

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: P598923

Luminaire Tested: **IFLD-M-SA4C-730-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598923
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4C-730-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (64) 3000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

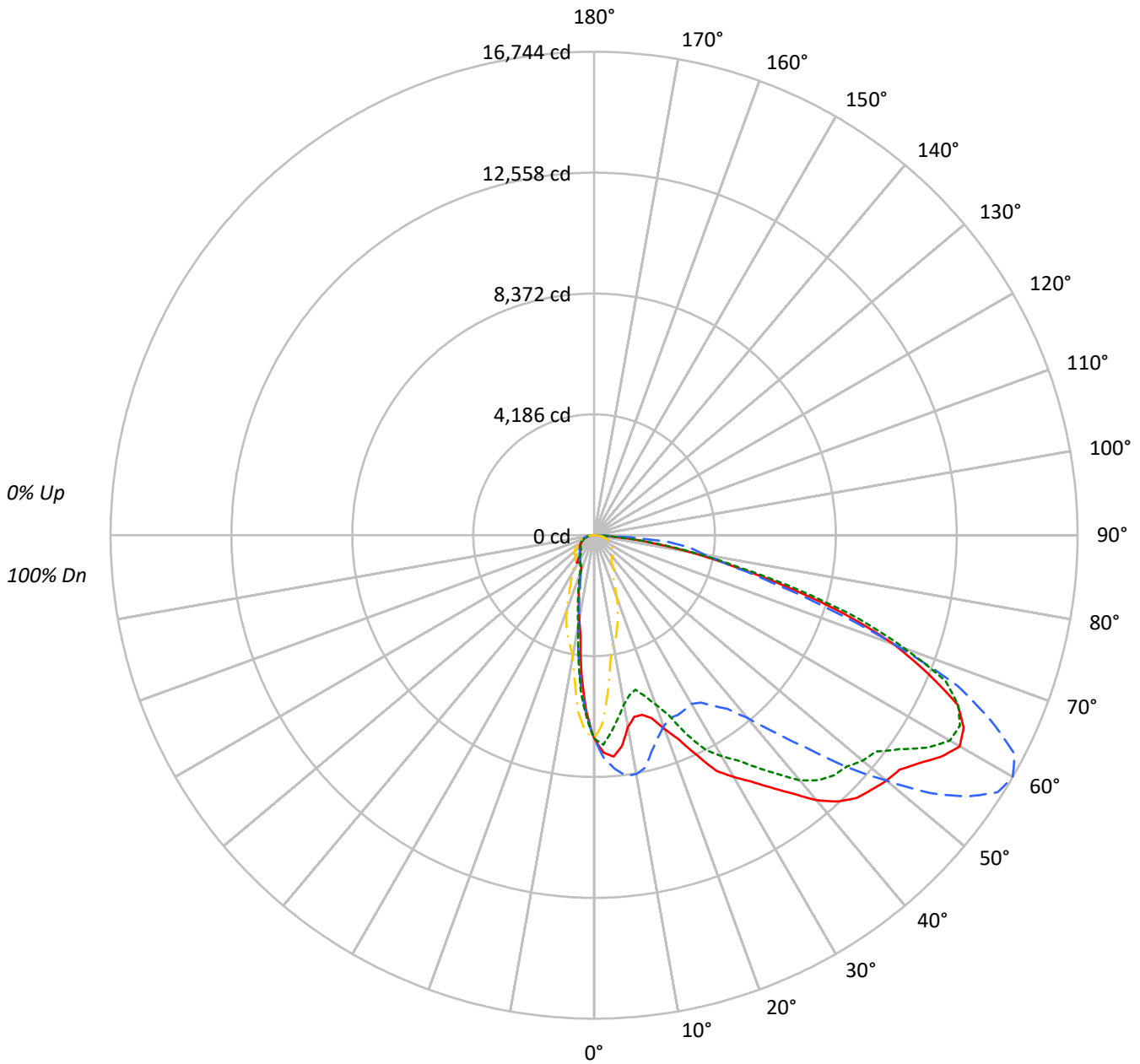
Lumens per Lamp: N/A
 Luminaire Lumens: 22022.0 lumens
 Efficiency: N/A
 Efficacy: 101.0 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 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	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°	75710	75710	75710	75710
5°	83177	73888	52989	57844
10°	73675	65026	32140	34488
15°	71740	61725	22752	23623
20°	81800	71394	14883	16449
25°	99664	90499	12994	13459
30°	120085	109764	13478	12506
35°	140049	128882	11168	10527
40°	168291	155662	10432	9884
45°	195849	178898	10558	9815
50°	221336	203341	10798	10143
55°	258127	242361	11183	10633
60°	314829	306205	11147	11147
65°	353813	354310	11446	11943
70°	347723	360022	11991	12299
75°	286832	305930	12593	13408
80°	207098	217394	13928	14536
85°	114622	123057	15685	19303

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.4	2.5
10°-20°	1153.7	5.2
20°-30°	1688.0	7.7
30°-40°	2378.3	10.8
40°-50°	3268.4	14.8
50°-60°	4454.5	20.2
60°-70°	4875.2	22.1
70°-80°	2814.7	12.8
80°-90°	842.9	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°	3388.1	15.4
0°-40°	5766.3	26.2
0°-60°	13489.3	61.3
0°-90°	22022.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22022.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7034	7034	7034	7034	7034	
5°	7698	6838	4904	5353	7698	699
15°	6438	5539	2042	2120	6438	1881
25°	8392	7620	1094	1133	8392	3930
35°	10658	9808	850	801	10658	6758
45°	12866	11752	694	645	12866	9888
55°	13755	12915	596	567	13755	12411
65°	13892	13911	449	469	13892	13296
75°	6897	7356	303	322	6897	7409
85°	928	996	127	156	928	1288
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°	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7
2.5°	7531.9	7502.6	7531.9	7639.4	7668.7	7717.5	7717.5	7649.2	7522.2	7463.6	7365.9
5°	7698.0	7649.2	7893.4	8118.1	8293.9	8274.4	8108.3	7971.5	7717.5	7336.6	6975.1
7.5°	7365.9	7414.7	7590.5	8176.7	8587.0	8665.1	8401.4	8127.8	7580.8	7053.3	6564.8
10°	6740.6	6809.0	7190.0	7795.7	8440.5	8567.5	8401.4	8069.2	7414.7	6760.2	6193.6
12.5°	6437.8	6594.1	6818.8	7551.5	8010.6	8313.5	8235.3	8020.4	7287.7	6516.0	5968.9
15°	6437.8	6476.9	6809.0	7424.5	7688.2	7698.0	7727.3	7766.4	7326.8	6623.4	5890.7
17.5°	6643.0	6750.4	7033.7	7414.7	7463.6	7346.3	7346.3	7512.4	7404.9	6926.3	6174.0
20°	7141.2	7102.1	7473.3	7629.6	7365.9	7072.8	7043.5	7326.8	7492.9	7248.6	6691.8
22.5°	7639.4	7815.2	8118.1	7766.4	7277.9	6887.2	6848.1	7199.8	7756.6	7805.5	7287.7
25°	8391.6	8567.5	8723.8	8293.9	7268.2	6838.3	6867.6	7141.2	8079.0	8596.8	8284.2
27.5°	9202.4	9309.9	9534.6	8870.3	7502.6	6779.7	6809.0	7219.3	8381.8	9114.5	9065.7
30°	9661.6	9778.8	9730.0	8977.8	7658.9	6818.8	6740.6	7326.8	8215.8	9114.5	9573.7
32.5°	10111.0	10042.6	10013.3	9153.6	7854.3	7063.0	6867.6	7551.5	8313.5	9261.1	10228.2
35°	10658.0	10560.3	10482.2	9495.5	8176.7	7297.5	7209.6	7844.5	8528.4	9563.9	10755.7
37.5°	11263.7	11263.7	10882.7	9749.5	8557.7	7678.5	7580.8	8264.6	8870.3	9749.5	11478.6
40°	11976.9	12006.2	11332.1	10091.4	8987.5	8284.2	8254.8	8811.7	9202.4	10023.0	12172.2
42.5°	12504.4	12523.9	11722.9	10218.4	9485.7	9124.3	9251.3	9690.9	9583.4	10267.3	12221.1
45°	12865.8	12768.1	11996.4	10579.9	10032.8	10384.5	10423.6	10550.6	10081.7	10413.8	12416.5
47.5°	13041.7	13022.1	12113.6	10999.9	11185.6	11664.2	11888.9	11713.1	10540.8	10257.5	12416.5
50°	13217.5	13051.4	12221.1	11576.3	12309.0	13276.1	13227.3	12904.9	11175.8	10452.9	12230.8
52.5°	13334.7	13188.2	12436.0	12094.1	13383.6	14477.7	14673.1	14077.2	11918.2	10814.3	12318.8
55°	13754.8	13637.6	13080.8	12797.5	14624.3	15747.7	15777.0	14946.6	12699.8	11410.2	12895.1
57.5°	14262.8	14331.2	13969.7	13793.9	15571.9	16675.8	16568.3	15591.4	13364.1	12133.2	13559.4
60°	14624.3	14731.7	14643.8	14663.3	16040.8	16988.4	16744.1	15991.9	13852.5	12680.2	14370.3
62.5°	14428.9	14643.8	15005.3	14927.1	16060.3	16763.7	16421.8	15464.4	13911.1	13393.4	14985.7
65°	13891.6	13911.1	14614.5	15044.3	15181.1	15601.2	15151.8	14360.5	13305.4	13833.0	14897.8
67.5°	12514.1	12670.5	13305.4	14145.6	13569.2	13666.9	13627.8	12484.8	12387.2	13530.1	14223.7
70°	11048.8	11156.3	11849.9	12836.5	11459.1	10999.9	11087.9	10238.0	10638.5	12592.3	12865.8
72.5°	9134.1	9202.4	9993.7	10863.2	9192.7	8372.1	8577.2	7883.6	8450.2	11019.5	10853.4
75°	6896.9	7023.9	7639.4	8665.1	6769.9	6242.4	6447.6	6164.3	6691.8	9075.4	8420.9
77.5°	4904.1	4806.4	5568.4	6779.7	5089.7	4777.1	4796.6	4845.4	5412.1	7649.2	6047.0
80°	3341.0	3370.3	4054.2	4972.4	3995.5	3946.7	3897.8	4288.6	4542.6	6056.8	4396.1
82.5°	1983.1	1983.1	2735.3	3536.4	3155.4	3555.9	3331.2	3682.9	3555.9	4454.7	2881.9
85°	928.1	928.1	1406.7	2549.7	2442.3	2930.7	2491.1	2784.2	2627.9	3106.6	1299.3
87.5°	156.3	136.8	283.3	1250.4	1006.2	1143.0	449.4	1484.9	1651.0	2168.7	322.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7
2.5°	7258.4	7190.0	7053.3	6877.4	6730.9	6545.3	6486.6	6359.6	6183.8	6164.3	6086.1
5°	6838.3	6603.9	6310.8	5949.3	5705.1	5451.1	5236.2	5109.2	4962.7	4943.1	4904.1
7.5°	6379.2	6086.1	5597.7	5167.8	4747.8	4347.2	4151.8	3907.6	3741.5	3614.5	3555.9
10°	5949.3	5675.8	5070.1	4484.0	4112.8	3849.0	3614.5	3360.6	3155.4	2999.1	2940.5
12.5°	5666.0	5343.7	4689.1	4132.3	3858.8	3555.9	3292.2	3018.6	2754.9	2549.7	2442.3
15°	5539.0	5236.2	4571.9	3956.5	3555.9	3135.9	2833.0	2559.5	2237.1	2090.6	2041.7
17.5°	5841.9	5392.5	4532.8	3751.3	3184.7	2706.0	2334.8	2041.7	1807.3	1660.7	1602.1
20°	6232.7	5675.8	4601.2	3507.1	2833.0	2295.7	1885.4	1572.8	1416.5	1309.1	1299.3
22.5°	6730.9	6095.9	4708.7	3331.2	2442.3	1846.3	1475.1	1289.5	1182.1	1172.3	1152.7
25°	7619.9	6857.9	4884.5	3096.8	2129.7	1524.0	1260.2	1152.7	1103.9	1074.6	1094.1
27.5°	8381.8	7356.1	5011.5	2950.3	2002.7	1436.0	1221.1	1103.9	1055.1	1045.3	1055.1
30°	8831.2	7815.2	4972.4	2676.7	1748.7	1367.7	1299.3	1260.2	1162.5	1084.4	1084.4
32.5°	9241.5	8108.3	4962.7	2432.5	1494.7	1143.0	1084.4	1055.1	1113.7	1152.7	1123.4
35°	9808.1	8567.5	4933.4	2295.7	1387.2	1055.1	957.4	879.2	840.1	820.6	849.9
37.5°	10413.8	8880.1	4855.2	2276.2	1328.6	1006.2	928.1	849.9	810.8	791.3	781.5
40°	11078.1	9212.2	4767.3	2178.5	1299.3	976.9	898.8	830.4	781.5	752.2	742.4
42.5°	11507.9	9476.0	4679.4	2129.7	1240.7	957.4	869.4	810.8	762.0	722.9	722.9
45°	11752.2	9788.6	4591.5	2080.8	1172.3	967.1	869.4	791.3	732.7	713.1	693.6
47.5°	11859.6	10023.0	4562.1	2002.7	1113.7	928.1	849.9	771.8	713.1	674.1	664.3
50°	12142.9	10521.3	4669.6	1944.0	1045.3	889.0	898.8	762.0	703.4	654.5	644.8
52.5°	12309.0	10921.8	4904.1	1856.1	996.4	840.1	879.2	742.4	674.1	625.2	625.2
55°	12914.7	11586.1	5158.1	1787.7	937.8	771.8	810.8	703.4	625.2	595.9	595.9
57.5°	13686.4	12289.5	5373.0	1758.4	898.8	722.9	722.9	683.8	595.9	556.8	547.1
60°	14223.7	12865.8	5500.0	1738.9	859.7	674.1	644.8	683.8	566.6	527.5	517.8
62.5°	14282.3	12533.7	5373.0	1729.1	849.9	625.2	586.1	654.5	537.3	498.2	478.7
65°	13911.1	11859.6	5021.3	1690.0	840.1	576.4	547.1	566.6	498.2	468.9	449.4
67.5°	13168.7	10765.5	4513.3	1670.5	830.4	537.3	498.2	488.5	459.1	429.8	410.3
70°	11439.6	9339.2	3917.4	1582.6	810.8	508.0	449.4	439.6	410.3	390.8	381.0
72.5°	9603.0	7639.4	3233.6	1465.4	771.8	459.1	410.3	390.8	381.0	351.7	341.9
75°	7356.1	5881.0	2588.8	1299.3	674.1	410.3	361.5	341.9	332.1	312.6	302.8
77.5°	5167.8	4376.5	1914.7	1055.1	566.6	371.2	322.4	302.8	293.1	263.8	263.8
80°	3507.1	3067.5	1299.3	732.7	439.6	302.8	283.3	263.8	244.2	224.7	224.7
82.5°	2178.5	2149.2	937.8	478.7	322.4	244.2	224.7	224.7	195.4	175.8	175.8
85°	996.4	1318.8	654.5	332.1	244.2	185.6	185.6	175.8	156.3	127.0	127.0
87.5°	312.6	439.6	341.9	146.5	136.8	107.5	107.5	97.7	97.7	78.2	78.2
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°	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7
2.5°	6164.3	6154.5	6154.5	6115.4	6213.1	6213.1	6271.7	6222.9	6252.2	6262.0	6340.1
5°	4894.3	4972.4	5031.1	5148.3	5216.7	5246.0	5246.0	5324.1	5294.8	5353.4	5470.7
7.5°	3585.2	3682.9	3858.8	4005.3	4122.5	4161.6	4151.8	4171.4	4200.7	4132.3	4151.8
10°	2901.4	2833.0	2891.6	3028.4	3135.9	3262.9	3165.2	3155.4	3184.7	3155.4	3214.0
12.5°	2422.7	2344.6	2295.7	2295.7	2373.9	2432.5	2403.2	2452.0	2559.5	2588.8	2657.2
15°	1963.6	1895.2	1856.1	1807.3	1885.4	1905.0	1934.3	2002.7	2080.8	2119.9	2198.0
17.5°	1572.8	1572.8	1572.8	1533.7	1563.0	1592.4	1602.1	1690.0	1699.8	1738.9	1768.2
20°	1289.5	1318.8	1367.7	1387.2	1416.5	1416.5	1397.0	1445.8	1406.7	1436.0	1455.6
22.5°	1162.5	1201.6	1221.1	1230.9	1270.0	1279.7	1230.9	1240.7	1250.4	1221.1	1230.9
25°	1094.1	1113.7	1094.1	1103.9	1113.7	1094.1	1103.9	1123.4	1113.7	1133.2	1123.4
27.5°	1064.8	1045.3	1035.5	1025.7	1025.7	1006.2	1016.0	1016.0	1035.5	1045.3	1045.3
30°	1064.8	1035.5	996.4	967.1	967.1	937.8	957.4	976.9	986.7	1006.2	1006.2
32.5°	1094.1	1035.5	967.1	937.8	908.5	889.0	908.5	937.8	976.9	986.7	996.4
35°	869.4	898.8	889.0	849.9	840.1	840.1	830.4	830.4	801.1	801.1	791.3
37.5°	781.5	771.8	791.3	801.1	810.8	781.5	781.5	742.4	732.7	742.4	742.4
40°	732.7	732.7	732.7	762.0	771.8	752.2	722.9	703.4	703.4	703.4	713.1
42.5°	713.1	693.6	683.8	703.4	732.7	713.1	683.8	674.1	674.1	683.8	683.8
45°	683.8	674.1	664.3	654.5	693.6	664.3	654.5	644.8	644.8	644.8	654.5
47.5°	654.5	644.8	625.2	625.2	635.0	625.2	615.4	615.4	615.4	635.0	635.0
50°	635.0	625.2	605.7	605.7	605.7	605.7	595.9	595.9	595.9	605.7	615.4
52.5°	605.7	595.9	586.1	576.4	576.4	576.4	576.4	576.4	576.4	586.1	595.9
55°	576.4	566.6	556.8	556.8	566.6	566.6	556.8	566.6	556.8	566.6	576.4
57.5°	547.1	537.3	527.5	537.3	547.1	537.3	537.3	537.3	537.3	537.3	547.1
60°	508.0	508.0	508.0	508.0	527.5	527.5	527.5	527.5	508.0	517.8	527.5
62.5°	488.5	478.7	478.7	488.5	498.2	498.2	508.0	498.2	488.5	498.2	498.2
65°	449.4	449.4	449.4	459.1	459.1	468.9	468.9	468.9	459.1	468.9	468.9
67.5°	420.1	420.1	420.1	420.1	439.6	439.6	439.6	439.6	429.8	429.8	439.6
70°	371.2	381.0	371.2	390.8	410.3	400.5	410.3	410.3	400.5	390.8	410.3
72.5°	341.9	341.9	341.9	341.9	371.2	371.2	371.2	381.0	371.2	361.5	371.2
75°	302.8	302.8	302.8	312.6	332.1	332.1	332.1	332.1	332.1	322.4	322.4
77.5°	263.8	273.5	263.8	273.5	293.1	283.3	293.1	302.8	293.1	283.3	283.3
80°	224.7	224.7	224.7	234.5	244.2	244.2	244.2	254.0	244.2	234.5	234.5
82.5°	175.8	175.8	185.6	185.6	195.4	195.4	195.4	205.1	195.4	185.6	185.6
85°	136.8	136.8	136.8	146.5	146.5	156.3	156.3	166.1	166.1	156.3	156.3
87.5°	87.9	78.2	87.9	87.9	97.7	97.7	87.9	78.2	87.9	78.2	68.4
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: P598923
 CATALOG NUMBER: IFLD-M-SA4C-730-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7
2.5°	6418.3	6594.1	6721.1	6809.0	6936.0	7180.2	7277.9	7453.8	7502.6	7531.9
5°	5519.5	5705.1	5978.7	6174.0	6398.7	6857.9	7209.6	7473.3	7590.5	7698.0
7.5°	4327.7	4571.9	4855.2	5109.2	5480.4	6047.0	6506.2	7053.3	7258.4	7365.9
10°	3380.1	3604.8	3917.4	4230.0	4747.8	5226.4	5881.0	6379.2	6662.5	6740.6
12.5°	2852.6	3116.3	3487.5	3868.5	4190.9	4738.0	5402.3	6125.2	6389.0	6437.8
15°	2422.7	2784.2	3165.2	3555.9	3927.2	4405.8	5119.0	5998.2	6389.0	6437.8
17.5°	2002.7	2325.0	2774.4	3194.5	3624.3	4278.8	5167.8	6105.7	6496.4	6643.0
20°	1592.4	1905.0	2256.6	2784.2	3370.3	4063.9	5275.3	6467.1	6984.9	7141.2
22.5°	1318.8	1455.6	1797.5	2305.5	2999.1	3917.4	5382.7	7033.7	7580.8	7639.4
25°	1152.7	1250.4	1465.4	1944.0	2706.0	3819.7	5636.7	7688.2	8391.6	8391.6
27.5°	1074.6	1113.7	1260.2	1690.0	2500.9	3731.8	5890.7	8411.1	9065.7	9202.4
30°	1055.1	1152.7	1230.9	1504.4	2276.2	3487.5	6125.2	8977.8	9651.8	9661.6
32.5°	1035.5	1016.0	1074.6	1309.1	2002.7	3233.6	6320.6	9554.1	10081.7	10111.0
35°	810.8	849.9	947.6	1152.7	1797.5	3047.9	6418.3	9866.7	10628.7	10658.0
37.5°	762.0	810.8	889.0	1064.8	1660.7	2891.6	6447.6	10472.4	11205.1	11263.7
40°	742.4	781.5	840.1	986.7	1553.3	2696.3	6506.2	11097.6	12055.0	11976.9
42.5°	703.4	752.2	810.8	947.6	1465.4	2549.7	6516.0	11439.6	12504.4	12504.4
45°	693.6	722.9	791.3	947.6	1367.7	2422.7	6359.6	11781.5	13022.1	12865.8
47.5°	654.5	713.1	771.8	918.3	1250.4	2295.7	6174.0	11957.3	13090.5	13041.7
50°	644.8	703.4	801.1	869.4	1182.1	2237.1	6135.0	12396.9	13227.3	13217.5
52.5°	625.2	683.8	830.4	830.4	1094.1	2159.0	6320.6	12592.3	13256.6	13334.7
55°	595.9	683.8	771.8	762.0	1016.0	2061.3	6525.7	13100.3	13774.4	13754.8
57.5°	576.4	664.3	732.7	693.6	928.1	1992.9	6828.6	13588.7	14399.6	14262.8
60°	547.1	664.3	654.5	644.8	859.7	1934.3	7082.6	13686.4	14536.3	14624.3
62.5°	527.5	693.6	576.4	595.9	801.1	1905.0	6975.1	12953.8	14350.7	14428.9
65°	508.0	595.9	527.5	547.1	781.5	1846.3	6555.0	12074.5	13549.7	13891.6
67.5°	468.9	488.5	488.5	508.0	762.0	1709.6	5695.4	10492.0	12328.5	12514.1
70°	429.8	439.6	439.6	468.9	742.4	1553.3	4698.9	9075.4	10697.1	11048.8
72.5°	390.8	390.8	390.8	429.8	683.8	1426.3	3868.5	6975.1	8889.8	9134.1
75°	341.9	341.9	341.9	381.0	615.4	1299.3	3047.9	5187.4	6545.3	6896.9
77.5°	302.8	302.8	293.1	341.9	537.3	1055.1	2198.0	3663.4	4611.0	4904.1
80°	254.0	244.2	244.2	273.5	420.1	762.0	1416.5	2588.8	3214.0	3341.0
82.5°	205.1	195.4	185.6	205.1	302.8	478.7	879.2	1807.3	2061.3	1983.1
85°	195.4	205.1	166.1	156.3	214.9	312.6	556.8	1113.7	928.1	928.1
87.5°	78.2	68.4	68.4	58.6	107.5	117.2	244.2	205.1	156.3	156.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)