

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: P599369

Luminaire Tested: **IFLD-L-SA8D-830-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599369
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8D-830-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (128) 3000K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

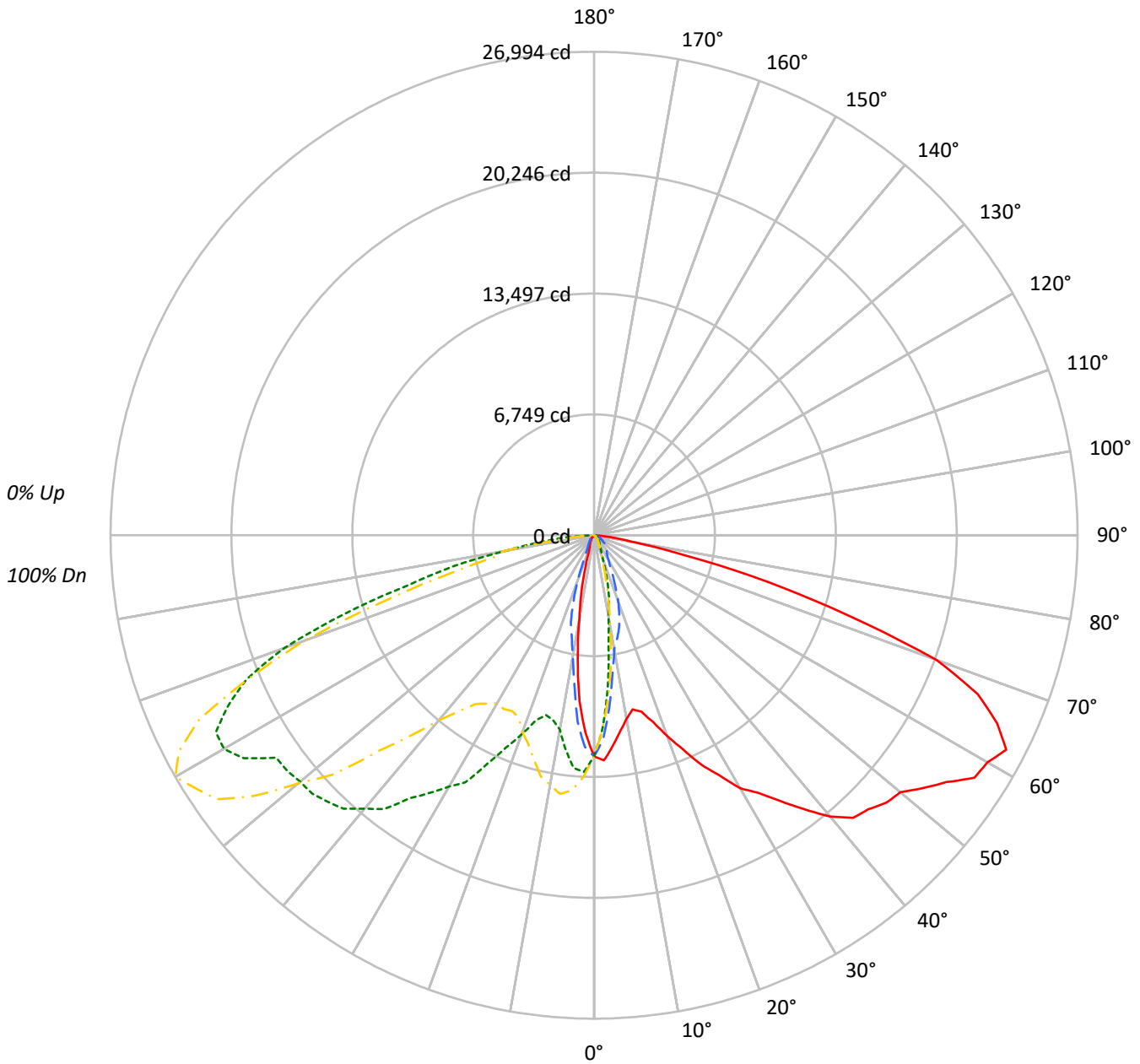
Lumens per Lamp: N/A
 Luminaire Lumens: 32266.7 lumens
 Efficiency: N/A
 Efficacy: 66.1 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 488.3
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	66389	66389	66389	66389
5°	63917	46716	50288	70450
10°	56907	25435	25767	60234
15°	56807	16964	10372	57874
20°	68209	8470	4135	67810
25°	83894	5321	3203	83481
30°	101366	4271	2433	100717
35°	118940	3430	1886	117740
40°	143993	2934	1222	140020
45°	164735	2649	662	160167
50°	186900	2550	146	179252
55°	225452	2449	0	203249
60°	272955	2060	0	256755
65°	316064	1662	0	287260
70°	320047	1369	0	289658
75°	207124	905	0	222139
80°	70640	270	0	157190
85°	35451	0	0	115493

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	934.4	2.9
10°-20°	1809.4	5.6
20°-30°	2520.0	7.8
30°-40°	3580.7	11.1
40°-50°	4965.4	15.4
50°-60°	6765.6	21.0
60°-70°	7438.3	23.1
70°-80°	3655.9	11.3
80°-90°	597.0	1.9
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°	5263.9	16.3
0°-40°	8844.5	27.4
0°-60°	20575.6	63.8
0°-90°	32266.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32266.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12336	12336	12336	12336	12336	
5°	11831	8647	9308	13040	11831	1083
15°	10196	3045	1862	10387	10196	3018
25°	14128	896	539	14058	14128	6568
35°	18103	522	287	17920	18103	11491
45°	21644	348	87	21044	21644	16778
55°	24027	261	0	21661	24027	21614
65°	24819	130	0	22557	24819	23985
75°	9961	44	0	10683	9961	10859
85°	574	0	0	1870	574	794
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°	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5
2.5°	12587.8	12735.7	12596.5	12109.3	12022.3	11787.5	11430.8	11404.7	11030.6	11074.1	10874.0
5°	11831.0	11978.8	11683.1	11039.3	10439.1	9960.6	9673.5	9160.3	9047.2	8794.9	8794.9
7.5°	11056.7	11048.0	10543.5	10004.1	9108.1	8229.5	7829.3	7089.9	6654.9	6420.0	6193.9
10°	10413.0	10273.8	9960.6	8847.1	7872.8	6959.4	6463.5	5976.4	5524.0	5132.5	4741.1
12.5°	9960.6	10047.6	9551.8	8342.6	7081.2	6446.1	5915.5	5402.2	4862.9	4419.2	3984.2
15°	10195.5	10056.3	9473.5	8229.5	6950.7	6080.8	5376.1	4749.8	4149.5	3566.7	3236.1
17.5°	10926.2	10569.6	9882.3	8229.5	6681.0	5524.0	4671.5	3932.1	3288.3	2766.4	2357.5
20°	11909.3	11500.4	10761.0	8534.0	6480.9	5115.2	3949.5	3018.6	2348.8	1861.6	1548.5
22.5°	12918.4	12596.5	11483.0	8655.7	6246.1	4567.1	3114.3	2183.5	1565.9	1252.7	1096.1
25°	14127.6	13675.2	12457.3	9142.9	5898.1	4036.4	2453.2	1522.4	1165.7	1000.4	904.7
27.5°	15093.2	15014.9	13370.7	9438.7	5637.1	3601.5	1939.9	1209.2	965.6	843.8	782.9
30°	16311.1	15884.8	14484.2	10030.2	5341.3	3105.6	1618.1	1087.4	887.3	756.8	713.3
32.5°	17041.8	16841.7	15067.1	10360.8	5010.8	2696.8	1391.9	956.9	809.0	713.3	669.8
35°	18103.1	17702.9	15902.2	10569.6	4836.8	2461.9	1252.7	869.9	678.5	582.8	530.7
37.5°	19286.2	19138.3	16902.6	10560.9	4584.5	2322.7	1157.0	809.0	643.7	539.4	478.5
40°	20495.4	19895.2	17511.6	10804.5	4454.0	2218.3	1087.4	774.2	608.9	513.3	435.0
42.5°	21400.1	20712.9	18216.2	10717.5	4297.4	2035.6	1061.3	722.0	582.8	469.8	400.2
45°	21643.7	21400.1	18851.2	10691.4	4184.3	1887.7	1017.8	713.3	565.5	443.7	374.1
47.5°	22113.5	21948.2	19634.2	10734.9	4097.3	1774.6	913.4	730.7	539.4	417.6	356.7
50°	22322.2	22026.5	20269.2	10839.2	3897.3	1635.5	817.7	765.5	530.7	408.9	339.3
52.5°	23183.5	22922.5	21139.1	11135.0	3732.0	1452.8	722.0	730.7	548.1	382.8	321.9
55°	24027.3	23731.5	22478.8	11813.6	3497.1	1304.9	617.6	643.7	522.0	348.0	287.1
57.5°	25184.3	24697.1	23374.8	12091.9	3288.3	1104.8	548.1	530.7	487.2	313.2	252.3
60°	25358.3	25558.4	23244.4	11918.0	3070.8	974.3	478.5	408.9	522.0	278.4	217.5
62.5°	25941.1	25106.0	22635.4	11517.8	2914.2	896.0	426.3	339.3	452.4	243.6	182.7
65°	24818.9	24201.3	21208.7	10230.3	2714.2	904.7	374.1	278.4	287.1	200.1	147.9
67.5°	23174.8	22687.6	18842.5	8829.7	2514.1	887.3	330.6	243.6	217.5	174.0	130.5
70°	20338.8	19286.2	16006.6	7168.2	2218.3	826.4	278.4	217.5	182.7	139.2	95.7
72.5°	14797.4	14371.1	11483.0	5541.4	1992.1	748.1	261.0	182.7	156.6	104.4	78.3
75°	9960.6	9256.0	7246.5	3636.3	1600.7	652.4	217.5	165.3	121.8	78.3	60.9
77.5°	5263.0	4976.0	4106.0	1731.1	887.3	304.5	121.8	95.7	69.6	60.9	34.8
80°	2279.2	2026.9	1774.6	704.6	313.2	139.2	78.3	52.2	43.5	34.8	17.4
82.5°	1165.7	1113.5	922.1	304.5	182.7	104.4	43.5	34.8	26.1	17.4	8.7
85°	574.1	591.5	487.2	95.7	104.4	60.9	8.7	8.7	0.0	0.0	0.0
87.5°	43.5	43.5	34.8	17.4	26.1	8.7	0.0	0.0	0.0	0.0	0.0
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°	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5
2.5°	10795.8	10917.5	10708.8	10839.2	10778.4	10804.5	10830.5	10761.0	10778.4	11021.9	11030.6
5°	8647.0	8881.9	8794.9	8916.7	9125.5	9021.1	9116.8	9099.4	9116.8	9151.6	9308.2
7.5°	6167.8	6098.2	6263.4	6585.3	6959.4	7185.6	7072.5	7011.6	6976.8	6889.8	6994.2
10°	4654.1	4619.3	4575.8	4671.5	4915.1	5167.3	5306.5	5071.7	4941.2	4775.9	4715.0
12.5°	3862.5	3645.0	3523.2	3375.3	3444.9	3671.1	3679.8	3453.6	3244.8	3157.8	3253.5
15°	3044.7	2896.8	2679.4	2470.6	2366.2	2540.2	2392.3	2174.8	1905.1	1870.3	1861.6
17.5°	2174.8	2087.8	1931.2	1844.2	1722.4	1679.0	1522.4	1191.8	1000.4	948.2	965.6
20°	1478.9	1409.3	1400.6	1322.3	1270.1	1235.3	983.0	765.5	704.6	713.3	722.0
22.5°	1096.1	1061.3	1017.8	1009.1	965.6	922.1	722.0	643.7	600.2	600.2	626.3
25°	896.0	878.6	835.1	817.7	800.3	739.4	608.9	548.1	530.7	513.3	539.4
27.5°	765.5	756.8	730.7	704.6	687.2	626.3	530.7	478.5	461.1	461.1	461.1
30°	687.2	687.2	652.4	600.2	600.2	530.7	452.4	417.6	400.2	400.2	391.5
32.5°	643.7	626.3	582.8	548.1	522.0	452.4	400.2	365.4	339.3	339.3	348.0
35°	522.0	522.0	513.3	487.2	452.4	382.8	339.3	304.5	287.1	278.4	287.1
37.5°	461.1	435.0	400.2	408.9	391.5	330.6	287.1	261.0	234.9	234.9	234.9
40°	417.6	391.5	356.7	330.6	321.9	295.8	252.3	208.8	182.7	174.0	174.0
42.5°	374.1	356.7	304.5	261.0	252.3	252.3	191.4	156.6	130.5	130.5	130.5
45°	348.0	321.9	278.4	226.2	182.7	191.4	156.6	113.1	95.7	87.0	87.0
47.5°	330.6	304.5	243.6	191.4	139.2	139.2	113.1	78.3	60.9	52.2	52.2
50°	304.5	278.4	217.5	156.6	104.4	87.0	69.6	43.5	26.1	17.4	17.4
52.5°	287.1	261.0	191.4	130.5	87.0	60.9	43.5	8.7	0.0	0.0	0.0
55°	261.0	226.2	165.3	104.4	69.6	34.8	8.7	0.0	0.0	0.0	0.0
57.5°	226.2	200.1	130.5	78.3	43.5	8.7	0.0	0.0	0.0	0.0	0.0
60°	191.4	165.3	104.4	60.9	17.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	156.6	139.2	78.3	34.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	130.5	104.4	60.9	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	113.1	87.0	43.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	87.0	60.9	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	60.9	43.5	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	43.5	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	26.1	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5
2.5°	11065.4	11326.4	11570.0	11639.6	11831.0	12361.6	12361.6	12613.9	13066.3	13231.5	13266.3
5°	9334.3	9612.7	9664.9	10204.2	10456.5	10995.8	11352.5	12205.0	12718.3	13040.2	13240.2
7.5°	7098.6	7194.3	7394.4	7898.9	8394.8	9047.2	9725.7	10813.1	11717.9	12083.2	12761.8
10°	4880.3	5167.3	5602.3	6054.7	6828.9	7550.9	8429.6	9456.1	10569.6	11021.9	11604.8
12.5°	3288.3	3688.5	4384.4	5028.2	5741.5	6472.2	7307.4	8681.8	9943.2	10569.6	11152.4
15°	1922.5	2409.7	3009.9	4053.8	5002.1	5819.8	6654.9	8046.8	9577.9	10386.9	11100.2
17.5°	974.3	1122.2	1618.1	2522.8	3775.5	5115.2	6359.1	8133.8	9856.2	10847.9	11439.5
20°	730.7	774.2	913.4	1339.7	2583.7	4227.8	6080.8	8264.3	10630.5	11839.7	12161.5
22.5°	635.0	669.8	730.7	869.9	1452.8	3236.1	5689.3	8586.1	11683.1	12822.7	13501.2
25°	539.4	574.1	626.3	713.3	930.8	2200.9	5210.8	8925.4	12622.6	14058.0	14693.0
27.5°	469.8	495.9	548.1	617.6	756.8	1400.6	4384.4	9377.8	14058.0	15554.2	15719.5
30°	400.2	426.3	469.8	548.1	643.7	991.7	3218.7	9438.7	14849.6	16206.7	16667.7
32.5°	348.0	356.7	408.9	478.5	539.4	782.9	2261.8	9499.6	15432.4	17050.5	17146.2
35°	287.1	304.5	356.7	400.2	469.8	617.6	1713.7	9195.1	16189.3	17920.4	17894.3
37.5°	234.9	261.0	295.8	330.6	382.8	522.0	1365.8	8629.6	17137.5	19268.8	18451.1
40°	182.7	208.8	243.6	287.1	321.9	469.8	1026.5	7777.1	18129.2	19929.9	19060.0
42.5°	130.5	147.9	182.7	226.2	287.1	391.5	739.4	6768.0	18520.7	20704.2	19790.8
45°	95.7	113.1	139.2	191.4	295.8	313.2	513.3	5845.9	18938.2	21043.5	19625.5
47.5°	52.2	69.6	104.4	165.3	261.0	234.9	365.4	5019.5	19416.7	21347.9	19756.0
50°	17.4	26.1	60.9	174.0	208.8	182.7	287.1	4575.8	19886.5	21408.8	20016.9
52.5°	0.0	0.0	34.8	182.7	156.6	139.2	252.3	4401.8	19764.7	21600.2	19851.7
55°	0.0	0.0	8.7	78.3	87.0	104.4	208.8	4393.1	20625.9	21661.1	20756.4
57.5°	0.0	0.0	0.0	26.1	52.2	87.0	182.7	4114.7	21173.9	23174.8	21974.3
60°	0.0	0.0	0.0	8.7	34.8	60.9	139.2	3871.2	21730.7	23853.3	23279.2
62.5°	0.0	0.0	0.0	0.0	8.7	26.1	95.7	3497.1	20608.5	23801.1	24540.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	60.9	2766.4	18538.1	22557.1	23844.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	34.8	1913.8	16232.8	20991.3	22565.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1157.0	13101.0	18407.6	19138.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	495.9	9351.7	14614.7	15702.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200.1	5785.0	10682.7	12022.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.3	3749.4	8090.3	9125.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	2000.8	5071.7	5898.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	869.9	3079.5	3549.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	278.4	1870.3	2131.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	287.1	382.8
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: P599369
 CATALOG NUMBER: IFLD-L-SA8D-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5	12335.5
2.5°	13283.7	13536.0	13631.7	13483.8	13501.2	13196.7	13153.2	12727.0	12553.0	12587.8
5°	13892.7	14258.0	14458.1	14292.8	13918.8	13335.9	12805.3	12300.7	11987.5	11831.0
7.5°	13753.5	14162.4	14414.6	14571.2	14145.0	13205.4	12396.4	11448.2	11048.0	11056.7
10°	12988.0	13840.5	14353.7	14153.7	13953.6	13014.1	11761.4	10734.9	10378.2	10413.0
12.5°	12370.3	13318.5	13623.0	13779.6	13370.7	12622.6	11778.8	10604.4	10204.2	9960.6
15°	11987.5	12692.2	12709.6	12953.2	12787.9	12787.9	11961.4	10813.1	10465.2	10195.5
17.5°	11987.5	12144.1	12126.7	12213.7	12492.1	12822.7	12422.5	11657.0	10969.7	10926.2
20°	12257.2	11770.1	11657.0	11691.8	11926.7	12909.7	13440.3	12483.4	12048.4	11909.3
22.5°	12883.6	11813.6	11126.3	11004.5	11726.6	12901.0	14092.8	13788.3	13031.5	12918.4
25°	13744.8	11735.3	10987.1	10830.5	11378.6	13214.1	14988.8	15049.7	14362.4	14127.6
27.5°	14562.5	12083.2	10969.7	10934.9	11657.0	13144.5	15606.4	16058.8	15284.6	15093.2
30°	14840.9	12431.2	11291.6	10830.5	11761.4	13396.8	15589.0	16772.1	16267.6	16311.1
32.5°	15171.5	12779.2	11326.4	11143.7	12205.0	13805.7	16084.9	17920.4	17555.1	17041.8
35°	15658.6	13248.9	11657.0	11491.7	12518.2	14171.1	16189.3	18764.3	18703.4	18103.1
37.5°	16076.2	13710.0	12344.2	12370.3	13475.1	14762.6	16650.3	19799.5	19695.1	19286.2
40°	16372.0	14353.7	13414.2	13483.8	14310.2	15423.7	17468.1	20321.4	21095.6	20495.4
42.5°	16415.5	14927.9	14640.8	15197.6	15971.8	16450.3	17798.6	20678.1	21791.6	21400.1
45°	16580.7	15841.3	16641.6	17050.5	17685.5	17355.0	17781.2	21287.0	21843.8	21643.7
47.5°	17224.5	17502.9	18512.0	19756.0	19982.1	18894.7	18198.8	21382.7	22139.6	22113.5
50°	17894.3	19286.2	20704.2	21530.6	21817.7	19956.0	18590.3	21304.4	22531.0	22322.2
52.5°	18642.5	20834.7	22879.0	23896.8	23740.2	21130.4	19033.9	21939.5	23253.1	23183.5
55°	19112.2	21530.6	24279.6	25697.5	25575.8	22444.0	20443.2	22852.9	24201.3	24027.3
57.5°	20356.2	22661.5	25671.4	26332.6	26654.5	24166.5	21426.2	24349.2	24992.9	25184.3
60°	21382.7	23400.9	26036.8	26993.7	27106.8	25193.0	23148.7	25888.9	26002.0	25358.3
62.5°	22887.7	23688.0	25262.6	26123.8	26706.7	25775.8	24697.1	26715.4	25984.6	25941.1
65°	23992.5	22748.5	23818.5	24297.0	24671.0	24888.5	26254.3	27280.8	25662.7	24818.9
67.5°	23374.8	20973.9	20773.8	20799.9	20913.0	22226.5	25732.3	25897.6	23870.7	23174.8
70°	20573.7	17207.1	16937.4	17146.2	16580.7	18164.0	23618.4	23540.1	21060.8	20338.8
72.5°	16641.6	12544.3	12083.2	12370.3	12500.8	14179.8	19869.1	17850.8	15362.9	14797.4
75°	13222.8	9195.1	7759.7	8455.7	8899.3	10326.0	15519.4	12126.7	10726.2	9960.6
77.5°	10386.9	6959.4	6037.3	5758.9	6167.8	7507.4	11291.6	6367.8	5619.7	5263.0
80°	6585.3	5115.2	5550.1	5149.9	5323.9	5358.7	5880.7	2896.8	2305.3	2279.2
82.5°	3966.9	3497.1	4158.2	2287.9	4166.9	3723.3	2444.5	1313.6	1165.7	1165.7
85°	2809.9	2166.1	1435.4	930.8	1852.9	2044.3	948.2	678.5	591.5	574.1
87.5°	1409.3	669.8	321.9	208.8	234.9	382.8	113.1	52.2	52.2	43.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)