

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: P598805

Luminaire Tested: **IFLD-M-SA4A-827-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598805
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4A-827-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (64) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

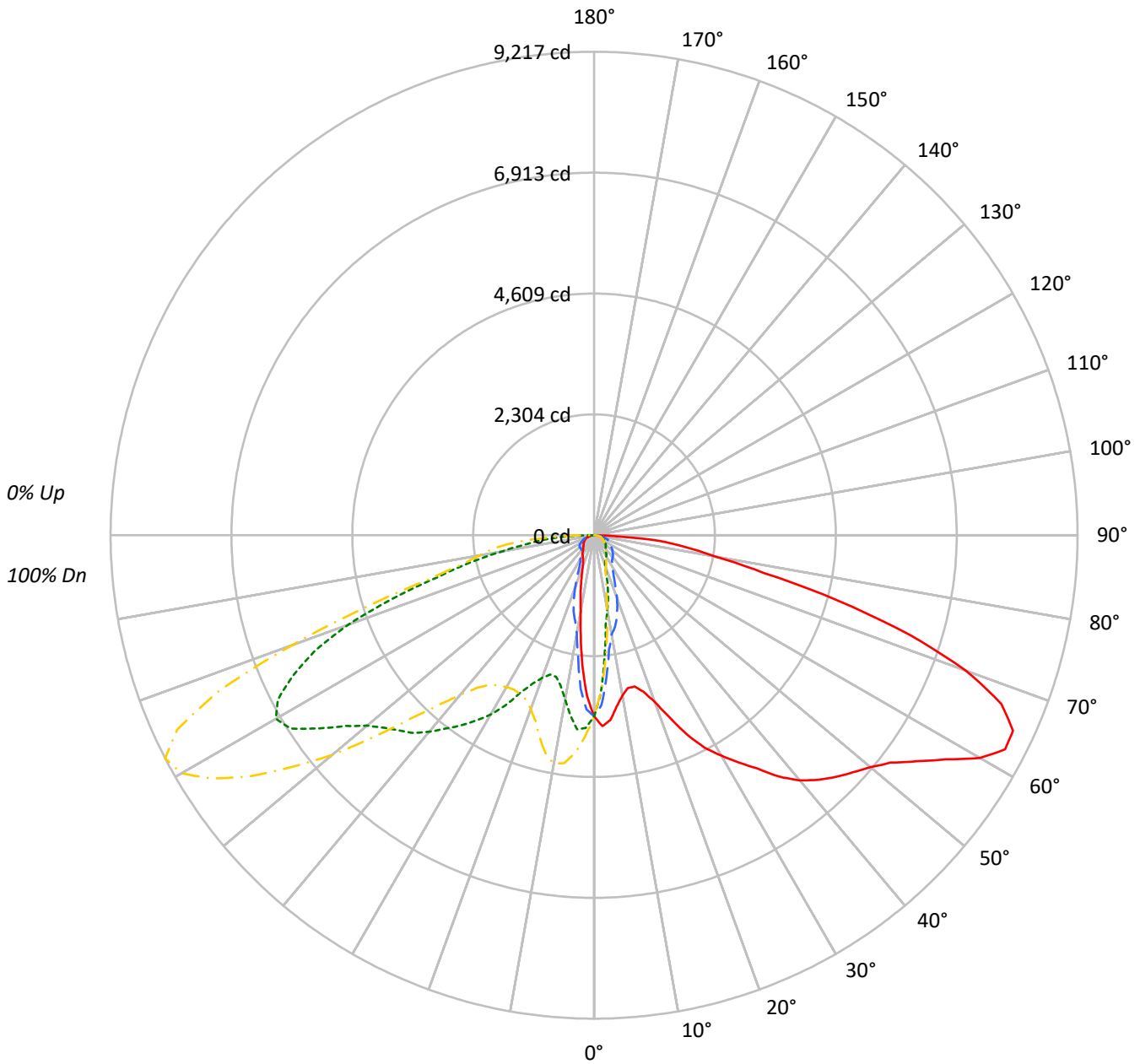
Lumens per Lamp: N/A
 Luminaire Lumens: 11546.9 lumens
 Efficiency: N/A
 Efficacy: 89.8 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 128.6
 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: 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	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°	37128	37128	37128	37128
5°	38209	24846	27143	40141
10°	33898	15787	15946	34691
15°	33269	11197	10605	31116
20°	38680	7084	7139	33147
25°	49744	6082	5910	39187
30°	60284	5765	5404	49056
35°	71351	5079	4888	58147
40°	85733	4820	4480	68695
45°	99203	4780	4338	80084
50°	115197	4855	4369	94568
55°	140974	4986	4442	120485
60°	182829	4992	4680	150695
65°	224428	5046	4798	161307
70°	237481	5322	5017	157053
75°	199908	5627	5024	128180
80°	145235	6589	5089	110795
85°	153933	9547	4174	115153

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.9	2.3
10°-20°	558.7	4.8
20°-30°	805.1	7.0
30°-40°	1159.0	10.0
40°-50°	1646.3	14.3
50°-60°	2367.0	20.5
60°-70°	2734.6	23.7
70°-80°	1548.4	13.4
80°-90°	460.8	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°	1630.7	14.1
0°-40°	2789.8	24.2
0°-60°	6803.1	58.9
0°-90°	11546.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11546.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3449	3449	3449	3449	3449	
5°	3536	2300	2512	3715	3536	321
15°	2986	1005	952	2792	2986	878
25°	4188	512	498	3300	4188	1944
35°	5430	386	372	4425	5430	3446
45°	6517	314	285	5261	6517	5046
55°	7512	266	237	6420	7512	6803
65°	8812	198	188	6333	8812	8450
75°	4807	135	121	3082	4807	5100
85°	1246	77	34	932	1246	1241
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°	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3
2.5°	3642.5	3637.7	3608.7	3516.9	3420.3	3328.5	3241.5	3149.8	3101.4	3043.5	3019.3
5°	3536.2	3526.6	3444.4	3241.5	3062.8	2869.6	2705.3	2574.9	2468.6	2362.3	2323.7
7.5°	3294.7	3280.2	3183.6	2903.4	2642.5	2391.3	2193.2	2024.2	1884.1	1821.3	1748.8
10°	3101.4	3077.3	2951.7	2642.5	2304.3	2053.1	1922.7	1806.8	1686.0	1584.5	1478.3
12.5°	2980.7	2951.7	2821.3	2458.9	2130.4	1942.0	1806.8	1676.3	1526.6	1401.0	1285.0
15°	2985.5	2951.7	2792.3	2410.6	2087.0	1845.4	1657.0	1478.3	1304.3	1164.3	1033.8
17.5°	3125.6	3082.1	2913.0	2478.3	2053.1	1719.8	1468.6	1236.7	1038.6	888.9	782.6
20°	3376.8	3347.8	3154.6	2579.7	2019.3	1584.5	1275.4	995.2	787.4	671.5	628.0
22.5°	3753.6	3719.8	3512.1	2734.3	2009.7	1463.8	1067.6	782.6	632.8	584.5	560.4
25°	4188.4	4125.6	3932.4	2995.2	2029.0	1352.7	898.6	647.3	565.2	531.4	516.9
27.5°	4565.2	4526.6	4309.2	3241.5	2038.6	1265.7	782.6	589.4	526.6	497.6	487.9
30°	4850.2	4835.7	4623.2	3512.1	2014.5	1159.4	710.1	565.2	526.6	497.6	468.6
32.5°	5135.3	5140.1	4913.0	3719.8	1980.7	1067.6	642.5	502.4	463.8	444.4	449.3
35°	5429.9	5454.1	5260.9	3922.7	1908.2	1033.8	594.2	468.6	434.8	405.8	391.3
37.5°	5801.9	5864.7	5676.3	4149.8	1835.7	1004.8	570.0	444.4	410.6	386.5	367.1
40°	6101.4	6217.4	6106.3	4362.3	1787.4	971.0	550.7	420.3	396.1	367.1	352.7
42.5°	6323.7	6458.9	6420.3	4526.6	1787.4	937.2	531.4	405.8	386.5	352.7	333.3
45°	6516.9	6657.0	6652.2	4695.6	1826.1	917.9	507.2	405.8	376.8	343.0	323.7
47.5°	6690.8	6830.9	6879.2	4908.2	1888.9	908.2	478.3	396.1	376.8	338.2	309.2
50°	6879.2	7033.8	7178.7	5246.4	1966.2	884.1	458.9	381.6	381.6	333.3	299.5
52.5°	7120.8	7294.7	7560.4	5666.7	2043.5	840.6	430.0	372.0	381.6	328.5	289.9
55°	7512.1	7657.0	8004.8	6169.1	2140.1	787.4	405.8	347.8	362.3	314.0	275.4
57.5°	7951.7	8077.3	8367.1	6555.6	2169.1	719.8	372.0	323.7	347.8	299.5	256.0
60°	8492.7	8555.6	8555.6	6666.7	2072.5	657.0	347.8	304.3	314.0	285.0	241.5
62.5°	8835.7	8835.7	8555.6	6463.8	1888.9	603.9	328.5	285.0	275.4	265.7	227.1
65°	8811.6	8772.9	8357.5	5874.4	1676.3	570.0	309.2	260.9	246.4	241.5	212.6
67.5°	8405.8	8338.2	7772.9	5043.5	1454.1	555.6	289.9	236.7	227.1	217.4	193.2
70°	7545.9	7372.0	6676.3	4058.0	1236.7	545.9	285.0	217.4	207.7	198.1	178.7
72.5°	6299.5	6077.3	5212.6	3120.8	1038.6	512.1	270.5	193.2	188.4	178.7	159.4
75°	4806.8	4396.1	3637.7	2386.5	806.8	444.4	231.9	169.1	169.1	164.3	144.9
77.5°	3314.0	3101.4	2536.2	1763.3	589.4	343.0	188.4	149.8	149.8	154.6	135.3
80°	2343.0	2144.9	1806.8	1265.7	372.0	231.9	144.9	125.6	140.1	149.8	125.6
82.5°	1792.3	1647.3	1343.0	922.7	217.4	159.4	111.1	101.4	120.8	130.4	106.3
85°	1246.4	1072.5	681.2	618.4	125.6	96.6	82.1	82.1	106.3	130.4	96.6
87.5°	352.7	149.8	43.5	183.6	53.1	38.6	29.0	19.3	29.0	29.0	19.3
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°	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3
2.5°	2995.2	2966.2	2966.2	2956.5	2961.4	2966.2	2961.4	2995.2	3009.7	3029.0	3067.6
5°	2299.5	2338.2	2309.2	2338.2	2376.8	2434.8	2449.3	2492.8	2497.6	2531.4	2512.1
7.5°	1705.3	1700.5	1676.3	1710.1	1816.4	1898.5	1937.2	1961.4	1966.2	1966.2	1942.0
10°	1444.4	1401.0	1357.5	1333.3	1343.0	1430.0	1458.9	1473.4	1463.8	1478.3	1458.9
12.5°	1236.7	1198.1	1135.3	1091.8	1062.8	1087.0	1115.9	1130.4	1140.1	1164.3	1183.6
15°	1004.8	966.2	927.5	903.4	879.2	859.9	884.1	898.6	922.7	942.0	951.7
17.5°	763.3	744.0	724.6	739.1	739.1	729.5	739.1	744.0	753.6	768.1	763.3
20°	618.4	613.5	608.7	632.8	652.2	652.2	661.8	647.3	642.5	628.0	623.2
22.5°	550.7	550.7	555.6	574.9	594.2	603.9	603.9	579.7	555.6	545.9	550.7
25°	512.1	512.1	526.6	531.4	541.1	541.1	545.9	521.7	507.2	492.8	497.6
27.5°	483.1	483.1	487.9	487.9	492.8	492.8	497.6	487.9	468.6	463.8	463.8
30°	463.8	463.8	458.9	458.9	458.9	458.9	463.8	449.3	439.6	434.8	434.8
32.5°	444.4	439.6	434.8	434.8	430.0	430.0	434.8	420.3	415.5	415.5	415.5
35°	386.5	381.6	386.5	396.1	396.1	401.0	401.0	396.1	386.5	376.8	372.0
37.5°	362.3	357.5	357.5	357.5	367.1	372.0	376.8	367.1	352.7	338.2	338.2
40°	343.0	343.0	338.2	338.2	338.2	347.8	357.5	343.0	323.7	318.8	318.8
42.5°	328.5	323.7	318.8	314.0	309.2	323.7	333.3	314.0	304.3	304.3	304.3
45°	314.0	309.2	304.3	299.5	294.7	299.5	309.2	289.9	285.0	285.0	285.0
47.5°	299.5	294.7	285.0	280.2	275.4	275.4	285.0	270.5	265.7	270.5	270.5
50°	289.9	280.2	270.5	265.7	260.9	260.9	260.9	256.0	256.0	256.0	260.9
52.5°	280.2	270.5	256.0	251.2	246.4	246.4	246.4	246.4	241.5	246.4	251.2
55°	265.7	256.0	246.4	241.5	236.7	231.9	236.7	231.9	231.9	236.7	236.7
57.5°	246.4	236.7	227.1	227.1	222.2	222.2	227.1	222.2	222.2	227.1	227.1
60°	231.9	222.2	212.6	212.6	207.7	212.6	217.4	212.6	212.6	212.6	217.4
62.5°	212.6	207.7	198.1	198.1	198.1	198.1	202.9	198.1	202.9	202.9	202.9
65°	198.1	188.4	183.6	183.6	183.6	183.6	193.2	183.6	188.4	188.4	188.4
67.5°	183.6	173.9	169.1	169.1	169.1	169.1	178.7	169.1	173.9	178.7	173.9
70°	169.1	159.4	154.6	154.6	154.6	154.6	159.4	154.6	154.6	159.4	159.4
72.5°	149.8	144.9	140.1	140.1	135.3	140.1	144.9	140.1	140.1	140.1	140.1
75°	135.3	130.4	130.4	125.6	125.6	125.6	130.4	120.8	120.8	120.8	120.8
77.5°	125.6	115.9	115.9	115.9	111.1	115.9	111.1	101.4	101.4	101.4	101.4
80°	106.3	96.6	101.4	101.4	96.6	96.6	91.8	82.1	82.1	82.1	82.1
82.5°	87.0	77.3	82.1	82.1	82.1	82.1	72.5	67.6	62.8	58.0	58.0
85°	77.3	62.8	72.5	72.5	67.6	67.6	48.3	48.3	38.6	38.6	33.8
87.5°	14.5	9.7	19.3	24.2	24.2	29.0	19.3	24.2	14.5	9.7	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3
2.5°	3062.8	3115.9	3188.4	3241.5	3323.7	3386.5	3483.1	3565.2	3642.5	3676.3	3710.1
5°	2570.0	2603.9	2715.0	2801.9	2932.4	3072.5	3246.4	3434.8	3628.0	3715.0	3816.4
7.5°	1922.7	1985.5	2048.3	2173.9	2333.3	2560.4	2782.6	3062.8	3333.3	3463.8	3637.7
10°	1492.8	1541.1	1613.5	1744.0	1893.7	2082.1	2347.8	2681.2	3004.8	3173.9	3352.7
12.5°	1198.1	1265.7	1362.3	1497.6	1671.5	1864.7	2058.0	2367.1	2744.0	2937.2	3140.1
15°	971.0	1024.2	1130.4	1299.5	1502.4	1700.5	1903.4	2159.4	2570.0	2792.3	3033.8
17.5°	772.9	811.6	908.2	1077.3	1280.2	1502.4	1734.3	2058.0	2512.1	2782.6	3067.6
20°	628.0	657.0	719.8	845.4	1038.6	1280.2	1570.0	1961.4	2545.9	2893.7	3241.5
22.5°	550.7	560.4	589.4	657.0	816.4	1072.5	1420.3	1879.2	2608.7	3058.0	3526.6
25°	497.6	507.2	516.9	560.4	652.2	893.7	1289.9	1830.9	2744.0	3299.5	3855.1
27.5°	463.8	473.4	478.3	497.6	560.4	763.3	1178.7	1801.9	2927.5	3652.2	4260.9
30°	434.8	434.8	449.3	478.3	521.7	671.5	1082.1	1734.3	3120.8	3946.9	4579.7
32.5°	410.6	415.5	434.8	449.3	478.3	594.2	985.5	1647.3	3294.7	4188.4	4893.7
35°	367.1	367.1	372.0	396.1	434.8	531.4	898.6	1560.4	3391.3	4425.1	5173.9
37.5°	338.2	343.0	352.7	372.0	405.8	487.9	826.1	1463.8	3492.8	4647.3	5502.4
40°	318.8	323.7	333.3	352.7	386.5	449.3	763.3	1386.5	3599.0	4888.9	5855.1
42.5°	304.3	309.2	318.8	338.2	367.1	439.6	695.7	1323.7	3661.8	5111.1	6188.4
45°	289.9	294.7	309.2	328.5	352.7	430.0	657.0	1280.2	3686.0	5260.9	6454.1
47.5°	275.4	280.2	294.7	323.7	352.7	415.5	642.5	1256.0	3705.3	5429.9	6666.7
50°	260.9	270.5	289.9	318.8	357.5	396.1	632.8	1251.2	3816.4	5647.3	6869.6
52.5°	251.2	265.7	285.0	318.8	352.7	367.1	628.0	1265.7	4038.6	5971.0	7159.4
55°	241.5	256.0	275.4	318.8	338.2	343.0	603.9	1289.9	4376.8	6420.3	7570.0
57.5°	231.9	241.5	265.7	309.2	318.8	323.7	555.6	1323.7	4715.0	6859.9	7990.3
60°	217.4	227.1	251.2	309.2	289.9	304.3	492.8	1333.3	4956.5	7000.0	8029.0
62.5°	202.9	212.6	236.7	318.8	265.7	285.0	439.6	1299.5	5004.8	6797.1	7811.6
65°	188.4	198.1	217.4	265.7	246.4	265.7	405.8	1207.7	4845.4	6333.3	7415.5
67.5°	173.9	183.6	198.1	217.4	222.2	241.5	391.3	1062.8	4444.4	5758.5	6874.4
70°	154.6	164.3	178.7	193.2	198.1	227.1	367.1	922.7	3797.1	4990.3	6212.6
72.5°	140.1	144.9	159.4	169.1	178.7	207.7	352.7	806.8	2903.4	4038.6	5067.6
75°	120.8	120.8	135.3	144.9	154.6	183.6	323.7	671.5	2048.3	3082.1	3724.6
77.5°	101.4	101.4	111.1	120.8	130.4	159.4	275.4	545.9	1420.3	2444.4	2700.5
80°	77.3	77.3	87.0	96.6	106.3	135.3	222.2	401.0	879.2	1787.4	1966.2
82.5°	53.1	53.1	67.6	72.5	77.3	106.3	169.1	275.4	516.9	1289.9	1405.8
85°	29.0	29.0	38.6	43.5	53.1	77.3	125.6	193.2	309.2	932.4	937.2
87.5°	4.8	4.8	14.5	14.5	24.2	38.6	72.5	106.3	173.9	516.9	328.5
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: P598805
 CATALOG NUMBER: IFLD-M-SA4A-827-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3	3449.3
2.5°	3772.9	3826.1	3830.9	3830.9	3806.8	3811.6	3744.0	3671.5	3647.3	3642.5
5°	3971.0	4111.1	4149.8	4169.1	4106.3	4009.7	3835.7	3647.3	3550.7	3536.2
7.5°	3932.4	4212.6	4362.3	4381.6	4256.0	4029.0	3724.6	3434.8	3323.7	3294.7
10°	3705.3	4082.1	4352.7	4420.3	4285.0	3995.2	3599.0	3260.9	3125.6	3101.4
12.5°	3545.9	3908.2	4173.9	4265.7	4202.9	3951.7	3536.2	3149.8	3014.5	2980.7
15°	3458.9	3792.3	3966.2	3995.2	3990.3	3884.1	3536.2	3173.9	3024.2	2985.5
17.5°	3531.4	3758.5	3782.6	3715.0	3753.6	3806.8	3613.5	3304.3	3159.4	3125.6
20°	3676.3	3744.0	3628.0	3526.6	3545.9	3715.0	3734.3	3550.7	3434.8	3376.8
22.5°	3980.7	3797.1	3531.4	3391.3	3405.8	3642.5	3893.7	3884.1	3782.6	3753.6
25°	4289.9	3946.9	3502.4	3338.2	3357.5	3628.0	4082.1	4256.0	4202.9	4188.4
27.5°	4632.8	4198.1	3521.7	3314.0	3338.2	3647.3	4212.6	4570.0	4579.7	4565.2
30°	4864.7	4318.8	3579.7	3343.0	3376.8	3695.7	4241.5	4758.5	4845.4	4850.2
32.5°	5058.0	4439.6	3700.5	3391.3	3449.3	3782.6	4318.8	4937.2	5130.4	5135.3
35°	5212.6	4574.9	3850.2	3478.3	3565.2	3927.5	4420.3	5106.3	5396.1	5429.9
37.5°	5410.6	4724.6	4024.2	3666.7	3763.3	4135.3	4599.0	5304.3	5710.1	5801.9
40°	5623.2	4874.4	4275.4	3971.0	4111.1	4444.4	4801.9	5526.6	5975.8	6101.4
42.5°	5859.9	5033.8	4560.4	4381.6	4594.2	4835.7	5033.8	5729.5	6178.7	6323.7
45°	6091.8	5227.1	4975.8	4942.0	5178.7	5299.5	5260.9	5874.4	6372.0	6516.9
47.5°	6256.0	5507.2	5478.3	5681.2	5903.4	5840.6	5526.6	5980.7	6531.4	6690.8
50°	6405.8	5855.1	6111.1	6507.2	6642.5	6429.9	5811.6	6125.6	6700.5	6879.2
52.5°	6628.0	6227.0	6763.3	7256.0	7386.5	7048.3	6120.8	6362.3	6961.3	7120.8
55°	7082.1	6647.3	7444.4	8009.7	8033.8	7613.5	6536.2	6763.3	7328.5	7512.1
57.5°	7589.4	7164.2	7985.5	8632.8	8623.2	8178.7	7004.8	7304.3	7826.1	7951.7
60°	8048.3	7686.0	8574.9	9077.3	9053.1	8589.4	7550.7	7917.9	8396.1	8492.7
62.5°	8318.8	8159.4	8835.7	9217.4	9125.6	8724.6	8014.5	8463.8	8801.9	8835.7
65°	8275.4	8429.9	8531.4	8768.1	8637.7	8347.8	8241.5	8811.6	8845.4	8811.6
67.5°	7946.9	8275.4	7695.6	7719.8	7652.2	7405.8	7888.9	8719.8	8487.9	8405.8
70°	7449.3	7473.4	6434.8	6130.4	6236.7	5898.5	6768.1	8004.8	7647.3	7545.9
72.5°	6623.2	6323.7	4864.7	4555.6	4715.0	4473.4	5429.9	6975.8	6628.0	6299.5
75°	5555.6	5009.7	3705.3	3265.7	3347.8	3338.2	4207.7	5763.3	5135.3	4806.8
77.5°	4304.3	3903.4	2734.3	2565.2	2478.3	2497.6	2937.2	4285.0	3724.6	3314.0
80°	3144.9	2729.5	2115.9	2212.6	2164.3	2048.3	2058.0	2869.6	2589.4	2343.0
82.5°	2173.9	1942.0	1715.0	1937.2	1821.3	1642.5	1603.9	2067.6	1942.0	1792.3
85°	1458.9	1599.0	1362.3	1483.1	1285.0	1183.6	1507.2	1729.5	1396.1	1246.4
87.5°	951.7	1463.8	980.7	744.0	425.1	570.0	922.7	1135.3	652.2	352.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)