

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: P598776

Luminaire Tested: **IFLD-M-SA4A-760-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598776
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4A-760-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (64) 5700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

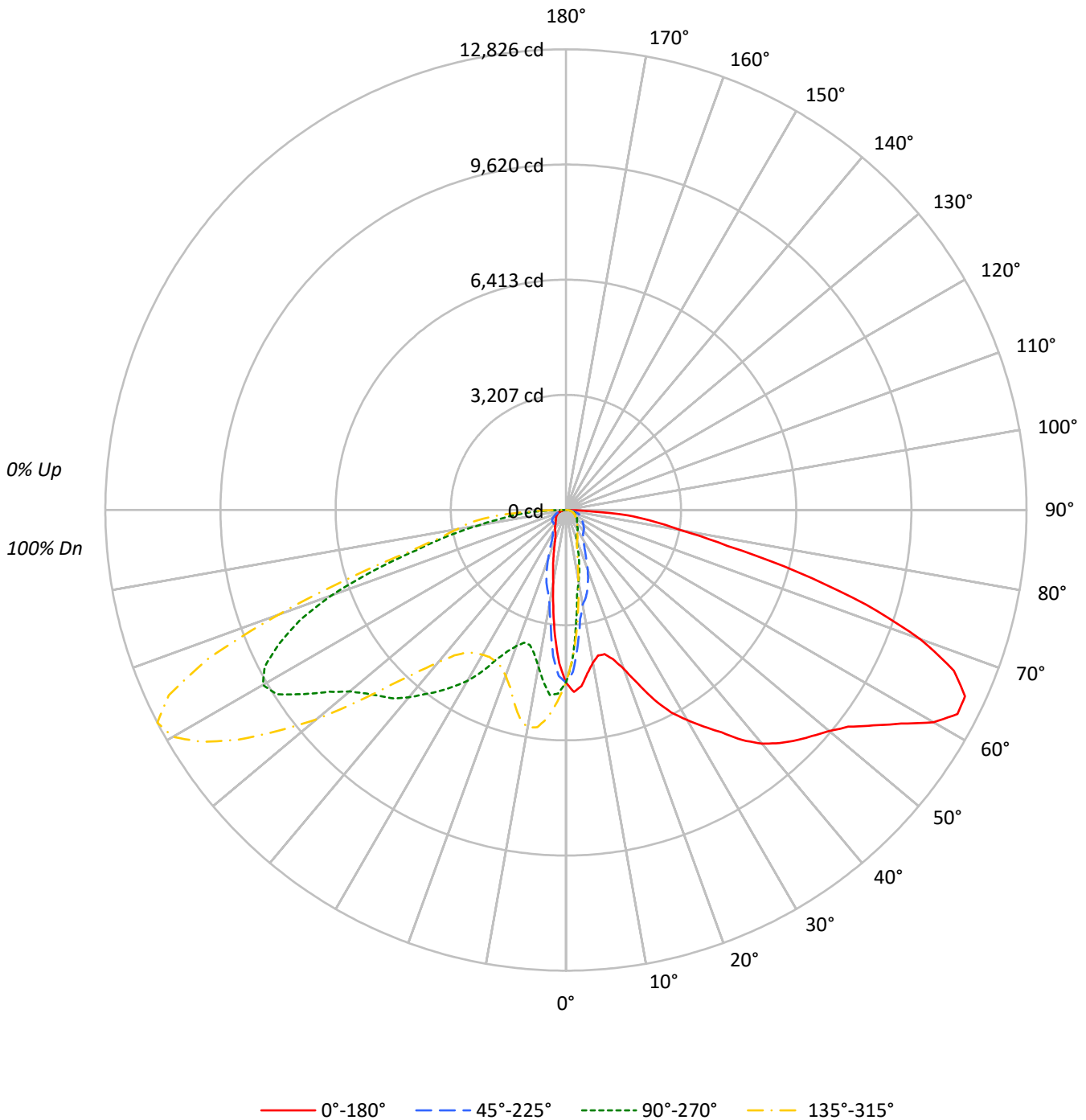
Lumens per Lamp: N/A
 Luminaire Lumens: 16067.6 lumens
 Efficiency: N/A
 Efficacy: 124.9 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 128.6
 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



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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°	51664	51664	51664	51664
5°	53168	34574	37770	55856
10°	47170	21969	22189	48272
15°	46295	15581	14758	43299
20°	53825	9857	9934	46124
25°	69220	8463	8223	54529
30°	83886	8020	7520	68262
35°	99286	7067	6801	80913
40°	119298	6707	6235	95590
45°	138042	6651	6037	111438
50°	160298	6754	6079	131593
55°	196166	6938	6182	167656
60°	254412	6947	6512	209694
65°	312293	7019	6678	224461
70°	330458	7405	6980	218542
75°	278173	7827	6991	178365
80°	202096	9168	7085	154174
85°	214190	13289	5817	160232

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.5	2.3
10°-20°	777.4	4.8
20°-30°	1120.3	7.0
30°-40°	1612.8	10.0
40°-50°	2290.9	14.3
50°-60°	3293.7	20.5
60°-70°	3805.3	23.7
70°-80°	2154.6	13.4
80°-90°	641.2	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°	2269.2	14.1
0°-40°	3882.0	24.2
0°-60°	9466.6	58.9
0°-90°	16067.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16067.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4800	4800	4800	4800	4800	
5°	4921	3200	3496	5169	4921	446
15°	4154	1398	1324	3886	4154	1222
25°	5828	713	692	4591	5828	2705
35°	7556	538	518	6158	7556	4795
45°	9068	437	397	7321	9068	7022
55°	10453	370	329	8934	10453	9467
65°	12261	276	262	8813	12261	11758
75°	6689	188	168	4289	6689	7097
85°	1734	108	47	1297	1734	1727
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°	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7
2.5°	5068.6	5061.9	5021.5	4893.8	4759.4	4631.6	4510.6	4382.9	4315.7	4235.0	4201.4
5°	4920.7	4907.3	4793.0	4510.6	4261.9	3993.0	3764.5	3583.0	3435.1	3287.2	3233.4
7.5°	4584.6	4564.4	4430.0	4040.1	3677.1	3327.5	3051.9	2816.6	2621.7	2534.3	2433.5
10°	4315.7	4282.1	4107.3	3677.1	3206.5	2857.0	2675.5	2514.1	2346.1	2204.9	2057.0
12.5°	4147.6	4107.3	3925.8	3421.6	2964.5	2702.4	2514.1	2332.6	2124.2	1949.5	1788.1
15°	4154.4	4107.3	3885.5	3354.4	2904.0	2567.9	2305.7	2057.0	1815.0	1620.1	1438.6
17.5°	4349.3	4288.8	4053.5	3448.5	2857.0	2393.1	2043.6	1720.9	1445.3	1236.9	1089.0
20°	4698.9	4658.5	4389.6	3589.7	2809.9	2204.9	1774.7	1384.8	1095.7	934.4	873.9
22.5°	5223.2	5176.2	4887.1	3804.8	2796.5	2036.8	1485.6	1089.0	880.6	813.4	779.8
25°	5828.2	5740.8	5471.9	4167.8	2823.4	1882.2	1250.3	900.8	786.5	739.5	719.3
27.5°	6352.5	6298.8	5996.3	4510.6	2836.8	1761.2	1089.0	820.1	732.7	692.4	678.9
30°	6749.2	6729.0	6433.2	4887.1	2803.2	1613.3	988.2	786.5	732.7	692.4	652.1
32.5°	7145.8	7152.5	6836.6	5176.2	2756.1	1485.6	894.1	699.1	645.3	618.4	625.2
35°	7555.8	7589.4	7320.6	5458.5	2655.3	1438.6	826.8	652.1	605.0	564.7	544.5
37.5°	8073.5	8160.8	7898.7	5774.4	2554.5	1398.2	793.2	618.4	571.4	537.8	510.9
40°	8490.2	8651.6	8497.0	6070.2	2487.2	1351.2	766.3	584.8	551.2	510.9	490.7
42.5°	8799.5	8987.7	8933.9	6298.8	2487.2	1304.1	739.5	564.7	537.8	490.7	463.8
45°	9068.3	9263.3	9256.6	6534.0	2541.0	1277.2	705.8	564.7	524.3	477.3	450.4
47.5°	9310.3	9505.3	9572.5	6829.8	2628.4	1263.8	665.5	551.2	524.3	470.6	430.2
50°	9572.5	9787.6	9989.3	7300.4	2736.0	1230.2	638.6	531.1	531.1	463.8	416.8
52.5°	9908.6	10150.6	10520.4	7885.2	2843.5	1169.7	598.3	517.6	531.1	457.1	403.3
55°	10453.1	10654.8	11138.8	8584.3	2978.0	1095.7	564.7	484.0	504.2	436.9	383.2
57.5°	11064.9	11239.6	11643.0	9122.1	3018.3	1001.6	517.6	450.4	484.0	416.8	356.3
60°	11817.8	11905.1	11905.1	9276.7	2883.9	914.2	484.0	423.5	436.9	396.6	336.1
62.5°	12295.0	12295.0	11905.1	8994.4	2628.4	840.3	457.1	396.6	383.2	369.7	315.9
65°	12261.4	12207.6	11629.5	8174.3	2332.6	793.2	430.2	363.0	342.8	336.1	295.8
67.5°	11696.8	11602.6	10816.1	7018.1	2023.4	773.1	403.3	329.4	315.9	302.5	268.9
70°	10500.2	10258.2	9290.2	5646.7	1720.9	759.6	396.6	302.5	289.1	275.6	248.7
72.5°	8765.8	8456.6	7253.3	4342.6	1445.3	712.6	376.4	268.9	262.2	248.7	221.8
75°	6688.7	6117.3	5061.9	3320.8	1122.6	618.4	322.7	235.3	235.3	228.6	201.7
77.5°	4611.5	4315.7	3529.2	2453.6	820.1	477.3	262.2	208.4	208.4	215.1	188.2
80°	3260.3	2984.7	2514.1	1761.2	517.6	322.7	201.7	174.8	194.9	208.4	174.8
82.5°	2494.0	2292.3	1868.8	1284.0	302.5	221.8	154.6	141.2	168.1	181.5	147.9
85°	1734.3	1492.3	947.8	860.5	174.8	134.4	114.3	114.3	147.9	181.5	134.4
87.5°	490.7	208.4	60.5	255.4	73.9	53.8	40.3	26.9	40.3	40.3	26.9
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°	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7
2.5°	4167.8	4127.5	4127.5	4114.0	4120.8	4127.5	4120.8	4167.8	4188.0	4214.9	4268.6
5°	3199.8	3253.6	3213.2	3253.6	3307.4	3388.0	3408.2	3468.7	3475.4	3522.5	3495.6
7.5°	2373.0	2366.2	2332.6	2379.7	2527.6	2641.9	2695.6	2729.2	2736.0	2736.0	2702.4
10°	2010.0	1949.5	1889.0	1855.3	1868.8	1989.8	2030.1	2050.3	2036.8	2057.0	2030.1
12.5°	1720.9	1667.1	1579.7	1519.2	1478.9	1512.5	1552.8	1573.0	1586.5	1620.1	1647.0
15°	1398.2	1344.5	1290.7	1257.1	1223.5	1196.6	1230.2	1250.3	1284.0	1310.8	1324.3
17.5°	1062.1	1035.2	1008.3	1028.5	1028.5	1015.1	1028.5	1035.2	1048.7	1068.8	1062.1
20°	860.5	853.7	847.0	880.6	907.5	907.5	921.0	900.8	894.1	873.9	867.2
22.5°	766.3	766.3	773.1	800.0	826.8	840.3	840.3	806.7	773.1	759.6	766.3
25°	712.6	712.6	732.7	739.5	752.9	752.9	759.6	726.0	705.8	685.7	692.4
27.5°	672.2	672.2	678.9	678.9	685.7	685.7	692.4	678.9	652.1	645.3	645.3
30°	645.3	645.3	638.6	638.6	638.6	638.6	645.3	625.2	611.7	605.0	605.0
32.5°	618.4	611.7	605.0	605.0	598.3	598.3	605.0	584.8	578.1	578.1	578.1
35°	537.8	531.1	537.8	551.2	551.2	557.9	557.9	551.2	537.8	524.3	517.6
37.5°	504.2	497.4	497.4	497.4	510.9	517.6	524.3	510.9	490.7	470.6	470.6
40°	477.3	477.3	470.6	470.6	470.6	484.0	497.4	477.3	450.4	443.7	443.7
42.5°	457.1	450.4	443.7	436.9	430.2	450.4	463.8	436.9	423.5	423.5	423.5
45°	436.9	430.2	423.5	416.8	410.1	416.8	430.2	403.3	396.6	396.6	396.6
47.5°	416.8	410.1	396.6	389.9	383.2	383.2	396.6	376.4	369.7	376.4	376.4
50°	403.3	389.9	376.4	369.7	363.0	363.0	363.0	356.3	356.3	356.3	363.0
52.5°	389.9	376.4	356.3	349.6	342.8	342.8	342.8	342.8	336.1	342.8	349.6
55°	369.7	356.3	342.8	336.1	329.4	322.7	329.4	322.7	322.7	329.4	329.4
57.5°	342.8	329.4	315.9	315.9	309.2	309.2	315.9	309.2	309.2	315.9	315.9
60°	322.7	309.2	295.8	295.8	289.1	295.8	302.5	295.8	295.8	295.8	302.5
62.5°	295.8	289.1	275.6	275.6	275.6	275.6	282.3	275.6	282.3	282.3	282.3
65°	275.6	262.2	255.4	255.4	255.4	255.4	268.9	255.4	262.2	262.2	262.2
67.5°	255.4	242.0	235.3	235.3	235.3	235.3	248.7	235.3	242.0	248.7	242.0
70°	235.3	221.8	215.1	215.1	215.1	215.1	221.8	215.1	215.1	221.8	221.8
72.5°	208.4	201.7	194.9	194.9	188.2	194.9	201.7	194.9	194.9	194.9	194.9
75°	188.2	181.5	181.5	174.8	174.8	174.8	181.5	168.1	168.1	168.1	168.1
77.5°	174.8	161.3	161.3	161.3	154.6	161.3	154.6	141.2	141.2	141.2	141.2
80°	147.9	134.4	141.2	141.2	134.4	134.4	127.7	114.3	114.3	114.3	114.3
82.5°	121.0	107.6	114.3	114.3	114.3	114.3	100.8	94.1	87.4	80.7	80.7
85°	107.6	87.4	100.8	100.8	94.1	94.1	67.2	67.2	53.8	53.8	47.1
87.5°	20.2	13.4	26.9	33.6	33.6	40.3	26.9	33.6	20.2	13.4	13.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7
2.5°	4261.9	4335.9	4436.7	4510.6	4624.9	4712.3	4846.8	4961.0	5068.6	5115.7	5162.7
5°	3576.2	3623.3	3777.9	3898.9	4080.4	4275.4	4517.4	4779.5	5048.4	5169.4	5310.6
7.5°	2675.5	2762.9	2850.2	3025.0	3246.9	3562.8	3872.0	4261.9	4638.4	4819.9	5061.9
10°	2077.2	2144.4	2245.2	2426.7	2635.1	2897.3	3267.0	3730.9	4181.3	4416.5	4665.3
12.5°	1667.1	1761.2	1895.7	2083.9	2325.9	2594.8	2863.7	3293.9	3818.3	4087.1	4369.5
15°	1351.2	1425.1	1573.0	1808.3	2090.6	2366.2	2648.6	3004.9	3576.2	3885.5	4221.6
17.5°	1075.6	1129.3	1263.8	1499.1	1781.4	2090.6	2413.3	2863.7	3495.6	3872.0	4268.6
20°	873.9	914.2	1001.6	1176.4	1445.3	1781.4	2184.7	2729.2	3542.6	4026.6	4510.6
22.5°	766.3	779.8	820.1	914.2	1136.1	1492.3	1976.3	2615.0	3630.0	4255.2	4907.3
25°	692.4	705.8	719.3	779.8	907.5	1243.6	1794.8	2547.7	3818.3	4591.3	5364.4
27.5°	645.3	658.8	665.5	692.4	779.8	1062.1	1640.2	2507.4	4073.7	5082.0	5929.0
30°	605.0	605.0	625.2	665.5	726.0	934.4	1505.8	2413.3	4342.6	5492.1	6372.7
32.5°	571.4	578.1	605.0	625.2	665.5	826.8	1371.3	2292.3	4584.6	5828.2	6809.7
35°	510.9	510.9	517.6	551.2	605.0	739.5	1250.3	2171.3	4719.0	6157.6	7199.6
37.5°	470.6	477.3	490.7	517.6	564.7	678.9	1149.5	2036.8	4860.2	6466.8	7656.7
40°	443.7	450.4	463.8	490.7	537.8	625.2	1062.1	1929.3	5008.1	6802.9	8147.4
42.5°	423.5	430.2	443.7	470.6	510.9	611.7	968.0	1841.9	5095.5	7112.2	8611.2
45°	403.3	410.1	430.2	457.1	490.7	598.3	914.2	1781.4	5129.1	7320.6	8981.0
47.5°	383.2	389.9	410.1	450.4	490.7	578.1	894.1	1747.8	5156.0	7555.8	9276.7
50°	363.0	376.4	403.3	443.7	497.4	551.2	880.6	1741.1	5310.6	7858.3	9559.1
52.5°	349.6	369.7	396.6	443.7	490.7	510.9	873.9	1761.2	5619.8	8308.7	9962.4
55°	336.1	356.3	383.2	443.7	470.6	477.3	840.3	1794.8	6090.4	8933.9	10533.8
57.5°	322.7	336.1	369.7	430.2	443.7	450.4	773.1	1841.9	6560.9	9545.6	11118.6
60°	302.5	315.9	349.6	430.2	403.3	423.5	685.7	1855.3	6897.1	9740.6	11172.4
62.5°	282.3	295.8	329.4	443.7	369.7	396.6	611.7	1808.3	6964.3	9458.2	10869.9
65°	262.2	275.6	302.5	369.7	342.8	369.7	564.7	1680.6	6742.4	8812.9	10318.7
67.5°	242.0	255.4	275.6	302.5	309.2	336.1	544.5	1478.9	6184.5	8013.0	9565.8
70°	215.1	228.6	248.7	268.9	275.6	315.9	510.9	1284.0	5283.7	6944.1	8644.8
72.5°	194.9	201.7	221.8	235.3	248.7	289.1	490.7	1122.6	4040.1	5619.8	7051.7
75°	168.1	168.1	188.2	201.7	215.1	255.4	450.4	934.4	2850.2	4288.8	5182.9
77.5°	141.2	141.2	154.6	168.1	181.5	221.8	383.2	759.6	1976.3	3401.5	3757.8
80°	107.6	107.6	121.0	134.4	147.9	188.2	309.2	557.9	1223.5	2487.2	2736.0
82.5°	73.9	73.9	94.1	100.8	107.6	147.9	235.3	383.2	719.3	1794.8	1956.2
85°	40.3	40.3	53.8	60.5	73.9	107.6	174.8	268.9	430.2	1297.4	1304.1
87.5°	6.7	6.7	20.2	20.2	33.6	53.8	100.8	147.9	242.0	719.3	457.1
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: P598776
 CATALOG NUMBER: IFLD-M-SA4A-760-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7	4799.7
2.5°	5250.1	5324.0	5330.8	5330.8	5297.2	5303.9	5209.8	5108.9	5075.3	5068.6
5°	5525.7	5720.7	5774.4	5801.3	5713.9	5579.5	5337.5	5075.3	4940.9	4920.7
7.5°	5471.9	5861.8	6070.2	6097.1	5922.3	5606.4	5182.9	4779.5	4624.9	4584.6
10°	5156.0	5680.3	6056.8	6150.9	5962.7	5559.3	5008.1	4537.5	4349.3	4315.7
12.5°	4934.1	5438.3	5808.0	5935.8	5848.4	5498.8	4920.7	4382.9	4194.7	4147.6
15°	4813.1	5277.0	5519.0	5559.3	5552.6	5404.7	4920.7	4416.5	4208.1	4154.4
17.5°	4914.0	5229.9	5263.5	5169.4	5223.2	5297.2	5028.3	4598.0	4396.4	4349.3
20°	5115.7	5209.8	5048.4	4907.3	4934.1	5169.4	5196.3	4940.9	4779.5	4698.9
22.5°	5539.2	5283.7	4914.0	4719.0	4739.2	5068.6	5418.2	5404.7	5263.5	5223.2
25°	5969.4	5492.1	4873.6	4645.1	4672.0	5048.4	5680.3	5922.3	5848.4	5828.2
27.5°	6446.7	5841.7	4900.5	4611.5	4645.1	5075.3	5861.8	6359.3	6372.7	6352.5
30°	6769.3	6009.7	4981.2	4651.8	4698.9	5142.5	5902.2	6621.4	6742.4	6749.2
32.5°	7038.2	6177.8	5149.3	4719.0	4799.7	5263.5	6009.7	6870.2	7139.1	7145.8
35°	7253.3	6366.0	5357.7	4840.0	4961.0	5465.2	6150.9	7105.4	7508.8	7555.8
37.5°	7528.9	6574.4	5599.7	5102.2	5236.7	5754.3	6399.6	7381.1	7945.7	8073.5
40°	7824.7	6782.8	5949.2	5525.7	5720.7	6184.5	6681.9	7690.3	8315.5	8490.2
42.5°	8154.1	7004.6	6345.8	6097.1	6392.9	6729.0	7004.6	7972.6	8597.8	8799.5
45°	8476.8	7273.5	6923.9	6876.9	7206.3	7374.3	7320.6	8174.3	8866.7	9068.3
47.5°	8705.3	7663.4	7623.1	7905.4	8214.6	8127.2	7690.3	8322.2	9088.5	9310.3
50°	8913.7	8147.4	8503.7	9054.9	9243.1	8947.3	8086.9	8523.8	9323.8	9572.5
52.5°	9223.0	8665.0	9411.2	10096.9	10278.4	9807.8	8517.1	8853.2	9686.8	9908.6
55°	9854.9	9249.8	10359.0	11145.5	11179.1	10594.3	9095.2	9411.2	10197.7	10453.1
57.5°	10560.7	9969.1	11111.9	12012.7	11999.3	11380.8	9747.3	10164.1	10890.1	11064.9
60°	11199.3	10695.1	11932.0	12631.2	12597.5	11952.2	10506.9	11017.8	11683.3	11817.8
62.5°	11575.8	11353.9	12295.0	12826.1	12698.4	12140.4	11152.3	11777.4	12248.0	12295.0
65°	11515.3	11730.4	11871.5	12200.9	12019.4	11616.1	11468.2	12261.4	12308.5	12261.4
67.5°	11058.1	11515.3	10708.6	10742.2	10648.1	10305.2	10977.5	12133.7	11811.0	11696.8
70°	10365.7	10399.4	8954.1	8530.6	8678.5	8207.9	9417.9	11138.8	10641.4	10500.2
72.5°	9216.2	8799.5	6769.3	6339.1	6560.9	6224.8	7555.8	9707.0	9223.0	8765.8
75°	7730.6	6971.0	5156.0	4544.3	4658.5	4645.1	5855.1	8019.7	7145.8	6688.7
77.5°	5989.5	5431.6	3804.8	3569.5	3448.5	3475.4	4087.1	5962.7	5182.9	4611.5
80°	4376.2	3798.1	2944.4	3078.8	3011.6	2850.2	2863.7	3993.0	3603.1	3260.3
82.5°	3025.0	2702.4	2386.4	2695.6	2534.3	2285.6	2231.8	2877.1	2702.4	2494.0
85°	2030.1	2225.1	1895.7	2063.7	1788.1	1647.0	2097.3	2406.6	1942.7	1734.3
87.5°	1324.3	2036.8	1364.6	1035.2	591.6	793.2	1284.0	1579.7	907.5	490.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)