

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: P599100

Luminaire Tested: **IFLD-L-SA7A-830-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599100
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7A-830-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (112) 3000K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

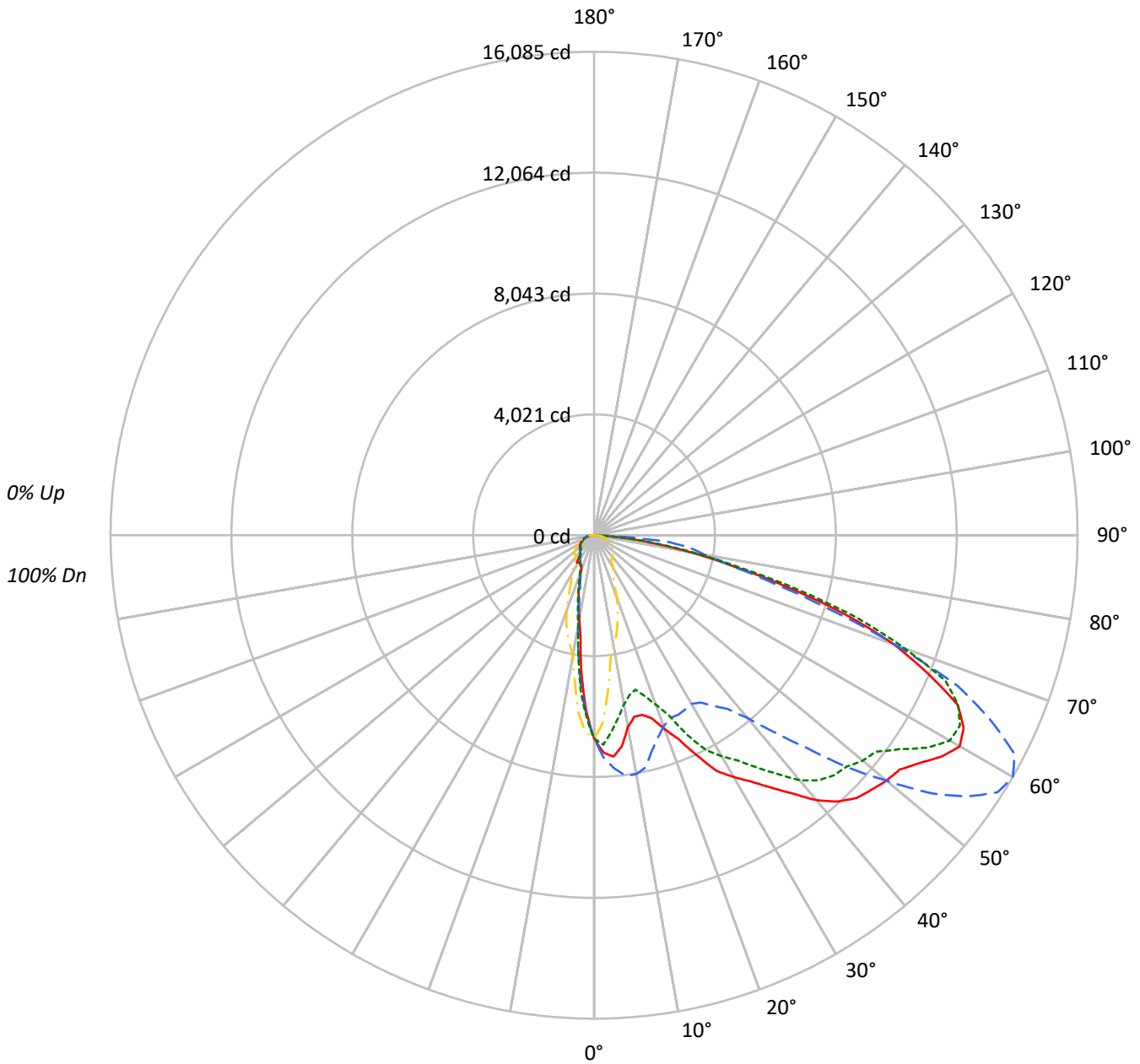
Lumens per Lamp: N/A
 Luminaire Lumens: 21155.7 lumens
 Efficiency: N/A
 Efficacy: 97.2 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 217.6
 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	100	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77	77	77	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60	60	60	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47	47	47	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	38	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31	31	31	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26	26	26	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22	22	22	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19	19	19	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17	17	17	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15	15	15	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	36366	36366	36366	36366
5°	39953	35491	25452	27784
10°	35388	31234	15437	16566
15°	34459	29648	10929	11347
20°	39291	34293	7149	7901
25°	47872	43469	6242	6464
30°	57680	52723	6474	6007
35°	67270	61906	5365	5056
40°	80835	74769	5011	4747
45°	94073	85929	5071	4714
50°	106315	97671	5186	4872
55°	123986	116413	5372	5107
60°	151222	147080	5354	5354
65°	169947	170187	5498	5737
70°	167021	172928	5759	5907
75°	137775	146947	6049	6440
80°	99477	104420	6688	6980
85°	55057	59108	7534	9275

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.9	2.5
10°-20°	1108.3	5.2
20°-30°	1621.6	7.7
30°-40°	2284.7	10.8
40°-50°	3139.8	14.8
50°-60°	4279.3	20.2
60°-70°	4683.4	22.1
70°-80°	2703.9	12.8
80°-90°	809.7	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°	3254.8	15.4
0°-40°	5539.5	26.2
0°-60°	12958.6	61.3
0°-90°	21155.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21155.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6757	6757	6757	6757	6757	
5°	7395	6569	4711	5143	7395	672
15°	6184	5321	1961	2036	6184	1807
25°	8062	7320	1051	1089	8062	3775
35°	10239	9422	816	770	10239	6492
45°	12360	11290	666	619	12360	9499
55°	13214	12407	572	544	13214	11923
65°	13345	13364	432	450	13345	12773
75°	6626	7067	291	310	6626	7117
85°	892	957	122	150	892	1237
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°	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0
2.5°	7235.6	7207.5	7235.6	7338.9	7367.0	7413.9	7413.9	7348.3	7226.2	7169.9	7076.1
5°	7395.2	7348.3	7582.9	7798.7	7967.6	7948.9	7789.3	7657.9	7413.9	7047.9	6700.7
7.5°	7076.1	7123.0	7291.9	7855.0	8249.2	8324.3	8070.9	7808.1	7282.6	6775.8	6306.5
10°	6475.5	6541.2	6907.2	7489.0	8108.4	8230.4	8070.9	7751.8	7123.0	6494.2	5949.9
12.5°	6184.5	6334.7	6550.5	7254.4	7695.5	7986.4	7911.3	7704.9	7001.0	6259.6	5734.1
15°	6184.5	6222.1	6541.2	7132.4	7385.8	7395.2	7423.3	7460.9	7038.6	6362.9	5659.0
17.5°	6381.6	6484.9	6757.0	7123.0	7169.9	7057.3	7057.3	7216.9	7113.6	6653.8	5931.2
20°	6860.2	6822.7	7179.3	7329.5	7076.1	6794.6	6766.4	7038.6	7198.1	6963.5	6428.5
22.5°	7338.9	7507.8	7798.7	7460.9	6991.6	6616.2	6578.7	6916.6	7451.5	7498.4	7001.0
25°	8061.5	8230.4	8380.6	7967.6	6982.2	6569.3	6597.5	6860.2	7761.2	8258.6	7958.3
27.5°	8840.4	8943.7	9159.5	8521.3	7207.5	6513.0	6541.2	6935.3	8052.1	8756.0	8709.0
30°	9281.5	9394.1	9347.2	8624.6	7357.6	6550.5	6475.5	7038.6	7892.6	8756.0	9197.0
32.5°	9713.2	9647.5	9619.4	8793.5	7545.3	6785.2	6597.5	7254.4	7986.4	8896.7	9825.8
35°	10238.7	10144.9	10069.8	9122.0	7855.0	7010.4	6925.9	7535.9	8192.9	9187.7	10332.6
37.5°	10820.6	10820.6	10454.6	9366.0	8221.0	7376.4	7282.6	7939.5	8521.3	9366.0	11027.1
40°	11505.7	11533.8	10886.3	9694.4	8634.0	7958.3	7930.1	8465.0	8840.4	9628.7	11693.4
42.5°	12012.5	12031.2	11261.7	9816.4	9112.6	8765.3	8887.3	9309.7	9206.4	9863.4	11740.3
45°	12359.7	12265.9	11524.5	10163.7	9638.1	9976.0	10013.5	10135.5	9685.0	10004.1	11928.0
47.5°	12528.6	12509.9	11637.1	10567.2	10745.5	11205.4	11421.2	11252.3	10126.1	9854.0	11928.0
50°	12697.6	12538.0	11740.3	11120.9	11824.8	12753.9	12706.9	12397.2	10736.1	10041.7	11749.7
52.5°	12810.2	12669.4	11946.8	11618.3	12857.1	13908.2	14095.9	13523.4	11449.4	10388.9	11834.2
55°	13213.7	13101.1	12566.2	12294.0	14049.0	15128.2	15156.4	14358.6	12200.2	10961.4	12387.9
57.5°	13701.7	13767.4	13420.2	13251.3	14959.3	16019.7	15916.5	14978.0	12838.3	11655.8	13026.0
60°	14049.0	14152.2	14067.7	14086.5	15409.7	16320.1	16085.4	15362.8	13307.6	12181.4	13805.0
62.5°	13861.3	14067.7	14415.0	14339.9	15428.5	16104.2	15775.7	14856.0	13363.9	12866.5	14396.2
65°	13345.1	13363.9	14039.6	14452.5	14583.9	14987.4	14555.7	13795.6	12782.0	13288.8	14311.7
67.5°	12021.8	12172.0	12782.0	13589.1	13035.4	13129.2	13091.7	11993.7	11899.8	12997.9	13664.2
70°	10614.1	10717.4	11383.7	12331.5	11008.3	10567.2	10651.7	9835.2	10220.0	12096.9	12359.7
72.5°	8774.7	8840.4	9600.6	10435.8	8831.0	8042.7	8239.8	7573.5	8117.8	10586.0	10426.4
75°	6625.6	6747.6	7338.9	8324.3	6503.6	5996.8	6193.9	5921.8	6428.5	8718.4	8089.6
77.5°	4711.1	4617.3	5349.3	6513.0	4889.4	4589.1	4607.9	4654.8	5199.1	7348.3	5809.2
80°	3209.6	3237.7	3894.7	4776.8	3838.4	3791.4	3744.5	4119.9	4363.9	5818.5	4223.1
82.5°	1905.1	1905.1	2627.7	3397.3	3031.3	3416.0	3200.2	3538.0	3416.0	4279.4	2768.5
85°	891.6	891.6	1351.4	2449.4	2346.2	2815.4	2393.1	2674.7	2524.5	2984.3	1248.2
87.5°	150.2	131.4	272.2	1201.2	966.6	1098.0	431.7	1426.5	1586.0	2083.4	309.7
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°	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0
2.5°	6972.9	6907.2	6775.8	6606.9	6466.1	6287.8	6231.5	6109.5	5940.5	5921.8	5846.7
5°	6569.3	6344.1	6062.5	5715.3	5480.7	5236.7	5030.2	4908.2	4767.4	4748.7	4711.1
7.5°	6128.2	5846.7	5377.5	4964.5	4561.0	4176.2	3988.5	3753.9	3594.4	3472.4	3416.0
10°	5715.3	5452.5	4870.7	4307.6	3951.0	3697.6	3472.4	3228.3	3031.3	2881.1	2824.8
12.5°	5443.1	5133.5	4504.7	3969.7	3707.0	3416.0	3162.7	2899.9	2646.5	2449.4	2346.2
15°	5321.1	5030.2	4392.1	3800.8	3416.0	3012.5	2721.6	2458.8	2149.1	2008.3	1961.4
17.5°	5612.1	5180.4	4354.5	3603.7	3059.4	2599.6	2243.0	1961.4	1736.2	1595.4	1539.1
20°	5987.5	5452.5	4420.2	3369.1	2721.6	2205.4	1811.3	1510.9	1360.8	1257.6	1248.2
22.5°	6466.1	5856.1	4523.4	3200.2	2346.2	1773.7	1417.1	1238.8	1135.6	1126.2	1107.4
25°	7320.1	6588.1	4692.4	2975.0	2045.9	1464.0	1210.6	1107.4	1060.5	1032.3	1051.1
27.5°	8052.1	7066.7	4814.4	2834.2	1923.9	1379.6	1173.1	1060.5	1013.6	1004.2	1013.6
30°	8483.8	7507.8	4776.8	2571.4	1679.9	1313.9	1248.2	1210.6	1116.8	1041.7	1041.7
32.5°	8878.0	7789.3	4767.4	2336.8	1435.9	1098.0	1041.7	1013.6	1069.9	1107.4	1079.2
35°	9422.3	8230.4	4739.3	2205.4	1332.6	1013.6	919.7	844.6	807.1	788.3	816.5
37.5°	10004.1	8530.7	4664.2	2186.6	1276.3	966.6	891.6	816.5	778.9	760.2	750.8
40°	10642.3	8849.8	4579.8	2092.8	1248.2	938.5	863.4	797.7	750.8	722.6	713.2
42.5°	11055.2	9103.2	4495.3	2045.9	1191.9	919.7	835.2	778.9	732.0	694.5	694.5
45°	11289.8	9403.5	4410.8	1998.9	1126.2	929.1	835.2	760.2	703.9	685.1	666.3
47.5°	11393.1	9628.7	4382.7	1923.9	1069.9	891.6	816.5	741.4	685.1	647.5	638.2
50°	11665.2	10107.4	4485.9	1867.6	1004.2	854.0	863.4	732.0	675.7	628.8	619.4
52.5°	11824.8	10492.1	4711.1	1783.1	957.2	807.1	844.6	713.2	647.5	600.6	600.6
55°	12406.6	11130.3	4955.1	1717.4	900.9	741.4	778.9	675.7	600.6	572.5	572.5
57.5°	13148.0	11806.0	5161.6	1689.3	863.4	694.5	694.5	656.9	572.5	534.9	525.5
60°	13664.2	12359.7	5283.6	1670.5	825.9	647.5	619.4	656.9	544.3	506.8	497.4
62.5°	13720.5	12040.6	5161.6	1661.1	816.5	600.6	563.1	628.8	516.2	478.6	459.9
65°	13363.9	11393.1	4823.8	1623.6	807.1	553.7	525.5	544.3	478.6	450.5	431.7
67.5°	12650.6	10342.0	4335.7	1604.8	797.7	516.2	478.6	469.2	441.1	412.9	394.2
70°	10989.5	8971.8	3763.3	1520.3	778.9	488.0	431.7	422.3	394.2	375.4	366.0
72.5°	9225.2	7338.9	3106.3	1407.7	741.4	441.1	394.2	375.4	366.0	337.9	328.5
75°	7066.7	5649.6	2487.0	1248.2	647.5	394.2	347.2	328.5	319.1	300.3	290.9
77.5°	4964.5	4204.4	1839.4	1013.6	544.3	356.6	309.7	290.9	281.5	253.4	253.4
80°	3369.1	2946.8	1248.2	703.9	422.3	290.9	272.2	253.4	234.6	215.8	215.8
82.5°	2092.8	2064.6	900.9	459.9	309.7	234.6	215.8	215.8	187.7	168.9	168.9
85°	957.2	1266.9	628.8	319.1	234.6	178.3	178.3	168.9	150.2	122.0	122.0
87.5°	300.3	422.3	328.5	140.8	131.4	103.2	103.2	93.8	93.8	75.1	75.1
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°	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0
2.5°	5921.8	5912.4	5912.4	5874.8	5968.7	5968.7	6025.0	5978.1	6006.2	6015.6	6090.7
5°	4701.8	4776.8	4833.1	4945.8	5011.5	5039.6	5039.6	5114.7	5086.5	5142.8	5255.5
7.5°	3444.2	3538.0	3707.0	3847.7	3960.4	3997.9	3988.5	4007.3	4035.4	3969.7	3988.5
10°	2787.3	2721.6	2777.9	2909.3	3012.5	3134.5	3040.7	3031.3	3059.4	3031.3	3087.6
12.5°	2327.4	2252.3	2205.4	2205.4	2280.5	2336.8	2308.6	2355.6	2458.8	2487.0	2552.6
15°	1886.3	1820.6	1783.1	1736.2	1811.3	1830.0	1858.2	1923.9	1998.9	2036.5	2111.6
17.5°	1510.9	1510.9	1510.9	1473.4	1501.6	1529.7	1539.1	1623.6	1632.9	1670.5	1698.6
20°	1238.8	1266.9	1313.9	1332.6	1360.8	1360.8	1342.0	1388.9	1351.4	1379.6	1398.3
22.5°	1116.8	1154.3	1173.1	1182.5	1220.0	1229.4	1182.5	1191.9	1201.2	1173.1	1182.5
25°	1051.1	1069.9	1051.1	1060.5	1069.9	1051.1	1060.5	1079.2	1069.9	1088.6	1079.2
27.5°	1022.9	1004.2	994.8	985.4	985.4	966.6	976.0	976.0	994.8	1004.2	1004.2
30°	1022.9	994.8	957.2	929.1	929.1	900.9	919.7	938.5	947.9	966.6	966.6
32.5°	1051.1	994.8	929.1	900.9	872.8	854.0	872.8	900.9	938.5	947.9	957.2
35°	835.2	863.4	854.0	816.5	807.1	807.1	797.7	797.7	769.5	769.5	760.2
37.5°	750.8	741.4	760.2	769.5	778.9	750.8	750.8	713.2	703.9	713.2	713.2
40°	703.9	703.9	703.9	732.0	741.4	722.6	694.5	675.7	675.7	675.7	685.1
42.5°	685.1	666.3	656.9	675.7	703.9	685.1	656.9	647.5	647.5	656.9	656.9
45°	656.9	647.5	638.2	628.8	666.3	638.2	628.8	619.4	619.4	619.4	628.8
47.5°	628.8	619.4	600.6	600.6	610.0	600.6	591.2	591.2	591.2	610.0	610.0
50°	610.0	600.6	581.9	581.9	581.9	581.9	572.5	572.5	572.5	581.9	591.2
52.5°	581.9	572.5	563.1	553.7	553.7	553.7	553.7	553.7	553.7	563.1	572.5
55°	553.7	544.3	534.9	534.9	544.3	544.3	534.9	544.3	534.9	544.3	553.7
57.5°	525.5	516.2	506.8	516.2	525.5	516.2	516.2	516.2	516.2	516.2	525.5
60°	488.0	488.0	488.0	488.0	506.8	506.8	506.8	506.8	488.0	497.4	506.8
62.5°	469.2	459.9	459.9	469.2	478.6	478.6	488.0	478.6	469.2	478.6	478.6
65°	431.7	431.7	431.7	441.1	441.1	450.5	450.5	450.5	441.1	450.5	450.5
67.5°	403.5	403.5	403.5	403.5	422.3	422.3	422.3	422.3	412.9	412.9	422.3
70°	356.6	366.0	356.6	375.4	394.2	384.8	394.2	394.2	384.8	375.4	394.2
72.5°	328.5	328.5	328.5	328.5	356.6	356.6	356.6	366.0	356.6	347.2	356.6
75°	290.9	290.9	290.9	300.3	319.1	319.1	319.1	319.1	319.1	309.7	309.7
77.5°	253.4	262.8	253.4	262.8	281.5	272.2	281.5	290.9	281.5	272.2	272.2
80°	215.8	215.8	215.8	225.2	234.6	234.6	234.6	244.0	234.6	225.2	225.2
82.5°	168.9	168.9	178.3	178.3	187.7	187.7	187.7	197.1	187.7	178.3	178.3
85°	131.4	131.4	131.4	140.8	140.8	150.2	150.2	159.5	159.5	150.2	150.2
87.5°	84.5	75.1	84.5	84.5	93.8	93.8	84.5	75.1	84.5	75.1	65.7
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: P599100
 CATALOG NUMBER: IFLD-L-SA7A-830-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0	6757.0
2.5°	6165.8	6334.7	6456.7	6541.2	6663.2	6897.8	6991.6	7160.6	7207.5	7235.6
5°	5302.4	5480.7	5743.5	5931.2	6147.0	6588.1	6925.9	7179.3	7291.9	7395.2
7.5°	4157.4	4392.1	4664.2	4908.2	5264.8	5809.2	6250.2	6775.8	6972.9	7076.1
10°	3247.1	3463.0	3763.3	4063.6	4561.0	5020.8	5649.6	6128.2	6400.4	6475.5
12.5°	2740.3	2993.7	3350.4	3716.4	4026.1	4551.6	5189.8	5884.2	6137.6	6184.5
15°	2327.4	2674.7	3040.7	3416.0	3772.7	4232.5	4917.6	5762.2	6137.6	6184.5
17.5°	1923.9	2233.6	2665.3	3068.8	3481.7	4110.5	4964.5	5865.5	6240.9	6381.6
20°	1529.7	1830.0	2167.9	2674.7	3237.7	3904.1	5067.8	6212.7	6710.1	6860.2
22.5°	1266.9	1398.3	1726.8	2214.8	2881.1	3763.3	5171.0	6757.0	7282.6	7338.9
25°	1107.4	1201.2	1407.7	1867.6	2599.6	3669.4	5415.0	7385.8	8061.5	8061.5
27.5°	1032.3	1069.9	1210.6	1623.6	2402.5	3585.0	5659.0	8080.3	8709.0	8840.4
30°	1013.6	1107.4	1182.5	1445.2	2186.6	3350.4	5884.2	8624.6	9272.1	9281.5
32.5°	994.8	976.0	1032.3	1257.6	1923.9	3106.3	6071.9	9178.3	9685.0	9713.2
35°	778.9	816.5	910.3	1107.4	1726.8	2928.0	6165.8	9478.6	10210.6	10238.7
37.5°	732.0	778.9	854.0	1022.9	1595.4	2777.9	6193.9	10060.4	10764.3	10820.6
40°	713.2	750.8	807.1	947.9	1492.2	2590.2	6250.2	10661.1	11580.8	11505.7
42.5°	675.7	722.6	778.9	910.3	1407.7	2449.4	6259.6	10989.5	12012.5	12012.5
45°	666.3	694.5	760.2	910.3	1313.9	2327.4	6109.5	11318.0	12509.9	12359.7
47.5°	628.8	685.1	741.4	882.2	1201.2	2205.4	5931.2	11486.9	12575.5	12528.6
50°	619.4	675.7	769.5	835.2	1135.6	2149.1	5893.6	11909.2	12706.9	12697.6
52.5°	600.6	656.9	797.7	797.7	1051.1	2074.0	6071.9	12096.9	12735.1	12810.2
55°	572.5	656.9	741.4	732.0	976.0	1980.2	6269.0	12584.9	13232.5	13213.7
57.5°	553.7	638.2	703.9	666.3	891.6	1914.5	6559.9	13054.2	13833.1	13701.7
60°	525.5	638.2	628.8	619.4	825.9	1858.2	6803.9	13148.0	13964.5	14049.0
62.5°	506.8	666.3	553.7	572.5	769.5	1830.0	6700.7	12444.2	13786.2	13861.3
65°	488.0	572.5	506.8	525.5	750.8	1773.7	6297.2	11599.5	13016.6	13345.1
67.5°	450.5	469.2	469.2	488.0	732.0	1642.3	5471.3	10079.2	11843.5	12021.8
70°	412.9	422.3	422.3	450.5	713.2	1492.2	4514.1	8718.4	10276.3	10614.1
72.5°	375.4	375.4	375.4	412.9	656.9	1370.2	3716.4	6700.7	8540.1	8774.7
75°	328.5	328.5	328.5	366.0	591.2	1248.2	2928.0	4983.3	6287.8	6625.6
77.5°	290.9	290.9	281.5	328.5	516.2	1013.6	2111.6	3519.3	4429.6	4711.1
80°	244.0	234.6	234.6	262.8	403.5	732.0	1360.8	2487.0	3087.6	3209.6
82.5°	197.1	187.7	178.3	197.1	290.9	459.9	844.6	1736.2	1980.2	1905.1
85°	187.7	197.1	159.5	150.2	206.5	300.3	534.9	1069.9	891.6	891.6
87.5°	75.1	65.7	65.7	56.3	103.2	112.6	234.6	197.1	150.2	150.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)