

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: P598866

Luminaire Tested: **IFLD-M-SA4D-722-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598866
 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-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (64) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

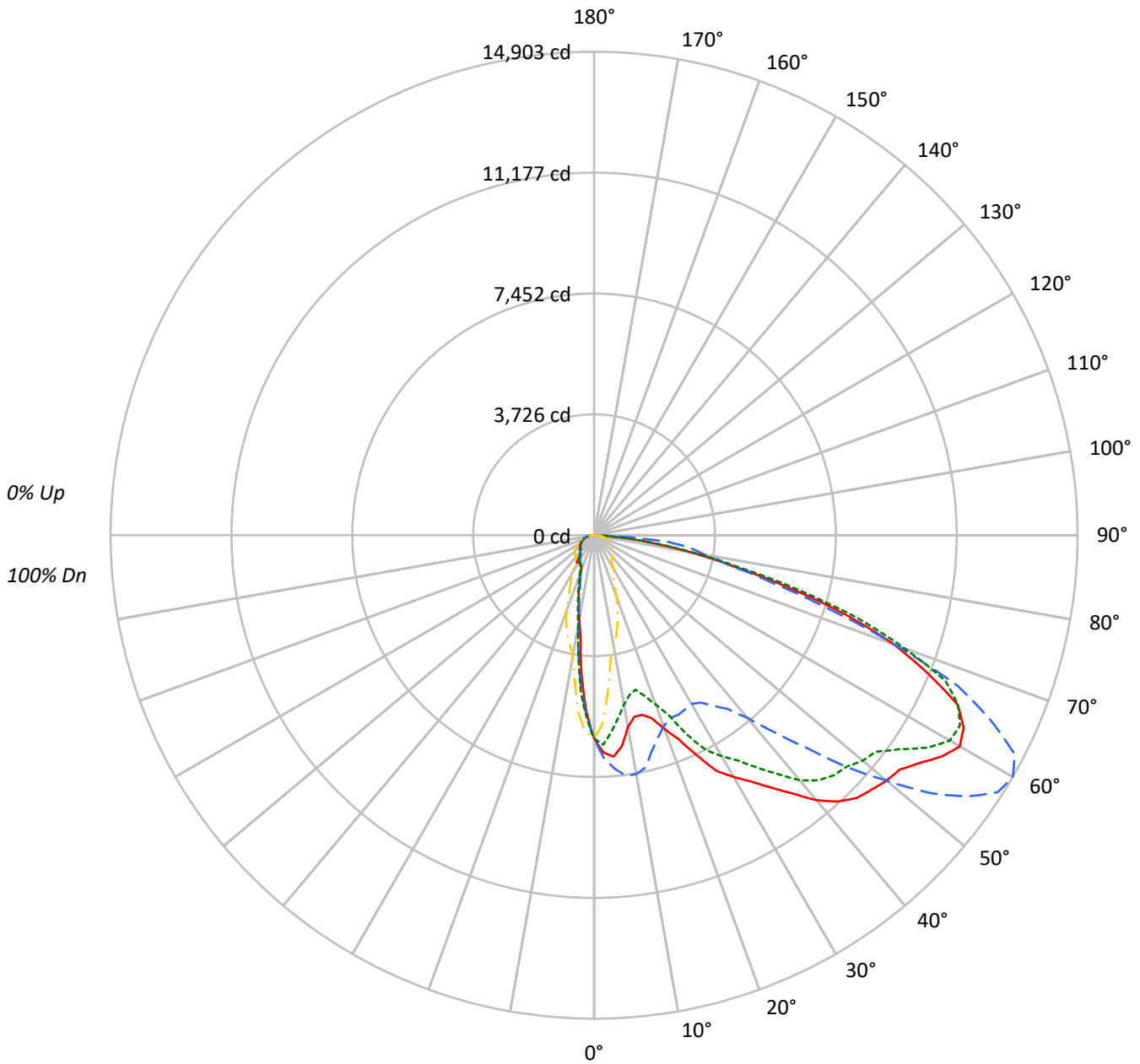
Lumens per Lamp: N/A
 Luminaire Lumens: 19601.1 lumens
 Efficiency: N/A
 Efficacy: 78.5 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	67387	67387	67387	67387
5°	74033	65766	47163	51485
10°	65575	57877	28606	30697
15°	63854	54939	20251	21026
20°	72807	63545	13246	14641
25°	88708	80550	11567	11979
30°	106884	97698	11997	11132
35°	124654	114714	9941	9369
40°	149790	138550	9285	8796
45°	174320	159230	9398	8736
50°	197005	180987	9610	9028
55°	229750	215717	9954	9464
60°	280219	272544	9920	9920
65°	314916	315359	10188	10631
70°	309498	320444	10672	10946
75°	255300	272297	11208	11932
80°	184330	193492	12397	12937
85°	102013	109534	13956	17179

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.4	2.5
10°-20°	1026.9	5.2
20°-30°	1502.4	7.7
30°-40°	2116.8	10.8
40°-50°	2909.1	14.8
50°-60°	3964.8	20.2
60°-70°	4339.3	22.1
70°-80°	2505.2	12.8
80°-90°	750.2	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°	3015.6	15.4
0°-40°	5132.4	26.2
0°-60°	12006.3	61.3
0°-90°	19601.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19601.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6260	6260	6260	6260	6260	
5°	6852	6087	4365	4765	6852	622
15°	5730	4930	1817	1887	5730	1674
25°	7469	6782	974	1009	7469	3498
35°	9486	8730	756	713	9486	6015
45°	11452	10460	617	574	11452	8801
55°	12243	11495	530	504	12243	11046
65°	12364	12382	400	417	12364	11834
75°	6139	6547	270	287	6139	6594
85°	826	887	113	139	826	1146
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°	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5
2.5°	6703.9	6677.8	6703.9	6799.6	6825.7	6869.1	6869.1	6808.3	6695.2	6643.1	6556.1
5°	6851.7	6808.3	7025.6	7225.6	7382.1	7364.8	7216.9	7095.2	6869.1	6530.0	6208.3
7.5°	6556.1	6599.6	6756.1	7277.8	7643.0	7712.6	7477.8	7234.3	6747.4	6277.9	5843.1
10°	5999.6	6060.5	6399.6	6938.7	7512.6	7625.6	7477.8	7182.2	6599.6	6017.0	5512.7
12.5°	5730.1	5869.2	6069.2	6721.3	7130.0	7399.5	7330.0	7138.7	6486.6	5799.6	5312.7
15°	5730.1	5764.9	6060.5	6608.3	6843.1	6851.7	6877.8	6912.6	6521.3	5895.3	5243.2
17.5°	5912.7	6008.3	6260.5	6599.6	6643.1	6538.7	6538.7	6686.5	6590.9	6164.8	5495.3
20°	6356.1	6321.3	6651.8	6790.9	6556.1	6295.3	6269.2	6521.3	6669.1	6451.8	5956.1
22.5°	6799.6	6956.1	7225.6	6912.6	6477.9	6130.1	6095.3	6408.3	6903.9	6947.4	6486.6
25°	7469.1	7625.6	7764.7	7382.1	6469.2	6086.6	6112.7	6356.1	7190.9	7651.7	7373.5
27.5°	8190.8	8286.4	8486.4	7895.2	6677.8	6034.4	6060.5	6425.7	7460.4	8112.5	8069.1
30°	8599.5	8703.8	8660.3	7990.8	6817.0	6069.2	5999.6	6521.3	7312.6	8112.5	8521.2
32.5°	8999.4	8938.6	8912.5	8147.3	6990.9	6286.6	6112.7	6721.3	7399.5	8243.0	9103.8
35°	9486.4	9399.4	9329.9	8451.6	7277.8	6495.2	6417.0	6982.2	7590.8	8512.5	9573.3
37.5°	10025.5	10025.5	9686.4	8677.7	7616.9	6834.4	6747.4	7356.1	7895.2	8677.7	10216.8
40°	10660.2	10686.3	10086.3	8982.0	7999.5	7373.5	7347.4	7843.0	8190.8	8921.2	10834.1
42.5°	11129.7	11147.1	10434.1	9095.1	8443.0	8121.2	8234.3	8625.5	8529.9	9138.6	10877.6
45°	11451.5	11364.5	10677.6	9416.8	8929.9	9242.9	9277.7	9390.7	8973.4	9269.0	11051.5
47.5°	11608.0	11590.6	10781.9	9790.7	9955.9	10382.0	10581.9	10425.4	9382.0	9129.9	11051.5
50°	11764.5	11616.7	10877.6	10303.7	10955.8	11816.7	11773.2	11486.2	9947.2	9303.8	10886.3
52.5°	11868.8	11738.4	11068.9	10764.5	11912.3	12886.2	13060.1	12529.7	10608.0	9625.5	10964.5
55°	12242.7	12138.4	11642.8	11390.6	13016.6	14016.5	14042.6	13303.5	11303.6	10155.9	11477.5
57.5°	12694.9	12755.7	12434.0	12277.5	13860.0	14842.6	14746.9	13877.4	11894.9	10799.3	12068.8
60°	13016.6	13112.2	13034.0	13051.4	14277.4	15120.8	14903.4	14233.9	12329.7	11286.3	12790.5
62.5°	12842.7	13034.0	13355.7	13286.1	14294.8	14920.8	14616.5	13764.4	12381.8	11921.0	13338.3
65°	12364.4	12381.8	13007.9	13390.5	13512.2	13886.1	13486.1	12781.8	11842.7	12312.3	13260.0
67.5°	11138.4	11277.6	11842.7	12590.5	12077.5	12164.5	12129.7	11112.3	11025.4	12042.7	12660.1
70°	9834.2	9929.8	10547.2	11425.4	10199.4	9790.7	9868.9	9112.5	9469.0	11208.0	11451.5
72.5°	8129.9	8190.8	8895.1	9669.0	8182.1	7451.7	7634.3	7017.0	7521.3	9808.1	9660.3
75°	6138.7	6251.8	6799.6	7712.6	6025.7	5556.2	5738.8	5486.6	5956.1	8077.8	7495.2
77.5°	4364.9	4278.0	4956.2	6034.4	4530.2	4251.9	4269.3	4312.8	4817.1	6808.3	5382.3
80°	2973.7	2999.8	3608.5	4425.8	3556.3	3512.8	3469.3	3817.2	4043.2	5391.0	3912.8
82.5°	1765.1	1765.1	2434.6	3147.6	2808.5	3165.0	2965.0	3278.1	3165.0	3965.0	2565.1
85°	826.0	826.0	1252.1	2269.4	2173.8	2608.5	2217.3	2478.1	2339.0	2765.0	1156.4
87.5°	139.1	121.7	252.2	1113.0	895.6	1017.3	400.0	1321.7	1469.5	1930.3	286.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5
2.5°	6460.5	6399.6	6277.9	6121.4	5990.9	5825.7	5773.6	5660.5	5504.0	5486.6	5417.1
5°	6086.6	5877.9	5617.0	5295.3	5077.9	4851.9	4660.6	4547.5	4417.1	4399.7	4364.9
7.5°	5677.9	5417.1	4982.3	4599.7	4225.8	3869.3	3695.4	3478.0	3330.2	3217.2	3165.0
10°	5295.3	5051.9	4512.8	3991.1	3660.6	3425.9	3217.2	2991.1	2808.5	2669.4	2617.2
12.5°	5043.2	4756.2	4173.7	3678.0	3434.6	3165.0	2930.3	2686.8	2452.0	2269.4	2173.8
15°	4930.1	4660.6	4069.3	3521.5	3165.0	2791.1	2521.6	2278.1	1991.2	1860.8	1817.3
17.5°	5199.7	4799.7	4034.5	3338.9	2834.6	2408.5	2078.1	1817.3	1608.6	1478.2	1426.0
20°	5547.5	5051.9	4095.4	3121.5	2521.6	2043.4	1678.2	1399.9	1260.8	1165.1	1156.4
22.5°	5990.9	5425.7	4191.0	2965.0	2173.8	1643.4	1313.0	1147.8	1052.1	1043.4	1026.0
25°	6782.2	6104.0	4347.6	2756.3	1895.5	1356.4	1121.7	1026.0	982.5	956.5	973.9
27.5°	7460.4	6547.4	4460.6	2625.9	1782.5	1278.2	1086.9	982.5	939.1	930.4	939.1
30°	7860.4	6956.1	4425.8	2382.5	1556.4	1217.3	1156.4	1121.7	1034.7	965.2	965.2
32.5°	8225.6	7216.9	4417.1	2165.1	1330.4	1017.3	965.2	939.1	991.2	1026.0	999.9
35°	8729.9	7625.6	4391.0	2043.4	1234.7	939.1	852.1	782.6	747.8	730.4	756.5
37.5°	9269.0	7903.9	4321.5	2026.0	1182.5	895.6	826.0	756.5	721.7	704.3	695.6
40°	9860.3	8199.5	4243.2	1939.0	1156.4	869.5	799.9	739.1	695.6	669.5	660.8
42.5°	10242.8	8434.3	4165.0	1895.5	1104.3	852.1	773.9	721.7	678.2	643.4	643.4
45°	10460.2	8712.5	4086.7	1852.1	1043.4	860.8	773.9	704.3	652.1	634.7	617.4
47.5°	10555.9	8921.2	4060.6	1782.5	991.2	826.0	756.5	686.9	634.7	600.0	591.3
50°	10808.0	9364.6	4156.3	1730.3	930.4	791.3	799.9	678.2	626.0	582.6	573.9
52.5°	10955.8	9721.1	4364.9	1652.1	886.9	747.8	782.6	660.8	600.0	556.5	556.5
55°	11494.9	10312.4	4591.0	1591.2	834.7	686.9	721.7	626.0	556.5	530.4	530.4
57.5°	12181.8	10938.4	4782.3	1565.1	799.9	643.4	643.4	608.7	530.4	495.6	486.9
60°	12660.1	11451.5	4895.3	1547.7	765.2	600.0	573.9	608.7	504.3	469.5	460.8
62.5°	12712.2	11155.8	4782.3	1539.0	756.5	556.5	521.7	582.6	478.2	443.5	426.1
65°	12381.8	10555.9	4469.3	1504.3	747.8	513.0	486.9	504.3	443.5	417.4	400.0
67.5°	11721.0	9582.0	4017.1	1486.9	739.1	478.2	443.5	434.8	408.7	382.6	365.2
70°	10182.0	8312.5	3486.7	1408.6	721.7	452.1	400.0	391.3	365.2	347.8	339.1
72.5°	8547.3	6799.6	2878.1	1304.3	686.9	408.7	365.2	347.8	339.1	313.0	304.3
75°	6547.4	5234.5	2304.2	1156.4	600.0	365.2	321.7	304.3	295.6	278.2	269.5
77.5°	4599.7	3895.4	1704.2	939.1	504.3	330.4	286.9	269.5	260.9	234.8	234.8
80°	3121.5	2730.3	1156.4	652.1	391.3	269.5	252.2	234.8	217.4	200.0	200.0
82.5°	1939.0	1912.9	834.7	426.1	286.9	217.4	200.0	200.0	173.9	156.5	156.5
85°	886.9	1173.8	582.6	295.6	217.4	165.2	165.2	156.5	139.1	113.0	113.0
87.5°	278.2	391.3	304.3	130.4	121.7	95.6	95.6	87.0	87.0	69.6	69.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5
2.5°	5486.6	5477.9	5477.9	5443.1	5530.1	5530.1	5582.3	5538.8	5564.9	5573.6	5643.1
5°	4356.2	4425.8	4478.0	4582.3	4643.2	4669.3	4669.3	4738.8	4712.7	4764.9	4869.3
7.5°	3191.1	3278.1	3434.6	3565.0	3669.3	3704.1	3695.4	3712.8	3738.9	3678.0	3695.4
10°	2582.4	2521.6	2573.8	2695.5	2791.1	2904.2	2817.2	2808.5	2834.6	2808.5	2860.7
12.5°	2156.4	2086.8	2043.4	2043.4	2112.9	2165.1	2139.0	2182.5	2278.1	2304.2	2365.1
15°	1747.7	1686.9	1652.1	1608.6	1678.2	1695.5	1721.6	1782.5	1852.1	1886.8	1956.4
17.5°	1399.9	1399.9	1399.9	1365.1	1391.2	1417.3	1426.0	1504.3	1512.9	1547.7	1573.8
20°	1147.8	1173.8	1217.3	1234.7	1260.8	1260.8	1243.4	1286.9	1252.1	1278.2	1295.6
22.5°	1034.7	1069.5	1086.9	1095.6	1130.4	1139.1	1095.6	1104.3	1113.0	1086.9	1095.6
25°	973.9	991.2	973.9	982.5	991.2	973.9	982.5	999.9	991.2	1008.6	999.9
27.5°	947.8	930.4	921.7	913.0	913.0	895.6	904.3	904.3	921.7	930.4	930.4
30°	947.8	921.7	886.9	860.8	860.8	834.7	852.1	869.5	878.2	895.6	895.6
32.5°	973.9	921.7	860.8	834.7	808.6	791.3	808.6	834.7	869.5	878.2	886.9
35°	773.9	799.9	791.3	756.5	747.8	747.8	739.1	739.1	713.0	713.0	704.3
37.5°	695.6	686.9	704.3	713.0	721.7	695.6	695.6	660.8	652.1	660.8	660.8
40°	652.1	652.1	652.1	678.2	686.9	669.5	643.4	626.0	626.0	626.0	634.7
42.5°	634.7	617.4	608.7	626.0	652.1	634.7	608.7	600.0	600.0	608.7	608.7
45°	608.7	600.0	591.3	582.6	617.4	591.3	582.6	573.9	573.9	573.9	582.6
47.5°	582.6	573.9	556.5	556.5	565.2	556.5	547.8	547.8	547.8	565.2	565.2
50°	565.2	556.5	539.1	539.1	539.1	539.1	530.4	530.4	530.4	539.1	547.8
52.5°	539.1	530.4	521.7	513.0	513.0	513.0	513.0	513.0	513.0	521.7	530.4
55°	513.0	504.3	495.6	495.6	504.3	504.3	495.6	504.3	495.6	504.3	513.0
57.5°	486.9	478.2	469.5	478.2	486.9	478.2	478.2	478.2	478.2	478.2	486.9
60°	452.1	452.1	452.1	452.1	469.5	469.5	469.5	469.5	452.1	460.8	469.5
62.5°	434.8	426.1	426.1	434.8	443.5	443.5	452.1	443.5	434.8	443.5	443.5
65°	400.0	400.0	400.0	408.7	408.7	417.4	417.4	417.4	408.7	417.4	417.4
67.5°	373.9	373.9	373.9	373.9	391.3	391.3	391.3	391.3	382.6	382.6	391.3
70°	330.4	339.1	330.4	347.8	365.2	356.5	365.2	365.2	356.5	347.8	365.2
72.5°	304.3	304.3	304.3	304.3	330.4	330.4	330.4	339.1	330.4	321.7	330.4
75°	269.5	269.5	269.5	278.2	295.6	295.6	295.6	295.6	295.6	286.9	286.9
77.5°	234.8	243.5	234.8	243.5	260.9	252.2	260.9	269.5	260.9	252.2	252.2
80°	200.0	200.0	200.0	208.7	217.4	217.4	217.4	226.1	217.4	208.7	208.7
82.5°	156.5	156.5	165.2	165.2	173.9	173.9	173.9	182.6	173.9	165.2	165.2
85°	121.7	121.7	121.7	130.4	130.4	139.1	139.1	147.8	147.8	139.1	139.1
87.5°	78.3	69.6	78.3	78.3	87.0	87.0	78.3	69.6	78.3	69.6	60.9
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: P598866
 CATALOG NUMBER: IFLD-M-SA4D-722-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5	6260.5
2.5°	5712.7	5869.2	5982.2	6060.5	6173.5	6390.9	6477.9	6634.4	6677.8	6703.9
5°	4912.7	5077.9	5321.4	5495.3	5695.3	6104.0	6417.0	6651.8	6756.1	6851.7
7.5°	3851.9	4069.3	4321.5	4547.5	4878.0	5382.3	5790.9	6277.9	6460.5	6556.1
10°	3008.5	3208.5	3486.7	3765.0	4225.8	4651.9	5234.5	5677.9	5930.1	5999.6
12.5°	2539.0	2773.7	3104.2	3443.3	3730.2	4217.1	4808.4	5451.8	5686.6	5730.1
15°	2156.4	2478.1	2817.2	3165.0	3495.4	3921.5	4556.2	5338.8	5686.6	5730.1
17.5°	1782.5	2069.4	2469.4	2843.3	3225.9	3808.5	4599.7	5434.4	5782.2	5912.7
20°	1417.3	1695.5	2008.6	2478.1	2999.8	3617.2	4695.4	5756.2	6217.0	6356.1
22.5°	1173.8	1295.6	1599.9	2052.0	2669.4	3486.7	4791.0	6260.5	6747.4	6799.6
25°	1026.0	1113.0	1304.3	1730.3	2408.5	3399.8	5017.1	6843.1	7469.1	7469.1
27.5°	956.5	991.2	1121.7	1504.3	2225.9	3321.5	5243.2	7486.5	8069.1	8190.8
30°	939.1	1026.0	1095.6	1339.0	2026.0	3104.2	5451.8	7990.8	8590.8	8599.5
32.5°	921.7	904.3	956.5	1165.1	1782.5	2878.1	5625.7	8503.8	8973.4	8999.4
35°	721.7	756.5	843.4	1026.0	1599.9	2712.9	5712.7	8782.1	9460.3	9486.4
37.5°	678.2	721.7	791.3	947.8	1478.2	2573.8	5738.8	9321.2	9973.3	10025.5
40°	660.8	695.6	747.8	878.2	1382.5	2399.8	5790.9	9877.6	10729.8	10660.2
42.5°	626.0	669.5	721.7	843.4	1304.3	2269.4	5799.6	10182.0	11129.7	11129.7
45°	617.4	643.4	704.3	843.4	1217.3	2156.4	5660.5	10486.3	11590.6	11451.5
47.5°	582.6	634.7	686.9	817.3	1113.0	2043.4	5495.3	10642.8	11651.4	11608.0
50°	573.9	626.0	713.0	773.9	1052.1	1991.2	5460.5	11034.1	11773.2	11764.5
52.5°	556.5	608.7	739.1	739.1	973.9	1921.6	5625.7	11208.0	11799.3	11868.8
55°	530.4	608.7	686.9	678.2	904.3	1834.7	5808.3	11660.1	12260.1	12242.7
57.5°	513.0	591.3	652.1	617.4	826.0	1773.8	6077.9	12094.9	12816.6	12694.9
60°	486.9	591.3	582.6	573.9	765.2	1721.6	6304.0	12181.8	12938.3	13016.6
62.5°	469.5	617.4	513.0	530.4	713.0	1695.5	6208.3	11529.7	12773.1	12842.7
65°	452.1	530.4	469.5	486.9	695.6	1643.4	5834.4	10747.2	12060.1	12364.4
67.5°	417.4	434.8	434.8	452.1	678.2	1521.6	5069.2	9338.5	10973.2	11138.4
70°	382.6	391.3	391.3	417.4	660.8	1382.5	4182.3	8077.8	9521.1	9834.2
72.5°	347.8	347.8	347.8	382.6	608.7	1269.5	3443.3	6208.3	7912.5	8129.9
75°	304.3	304.3	304.3	339.1	547.8	1156.4	2712.9	4617.1	5825.7	6138.7
77.5°	269.5	269.5	260.9	304.3	478.2	939.1	1956.4	3260.7	4104.1	4364.9
80°	226.1	217.4	217.4	243.5	373.9	678.2	1260.8	2304.2	2860.7	2973.7
82.5°	182.6	173.9	165.2	182.6	269.5	426.1	782.6	1608.6	1834.7	1765.1
85°	173.9	182.6	147.8	139.1	191.3	278.2	495.6	991.2	826.0	826.0
87.5°	69.6	60.9	60.9	52.2	95.6	104.3	217.4	182.6	139.1	139.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)