

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: P598605

Luminaire Tested: **IFLD-M-SA4D-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: P598605  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4D-722-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (64) 2200K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

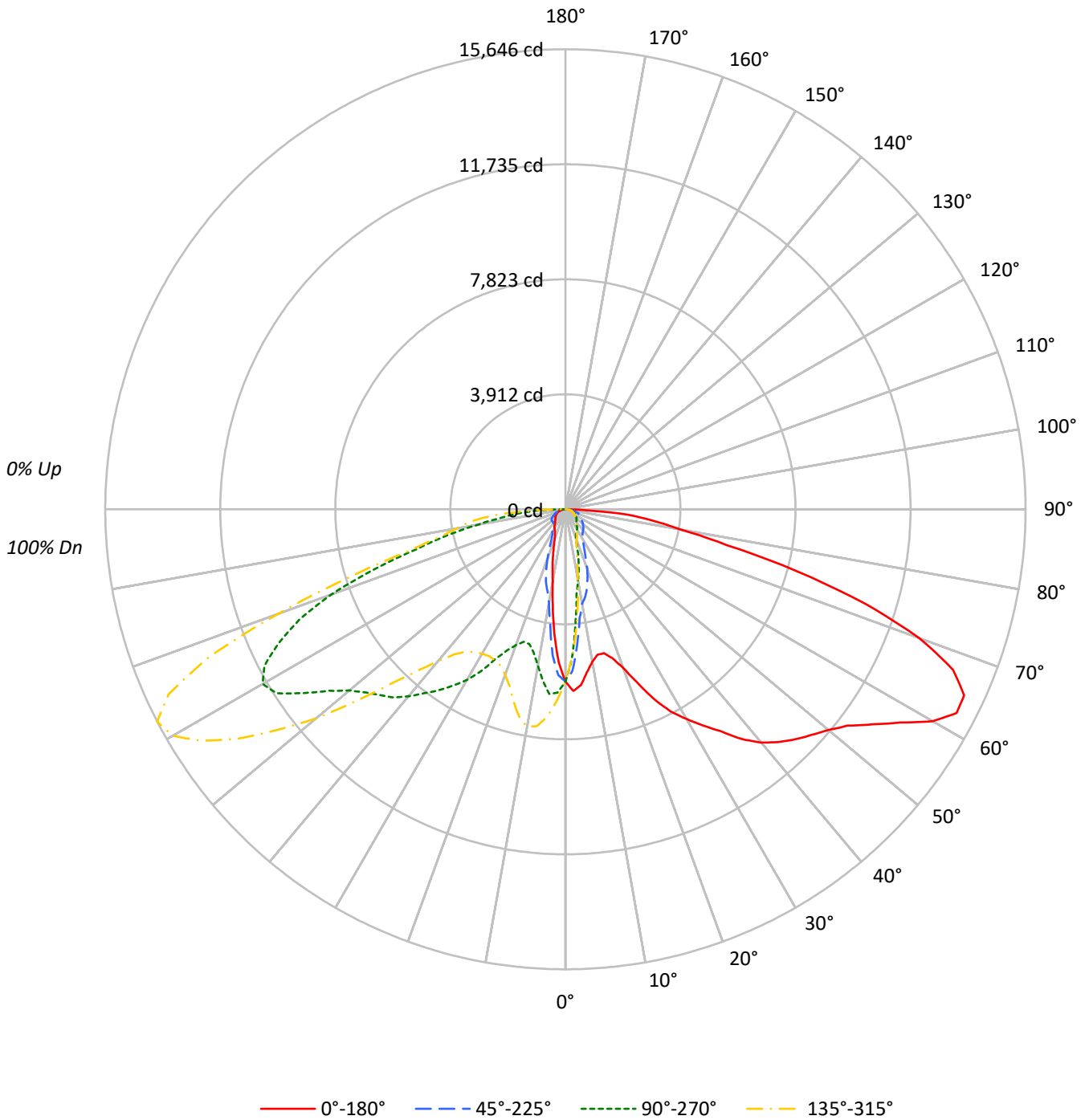
Lumens per Lamp: N/A  
 Luminaire Lumens: 19600.4 lumens  
 Efficiency: N/A  
 Efficacy: 78.5 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 249.7  
 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



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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°	63023	63023	63023	63023
5°	64858	42176	46075	68137
10°	57542	26799	27068	58886
15°	56474	19008	18003	52819
20°	65658	12023	12117	56266
25°	84440	10323	10031	66519
30°	102330	9784	9173	83271
35°	121117	8620	8297	98703
40°	145529	8181	7605	116607
45°	168394	8114	7365	135940
50°	195544	8239	7415	160527
55°	239299	8464	7540	204519
60°	310350	8473	7944	255800
65°	380959	8563	8145	273813
70°	403116	9032	8516	266593
75°	339334	9549	8526	217583
80°	246534	11182	8641	188075
85°	261293	16203	7089	195467

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	453.1	2.3
10°-20°	948.3	4.8
20°-30°	1366.6	7.0
30°-40°	1967.4	10.0
40°-50°	2794.6	14.3
50°-60°	4017.8	20.5
60°-70°	4641.9	23.7
70°-80°	2628.3	13.4
80°-90°	782.2	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°	2768.1	14.1
0°-40°	4735.5	24.2
0°-60°	11548.0	58.9
0°-90°	19600.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19600.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5855	5855	5855	5855	5855	
5°	6003	3903	4264	6306	6003	545
15°	5068	1706	1616	4740	5068	1490
25°	7110	869	845	5601	7110	3300
35°	9217	656	631	7512	9217	5850
45°	11062	533	484	8930	11062	8566
55°	12752	451	402	10898	12752	11548
65°	14957	336	320	10751	14957	14343
75°	8159	230	205	5232	8159	8657
85°	2116	131	57	1583	2116	2107
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°	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0
2.5°	6183.0	6174.8	6125.6	5969.8	5805.8	5650.0	5502.4	5346.6	5264.6	5166.2	5125.2
5°	6002.6	5986.2	5846.8	5502.4	5199.0	4871.0	4592.2	4370.8	4190.4	4010.0	3944.4
7.5°	5592.6	5568.0	5404.0	4928.4	4485.6	4059.2	3722.9	3435.9	3198.1	3091.5	2968.5
10°	5264.6	5223.6	5010.4	4485.6	3911.6	3485.1	3263.7	3066.9	2861.9	2689.7	2509.3
12.5°	5059.6	5010.4	4789.0	4174.0	3616.3	3296.5	3066.9	2845.5	2591.3	2378.1	2181.3
15°	5067.8	5010.4	4739.8	4092.0	3542.5	3132.5	2812.7	2509.3	2214.1	1976.3	1754.9
17.5°	5305.6	5231.8	4944.8	4206.8	3485.1	2919.3	2492.9	2099.3	1763.1	1508.9	1328.5
20°	5732.0	5682.8	5354.8	4379.0	3427.7	2689.7	2164.9	1689.3	1336.7	1139.8	1066.0
22.5°	6371.7	6314.2	5961.6	4641.4	3411.3	2484.7	1812.3	1328.5	1074.2	992.2	951.2
25°	7109.7	7003.1	6675.1	5084.2	3444.1	2296.1	1525.3	1098.8	959.4	902.0	877.4
27.5°	7749.3	7683.7	7314.7	5502.4	3460.5	2148.5	1328.5	1000.4	893.8	844.6	828.2
30°	8233.1	8208.5	7847.7	5961.6	3419.5	1968.1	1205.4	959.4	893.8	844.6	795.4
32.5°	8716.9	8725.1	8339.7	6314.2	3362.1	1812.3	1090.6	852.8	787.2	754.4	762.6
35°	9217.2	9258.2	8930.2	6658.7	3239.1	1754.9	1008.6	795.4	738.0	688.8	664.2
37.5°	9848.6	9955.2	9635.4	7044.1	3116.1	1705.7	967.6	754.4	697.0	656.0	623.2
40°	10357.0	10553.8	10365.2	7404.9	3034.1	1648.3	934.8	713.4	672.4	623.2	598.6
42.5°	10734.2	10963.8	10898.2	7683.7	3034.1	1590.9	902.0	688.8	656.0	598.6	565.8
45°	11062.2	11300.0	11291.8	7970.7	3099.7	1558.1	861.0	688.8	639.6	582.2	549.4
47.5°	11357.4	11595.3	11677.3	8331.5	3206.3	1541.7	811.8	672.4	639.6	574.0	524.8
50°	11677.3	11939.7	12185.7	8905.6	3337.5	1500.7	779.0	647.8	647.8	565.8	508.4
52.5°	12087.3	12382.5	12833.5	9619.0	3468.7	1426.9	729.8	631.4	647.8	557.6	492.0
55°	12751.5	12997.5	13587.9	10471.8	3632.7	1336.7	688.8	590.4	615.0	533.0	467.4
57.5°	13497.7	13710.9	14203.0	11127.8	3681.9	1221.8	631.4	549.4	590.4	508.4	434.6
60°	14416.2	14522.8	14522.8	11316.4	3517.9	1115.2	590.4	516.6	533.0	483.8	410.0
62.5°	14998.4	14998.4	14522.8	10972.0	3206.3	1025.0	557.6	483.8	467.4	451.0	385.4
65°	14957.4	14891.8	14186.6	9971.6	2845.5	967.6	524.8	442.8	418.2	410.0	360.8
67.5°	14268.6	14153.8	13194.3	8561.1	2468.3	943.0	492.0	401.8	385.4	369.0	328.0
70°	12808.9	12513.7	11332.8	6888.3	2099.3	926.6	483.8	369.0	352.6	336.2	303.4
72.5°	10693.2	10316.0	8848.1	5297.4	1763.1	869.2	459.2	328.0	319.8	303.4	270.6
75°	8159.3	7462.3	6174.8	4051.0	1369.5	754.4	393.6	287.0	287.0	278.8	246.0
77.5°	5625.4	5264.6	4305.2	2993.1	1000.4	582.2	319.8	254.2	254.2	262.4	229.6
80°	3977.2	3640.9	3066.9	2148.5	631.4	393.6	246.0	213.2	237.8	254.2	213.2
82.5°	3042.3	2796.3	2279.7	1566.3	369.0	270.6	188.6	172.2	205.0	221.4	180.4
85°	2115.7	1820.5	1156.2	1049.6	213.2	164.0	139.4	139.4	180.4	221.4	164.0
87.5°	598.6	254.2	73.8	311.6	90.2	65.6	49.2	32.8	49.2	49.2	32.8
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°	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0
2.5°	5084.2	5035.0	5035.0	5018.6	5026.8	5035.0	5026.8	5084.2	5108.8	5141.6	5207.2
5°	3903.4	3969.0	3919.8	3969.0	4034.6	4133.0	4157.6	4231.4	4239.6	4297.0	4264.2
7.5°	2894.7	2886.5	2845.5	2902.9	3083.3	3222.7	3288.3	3329.3	3337.5	3337.5	3296.5
10°	2451.9	2378.1	2304.3	2263.3	2279.7	2427.3	2476.5	2501.1	2484.7	2509.3	2476.5
12.5°	2099.3	2033.7	1927.1	1853.3	1804.1	1845.1	1894.3	1918.9	1935.3	1976.3	2009.1
15°	1705.7	1640.1	1574.5	1533.5	1492.5	1459.7	1500.7	1525.3	1566.3	1599.1	1615.5
17.5°	1295.7	1262.8	1230.0	1254.6	1254.6	1238.2	1254.6	1262.8	1279.3	1303.9	1295.7
20°	1049.6	1041.4	1033.2	1074.2	1107.0	1107.0	1123.4	1098.8	1090.6	1066.0	1057.8
22.5°	934.8	934.8	943.0	975.8	1008.6	1025.0	1025.0	984.0	943.0	926.6	934.8
25°	869.2	869.2	893.8	902.0	918.4	918.4	926.6	885.6	861.0	836.4	844.6
27.5°	820.0	820.0	828.2	828.2	836.4	836.4	844.6	828.2	795.4	787.2	787.2
30°	787.2	787.2	779.0	779.0	779.0	779.0	787.2	762.6	746.2	738.0	738.0
32.5°	754.4	746.2	738.0	738.0	729.8	729.8	738.0	713.4	705.2	705.2	705.2
35°	656.0	647.8	656.0	672.4	672.4	680.6	680.6	672.4	656.0	639.6	631.4
37.5°	615.0	606.8	606.8	606.8	623.2	631.4	639.6	623.2	598.6	574.0	574.0
40°	582.2	582.2	574.0	574.0	574.0	590.4	606.8	582.2	549.4	541.2	541.2
42.5°	557.6	549.4	541.2	533.0	524.8	549.4	565.8	533.0	516.6	516.6	516.6
45°	533.0	524.8	516.6	508.4	500.2	508.4	524.8	492.0	483.8	483.8	483.8
47.5°	508.4	500.2	483.8	475.6	467.4	467.4	483.8	459.2	451.0	459.2	459.2
50°	492.0	475.6	459.2	451.0	442.8	442.8	442.8	434.6	434.6	434.6	442.8
52.5°	475.6	459.2	434.6	426.4	418.2	418.2	418.2	418.2	410.0	418.2	426.4
55°	451.0	434.6	418.2	410.0	401.8	393.6	401.8	393.6	393.6	401.8	401.8
57.5°	418.2	401.8	385.4	385.4	377.2	377.2	385.4	377.2	377.2	385.4	385.4
60°	393.6	377.2	360.8	360.8	352.6	360.8	369.0	360.8	360.8	360.8	369.0
62.5°	360.8	352.6	336.2	336.2	336.2	336.2	344.4	336.2	344.4	344.4	344.4
65°	336.2	319.8	311.6	311.6	311.6	311.6	328.0	311.6	319.8	319.8	319.8
67.5°	311.6	295.2	287.0	287.0	287.0	287.0	303.4	287.0	295.2	303.4	295.2
70°	287.0	270.6	262.4	262.4	262.4	262.4	270.6	262.4	262.4	270.6	270.6
72.5°	254.2	246.0	237.8	237.8	229.6	237.8	246.0	237.8	237.8	237.8	237.8
75°	229.6	221.4	221.4	213.2	213.2	213.2	221.4	205.0	205.0	205.0	205.0
77.5°	213.2	196.8	196.8	196.8	188.6	196.8	188.6	172.2	172.2	172.2	172.2
80°	180.4	164.0	172.2	172.2	164.0	164.0	155.8	139.4	139.4	139.4	139.4
82.5°	147.6	131.2	139.4	139.4	139.4	139.4	123.0	114.8	106.6	98.4	98.4
85°	131.2	106.6	123.0	123.0	114.8	114.8	82.0	82.0	65.6	65.6	57.4
87.5°	24.6	16.4	32.8	41.0	41.0	49.2	32.8	41.0	24.6	16.4	16.4
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°	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0
2.5°	5199.0	5289.2	5412.2	5502.4	5641.8	5748.4	5912.4	6051.8	6183.0	6240.4	6297.8
5°	4362.6	4420.0	4608.6	4756.2	4977.6	5215.4	5510.6	5830.4	6158.4	6306.0	6478.3
7.5°	3263.7	3370.3	3476.9	3690.1	3960.8	4346.2	4723.4	5199.0	5658.2	5879.6	6174.8
10°	2533.9	2615.9	2738.9	2960.3	3214.5	3534.3	3985.4	4551.2	5100.6	5387.6	5691.0
12.5°	2033.7	2148.5	2312.5	2542.1	2837.3	3165.3	3493.3	4018.2	4657.8	4985.8	5330.2
15°	1648.3	1738.5	1918.9	2205.9	2550.3	2886.5	3230.9	3665.5	4362.6	4739.8	5149.8
17.5°	1312.1	1377.7	1541.7	1828.7	2173.1	2550.3	2943.9	3493.3	4264.2	4723.4	5207.2
20°	1066.0	1115.2	1221.8	1435.1	1763.1	2173.1	2665.1	3329.3	4321.6	4912.0	5502.4
22.5°	934.8	951.2	1000.4	1115.2	1385.9	1820.5	2410.9	3189.9	4428.2	5190.8	5986.2
25°	844.6	861.0	877.4	951.2	1107.0	1517.1	2189.5	3107.9	4657.8	5600.8	6543.9
27.5°	787.2	803.6	811.8	844.6	951.2	1295.7	2000.9	3058.7	4969.4	6199.4	7232.7
30°	738.0	738.0	762.6	811.8	885.6	1139.8	1836.9	2943.9	5297.4	6699.7	7773.9
32.5°	697.0	705.2	738.0	762.6	811.8	1008.6	1672.9	2796.3	5592.6	7109.7	8306.9
35°	623.2	623.2	631.4	672.4	738.0	902.0	1525.3	2648.7	5756.6	7511.5	8782.5
37.5°	574.0	582.2	598.6	631.4	688.8	828.2	1402.3	2484.7	5928.8	7888.7	9340.2
40°	541.2	549.4	565.8	598.6	656.0	762.6	1295.7	2353.5	6109.2	8298.7	9938.8
42.5°	516.6	524.8	541.2	574.0	623.2	746.2	1180.8	2246.9	6215.8	8675.9	10504.6
45°	492.0	500.2	524.8	557.6	598.6	729.8	1115.2	2173.1	6256.8	8930.2	10955.6
47.5°	467.4	475.6	500.2	549.4	598.6	705.2	1090.6	2132.1	6289.6	9217.2	11316.4
50°	442.8	459.2	492.0	541.2	606.8	672.4	1074.2	2123.9	6478.3	9586.2	11660.9
52.5°	426.4	451.0	483.8	541.2	598.6	623.2	1066.0	2148.5	6855.5	10135.6	12152.9
55°	410.0	434.6	467.4	541.2	574.0	582.2	1025.0	2189.5	7429.5	10898.2	12849.9
57.5°	393.6	410.0	451.0	524.8	541.2	549.4	943.0	2246.9	8003.5	11644.5	13563.3
60°	369.0	385.4	426.4	524.8	492.0	516.6	836.4	2263.3	8413.5	11882.3	13628.9
62.5°	344.4	360.8	401.8	541.2	451.0	483.8	746.2	2205.9	8495.5	11537.9	13259.9
65°	319.8	336.2	369.0	451.0	418.2	451.0	688.8	2050.1	8224.9	10750.6	12587.5
67.5°	295.2	311.6	336.2	369.0	377.2	410.0	664.2	1804.1	7544.3	9774.8	11669.1
70°	262.4	278.8	303.4	328.0	336.2	385.4	623.2	1566.3	6445.5	8470.9	10545.6
72.5°	237.8	246.0	270.6	287.0	303.4	352.6	598.6	1369.5	4928.4	6855.5	8602.1
75°	205.0	205.0	229.6	246.0	262.4	311.6	549.4	1139.8	3476.9	5231.8	6322.5
77.5°	172.2	172.2	188.6	205.0	221.4	270.6	467.4	926.6	2410.9	4149.4	4584.0
80°	131.2	131.2	147.6	164.0	180.4	229.6	377.2	680.6	1492.5	3034.1	3337.5
82.5°	90.2	90.2	114.8	123.0	131.2	180.4	287.0	467.4	877.4	2189.5	2386.3
85°	49.2	49.2	65.6	73.8	90.2	131.2	213.2	328.0	524.8	1582.7	1590.9
87.5°	8.2	8.2	24.6	24.6	41.0	65.6	123.0	180.4	295.2	877.4	557.6
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: P598605  
 CATALOG NUMBER: IFLD-M-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0	5855.0
2.5°	6404.5	6494.7	6502.9	6502.9	6461.9	6470.1	6355.3	6232.2	6191.2	6183.0
5°	6740.7	6978.5	7044.1	7076.9	6970.3	6806.3	6511.1	6191.2	6027.2	6002.6
7.5°	6675.1	7150.7	7404.9	7437.7	7224.5	6839.1	6322.5	5830.4	5641.8	5592.6
10°	6289.6	6929.3	7388.5	7503.3	7273.7	6781.7	6109.2	5535.2	5305.6	5264.6
12.5°	6019.0	6634.1	7085.1	7240.9	7134.3	6707.9	6002.6	5346.6	5117.0	5059.6
15°	5871.4	6437.3	6732.5	6781.7	6773.5	6593.1	6002.6	5387.6	5133.4	5067.8
17.5°	5994.4	6379.9	6420.9	6306.0	6371.7	6461.9	6133.8	5609.0	5363.0	5305.6
20°	6240.4	6355.3	6158.4	5986.2	6019.0	6306.0	6338.9	6027.2	5830.4	5732.0
22.5°	6757.1	6445.5	5994.4	5756.6	5781.2	6183.0	6609.5	6593.1	6420.9	6371.7
25°	7281.9	6699.7	5945.2	5666.4	5699.2	6158.4	6929.3	7224.5	7134.3	7109.7
27.5°	7864.1	7126.1	5978.0	5625.4	5666.4	6191.2	7150.7	7757.5	7773.9	7749.3
30°	8257.7	7331.1	6076.4	5674.6	5732.0	6273.2	7199.9	8077.3	8224.9	8233.1
32.5°	8585.7	7536.1	6281.4	5756.6	5855.0	6420.9	7331.1	8380.7	8708.7	8716.9
35°	8848.1	7765.7	6535.7	5904.2	6051.8	6666.9	7503.3	8667.7	9159.8	9217.2
37.5°	9184.4	8019.9	6830.9	6224.0	6388.1	7019.5	7806.7	9004.0	9692.8	9848.6
40°	9545.2	8274.1	7257.3	6740.7	6978.5	7544.3	8151.1	9381.2	10143.8	10357.0
42.5°	9947.0	8544.7	7741.1	7437.7	7798.5	8208.5	8544.7	9725.6	10488.2	10734.2
45°	10340.6	8872.8	8446.3	8388.9	8790.7	8995.8	8930.2	9971.6	10816.2	11062.2
47.5°	10619.4	9348.4	9299.2	9643.6	10020.8	9914.2	9381.2	10152.0	11086.8	11357.4
50°	10873.6	9938.8	10373.4	11045.8	11275.4	10914.6	9865.0	10398.0	11373.8	11677.3
52.5°	11250.8	10570.2	11480.5	12316.9	12538.3	11964.3	10389.8	10799.8	11816.7	12087.3
55°	12021.7	11283.6	12636.7	13596.1	13637.1	12923.7	11095.0	11480.5	12439.9	12751.5
57.5°	12882.7	12161.1	13555.1	14654.0	14637.6	13883.1	11890.5	12398.9	13284.5	13497.7
60°	13661.7	13046.7	14555.6	15408.4	15367.4	14580.2	12817.1	13440.3	14252.2	14416.2
62.5°	14121.0	13850.3	14998.4	15646.2	15490.4	14809.8	13604.3	14367.0	14941.0	14998.4
65°	14047.2	14309.6	14481.8	14883.6	14662.2	14170.2	13989.8	14957.4	15014.8	14957.4
67.5°	13489.5	14047.2	13063.1	13104.1	12989.3	12571.1	13391.1	14801.6	14408.0	14268.6
70°	12644.9	12685.9	10922.8	10406.2	10586.6	10012.6	11488.7	13587.9	12981.1	12808.9
72.5°	11242.6	10734.2	8257.7	7732.9	8003.5	7593.5	9217.2	11841.3	11250.8	10693.2
75°	9430.4	8503.7	6289.6	5543.4	5682.8	5666.4	7142.5	9783.0	8716.9	8159.3
77.5°	7306.5	6625.9	4641.4	4354.4	4206.8	4239.6	4985.8	7273.7	6322.5	5625.4
80°	5338.4	4633.2	3591.7	3755.7	3673.7	3476.9	3493.3	4871.0	4395.4	3977.2
82.5°	3690.1	3296.5	2911.1	3288.3	3091.5	2788.1	2722.5	3509.7	3296.5	3042.3
85°	2476.5	2714.3	2312.5	2517.5	2181.3	2009.1	2558.5	2935.7	2369.9	2115.7
87.5°	1615.5	2484.7	1664.7	1262.8	721.6	967.6	1566.3	1927.1	1107.0	598.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)