

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: P598633

Luminaire Tested: **IFLD-M-SA4C-727-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598633
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4C-727-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (64) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

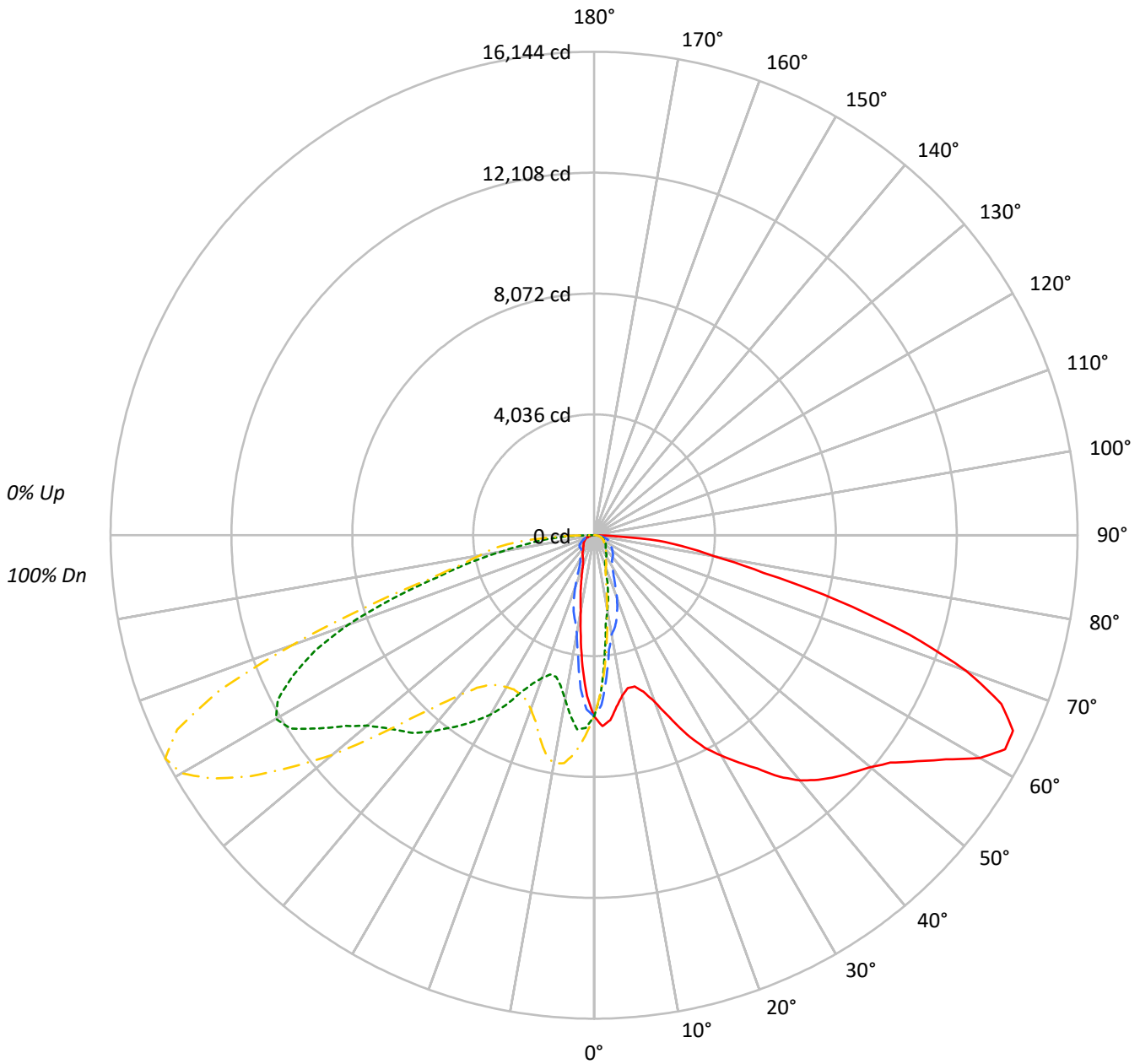
Lumens per Lamp: N/A
 Luminaire Lumens: 20224.6 lumens
 Efficiency: N/A
 Efficacy: 92.7 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 218.1
 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	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°	65029	65029	65029	65029
5°	66924	43518	47541	70306
10°	59374	27653	27929	60761
15°	58272	19613	18575	54500
20°	67749	12407	12503	58057
25°	87127	10652	10351	68636
30°	105589	10096	9465	85922
35°	124972	8895	8561	101847
40°	150163	8442	7848	120320
45°	173755	8372	7599	140267
50°	201769	8502	7651	165638
55°	246918	8734	7781	211031
60°	320231	8742	8198	263944
65°	393088	8835	8405	282532
70°	415950	9319	8787	275081
75°	350138	9852	8796	224512
80°	254382	11542	8914	194062
85°	269605	16722	7311	201691

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.6	2.3
10°-20°	978.5	4.8
20°-30°	1410.2	7.0
30°-40°	2030.1	10.0
40°-50°	2883.6	14.3
50°-60°	4145.8	20.5
60°-70°	4789.7	23.7
70°-80°	2712.0	13.4
80°-90°	807.1	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°	2856.3	14.1
0°-40°	4886.3	24.2
0°-60°	11915.7	58.9
0°-90°	20224.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20224.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6041	6041	6041	6041	6041	
5°	6194	4028	4400	6507	6194	562
15°	5229	1760	1667	4891	5229	1538
25°	7336	897	872	5779	7336	3405
35°	9511	677	652	7751	9511	6036
45°	11414	550	499	9214	11414	8838
55°	13158	465	415	11245	13158	11916
65°	15434	347	330	11093	15434	14800
75°	8419	237	212	5398	8419	8933
85°	2183	135	59	1633	2183	2174
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°	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4
2.5°	6379.9	6371.4	6320.7	6159.9	5990.7	5829.9	5677.6	5516.8	5432.2	5330.7	5288.4
5°	6193.8	6176.8	6033.0	5677.6	5364.5	5026.1	4738.4	4509.9	4323.8	4137.6	4069.9
7.5°	5770.7	5745.3	5576.1	5085.3	4628.4	4188.4	3841.5	3545.3	3299.9	3190.0	3063.0
10°	5432.2	5389.9	5169.9	4628.4	4036.1	3596.1	3367.6	3164.6	2953.0	2775.3	2589.2
12.5°	5220.7	5169.9	4941.5	4306.9	3731.5	3401.5	3164.6	2936.1	2673.8	2453.8	2250.7
15°	5229.2	5169.9	4890.7	4222.2	3655.3	3232.3	2902.3	2589.2	2284.6	2039.2	1810.7
17.5°	5474.5	5398.4	5102.2	4340.7	3596.1	3012.3	2572.3	2166.1	1819.2	1556.9	1370.7
20°	5914.5	5863.8	5525.3	4518.4	3536.9	2775.3	2233.8	1743.1	1379.2	1176.1	1100.0
22.5°	6574.5	6515.3	6151.4	4789.2	3519.9	2563.8	1870.0	1370.7	1108.4	1023.8	981.5
25°	7336.0	7226.0	6887.6	5246.1	3553.8	2369.2	1573.8	1133.8	990.0	930.8	905.4
27.5°	7996.0	7928.3	7547.6	5677.6	3570.7	2216.9	1370.7	1032.3	922.3	871.5	854.6
30°	8495.3	8469.9	8097.6	6151.4	3528.4	2030.7	1243.8	990.0	922.3	871.5	820.8
32.5°	8994.5	9002.9	8605.3	6515.3	3469.2	1870.0	1125.4	880.0	812.3	778.4	786.9
35°	9510.6	9552.9	9214.5	6870.7	3342.3	1810.7	1040.8	820.8	761.5	710.8	685.4
37.5°	10162.2	10272.2	9942.2	7268.4	3215.3	1760.0	998.4	778.4	719.2	676.9	643.1
40°	10686.8	10889.8	10695.2	7640.7	3130.7	1700.7	964.6	736.1	693.8	643.1	617.7
42.5°	11076.0	11312.9	11245.2	7928.3	3130.7	1641.5	930.8	710.8	676.9	617.7	583.8
45°	11414.4	11659.8	11651.4	8224.5	3198.4	1607.7	888.4	710.8	660.0	600.8	566.9
47.5°	11719.1	11964.4	12049.0	8596.8	3308.4	1590.7	837.7	693.8	660.0	592.3	541.5
50°	12049.0	12319.8	12573.7	9189.1	3443.8	1548.4	803.8	668.5	668.5	583.8	524.6
52.5°	12472.1	12776.7	13242.1	9925.2	3579.2	1472.3	753.1	651.5	668.5	575.4	507.7
55°	13157.5	13411.3	14020.6	10805.2	3748.4	1379.2	710.8	609.2	634.6	550.0	482.3
57.5°	13927.5	14147.5	14655.2	11482.1	3799.2	1260.7	651.5	566.9	609.2	524.6	448.5
60°	14875.2	14985.2	14985.2	11676.7	3629.9	1150.8	609.2	533.1	550.0	499.2	423.1
62.5°	15475.9	15475.9	14985.2	11321.4	3308.4	1057.7	575.4	499.2	482.3	465.4	397.7
65°	15433.6	15365.9	14638.2	10289.1	2936.1	998.4	541.5	456.9	431.5	423.1	372.3
67.5°	14722.9	14604.4	13614.4	8833.7	2546.9	973.1	507.7	414.6	397.7	380.8	338.5
70°	13216.7	12912.1	11693.7	7107.6	2166.1	956.1	499.2	380.8	363.8	346.9	313.1
72.5°	11033.7	10644.5	9129.9	5466.1	1819.2	896.9	473.8	338.5	330.0	313.1	279.2
75°	8419.1	7699.9	6371.4	4179.9	1413.1	778.4	406.1	296.1	296.1	287.7	253.8
77.5°	5804.5	5432.2	4442.2	3088.4	1032.3	600.8	330.0	262.3	262.3	270.8	236.9
80°	4103.8	3756.9	3164.6	2216.9	651.5	406.1	253.8	220.0	245.4	262.3	220.0
82.5°	3139.2	2885.3	2352.3	1616.1	380.8	279.2	194.6	177.7	211.5	228.5	186.2
85°	2183.0	1878.4	1193.1	1083.1	220.0	169.2	143.8	143.8	186.2	228.5	169.2
87.5°	617.7	262.3	76.2	321.5	93.1	67.7	50.8	33.8	50.8	50.8	33.8
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°	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4
2.5°	5246.1	5195.3	5195.3	5178.4	5186.8	5195.3	5186.8	5246.1	5271.5	5305.3	5373.0
5°	4027.6	4095.3	4044.6	4095.3	4163.0	4264.6	4289.9	4366.1	4374.5	4433.8	4399.9
7.5°	2986.9	2978.4	2936.1	2995.3	3181.5	3325.3	3393.0	3435.3	3443.8	3443.8	3401.5
10°	2530.0	2453.8	2377.7	2335.3	2352.3	2504.6	2555.3	2580.7	2563.8	2589.2	2555.3
12.5°	2166.1	2098.4	1988.4	1912.3	1861.5	1903.8	1954.6	1980.0	1996.9	2039.2	2073.0
15°	1760.0	1692.3	1624.6	1582.3	1540.0	1506.1	1548.4	1573.8	1616.1	1650.0	1666.9
17.5°	1336.9	1303.1	1269.2	1294.6	1294.6	1277.7	1294.6	1303.1	1320.0	1345.4	1336.9
20°	1083.1	1074.6	1066.1	1108.4	1142.3	1142.3	1159.2	1133.8	1125.4	1100.0	1091.5
22.5°	964.6	964.6	973.1	1006.9	1040.8	1057.7	1057.7	1015.4	973.1	956.1	964.6
25°	896.9	896.9	922.3	930.8	947.7	947.7	956.1	913.8	888.4	863.1	871.5
27.5°	846.1	846.1	854.6	854.6	863.1	863.1	871.5	854.6	820.8	812.3	812.3
30°	812.3	812.3	803.8	803.8	803.8	803.8	812.3	786.9	770.0	761.5	761.5
32.5°	778.4	770.0	761.5	761.5	753.1	753.1	761.5	736.1	727.7	727.7	727.7
35°	676.9	668.5	676.9	693.8	693.8	702.3	702.3	693.8	676.9	660.0	651.5
37.5°	634.6	626.1	626.1	626.1	643.1	651.5	660.0	643.1	617.7	592.3	592.3
40°	600.8	600.8	592.3	592.3	592.3	609.2	626.1	600.8	566.9	558.5	558.5
42.5°	575.4	566.9	558.5	550.0	541.5	566.9	583.8	550.0	533.1	533.1	533.1
45°	550.0	541.5	533.1	524.6	516.1	524.6	541.5	507.7	499.2	499.2	499.2
47.5°	524.6	516.1	499.2	490.8	482.3	482.3	499.2	473.8	465.4	473.8	473.8
50°	507.7	490.8	473.8	465.4	456.9	456.9	456.9	448.5	448.5	448.5	456.9
52.5°	490.8	473.8	448.5	440.0	431.5	431.5	431.5	431.5	423.1	431.5	440.0
55°	465.4	448.5	431.5	423.1	414.6	406.1	414.6	406.1	406.1	414.6	414.6
57.5°	431.5	414.6	397.7	397.7	389.2	389.2	397.7	389.2	389.2	397.7	397.7
60°	406.1	389.2	372.3	372.3	363.8	372.3	380.8	372.3	372.3	372.3	380.8
62.5°	372.3	363.8	346.9	346.9	346.9	346.9	355.4	346.9	355.4	355.4	355.4
65°	346.9	330.0	321.5	321.5	321.5	321.5	338.5	321.5	330.0	330.0	330.0
67.5°	321.5	304.6	296.1	296.1	296.1	296.1	313.1	296.1	304.6	313.1	304.6
70°	296.1	279.2	270.8	270.8	270.8	270.8	279.2	270.8	270.8	279.2	279.2
72.5°	262.3	253.8	245.4	245.4	236.9	245.4	253.8	245.4	245.4	245.4	245.4
75°	236.9	228.5	228.5	220.0	220.0	220.0	228.5	211.5	211.5	211.5	211.5
77.5°	220.0	203.1	203.1	203.1	194.6	203.1	194.6	177.7	177.7	177.7	177.7
80°	186.2	169.2	177.7	177.7	169.2	169.2	160.8	143.8	143.8	143.8	143.8
82.5°	152.3	135.4	143.8	143.8	143.8	143.8	126.9	118.5	110.0	101.5	101.5
85°	135.4	110.0	126.9	126.9	118.5	118.5	84.6	84.6	67.7	67.7	59.2
87.5°	25.4	16.9	33.8	42.3	42.3	50.8	33.8	42.3	25.4	16.9	16.9
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°	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4
2.5°	5364.5	5457.6	5584.5	5677.6	5821.4	5931.4	6100.7	6244.5	6379.9	6439.1	6498.4
5°	4501.5	4560.7	4755.3	4907.6	5136.1	5381.5	5686.1	6016.1	6354.5	6506.8	6684.5
7.5°	3367.6	3477.6	3587.6	3807.6	4086.9	4484.5	4873.8	5364.5	5838.4	6066.8	6371.4
10°	2614.6	2699.2	2826.1	3054.6	3316.9	3646.9	4112.2	4696.1	5263.0	5559.1	5872.2
12.5°	2098.4	2216.9	2386.1	2623.0	2927.6	3266.1	3604.6	4146.1	4806.1	5144.5	5499.9
15°	1700.7	1793.8	1980.0	2276.1	2631.5	2978.4	3333.8	3782.2	4501.5	4890.7	5313.8
17.5°	1353.8	1421.5	1590.7	1886.9	2242.3	2631.5	3037.6	3604.6	4399.9	4873.8	5373.0
20°	1100.0	1150.8	1260.7	1480.7	1819.2	2242.3	2750.0	3435.3	4459.2	5068.4	5677.6
22.5°	964.6	981.5	1032.3	1150.8	1430.0	1878.4	2487.7	3291.5	4569.2	5356.1	6176.8
25°	871.5	888.4	905.4	981.5	1142.3	1565.4	2259.2	3206.9	4806.1	5779.1	6752.2
27.5°	812.3	829.2	837.7	871.5	981.5	1336.9	2064.6	3156.1	5127.6	6396.8	7463.0
30°	761.5	761.5	786.9	837.7	913.8	1176.1	1895.4	3037.6	5466.1	6913.0	8021.4
32.5°	719.2	727.7	761.5	786.9	837.7	1040.8	1726.1	2885.3	5770.7	7336.0	8571.4
35°	643.1	643.1	651.5	693.8	761.5	930.8	1573.8	2733.0	5939.9	7750.7	9062.2
37.5°	592.3	600.8	617.7	651.5	710.8	854.6	1446.9	2563.8	6117.6	8139.9	9637.5
40°	558.5	566.9	583.8	617.7	676.9	786.9	1336.9	2428.4	6303.7	8562.9	10255.2
42.5°	533.1	541.5	558.5	592.3	643.1	770.0	1218.4	2318.4	6413.7	8952.2	10839.1
45°	507.7	516.1	541.5	575.4	617.7	753.1	1150.8	2242.3	6456.1	9214.5	11304.4
47.5°	482.3	490.8	516.1	566.9	617.7	727.7	1125.4	2200.0	6489.9	9510.6	11676.7
50°	456.9	473.8	507.7	558.5	626.1	693.8	1108.4	2191.5	6684.5	9891.4	12032.1
52.5°	440.0	465.4	499.2	558.5	617.7	643.1	1100.0	2216.9	7073.7	10458.3	12539.8
55°	423.1	448.5	482.3	558.5	592.3	600.8	1057.7	2259.2	7666.0	11245.2	13259.0
57.5°	406.1	423.1	465.4	541.5	558.5	566.9	973.1	2318.4	8258.3	12015.2	13995.2
60°	380.8	397.7	440.0	541.5	507.7	533.1	863.1	2335.3	8681.4	12260.6	14062.9
62.5°	355.4	372.3	414.6	558.5	465.4	499.2	770.0	2276.1	8766.0	11905.2	13682.1
65°	330.0	346.9	380.8	465.4	431.5	465.4	710.8	2115.4	8486.8	11092.9	12988.3
67.5°	304.6	321.5	346.9	380.8	389.2	423.1	685.4	1861.5	7784.5	10086.0	12040.6
70°	270.8	287.7	313.1	338.5	346.9	397.7	643.1	1616.1	6650.7	8740.6	10881.4
72.5°	245.4	253.8	279.2	296.1	313.1	363.8	617.7	1413.1	5085.3	7073.7	8876.0
75°	211.5	211.5	236.9	253.8	270.8	321.5	566.9	1176.1	3587.6	5398.4	6523.7
77.5°	177.7	177.7	194.6	211.5	228.5	279.2	482.3	956.1	2487.7	4281.5	4729.9
80°	135.4	135.4	152.3	169.2	186.2	236.9	389.2	702.3	1540.0	3130.7	3443.8
82.5°	93.1	93.1	118.5	126.9	135.4	186.2	296.1	482.3	905.4	2259.2	2462.3
85°	50.8	50.8	67.7	76.2	93.1	135.4	220.0	338.5	541.5	1633.1	1641.5
87.5°	8.5	8.5	25.4	25.4	42.3	67.7	126.9	186.2	304.6	905.4	575.4
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: P598633
 CATALOG NUMBER: IFLD-M-SA4C-727-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4
2.5°	6608.4	6701.4	6709.9	6709.9	6667.6	6676.1	6557.6	6430.7	6388.4	6379.9
5°	6955.3	7200.7	7268.4	7302.2	7192.2	7023.0	6718.4	6388.4	6219.1	6193.8
7.5°	6887.6	7378.3	7640.7	7674.5	7454.5	7056.8	6523.7	6016.1	5821.4	5770.7
10°	6489.9	7149.9	7623.7	7742.2	7505.3	6997.6	6303.7	5711.5	5474.5	5432.2
12.5°	6210.7	6845.3	7310.7	7471.4	7361.4	6921.4	6193.8	5516.8	5279.9	5220.7
15°	6058.4	6642.2	6946.8	6997.6	6989.1	6803.0	6193.8	5559.1	5296.8	5229.2
17.5°	6185.3	6583.0	6625.3	6506.8	6574.5	6667.6	6329.1	5787.6	5533.8	5474.5
20°	6439.1	6557.6	6354.5	6176.8	6210.7	6506.8	6540.7	6219.1	6016.1	5914.5
22.5°	6972.2	6650.7	6185.3	5939.9	5965.3	6379.9	6819.9	6803.0	6625.3	6574.5
25°	7513.7	6913.0	6134.5	5846.8	5880.7	6354.5	7149.9	7454.5	7361.4	7336.0
27.5°	8114.5	7353.0	6168.4	5804.5	5846.8	6388.4	7378.3	8004.5	8021.4	7996.0
30°	8520.6	7564.5	6269.9	5855.3	5914.5	6473.0	7429.1	8334.5	8486.8	8495.3
32.5°	8859.1	7776.0	6481.4	5939.9	6041.4	6625.3	7564.5	8647.6	8986.0	8994.5
35°	9129.9	8013.0	6743.7	6092.2	6244.5	6879.1	7742.2	8943.7	9451.4	9510.6
37.5°	9476.8	8275.3	7048.4	6422.2	6591.4	7243.0	8055.3	9290.6	10001.4	10162.2
40°	9849.1	8537.6	7488.3	6955.3	7200.7	7784.5	8410.6	9679.9	10466.8	10686.8
42.5°	10263.7	8816.8	7987.6	7674.5	8046.8	8469.9	8816.8	10035.2	10822.1	11076.0
45°	10669.8	9155.2	8715.3	8656.0	9070.6	9282.2	9214.5	10289.1	11160.6	11414.4
47.5°	10957.5	9646.0	9595.2	9950.6	10339.8	10229.8	9679.9	10475.2	11439.8	11719.1
50°	11219.8	10255.2	10703.7	11397.5	11634.4	11262.1	10179.1	10729.1	11736.0	12049.0
52.5°	11609.1	10906.8	11846.0	12709.0	12937.5	12345.2	10720.6	11143.7	12192.9	12472.1
55°	12404.4	11642.9	13039.0	14029.0	14071.3	13335.2	11448.3	11846.0	12836.0	13157.5
57.5°	13292.9	12548.3	13986.7	15120.5	15103.6	14325.2	12269.0	12793.7	13707.5	13927.5
60°	14096.7	13462.1	15019.0	15899.0	15856.7	15044.4	13225.2	13868.2	14705.9	14875.2
62.5°	14570.5	14291.3	15475.9	16144.4	15983.6	15281.3	14037.5	14824.4	15416.7	15475.9
65°	14494.4	14765.2	14942.8	15357.5	15129.0	14621.3	14435.2	15433.6	15492.8	15433.6
67.5°	13919.0	14494.4	13479.0	13521.3	13402.9	12971.3	13817.5	15272.8	14866.7	14722.9
70°	13047.5	13089.8	11270.6	10737.5	10923.7	10331.4	11854.4	14020.6	13394.4	13216.7
72.5°	11600.6	11076.0	8520.6	7979.1	8258.3	7835.3	9510.6	12218.3	11609.1	11033.7
75°	9730.6	8774.5	6489.9	5719.9	5863.8	5846.8	7369.9	10094.5	8994.5	8419.1
77.5°	7539.1	6836.8	4789.2	4493.0	4340.7	4374.5	5144.5	7505.3	6523.7	5804.5
80°	5508.4	4780.7	3706.1	3875.3	3790.7	3587.6	3604.6	5026.1	4535.3	4103.8
82.5°	3807.6	3401.5	3003.8	3393.0	3190.0	2876.9	2809.2	3621.5	3401.5	3139.2
85°	2555.3	2800.7	2386.1	2597.7	2250.7	2073.0	2640.0	3029.2	2445.3	2183.0
87.5°	1666.9	2563.8	1717.7	1303.1	744.6	998.4	1616.1	1988.4	1142.3	617.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)