

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: P598825

Luminaire Tested: **IFLD-S-SA3B-830-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P598825
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3B-830-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (48) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

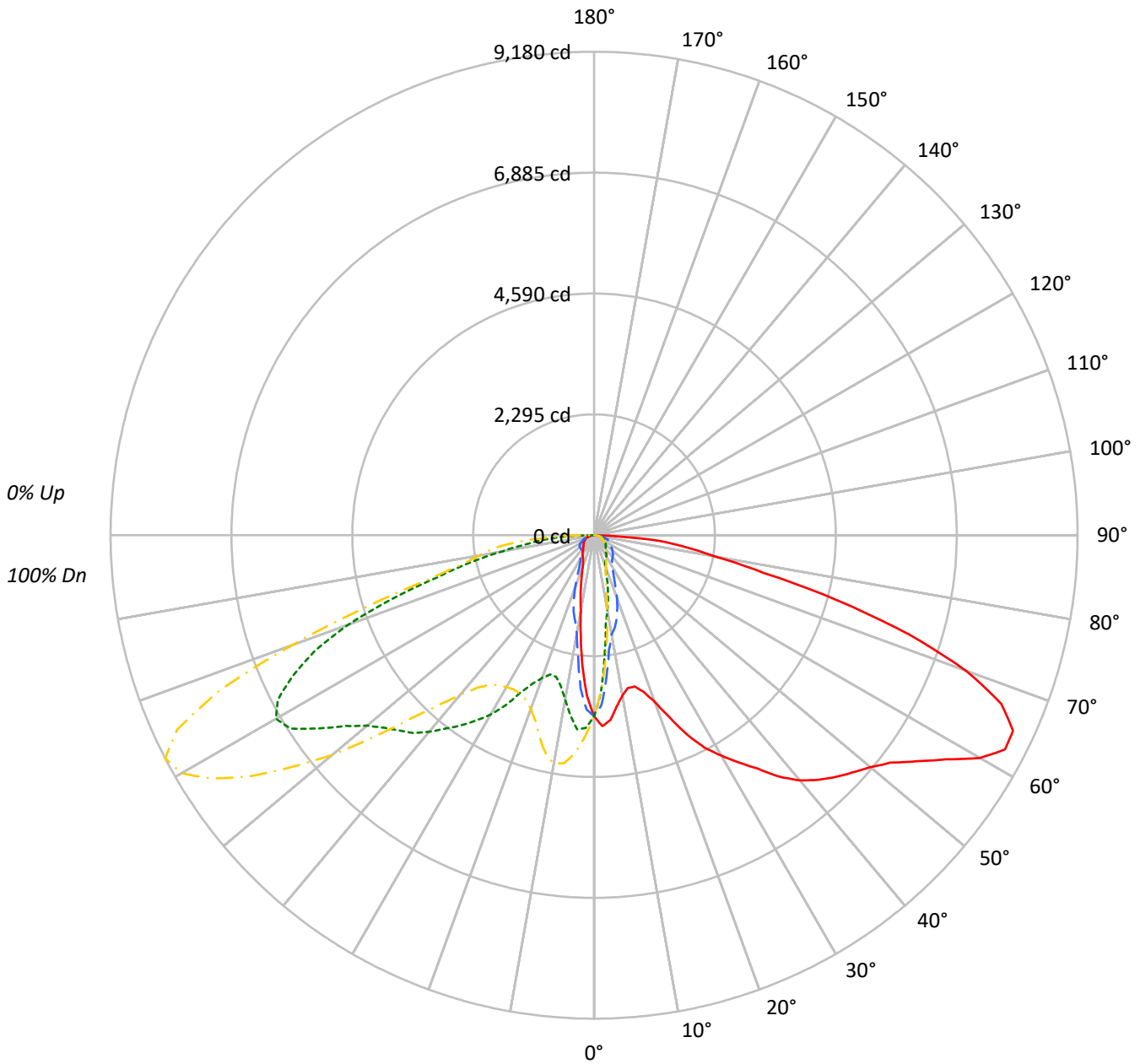
Lumens per Lamp: N/A
 Luminaire Lumens: 11500.5 lumens
 Efficiency: N/A
 Efficacy: 94.0 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 122.4
 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

TEST NUMBER: P598825
CATALOG NUMBER: IFLD-S-SA3B-830-U-SLR

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - 90°-270° - · · - 135°-315°

TEST NUMBER: P598825
 CATALOG NUMBER: IFLD-S-SA3B-830-U-SLR

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°	49304	49304	49304	49304
5°	50740	32996	36046	53305
10°	45017	20965	21176	46069
15°	44181	14870	14084	41321
20°	51366	9407	9480	44018
25°	66060	8076	7848	52040
30°	80055	7655	7176	65145
35°	94752	6744	6491	77218
40°	113851	6400	5950	91225
45°	131739	6347	5762	106348
50°	152980	6446	5801	125584
55°	187210	6621	5900	160002
60°	242794	6631	6214	200120
65°	298035	6700	6371	214213
70°	315370	7066	6664	208564
75°	265468	7469	6671	170219
80°	192870	8753	6761	147140
85°	204421	12680	5549	152912

TEST NUMBER: P598825
 CATALOG NUMBER: IFLD-S-SA3B-830-U-SLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.9	2.3
10°-20°	556.4	4.8
20°-30°	801.9	7.0
30°-40°	1154.4	10.0
40°-50°	1639.7	14.3
50°-60°	2357.5	20.5
60°-70°	2723.6	23.7
70°-80°	1542.2	13.4
80°-90°	459.0	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°	1624.2	14.1
0°-40°	2778.6	24.2
0°-60°	6775.7	58.9
0°-90°	11500.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11500.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3435	3435	3435	3435	3435	
5°	3522	2290	2502	3700	3522	320
15°	2974	1001	948	2781	2974	874
25°	4172	510	496	3286	4172	1936
35°	5408	385	370	4407	5408	3432
45°	6491	313	284	5240	6491	5026
55°	7482	265	236	6394	7482	6776
65°	8776	197	188	6308	8776	8416
75°	4787	135	120	3070	4787	5080
85°	1241	77	34	929	1241	1236
90°	0	0	0	0	0	

TEST NUMBER: P598825
 CATALOG NUMBER: IFLD-S-SA3B-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4
2.5°	3627.9	3623.1	3594.2	3502.8	3406.5	3315.1	3228.5	3137.1	3089.0	3031.2	3007.2
5°	3522.0	3512.4	3430.6	3228.5	3050.5	2858.0	2694.4	2564.5	2458.7	2352.8	2314.3
7.5°	3281.4	3267.0	3170.8	2891.7	2631.9	2381.7	2184.4	2016.0	1876.5	1813.9	1741.8
10°	3089.0	3064.9	2939.8	2631.9	2295.1	2044.9	1915.0	1799.5	1679.2	1578.2	1472.3
12.5°	2968.7	2939.8	2809.9	2449.1	2121.9	1934.2	1799.5	1669.6	1520.4	1395.3	1279.9
15°	2973.5	2939.8	2781.0	2400.9	2078.6	1838.0	1650.3	1472.3	1299.1	1159.6	1029.7
17.5°	3113.0	3069.7	2901.3	2468.3	2044.9	1712.9	1462.7	1231.7	1034.5	885.3	779.5
20°	3363.2	3334.4	3141.9	2569.3	2011.2	1578.2	1270.2	991.2	784.3	668.8	625.5
22.5°	3738.5	3704.9	3498.0	2723.3	2001.6	1457.9	1063.3	779.5	630.3	582.2	558.1
25°	4171.6	4109.0	3916.6	2983.1	2020.8	1347.2	894.9	644.7	562.9	529.3	514.8
27.5°	4546.9	4508.4	4291.9	3228.5	2030.5	1260.6	779.5	587.0	524.5	495.6	486.0
30°	4830.7	4816.3	4604.6	3498.0	2006.4	1154.8	707.3	562.9	524.5	495.6	466.7
32.5°	5114.6	5119.4	4893.3	3704.9	1972.7	1063.3	639.9	500.4	461.9	442.7	447.5
35°	5408.1	5432.2	5239.7	3906.9	1900.5	1029.7	591.8	466.7	433.0	404.2	389.7
37.5°	5778.6	5841.2	5653.5	4133.1	1828.4	1000.8	567.8	442.7	409.0	384.9	365.7
40°	6076.9	6192.4	6081.7	4344.8	1780.3	967.1	548.5	418.6	394.5	365.7	351.2
42.5°	6298.3	6433.0	6394.5	4508.4	1780.3	933.4	529.3	404.2	384.9	351.2	332.0
45°	6490.7	6630.2	6625.4	4676.8	1818.7	914.2	505.2	404.2	375.3	341.6	322.4
47.5°	6663.9	6803.5	6851.6	4888.5	1881.3	904.6	476.3	394.5	375.3	336.8	307.9
50°	6851.6	7005.5	7149.9	5225.3	1958.3	880.5	457.1	380.1	380.1	332.0	298.3
52.5°	7092.2	7265.4	7530.0	5643.9	2035.3	837.2	428.2	370.5	380.1	327.2	288.7
55°	7481.9	7626.2	7972.7	6144.3	2131.5	784.3	404.2	346.4	360.9	312.7	274.3
57.5°	7919.7	8044.8	8333.5	6529.2	2160.4	716.9	370.5	322.4	346.4	298.3	255.0
60°	8458.6	8521.2	8521.2	6639.9	2064.1	654.4	346.4	303.1	312.7	283.9	240.6
62.5°	8800.2	8800.2	8521.2	6437.8	1881.3	601.4	327.2	283.9	274.3	264.6	226.1
65°	8776.2	8737.7	8323.9	5850.8	1669.6	567.8	307.9	259.8	245.4	240.6	211.7
67.5°	8372.0	8304.7	7741.7	5023.2	1448.3	553.3	288.7	235.8	226.1	216.5	192.5
70°	7515.6	7342.4	6649.5	4041.7	1231.7	543.7	283.9	216.5	206.9	197.3	178.0
72.5°	6274.2	6052.9	5191.6	3108.2	1034.5	510.0	269.4	192.5	187.6	178.0	158.8
75°	4787.4	4378.5	3623.1	2376.9	803.5	442.7	231.0	168.4	168.4	163.6	144.3
77.5°	3300.7	3089.0	2526.0	1756.2	587.0	341.6	187.6	149.2	149.2	154.0	134.7
80°	2333.6	2136.3	1799.5	1260.6	370.5	231.0	144.3	125.1	139.5	149.2	125.1
82.5°	1785.1	1640.7	1337.6	919.0	216.5	158.8	110.7	101.0	120.3	129.9	105.9
85°	1241.4	1068.2	678.4	615.9	125.1	96.2	81.8	81.8	105.9	129.9	96.2
87.5°	351.2	149.2	43.3	182.8	52.9	38.5	28.9	19.2	28.9	28.9	19.2
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: P598825
 CATALOG NUMBER: IFLD-S-SA3B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4
2.5°	2983.1	2954.3	2954.3	2944.6	2949.5	2954.3	2949.5	2983.1	2997.6	3016.8	3055.3
5°	2290.3	2328.8	2299.9	2328.8	2367.3	2425.0	2439.4	2482.7	2487.5	2521.2	2502.0
7.5°	1698.5	1693.6	1669.6	1703.3	1809.1	1890.9	1929.4	1953.5	1958.3	1958.3	1934.2
10°	1438.6	1395.3	1352.0	1328.0	1337.6	1424.2	1453.1	1467.5	1457.9	1472.3	1453.1
12.5°	1231.7	1193.3	1130.7	1087.4	1058.5	1082.6	1111.5	1125.9	1135.5	1159.6	1178.8
15°	1000.8	962.3	923.8	899.8	875.7	856.4	880.5	894.9	919.0	938.2	947.9
17.5°	760.2	741.0	721.7	736.2	736.2	726.5	736.2	741.0	750.6	765.0	760.2
20°	615.9	611.1	606.2	630.3	649.6	649.6	659.2	644.7	639.9	625.5	620.7
22.5°	548.5	548.5	553.3	572.6	591.8	601.4	601.4	577.4	553.3	543.7	548.5
25°	510.0	510.0	524.5	529.3	538.9	538.9	543.7	519.6	505.2	490.8	495.6
27.5°	481.2	481.2	486.0	486.0	490.8	490.8	495.6	486.0	466.7	461.9	461.9
30°	461.9	461.9	457.1	457.1	457.1	457.1	461.9	447.5	437.8	433.0	433.0
32.5°	442.7	437.8	433.0	433.0	428.2	428.2	433.0	418.6	413.8	413.8	413.8
35°	384.9	380.1	384.9	394.5	394.5	399.4	399.4	394.5	384.9	375.3	370.5
37.5°	360.9	356.1	356.1	356.1	365.7	370.5	375.3	365.7	351.2	336.8	336.8
40°	341.6	341.6	336.8	336.8	336.8	346.4	356.1	341.6	322.4	317.6	317.6
42.5°	327.2	322.4	317.6	312.7	307.9	322.4	332.0	312.7	303.1	303.1	303.1
45°	312.7	307.9	303.1	298.3	293.5	298.3	307.9	288.7	283.9	283.9	283.9
47.5°	298.3	293.5	283.9	279.1	274.3	274.3	283.9	269.4	264.6	269.4	269.4
50°	288.7	279.1	269.4	264.6	259.8	259.8	259.8	255.0	255.0	255.0	259.8
52.5°	279.1	269.4	255.0	250.2	245.4	245.4	245.4	245.4	240.6	245.4	250.2
55°	264.6	255.0	245.4	240.6	235.8	231.0	235.8	231.0	231.0	235.8	235.8
57.5°	245.4	235.8	226.1	226.1	221.3	221.3	226.1	221.3	221.3	226.1	226.1
60°	231.0	221.3	211.7	211.7	206.9	211.7	216.5	211.7	211.7	211.7	216.5
62.5°	211.7	206.9	197.3	197.3	197.3	197.3	202.1	197.3	202.1	202.1	202.1
65°	197.3	187.6	182.8	182.8	182.8	182.8	192.5	182.8	187.6	187.6	187.6
67.5°	182.8	173.2	168.4	168.4	168.4	168.4	178.0	168.4	173.2	178.0	173.2
70°	168.4	158.8	154.0	154.0	154.0	154.0	158.8	154.0	154.0	158.8	158.8
72.5°	149.2	144.3	139.5	139.5	134.7	139.5	144.3	139.5	139.5	139.5	139.5
75°	134.7	129.9	129.9	125.1	125.1	125.1	129.9	120.3	120.3	120.3	120.3
77.5°	125.1	115.5	115.5	115.5	110.7	115.5	110.7	101.0	101.0	101.0	101.0
80°	105.9	96.2	101.0	101.0	96.2	96.2	91.4	81.8	81.8	81.8	81.8
82.5°	86.6	77.0	81.8	81.8	81.8	81.8	72.2	67.4	62.5	57.7	57.7
85°	77.0	62.5	72.2	72.2	67.4	67.4	48.1	48.1	38.5	38.5	33.7
87.5°	14.4	9.6	19.2	24.1	24.1	28.9	19.2	24.1	14.4	9.6	9.6
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: P598825
 CATALOG NUMBER: IFLD-S-SA3B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4
2.5°	3050.5	3103.4	3175.6	3228.5	3310.3	3372.9	3469.1	3550.9	3627.9	3661.6	3695.2
5°	2559.7	2593.4	2704.1	2790.7	2920.6	3060.1	3233.3	3421.0	3613.4	3700.0	3801.1
7.5°	1915.0	1977.5	2040.1	2165.2	2324.0	2550.1	2771.4	3050.5	3319.9	3449.8	3623.1
10°	1486.8	1534.9	1607.0	1737.0	1886.1	2073.8	2338.4	2670.4	2992.8	3161.2	3339.2
12.5°	1193.3	1260.6	1356.8	1491.6	1664.8	1857.2	2049.7	2357.6	2732.9	2925.4	3127.5
15°	967.1	1020.0	1125.9	1294.3	1496.4	1693.6	1895.7	2150.7	2559.7	2781.0	3021.6
17.5°	769.8	808.3	904.6	1073.0	1275.0	1496.4	1727.3	2049.7	2502.0	2771.4	3055.3
20°	625.5	654.4	716.9	842.0	1034.5	1275.0	1563.7	1953.5	2535.7	2882.1	3228.5
22.5°	548.5	558.1	587.0	654.4	813.1	1068.2	1414.6	1871.7	2598.2	3045.7	3512.4
25°	495.6	505.2	514.8	558.1	649.6	890.1	1284.7	1823.6	2732.9	3286.3	3839.6
27.5°	461.9	471.5	476.3	495.6	558.1	760.2	1174.0	1794.7	2915.8	3637.5	4243.7
30°	433.0	433.0	447.5	476.3	519.6	668.8	1077.8	1727.3	3108.2	3931.0	4561.3
32.5°	409.0	413.8	433.0	447.5	476.3	591.8	981.5	1640.7	3281.4	4171.6	4874.1
35°	365.7	365.7	370.5	394.5	433.0	529.3	894.9	1554.1	3377.7	4407.3	5153.1
37.5°	336.8	341.6	351.2	370.5	404.2	486.0	822.8	1457.9	3478.7	4628.7	5480.3
40°	317.6	322.4	332.0	351.2	384.9	447.5	760.2	1380.9	3584.6	4869.2	5831.5
42.5°	303.1	307.9	317.6	336.8	365.7	437.8	692.9	1318.4	3647.1	5090.6	6163.5
45°	288.7	293.5	307.9	327.2	351.2	428.2	654.4	1275.0	3671.2	5239.7	6428.2
47.5°	274.3	279.1	293.5	322.4	351.2	413.8	639.9	1251.0	3690.4	5408.1	6639.9
50°	259.8	269.4	288.7	317.6	356.1	394.5	630.3	1246.2	3801.1	5624.6	6842.0
52.5°	250.2	264.6	283.9	317.6	351.2	365.7	625.5	1260.6	4022.4	5947.0	7130.6
55°	240.6	255.0	274.3	317.6	336.8	341.6	601.4	1284.7	4359.2	6394.5	7539.6
57.5°	231.0	240.6	264.6	307.9	317.6	322.4	553.3	1318.4	4696.0	6832.3	7958.2
60°	216.5	226.1	250.2	307.9	288.7	303.1	490.8	1328.0	4936.6	6971.9	7996.7
62.5°	202.1	211.7	235.8	317.6	264.6	283.9	437.8	1294.3	4984.7	6769.8	7780.2
65°	187.6	197.3	216.5	264.6	245.4	264.6	404.2	1202.9	4825.9	6307.9	7385.7
67.5°	173.2	182.8	197.3	216.5	221.3	240.6	389.7	1058.5	4426.6	5735.3	6846.8
70°	154.0	163.6	178.0	192.5	197.3	226.1	365.7	919.0	3781.8	4970.3	6187.6
72.5°	139.5	144.3	158.8	168.4	178.0	206.9	351.2	803.5	2891.7	4022.4	5047.3
75°	120.3	120.3	134.7	144.3	154.0	182.8	322.4	668.8	2040.1	3069.7	3709.7
77.5°	101.0	101.0	110.7	120.3	129.9	158.8	274.3	543.7	1414.6	2434.6	2689.6
80°	77.0	77.0	86.6	96.2	105.9	134.7	221.3	399.4	875.7	1780.3	1958.3
82.5°	52.9	52.9	67.4	72.2	77.0	105.9	168.4	274.3	514.8	1284.7	1400.1
85°	28.9	28.9	38.5	43.3	52.9	77.0	125.1	192.5	307.9	928.6	933.4
87.5°	4.8	4.8	14.4	14.4	24.1	38.5	72.2	105.9	173.2	514.8	327.2
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: P598825
 CATALOG NUMBER: IFLD-S-SA3B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4
2.5°	3757.8	3810.7	3815.5	3815.5	3791.5	3796.3	3728.9	3656.7	3632.7	3627.9
5°	3955.1	4094.6	4133.1	4152.3	4089.8	3993.5	3820.3	3632.7	3536.5	3522.0
7.5°	3916.6	4195.6	4344.8	4364.0	4238.9	4012.8	3709.7	3421.0	3310.3	3281.4
10°	3690.4	4065.7	4335.2	4402.5	4267.8	3979.1	3584.6	3247.8	3113.0	3089.0
12.5°	3531.6	3892.5	4157.1	4248.6	4186.0	3935.8	3522.0	3137.1	3002.4	2968.7
15°	3445.0	3777.0	3950.2	3979.1	3974.3	3868.4	3522.0	3161.2	3012.0	2973.5
17.5°	3517.2	3743.3	3767.4	3700.0	3738.5	3791.5	3599.0	3291.1	3146.7	3113.0
20°	3661.6	3728.9	3613.4	3512.4	3531.6	3700.0	3719.3	3536.5	3421.0	3363.2
22.5°	3964.7	3781.8	3517.2	3377.7	3392.1	3627.9	3878.1	3868.4	3767.4	3738.5
25°	4272.6	3931.0	3488.3	3324.7	3344.0	3613.4	4065.7	4238.9	4186.0	4171.6
27.5°	4614.2	4181.2	3507.6	3300.7	3324.7	3632.7	4195.6	4551.7	4561.3	4546.9
30°	4845.2	4301.5	3565.3	3329.6	3363.2	3680.8	4224.5	4739.3	4825.9	4830.7
32.5°	5037.6	4421.8	3685.6	3377.7	3435.4	3767.4	4301.5	4917.4	5109.8	5114.6
35°	5191.6	4556.5	3834.8	3464.3	3550.9	3911.8	4402.5	5085.8	5374.4	5408.1
37.5°	5388.9	4705.6	4008.0	3651.9	3748.2	4118.6	4580.5	5283.0	5687.2	5778.6
40°	5600.6	4854.8	4258.2	3955.1	4094.6	4426.6	4782.6	5504.4	5951.8	6076.9
42.5°	5836.4	5013.6	4542.1	4364.0	4575.7	4816.3	5013.6	5706.4	6153.9	6298.3
45°	6067.3	5206.0	4955.8	4922.2	5157.9	5278.2	5239.7	5850.8	6346.4	6490.7
47.5°	6230.9	5485.1	5456.2	5658.3	5879.7	5817.1	5504.4	5956.6	6505.1	6663.9
50°	6380.1	5831.5	6086.5	6481.1	6615.8	6404.1	5788.2	6101.0	6673.6	6851.6
52.5°	6601.4	6202.0	6736.1	7226.9	7356.8	7020.0	6096.2	6336.7	6933.4	7092.2
55°	7053.7	6620.6	7414.5	7977.5	8001.5	7582.9	6510.0	6736.1	7299.0	7481.9
57.5°	7558.9	7135.5	7953.4	8598.2	8588.5	8145.9	6976.7	7275.0	7794.6	7919.7
60°	8016.0	7655.1	8540.4	9040.8	9016.8	8554.8	7520.4	7886.1	8362.4	8458.6
62.5°	8285.4	8126.6	8800.2	9180.3	9088.9	8689.6	7982.3	8429.8	8766.6	8800.2
65°	8242.1	8396.1	8497.1	8732.9	8603.0	8314.3	8208.4	8776.2	8809.9	8776.2
67.5°	7914.9	8242.1	7664.7	7688.8	7621.4	7376.0	7857.2	8684.8	8453.8	8372.0
70°	7419.3	7443.4	6408.9	6105.8	6211.6	5874.8	6740.9	7972.7	7616.6	7515.6
72.5°	6596.6	6298.3	4845.2	4537.2	4696.0	4455.5	5408.1	6947.8	6601.4	6274.2
75°	5533.2	4989.5	3690.4	3252.6	3334.4	3324.7	4190.8	5740.1	5114.6	4787.4
77.5°	4287.0	3887.7	2723.3	2554.9	2468.3	2487.5	2925.4	4267.8	3709.7	3300.7
80°	3132.3	2718.5	2107.4	2203.7	2155.6	2040.1	2049.7	2858.0	2579.0	2333.6
82.5°	2165.2	1934.2	1708.1	1929.4	1813.9	1635.9	1597.4	2059.3	1934.2	1785.1
85°	1453.1	1592.6	1356.8	1477.1	1279.9	1178.8	1501.2	1722.5	1390.5	1241.4
87.5°	947.9	1457.9	976.7	741.0	423.4	567.8	919.0	1130.7	649.6	351.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)