

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: P599342

Luminaire Tested: **IFLD-S-SA2B-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: P599342
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2B-830-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (32) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

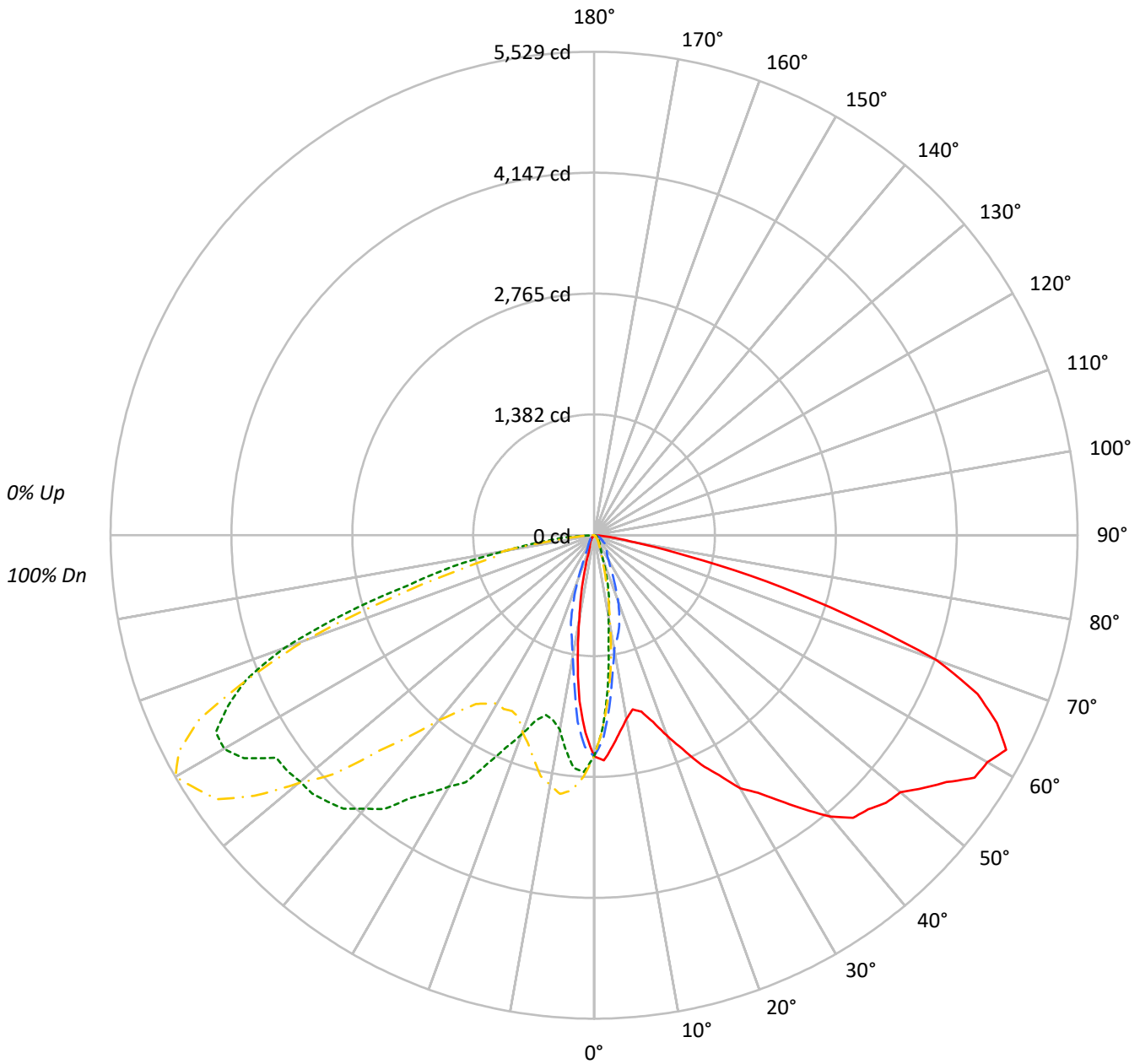
Lumens per Lamp: N/A
 Luminaire Lumens: 6608.6 lumens
 Efficiency: N/A
 Efficacy: 80.2 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 82.4
 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

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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°	54390	54390	54390	54390
5°	52363	38271	41197	57716
10°	46621	20837	21110	49347
15°	46540	13898	8498	47414
20°	55881	6939	3388	55553
25°	68730	4359	2625	68391
30°	83044	3500	1994	82512
35°	97441	2809	1545	96458
40°	117966	2403	1000	114712
45°	134959	2171	542	131215
50°	153119	2090	121	146853
55°	184702	2008	0	166510
60°	223618	1688	0	210344
65°	258934	1360	0	235339
70°	262196	1120	0	237302
75°	169690	740	0	181983
80°	57871	223	0	128772
85°	29048	0	0	94627

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.4	2.9
10°-20°	370.6	5.6
20°-30°	516.1	7.8
30°-40°	733.4	11.1
40°-50°	1017.0	15.4
50°-60°	1385.7	21.0
60°-70°	1523.4	23.1
70°-80°	748.8	11.3
80°-90°	122.3	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°	1078.1	16.3
0°-40°	1811.5	27.4
0°-60°	4214.1	63.8
0°-90°	6608.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6608.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2526	2526	2526	2526	2526	
5°	2423	1771	1906	2671	2423	222
15°	2088	624	381	2127	2088	618
25°	2894	184	110	2879	2894	1345
35°	3708	107	59	3670	3708	2354
45°	4433	71	18	4310	4433	3436
55°	4921	54	0	4436	4921	4427
65°	5083	27	0	4620	5083	4912
75°	2040	9	0	2188	2040	2224
85°	118	0	0	383	118	163
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°	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5
2.5°	2578.1	2608.4	2579.9	2480.1	2462.3	2414.2	2341.2	2335.8	2259.2	2268.1	2227.1
5°	2423.1	2453.4	2392.8	2261.0	2138.0	2040.1	1981.3	1876.1	1853.0	1801.3	1801.3
7.5°	2264.5	2262.8	2159.4	2049.0	1865.4	1685.5	1603.5	1452.1	1363.0	1314.9	1268.6
10°	2132.7	2104.2	2040.1	1812.0	1612.4	1425.4	1323.8	1224.0	1131.4	1051.2	971.0
12.5°	2040.1	2057.9	1956.3	1708.7	1450.3	1320.2	1211.6	1106.4	996.0	905.1	816.0
15°	2088.2	2059.7	1940.3	1685.5	1423.6	1245.4	1101.1	972.8	849.9	730.5	662.8
17.5°	2237.8	2164.8	2024.0	1685.5	1368.3	1131.4	956.8	805.3	673.5	566.6	482.8
20°	2439.2	2355.4	2204.0	1747.9	1327.4	1047.6	808.9	618.3	481.1	381.3	317.1
22.5°	2645.8	2579.9	2351.9	1772.8	1279.3	935.4	637.9	447.2	320.7	256.6	224.5
25°	2893.5	2800.8	2551.4	1872.6	1208.0	826.7	502.4	311.8	238.7	204.9	185.3
27.5°	3091.3	3075.2	2738.5	1933.2	1154.5	737.6	397.3	247.7	197.8	172.8	160.4
30°	3340.7	3253.4	2966.5	2054.3	1094.0	636.1	331.4	222.7	181.7	155.0	146.1
32.5°	3490.4	3449.4	3085.9	2122.0	1026.3	552.3	285.1	196.0	165.7	146.1	137.2
35°	3707.7	3625.8	3257.0	2164.8	990.6	504.2	256.6	178.2	139.0	119.4	108.7
37.5°	3950.0	3919.8	3461.9	2163.0	939.0	475.7	237.0	165.7	131.8	110.5	98.0
40°	4197.7	4074.8	3586.6	2212.9	912.2	454.3	222.7	158.6	124.7	105.1	89.1
42.5°	4383.0	4242.2	3730.9	2195.1	880.2	416.9	217.4	147.9	119.4	96.2	82.0
45°	4432.9	4383.0	3861.0	2189.7	857.0	386.6	208.5	146.1	115.8	90.9	76.6
47.5°	4529.1	4495.2	4021.3	2198.6	839.2	363.5	187.1	149.7	110.5	85.5	73.0
50°	4571.9	4511.3	4151.4	2220.0	798.2	335.0	167.5	156.8	108.7	83.7	69.5
52.5°	4748.2	4694.8	4329.5	2280.6	764.4	297.5	147.9	149.7	112.2	78.4	65.9
55°	4921.1	4860.5	4603.9	2419.6	716.2	267.3	126.5	131.8	106.9	71.3	58.8
57.5°	5158.0	5058.3	4787.4	2476.6	673.5	226.3	112.2	108.7	99.8	64.1	51.7
60°	5193.7	5234.6	4760.7	2440.9	628.9	199.6	98.0	83.7	106.9	57.0	44.5
62.5°	5313.0	5142.0	4636.0	2359.0	596.9	183.5	87.3	69.5	92.6	49.9	37.4
65°	5083.2	4956.7	4343.8	2095.3	555.9	185.3	76.6	57.0	58.8	41.0	30.3
67.5°	4746.5	4646.7	3859.2	1808.4	514.9	181.7	67.7	49.9	44.5	35.6	26.7
70°	4165.6	3950.0	3278.3	1468.1	454.3	169.3	57.0	44.5	37.4	28.5	19.6
72.5°	3030.7	2943.4	2351.9	1134.9	408.0	153.2	53.5	37.4	32.1	21.4	16.0
75°	2040.1	1895.7	1484.2	744.8	327.8	133.6	44.5	33.9	24.9	16.0	12.5
77.5°	1077.9	1019.1	841.0	354.6	181.7	62.4	24.9	19.6	14.3	12.5	7.1
80°	466.8	415.1	363.5	144.3	64.1	28.5	16.0	10.7	8.9	7.1	3.6
82.5°	238.7	228.1	188.9	62.4	37.4	21.4	8.9	7.1	5.3	3.6	1.8
85°	117.6	121.2	99.8	19.6	21.4	12.5	1.8	1.8	0.0	0.0	0.0
87.5°	8.9	8.9	7.1	3.6	5.3	1.8	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°	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5
2.5°	2211.1	2236.0	2193.3	2220.0	2207.5	2212.9	2218.2	2204.0	2207.5	2257.4	2259.2
5°	1771.0	1819.1	1801.3	1826.2	1869.0	1847.6	1867.2	1863.7	1867.2	1874.4	1906.4
7.5°	1263.2	1249.0	1282.8	1348.8	1425.4	1471.7	1448.5	1436.1	1428.9	1411.1	1432.5
10°	953.2	946.1	937.2	956.8	1006.7	1058.3	1086.8	1038.7	1012.0	978.2	965.7
12.5°	791.1	746.5	721.6	691.3	705.6	751.9	753.7	707.3	664.6	646.8	666.4
15°	623.6	593.3	548.8	506.0	484.6	520.3	490.0	445.4	390.2	383.1	381.3
17.5°	445.4	427.6	395.5	377.7	352.8	343.9	311.8	244.1	204.9	194.2	197.8
20°	302.9	288.6	286.9	270.8	260.1	253.0	201.3	156.8	144.3	146.1	147.9
22.5°	224.5	217.4	208.5	206.7	197.8	188.9	147.9	131.8	122.9	122.9	128.3
25°	183.5	180.0	171.0	167.5	163.9	151.4	124.7	112.2	108.7	105.1	110.5
27.5°	156.8	155.0	149.7	144.3	140.8	128.3	108.7	98.0	94.4	94.4	94.4
30°	140.8	140.8	133.6	122.9	122.9	108.7	92.6	85.5	82.0	82.0	80.2
32.5°	131.8	128.3	119.4	112.2	106.9	92.6	82.0	74.8	69.5	69.5	71.3
35°	106.9	106.9	105.1	99.8	92.6	78.4	69.5	62.4	58.8	57.0	58.8
37.5°	94.4	89.1	82.0	83.7	80.2	67.7	58.8	53.5	48.1	48.1	48.1
40°	85.5	80.2	73.0	67.7	65.9	60.6	51.7	42.8	37.4	35.6	35.6
42.5°	76.6	73.0	62.4	53.5	51.7	51.7	39.2	32.1	26.7	26.7	26.7
45°	71.3	65.9	57.0	46.3	37.4	39.2	32.1	23.2	19.6	17.8	17.8
47.5°	67.7	62.4	49.9	39.2	28.5	28.5	23.2	16.0	12.5	10.7	10.7
50°	62.4	57.0	44.5	32.1	21.4	17.8	14.3	8.9	5.3	3.6	3.6
52.5°	58.8	53.5	39.2	26.7	17.8	12.5	8.9	1.8	0.0	0.0	0.0
55°	53.5	46.3	33.9	21.4	14.3	7.1	1.8	0.0	0.0	0.0	0.0
57.5°	46.3	41.0	26.7	16.0	8.9	1.8	0.0	0.0	0.0	0.0	0.0
60°	39.2	33.9	21.4	12.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	32.1	28.5	16.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	26.7	21.4	12.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	23.2	17.8	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	17.8	12.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	12.5	8.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	8.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.8	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°	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5
2.5°	2266.3	2319.8	2369.7	2383.9	2423.1	2531.8	2531.8	2583.5	2676.1	2710.0	2717.1
5°	1911.8	1968.8	1979.5	2089.9	2141.6	2252.1	2325.1	2499.7	2604.9	2670.8	2711.8
7.5°	1453.9	1473.5	1514.4	1617.8	1719.3	1853.0	1991.9	2214.7	2400.0	2474.8	2613.8
10°	999.5	1058.3	1147.4	1240.1	1398.6	1546.5	1726.5	1936.7	2164.8	2257.4	2376.8
12.5°	673.5	755.4	898.0	1029.8	1175.9	1325.6	1496.6	1778.1	2036.5	2164.8	2284.1
15°	393.8	493.5	616.5	830.3	1024.5	1192.0	1363.0	1648.1	1961.7	2127.4	2273.5
17.5°	199.6	229.8	331.4	516.7	773.3	1047.6	1302.4	1665.9	2018.7	2221.8	2342.9
20°	149.7	158.6	187.1	274.4	529.2	865.9	1245.4	1692.6	2177.2	2424.9	2490.8
22.5°	130.1	137.2	149.7	178.2	297.5	662.8	1165.2	1758.5	2392.8	2626.2	2765.2
25°	110.5	117.6	128.3	146.1	190.6	450.8	1067.2	1828.0	2585.3	2879.2	3009.3
27.5°	96.2	101.6	112.2	126.5	155.0	286.9	898.0	1920.7	2879.2	3185.7	3219.5
30°	82.0	87.3	96.2	112.2	131.8	203.1	659.2	1933.2	3041.4	3319.3	3413.7
32.5°	71.3	73.0	83.7	98.0	110.5	160.4	463.2	1945.6	3160.7	3492.1	3511.7
35°	58.8	62.4	73.0	82.0	96.2	126.5	351.0	1883.3	3315.8	3670.3	3665.0
37.5°	48.1	53.5	60.6	67.7	78.4	106.9	279.7	1767.5	3510.0	3946.5	3779.0
40°	37.4	42.8	49.9	58.8	65.9	96.2	210.2	1592.8	3713.1	4081.9	3903.7
42.5°	26.7	30.3	37.4	46.3	58.8	80.2	151.4	1386.2	3793.3	4240.5	4053.4
45°	19.6	23.2	28.5	39.2	60.6	64.1	105.1	1197.3	3878.8	4309.9	4019.5
47.5°	10.7	14.3	21.4	33.9	53.5	48.1	74.8	1028.0	3976.8	4372.3	4046.3
50°	3.6	5.3	12.5	35.6	42.8	37.4	58.8	937.2	4073.0	4384.8	4099.7
52.5°	0.0	0.0	7.1	37.4	32.1	28.5	51.7	901.5	4048.0	4424.0	4065.9
55°	0.0	0.0	1.8	16.0	17.8	21.4	42.8	899.8	4224.4	4436.4	4251.1
57.5°	0.0	0.0	0.0	5.3	10.7	17.8	37.4	842.7	4336.7	4746.5	4500.6
60°	0.0	0.0	0.0	1.8	7.1	12.5	28.5	792.9	4450.7	4885.4	4767.8
62.5°	0.0	0.0	0.0	0.0	1.8	5.3	19.6	716.2	4220.9	4874.7	5026.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	12.5	566.6	3796.8	4620.0	4883.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.1	392.0	3324.7	4299.3	4621.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	237.0	2683.2	3770.1	3919.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101.6	1915.3	2993.3	3216.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	1184.8	2187.9	2462.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	767.9	1657.0	1869.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	409.8	1038.7	1208.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178.2	630.7	726.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.0	383.1	436.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8	78.4
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: P599342
 CATALOG NUMBER: IFLD-S-SA2B-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5	2526.5
2.5°	2720.7	2772.3	2791.9	2761.6	2765.2	2702.8	2693.9	2606.6	2571.0	2578.1
5°	2845.4	2920.2	2961.2	2927.3	2850.7	2731.4	2622.7	2519.3	2455.2	2423.1
7.5°	2816.9	2900.6	2952.3	2984.4	2897.1	2704.6	2538.9	2344.7	2262.8	2264.5
10°	2660.1	2834.7	2939.8	2898.8	2857.9	2665.4	2408.9	2198.6	2125.6	2132.7
12.5°	2533.6	2727.8	2790.2	2822.2	2738.5	2585.3	2412.4	2171.9	2089.9	2040.1
15°	2455.2	2599.5	2603.1	2653.0	2619.1	2619.1	2449.8	2214.7	2143.4	2088.2
17.5°	2455.2	2487.3	2483.7	2501.5	2558.5	2626.2	2544.3	2387.5	2246.7	2237.8
20°	2510.4	2410.6	2387.5	2394.6	2442.7	2644.1	2752.7	2556.7	2467.7	2439.2
22.5°	2638.7	2419.6	2278.8	2253.9	2401.7	2642.3	2886.4	2824.0	2669.0	2645.8
25°	2815.1	2403.5	2250.3	2218.2	2330.5	2706.4	3069.9	3082.3	2941.6	2893.5
27.5°	2982.6	2474.8	2246.7	2239.6	2387.5	2692.2	3196.4	3289.0	3130.5	3091.3
30°	3039.6	2546.1	2312.7	2218.2	2408.9	2743.8	3192.8	3435.1	3331.8	3340.7
32.5°	3107.3	2617.3	2319.8	2282.4	2499.7	2827.6	3294.4	3670.3	3595.5	3490.4
35°	3207.1	2713.5	2387.5	2353.6	2563.9	2902.4	3315.8	3843.1	3830.7	3707.7
37.5°	3292.6	2808.0	2528.2	2533.6	2759.9	3023.6	3410.2	4055.2	4033.8	3950.0
40°	3353.2	2939.8	2747.4	2761.6	2930.9	3159.0	3577.7	4162.1	4320.6	4197.7
42.5°	3362.1	3057.4	2998.6	3112.6	3271.2	3369.2	3645.4	4235.1	4463.2	4383.0
45°	3395.9	3244.5	3408.4	3492.1	3622.2	3554.5	3641.8	4359.8	4473.9	4432.9
47.5°	3527.8	3584.8	3791.5	4046.3	4092.6	3869.9	3727.3	4379.4	4534.4	4529.1
50°	3665.0	3950.0	4240.5	4409.7	4468.5	4087.2	3807.5	4363.4	4614.6	4571.9
52.5°	3818.2	4267.2	4685.9	4894.3	4862.3	4327.8	3898.4	4493.5	4762.5	4748.2
55°	3914.4	4409.7	4972.7	5263.2	5238.2	4596.8	4187.0	4680.5	4956.7	4921.1
57.5°	4169.2	4641.3	5257.8	5393.2	5459.1	4949.6	4388.3	4987.0	5118.8	5158.0
60°	4379.4	4792.8	5332.6	5528.6	5551.8	5159.8	4741.1	5302.4	5325.5	5193.7
62.5°	4687.7	4851.6	5174.1	5350.5	5469.8	5279.2	5058.3	5471.6	5322.0	5313.0
65°	4913.9	4659.2	4878.3	4976.3	5052.9	5097.5	5377.2	5587.4	5256.0	5083.2
67.5°	4787.4	4295.7	4254.7	4260.1	4283.2	4552.3	5270.3	5304.1	4889.0	4746.5
70°	4213.7	3524.2	3469.0	3511.7	3395.9	3720.2	4837.3	4821.3	4313.5	4165.6
72.5°	3408.4	2569.2	2474.8	2533.6	2560.3	2904.2	4069.4	3656.1	3146.5	3030.7
75°	2708.2	1883.3	1589.3	1731.8	1822.7	2114.9	3178.6	2483.7	2196.8	2040.1
77.5°	2127.4	1425.4	1236.5	1179.5	1263.2	1537.6	2312.7	1304.2	1151.0	1077.9
80°	1348.8	1047.6	1136.7	1054.8	1090.4	1097.5	1204.4	593.3	472.2	466.8
82.5°	812.5	716.2	851.7	468.6	853.4	762.6	500.7	269.0	238.7	238.7
85°	575.5	443.6	294.0	190.6	379.5	418.7	194.2	139.0	121.2	117.6
87.5°	288.6	137.2	65.9	42.8	48.1	78.4	23.2	10.7	10.7	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)