

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: P598983

Luminaire Tested: **IFLD-M-SA4E-740-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598983
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4E-740-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (64) 4000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

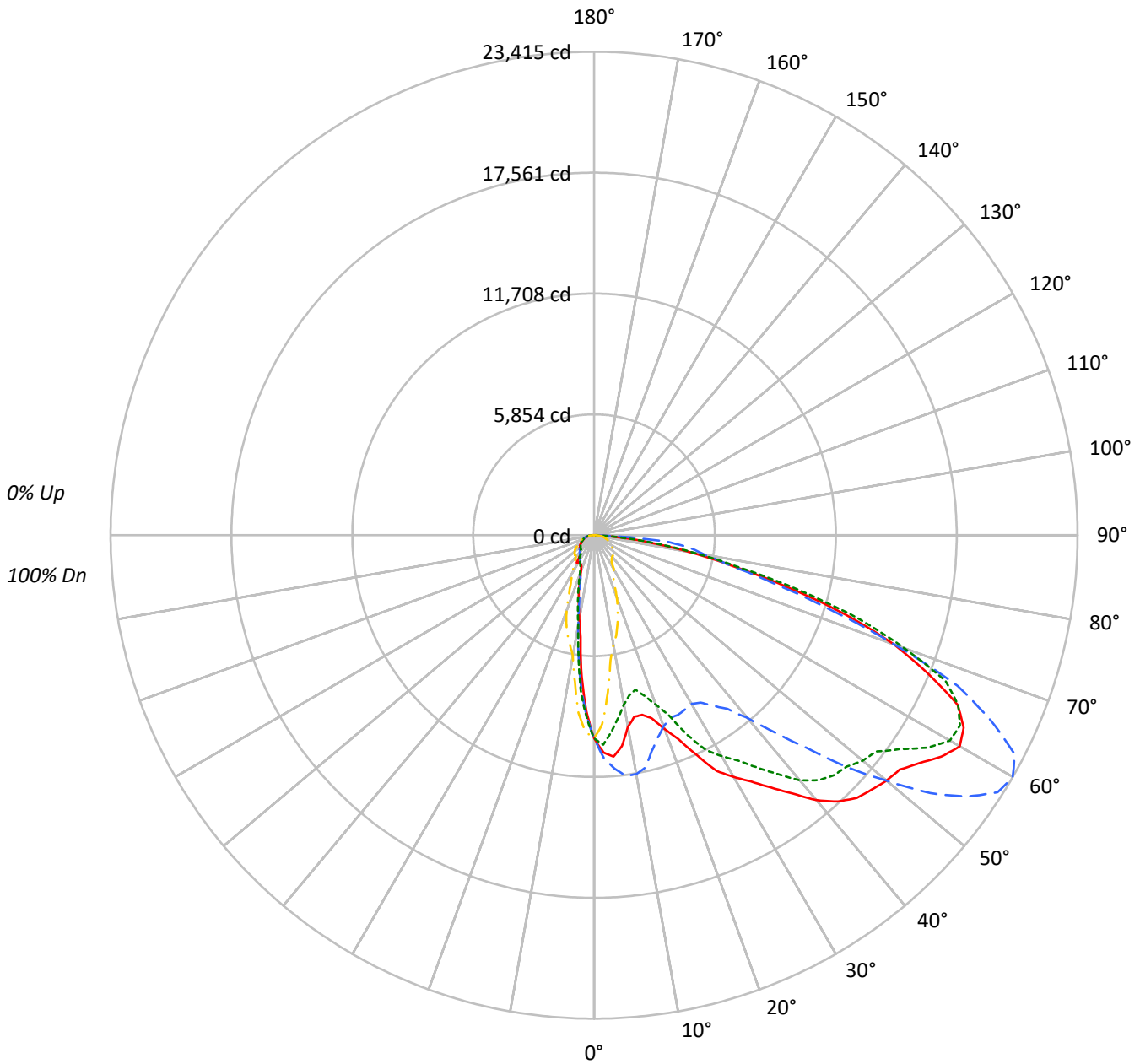
Lumens per Lamp: N/A
 Luminaire Lumens: 30795.7 lumens
 Efficiency: N/A
 Efficacy: 97.8 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 314.8
 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°	105874	105874	105874	105874
5°	116315	103326	74100	80890
10°	103028	90933	44944	48228
15°	100323	86316	31817	33035
20°	114390	99837	20812	23003
25°	139371	126554	18171	18821
30°	167927	153494	18847	17489
35°	195847	180229	15617	14720
40°	235338	217678	14588	13821
45°	273878	250171	14764	13725
50°	309519	284353	15098	14184
55°	360966	338920	15638	14869
60°	440259	428201	15586	15586
65°	494775	495470	16005	16700
70°	486258	503454	16768	17196
75°	401109	427813	17613	18748
80°	289609	304002	19476	20326
85°	160281	172088	21934	26998

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	764.1	2.5
10°-20°	1613.3	5.2
20°-30°	2360.5	7.7
30°-40°	3325.8	10.8
40°-50°	4570.6	14.8
50°-60°	6229.2	20.2
60°-70°	6817.6	22.1
70°-80°	3936.0	12.8
80°-90°	1178.7	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°	4737.9	15.4
0°-40°	8063.7	26.2
0°-60°	18863.5	61.3
0°-90°	30795.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30795.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9836	9836	9836	9836	9836	
5°	10765	9563	6858	7486	10765	977
15°	9003	7746	2855	2964	9003	2630
25°	11735	10656	1530	1585	11735	5495
35°	14904	13716	1188	1120	14904	9451
45°	17992	16434	970	902	17992	13828
55°	19235	18060	833	792	19235	17355
65°	19426	19453	628	656	19426	18593
75°	9645	10287	424	451	9645	10360
85°	1298	1393	178	219	1298	1801
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°	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0
2.5°	10532.7	10491.7	10532.7	10683.0	10724.0	10792.3	10792.3	10696.6	10519.0	10437.1	10300.5
5°	10764.9	10696.6	11038.2	11352.4	11598.3	11571.0	11338.7	11147.5	10792.3	10259.5	9754.0
7.5°	10300.5	10368.8	10614.7	11434.3	12008.1	12117.4	11748.5	11366.0	10601.0	9863.3	9180.3
10°	9426.2	9521.8	10054.6	10901.6	11803.2	11980.8	11748.5	11284.1	10368.8	9453.5	8661.1
12.5°	9002.7	9221.2	9535.4	10560.0	11202.1	11625.6	11516.3	11215.8	10191.2	9112.0	8346.9
15°	9002.7	9057.3	9521.8	10382.4	10751.3	10764.9	10805.9	10860.6	10245.8	9262.2	8237.6
17.5°	9289.5	9439.8	9836.0	10368.8	10437.1	10273.1	10273.1	10505.4	10355.1	9685.7	8633.8
20°	9986.3	9931.6	10450.7	10669.3	10300.5	9890.6	9849.7	10245.8	10478.1	10136.5	9357.9
22.5°	10683.0	10928.9	11352.4	10860.6	10177.5	9631.1	9576.4	10068.2	10846.9	10915.2	10191.2
25°	11734.9	11980.8	12199.4	11598.3	10163.9	9562.8	9603.8	9986.3	11297.7	12021.8	11584.6
27.5°	12868.8	13019.0	13333.2	12404.3	10491.7	9480.8	9521.8	10095.6	11721.2	12745.8	12677.5
30°	13510.8	13674.8	13606.5	12554.6	10710.3	9535.4	9426.2	10245.8	11489.0	12745.8	13387.9
32.5°	14139.2	14043.6	14002.6	12800.5	10983.5	9877.0	9603.8	10560.0	11625.6	12950.7	14303.2
35°	14904.3	14767.6	14658.4	13278.6	11434.3	10204.8	10081.9	10969.9	11926.1	13374.2	15040.9
37.5°	15751.2	15751.2	15218.5	13633.8	11967.1	10737.6	10601.0	11557.3	12404.3	13633.8	16051.8
40°	16748.5	16789.5	15846.9	14111.9	12568.2	11584.6	11543.6	12322.3	12868.8	14016.3	17021.7
42.5°	17486.2	17513.5	16393.3	14289.5	13264.9	12759.5	12937.1	13551.8	13401.5	14357.8	17090.0
45°	17991.7	17855.1	16775.8	14795.0	14029.9	14521.7	14576.4	14754.0	14098.3	14562.7	17363.3
47.5°	18237.6	18210.2	16939.8	15382.4	15642.0	16311.4	16625.6	16379.7	14740.3	14344.2	17363.3
50°	18483.5	18251.2	17090.0	16188.4	17213.0	18565.4	18497.1	18046.3	15628.3	14617.4	17103.7
52.5°	18647.4	18442.5	17390.6	16912.4	18715.7	20245.7	20519.0	19685.6	16666.5	15122.8	17226.6
55°	19234.8	19070.9	18292.2	17896.0	20450.7	22021.7	22062.7	20901.5	17759.4	15956.2	18032.7
57.5°	19945.2	20040.8	19535.4	19289.5	21775.8	23319.5	23169.2	21803.1	18688.4	16967.1	18961.6
60°	20450.7	20600.9	20478.0	20505.3	22431.5	23756.7	23415.1	22363.2	19371.4	17732.1	20095.5
62.5°	20177.4	20478.0	20983.4	20874.2	22458.8	23442.4	22964.3	21625.5	19453.4	18729.4	20956.1
65°	19426.1	19453.4	20437.0	21038.1	21229.3	21816.8	21188.4	20081.8	18606.4	19344.1	20833.2
67.5°	17499.9	17718.4	18606.4	19781.3	18975.3	19111.9	19057.2	17458.9	17322.3	18920.6	19890.6
70°	15450.7	15601.0	16570.9	17950.7	16024.5	15382.4	15505.3	14316.8	14876.9	17609.2	17991.7
72.5°	12773.1	12868.8	13975.3	15191.1	12855.1	11707.6	11994.4	11024.5	11816.9	15409.7	15177.5
75°	9644.7	9822.3	10683.0	12117.4	9467.1	8729.4	9016.3	8620.2	9357.9	12691.2	11775.9
77.5°	6857.9	6721.3	7786.8	9480.8	7117.4	6680.3	6707.6	6775.9	7568.2	10696.6	8456.2
80°	4672.1	4713.1	5669.4	6953.5	5587.4	5519.1	5450.8	5997.2	6352.4	8469.9	6147.5
82.5°	2773.2	2773.2	3825.1	4945.3	4412.5	4972.6	4658.4	5150.2	4972.6	6229.5	4030.0
85°	1297.8	1297.8	1967.2	3565.5	3415.3	4098.3	3483.6	3893.4	3674.8	4344.2	1816.9
87.5°	218.6	191.3	396.2	1748.6	1407.1	1598.3	628.4	2076.5	2308.7	3032.8	450.8
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°	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0
2.5°	10150.2	10054.6	9863.3	9617.4	9412.5	9152.9	9071.0	8893.4	8647.5	8620.2	8510.9
5°	9562.8	9234.9	8825.1	8319.6	7978.1	7622.9	7322.3	7144.8	6939.8	6912.5	6857.9
7.5°	8920.7	8510.9	7827.8	7226.7	6639.3	6079.2	5806.0	5464.4	5232.2	5054.6	4972.6
10°	8319.6	7937.1	7090.1	6270.4	5751.3	5382.5	5054.6	4699.4	4412.5	4194.0	4112.0
12.5°	7923.4	7472.6	6557.3	5778.6	5396.1	4972.6	4603.8	4221.3	3852.4	3565.5	3415.3
15°	7745.8	7322.3	6393.4	5532.7	4972.6	4385.2	3961.7	3579.2	3128.4	2923.5	2855.2
17.5°	8169.3	7540.9	6338.8	5245.9	4453.5	3784.1	3265.0	2855.2	2527.3	2322.4	2240.4
20°	8715.8	7937.1	6434.4	4904.3	3961.7	3210.4	2636.6	2199.4	1980.9	1830.6	1816.9
22.5°	9412.5	8524.5	6584.6	4658.4	3415.3	2581.9	2062.8	1803.3	1653.0	1639.3	1612.0
25°	10655.7	9590.1	6830.5	4330.6	2978.1	2131.1	1762.3	1612.0	1543.7	1502.7	1530.0
27.5°	11721.2	10286.8	7008.1	4125.7	2800.5	2008.2	1707.6	1543.7	1475.4	1461.7	1475.4
30°	12349.6	10928.9	6953.5	3743.1	2445.3	1912.6	1816.9	1762.3	1625.7	1516.4	1516.4
32.5°	12923.4	11338.7	6939.8	3401.6	2090.1	1598.3	1516.4	1475.4	1557.4	1612.0	1571.0
35°	13715.7	11980.8	6898.9	3210.4	1939.9	1475.4	1338.8	1229.5	1174.9	1147.5	1188.5
37.5°	14562.7	12417.9	6789.6	3183.0	1857.9	1407.1	1297.8	1188.5	1133.9	1106.5	1092.9
40°	15491.7	12882.4	6666.6	3046.4	1816.9	1366.1	1256.8	1161.2	1092.9	1051.9	1038.2
42.5°	16092.8	13251.3	6543.7	2978.1	1735.0	1338.8	1215.8	1133.9	1065.6	1010.9	1010.9
45°	16434.3	13688.4	6420.7	2909.8	1639.3	1352.4	1215.8	1106.5	1024.6	997.3	969.9
47.5°	16584.6	14016.3	6379.7	2800.5	1557.4	1297.8	1188.5	1079.2	997.3	942.6	929.0
50°	16980.7	14713.0	6530.0	2718.6	1461.7	1243.2	1256.8	1065.6	983.6	915.3	901.6
52.5°	17213.0	15273.1	6857.9	2595.6	1393.4	1174.9	1229.5	1038.2	942.6	874.3	874.3
55°	18060.0	16202.1	7213.1	2500.0	1311.5	1079.2	1133.9	983.6	874.3	833.3	833.3
57.5°	19139.2	17185.7	7513.6	2459.0	1256.8	1010.9	1010.9	956.3	833.3	778.7	765.0
60°	19890.6	17991.7	7691.2	2431.7	1202.2	942.6	901.6	956.3	792.3	737.7	724.0
62.5°	19972.5	17527.2	7513.6	2418.0	1188.5	874.3	819.7	915.3	751.4	696.7	669.4
65°	19453.4	16584.6	7021.8	2363.4	1174.9	806.0	765.0	792.3	696.7	655.7	628.4
67.5°	18415.2	15054.5	6311.4	2336.0	1161.2	751.4	696.7	683.1	642.1	601.1	573.8
70°	15997.1	13060.0	5478.1	2213.1	1133.9	710.4	628.4	614.7	573.8	546.4	532.8
72.5°	13428.9	10683.0	4521.8	2049.2	1079.2	642.1	573.8	546.4	532.8	491.8	478.1
75°	10286.8	8224.0	3620.2	1816.9	942.6	573.8	505.5	478.1	464.5	437.2	423.5
77.5°	7226.7	6120.2	2677.6	1475.4	792.3	519.1	450.8	423.5	409.8	368.8	368.8
80°	4904.3	4289.6	1816.9	1024.6	614.7	423.5	396.2	368.8	341.5	314.2	314.2
82.5°	3046.4	3005.4	1311.5	669.4	450.8	341.5	314.2	314.2	273.2	245.9	245.9
85°	1393.4	1844.2	915.3	464.5	341.5	259.6	259.6	245.9	218.6	177.6	177.6
87.5°	437.2	614.7	478.1	204.9	191.3	150.3	150.3	136.6	136.6	109.3	109.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0
2.5°	8620.2	8606.5	8606.5	8551.8	8688.5	8688.5	8770.4	8702.1	8743.1	8756.8	8866.1
5°	6844.2	6953.5	7035.5	7199.4	7295.0	7336.0	7336.0	7445.3	7404.3	7486.3	7650.2
7.5°	5013.6	5150.2	5396.1	5601.1	5765.0	5819.6	5806.0	5833.3	5874.3	5778.6	5806.0
10°	4057.3	3961.7	4043.7	4234.9	4385.2	4562.8	4426.2	4412.5	4453.5	4412.5	4494.5
12.5°	3388.0	3278.7	3210.4	3210.4	3319.6	3401.6	3360.6	3428.9	3579.2	3620.2	3715.8
15°	2745.9	2650.3	2595.6	2527.3	2636.6	2663.9	2704.9	2800.5	2909.8	2964.5	3073.7
17.5°	2199.4	2199.4	2199.4	2144.8	2185.8	2226.8	2240.4	2363.4	2377.0	2431.7	2472.7
20°	1803.3	1844.2	1912.6	1939.9	1980.9	1980.9	1953.5	2021.8	1967.2	2008.2	2035.5
22.5°	1625.7	1680.3	1707.6	1721.3	1775.9	1789.6	1721.3	1735.0	1748.6	1707.6	1721.3
25°	1530.0	1557.4	1530.0	1543.7	1557.4	1530.0	1543.7	1571.0	1557.4	1584.7	1571.0
27.5°	1489.1	1461.7	1448.1	1434.4	1434.4	1407.1	1420.8	1420.8	1448.1	1461.7	1461.7
30°	1489.1	1448.1	1393.4	1352.4	1352.4	1311.5	1338.8	1366.1	1379.8	1407.1	1407.1
32.5°	1530.0	1448.1	1352.4	1311.5	1270.5	1243.2	1270.5	1311.5	1366.1	1379.8	1393.4
35°	1215.8	1256.8	1243.2	1188.5	1174.9	1174.9	1161.2	1161.2	1120.2	1120.2	1106.5
37.5°	1092.9	1079.2	1106.5	1120.2	1133.9	1092.9	1092.9	1038.2	1024.6	1038.2	1038.2
40°	1024.6	1024.6	1024.6	1065.6	1079.2	1051.9	1010.9	983.6	983.6	983.6	997.3
42.5°	997.3	969.9	956.3	983.6	1024.6	997.3	956.3	942.6	942.6	956.3	956.3
45°	956.3	942.6	929.0	915.3	969.9	929.0	915.3	901.6	901.6	901.6	915.3
47.5°	915.3	901.6	874.3	874.3	888.0	874.3	860.6	860.6	860.6	888.0	888.0
50°	888.0	874.3	847.0	847.0	847.0	847.0	833.3	833.3	833.3	847.0	860.6
52.5°	847.0	833.3	819.7	806.0	806.0	806.0	806.0	806.0	806.0	819.7	833.3
55°	806.0	792.3	778.7	778.7	792.3	792.3	778.7	792.3	778.7	792.3	806.0
57.5°	765.0	751.4	737.7	751.4	765.0	751.4	751.4	751.4	751.4	751.4	765.0
60°	710.4	710.4	710.4	710.4	737.7	737.7	737.7	737.7	710.4	724.0	737.7
62.5°	683.1	669.4	669.4	683.1	696.7	696.7	710.4	696.7	683.1	696.7	696.7
65°	628.4	628.4	628.4	642.1	642.1	655.7	655.7	655.7	642.1	655.7	655.7
67.5°	587.4	587.4	587.4	587.4	614.7	614.7	614.7	614.7	601.1	601.1	614.7
70°	519.1	532.8	519.1	546.4	573.8	560.1	573.8	573.8	560.1	546.4	573.8
72.5°	478.1	478.1	478.1	478.1	519.1	519.1	519.1	532.8	519.1	505.5	519.1
75°	423.5	423.5	423.5	437.2	464.5	464.5	464.5	464.5	464.5	450.8	450.8
77.5°	368.8	382.5	368.8	382.5	409.8	396.2	409.8	423.5	409.8	396.2	396.2
80°	314.2	314.2	314.2	327.9	341.5	341.5	341.5	355.2	341.5	327.9	327.9
82.5°	245.9	245.9	259.6	259.6	273.2	273.2	273.2	286.9	273.2	259.6	259.6
85°	191.3	191.3	191.3	204.9	204.9	218.6	218.6	232.2	232.2	218.6	218.6
87.5°	122.9	109.3	122.9	122.9	136.6	136.6	122.9	109.3	122.9	109.3	95.6
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: P598983
 CATALOG NUMBER: IFLD-M-SA4E-740-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0	9836.0
2.5°	8975.3	9221.2	9398.8	9521.8	9699.4	10040.9	10177.5	10423.4	10491.7	10532.7
5°	7718.5	7978.1	8360.6	8633.8	8948.0	9590.1	10081.9	10450.7	10614.7	10764.9
7.5°	6051.9	6393.4	6789.6	7144.8	7663.9	8456.2	9098.3	9863.3	10150.2	10300.5
10°	4726.7	5040.9	5478.1	5915.3	6639.3	7308.7	8224.0	8920.7	9316.9	9426.2
12.5°	3989.0	4357.9	4877.0	5409.8	5860.6	6625.6	7554.6	8565.5	8934.4	9002.7
15°	3388.0	3893.4	4426.2	4972.6	5491.8	6161.2	7158.4	8387.9	8934.4	9002.7
17.5°	2800.5	3251.3	3879.8	4467.2	5068.3	5983.6	7226.7	8538.2	9084.6	9289.5
20°	2226.8	2663.9	3155.7	3893.4	4713.1	5683.0	7377.0	9043.6	9767.7	9986.3
22.5°	1844.2	2035.5	2513.6	3224.0	4194.0	5478.1	7527.3	9836.0	10601.0	10683.0
25°	1612.0	1748.6	2049.2	2718.6	3784.1	5341.5	7882.5	10751.3	11734.9	11734.9
27.5°	1502.7	1557.4	1762.3	2363.4	3497.2	5218.5	8237.6	11762.2	12677.5	12868.8
30°	1475.4	1612.0	1721.3	2103.8	3183.0	4877.0	8565.5	12554.6	13497.2	13510.8
32.5°	1448.1	1420.8	1502.7	1830.6	2800.5	4521.8	8838.7	13360.6	14098.3	14139.2
35°	1133.9	1188.5	1325.1	1612.0	2513.6	4262.3	8975.3	13797.7	14863.3	14904.3
37.5°	1065.6	1133.9	1243.2	1489.1	2322.4	4043.7	9016.3	14644.7	15669.3	15751.2
40°	1038.2	1092.9	1174.9	1379.8	2172.1	3770.5	9098.3	15519.0	16857.8	16748.5
42.5°	983.6	1051.9	1133.9	1325.1	2049.2	3565.5	9112.0	15997.1	17486.2	17486.2
45°	969.9	1010.9	1106.5	1325.1	1912.6	3388.0	8893.4	16475.3	18210.2	17991.7
47.5°	915.3	997.3	1079.2	1284.1	1748.6	3210.4	8633.8	16721.2	18305.9	18237.6
50°	901.6	983.6	1120.2	1215.8	1653.0	3128.4	8579.2	17335.9	18497.1	18483.5
52.5°	874.3	956.3	1161.2	1161.2	1530.0	3019.1	8838.7	17609.2	18538.1	18647.4
55°	833.3	956.3	1079.2	1065.6	1420.8	2882.5	9125.6	18319.5	19262.2	19234.8
57.5°	806.0	929.0	1024.6	969.9	1297.8	2786.9	9549.1	19002.6	20136.5	19945.2
60°	765.0	929.0	915.3	901.6	1202.2	2704.9	9904.3	19139.2	20327.7	20450.7
62.5°	737.7	969.9	806.0	833.3	1120.2	2663.9	9754.0	18114.6	20068.2	20177.4
65°	710.4	833.3	737.7	765.0	1092.9	2581.9	9166.6	16885.1	18947.9	19426.1
67.5°	655.7	683.1	683.1	710.4	1065.6	2390.7	7964.4	14672.0	17240.3	17499.9
70°	601.1	614.7	614.7	655.7	1038.2	2172.1	6571.0	12691.2	14958.9	15450.7
72.5°	546.4	546.4	546.4	601.1	956.3	1994.5	5409.8	9754.0	12431.6	12773.1
75°	478.1	478.1	478.1	532.8	860.6	1816.9	4262.3	7254.0	9152.9	9644.7
77.5°	423.5	423.5	409.8	478.1	751.4	1475.4	3073.7	5122.9	6448.0	6857.9
80°	355.2	341.5	341.5	382.5	587.4	1065.6	1980.9	3620.2	4494.5	4672.1
82.5°	286.9	273.2	259.6	286.9	423.5	669.4	1229.5	2527.3	2882.5	2773.2
85°	273.2	286.9	232.2	218.6	300.5	437.2	778.7	1557.4	1297.8	1297.8
87.5°	109.3	95.6	95.6	82.0	150.3	163.9	341.5	286.9	218.6	218.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)