

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: P599098

Luminaire Tested: **IFLD-M-SA4D-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: P599098
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4D-830-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (64) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

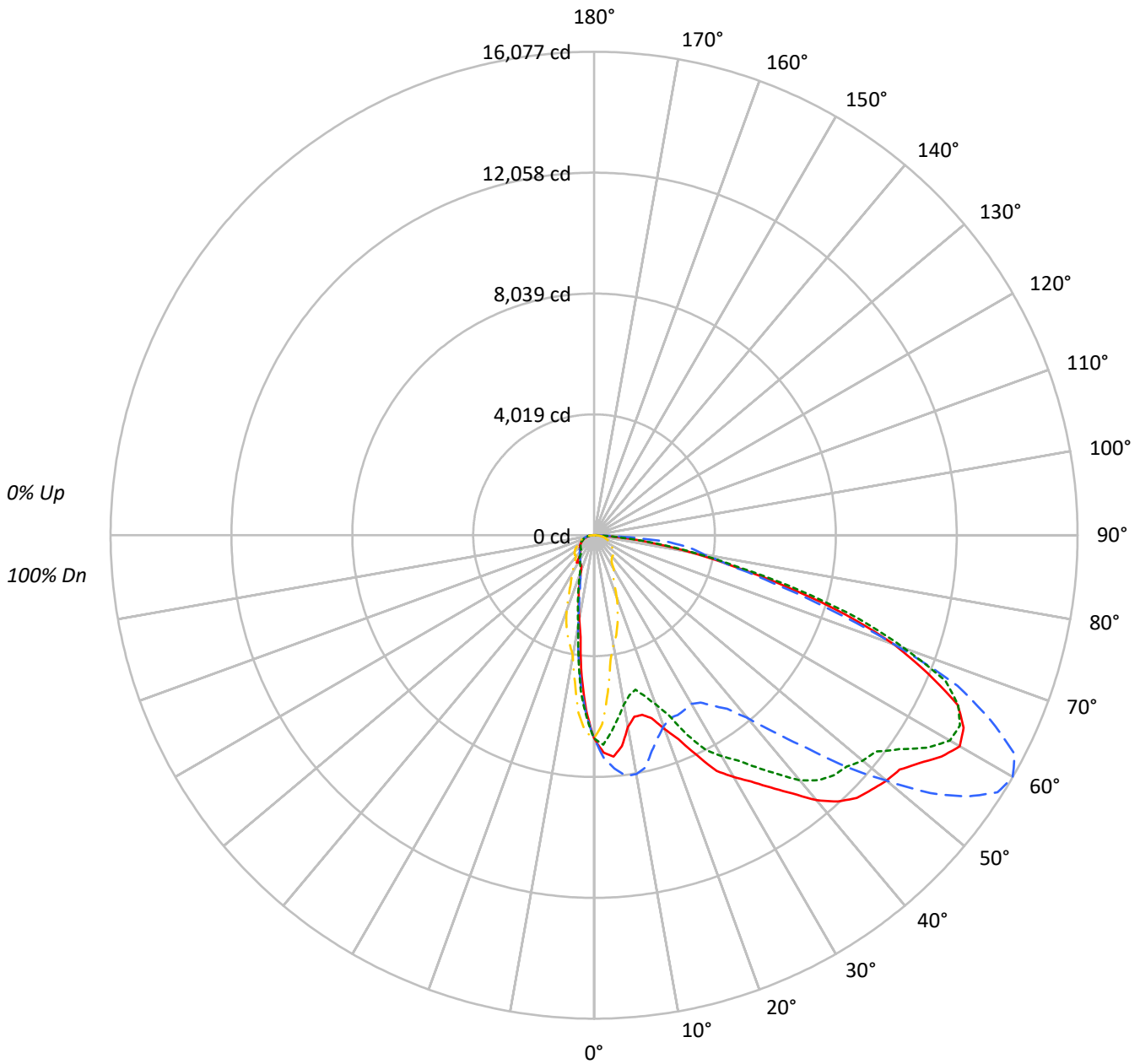
Lumens per Lamp: N/A
 Luminaire Lumens: 21144.5 lumens
 Efficiency: N/A
 Efficacy: 84.7 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

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°	72693	72693	72693	72693
5°	79863	70944	50877	55539
10°	70739	62435	30859	33115
15°	68882	59265	21846	22682
20°	78540	68548	14290	15794
25°	95693	86892	12476	12923
30°	115300	105390	12941	12008
35°	134469	123746	10722	10106
40°	161584	149459	10017	9489
45°	188045	171769	10138	9424
50°	212516	195238	10367	9738
55°	247841	232702	10738	10209
60°	302283	294003	10701	10701
65°	339713	340192	10990	11466
70°	333866	345674	11512	11808
75°	275404	293740	12094	12872
80°	198848	208729	13371	13953
85°	110053	118154	15055	18538

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.7	2.5
10°-20°	1107.7	5.2
20°-30°	1620.7	7.7
30°-40°	2283.5	10.8
40°-50°	3138.2	14.8
50°-60°	4277.0	20.2
60°-70°	4681.0	22.1
70°-80°	2702.5	12.8
80°-90°	809.3	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°	3253.1	15.4
0°-40°	5536.6	26.2
0°-60°	12951.7	61.3
0°-90°	21144.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21144.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6753	6753	6753	6753	6753	
5°	7391	6566	4709	5140	7391	671
15°	6181	5318	1960	2035	6181	1806
25°	8057	7316	1050	1088	8057	3773
35°	10233	9417	816	769	10233	6489
45°	12353	11284	666	619	12353	9494
55°	13207	12400	572	544	13207	11916
65°	13338	13357	432	450	13338	12766
75°	6622	7063	291	310	6622	7113
85°	891	957	122	150	891	1236
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°	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4
2.5°	7231.8	7203.7	7231.8	7335.0	7363.1	7410.0	7410.0	7344.4	7222.4	7166.1	7072.3
5°	7391.3	7344.4	7578.8	7794.6	7963.4	7944.7	7785.2	7653.9	7410.0	7044.2	6697.2
7.5°	7072.3	7119.2	7288.1	7850.9	8244.8	8319.8	8066.6	7804.0	7278.7	6772.2	6303.2
10°	6472.0	6537.7	6903.5	7485.1	8104.1	8226.1	8066.6	7747.7	7119.2	6490.8	5946.8
12.5°	6181.3	6331.3	6547.1	7250.6	7691.4	7982.2	7907.1	7700.8	6997.3	6256.3	5731.0
15°	6181.3	6218.8	6537.7	7128.6	7381.9	7391.3	7419.4	7456.9	7034.8	6359.5	5656.0
17.5°	6378.2	6481.4	6753.4	7119.2	7166.1	7053.6	7053.6	7213.0	7109.9	6650.3	5928.0
20°	6856.6	6819.1	7175.5	7325.6	7072.3	6790.9	6762.8	7034.8	7194.3	6959.8	6425.1
22.5°	7335.0	7503.8	7794.6	7456.9	6987.9	6612.7	6575.2	6912.9	7447.5	7494.4	6997.3
25°	8057.2	8226.1	8376.1	7963.4	6978.5	6565.8	6594.0	6856.6	7757.1	8254.2	7954.0
27.5°	8835.7	8938.9	9154.6	8516.8	7203.7	6509.6	6537.7	6931.6	8047.8	8751.3	8704.4
30°	9276.6	9389.1	9342.2	8620.0	7353.7	6547.1	6472.0	7034.8	7888.4	8751.3	9192.2
32.5°	9708.1	9642.4	9614.3	8788.8	7541.3	6781.6	6594.0	7250.6	7982.2	8892.0	9820.6
35°	10233.3	10139.5	10064.5	9117.1	7850.9	7006.7	6922.3	7531.9	8188.5	9182.8	10327.1
37.5°	10814.9	10814.9	10449.1	9361.0	8216.7	7372.5	7278.7	7935.3	8516.8	9361.0	11021.2
40°	11499.6	11527.7	10880.5	9689.3	8629.4	7954.0	7925.9	8460.5	8835.7	9623.6	11687.2
42.5°	12006.1	12024.9	11255.7	9811.2	9107.7	8760.7	8882.6	9304.7	9201.5	9858.1	11734.1
45°	12353.1	12259.4	11518.3	10158.3	9633.0	9970.7	10008.2	10130.1	9679.9	9998.8	11921.7
47.5°	12522.0	12503.2	11630.9	10561.6	10739.8	11199.4	11415.2	11246.3	10120.8	9848.8	11921.7
50°	12690.8	12531.4	11734.1	11115.0	11818.5	12747.1	12700.2	12390.7	10730.4	10036.3	11743.5
52.5°	12803.4	12662.7	11940.4	11612.1	12850.3	13900.8	14088.4	13516.2	11443.3	10383.4	11827.9
55°	13206.7	13094.1	12559.5	12287.5	14041.5	15120.2	15148.3	14351.0	12193.7	10955.6	12381.3
57.5°	13694.5	13760.1	13413.1	13244.2	14951.3	16011.3	15908.1	14970.1	12831.5	11649.7	13019.1
60°	14041.5	14144.7	14060.3	14079.0	15401.6	16311.4	16076.9	15354.7	13300.5	12174.9	13797.6
62.5°	13853.9	14060.3	14407.3	14332.3	15420.3	16095.7	15767.4	14848.2	13356.8	12859.7	14388.6
65°	13338.0	13356.8	14032.1	14444.8	14576.2	14979.5	14548.0	13788.3	12775.2	13281.7	14304.1
67.5°	12015.5	12165.6	12775.2	13581.9	13028.5	13122.3	13084.8	11987.3	11893.5	12991.0	13656.9
70°	10608.5	10711.7	11377.7	12325.0	11002.5	10561.6	10646.0	9830.0	10214.6	12090.5	12353.1
72.5°	8770.1	8835.7	9595.5	10430.3	8826.4	8038.5	8235.4	7569.5	8113.5	10580.4	10420.9
75°	6622.1	6744.0	7335.0	8319.8	6500.2	5993.7	6190.6	5918.6	6425.1	8713.8	8085.4
77.5°	4708.6	4614.8	5346.5	6509.6	4886.9	4586.7	4605.5	4652.4	5196.4	7344.4	5806.1
80°	3207.9	3236.0	3892.6	4774.3	3836.3	3789.4	3742.5	4117.7	4361.6	5815.5	4220.9
82.5°	1904.1	1904.1	2626.3	3395.5	3029.7	3414.2	3198.5	3536.2	3414.2	4277.2	2767.0
85°	891.1	891.1	1350.7	2448.1	2344.9	2813.9	2391.8	2673.2	2523.2	2982.8	1247.5
87.5°	150.1	131.3	272.0	1200.6	966.1	1097.4	431.5	1425.7	1585.2	2082.3	309.5
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°	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4
2.5°	6969.2	6903.5	6772.2	6603.4	6462.7	6284.4	6228.2	6106.2	5937.4	5918.6	5843.6
5°	6565.8	6340.7	6059.3	5712.3	5477.8	5233.9	5027.6	4905.6	4764.9	4746.2	4708.6
7.5°	6125.0	5843.6	5374.6	4961.9	4558.6	4174.0	3986.4	3751.9	3592.4	3470.5	3414.2
10°	5712.3	5449.6	4868.1	4305.3	3948.9	3695.6	3470.5	3226.6	3029.7	2879.6	2823.3
12.5°	5440.3	5130.7	4502.3	3967.6	3705.0	3414.2	3161.0	2898.3	2645.1	2448.1	2344.9
15°	5318.3	5027.6	4389.7	3798.8	3414.2	3010.9	2720.1	2457.5	2148.0	2007.3	1960.4
17.5°	5609.1	5177.6	4352.2	3601.8	3057.8	2598.2	2241.8	1960.4	1735.3	1594.6	1538.3
20°	5984.3	5449.6	4417.9	3367.3	2720.1	2204.2	1810.3	1510.1	1360.1	1256.9	1247.5
22.5°	6462.7	5853.0	4521.0	3198.5	2344.9	1772.8	1416.3	1238.1	1135.0	1125.6	1106.8
25°	7316.2	6584.6	4689.9	2973.4	2044.8	1463.2	1210.0	1106.8	1059.9	1031.8	1050.5
27.5°	8047.8	7063.0	4811.8	2832.7	1922.9	1378.8	1172.5	1059.9	1013.0	1003.6	1013.0
30°	8479.3	7503.8	4774.3	2570.1	1679.0	1313.2	1247.5	1210.0	1116.2	1041.2	1041.2
32.5°	8873.3	7785.2	4764.9	2335.6	1435.1	1097.4	1041.2	1013.0	1069.3	1106.8	1078.7
35°	9417.3	8226.1	4736.8	2204.2	1331.9	1013.0	919.2	844.2	806.7	787.9	816.0
37.5°	9998.8	8526.2	4661.7	2185.5	1275.6	966.1	891.1	816.0	778.5	759.8	750.4
40°	10636.7	8845.1	4577.3	2091.7	1247.5	938.0	862.9	797.3	750.4	722.2	712.9
42.5°	11049.4	9098.4	4492.9	2044.8	1191.2	919.2	834.8	778.5	731.6	694.1	694.1
45°	11283.9	9398.5	4408.5	1997.9	1125.6	928.6	834.8	759.8	703.5	684.7	666.0
47.5°	11387.0	9623.6	4380.3	1922.9	1069.3	891.1	816.0	741.0	684.7	647.2	637.8
50°	11659.0	10102.0	4483.5	1866.6	1003.6	853.6	862.9	731.6	675.3	628.4	619.1
52.5°	11818.5	10486.6	4708.6	1782.2	956.7	806.7	844.2	712.9	647.2	600.3	600.3
55°	12400.0	11124.4	4952.5	1716.5	900.5	741.0	778.5	675.3	600.3	572.2	572.2
57.5°	13141.0	11799.7	5158.9	1688.4	862.9	694.1	694.1	656.6	572.2	534.6	525.3
60°	13656.9	12353.1	5280.8	1669.6	825.4	647.2	619.1	656.6	544.0	506.5	497.1
62.5°	13713.2	12034.2	5158.9	1660.2	816.0	600.3	562.8	628.4	515.9	478.4	459.6
65°	13356.8	11387.0	4821.2	1622.7	806.7	553.4	525.3	544.0	478.4	450.2	431.5
67.5°	12643.9	10336.5	4333.5	1603.9	797.3	515.9	478.4	469.0	440.8	412.7	394.0
70°	10983.7	8967.1	3761.3	1519.5	778.5	487.7	431.5	422.1	394.0	375.2	365.8
72.5°	9220.3	7335.0	3104.7	1407.0	741.0	440.8	394.0	375.2	365.8	337.7	328.3
75°	7063.0	5646.6	2485.6	1247.5	647.2	394.0	347.1	328.3	318.9	300.2	290.8
77.5°	4961.9	4202.1	1838.4	1013.0	544.0	356.4	309.5	290.8	281.4	253.3	253.3
80°	3367.3	2945.2	1247.5	703.5	422.1	290.8	272.0	253.3	234.5	215.7	215.7
82.5°	2091.7	2063.5	900.5	459.6	309.5	234.5	215.7	215.7	187.6	168.8	168.8
85°	956.7	1266.3	628.4	318.9	234.5	178.2	178.2	168.8	150.1	121.9	121.9
87.5°	300.2	422.1	328.3	140.7	131.3	103.2	103.2	93.8	93.8	75.0	75.0
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°	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4
2.5°	5918.6	5909.3	5909.3	5871.7	5965.5	5965.5	6021.8	5974.9	6003.0	6012.4	6087.5
5°	4699.3	4774.3	4830.6	4943.1	5008.8	5036.9	5036.9	5112.0	5083.8	5140.1	5252.7
7.5°	3442.4	3536.2	3705.0	3845.7	3958.3	3995.8	3986.4	4005.2	4033.3	3967.6	3986.4
10°	2785.8	2720.1	2776.4	2907.7	3010.9	3132.8	3039.0	3029.7	3057.8	3029.7	3085.9
12.5°	2326.2	2251.1	2204.2	2204.2	2279.3	2335.6	2307.4	2354.3	2457.5	2485.6	2551.3
15°	1885.3	1819.7	1782.2	1735.3	1810.3	1829.1	1857.2	1922.9	1997.9	2035.4	2110.4
17.5°	1510.1	1510.1	1510.1	1472.6	1500.8	1528.9	1538.3	1622.7	1632.1	1669.6	1697.7
20°	1238.1	1266.3	1313.2	1331.9	1360.1	1360.1	1341.3	1388.2	1350.7	1378.8	1397.6
22.5°	1116.2	1153.7	1172.5	1181.9	1219.4	1228.7	1181.9	1191.2	1200.6	1172.5	1181.9
25°	1050.5	1069.3	1050.5	1059.9	1069.3	1050.5	1059.9	1078.7	1069.3	1088.1	1078.7
27.5°	1022.4	1003.6	994.3	984.9	984.9	966.1	975.5	975.5	994.3	1003.6	1003.6
30°	1022.4	994.3	956.7	928.6	928.6	900.5	919.2	938.0	947.4	966.1	966.1
32.5°	1050.5	994.3	928.6	900.5	872.3	853.6	872.3	900.5	938.0	947.4	956.7
35°	834.8	862.9	853.6	816.0	806.7	806.7	797.3	797.3	769.1	769.1	759.8
37.5°	750.4	741.0	759.8	769.1	778.5	750.4	750.4	712.9	703.5	712.9	712.9
40°	703.5	703.5	703.5	731.6	741.0	722.2	694.1	675.3	675.3	675.3	684.7
42.5°	684.7	666.0	656.6	675.3	703.5	684.7	656.6	647.2	647.2	656.6	656.6
45°	656.6	647.2	637.8	628.4	666.0	637.8	628.4	619.1	619.1	619.1	628.4
47.5°	628.4	619.1	600.3	600.3	609.7	600.3	590.9	590.9	590.9	609.7	609.7
50°	609.7	600.3	581.5	581.5	581.5	581.5	572.2	572.2	572.2	581.5	590.9
52.5°	581.5	572.2	562.8	553.4	553.4	553.4	553.4	553.4	553.4	562.8	572.2
55°	553.4	544.0	534.6	534.6	544.0	544.0	534.6	544.0	534.6	544.0	553.4
57.5°	525.3	515.9	506.5	515.9	525.3	515.9	515.9	515.9	515.9	515.9	525.3
60°	487.7	487.7	487.7	487.7	506.5	506.5	506.5	506.5	487.7	497.1	506.5
62.5°	469.0	459.6	459.6	469.0	478.4	478.4	487.7	478.4	469.0	478.4	478.4
65°	431.5	431.5	431.5	440.8	440.8	450.2	450.2	450.2	440.8	450.2	450.2
67.5°	403.3	403.3	403.3	403.3	422.1	422.1	422.1	422.1	412.7	412.7	422.1
70°	356.4	365.8	356.4	375.2	394.0	384.6	394.0	394.0	384.6	375.2	394.0
72.5°	328.3	328.3	328.3	328.3	356.4	356.4	356.4	365.8	356.4	347.1	356.4
75°	290.8	290.8	290.8	300.2	318.9	318.9	318.9	318.9	318.9	309.5	309.5
77.5°	253.3	262.6	253.3	262.6	281.4	272.0	281.4	290.8	281.4	272.0	272.0
80°	215.7	215.7	215.7	225.1	234.5	234.5	234.5	243.9	234.5	225.1	225.1
82.5°	168.8	168.8	178.2	178.2	187.6	187.6	187.6	197.0	187.6	178.2	178.2
85°	131.3	131.3	131.3	140.7	140.7	150.1	150.1	159.5	159.5	150.1	150.1
87.5°	84.4	75.0	84.4	84.4	93.8	93.8	84.4	75.0	84.4	75.0	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: P599098
 CATALOG NUMBER: IFLD-M-SA4D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4	6753.4
2.5°	6162.5	6331.3	6453.3	6537.7	6659.6	6894.1	6987.9	7156.8	7203.7	7231.8
5°	5299.6	5477.8	5740.4	5928.0	6143.7	6584.6	6922.3	7175.5	7288.1	7391.3
7.5°	4155.2	4389.7	4661.7	4905.6	5262.0	5806.1	6246.9	6772.2	6969.2	7072.3
10°	3245.4	3461.1	3761.3	4061.4	4558.6	5018.2	5646.6	6125.0	6397.0	6472.0
12.5°	2738.9	2992.1	3348.6	3714.4	4023.9	4549.2	5187.0	5881.1	6134.4	6181.3
15°	2326.2	2673.2	3039.0	3414.2	3770.7	4230.3	4915.0	5759.2	6134.4	6181.3
17.5°	1922.9	2232.4	2663.9	3067.2	3479.9	4108.3	4961.9	5862.4	6237.5	6378.2
20°	1528.9	1829.1	2166.7	2673.2	3236.0	3902.0	5065.1	6209.4	6706.5	6856.6
22.5°	1266.3	1397.6	1725.9	2213.6	2879.6	3761.3	5168.2	6753.4	7278.7	7335.0
25°	1106.8	1200.6	1407.0	1866.6	2598.2	3667.5	5412.1	7381.9	8057.2	8057.2
27.5°	1031.8	1069.3	1210.0	1622.7	2401.2	3583.1	5656.0	8076.0	8704.4	8835.7
30°	1013.0	1106.8	1181.9	1444.5	2185.5	3348.6	5881.1	8620.0	9267.2	9276.6
32.5°	994.3	975.5	1031.8	1256.9	1922.9	3104.7	6068.7	9173.4	9679.9	9708.1
35°	778.5	816.0	909.8	1106.8	1725.9	2926.5	6162.5	9473.6	10205.2	10233.3
37.5°	731.6	778.5	853.6	1022.4	1594.6	2776.4	6190.6	10055.1	10758.6	10814.9
40°	712.9	750.4	806.7	947.4	1491.4	2588.8	6246.9	10655.4	11574.6	11499.6
42.5°	675.3	722.2	778.5	909.8	1407.0	2448.1	6256.3	10983.7	12006.1	12006.1
45°	666.0	694.1	759.8	909.8	1313.2	2326.2	6106.2	11312.0	12503.2	12353.1
47.5°	628.4	684.7	741.0	881.7	1200.6	2204.2	5928.0	11480.8	12568.9	12522.0
50°	619.1	675.3	769.1	834.8	1135.0	2148.0	5890.5	11902.9	12700.2	12690.8
52.5°	600.3	656.6	797.3	797.3	1050.5	2072.9	6068.7	12090.5	12728.3	12803.4
55°	572.2	656.6	741.0	731.6	975.5	1979.1	6265.7	12578.3	13225.5	13206.7
57.5°	553.4	637.8	703.5	666.0	891.1	1913.5	6556.5	13047.3	13825.8	13694.5
60°	525.3	637.8	628.4	619.1	825.4	1857.2	6800.3	13141.0	13957.1	14041.5
62.5°	506.5	666.0	553.4	572.2	769.1	1829.1	6697.2	12437.6	13778.9	13853.9
65°	487.7	572.2	506.5	525.3	750.4	1772.8	6293.8	11593.4	13009.7	13338.0
67.5°	450.2	469.0	469.0	487.7	731.6	1641.5	5468.4	10073.9	11837.3	12015.5
70°	412.7	422.1	422.1	450.2	712.9	1491.4	4511.7	8713.8	10270.8	10608.5
72.5°	375.2	375.2	375.2	412.7	656.6	1369.4	3714.4	6697.2	8535.6	8770.1
75°	328.3	328.3	328.3	365.8	590.9	1247.5	2926.5	4980.7	6284.4	6622.1
77.5°	290.8	290.8	281.4	328.3	515.9	1013.0	2110.4	3517.4	4427.2	4708.6
80°	243.9	234.5	234.5	262.6	403.3	731.6	1360.1	2485.6	3085.9	3207.9
82.5°	197.0	187.6	178.2	197.0	290.8	459.6	844.2	1735.3	1979.1	1904.1
85°	187.6	197.0	159.5	150.1	206.4	300.2	534.6	1069.3	891.1	891.1
87.5°	75.0	65.7	65.7	56.3	103.2	112.6	234.5	197.0	150.1	150.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)