

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: P598835

Luminaire Tested: **IFLD-M-SA4B-830-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598835
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4B-830-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (64) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

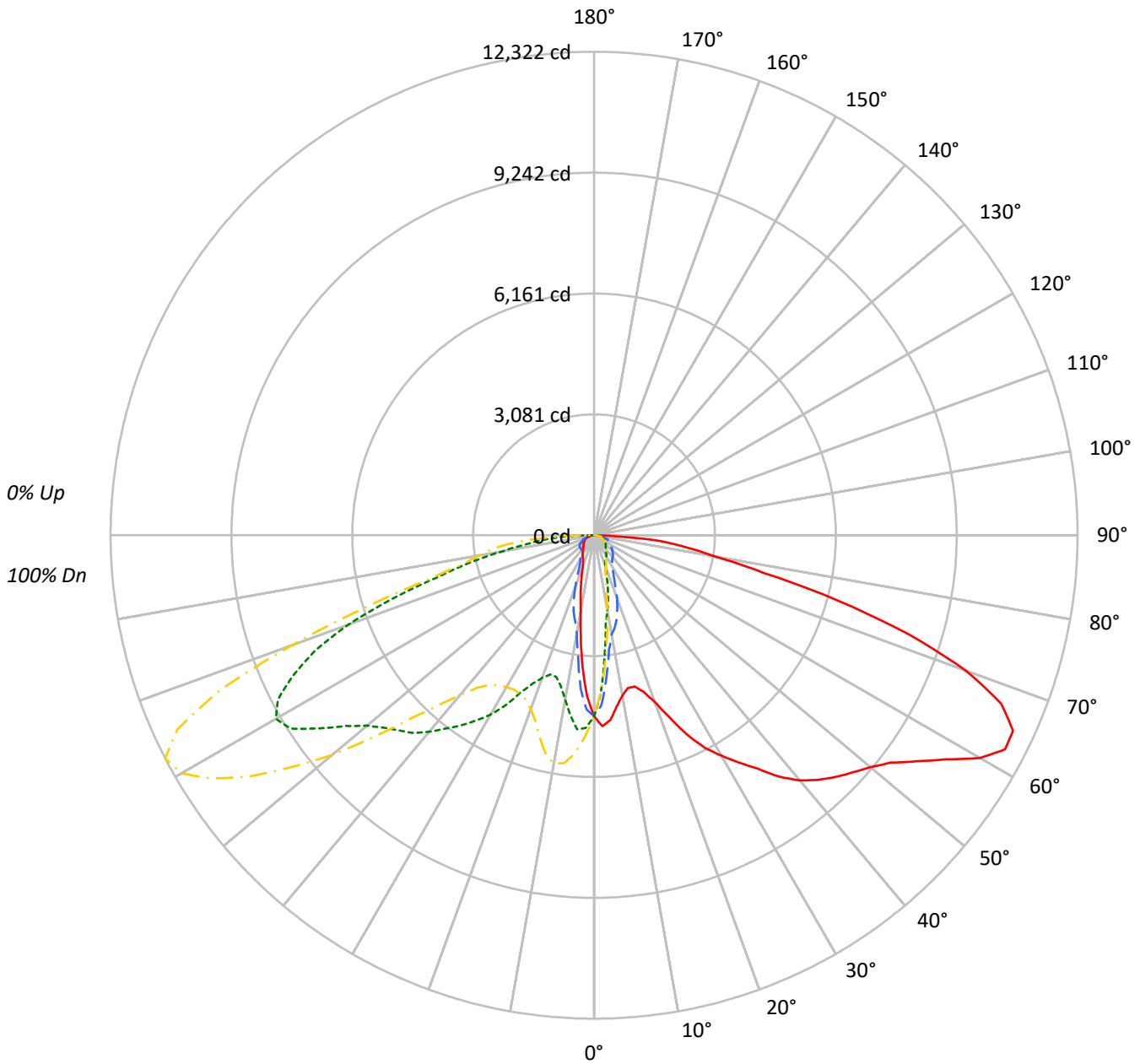
Lumens per Lamp: N/A
 Luminaire Lumens: 15436.5 lumens
 Efficiency: N/A
 Efficacy: 92.9 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 166.1
 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	100	100	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77	77	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59	59	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46	46	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36	36	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30	30	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25	25	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21	21	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18	18	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16	16	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14	14	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	49635	49635	49635	49635
5°	51080	33216	36287	53662
10°	45318	21106	21318	46376
15°	44476	14969	14178	41597
20°	51710	9470	9543	44313
25°	66501	8131	7900	52388
30°	80590	7706	7224	65581
35°	95386	6790	6535	77734
40°	114612	6443	5989	91835
45°	132620	6390	5800	107060
50°	154002	6489	5839	126423
55°	188461	6666	5940	161071
60°	244416	6674	6256	201455
65°	300027	6744	6416	215643
70°	317476	7113	6707	209956
75°	267244	7519	6717	171357
80°	194155	8808	6806	148118
85°	205779	12758	5582	153933

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.9	2.3
10°-20°	746.9	4.8
20°-30°	1076.3	7.0
30°-40°	1549.5	10.0
40°-50°	2200.9	14.3
50°-60°	3164.3	20.5
60°-70°	3655.8	23.7
70°-80°	2070.0	13.4
80°-90°	616.0	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°	2180.1	14.1
0°-40°	3729.5	24.2
0°-60°	9094.7	58.9
0°-90°	15436.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15436.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4611	4611	4611	4611	4611	
5°	4727	3074	3358	4966	4727	429
15°	3991	1343	1272	3733	3991	1174
25°	5599	685	665	4411	5599	2599
35°	7259	517	497	5916	7259	4607
45°	8712	420	381	7033	8712	6746
55°	10042	355	316	8583	10042	9095
65°	11780	265	252	8467	11780	11296
75°	6426	181	162	4120	6426	6818
85°	1666	103	45	1246	1666	1659
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°	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2
2.5°	4869.5	4863.0	4824.3	4701.6	4572.4	4449.7	4333.5	4210.8	4146.2	4068.7	4036.4
5°	4727.4	4714.5	4604.7	4333.5	4094.5	3836.2	3616.6	3442.2	3300.1	3158.1	3106.4
7.5°	4404.5	4385.1	4256.0	3881.4	3532.6	3196.8	2932.0	2706.0	2518.7	2434.7	2337.9
10°	4146.2	4113.9	3946.0	3532.6	3080.6	2744.7	2570.4	2415.4	2253.9	2118.3	1976.2
12.5°	3984.7	3946.0	3771.6	3287.2	2848.1	2596.2	2415.4	2241.0	2040.8	1872.9	1717.9
15°	3991.2	3946.0	3732.8	3222.6	2789.9	2467.0	2215.2	1976.2	1743.7	1556.4	1382.1
17.5°	4178.5	4120.3	3894.3	3313.1	2744.7	2299.1	1963.3	1653.3	1388.5	1188.3	1046.2
20°	4514.3	4475.5	4217.2	3448.7	2699.5	2118.3	1705.0	1330.4	1052.7	897.7	839.6
22.5°	5018.0	4972.8	4695.1	3655.3	2686.6	1956.8	1427.3	1046.2	846.0	781.4	749.2
25°	5599.3	5515.3	5257.0	4004.1	2712.4	1808.3	1201.2	865.4	755.6	710.4	691.0
27.5°	6103.0	6051.3	5760.7	4333.5	2725.4	1692.1	1046.2	787.9	703.9	665.2	652.3
30°	6484.0	6464.7	6180.5	4695.1	2693.1	1550.0	949.4	755.6	703.9	665.2	626.4
32.5°	6865.1	6871.5	6568.0	4972.8	2647.9	1427.3	858.9	671.7	620.0	594.2	600.6
35°	7259.0	7291.3	7033.0	5244.1	2551.0	1382.1	794.4	626.4	581.2	542.5	523.1
37.5°	7756.3	7840.3	7588.4	5547.6	2454.1	1343.3	762.1	594.2	548.9	516.7	490.8
40°	8156.7	8311.7	8163.2	5831.8	2389.5	1298.1	736.2	561.9	529.6	490.8	471.4
42.5°	8453.8	8634.6	8583.0	6051.3	2389.5	1252.9	710.4	542.5	516.7	471.4	445.6
45°	8712.1	8899.4	8893.0	6277.4	2441.2	1227.1	678.1	542.5	503.7	458.5	432.7
47.5°	8944.6	9131.9	9196.5	6561.5	2525.2	1214.1	639.4	529.6	503.7	452.1	413.3
50°	9196.5	9403.2	9596.9	7013.6	2628.5	1181.9	613.5	510.2	510.2	445.6	400.4
52.5°	9519.4	9751.9	10107.1	7575.5	2731.8	1123.7	574.8	497.3	510.2	439.2	387.5
55°	10042.5	10236.3	10701.3	8247.1	2861.0	1052.7	542.5	465.0	484.4	419.8	368.1
57.5°	10630.2	10798.1	11185.6	8763.8	2899.7	962.3	497.3	432.7	465.0	400.4	342.3
60°	11353.5	11437.5	11437.5	8912.3	2770.6	878.3	465.0	406.9	419.8	381.0	322.9
62.5°	11812.1	11812.1	11437.5	8641.1	2525.2	807.3	439.2	381.0	368.1	355.2	303.5
65°	11779.8	11728.1	11172.7	7853.2	2241.0	762.1	413.3	348.7	329.4	322.9	284.2
67.5°	11237.3	11146.9	10391.3	6742.4	1943.9	742.7	387.5	316.5	303.5	290.6	258.3
70°	10087.7	9855.2	8925.2	5424.9	1653.3	729.8	381.0	290.6	277.7	264.8	239.0
72.5°	8421.5	8124.4	6968.4	4172.0	1388.5	684.6	361.7	258.3	251.9	239.0	213.1
75°	6425.9	5877.0	4863.0	3190.4	1078.5	594.2	310.0	226.0	226.0	219.6	193.7
77.5°	4430.3	4146.2	3390.6	2357.2	787.9	458.5	251.9	200.2	200.2	206.7	180.8
80°	3132.2	2867.4	2415.4	1692.1	497.3	310.0	193.7	167.9	187.3	200.2	167.9
82.5°	2396.0	2202.2	1795.4	1233.5	290.6	213.1	148.5	135.6	161.5	174.4	142.1
85°	1666.2	1433.7	910.6	826.7	167.9	129.2	109.8	109.8	142.1	174.4	129.2
87.5°	471.4	200.2	58.1	245.4	71.0	51.7	38.7	25.8	38.7	38.7	25.8
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°	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2
2.5°	4004.1	3965.3	3965.3	3952.4	3958.9	3965.3	3958.9	4004.1	4023.5	4049.3	4101.0
5°	3074.1	3125.8	3087.0	3125.8	3177.4	3254.9	3274.3	3332.4	3338.9	3384.1	3358.3
7.5°	2279.7	2273.3	2241.0	2286.2	2428.3	2538.1	2589.7	2622.0	2628.5	2628.5	2596.2
10°	1931.0	1872.9	1814.8	1782.5	1795.4	1911.6	1950.4	1969.8	1956.8	1976.2	1950.4
12.5°	1653.3	1601.6	1517.7	1459.6	1420.8	1453.1	1491.8	1511.2	1524.1	1556.4	1582.3
15°	1343.3	1291.6	1240.0	1207.7	1175.4	1149.6	1181.9	1201.2	1233.5	1259.4	1272.3
17.5°	1020.4	994.6	968.7	988.1	988.1	975.2	988.1	994.6	1007.5	1026.9	1020.4
20°	826.7	820.2	813.7	846.0	871.9	871.9	884.8	865.4	858.9	839.6	833.1
22.5°	736.2	736.2	742.7	768.5	794.4	807.3	807.3	775.0	742.7	729.8	736.2
25°	684.6	684.6	703.9	710.4	723.3	723.3	729.8	697.5	678.1	658.7	665.2
27.5°	645.8	645.8	652.3	652.3	658.7	658.7	665.2	652.3	626.4	620.0	620.0
30°	620.0	620.0	613.5	613.5	613.5	613.5	620.0	600.6	587.7	581.2	581.2
32.5°	594.2	587.7	581.2	581.2	574.8	574.8	581.2	561.9	555.4	555.4	555.4
35°	516.7	510.2	516.7	529.6	529.6	536.0	536.0	529.6	516.7	503.7	497.3
37.5°	484.4	477.9	477.9	477.9	490.8	497.3	503.7	490.8	471.4	452.1	452.1
40°	458.5	458.5	452.1	452.1	452.1	465.0	477.9	458.5	432.7	426.2	426.2
42.5°	439.2	432.7	426.2	419.8	413.3	432.7	445.6	419.8	406.9	406.9	406.9
45°	419.8	413.3	406.9	400.4	394.0	400.4	413.3	387.5	381.0	381.0	381.0
47.5°	400.4	394.0	381.0	374.6	368.1	368.1	381.0	361.7	355.2	361.7	361.7
50°	387.5	374.6	361.7	355.2	348.7	348.7	348.7	342.3	342.3	342.3	348.7
52.5°	374.6	361.7	342.3	335.8	329.4	329.4	329.4	329.4	322.9	329.4	335.8
55°	355.2	342.3	329.4	322.9	316.5	310.0	316.5	310.0	310.0	316.5	316.5
57.5°	329.4	316.5	303.5	303.5	297.1	297.1	303.5	297.1	297.1	303.5	303.5
60°	310.0	297.1	284.2	284.2	277.7	284.2	290.6	284.2	284.2	284.2	290.6
62.5°	284.2	277.7	264.8	264.8	264.8	264.8	271.2	264.8	271.2	271.2	271.2
65°	264.8	251.9	245.4	245.4	245.4	245.4	258.3	245.4	251.9	251.9	251.9
67.5°	245.4	232.5	226.0	226.0	226.0	226.0	239.0	226.0	232.5	239.0	232.5
70°	226.0	213.1	206.7	206.7	206.7	206.7	213.1	206.7	206.7	213.1	213.1
72.5°	200.2	193.7	187.3	187.3	180.8	187.3	193.7	187.3	187.3	187.3	187.3
75°	180.8	174.4	174.4	167.9	167.9	167.9	174.4	161.5	161.5	161.5	161.5
77.5°	167.9	155.0	155.0	155.0	148.5	155.0	148.5	135.6	135.6	135.6	135.6
80°	142.1	129.2	135.6	135.6	129.2	129.2	122.7	109.8	109.8	109.8	109.8
82.5°	116.2	103.3	109.8	109.8	109.8	109.8	96.9	90.4	84.0	77.5	77.5
85°	103.3	84.0	96.9	96.9	90.4	90.4	64.6	64.6	51.7	51.7	45.2
87.5°	19.4	12.9	25.8	32.3	32.3	38.7	25.8	32.3	19.4	12.9	12.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2
2.5°	4094.5	4165.5	4262.4	4333.5	4443.2	4527.2	4656.4	4766.2	4869.5	4914.7	4959.9
5°	3435.8	3481.0	3629.5	3745.8	3920.1	4107.4	4339.9	4591.8	4850.1	4966.4	5102.0
7.5°	2570.4	2654.3	2738.3	2906.2	3119.3	3422.9	3719.9	4094.5	4456.2	4630.5	4863.0
10°	1995.6	2060.2	2157.0	2331.4	2531.6	2783.5	3138.7	3584.3	4017.0	4243.0	4482.0
12.5°	1601.6	1692.1	1821.2	2002.0	2234.5	2492.9	2751.2	3164.5	3668.3	3926.6	4197.8
15°	1298.1	1369.1	1511.2	1737.3	2008.5	2273.3	2544.5	2886.8	3435.8	3732.8	4055.8
17.5°	1033.3	1085.0	1214.1	1440.2	1711.4	2008.5	2318.5	2751.2	3358.3	3719.9	4101.0
20°	839.6	878.3	962.3	1130.2	1388.5	1711.4	2098.9	2622.0	3403.5	3868.5	4333.5
22.5°	736.2	749.2	787.9	878.3	1091.4	1433.7	1898.7	2512.2	3487.4	4088.0	4714.5
25°	665.2	678.1	691.0	749.2	871.9	1194.8	1724.3	2447.7	3668.3	4411.0	5153.7
27.5°	620.0	632.9	639.4	665.2	749.2	1020.4	1575.8	2408.9	3913.7	4882.4	5696.1
30°	581.2	581.2	600.6	639.4	697.5	897.7	1446.6	2318.5	4172.0	5276.4	6122.4
32.5°	548.9	555.4	581.2	600.6	639.4	794.4	1317.5	2202.2	4404.5	5599.3	6542.2
35°	490.8	490.8	497.3	529.6	581.2	710.4	1201.2	2086.0	4533.7	5915.7	6916.7
37.5°	452.1	458.5	471.4	497.3	542.5	652.3	1104.4	1956.8	4669.3	6212.8	7355.9
40°	426.2	432.7	445.6	471.4	516.7	600.6	1020.4	1853.5	4811.4	6535.7	7827.3
42.5°	406.9	413.3	426.2	452.1	490.8	587.7	930.0	1769.5	4895.3	6832.8	8273.0
45°	387.5	394.0	413.3	439.2	471.4	574.8	878.3	1711.4	4927.6	7033.0	8628.2
47.5°	368.1	374.6	394.0	432.7	471.4	555.4	858.9	1679.1	4953.4	7259.0	8912.3
50°	348.7	361.7	387.5	426.2	477.9	529.6	846.0	1672.7	5102.0	7549.6	9183.6
52.5°	335.8	355.2	381.0	426.2	471.4	490.8	839.6	1692.1	5399.1	7982.3	9571.1
55°	322.9	342.3	368.1	426.2	452.1	458.5	807.3	1724.3	5851.1	8583.0	10120.0
57.5°	310.0	322.9	355.2	413.3	426.2	432.7	742.7	1769.5	6303.2	9170.7	10681.9
60°	290.6	303.5	335.8	413.3	387.5	406.9	658.7	1782.5	6626.1	9357.9	10733.5
62.5°	271.2	284.2	316.5	426.2	355.2	381.0	587.7	1737.3	6690.7	9086.7	10442.9
65°	251.9	264.8	290.6	355.2	329.4	355.2	542.5	1614.6	6477.6	8466.7	9913.4
67.5°	232.5	245.4	264.8	290.6	297.1	322.9	523.1	1420.8	5941.6	7698.2	9190.0
70°	206.7	219.6	239.0	258.3	264.8	303.5	490.8	1233.5	5076.2	6671.3	8305.3
72.5°	187.3	193.7	213.1	226.0	239.0	277.7	471.4	1078.5	3881.4	5399.1	6774.7
75°	161.5	161.5	180.8	193.7	206.7	245.4	432.7	897.7	2738.3	4120.3	4979.3
77.5°	135.6	135.6	148.5	161.5	174.4	213.1	368.1	729.8	1898.7	3267.9	3610.1
80°	103.3	103.3	116.2	129.2	142.1	180.8	297.1	536.0	1175.4	2389.5	2628.5
82.5°	71.0	71.0	90.4	96.9	103.3	142.1	226.0	368.1	691.0	1724.3	1879.3
85°	38.7	38.7	51.7	58.1	71.0	103.3	167.9	258.3	413.3	1246.4	1252.9
87.5°	6.5	6.5	19.4	19.4	32.3	51.7	96.9	142.1	232.5	691.0	439.2
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: P598835
 CATALOG NUMBER: IFLD-M-SA4B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2	4611.2
2.5°	5043.9	5114.9	5121.4	5121.4	5089.1	5095.5	5005.1	4908.2	4875.9	4869.5
5°	5308.6	5495.9	5547.6	5573.4	5489.5	5360.3	5127.8	4875.9	4746.8	4727.4
7.5°	5257.0	5631.6	5831.8	5857.6	5689.7	5386.1	4979.3	4591.8	4443.2	4404.5
10°	4953.4	5457.2	5818.8	5909.3	5728.4	5340.9	4811.4	4359.3	4178.5	4146.2
12.5°	4740.3	5224.7	5579.9	5702.6	5618.6	5282.8	4727.4	4210.8	4029.9	3984.7
15°	4624.1	5069.7	5302.2	5340.9	5334.5	5192.4	4727.4	4243.0	4042.8	3991.2
17.5°	4721.0	5024.5	5056.8	4966.4	5018.0	5089.1	4830.7	4417.4	4223.7	4178.5
20°	4914.7	5005.1	4850.1	4714.5	4740.3	4966.4	4992.2	4746.8	4591.8	4514.3
22.5°	5321.6	5076.2	4721.0	4533.7	4553.0	4869.5	5205.3	5192.4	5056.8	5018.0
25°	5734.9	5276.4	4682.2	4462.6	4488.5	4850.1	5457.2	5689.7	5618.6	5599.3
27.5°	6193.4	5612.2	4708.0	4430.3	4462.6	4875.9	5631.6	6109.5	6122.4	6103.0
30°	6503.4	5773.6	4785.5	4469.1	4514.3	4940.5	5670.3	6361.3	6477.6	6484.0
32.5°	6761.7	5935.1	4947.0	4533.7	4611.2	5056.8	5773.6	6600.3	6858.6	6865.1
35°	6968.4	6115.9	5147.2	4649.9	4766.2	5250.5	5909.3	6826.3	7213.8	7259.0
37.5°	7233.2	6316.1	5379.7	4901.8	5030.9	5528.2	6148.2	7091.1	7633.6	7756.3
40°	7517.4	6516.3	5715.5	5308.6	5495.9	5941.6	6419.5	7388.2	7988.8	8156.7
42.5°	7833.8	6729.5	6096.5	5857.6	6141.8	6464.7	6729.5	7659.4	8260.0	8453.8
45°	8143.8	6987.8	6652.0	6606.7	6923.2	7084.7	7033.0	7853.2	8518.4	8712.1
47.5°	8363.4	7362.4	7323.6	7594.9	7891.9	7808.0	7388.2	7995.3	8731.5	8944.6
50°	8563.6	7827.3	8169.6	8699.2	8880.0	8595.9	7769.2	8189.0	8957.5	9196.5
52.5°	8860.7	8324.6	9041.5	9700.2	9874.6	9422.5	8182.6	8505.5	9306.3	9519.4
55°	9467.7	8886.5	9952.1	10707.7	10740.0	10178.1	8738.0	9041.5	9797.1	10042.5
57.5°	10145.8	9577.5	10675.4	11540.8	11527.9	10933.7	9364.4	9764.8	10462.3	10630.2
60°	10759.4	10275.0	11463.3	12135.0	12102.7	11482.7	10094.2	10585.0	11224.4	11353.5
62.5°	11121.0	10907.9	11812.1	12322.3	12199.6	11663.5	10714.2	11314.8	11766.9	11812.1
65°	11062.9	11269.6	11405.2	11721.7	11547.3	11159.8	11017.7	11779.8	11825.0	11779.8
67.5°	10623.8	11062.9	10287.9	10320.2	10229.8	9900.4	10546.3	11657.1	11347.1	11237.3
70°	9958.6	9990.9	8602.3	8195.5	8337.5	7885.5	9048.0	10701.3	10223.3	10087.7
72.5°	8854.2	8453.8	6503.4	6090.1	6303.2	5980.3	7259.0	9325.7	8860.7	8421.5
75°	7426.9	6697.2	4953.4	4365.7	4475.5	4462.6	5625.1	7704.6	6865.1	6425.9
77.5°	5754.3	5218.2	3655.3	3429.3	3313.1	3338.9	3926.6	5728.4	4979.3	4430.3
80°	4204.3	3648.9	2828.7	2957.9	2893.3	2738.3	2751.2	3836.2	3461.6	3132.2
82.5°	2906.2	2596.2	2292.7	2589.7	2434.7	2195.8	2144.1	2764.1	2596.2	2396.0
85°	1950.4	2137.7	1821.2	1982.7	1717.9	1582.3	2015.0	2312.0	1866.4	1666.2
87.5°	1272.3	1956.8	1311.0	994.6	568.3	762.1	1233.5	1517.7	871.9	471.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)