

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: P599362

Luminaire Tested: **IFLD-L-SA7B-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: P599362
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7B-830-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (112) 3000K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

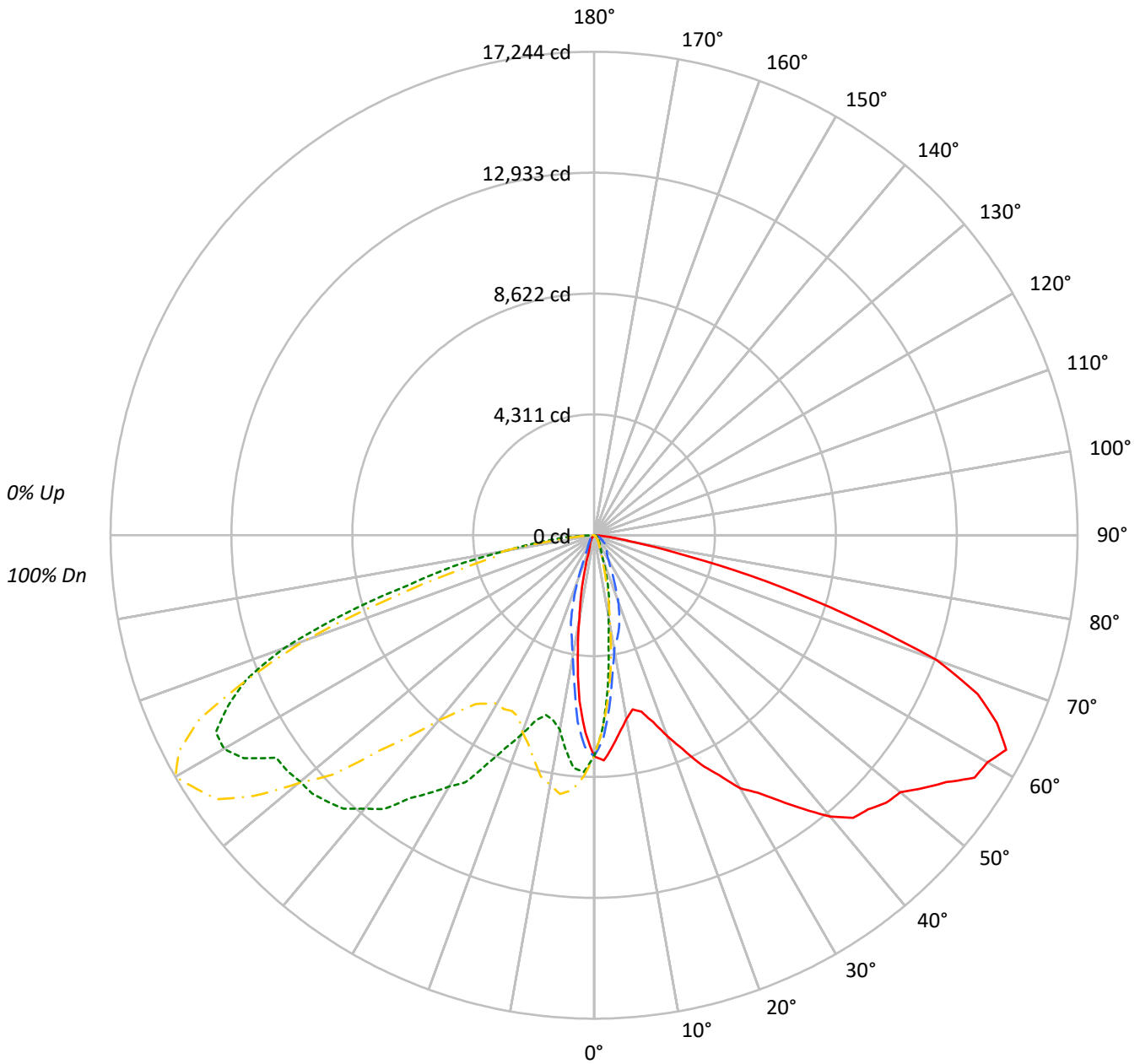
Lumens per Lamp: N/A
 Luminaire Lumens: 20612.2 lumens
 Efficiency: N/A
 Efficacy: 73.4 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 281
 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	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			
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79					79			
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62					62			
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49					49			
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40					40			
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33					33			
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27					27			
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24					24			
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20					20			
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18					18			
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16					16			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	42410	42410	42410	42410
5°	40831	29842	32124	45004
10°	36353	16248	16461	38478
15°	36289	10837	6626	36970
20°	43572	5411	2641	43318
25°	53592	3399	2046	53328
30°	64754	2728	1554	64339
35°	75980	2190	1205	75213
40°	91984	1874	781	89446
45°	105234	1692	423	102316
50°	119393	1629	93	114508
55°	144020	1564	0	129838
60°	174366	1316	0	164017
65°	201904	1062	0	183505
70°	204449	875	0	185036
75°	132312	578	0	141904
80°	45126	174	0	100413
85°	22650	0	0	73780

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.9	2.9
10°-20°	1155.8	5.6
20°-30°	1609.8	7.8
30°-40°	2287.4	11.1
40°-50°	3171.9	15.4
50°-60°	4321.9	21.0
60°-70°	4751.6	23.1
70°-80°	2335.4	11.3
80°-90°	381.4	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°	3362.6	16.3
0°-40°	5650.0	27.4
0°-60°	13143.8	63.8
0°-90°	20612.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20612.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7880	7880	7880	7880	7880	
5°	7558	5524	5946	8330	7558	692
15°	6513	1945	1189	6635	6513	1928
25°	9025	572	344	8980	9025	4196
35°	11564	333	183	11448	11564	7341
45°	13826	222	56	13443	13826	10718
55°	15349	167	0	13837	15349	13807
65°	15854	83	0	14410	15854	15322
75°	6363	28	0	6824	6363	6937
85°	367	0	0	1195	367	507
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°	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0
2.5°	8041.2	8135.7	8046.7	7735.5	7680.0	7529.9	7302.1	7285.4	7046.5	7074.2	6946.4
5°	7557.7	7652.2	7463.2	7052.0	6668.6	6362.9	6179.5	5851.7	5779.4	5618.3	5618.3
7.5°	7063.1	7057.6	6735.3	6390.7	5818.3	5257.1	5001.4	4529.1	4251.2	4101.2	3956.7
10°	6651.9	6563.0	6362.9	5651.6	5029.2	4445.7	4129.0	3817.8	3528.8	3278.7	3028.6
12.5°	6362.9	6418.5	6101.7	5329.3	4523.5	4117.8	3778.9	3451.0	3106.4	2823.0	2545.2
15°	6513.0	6424.1	6051.7	5257.1	4440.2	3884.4	3434.3	3034.2	2650.8	2278.4	2067.3
17.5°	6979.8	6751.9	6312.9	5257.1	4267.9	3528.8	2984.2	2511.8	2100.6	1767.2	1506.0
20°	7607.7	7346.5	6874.2	5451.6	4140.1	3267.6	2522.9	1928.3	1500.4	1189.2	989.2
22.5°	8252.4	8046.7	7335.4	5529.4	3990.0	2917.5	1989.5	1394.8	1000.3	800.2	700.2
25°	9024.8	8735.8	7957.8	5840.6	3767.7	2578.5	1567.1	972.5	744.7	639.1	577.9
27.5°	9641.6	9591.6	8541.3	6029.5	3601.0	2300.7	1239.2	772.4	616.8	539.0	500.1
30°	10419.7	10147.4	9252.6	6407.4	3412.1	1983.9	1033.6	694.6	566.8	483.5	455.7
32.5°	10886.5	10758.6	9625.0	6618.6	3200.9	1722.7	889.1	611.3	516.8	455.7	427.9
35°	11564.4	11308.8	10158.5	6751.9	3089.8	1572.7	800.2	555.7	433.5	372.3	339.0
37.5°	12320.2	12225.7	10797.5	6746.4	2928.6	1483.8	739.1	516.8	411.2	344.5	305.6
40°	13092.6	12709.2	11186.5	6902.0	2845.3	1417.1	694.6	494.6	389.0	327.9	277.9
42.5°	13670.6	13231.6	11636.7	6846.4	2745.2	1300.4	678.0	461.2	372.3	300.1	255.6
45°	13826.2	13670.6	12042.3	6829.7	2673.0	1205.9	650.2	455.7	361.2	283.4	239.0
47.5°	14126.3	14020.7	12542.5	6857.5	2617.4	1133.7	583.5	466.8	344.5	266.7	227.8
50°	14259.6	14070.7	12948.2	6924.2	2489.6	1044.7	522.4	489.0	339.0	261.2	216.7
52.5°	14809.8	14643.1	13503.9	7113.1	2384.0	928.0	461.2	466.8	350.1	244.5	205.6
55°	15348.8	15159.9	14359.7	7546.6	2234.0	833.6	394.6	411.2	333.4	222.3	183.4
57.5°	16087.9	15776.7	14932.1	7724.4	2100.6	705.8	350.1	339.0	311.2	200.1	161.2
60°	16199.1	16326.9	14848.7	7613.3	1961.7	622.4	305.6	261.2	333.4	177.8	138.9
62.5°	16571.4	16037.9	14459.7	7357.7	1861.6	572.4	272.3	216.7	289.0	155.6	116.7
65°	15854.5	15460.0	13548.3	6535.2	1733.8	577.9	239.0	177.8	183.4	127.8	94.5
67.5°	14804.2	14493.0	12036.8	5640.5	1606.0	566.8	211.2	155.6	138.9	111.1	83.4
70°	12992.6	12320.2	10225.2	4579.1	1417.1	527.9	177.8	138.9	116.7	88.9	61.1
72.5°	9452.7	9180.4	7335.4	3539.9	1272.6	477.9	166.7	116.7	100.0	66.7	50.0
75°	6362.9	5912.8	4629.1	2322.9	1022.5	416.8	138.9	105.6	77.8	50.0	38.9
77.5°	3362.1	3178.7	2623.0	1105.9	566.8	194.5	77.8	61.1	44.5	38.9	22.2
80°	1456.0	1294.8	1133.7	450.1	200.1	88.9	50.0	33.3	27.8	22.2	11.1
82.5°	744.7	711.3	589.1	194.5	116.7	66.7	27.8	22.2	16.7	11.1	5.6
85°	366.8	377.9	311.2	61.1	66.7	38.9	5.6	5.6	0.0	0.0	0.0
87.5°	27.8	27.8	22.2	11.1	16.7	5.6	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°	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0
2.5°	6896.4	6974.2	6840.8	6924.2	6885.3	6902.0	6918.6	6874.2	6885.3	7040.9	7046.5
5°	5523.8	5673.8	5618.3	5696.1	5829.4	5762.8	5823.9	5812.8	5823.9	5846.1	5946.1
7.5°	3940.0	3895.6	4001.1	4206.8	4445.7	4590.2	4518.0	4479.1	4456.8	4401.3	4467.9
10°	2973.1	2950.8	2923.1	2984.2	3139.8	3300.9	3389.9	3239.8	3156.5	3050.9	3012.0
12.5°	2467.4	2328.4	2250.6	2156.2	2200.6	2345.1	2350.7	2206.2	2072.8	2017.2	2078.4
15°	1945.0	1850.5	1711.6	1578.2	1511.5	1622.7	1528.2	1389.3	1217.0	1194.8	1189.2
17.5°	1389.3	1333.7	1233.7	1178.1	1100.3	1072.5	972.5	761.3	639.1	605.7	616.8
20°	944.7	900.3	894.7	844.7	811.3	789.1	628.0	489.0	450.1	455.7	461.2
22.5°	700.2	678.0	650.2	644.6	616.8	589.1	461.2	411.2	383.4	383.4	400.1
25°	572.4	561.3	533.5	522.4	511.3	472.4	389.0	350.1	339.0	327.9	344.5
27.5°	489.0	483.5	466.8	450.1	439.0	400.1	339.0	305.6	294.5	294.5	294.5
30°	439.0	439.0	416.8	383.4	383.4	339.0	289.0	266.7	255.6	255.6	250.1
32.5°	411.2	400.1	372.3	350.1	333.4	289.0	255.6	233.4	216.7	216.7	222.3
35°	333.4	333.4	327.9	311.2	289.0	244.5	216.7	194.5	183.4	177.8	183.4
37.5°	294.5	277.9	255.6	261.2	250.1	211.2	183.4	166.7	150.0	150.0	150.0
40°	266.7	250.1	227.8	211.2	205.6	188.9	161.2	133.4	116.7	111.1	111.1
42.5°	239.0	227.8	194.5	166.7	161.2	161.2	122.3	100.0	83.4	83.4	83.4
45°	222.3	205.6	177.8	144.5	116.7	122.3	100.0	72.2	61.1	55.6	55.6
47.5°	211.2	194.5	155.6	122.3	88.9	88.9	72.2	50.0	38.9	33.3	33.3
50°	194.5	177.8	138.9	100.0	66.7	55.6	44.5	27.8	16.7	11.1	11.1
52.5°	183.4	166.7	122.3	83.4	55.6	38.9	27.8	5.6	0.0	0.0	0.0
55°	166.7	144.5	105.6	66.7	44.5	22.2	5.6	0.0	0.0	0.0	0.0
57.5°	144.5	127.8	83.4	50.0	27.8	5.6	0.0	0.0	0.0	0.0	0.0
60°	122.3	105.6	66.7	38.9	11.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	100.0	88.9	50.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	83.4	66.7	38.9	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	72.2	55.6	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	55.6	38.9	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	38.9	27.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	27.8	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	16.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.6	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°	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0
2.5°	7068.7	7235.4	7391.0	7435.5	7557.7	7896.7	7896.7	8057.9	8346.8	8452.4	8474.6
5°	5962.8	6140.6	6174.0	6518.5	6679.7	7024.2	7252.1	7796.7	8124.5	8330.2	8458.0
7.5°	4534.6	4595.8	4723.6	5045.9	5362.6	5779.4	6212.9	6907.5	7485.5	7718.9	8152.3
10°	3117.6	3300.9	3578.8	3867.8	4362.4	4823.6	5384.9	6040.6	6751.9	7040.9	7413.2
12.5°	2100.6	2356.2	2800.8	3212.0	3667.7	4134.5	4668.0	5546.0	6351.8	6751.9	7124.3
15°	1228.1	1539.3	1922.8	2589.6	3195.4	3717.7	4251.2	5140.4	6118.4	6635.2	7090.9
17.5°	622.4	716.9	1033.6	1611.6	2411.8	3267.6	4062.3	5195.9	6296.2	6929.8	7307.6
20°	466.8	494.6	583.5	855.8	1650.5	2700.8	3884.4	5279.3	6790.8	7563.3	7768.9
22.5°	405.7	427.9	466.8	555.7	928.0	2067.3	3634.4	5484.9	7463.2	8191.2	8624.7
25°	344.5	366.8	400.1	455.7	594.6	1406.0	3328.7	5701.6	8063.4	8980.3	9386.0
27.5°	300.1	316.8	350.1	394.6	483.5	894.7	2800.8	5990.6	8980.3	9936.2	10041.8
30°	255.6	272.3	300.1	350.1	411.2	633.5	2056.1	6029.5	9486.0	10353.0	10647.5
32.5°	222.3	227.8	261.2	305.6	344.5	500.1	1444.9	6068.4	9858.4	10892.0	10953.1
35°	183.4	194.5	227.8	255.6	300.1	394.6	1094.8	5873.9	10341.9	11447.7	11431.1
37.5°	150.0	166.7	188.9	211.2	244.5	333.4	872.5	5512.7	10947.6	12309.1	11786.7
40°	116.7	133.4	155.6	183.4	205.6	300.1	655.7	4968.1	11581.1	12731.4	12175.7
42.5°	83.4	94.5	116.7	144.5	183.4	250.1	472.4	4323.5	11831.2	13226.0	12642.5
45°	61.1	72.2	88.9	122.3	188.9	200.1	327.9	3734.4	12097.9	13442.7	12536.9
47.5°	33.3	44.5	66.7	105.6	166.7	150.0	233.4	3206.5	12403.6	13637.2	12620.3
50°	11.1	16.7	38.9	111.1	133.4	116.7	183.4	2923.1	12703.6	13676.1	12787.0
52.5°	0.0	0.0	22.2	116.7	100.0	88.9	161.2	2811.9	12625.8	13798.4	12681.4
55°	0.0	0.0	5.6	50.0	55.6	66.7	133.4	2806.4	13176.0	13837.3	13259.4
57.5°	0.0	0.0	0.0	16.7	33.3	55.6	116.7	2628.5	13526.1	14804.2	14037.4
60°	0.0	0.0	0.0	5.6	22.2	38.9	88.9	2472.9	13881.8	15237.7	14870.9
62.5°	0.0	0.0	0.0	0.0	5.6	16.7	61.1	2234.0	13164.9	15204.4	15676.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	38.9	1767.2	11842.3	14409.7	15232.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	22.2	1222.6	10369.6	13409.4	14415.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	739.1	8369.1	11758.9	12225.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	316.8	5973.9	9336.0	10030.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127.8	3695.5	6824.2	7680.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	2395.1	5168.1	5829.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	1278.1	3239.8	3767.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	555.7	1967.2	2267.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177.8	1194.8	1361.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	183.4	244.5
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: P599362
 CATALOG NUMBER: IFLD-L-SA7B-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0	7880.0
2.5°	8485.8	8646.9	8708.0	8613.6	8624.7	8430.2	8402.4	8130.1	8019.0	8041.2
5°	8874.8	9108.2	9236.0	9130.4	8891.4	8519.1	8180.1	7857.8	7657.7	7557.7
7.5°	8785.8	9047.0	9208.2	9308.2	9035.9	8435.7	7918.9	7313.2	7057.6	7063.1
10°	8296.8	8841.4	9169.3	9041.5	8913.7	8313.5	7513.3	6857.5	6629.7	6651.9
12.5°	7902.3	8508.0	8702.5	8802.5	8541.3	8063.4	7524.4	6774.2	6518.5	6362.9
15°	7657.7	8107.9	8119.0	8274.6	8169.0	8169.0	7641.1	6907.5	6685.2	6513.0
17.5°	7657.7	7757.8	7746.7	7802.2	7980.1	8191.2	7935.6	7446.6	7007.6	6979.8
20°	7830.0	7518.8	7446.6	7468.8	7618.8	8246.8	8585.8	7974.5	7696.6	7607.7
22.5°	8230.1	7546.6	7107.6	7029.8	7491.0	8241.2	9002.6	8808.1	8324.6	8252.4
25°	8780.3	7496.6	7018.7	6918.6	7268.7	8441.3	9575.0	9613.9	9174.8	9024.8
27.5°	9302.7	7718.9	7007.6	6985.3	7446.6	8396.8	9969.5	10258.5	9763.9	9641.6
30°	9480.5	7941.2	7213.2	6918.6	7513.3	8558.0	9958.4	10714.2	10391.9	10419.7
32.5°	9691.7	8163.4	7235.4	7118.7	7796.7	8819.2	10275.2	11447.7	11214.3	10886.5
35°	10002.9	8463.5	7446.6	7341.0	7996.7	9052.6	10341.9	11986.8	11947.9	11564.4
37.5°	10269.6	8758.1	7885.6	7902.3	8608.0	9430.5	10636.4	12648.1	12581.4	12320.2
40°	10458.6	9169.3	8569.1	8613.6	9141.5	9852.8	11158.8	12981.5	13476.1	13092.6
42.5°	10486.3	9536.1	9352.7	9708.3	10202.9	10508.6	11369.9	13209.3	13920.7	13670.6
45°	10591.9	10119.6	10630.8	10892.0	11297.7	11086.5	11358.8	13598.3	13954.0	13826.2
47.5°	11003.2	11181.0	11825.6	12620.3	12764.8	12070.1	11625.6	13659.5	14142.9	14126.3
50°	11431.1	12320.2	13226.0	13753.9	13937.3	12748.1	11875.6	13609.5	14393.0	14259.6
52.5°	11909.0	13309.4	14615.3	15265.5	15165.5	13498.3	12159.0	14015.1	14854.3	14809.8
55°	12209.1	13753.9	15510.0	16415.8	16338.0	14337.4	13059.3	14598.6	15460.0	15348.8
57.5°	13003.7	14476.4	16399.1	16821.5	17027.1	15437.8	13687.3	15554.5	15965.7	16087.9
60°	13659.5	14948.7	16632.5	17243.8	17316.1	16093.5	14787.6	16538.1	16610.3	16199.1
62.5°	14620.9	15132.1	16138.0	16688.1	17060.4	16465.8	15776.7	17066.0	16599.2	16571.4
65°	15326.6	14531.9	15215.5	15521.1	15760.1	15899.0	16771.5	17427.2	16393.6	15854.5
67.5°	14932.1	13398.3	13270.5	13287.1	13359.4	14198.5	16438.0	16543.6	15248.8	14804.2
70°	13142.7	10992.0	10819.8	10953.1	10591.9	11603.3	15087.7	15037.6	13453.9	12992.6
72.5°	10630.8	8013.4	7718.9	7902.3	7985.6	9058.1	12692.5	11403.3	9813.9	9452.7
75°	8446.9	5873.9	4957.0	5401.5	5685.0	6596.3	9913.9	7746.7	6852.0	6362.9
77.5°	6635.2	4445.7	3856.7	3678.8	3940.0	4795.8	7213.2	4067.8	3589.9	3362.1
80°	4206.8	3267.6	3545.5	3289.8	3401.0	3423.2	3756.6	1850.5	1472.6	1456.0
82.5°	2534.1	2234.0	2656.3	1461.5	2661.9	2378.5	1561.6	839.1	744.7	744.7
85°	1795.0	1383.7	916.9	594.6	1183.7	1305.9	605.7	433.5	377.9	366.8
87.5°	900.3	427.9	205.6	133.4	150.0	244.5	72.2	33.3	33.3	27.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)