

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: P599076

Luminaire Tested: **IFLD-L-SA8A-827-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599076
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8A-827-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (128) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

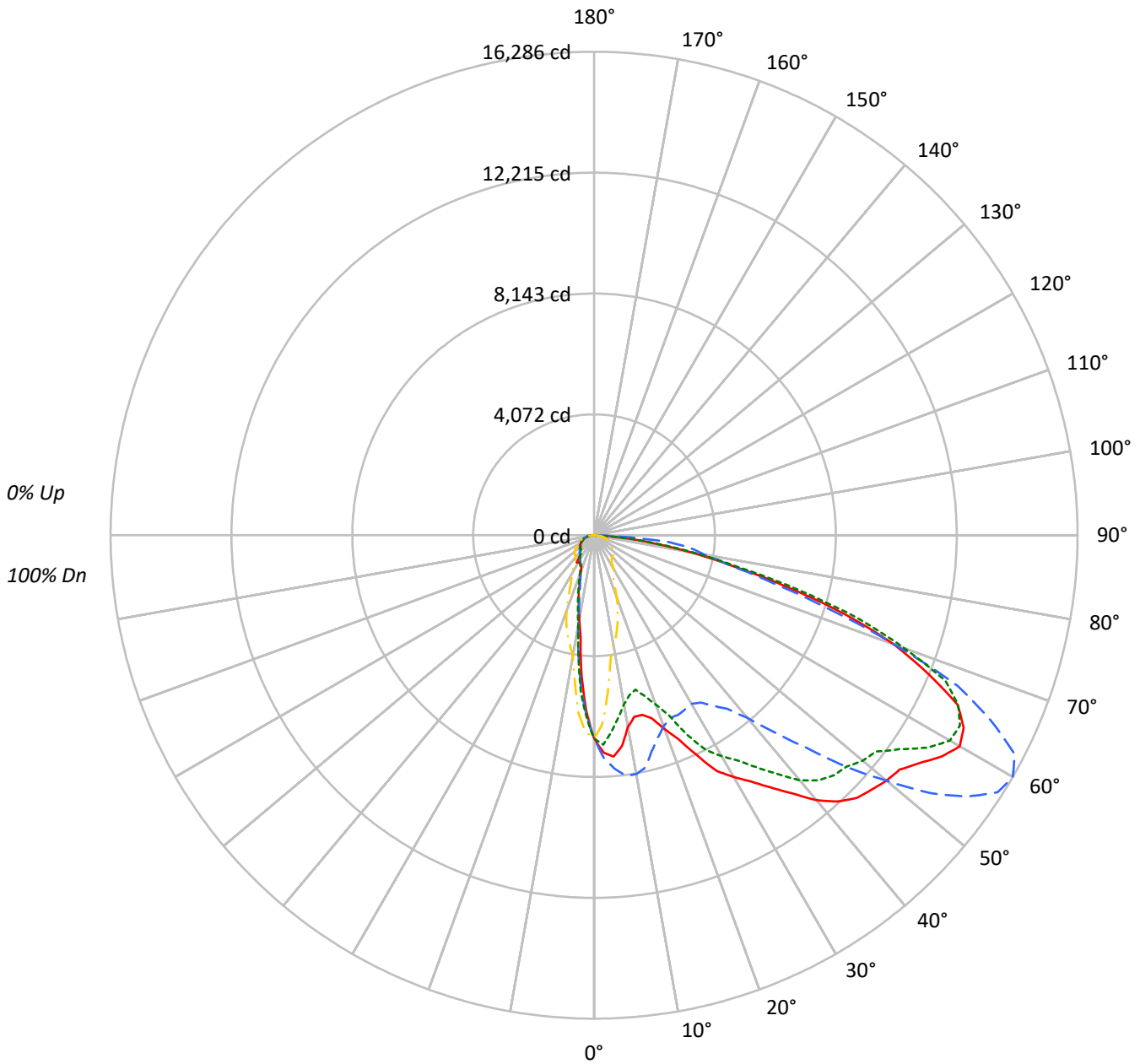
Lumens per Lamp: N/A
 Luminaire Lumens: 21419.7 lumens
 Efficiency: N/A
 Efficacy: 86.4 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 247.8
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	36820	36820	36820	36820
5°	40451	35934	25769	28131
10°	35830	31624	15630	16773
15°	34889	30018	11065	11489
20°	39782	34720	7238	8000
25°	48469	44011	6320	6545
30°	58400	53381	6554	6082
35°	68110	62679	5432	5119
40°	81844	75702	5073	4806
45°	95246	87002	5135	4773
50°	107641	98890	5251	4932
55°	125533	117866	5438	5171
60°	153109	148916	5421	5421
65°	172067	172309	5566	5808
70°	169106	175087	5832	5981
75°	139494	148781	6126	6521
80°	100716	105725	6772	7067
85°	55743	59849	7626	9386

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.5	2.5
10°-20°	1122.1	5.2
20°-30°	1641.8	7.7
30°-40°	2313.2	10.8
40°-50°	3179.0	14.8
50°-60°	4332.7	20.2
60°-70°	4741.9	22.1
70°-80°	2737.7	12.8
80°-90°	819.8	3.8
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°	3295.4	15.4
0°-40°	5608.6	26.2
0°-60°	13120.3	61.3
0°-90°	21419.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21419.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6841	6841	6841	6841	6841	
5°	7488	6651	4770	5207	7488	680
15°	6262	5388	1986	2062	6262	1829
25°	8162	7411	1064	1102	8162	3822
35°	10366	9540	827	779	10366	6573
45°	12514	11431	675	627	12514	9618
55°	13379	12561	580	551	13379	12071
65°	13512	13531	437	456	13512	12932
75°	6708	7155	295	314	6708	7206
85°	903	969	124	152	903	1252
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°	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3
2.5°	7325.9	7297.4	7325.9	7430.4	7459.0	7506.5	7506.5	7439.9	7316.4	7259.4	7164.4
5°	7487.5	7439.9	7677.5	7896.0	8067.1	8048.1	7886.5	7753.5	7506.5	7135.9	6784.3
7.5°	7164.4	7211.9	7382.9	7953.0	8352.1	8428.1	8171.6	7905.5	7373.4	6860.3	6385.2
10°	6556.3	6622.8	6993.4	7582.5	8209.6	8333.1	8171.6	7848.5	7211.9	6575.3	6024.2
12.5°	6261.7	6413.7	6632.3	7344.9	7791.5	8086.1	8010.1	7801.0	7088.4	6337.7	5805.6
15°	6261.7	6299.7	6622.8	7221.4	7478.0	7487.5	7516.0	7554.0	7126.4	6442.3	5729.6
17.5°	6461.3	6565.8	6841.3	7211.9	7259.4	7145.4	7145.4	7306.9	7202.4	6736.8	6005.2
20°	6945.9	6907.8	7268.9	7420.9	7164.4	6879.3	6850.8	7126.4	7287.9	7050.4	6508.8
22.5°	7430.4	7601.5	7896.0	7554.0	7078.9	6698.8	6660.8	7002.9	7544.5	7592.0	7088.4
25°	8162.1	8333.1	8485.2	8067.1	7069.4	6651.3	6679.8	6945.9	7858.0	8361.6	8057.6
27.5°	8950.7	9055.3	9273.8	8627.7	7297.4	6594.3	6622.8	7021.9	8152.6	8865.2	8817.7
30°	9397.3	9511.4	9463.8	8732.2	7449.4	6632.3	6556.3	7126.4	7991.1	8865.2	9311.8
32.5°	9834.4	9767.9	9739.4	8903.2	7639.5	6869.8	6679.8	7344.9	8086.1	9007.8	9948.4
35°	10366.5	10271.5	10195.5	9235.8	7953.0	7097.9	7012.4	7630.0	8295.1	9302.3	10461.5
37.5°	10955.6	10955.6	10585.1	9482.8	8323.6	7468.5	7373.4	8038.6	8627.7	9482.8	11164.7
40°	11649.3	11677.8	11022.1	9815.4	8741.7	8057.6	8029.1	8570.7	8950.7	9748.9	11839.3
42.5°	12162.4	12181.4	11402.2	9938.9	9226.3	8874.7	8998.3	9425.8	9321.3	9986.4	11886.8
45°	12513.9	12418.9	11668.3	10290.5	9758.4	10100.5	10138.5	10262.0	9805.9	10129.0	12076.8
47.5°	12685.0	12666.0	11782.3	10699.1	10879.6	11345.2	11563.7	11392.7	10252.5	9976.9	12076.8
50°	12856.0	12694.5	11886.8	11259.7	11972.3	12913.0	12865.5	12551.9	10870.1	10167.0	11896.3
52.5°	12970.0	12827.5	12095.9	11763.3	13017.5	14081.7	14271.8	13692.2	11592.3	10518.5	11981.8
55°	13378.6	13264.6	12723.0	12447.4	14224.3	15317.0	15345.5	14537.8	12352.4	11098.2	12542.4
57.5°	13872.7	13939.2	13587.6	13416.6	15145.9	16219.7	16115.1	15165.0	12998.5	11801.3	13188.6
60°	14224.3	14328.8	14243.3	14262.3	15602.0	16523.7	16286.2	15554.5	13473.6	12333.4	13977.2
62.5°	14034.2	14243.3	14594.8	14518.8	15621.0	16305.2	15972.6	15041.4	13530.6	13027.0	14575.8
65°	13511.6	13530.6	14214.8	14632.8	14765.9	15174.5	14737.4	13967.7	12941.5	13454.6	14490.3
67.5°	12171.9	12323.9	12941.5	13758.7	13198.1	13293.1	13255.1	12143.4	12048.3	13160.1	13834.7
70°	10746.6	10851.1	11525.7	12485.4	11145.7	10699.1	10784.6	9957.9	10347.5	12247.9	12513.9
72.5°	8884.2	8950.7	9720.4	10566.1	8941.2	8143.1	8342.6	7668.0	8219.1	10718.1	10556.6
75°	6708.3	6831.8	7430.4	8428.1	6584.8	6071.7	6271.2	5995.7	6508.8	8827.2	8190.6
77.5°	4769.9	4674.9	5416.1	6594.3	4950.5	4646.4	4665.4	4712.9	5264.0	7439.9	5881.6
80°	3249.6	3278.1	3943.3	4836.4	3886.3	3838.7	3791.2	4171.3	4418.4	5891.1	4275.8
82.5°	1928.9	1928.9	2660.5	3439.7	3069.1	3458.7	3240.1	3582.2	3458.7	4332.8	2803.0
85°	902.7	902.7	1368.3	2480.0	2375.5	2850.6	2423.0	2708.0	2556.0	3021.6	1263.7
87.5°	152.0	133.0	275.6	1216.2	978.7	1111.7	437.1	1444.3	1605.8	2109.4	313.6
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°	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3
2.5°	7059.9	6993.4	6860.3	6689.3	6546.8	6366.2	6309.2	6185.7	6014.7	5995.7	5919.7
5°	6651.3	6423.2	6138.2	5786.6	5549.1	5302.0	5093.0	4969.5	4826.9	4807.9	4769.9
7.5°	6204.7	5919.7	5444.6	5026.5	4617.9	4228.3	4038.3	3800.7	3639.2	3515.7	3458.7
10°	5786.6	5520.6	4931.5	4361.3	4000.3	3743.7	3515.7	3268.6	3069.1	2917.1	2860.1
12.5°	5511.1	5197.5	4560.9	4019.3	3753.2	3458.7	3202.1	2936.1	2679.5	2480.0	2375.5
15°	5387.5	5093.0	4446.9	3848.2	3458.7	3050.1	2755.5	2489.5	2175.9	2033.4	1985.9
17.5°	5682.1	5245.0	4408.9	3648.7	3097.6	2632.0	2270.9	1985.9	1757.8	1615.3	1558.3
20°	6062.2	5520.6	4475.4	3411.2	2755.5	2232.9	1833.9	1529.8	1377.8	1273.2	1263.7
22.5°	6546.8	5929.2	4579.9	3240.1	2375.5	1795.8	1434.8	1254.2	1149.7	1140.2	1121.2
25°	7411.4	6670.3	4750.9	3012.1	2071.4	1482.3	1225.7	1121.2	1073.7	1045.2	1064.2
27.5°	8152.6	7154.9	4874.4	2869.6	1947.9	1396.8	1187.7	1073.7	1026.2	1016.7	1026.2
30°	8589.7	7601.5	4836.4	2603.5	1700.8	1330.3	1263.7	1225.7	1130.7	1054.7	1054.7
32.5°	8988.7	7886.5	4826.9	2366.0	1453.8	1111.7	1054.7	1026.2	1083.2	1121.2	1092.7
35°	9539.9	8333.1	4798.4	2232.9	1349.3	1026.2	931.2	855.2	817.2	798.2	826.7
37.5°	10129.0	8637.2	4722.4	2213.9	1292.3	978.7	902.7	826.7	788.7	769.6	760.1
40°	10775.1	8960.2	4636.9	2118.9	1263.7	950.2	874.2	807.7	760.1	731.6	722.1
42.5°	11193.2	9216.8	4551.4	2071.4	1206.7	931.2	845.7	788.7	741.1	703.1	703.1
45°	11430.7	9520.9	4465.9	2023.9	1140.2	940.7	845.7	769.6	712.6	693.6	674.6
47.5°	11535.2	9748.9	4437.4	1947.9	1083.2	902.7	826.7	750.6	693.6	655.6	646.1
50°	11810.8	10233.5	4541.9	1890.9	1016.7	864.7	874.2	741.1	684.1	636.6	627.1
52.5°	11972.3	10623.1	4769.9	1805.4	969.2	817.2	855.2	722.1	655.6	608.1	608.1
55°	12561.4	11269.2	5017.0	1738.8	912.2	750.6	788.7	684.1	608.1	579.6	579.6
57.5°	13312.1	11953.3	5226.0	1710.3	874.2	703.1	703.1	665.1	579.6	541.6	532.1
60°	13834.7	12513.9	5349.5	1691.3	836.2	655.6	627.1	665.1	551.1	513.1	503.6
62.5°	13891.7	12190.9	5226.0	1681.8	826.7	608.1	570.1	636.6	522.6	484.6	465.6
65°	13530.6	11535.2	4884.0	1643.8	817.2	560.6	532.1	551.1	484.6	456.1	437.1
67.5°	12808.5	10471.0	4389.9	1624.8	807.7	522.6	484.6	475.1	446.6	418.1	399.1
70°	11126.7	9083.8	3810.2	1539.3	788.7	494.1	437.1	427.6	399.1	380.1	370.6
72.5°	9340.3	7430.4	3145.1	1425.3	750.6	446.6	399.1	380.1	370.6	342.1	332.6
75°	7154.9	5720.1	2518.0	1263.7	655.6	399.1	351.6	332.6	323.1	304.1	294.6
77.5°	5026.5	4256.8	1862.4	1026.2	551.1	361.1	313.6	294.6	285.1	256.5	256.5
80°	3411.2	2983.6	1263.7	712.6	427.6	294.6	275.6	256.5	237.5	218.5	218.5
82.5°	2118.9	2090.4	912.2	465.6	313.6	237.5	218.5	218.5	190.0	171.0	171.0
85°	969.2	1282.7	636.6	323.1	237.5	180.5	180.5	171.0	152.0	123.5	123.5
87.5°	304.1	427.6	332.6	142.5	133.0	104.5	104.5	95.0	95.0	76.0	76.0
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°	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3
2.5°	5995.7	5986.2	5986.2	5948.2	6043.2	6043.2	6100.2	6052.7	6081.2	6090.7	6166.7
5°	4760.4	4836.4	4893.5	5007.5	5074.0	5102.5	5102.5	5178.5	5150.0	5207.0	5321.0
7.5°	3487.2	3582.2	3753.2	3895.8	4009.8	4047.8	4038.3	4057.3	4085.8	4019.3	4038.3
10°	2822.0	2755.5	2812.5	2945.6	3050.1	3173.6	3078.6	3069.1	3097.6	3069.1	3126.1
12.5°	2356.5	2280.4	2232.9	2232.9	2308.9	2366.0	2337.5	2385.0	2489.5	2518.0	2584.5
15°	1909.9	1843.4	1805.4	1757.8	1833.9	1852.9	1881.4	1947.9	2023.9	2061.9	2137.9
17.5°	1529.8	1529.8	1529.8	1491.8	1520.3	1548.8	1558.3	1643.8	1653.3	1691.3	1719.8
20°	1254.2	1282.7	1330.3	1349.3	1377.8	1377.8	1358.8	1406.3	1368.3	1396.8	1415.8
22.5°	1130.7	1168.7	1187.7	1197.2	1235.2	1244.7	1197.2	1206.7	1216.2	1187.7	1197.2
25°	1064.2	1083.2	1064.2	1073.7	1083.2	1064.2	1073.7	1092.7	1083.2	1102.2	1092.7
27.5°	1035.7	1016.7	1007.2	997.7	997.7	978.7	988.2	988.2	1007.2	1016.7	1016.7
30°	1035.7	1007.2	969.2	940.7	940.7	912.2	931.2	950.2	959.7	978.7	978.7
32.5°	1064.2	1007.2	940.7	912.2	883.7	864.7	883.7	912.2	950.2	959.7	969.2
35°	845.7	874.2	864.7	826.7	817.2	817.2	807.7	807.7	779.2	779.2	769.6
37.5°	760.1	750.6	769.6	779.2	788.7	760.1	760.1	722.1	712.6	722.1	722.1
40°	712.6	712.6	712.6	741.1	750.6	731.6	703.1	684.1	684.1	684.1	693.6
42.5°	693.6	674.6	665.1	684.1	712.6	693.6	665.1	655.6	655.6	665.1	665.1
45°	665.1	655.6	646.1	636.6	674.6	646.1	636.6	627.1	627.1	627.1	636.6
47.5°	636.6	627.1	608.1	608.1	617.6	608.1	598.6	598.6	598.6	617.6	617.6
50°	617.6	608.1	589.1	589.1	589.1	589.1	579.6	579.6	579.6	589.1	598.6
52.5°	589.1	579.6	570.1	560.6	560.6	560.6	560.6	560.6	560.6	570.1	579.6
55°	560.6	551.1	541.6	541.6	551.1	551.1	541.6	551.1	541.6	551.1	560.6
57.5°	532.1	522.6	513.1	522.6	532.1	522.6	522.6	522.6	522.6	522.6	532.1
60°	494.1	494.1	494.1	494.1	513.1	513.1	513.1	513.1	494.1	503.6	513.1
62.5°	475.1	465.6	465.6	475.1	484.6	484.6	494.1	484.6	475.1	484.6	484.6
65°	437.1	437.1	437.1	446.6	446.6	456.1	456.1	456.1	446.6	456.1	456.1
67.5°	408.6	408.6	408.6	408.6	427.6	427.6	427.6	427.6	418.1	418.1	427.6
70°	361.1	370.6	361.1	380.1	399.1	389.6	399.1	399.1	389.6	380.1	399.1
72.5°	332.6	332.6	332.6	332.6	361.1	361.1	361.1	370.6	361.1	351.6	361.1
75°	294.6	294.6	294.6	304.1	323.1	323.1	323.1	323.1	323.1	313.6	313.6
77.5°	256.5	266.1	256.5	266.1	285.1	275.6	285.1	294.6	285.1	275.6	275.6
80°	218.5	218.5	218.5	228.0	237.5	237.5	237.5	247.0	237.5	228.0	228.0
82.5°	171.0	171.0	180.5	180.5	190.0	190.0	190.0	199.5	190.0	180.5	180.5
85°	133.0	133.0	133.0	142.5	142.5	152.0	152.0	161.5	161.5	152.0	152.0
87.5°	85.5	76.0	85.5	85.5	95.0	95.0	85.5	76.0	85.5	76.0	66.5
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: P599076
 CATALOG NUMBER: IFLD-L-SA8A-827-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3	6841.3
2.5°	6242.7	6413.7	6537.3	6622.8	6746.3	6983.9	7078.9	7249.9	7297.4	7325.9
5°	5368.5	5549.1	5815.1	6005.2	6223.7	6670.3	7012.4	7268.9	7382.9	7487.5
7.5°	4209.3	4446.9	4722.4	4969.5	5330.5	5881.6	6328.2	6860.3	7059.9	7164.4
10°	3287.6	3506.2	3810.2	4114.3	4617.9	5083.5	5720.1	6204.7	6480.3	6556.3
12.5°	2774.5	3031.1	3392.2	3762.7	4076.3	4608.4	5254.5	5957.7	6214.2	6261.7
15°	2356.5	2708.0	3078.6	3458.7	3819.7	4285.3	4979.0	5834.1	6214.2	6261.7
17.5°	1947.9	2261.4	2698.5	3107.1	3525.2	4161.8	5026.5	5938.7	6318.7	6461.3
20°	1548.8	1852.9	2194.9	2708.0	3278.1	3952.8	5131.0	6290.2	6793.8	6945.9
22.5°	1282.7	1415.8	1748.3	2242.4	2917.1	3810.2	5235.5	6841.3	7373.4	7430.4
25°	1121.2	1216.2	1425.3	1890.9	2632.0	3715.2	5482.6	7478.0	8162.1	8162.1
27.5°	1045.2	1083.2	1225.7	1643.8	2432.5	3629.7	5729.6	8181.1	8817.7	8950.7
30°	1026.2	1121.2	1197.2	1463.3	2213.9	3392.2	5957.7	8732.2	9387.8	9397.3
32.5°	1007.2	988.2	1045.2	1273.2	1947.9	3145.1	6147.7	9292.8	9805.9	9834.4
35°	788.7	826.7	921.7	1121.2	1748.3	2964.6	6242.7	9596.9	10338.0	10366.5
37.5°	741.1	788.7	864.7	1035.7	1615.3	2812.5	6271.2	10186.0	10898.6	10955.6
40°	722.1	760.1	817.2	959.7	1510.8	2622.5	6328.2	10794.1	11725.3	11649.3
42.5°	684.1	731.6	788.7	921.7	1425.3	2480.0	6337.7	11126.7	12162.4	12162.4
45°	674.6	703.1	769.6	921.7	1330.3	2356.5	6185.7	11459.2	12666.0	12513.9
47.5°	636.6	693.6	750.6	893.2	1216.2	2232.9	6005.2	11630.3	12732.5	12685.0
50°	627.1	684.1	779.2	845.7	1149.7	2175.9	5967.2	12057.8	12865.5	12856.0
52.5°	608.1	665.1	807.7	807.7	1064.2	2099.9	6147.7	12247.9	12894.0	12970.0
55°	579.6	665.1	750.6	741.1	988.2	2004.9	6347.2	12742.0	13397.6	13378.6
57.5°	560.6	646.1	712.6	674.6	902.7	1938.4	6641.8	13217.1	14005.7	13872.7
60°	532.1	646.1	636.6	627.1	836.2	1881.4	6888.8	13312.1	14138.8	14224.3
62.5°	513.1	674.6	560.6	579.6	779.2	1852.9	6784.3	12599.5	13958.2	14034.2
65°	494.1	579.6	513.1	532.1	760.1	1795.8	6375.7	11744.3	13179.1	13511.6
67.5°	456.1	475.1	475.1	494.1	741.1	1662.8	5539.6	10205.0	11991.3	12171.9
70°	418.1	427.6	427.6	456.1	722.1	1510.8	4570.4	8827.2	10404.5	10746.6
72.5°	380.1	380.1	380.1	418.1	665.1	1387.3	3762.7	6784.3	8646.7	8884.2
75°	332.6	332.6	332.6	370.6	598.6	1263.7	2964.6	5045.5	6366.2	6708.3
77.5°	294.6	294.6	285.1	332.6	522.6	1026.2	2137.9	3563.2	4484.9	4769.9
80°	247.0	237.5	237.5	266.1	408.6	741.1	1377.8	2518.0	3126.1	3249.6
82.5°	199.5	190.0	180.5	199.5	294.6	465.6	855.2	1757.8	2004.9	1928.9
85°	190.0	199.5	161.5	152.0	209.0	304.1	541.6	1083.2	902.7	902.7
87.5°	76.0	66.5	66.5	57.0	104.5	114.0	237.5	199.5	152.0	152.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)