

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: P598635

Luminaire Tested: **IFLD-M-SA4E-727-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598635  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4E-727-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (64) 2700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

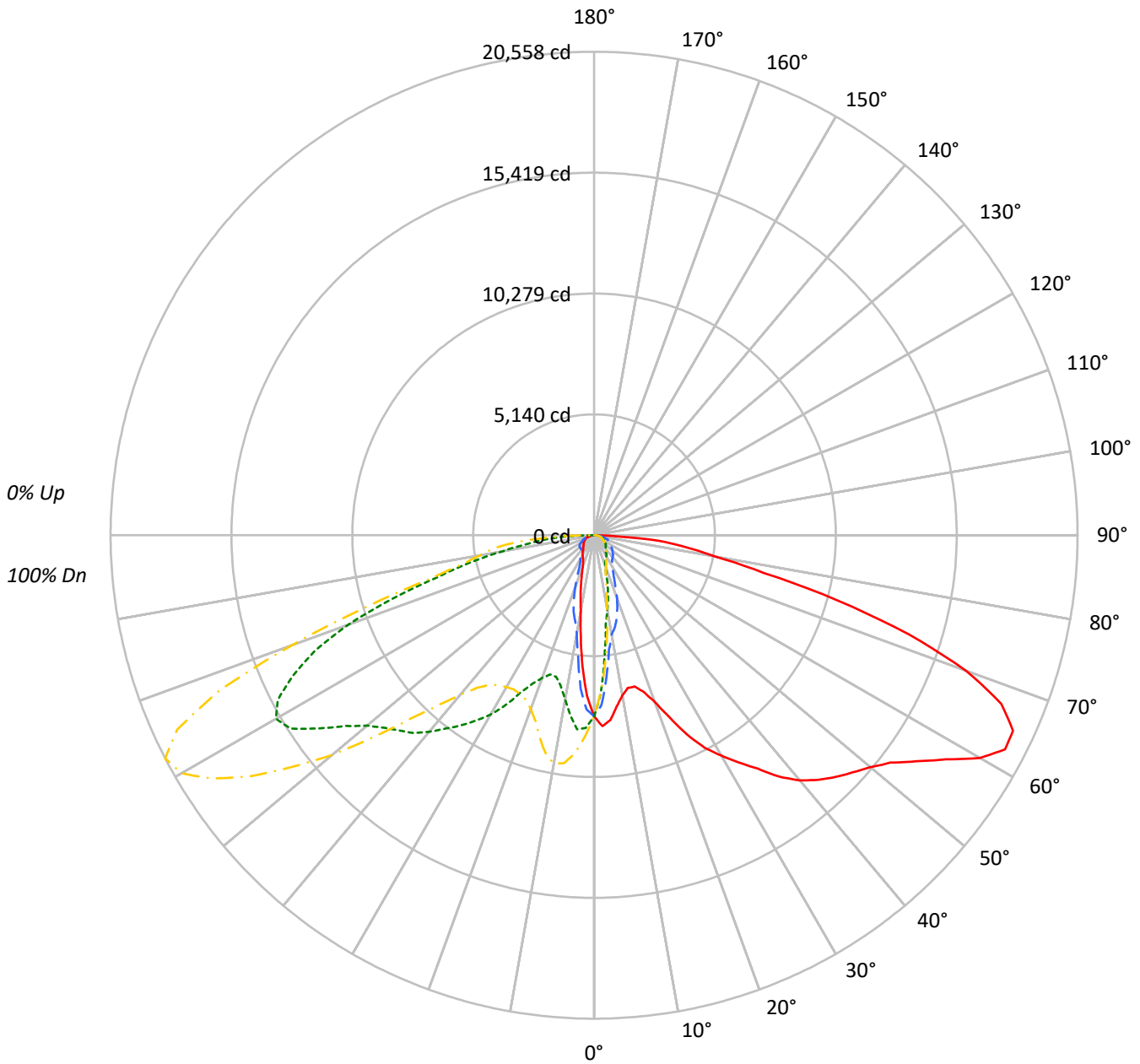
Lumens per Lamp: N/A  
 Luminaire Lumens: 25753.7 lumens  
 Efficiency: N/A  
 Efficacy: 81.8 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	85	82	79	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	70	65	61	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	59	53	48	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	51	44	39	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	45	38	32	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	40	33	27	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	36	29	23	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	32	26	20	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	30	23	18	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	28	21	16	14

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	82808	82808	82808	82808
5°	85220	55416	60538	89527
10°	75606	35212	35565	77373
15°	74202	24974	23653	69400
20°	86271	15798	15921	73929
25°	110947	13564	13181	87402
30°	134456	12857	12052	109412
35°	159138	11327	10901	129690
40°	191216	10749	9992	153215
45°	221259	10662	9677	178614
50°	256931	10826	9743	210922
55°	314422	11121	9909	268724
60°	407778	11134	10439	336103
65°	500554	11252	10702	359773
70°	529667	11868	11191	350285
75°	445863	12547	11204	285888
80°	323925	14691	11356	247117
85°	343323	21292	9312	256823

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	595.4	2.3
10°-20°	1246.0	4.8
20°-30°	1795.7	7.0
30°-40°	2585.1	10.0
40°-50°	3671.9	14.3
50°-60°	5279.2	20.5
60°-70°	6099.2	23.7
70°-80°	3453.5	13.4
80°-90°	1027.8	4.0
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°	3637.1	14.1
0°-40°	6222.2	24.2
0°-60°	15173.3	58.9
0°-90°	25753.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25753.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7693	7693	7693	7693	7693	
5°	7887	5129	5603	8286	7887	716
15°	6659	2241	2123	6228	6659	1958
25°	9342	1142	1110	7359	9342	4336
35°	12111	862	830	9870	12111	7686
45°	14535	700	636	11734	14535	11255
55°	16755	593	528	14320	16755	15174
65°	19653	442	420	14126	19653	18846
75°	10721	302	269	6874	10721	11375
85°	2780	172	75	2080	2780	2768
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°	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1
2.5°	8124.1	8113.3	8048.7	7844.0	7628.5	7423.7	7229.8	7025.1	6917.3	6788.0	6734.2
5°	7887.1	7865.5	7682.3	7229.8	6831.1	6400.2	6033.8	5742.9	5505.9	5268.8	5182.6
7.5°	7348.3	7316.0	7100.5	6475.6	5893.7	5333.5	4891.7	4514.6	4202.1	4062.0	3900.4
10°	6917.3	6863.5	6583.3	5893.7	5139.5	4579.2	4288.3	4029.7	3760.4	3534.1	3297.0
12.5°	6648.0	6583.3	6292.4	5484.3	4751.6	4331.4	4029.7	3738.8	3404.8	3124.7	2866.1
15°	6658.7	6583.3	6227.8	5376.6	4654.7	4115.9	3695.7	3297.0	2909.2	2596.7	2305.8
17.5°	6971.2	6874.2	6497.1	5527.4	4579.2	3835.8	3275.5	2758.3	2316.6	1982.5	1745.5
20°	7531.5	7466.8	7035.9	5753.7	4503.8	3534.1	2844.5	2219.6	1756.3	1497.7	1400.7
22.5°	8371.9	8296.5	7833.2	6098.5	4482.3	3264.7	2381.2	1745.5	1411.5	1303.7	1249.9
25°	9341.6	9201.6	8770.6	6680.3	4525.4	3016.9	2004.1	1443.8	1260.6	1185.2	1152.9
27.5°	10182.1	10095.9	9611.0	7229.8	4546.9	2823.0	1745.5	1314.5	1174.4	1109.8	1088.2
30°	10817.8	10785.4	10311.4	7833.2	4493.0	2585.9	1583.9	1260.6	1174.4	1109.8	1045.1
32.5°	11453.5	11464.2	10957.8	8296.5	4417.6	2381.2	1433.0	1120.6	1034.4	991.3	1002.0
35°	12110.7	12164.6	11733.6	8749.0	4256.0	2305.8	1325.3	1045.1	969.7	905.1	872.7
37.5°	12940.4	13080.4	12660.2	9255.4	4094.4	2241.1	1271.4	991.3	915.8	862.0	818.9
40°	13608.4	13867.0	13619.2	9729.5	3986.6	2165.7	1228.3	937.4	883.5	818.9	786.6
42.5°	14104.0	14405.7	14319.5	10095.9	3986.6	2090.3	1185.2	905.1	862.0	786.6	743.5
45°	14535.0	14847.5	14836.7	10473.0	4072.8	2047.2	1131.3	905.1	840.4	765.0	721.9
47.5°	14922.9	15235.4	15343.1	10947.1	4212.9	2025.6	1066.7	883.5	840.4	754.2	689.6
50°	15343.1	15687.9	16011.2	11701.3	4385.3	1971.8	1023.6	851.2	851.2	743.5	668.0
52.5°	15881.9	16269.7	16862.4	12638.7	4557.7	1874.8	958.9	829.6	851.2	732.7	646.5
55°	16754.6	17077.8	17853.6	13759.2	4773.2	1756.3	905.1	775.8	808.1	700.4	614.2
57.5°	17735.1	18015.2	18661.7	14621.2	4837.8	1605.4	829.6	721.9	775.8	668.0	571.1
60°	18941.9	19081.9	19081.9	14869.0	4622.3	1465.4	775.8	678.8	700.4	635.7	538.7
62.5°	19706.9	19706.9	19081.9	14416.5	4212.9	1346.8	732.7	635.7	614.2	592.6	506.4
65°	19653.0	19566.8	18640.2	13102.0	3738.8	1271.4	689.6	581.8	549.5	538.7	474.1
67.5°	18747.9	18597.1	17336.4	11248.7	3243.2	1239.1	646.5	528.0	506.4	484.9	431.0
70°	16830.0	16442.1	14890.6	9050.7	2758.3	1217.5	635.7	484.9	463.3	441.8	398.7
72.5°	14050.2	13554.5	11625.9	6960.4	2316.6	1142.1	603.4	431.0	420.2	398.7	355.6
75°	10720.8	9804.9	8113.3	5322.7	1799.4	991.3	517.2	377.1	377.1	366.3	323.2
77.5°	7391.4	6917.3	5656.7	3932.8	1314.5	765.0	420.2	334.0	334.0	344.8	301.7
80°	5225.7	4784.0	4029.7	2823.0	829.6	517.2	323.2	280.1	312.5	334.0	280.1
82.5°	3997.4	3674.2	2995.4	2058.0	484.9	355.6	247.8	226.3	269.4	290.9	237.0
85°	2779.9	2392.0	1519.2	1379.2	280.1	215.5	183.2	183.2	237.0	290.9	215.5
87.5°	786.6	334.0	97.0	409.4	118.5	86.2	64.6	43.1	64.6	64.6	43.1
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1
2.5°	6680.3	6615.6	6615.6	6594.1	6604.9	6615.6	6604.9	6680.3	6712.6	6755.7	6841.9
5°	5128.7	5214.9	5150.3	5214.9	5301.1	5430.4	5462.8	5559.7	5570.5	5645.9	5602.8
7.5°	3803.5	3792.7	3738.8	3814.2	4051.3	4234.4	4320.6	4374.5	4385.3	4385.3	4331.4
10°	3221.6	3124.7	3027.7	2973.8	2995.4	3189.3	3253.9	3286.3	3264.7	3297.0	3253.9
12.5°	2758.3	2672.1	2532.0	2435.1	2370.4	2424.3	2488.9	2521.3	2542.8	2596.7	2639.8
15°	2241.1	2154.9	2068.7	2014.9	1961.0	1917.9	1971.8	2004.1	2058.0	2101.1	2122.6
17.5°	1702.4	1659.3	1616.2	1648.5	1648.5	1627.0	1648.5	1659.3	1680.8	1713.2	1702.4
20°	1379.2	1368.4	1357.6	1411.5	1454.6	1454.6	1476.1	1443.8	1433.0	1400.7	1389.9
22.5°	1228.3	1228.3	1239.1	1282.2	1325.3	1346.8	1346.8	1293.0	1239.1	1217.5	1228.3
25°	1142.1	1142.1	1174.4	1185.2	1206.8	1206.8	1217.5	1163.7	1131.3	1099.0	1109.8
27.5°	1077.5	1077.5	1088.2	1088.2	1099.0	1099.0	1109.8	1088.2	1045.1	1034.4	1034.4
30°	1034.4	1034.4	1023.6	1023.6	1023.6	1023.6	1034.4	1002.0	980.5	969.7	969.7
32.5°	991.3	980.5	969.7	969.7	958.9	958.9	969.7	937.4	926.6	926.6	926.6
35°	862.0	851.2	862.0	883.5	883.5	894.3	894.3	883.5	862.0	840.4	829.6
37.5°	808.1	797.3	797.3	797.3	818.9	829.6	840.4	818.9	786.6	754.2	754.2
40°	765.0	765.0	754.2	754.2	754.2	775.8	797.3	765.0	721.9	711.1	711.1
42.5°	732.7	721.9	711.1	700.4	689.6	721.9	743.5	700.4	678.8	678.8	678.8
45°	700.4	689.6	678.8	668.0	657.3	668.0	689.6	646.5	635.7	635.7	635.7
47.5°	668.0	657.3	635.7	624.9	614.2	614.2	635.7	603.4	592.6	603.4	603.4
50°	646.5	624.9	603.4	592.6	581.8	581.8	581.8	571.1	571.1	571.1	581.8
52.5°	624.9	603.4	571.1	560.3	549.5	549.5	549.5	549.5	538.7	549.5	560.3
55°	592.6	571.1	549.5	538.7	528.0	517.2	528.0	517.2	517.2	528.0	528.0
57.5°	549.5	528.0	506.4	506.4	495.6	495.6	506.4	495.6	495.6	506.4	506.4
60°	517.2	495.6	474.1	474.1	463.3	474.1	484.9	474.1	474.1	474.1	484.9
62.5°	474.1	463.3	441.8	441.8	441.8	441.8	452.5	441.8	452.5	452.5	452.5
65°	441.8	420.2	409.4	409.4	409.4	409.4	431.0	409.4	420.2	420.2	420.2
67.5°	409.4	387.9	377.1	377.1	377.1	377.1	398.7	377.1	387.9	398.7	387.9
70°	377.1	355.6	344.8	344.8	344.8	344.8	355.6	344.8	344.8	355.6	355.6
72.5°	334.0	323.2	312.5	312.5	301.7	312.5	323.2	312.5	312.5	312.5	312.5
75°	301.7	290.9	290.9	280.1	280.1	280.1	290.9	269.4	269.4	269.4	269.4
77.5°	280.1	258.6	258.6	258.6	247.8	258.6	247.8	226.3	226.3	226.3	226.3
80°	237.0	215.5	226.3	226.3	215.5	215.5	204.7	183.2	183.2	183.2	183.2
82.5°	193.9	172.4	183.2	183.2	183.2	183.2	161.6	150.8	140.1	129.3	129.3
85°	172.4	140.1	161.6	161.6	150.8	150.8	107.7	107.7	86.2	86.2	75.4
87.5°	32.3	21.5	43.1	53.9	53.9	64.6	43.1	53.9	32.3	21.5	21.5
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1
2.5°	6831.1	6949.7	7111.3	7229.8	7413.0	7553.0	7768.5	7951.7	8124.1	8199.5	8274.9
5°	5732.1	5807.5	6055.4	6249.3	6540.2	6852.7	7240.6	7660.8	8091.8	8285.7	8512.0
7.5°	4288.3	4428.4	4568.5	4848.6	5204.2	5710.6	6206.2	6831.1	7434.5	7725.4	8113.3
10°	3329.4	3437.1	3598.7	3889.7	4223.7	4643.9	5236.5	5979.9	6701.8	7079.0	7477.6
12.5°	2672.1	2823.0	3038.5	3340.1	3728.0	4159.0	4590.0	5279.6	6120.0	6551.0	7003.5
15°	2165.7	2284.2	2521.3	2898.4	3350.9	3792.7	4245.2	4816.3	5732.1	6227.8	6766.5
17.5°	1723.9	1810.1	2025.6	2402.8	2855.3	3350.9	3868.1	4590.0	5602.8	6206.2	6841.9
20°	1400.7	1465.4	1605.4	1885.6	2316.6	2855.3	3501.8	4374.5	5678.2	6454.0	7229.8
22.5°	1228.3	1249.9	1314.5	1465.4	1820.9	2392.0	3167.8	4191.3	5818.3	6820.4	7865.5
25°	1109.8	1131.3	1152.9	1249.9	1454.6	1993.3	2876.8	4083.6	6120.0	7359.1	8598.2
27.5°	1034.4	1055.9	1066.7	1109.8	1249.9	1702.4	2629.0	4018.9	6529.4	8145.6	9503.3
30°	969.7	969.7	1002.0	1066.7	1163.7	1497.7	2413.5	3868.1	6960.4	8802.9	10214.4
32.5°	915.8	926.6	969.7	1002.0	1066.7	1325.3	2198.0	3674.2	7348.3	9341.6	10914.7
35°	818.9	818.9	829.6	883.5	969.7	1185.2	2004.1	3480.2	7563.8	9869.6	11539.7
37.5°	754.2	765.0	786.6	829.6	905.1	1088.2	1842.5	3264.7	7790.1	10365.2	12272.3
40°	711.1	721.9	743.5	786.6	862.0	1002.0	1702.4	3092.3	8027.1	10904.0	13058.9
42.5°	678.8	689.6	711.1	754.2	818.9	980.5	1551.6	2952.3	8167.2	11399.6	13802.3
45°	646.5	657.3	689.6	732.7	786.6	958.9	1465.4	2855.3	8221.1	11733.6	14395.0
47.5°	614.2	624.9	657.3	721.9	786.6	926.6	1433.0	2801.4	8264.2	12110.7	14869.0
50°	581.8	603.4	646.5	711.1	797.3	883.5	1411.5	2790.6	8512.0	12595.6	15321.6
52.5°	560.3	592.6	635.7	711.1	786.6	818.9	1400.7	2823.0	9007.6	13317.5	15968.1
55°	538.7	571.1	614.2	711.1	754.2	765.0	1346.8	2876.8	9761.8	14319.5	16883.9
57.5°	517.2	538.7	592.6	689.6	711.1	721.9	1239.1	2952.3	10516.1	15300.0	17821.3
60°	484.9	506.4	560.3	689.6	646.5	678.8	1099.0	2973.8	11054.8	15612.5	17907.5
62.5°	452.5	474.1	528.0	711.1	592.6	635.7	980.5	2898.4	11162.6	15160.0	17422.6
65°	420.2	441.8	484.9	592.6	549.5	592.6	905.1	2693.7	10807.0	14125.6	16539.1
67.5°	387.9	409.4	441.8	484.9	495.6	538.7	872.7	2370.4	9912.7	12843.4	15332.3
70°	344.8	366.3	398.7	431.0	441.8	506.4	818.9	2058.0	8468.9	11130.2	13856.2
72.5°	312.5	323.2	355.6	377.1	398.7	463.3	786.6	1799.4	6475.6	9007.6	11302.6
75°	269.4	269.4	301.7	323.2	344.8	409.4	721.9	1497.7	4568.5	6874.2	8307.3
77.5°	226.3	226.3	247.8	269.4	290.9	355.6	614.2	1217.5	3167.8	5452.0	6023.0
80°	172.4	172.4	193.9	215.5	237.0	301.7	495.6	894.3	1961.0	3986.6	4385.3
82.5°	118.5	118.5	150.8	161.6	172.4	237.0	377.1	614.2	1152.9	2876.8	3135.4
85°	64.6	64.6	86.2	97.0	118.5	172.4	280.1	431.0	689.6	2079.5	2090.3
87.5°	10.8	10.8	32.3	32.3	53.9	86.2	161.6	237.0	387.9	1152.9	732.7
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: P598635  
 CATALOG NUMBER: IFLD-M-SA4E-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1	7693.1
2.5°	8415.0	8533.5	8544.3	8544.3	8490.4	8501.2	8350.4	8188.7	8134.9	8124.1
5°	8856.8	9169.2	9255.4	9298.5	9158.5	8943.0	8555.1	8134.9	7919.4	7887.1
7.5°	8770.6	9395.5	9729.5	9772.6	9492.5	8986.1	8307.3	7660.8	7413.0	7348.3
10°	8264.2	9104.6	9708.0	9858.8	9557.1	8910.6	8027.1	7272.9	6971.2	6917.3
12.5°	7908.6	8716.7	9309.3	9514.0	9374.0	8813.7	7887.1	7025.1	6723.4	6648.0
15°	7714.7	8458.1	8846.0	8910.6	8899.9	8662.8	7887.1	7079.0	6744.9	6658.7
17.5°	7876.3	8382.7	8436.6	8285.7	8371.9	8490.4	8059.4	7369.9	7046.6	6971.2
20°	8199.5	8350.4	8091.8	7865.5	7908.6	8285.7	8328.8	7919.4	7660.8	7531.5
22.5°	8878.3	8468.9	7876.3	7563.8	7596.1	8124.1	8684.4	8662.8	8436.6	8371.9
25°	9567.9	8802.9	7811.6	7445.3	7488.4	8091.8	9104.6	9492.5	9374.0	9341.6
27.5°	10332.9	9363.2	7854.7	7391.4	7445.3	8134.9	9395.5	10192.8	10214.4	10182.1
30°	10850.1	9632.6	7984.0	7456.1	7531.5	8242.6	9460.2	10613.0	10807.0	10817.8
32.5°	11281.1	9901.9	8253.4	7563.8	7693.1	8436.6	9632.6	11011.7	11442.7	11453.5
35°	11625.9	10203.6	8587.4	7757.8	7951.7	8759.8	9858.8	11388.8	12035.3	12110.7
37.5°	12067.6	10537.6	8975.3	8178.0	8393.5	9223.1	10257.5	11830.6	12735.7	12940.4
40°	12541.7	10871.6	9535.6	8856.8	9169.2	9912.7	10710.0	12326.2	13328.3	13608.4
42.5°	13069.7	11227.2	10171.3	9772.6	10246.7	10785.4	11227.2	12778.8	13780.8	14104.0
45°	13586.9	11658.2	11097.9	11022.5	11550.4	11819.8	11733.6	13102.0	14211.8	14535.0
47.5°	13953.2	12283.1	12218.5	12671.0	13166.6	13026.6	12326.2	13339.0	14567.3	14922.9
50°	14287.2	13058.9	13630.0	14513.5	14815.2	14341.1	12961.9	13662.3	14944.5	15343.1
52.5°	14782.8	13888.5	15084.5	16183.5	16474.5	15720.2	13651.5	14190.2	15526.3	15881.9
55°	15795.7	14825.9	16603.8	17864.4	17918.3	16980.9	14578.1	15084.5	16345.2	16754.6
57.5°	16927.0	15978.8	17810.5	19254.3	19232.8	18241.5	15623.3	16291.3	17455.0	17735.1
60°	17950.6	17142.5	19125.0	20245.6	20191.7	19157.4	16840.8	17659.7	18726.4	18941.9
62.5°	18554.0	18198.4	19706.9	20558.1	20353.3	19459.0	17875.2	18877.2	19631.4	19706.9
65°	18457.0	18801.8	19028.1	19556.0	19265.1	18618.6	18381.6	19653.0	19728.4	19653.0
67.5°	17724.3	18457.0	17164.0	17217.9	17067.1	16517.6	17595.0	19448.3	18931.1	18747.9
70°	16614.5	16668.4	14351.9	13673.0	13910.1	13155.9	15095.3	17853.6	17056.3	16830.0
72.5°	14772.1	14104.0	10850.1	10160.5	10516.1	9977.3	12110.7	15558.6	14782.8	14050.2
75°	12390.9	11173.3	8264.2	7283.7	7466.8	7445.3	9384.7	12854.2	11453.5	10720.8
77.5°	9600.2	8705.9	6098.5	5721.3	5527.4	5570.5	6551.0	9557.1	8307.3	7391.4
80°	7014.3	6087.7	4719.3	4934.8	4827.0	4568.5	4590.0	6400.2	5775.2	5225.7
82.5°	4848.6	4331.4	3825.0	4320.6	4062.0	3663.4	3577.2	4611.6	4331.4	3997.4
85°	3253.9	3566.4	3038.5	3307.8	2866.1	2639.8	3361.7	3857.3	3113.9	2779.9
87.5°	2122.6	3264.7	2187.3	1659.3	948.2	1271.4	2058.0	2532.0	1454.6	786.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)