

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: P598797

Luminaire Tested: **IFLD-S-SA3C-827-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598797
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3C-827-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (48) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

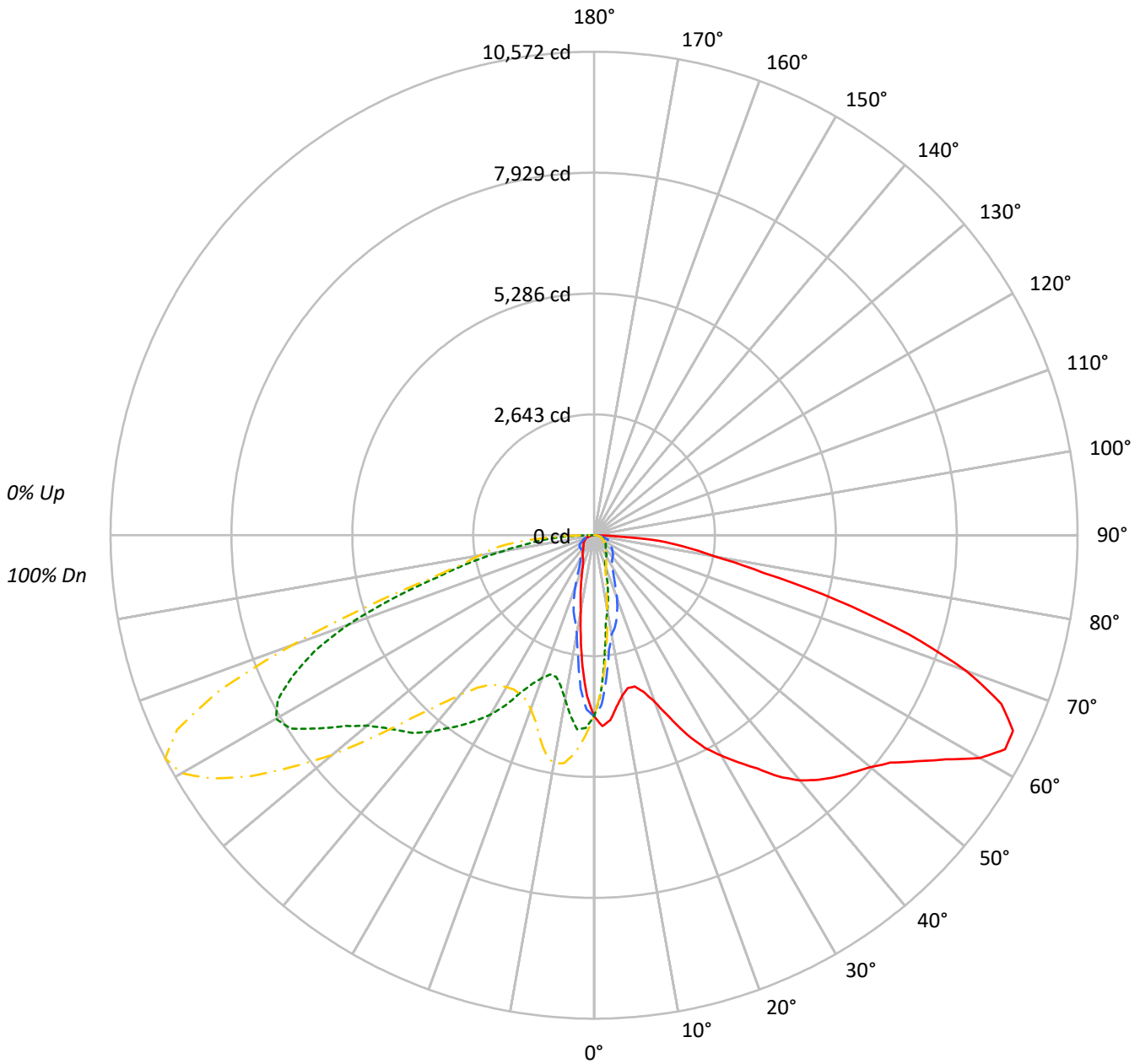
Lumens per Lamp: N/A
 Luminaire Lumens: 13244.2 lumens
 Efficiency: N/A
 Efficacy: 82.4 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 160.8
 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	56780	56780	56780	56780
5°	58434	37998	41510	61388
10°	51842	24145	24387	53054
15°	50880	17124	16219	47586
20°	59155	10833	10917	50692
25°	76076	9300	9037	59930
30°	92194	8815	8265	75022
35°	109119	7767	7476	88927
40°	131114	7370	6851	105057
45°	151715	7311	6635	122474
50°	176173	7424	6680	144627
55°	215595	7627	6793	184260
60°	279606	7635	7156	230463
65°	343221	7716	7339	246692
70°	363186	8136	7675	240187
75°	305720	8601	7680	196032
80°	222112	10075	7786	169447
85°	235411	14606	6389	176097

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.2	2.3
10°-20°	640.8	4.8
20°-30°	923.5	7.0
30°-40°	1329.4	10.0
40°-50°	1888.3	14.3
50°-60°	2714.9	20.5
60°-70°	3136.6	23.7
70°-80°	1776.0	13.4
80°-90°	528.5	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°	1870.4	14.1
0°-40°	3199.9	24.2
0°-60°	7803.1	58.9
0°-90°	13244.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13244.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3956	3956	3956	3956	3956	
5°	4056	2638	2881	4261	4056	368
15°	3424	1152	1092	3203	3424	1007
25°	4804	587	571	3784	4804	2230
35°	6228	443	427	5076	6228	3953
45°	7475	360	327	6034	7475	5788
55°	8616	305	272	7364	8616	7803
65°	10107	227	216	7264	10107	9692
75°	5513	155	138	3535	5513	5850
85°	1430	89	39	1069	1430	1424
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°	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3
2.5°	4177.9	4172.4	4139.2	4033.9	3923.1	3817.8	3718.0	3612.8	3557.3	3490.9	3463.1
5°	4056.0	4045.0	3950.8	3718.0	3513.0	3291.4	3103.0	2953.4	2831.5	2709.6	2665.2
7.5°	3779.0	3762.4	3651.5	3330.2	3030.9	2742.8	2515.6	2321.7	2161.0	2089.0	2005.9
10°	3557.3	3529.6	3385.6	3030.9	2643.1	2354.9	2205.3	2072.3	1933.8	1817.5	1695.6
12.5°	3418.8	3385.6	3236.0	2820.4	2443.6	2227.5	2072.3	1922.7	1751.0	1606.9	1473.9
15°	3424.4	3385.6	3202.7	2765.0	2393.7	2116.7	1900.6	1695.6	1496.1	1335.4	1185.8
17.5°	3585.1	3535.2	3341.2	2842.6	2354.9	1972.6	1684.5	1418.5	1191.3	1019.6	897.6
20°	3873.2	3839.9	3618.3	2958.9	2316.2	1817.5	1462.8	1141.5	903.2	770.2	720.3
22.5°	4305.4	4266.6	4028.3	3136.2	2305.1	1678.9	1224.6	897.6	725.9	670.5	642.8
25°	4804.1	4732.0	4510.4	3435.4	2327.2	1551.5	1030.6	742.5	648.3	609.5	592.9
27.5°	5236.3	5192.0	4942.6	3718.0	2338.3	1451.8	897.6	676.0	604.0	570.7	559.6
30°	5563.2	5546.6	5302.8	4028.3	2310.6	1329.8	814.5	648.3	604.0	570.7	537.5
32.5°	5890.1	5895.7	5635.2	4266.6	2271.8	1224.6	737.0	576.3	531.9	509.8	515.3
35°	6228.1	6255.8	6034.2	4499.3	2188.7	1185.8	681.5	537.5	498.7	465.4	448.8
37.5°	6654.8	6726.8	6510.7	4759.8	2105.6	1152.5	653.8	509.8	471.0	443.3	421.1
40°	6998.3	7131.3	7003.9	5003.6	2050.2	1113.7	631.7	482.1	454.4	421.1	404.5
42.5°	7253.2	7408.4	7364.0	5192.0	2050.2	1075.0	609.5	465.4	443.3	404.5	382.3
45°	7474.9	7635.5	7630.0	5385.9	2094.5	1052.8	581.8	465.4	432.2	393.4	371.2
47.5°	7674.3	7835.0	7890.4	5629.7	2166.5	1041.7	548.6	454.4	432.2	387.9	354.6
50°	7890.4	8067.7	8234.0	6017.6	2255.2	1014.0	526.4	437.7	437.7	382.3	343.5
52.5°	8167.5	8367.0	8671.7	6499.6	2343.9	964.1	493.2	426.7	437.7	376.8	332.5
55°	8616.3	8782.5	9181.5	7075.9	2454.7	903.2	465.4	399.0	415.6	360.2	315.8
57.5°	9120.5	9264.6	9597.1	7519.2	2487.9	825.6	426.7	371.2	399.0	343.5	293.7
60°	9741.1	9813.2	9813.2	7646.6	2377.1	753.6	399.0	349.1	360.2	326.9	277.1
62.5°	10134.6	10134.6	9813.2	7413.9	2166.5	692.6	376.8	326.9	315.8	304.8	260.4
65°	10106.8	10062.5	9586.0	6737.9	1922.7	653.8	354.6	299.2	282.6	277.1	243.8
67.5°	9641.4	9563.8	8915.5	5784.8	1667.9	637.2	332.5	271.5	260.4	249.3	221.6
70°	8655.1	8455.6	7657.7	4654.5	1418.5	626.1	326.9	249.3	238.3	227.2	205.0
72.5°	7225.5	6970.6	5978.8	3579.5	1191.3	587.3	310.3	221.6	216.1	205.0	182.9
75°	5513.3	5042.3	4172.4	2737.3	925.4	509.8	266.0	193.9	193.9	188.4	166.2
77.5°	3801.2	3557.3	2909.0	2022.5	676.0	393.4	216.1	171.8	171.8	177.3	155.1
80°	2687.4	2460.2	2072.3	1451.8	426.7	266.0	166.2	144.1	160.7	171.8	144.1
82.5°	2055.7	1889.5	1540.4	1058.3	249.3	182.9	127.4	116.4	138.5	149.6	121.9
85°	1429.6	1230.1	781.3	709.3	144.1	110.8	94.2	94.2	121.9	149.6	110.8
87.5°	404.5	171.8	49.9	210.6	61.0	44.3	33.2	22.2	33.2	33.2	22.2
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°	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3
2.5°	3435.4	3402.2	3402.2	3391.1	3396.7	3402.2	3396.7	3435.4	3452.1	3474.2	3518.6
5°	2637.5	2681.9	2648.6	2681.9	2726.2	2792.7	2809.3	2859.2	2864.7	2903.5	2881.3
7.5°	1956.0	1950.4	1922.7	1961.5	2083.4	2177.6	2222.0	2249.7	2255.2	2255.2	2227.5
10°	1656.8	1606.9	1557.0	1529.3	1540.4	1640.1	1673.4	1690.0	1678.9	1695.6	1673.4
12.5°	1418.5	1374.2	1302.1	1252.3	1219.0	1246.7	1280.0	1296.6	1307.7	1335.4	1357.6
15°	1152.5	1108.2	1063.9	1036.2	1008.5	986.3	1014.0	1030.6	1058.3	1080.5	1091.6
17.5°	875.5	853.3	831.2	847.8	847.8	836.7	847.8	853.3	864.4	881.0	875.5
20°	709.3	703.7	698.2	725.9	748.0	748.0	759.1	742.5	737.0	720.3	714.8
22.5°	631.7	631.7	637.2	659.4	681.5	692.6	692.6	664.9	637.2	626.1	631.7
25°	587.3	587.3	604.0	609.5	620.6	620.6	626.1	598.4	581.8	565.2	570.7
27.5°	554.1	554.1	559.6	559.6	565.2	565.2	570.7	559.6	537.5	531.9	531.9
30°	531.9	531.9	526.4	526.4	526.4	526.4	531.9	515.3	504.2	498.7	498.7
32.5°	509.8	504.2	498.7	498.7	493.2	493.2	498.7	482.1	476.5	476.5	476.5
35°	443.3	437.7	443.3	454.4	454.4	459.9	459.9	454.4	443.3	432.2	426.7
37.5°	415.6	410.0	410.0	410.0	421.1	426.7	432.2	421.1	404.5	387.9	387.9
40°	393.4	393.4	387.9	387.9	387.9	399.0	410.0	393.4	371.2	365.7	365.7
42.5°	376.8	371.2	365.7	360.2	354.6	371.2	382.3	360.2	349.1	349.1	349.1
45°	360.2	354.6	349.1	343.5	338.0	343.5	354.6	332.5	326.9	326.9	326.9
47.5°	343.5	338.0	326.9	321.4	315.8	315.8	326.9	310.3	304.8	310.3	310.3
50°	332.5	321.4	310.3	304.8	299.2	299.2	299.2	293.7	293.7	293.7	299.2
52.5°	321.4	310.3	293.7	288.1	282.6	282.6	282.6	282.6	277.1	282.6	288.1
55°	304.8	293.7	282.6	277.1	271.5	266.0	271.5	266.0	266.0	271.5	271.5
57.5°	282.6	271.5	260.4	260.4	254.9	254.9	260.4	254.9	254.9	260.4	260.4
60°	266.0	254.9	243.8	243.8	238.3	243.8	249.3	243.8	243.8	243.8	249.3
62.5°	243.8	238.3	227.2	227.2	227.2	227.2	232.7	227.2	232.7	232.7	232.7
65°	227.2	216.1	210.6	210.6	210.6	210.6	221.6	210.6	216.1	216.1	216.1
67.5°	210.6	199.5	193.9	193.9	193.9	193.9	205.0	193.9	199.5	205.0	199.5
70°	193.9	182.9	177.3	177.3	177.3	177.3	182.9	177.3	177.3	182.9	182.9
72.5°	171.8	166.2	160.7	160.7	155.1	160.7	166.2	160.7	160.7	160.7	160.7
75°	155.1	149.6	149.6	144.1	144.1	144.1	149.6	138.5	138.5	138.5	138.5
77.5°	144.1	133.0	133.0	133.0	127.4	133.0	127.4	116.4	116.4	116.4	116.4
80°	121.9	110.8	116.4	116.4	110.8	110.8	105.3	94.2	94.2	94.2	94.2
82.5°	99.7	88.7	94.2	94.2	94.2	94.2	83.1	77.6	72.0	66.5	66.5
85°	88.7	72.0	83.1	83.1	77.6	77.6	55.4	55.4	44.3	44.3	38.8
87.5°	16.6	11.1	22.2	27.7	27.7	33.2	22.2	27.7	16.6	11.1	11.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3
2.5°	3513.0	3574.0	3657.1	3718.0	3812.2	3884.3	3995.1	4089.3	4177.9	4216.7	4255.5
5°	2947.8	2986.6	3114.1	3213.8	3363.4	3524.1	3723.6	3939.7	4161.3	4261.1	4377.4
7.5°	2205.3	2277.4	2349.4	2493.5	2676.3	2936.7	3191.6	3513.0	3823.3	3972.9	4172.4
10°	1712.2	1767.6	1850.7	2000.3	2172.1	2388.2	2692.9	3075.3	3446.5	3640.5	3845.5
12.5°	1374.2	1451.8	1562.6	1717.7	1917.2	2138.8	2360.5	2715.1	3147.3	3368.9	3601.7
15°	1113.7	1174.7	1296.6	1490.5	1723.3	1950.4	2183.2	2476.8	2947.8	3202.7	3479.8
17.5°	886.6	930.9	1041.7	1235.7	1468.4	1723.3	1989.2	2360.5	2881.3	3191.6	3518.6
20°	720.3	753.6	825.6	969.7	1191.3	1468.4	1800.8	2249.7	2920.1	3319.1	3718.0
22.5°	631.7	642.8	676.0	753.6	936.4	1230.1	1629.1	2155.5	2992.2	3507.5	4045.0
25°	570.7	581.8	592.9	642.8	748.0	1025.1	1479.5	2100.1	3147.3	3784.5	4421.7
27.5°	531.9	543.0	548.6	570.7	642.8	875.5	1352.0	2066.8	3357.9	4189.0	4887.2
30°	498.7	498.7	515.3	548.6	598.4	770.2	1241.2	1989.2	3579.5	4527.0	5252.9
32.5°	471.0	476.5	498.7	515.3	548.6	681.5	1130.4	1889.5	3779.0	4804.1	5613.1
35°	421.1	421.1	426.7	454.4	498.7	609.5	1030.6	1789.8	3889.8	5075.6	5934.4
37.5°	387.9	393.4	404.5	426.7	465.4	559.6	947.5	1678.9	4006.2	5330.5	6311.2
40°	365.7	371.2	382.3	404.5	443.3	515.3	875.5	1590.3	4128.1	5607.5	6715.7
42.5°	349.1	354.6	365.7	387.9	421.1	504.2	797.9	1518.2	4200.1	5862.4	7098.1
45°	332.5	338.0	354.6	376.8	404.5	493.2	753.6	1468.4	4227.8	6034.2	7402.8
47.5°	315.8	321.4	338.0	371.2	404.5	476.5	737.0	1440.7	4250.0	6228.1	7646.6
50°	299.2	310.3	332.5	365.7	410.0	454.4	725.9	1435.1	4377.4	6477.5	7879.4
52.5°	288.1	304.8	326.9	365.7	404.5	421.1	720.3	1451.8	4632.3	6848.7	8211.8
55°	277.1	293.7	315.8	365.7	387.9	393.4	692.6	1479.5	5020.2	7364.0	8682.8
57.5°	266.0	277.1	304.8	354.6	365.7	371.2	637.2	1518.2	5408.1	7868.3	9164.9
60°	249.3	260.4	288.1	354.6	332.5	349.1	565.2	1529.3	5685.1	8029.0	9209.2
62.5°	232.7	243.8	271.5	365.7	304.8	326.9	504.2	1490.5	5740.5	7796.2	8959.9
65°	216.1	227.2	249.3	304.8	282.6	304.8	465.4	1385.3	5557.7	7264.3	8505.5
67.5°	199.5	210.6	227.2	249.3	254.9	277.1	448.8	1219.0	5097.8	6604.9	7884.9
70°	177.3	188.4	205.0	221.6	227.2	260.4	421.1	1058.3	4355.3	5723.9	7125.8
72.5°	160.7	166.2	182.9	193.9	205.0	238.3	404.5	925.4	3330.2	4632.3	5812.5
75°	138.5	138.5	155.1	166.2	177.3	210.6	371.2	770.2	2349.4	3535.2	4272.1
77.5°	116.4	116.4	127.4	138.5	149.6	182.9	315.8	626.1	1629.1	2803.8	3097.4
80°	88.7	88.7	99.7	110.8	121.9	155.1	254.9	459.9	1008.5	2050.2	2255.2
82.5°	61.0	61.0	77.6	83.1	88.7	121.9	193.9	315.8	592.9	1479.5	1612.4
85°	33.2	33.2	44.3	49.9	61.0	88.7	144.1	221.6	354.6	1069.4	1075.0
87.5°	5.5	5.5	16.6	16.6	27.7	44.3	83.1	121.9	199.5	592.9	376.8
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: P598797
 CATALOG NUMBER: IFLD-S-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3	3956.3
2.5°	4327.5	4388.5	4394.0	4394.0	4366.3	4371.9	4294.3	4211.2	4183.5	4177.9
5°	4554.7	4715.4	4759.8	4781.9	4709.9	4599.1	4399.6	4183.5	4072.7	4056.0
7.5°	4510.4	4831.8	5003.6	5025.7	4881.7	4621.2	4272.1	3939.7	3812.2	3779.0
10°	4250.0	4682.2	4992.5	5070.0	4914.9	4582.4	4128.1	3740.2	3585.1	3557.3
12.5°	4067.1	4482.7	4787.5	4892.7	4820.7	4532.6	4056.0	3612.8	3457.6	3418.8
15°	3967.4	4349.7	4549.2	4582.4	4576.9	4455.0	4056.0	3640.5	3468.7	3424.4
17.5°	4050.5	4310.9	4338.6	4261.1	4305.4	4366.3	4144.7	3790.1	3623.8	3585.1
20°	4216.7	4294.3	4161.3	4045.0	4067.1	4261.1	4283.2	4072.7	3939.7	3873.2
22.5°	4565.8	4355.3	4050.5	3889.8	3906.4	4177.9	4466.1	4455.0	4338.6	4305.4
25°	4920.4	4527.0	4017.3	3828.9	3851.0	4161.3	4682.2	4881.7	4820.7	4804.1
27.5°	5313.9	4815.2	4039.4	3801.2	3828.9	4183.5	4831.8	5241.8	5252.9	5236.3
30°	5579.8	4953.7	4105.9	3834.4	3873.2	4238.9	4865.0	5457.9	5557.7	5563.2
32.5°	5801.5	5092.2	4244.4	3889.8	3956.3	4338.6	4953.7	5662.9	5884.6	5890.1
35°	5978.8	5247.4	4416.2	3989.5	4089.3	4504.9	5070.0	5856.9	6189.3	6228.1
37.5°	6206.0	5419.1	4615.7	4205.6	4316.5	4743.1	5275.1	6084.1	6549.5	6654.8
40°	6449.8	5590.9	4903.8	4554.7	4715.4	5097.8	5507.8	6338.9	6854.3	6998.3
42.5°	6721.3	5773.8	5230.7	5025.7	5269.5	5546.6	5773.8	6571.7	7087.0	7253.2
45°	6987.2	5995.4	5707.3	5668.5	5940.0	6078.5	6034.2	6737.9	7308.6	7474.9
47.5°	7175.6	6316.8	6283.5	6516.3	6771.1	6699.1	6338.9	6859.8	7491.5	7674.3
50°	7347.4	6715.7	7009.4	7463.8	7618.9	7375.1	6665.9	7026.0	7685.4	7890.4
52.5°	7602.3	7142.4	7757.5	8322.6	8472.2	8084.4	7020.5	7297.5	7984.6	8167.5
55°	8123.2	7624.5	8538.7	9187.0	9214.7	8732.7	7497.0	7757.5	8405.8	8616.3
57.5°	8705.0	8217.4	9159.3	9901.8	9890.7	9381.0	8034.5	8378.0	8976.5	9120.5
60°	9231.4	8815.8	9835.3	10411.6	10383.9	9852.0	8660.6	9081.8	9630.3	9741.1
62.5°	9541.7	9358.8	10134.6	10572.3	10467.0	10007.1	9192.6	9707.9	10095.8	10134.6
65°	9491.8	9669.1	9785.5	10057.0	9907.4	9574.9	9453.0	10106.8	10145.6	10106.8
67.5°	9115.0	9491.8	8826.9	8854.6	8777.0	8494.4	9048.5	10001.6	9735.6	9641.4
70°	8544.3	8572.0	7380.7	7031.6	7153.5	6765.6	7763.0	9181.5	8771.5	8655.1
72.5°	7596.8	7253.2	5579.8	5225.2	5408.1	5131.0	6228.1	8001.3	7602.3	7225.5
75°	6372.2	5746.1	4250.0	3745.7	3839.9	3828.9	4826.2	6610.5	5890.1	5513.3
77.5°	4937.1	4477.2	3136.2	2942.3	2842.6	2864.7	3368.9	4914.9	4272.1	3801.2
80°	3607.2	3130.7	2427.0	2537.8	2482.4	2349.4	2360.5	3291.4	2970.0	2687.4
82.5°	2493.5	2227.5	1967.1	2222.0	2089.0	1884.0	1839.6	2371.6	2227.5	2055.7
85°	1673.4	1834.1	1562.6	1701.1	1473.9	1357.6	1728.8	1983.7	1601.4	1429.6
87.5°	1091.6	1678.9	1124.8	853.3	487.6	653.8	1058.3	1302.1	748.0	404.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)