

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: P599604

Luminaire Tested: **IFLD-S-SA2C-830-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599604
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2C-830-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (32) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

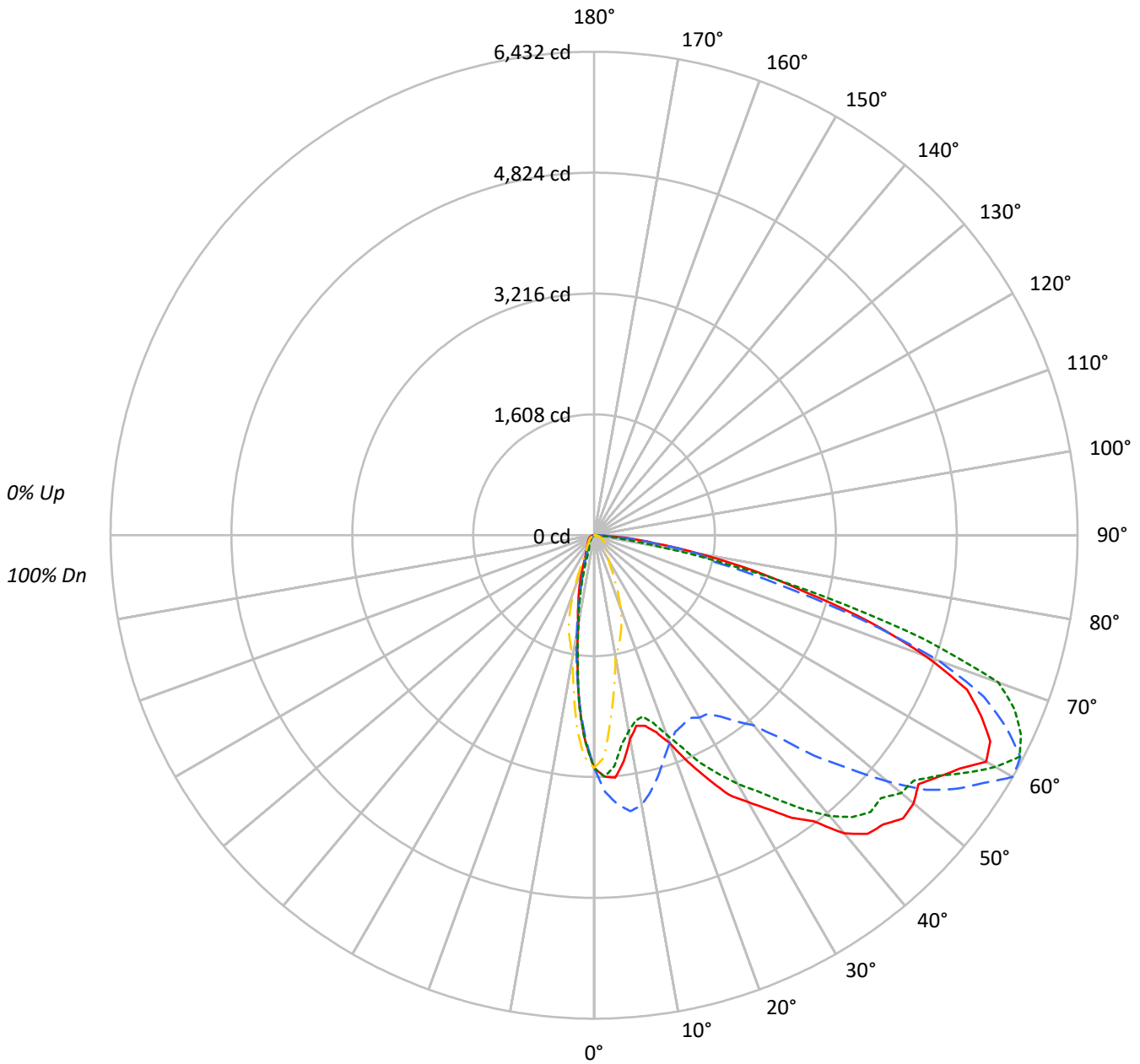
Lumens per Lamp: N/A
 Luminaire Lumens: 8225.9 lumens
 Efficiency: N/A
 Efficacy: 76.0 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 108.2
 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: P599604
CATALOG NUMBER: IFLD-S-SA2C-830-U-SLL-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599604
 CATALOG NUMBER: IFLD-S-SA2C-830-U-SLL-HSS

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	100			100	
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79			79	
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61			61	
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48			48	
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39			39	
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32			32	
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27			27	
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23			23	
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20			20	
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18			18	
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16			16	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	66583	66583	66583	66583
5°	69969	66600	48655	48940
10°	60167	57861	26601	25978
15°	58504	55616	17282	13022
20°	67434	64616	9260	4630
25°	84788	79310	6000	3601
30°	101837	94901	4860	2948
35°	120597	113149	3984	2368
40°	145501	136980	3518	1790
45°	165654	158429	3276	1203
50°	185833	178623	3239	737
55°	210153	209410	3217	330
60°	259333	265477	2932	95
65°	289360	319124	2684	0
70°	295052	360173	2486	0
75°	240083	265659	2379	0
80°	174555	111105	2455	0
85°	112856	46659	3260	0

TEST NUMBER: P599604
 CATALOG NUMBER: IFLD-S-SA2C-830-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	2.9
10°-20°	460.8	5.6
20°-30°	637.6	7.8
30°-40°	901.1	11.0
40°-50°	1226.9	14.9
50°-60°	1624.9	19.8
60°-70°	1886.6	22.9
70°-80°	1068.4	13.0
80°-90°	184.6	2.2
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°	1333.3	16.2
0°-40°	2234.4	27.2
0°-60°	5086.2	61.8
0°-90°	8225.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8225.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3093	3093	3093	3093	3093	
5°	3238	3082	2252	2265	3238	291
15°	2625	2495	775	584	2625	770
25°	3570	3339	253	152	3570	1665
35°	4589	4305	152	90	4589	2893
45°	5441	5204	108	40	5441	4218
55°	5599	5579	86	9	5599	5073
65°	5680	6265	53	0	5680	5537
75°	2886	3194	29	0	2886	3150
85°	457	189	13	0	457	549
90°	0	0	0	0	0	

TEST NUMBER: P599604
 CATALOG NUMBER: IFLD-S-SA2C-830-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9
2.5°	3213.7	3281.8	3284.0	3314.7	3345.5	3345.5	3418.0	3400.4	3336.7	3325.7	3279.6
5°	3237.8	3262.0	3279.6	3435.5	3567.3	3554.2	3593.7	3567.3	3444.3	3286.2	3178.5
7.5°	3029.2	3055.5	3125.8	3391.6	3569.5	3628.8	3703.5	3538.8	3409.2	3123.6	2917.1
10°	2752.4	2802.9	2932.5	3235.6	3455.3	3644.2	3644.2	3512.4	3262.0	2983.0	2730.4
12.5°	2598.6	2699.7	2770.0	3077.5	3363.0	3492.6	3488.3	3418.0	3255.4	2903.9	2618.4
15°	2625.0	2653.5	2802.9	3042.3	3231.2	3224.7	3303.7	3281.8	3167.5	2974.2	2660.1
17.5°	2745.8	2789.7	2919.3	3042.3	3132.4	3106.0	3103.8	3209.3	3215.9	3092.9	2816.1
20°	2943.5	3073.1	3134.6	3171.9	3062.1	2950.1	2936.9	3084.1	3198.3	3244.4	3002.8
22.5°	3259.8	3345.5	3470.7	3279.6	2994.0	2853.4	2827.1	2989.6	3220.3	3424.6	3244.4
25°	3569.5	3635.4	3756.2	3510.2	3070.9	2833.7	2787.5	2928.1	3303.7	3675.0	3536.6
27.5°	3896.8	3953.9	3967.1	3679.4	3112.6	2794.1	2739.2	2928.1	3374.0	3806.8	3885.8
30°	4096.7	4164.8	4178.0	3828.7	3180.7	2827.1	2800.7	2941.3	3422.4	3918.8	4136.3
32.5°	4320.8	4338.4	4327.4	3855.1	3255.4	2923.7	2813.9	3029.2	3477.3	4052.8	4364.7
35°	4588.8	4619.5	4507.5	3975.9	3422.4	2985.2	2945.7	3136.8	3571.7	4114.3	4641.5
37.5°	4793.1	4889.7	4637.1	4022.0	3455.3	3114.8	3121.4	3360.8	3637.6	4189.0	4946.8
40°	5177.5	5014.9	4856.8	4180.2	3580.5	3334.5	3299.3	3591.5	3859.5	4237.3	5146.7
42.5°	5388.3	5302.7	4942.4	4195.6	3773.8	3637.6	3646.4	3852.9	3975.9	4373.5	5201.6
45°	5441.1	5351.0	5058.8	4206.6	3964.9	3995.7	4147.2	4186.8	4147.2	4463.6	5304.9
47.5°	5575.1	5379.6	5045.7	4353.7	4274.6	4393.3	4586.6	4672.2	4380.1	4430.6	5353.2
50°	5548.7	5436.7	5017.1	4415.2	4652.5	4966.6	5096.2	5061.0	4639.3	4362.5	5300.5
52.5°	5438.9	5318.0	5105.0	4582.2	5006.1	5386.1	5566.3	5478.4	4869.9	4516.3	5265.3
55°	5599.2	5507.0	5219.2	4808.4	5271.9	5755.2	5882.6	5816.7	5153.3	4659.1	5465.2
57.5°	5772.8	5753.0	5528.9	5074.2	5586.0	6135.2	6135.2	6053.9	5399.3	4865.5	5761.8
60°	6023.2	6067.1	5757.4	5250.0	5693.7	6113.2	6431.7	6337.3	5647.5	5228.0	6097.9
62.5°	5941.9	6082.5	6051.7	5627.8	5816.7	6220.9	6394.4	6464.7	5955.1	5669.5	6546.0
65°	5680.5	5829.9	6049.5	5876.0	5724.4	5959.5	6047.3	6260.4	6108.8	6084.7	6730.5
67.5°	5368.6	5531.1	5667.3	6042.9	5537.7	5693.7	5616.8	5684.9	5941.9	6539.4	6835.9
70°	4687.6	4843.6	5058.8	5671.7	5043.5	4902.9	4883.1	4850.2	5250.0	6376.8	6357.1
72.5°	3855.1	3927.6	4283.4	4610.7	3732.1	3705.7	3736.5	3699.1	4162.6	5772.8	5445.5
75°	2886.4	2958.9	3161.0	3541.0	2541.5	2389.9	2565.7	2739.2	3178.5	4481.1	3912.2
77.5°	2170.3	2262.5	2389.9	2649.1	1864.9	1627.7	1651.9	1816.6	2297.7	3589.3	2192.2
80°	1408.0	1397.1	1643.1	1823.2	1403.6	1447.6	1386.1	1506.9	1665.0	1919.9	1120.3
82.5°	812.8	823.7	927.0	1045.6	977.5	1118.1	806.2	1346.5	1188.4	782.0	417.4
85°	456.9	476.7	571.1	724.9	612.9	410.8	336.1	667.8	746.9	320.7	202.1
87.5°	46.1	39.5	76.9	274.6	166.9	68.1	101.0	160.4	180.1	120.8	59.3
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: P599604
 CATALOG NUMBER: IFLD-S-SA2C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9
2.5°	3213.7	3213.7	3158.8	3066.5	3029.2	2963.3	2873.2	2901.8	2871.0	2759.0	2730.4
5°	3081.9	2976.4	2862.2	2721.6	2640.4	2473.4	2420.7	2326.2	2341.6	2247.2	2251.5
7.5°	2807.3	2723.8	2530.5	2346.0	2185.7	2040.7	1836.4	1759.5	1684.8	1647.5	1691.4
10°	2646.9	2491.0	2227.4	1985.8	1772.7	1643.1	1506.9	1401.5	1304.8	1232.3	1216.9
12.5°	2530.5	2392.1	2073.6	1779.3	1612.3	1506.9	1381.7	1236.7	1142.2	1017.0	979.7
15°	2495.4	2326.2	1990.1	1698.0	1535.4	1361.9	1219.1	1076.4	953.3	821.5	775.4
17.5°	2616.2	2420.7	1988.0	1632.1	1403.6	1216.9	1019.2	858.9	733.7	612.9	584.3
20°	2820.5	2521.7	2051.7	1592.6	1278.4	1028.0	804.0	643.6	503.0	424.0	404.2
22.5°	3053.3	2693.1	2058.2	1487.1	1153.2	839.1	586.5	424.0	344.9	307.5	296.5
25°	3338.9	2967.7	2137.3	1401.5	1006.1	637.0	417.4	325.1	279.0	257.0	252.6
27.5°	3573.9	3158.8	2223.0	1311.4	861.1	472.3	327.3	265.8	241.6	219.7	217.5
30°	3817.7	3378.4	2247.2	1256.5	735.9	388.8	281.2	235.0	208.7	197.7	195.5
32.5°	4030.8	3617.9	2324.0	1166.4	617.3	342.7	254.8	210.9	193.3	175.7	173.5
35°	4305.4	3756.2	2361.4	1118.1	573.3	309.7	232.8	193.3	166.9	156.0	151.6
37.5°	4599.7	3890.2	2385.5	1080.7	536.0	290.0	219.7	182.3	158.2	142.8	138.4
40°	4874.3	4079.1	2350.4	1034.6	507.4	265.8	210.9	169.1	147.2	131.8	125.2
42.5°	5085.2	4263.7	2339.4	990.7	476.7	257.0	199.9	162.6	138.4	120.8	118.6
45°	5203.8	4388.9	2262.5	955.5	452.5	261.4	195.5	153.8	131.8	116.4	107.6
47.5°	5175.3	4485.5	2282.3	944.6	419.6	243.8	193.3	147.2	120.8	107.6	101.0
50°	5333.4	4681.0	2249.4	909.4	395.4	219.7	210.9	147.2	118.6	103.2	96.7
52.5°	5359.8	4859.0	2319.6	845.7	358.1	202.1	208.7	145.0	114.2	98.8	90.1
55°	5579.4	5065.4	2455.8	810.6	327.3	175.7	191.1	140.6	103.2	90.1	85.7
57.5°	5878.2	5493.8	2543.7	777.6	285.6	153.8	160.4	138.4	94.5	83.5	76.9
60°	6165.9	5665.1	2550.3	718.3	246.0	138.4	125.2	138.4	87.9	74.7	68.1
62.5°	6381.2	5665.1	2506.4	667.8	215.3	123.0	109.8	131.8	79.1	65.9	61.5
65°	6264.8	5513.5	2392.1	626.0	195.5	107.6	94.5	101.0	70.3	57.1	52.7
67.5°	6056.1	5041.3	2139.5	575.5	193.3	94.5	81.3	74.7	61.5	50.5	46.1
70°	5722.2	4404.2	1781.5	518.4	188.9	85.7	72.5	63.7	54.9	43.9	39.5
72.5°	4610.7	3637.6	1463.0	485.5	184.5	74.7	61.5	54.9	46.1	37.3	32.9
75°	3193.9	2324.0	1126.9	415.2	180.1	68.1	57.1	48.3	39.5	30.8	28.6
77.5°	1915.5	1553.0	727.1	311.9	118.6	54.9	48.3	37.3	32.9	26.4	24.2
80°	896.2	733.7	294.3	120.8	57.1	39.5	32.9	28.6	26.4	22.0	19.8
82.5°	351.5	309.7	142.8	70.3	46.1	30.8	26.4	24.2	22.0	17.6	15.4
85°	188.9	166.9	68.1	48.3	32.9	22.0	22.0	19.8	17.6	15.4	13.2
87.5°	41.7	30.8	28.6	28.6	24.2	17.6	17.6	15.4	13.2	11.0	8.8
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: P599604
 CATALOG NUMBER: IFLD-S-SA2C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9
2.5°	2715.0	2748.0	2695.3	2728.2	2682.1	2717.2	2721.6	2688.7	2697.5	2741.4	2761.2
5°	2313.1	2291.1	2242.8	2227.4	2229.6	2201.0	2212.0	2227.4	2251.5	2264.7	2304.3
7.5°	1667.2	1717.8	1715.6	1752.9	1755.1	1750.7	1720.0	1654.1	1676.0	1658.5	1680.4
10°	1192.8	1214.7	1256.5	1280.6	1324.6	1300.4	1230.1	1203.8	1190.6	1188.4	1210.3
12.5°	953.3	900.6	896.2	905.0	927.0	898.4	863.3	832.5	847.9	878.7	902.8
15°	738.1	694.1	637.0	628.2	632.6	619.5	582.1	542.6	553.6	584.3	601.9
17.5°	566.7	516.2	476.7	450.3	441.5	395.4	340.5	307.5	298.7	296.5	311.9
20°	382.2	373.4	366.8	333.9	333.9	268.0	221.9	197.7	197.7	202.1	204.3
22.5°	285.6	274.6	276.8	270.2	252.6	199.9	175.7	169.1	169.1	173.5	173.5
25°	248.2	232.8	228.4	226.3	208.7	171.3	153.8	147.2	147.2	151.6	151.6
27.5°	210.9	206.5	199.9	191.1	175.7	147.2	136.2	129.6	131.8	134.0	131.8
30°	193.3	182.3	173.5	173.5	156.0	131.8	123.0	118.6	114.2	118.6	120.8
32.5°	171.3	164.7	160.4	153.8	134.0	116.4	107.6	103.2	101.0	101.0	103.2
35°	147.2	147.2	142.8	134.0	116.4	105.4	94.5	90.1	87.9	90.1	90.1
37.5°	131.8	125.2	127.4	118.6	103.2	92.3	81.3	76.9	76.9	74.7	76.9
40°	123.0	112.0	105.4	101.0	92.3	79.1	70.3	65.9	63.7	63.7	63.7
42.5°	109.8	101.0	87.9	85.7	83.5	68.1	57.1	54.9	52.7	50.5	50.5
45°	103.2	90.1	79.1	68.1	68.1	57.1	48.3	43.9	41.7	39.5	41.7
47.5°	94.5	81.3	68.1	57.1	54.9	46.1	37.3	32.9	30.8	30.8	30.8
50°	90.1	72.5	59.3	48.3	41.7	37.3	28.6	24.2	22.0	22.0	22.0
52.5°	83.5	68.1	52.7	41.7	32.9	28.6	22.0	17.6	15.4	15.4	15.4
55°	74.7	61.5	46.1	35.1	28.6	22.0	15.4	11.0	8.8	8.8	8.8
57.5°	70.3	54.9	39.5	30.8	22.0	15.4	8.8	6.6	6.6	4.4	6.6
60°	63.7	48.3	32.9	24.2	17.6	11.0	6.6	2.2	2.2	2.2	2.2
62.5°	54.9	41.7	28.6	19.8	13.2	6.6	2.2	0.0	0.0	0.0	0.0
65°	46.1	32.9	22.0	15.4	8.8	2.2	0.0	0.0	0.0	0.0	0.0
67.5°	39.5	28.6	17.6	11.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	35.1	24.2	13.2	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	28.6	19.8	11.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	24.2	15.4	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	19.8	11.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	15.4	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	13.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.6	2.2	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

TEST NUMBER: P599604
 CATALOG NUMBER: IFLD-S-SA2C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9
2.5°	2789.7	2776.5	2842.4	2950.1	3005.0	3112.6	3139.0	3207.1	3189.5	3213.7
5°	2308.7	2335.0	2431.7	2589.8	2646.9	2802.9	2950.1	3097.3	3191.7	3237.8
7.5°	1713.4	1801.2	1919.9	2064.8	2212.0	2416.3	2666.7	2838.1	2930.3	3029.2
10°	1276.2	1370.7	1506.9	1649.7	1889.1	2117.6	2368.0	2581.0	2660.1	2752.4
12.5°	1003.9	1151.0	1309.2	1463.0	1605.7	1823.2	2132.9	2442.7	2528.3	2598.6
15°	698.5	878.7	1104.9	1304.8	1504.7	1693.6	2014.3	2389.9	2506.4	2625.0
17.5°	386.6	529.4	788.6	1069.8	1364.1	1654.1	2053.9	2486.6	2662.3	2745.8
20°	224.1	281.2	465.7	799.6	1188.4	1568.4	2073.6	2668.9	2901.8	2943.5
22.5°	184.5	204.3	263.6	500.8	973.1	1513.5	2174.7	2923.7	3161.0	3259.8
25°	158.2	173.5	204.3	300.9	735.9	1397.1	2238.4	3242.2	3461.9	3569.5
27.5°	140.6	156.0	180.1	221.9	500.8	1236.7	2343.8	3530.0	3749.7	3896.8
30°	123.0	136.2	160.4	188.9	347.1	1056.6	2433.9	3740.9	4050.6	4096.7
32.5°	109.8	120.8	138.4	162.6	257.0	801.8	2506.4	3958.3	4219.7	4320.8
35°	94.5	107.6	118.6	138.4	195.5	604.1	2462.4	4127.5	4468.0	4588.8
37.5°	83.5	92.3	103.2	116.4	164.7	472.3	2372.4	4329.6	4681.0	4793.1
40°	70.3	76.9	90.1	103.2	149.4	364.6	2269.1	4573.4	4979.8	5177.5
42.5°	59.3	65.9	74.7	96.7	123.0	270.2	2060.4	4762.3	5221.4	5388.3
45°	46.1	54.9	68.1	96.7	98.8	199.9	1845.2	4902.9	5357.6	5441.1
47.5°	35.1	43.9	65.9	83.5	79.1	138.4	1590.4	5063.2	5498.2	5575.1
50°	26.4	35.1	74.7	72.5	65.9	105.4	1430.0	5175.3	5507.0	5548.7
52.5°	17.6	26.4	61.5	54.9	54.9	92.3	1386.1	5170.9	5528.9	5438.9
55°	13.2	19.8	35.1	39.5	48.3	81.3	1346.5	5335.6	5535.5	5599.2
57.5°	8.8	15.4	24.2	30.8	41.7	70.3	1265.3	5533.3	5739.8	5772.8
60°	4.4	11.0	17.6	24.2	35.1	61.5	1151.0	5678.3	5988.0	6023.2
62.5°	2.2	6.6	13.2	19.8	28.6	48.3	1032.4	5447.7	5880.4	5941.9
65°	0.0	4.4	8.8	13.2	17.6	35.1	839.1	4918.3	5454.2	5680.5
67.5°	0.0	0.0	4.4	8.8	11.0	26.4	632.6	4474.5	5061.0	5368.6
70°	0.0	0.0	2.2	2.2	6.6	19.8	404.2	3705.7	4518.5	4687.6
72.5°	0.0	0.0	0.0	0.0	2.2	13.2	235.0	2752.4	3541.0	3855.1
75°	0.0	0.0	0.0	0.0	0.0	11.0	118.6	1770.5	2464.6	2886.4
77.5°	0.0	0.0	0.0	0.0	0.0	8.8	63.7	1142.2	1816.6	2170.3
80°	0.0	0.0	0.0	0.0	0.0	2.2	37.3	663.4	1162.0	1408.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	15.4	325.1	694.1	812.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.4	173.5	347.1	456.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	24.2	46.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)