50.8	50.8	50.8
80°	53.2	48.4	50.8	50.8	48.4	48.4	46.0	41.1	41.1	41.1	41.1
82.5°	43.6	38.7	41.1	41.1	41.1	41.1	36.3	33.9	31.5	29.0	29.0
85°	38.7	31.5	36.3	36.3	33.9	33.9	24.2	24.2	19.4	19.4	16.9
87.5°	7.3	4.8	9.7	12.1	12.1	14.5	9.7	12.1	7.3	4.8	4.8
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: P598587
 CATALOG NUMBER: IFLD-S-SA2A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9
2.5°	1534.3	1560.9	1597.2	1623.8	1665.0	1696.4	1744.8	1786.0	1824.7	1841.6	1858.6
5°	1287.4	1304.4	1360.0	1403.6	1468.9	1539.1	1626.2	1720.6	1817.4	1861.0	1911.8
7.5°	963.2	994.6	1026.1	1089.0	1168.9	1282.6	1393.9	1534.3	1669.8	1735.1	1822.3
10°	747.8	772.0	808.3	873.6	948.6	1043.0	1176.1	1343.1	1505.2	1589.9	1679.5
12.5°	600.2	634.0	682.4	750.2	837.3	934.1	1030.9	1185.8	1374.6	1471.4	1573.0
15°	486.4	513.0	566.3	651.0	752.6	851.8	953.5	1081.7	1287.4	1398.8	1519.8
17.5°	387.2	406.6	455.0	539.7	641.3	752.6	868.8	1030.9	1258.4	1393.9	1536.7
20°	314.6	329.1	360.6	423.5	520.3	641.3	786.5	982.5	1275.3	1449.6	1623.8
22.5°	275.9	280.7	295.2	329.1	409.0	537.2	711.5	941.4	1306.8	1531.9	1766.6
25°	249.3	254.1	258.9	280.7	326.7	447.7	646.1	917.2	1374.6	1652.9	1931.2
27.5°	232.3	237.2	239.6	249.3	280.7	382.4	590.5	902.7	1466.5	1829.5	2134.4
30°	217.8	217.8	225.1	239.6	261.4	336.4	542.1	868.8	1563.3	1977.1	2294.2
32.5°	205.7	208.1	217.8	225.1	239.6	297.7	493.7	825.2	1650.4	2098.1	2451.5
35°	183.9	183.9	186.3	198.4	217.8	266.2	450.1	781.7	1698.8	2216.7	2591.8
37.5°	169.4	171.8	176.7	186.3	203.3	244.4	413.8	733.3	1749.7	2328.0	2756.4
40°	159.7	162.1	167.0	176.7	193.6	225.1	382.4	694.5	1802.9	2449.0	2933.0
42.5°	152.5	154.9	159.7	169.4	183.9	220.2	348.5	663.1	1834.4	2560.4	3100.0
45°	145.2	147.6	154.9	164.6	176.7	215.4	329.1	641.3	1846.5	2635.4	3233.1
47.5°	137.9	140.4	147.6	162.1	176.7	208.1	321.9	629.2	1856.1	2720.1	3339.6
50°	130.7	135.5	145.2	159.7	179.1	198.4	317.0	626.8	1911.8	2829.0	3441.2
52.5°	125.8	133.1	142.8	159.7	176.7	183.9	314.6	634.0	2023.1	2991.1	3586.4
55°	121.0	128.3	137.9	159.7	169.4	171.8	302.5	646.1	2192.5	3216.2	3792.1
57.5°	116.2	121.0	133.1	154.9	159.7	162.1	278.3	663.1	2361.9	3436.4	4002.7
60°	108.9	113.7	125.8	154.9	145.2	152.5	246.8	667.9	2482.9	3506.6	4022.0
62.5°	101.6	106.5	118.6	159.7	133.1	142.8	220.2	651.0	2507.1	3404.9	3913.1
65°	94.4	99.2	108.9	133.1	123.4	133.1	203.3	605.0	2427.3	3172.6	3714.7
67.5°	87.1	92.0	99.2	108.9	111.3	121.0	196.0	532.4	2226.4	2884.6	3443.7
70°	77.4	82.3	89.5	96.8	99.2	113.7	183.9	462.2	1902.1	2499.9	3112.1
72.5°	70.2	72.6	79.9	84.7	89.5	104.1	176.7	404.1	1454.4	2023.1	2538.6
75°	60.5	60.5	67.8	72.6	77.4	92.0	162.1	336.4	1026.1	1544.0	1865.8
77.5°	50.8	50.8	55.7	60.5	65.3	79.9	137.9	273.5	711.5	1224.5	1352.8
80°	38.7	38.7	43.6	48.4	53.2	67.8	111.3	200.9	440.4	895.4	984.9
82.5°	26.6	26.6	33.9	36.3	38.7	53.2	84.7	137.9	258.9	646.1	704.2
85°	14.5	14.5	19.4	21.8	26.6	38.7	62.9	96.8	154.9	467.1	469.5
87.5°	2.4	2.4	7.3	7.3	12.1	19.4	36.3	53.2	87.1	258.9	164.6
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: P598587
 CATALOG NUMBER: IFLD-S-SA2A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9	1727.9
2.5°	1890.0	1916.6	1919.1	1919.1	1907.0	1909.4	1875.5	1839.2	1827.1	1824.7
5°	1989.2	2059.4	2078.8	2088.5	2057.0	2008.6	1921.5	1827.1	1778.7	1771.4
7.5°	1969.9	2110.2	2185.3	2194.9	2132.0	2018.3	1865.8	1720.6	1665.0	1650.4
10°	1856.1	2044.9	2180.4	2214.3	2146.5	2001.3	1802.9	1633.5	1565.7	1553.6
12.5°	1776.3	1957.8	2090.9	2136.9	2105.4	1979.6	1771.4	1577.8	1510.1	1493.1
15°	1732.7	1899.7	1986.8	2001.3	1998.9	1945.7	1771.4	1589.9	1514.9	1495.6
17.5°	1769.0	1882.8	1894.9	1861.0	1880.3	1907.0	1810.2	1655.3	1582.7	1565.7
20°	1841.6	1875.5	1817.4	1766.6	1776.3	1861.0	1870.7	1778.7	1720.6	1691.6
22.5°	1994.1	1902.1	1769.0	1698.8	1706.1	1824.7	1950.5	1945.7	1894.9	1880.3
25°	2149.0	1977.1	1754.5	1672.2	1681.9	1817.4	2044.9	2132.0	2105.4	2098.1
27.5°	2320.8	2103.0	1764.2	1660.1	1672.2	1827.1	2110.2	2289.3	2294.2	2286.9
30°	2436.9	2163.5	1793.2	1674.6	1691.6	1851.3	2124.8	2383.7	2427.3	2429.7
32.5°	2533.7	2224.0	1853.7	1698.8	1727.9	1894.9	2163.5	2473.2	2570.0	2572.5
35°	2611.2	2291.7	1928.7	1742.4	1786.0	1967.5	2214.3	2557.9	2703.1	2720.1
37.5°	2710.4	2366.8	2015.9	1836.8	1885.2	2071.5	2303.8	2657.2	2860.4	2906.4
40°	2816.9	2441.8	2141.7	1989.2	2059.4	2226.4	2405.5	2768.5	2993.5	3056.5
42.5°	2935.5	2521.6	2284.5	2194.9	2301.4	2422.4	2521.6	2870.1	3095.2	3167.8
45°	3051.6	2618.4	2492.6	2475.7	2594.2	2654.7	2635.4	2942.7	3192.0	3264.6
47.5°	3133.9	2758.8	2744.3	2845.9	2957.2	2925.8	2768.5	2996.0	3271.8	3351.7
50°	3208.9	2933.0	3061.3	3259.7	3327.5	3221.0	2911.3	3068.6	3356.5	3446.1
52.5°	3320.2	3119.4	3388.0	3634.8	3700.2	3530.8	3066.1	3187.1	3487.2	3567.1
55°	3547.7	3329.9	3729.2	4012.4	4024.5	3813.9	3274.3	3388.0	3671.1	3763.1
57.5°	3801.8	3588.9	4000.3	4324.5	4319.7	4097.1	3509.0	3659.0	3920.4	3983.3
60°	4031.7	3850.2	4295.5	4547.2	4535.1	4302.8	3782.5	3966.4	4206.0	4254.4
62.5°	4167.2	4087.4	4426.2	4617.4	4571.4	4370.5	4014.8	4239.8	4409.2	4426.2
65°	4145.5	4222.9	4273.7	4392.3	4327.0	4181.8	4128.5	4414.1	4431.0	4414.1
67.5°	3980.9	4145.5	3855.1	3867.2	3833.3	3709.9	3951.9	4368.1	4251.9	4210.8
70°	3731.6	3743.7	3223.4	3071.0	3124.2	2954.8	3390.4	4009.9	3830.9	3780.0
72.5°	3317.8	3167.8	2436.9	2282.1	2361.9	2240.9	2720.1	3494.5	3320.2	3155.7
75°	2783.0	2509.5	1856.1	1635.9	1677.1	1672.2	2107.8	2887.1	2572.5	2407.9
77.5°	2156.2	1955.4	1369.7	1285.0	1241.5	1251.1	1471.4	2146.5	1865.8	1660.1
80°	1575.4	1367.3	1060.0	1108.4	1084.2	1026.1	1030.9	1437.5	1297.1	1173.7
82.5°	1089.0	972.8	859.1	970.4	912.3	822.8	803.4	1035.8	972.8	897.8
85°	730.8	801.0	682.4	742.9	643.7	592.9	755.0	866.4	699.4	624.4
87.5°	476.7	733.3	491.3	372.7	213.0	285.6	462.2	568.7	326.7	176.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)