

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: P599608

Luminaire Tested: **IFLD-S-SA3B-830-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P599608
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3B-830-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (48) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

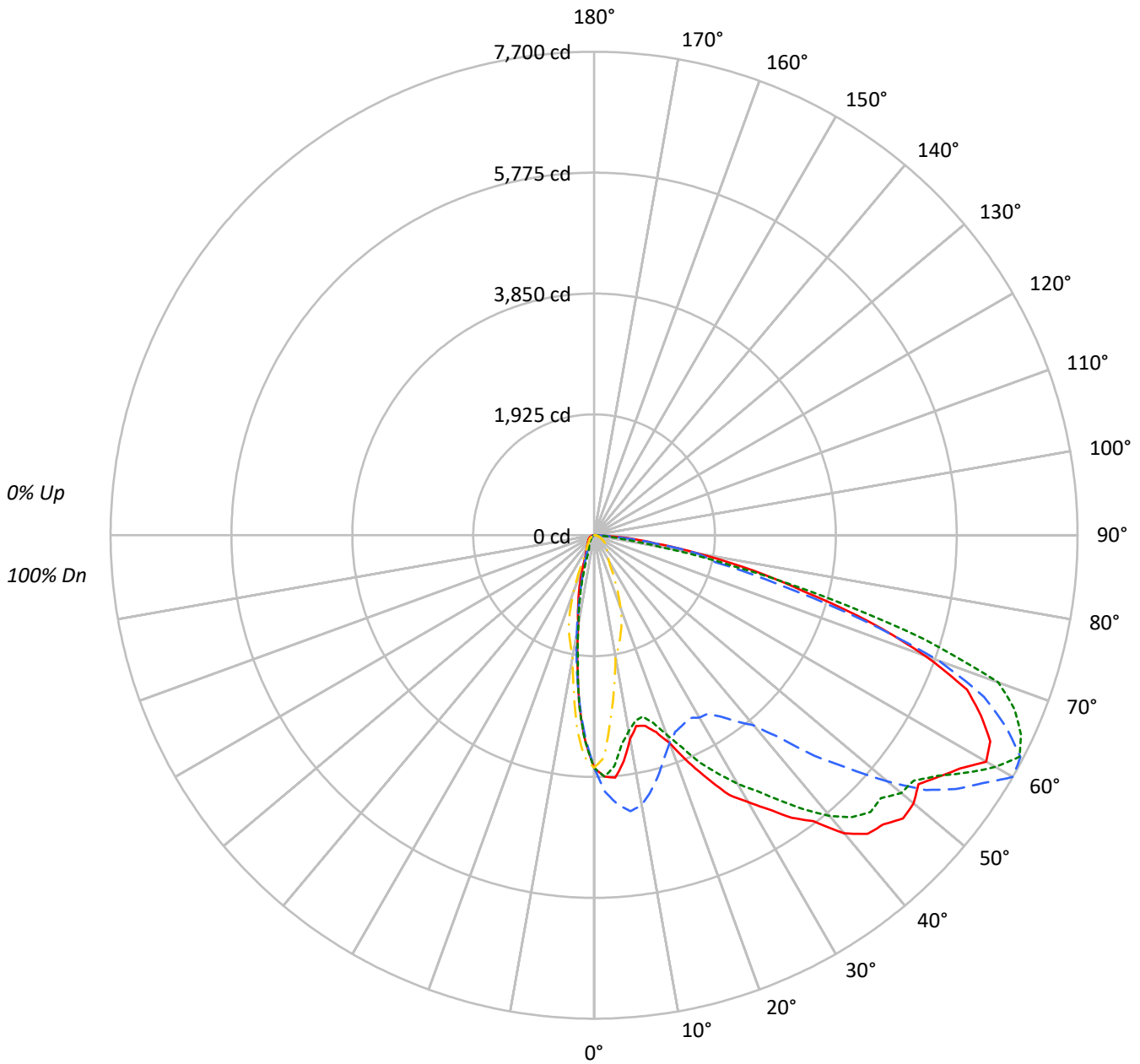
Lumens per Lamp: N/A
 Luminaire Lumens: 9847.7 lumens
 Efficiency: N/A
 Efficacy: 80.5 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 122.4
 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

TEST NUMBER: P599608
CATALOG NUMBER: IFLD-S-SA3B-830-U-SLL-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599608
 CATALOG NUMBER: IFLD-S-SA3B-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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	53141	53141	53141	53141
5°	55843	53154	38833	39061
10°	48020	46180	21232	20733
15°	46692	44387	13793	10393
20°	53820	51571	7391	3695
25°	67670	63298	4789	2874
30°	81278	75743	3878	2353
35°	96248	90305	3180	1889
40°	116126	109327	2808	1429
45°	132210	126446	2616	960
50°	148315	142562	2583	587
55°	167726	167135	2567	263
60°	206977	211883	2339	75
65°	230941	254696	2143	0
70°	235487	287461	1985	0
75°	191612	212024	1896	0
80°	139322	88674	1959	0
85°	90074	37248	2602	0

TEST NUMBER: P599608
 CATALOG NUMBER: IFLD-S-SA3B-830-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.3	2.9
10°-20°	551.6	5.6
20°-30°	763.3	7.8
30°-40°	1078.8	11.0
40°-50°	1468.8	14.9
50°-60°	1945.3	19.8
60°-70°	2258.6	22.9
70°-80°	1279.1	13.0
80°-90°	221.0	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°	1596.2	16.2
0°-40°	2675.0	27.2
0°-60°	6089.0	61.8
0°-90°	9847.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9847.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3703	3703	3703	3703	3703	
5°	3876	3690	2696	2711	3876	348
15°	3142	2987	928	700	3142	922
25°	4273	3997	302	182	4273	1993
35°	5494	5154	182	108	5494	3463
45°	6514	6230	129	47	6514	5050
55°	6703	6680	103	10	6703	6073
65°	6800	7500	63	0	6800	6629
75°	3456	3824	34	0	3456	3771
85°	547	226	16	0	547	657
90°	0	0	0	0	0	

TEST NUMBER: P599608
 CATALOG NUMBER: IFLD-S-SA3B-830-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7
2.5°	3847.3	3928.8	3931.5	3968.3	4005.1	4005.1	4091.9	4070.8	3994.6	3981.4	3926.2
5°	3876.2	3905.2	3926.2	4112.9	4270.7	4254.9	4302.3	4270.7	4123.4	3934.1	3805.2
7.5°	3626.4	3658.0	3742.1	4060.3	4273.3	4344.3	4433.7	4236.5	4081.4	3739.5	3492.3
10°	3295.1	3355.6	3510.7	3873.6	4136.6	4362.7	4362.7	4205.0	3905.2	3571.2	3268.8
12.5°	3111.0	3232.0	3316.1	3684.3	4026.1	4181.3	4176.0	4091.9	3897.3	3476.5	3134.7
15°	3142.5	3176.7	3355.6	3642.2	3868.4	3860.5	3955.1	3928.8	3792.1	3560.7	3184.6
17.5°	3287.2	3339.8	3494.9	3642.2	3750.0	3718.5	3715.8	3842.1	3849.9	3702.7	3371.3
20°	3523.9	3679.0	3752.6	3797.4	3665.9	3531.7	3516.0	3692.2	3828.9	3884.1	3594.9
22.5°	3902.5	4005.1	4155.0	3926.2	3584.3	3416.0	3384.5	3579.1	3855.2	4099.8	3884.1
25°	4273.3	4352.2	4496.9	4202.3	3676.4	3392.4	3337.1	3505.4	3955.1	4399.6	4233.9
27.5°	4665.2	4733.5	4749.3	4404.8	3726.3	3345.0	3279.3	3505.4	4039.3	4557.3	4652.0
30°	4904.5	4986.0	5001.8	4583.6	3807.9	3384.5	3352.9	3521.2	4097.1	4691.5	4951.8
32.5°	5172.7	5193.7	5180.6	4615.2	3897.3	3500.2	3368.7	3626.4	4162.9	4851.9	5225.3
35°	5493.5	5530.4	5396.2	4759.8	4097.1	3573.8	3526.5	3755.3	4276.0	4925.5	5556.7
37.5°	5738.1	5853.8	5551.4	4815.1	4136.6	3729.0	3736.9	4023.5	4354.9	5014.9	5922.2
40°	6198.3	6003.7	5814.4	5004.4	4286.5	3992.0	3949.9	4299.6	4620.5	5072.8	6161.5
42.5°	6450.8	6348.2	5916.9	5022.8	4517.9	4354.9	4365.4	4612.6	4759.8	5235.8	6227.2
45°	6513.9	6406.1	6056.3	5036.0	4746.7	4783.5	4965.0	5012.3	4965.0	5343.6	6350.8
47.5°	6674.3	6440.2	6040.5	5212.2	5117.5	5259.5	5490.9	5593.5	5243.7	5304.2	6408.7
50°	6642.7	6508.6	6006.3	5285.8	5569.8	5945.9	6101.0	6058.9	5554.0	5222.7	6345.6
52.5°	6511.2	6366.6	6111.5	5485.6	5993.2	6448.1	6663.8	6558.6	5830.1	5406.8	6303.5
55°	6703.2	6592.8	6248.3	5756.5	6311.4	6889.9	7042.5	6963.6	6169.4	5577.7	6542.8
57.5°	6911.0	6887.3	6619.1	6074.7	6687.4	7344.9	7344.9	7247.6	6463.9	5824.9	6897.8
60°	7210.8	7263.4	6892.6	6285.1	6816.3	7318.6	7699.9	7586.8	6761.1	6258.8	7300.2
62.5°	7113.5	7281.8	7244.9	6737.4	6963.6	7447.4	7655.2	7739.3	7129.2	6787.4	7836.6
65°	6800.5	6979.3	7242.3	7034.6	6853.1	7134.5	7239.7	7494.8	7313.3	7284.4	8057.5
67.5°	6427.1	6621.7	6784.7	7234.4	6629.6	6816.3	6724.3	6805.8	7113.5	7828.7	8183.8
70°	5611.9	5798.6	6056.3	6790.0	6037.9	5869.6	5845.9	5806.5	6285.1	7634.1	7610.5
72.5°	4615.2	4702.0	5128.0	5519.8	4467.9	4436.4	4473.2	4428.5	4983.4	6911.0	6519.1
75°	3455.5	3542.3	3784.2	4239.1	3042.6	2861.2	3071.5	3279.3	3805.2	5364.7	4683.6
77.5°	2598.2	2708.6	2861.2	3171.5	2232.7	1948.6	1977.6	2174.8	2750.7	4297.0	2624.5
80°	1685.7	1672.5	1967.0	2182.7	1680.4	1733.0	1659.4	1804.0	1993.3	2298.4	1341.2
82.5°	973.0	986.2	1109.8	1251.8	1170.2	1338.5	965.1	1612.0	1422.7	936.2	499.7
85°	547.0	570.7	683.7	867.8	733.7	491.8	402.4	799.4	894.1	383.9	241.9
87.5°	55.2	47.3	92.0	328.7	199.9	81.5	121.0	192.0	215.6	144.6	71.0
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: P599608
 CATALOG NUMBER: IFLD-S-SA3B-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7
2.5°	3847.3	3847.3	3781.6	3671.1	3626.4	3547.5	3439.7	3473.9	3437.1	3303.0	3268.8
5°	3689.5	3563.3	3426.6	3258.3	3161.0	2961.1	2898.0	2784.9	2803.3	2690.2	2695.5
7.5°	3360.8	3260.9	3029.5	2808.6	2616.6	2443.0	2198.5	2106.4	2017.0	1972.3	2024.9
10°	3168.8	2982.1	2666.6	2377.3	2122.2	1967.0	1804.0	1677.8	1562.1	1475.3	1456.9
12.5°	3029.5	2863.8	2482.5	2130.1	1930.2	1804.0	1654.1	1480.5	1367.5	1217.6	1172.9
15°	2987.4	2784.9	2382.5	2032.8	1838.2	1630.4	1459.5	1288.6	1141.3	983.5	928.3
17.5°	3132.0	2898.0	2379.9	1953.9	1680.4	1456.9	1220.2	1028.2	878.3	733.7	699.5
20°	3376.6	3018.9	2456.2	1906.6	1530.5	1230.7	962.5	770.5	602.2	507.5	483.9
22.5°	3655.3	3224.1	2464.1	1780.3	1380.6	1004.6	702.1	507.5	412.9	368.2	355.0
25°	3997.2	3552.8	2558.7	1677.8	1204.4	762.6	499.7	389.2	334.0	307.7	302.4
27.5°	4278.6	3781.6	2661.3	1570.0	1030.9	565.4	391.8	318.2	289.3	263.0	260.3
30°	4570.5	4044.5	2690.2	1504.2	881.0	465.5	336.6	281.4	249.8	236.7	234.0
32.5°	4825.6	4331.2	2782.3	1396.4	739.0	410.2	305.1	252.5	231.4	210.4	207.7
35°	5154.3	4496.9	2827.0	1338.5	686.4	370.8	278.8	231.4	199.9	186.7	181.5
37.5°	5506.7	4657.3	2855.9	1293.8	641.7	347.1	263.0	218.3	189.3	170.9	165.7
40°	5835.4	4883.4	2813.8	1238.6	607.5	318.2	252.5	202.5	176.2	157.8	149.9
42.5°	6087.9	5104.3	2800.7	1186.0	570.7	307.7	239.3	194.6	165.7	144.6	142.0
45°	6229.9	5254.2	2708.6	1143.9	541.7	312.9	234.0	184.1	157.8	139.4	128.9
47.5°	6195.7	5369.9	2732.3	1130.8	502.3	291.9	231.4	176.2	144.6	128.9	121.0
50°	6385.0	5604.0	2692.9	1088.7	473.4	263.0	252.5	176.2	142.0	123.6	115.7
52.5°	6416.6	5817.0	2777.0	1012.5	428.6	241.9	249.8	173.6	136.7	118.3	107.8
55°	6679.6	6064.2	2940.1	970.4	391.8	210.4	228.8	168.3	123.6	107.8	102.6
57.5°	7037.2	6577.0	3045.2	930.9	341.9	184.1	192.0	165.7	113.1	99.9	92.0
60°	7381.7	6782.1	3053.1	859.9	294.5	165.7	149.9	165.7	105.2	89.4	81.5
62.5°	7639.4	6782.1	3000.5	799.4	257.7	147.3	131.5	157.8	94.7	78.9	73.6
65°	7500.0	6600.7	2863.8	749.5	234.0	128.9	113.1	121.0	84.2	68.4	63.1
67.5°	7250.2	6035.3	2561.4	689.0	231.4	113.1	97.3	89.4	73.6	60.5	55.2
70°	6850.5	5272.6	2132.7	620.6	226.2	102.6	86.8	76.3	65.7	52.6	47.3
72.5°	5519.8	4354.9	1751.4	581.2	220.9	89.4	73.6	65.7	55.2	44.7	39.4
75°	3823.6	2782.3	1349.1	497.0	215.6	81.5	68.4	57.9	47.3	36.8	34.2
77.5°	2293.1	1859.2	870.4	373.4	142.0	65.7	57.9	44.7	39.4	31.6	28.9
80°	1072.9	878.3	352.4	144.6	68.4	47.3	39.4	34.2	31.6	26.3	23.7
82.5°	420.8	370.8	170.9	84.2	55.2	36.8	31.6	28.9	26.3	21.0	18.4
85°	226.2	199.9	81.5	57.9	39.4	26.3	26.3	23.7	21.0	18.4	15.8
87.5°	50.0	36.8	34.2	34.2	28.9	21.0	21.0	18.4	15.8	13.1	10.5
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: P599608
 CATALOG NUMBER: IFLD-S-SA3B-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7
2.5°	3250.4	3289.8	3226.7	3266.1	3210.9	3253.0	3258.3	3218.8	3229.3	3281.9	3305.6
5°	2769.1	2742.8	2685.0	2666.6	2669.2	2635.0	2648.2	2666.6	2695.5	2711.3	2758.6
7.5°	1996.0	2056.5	2053.8	2098.5	2101.2	2095.9	2059.1	1980.2	2006.5	1985.5	2011.8
10°	1428.0	1454.2	1504.2	1533.1	1585.7	1556.8	1472.7	1441.1	1425.3	1422.7	1449.0
12.5°	1141.3	1078.2	1072.9	1083.5	1109.8	1075.6	1033.5	996.7	1015.1	1051.9	1080.8
15°	883.6	831.0	762.6	752.1	757.4	741.6	696.9	649.5	662.7	699.5	720.5
17.5°	678.5	618.0	570.7	539.1	528.6	473.4	407.6	368.2	357.6	355.0	373.4
20°	457.6	447.1	439.2	399.7	399.7	320.8	265.6	236.7	236.7	241.9	244.6
22.5°	341.9	328.7	331.3	323.5	302.4	239.3	210.4	202.5	202.5	207.7	207.7
25°	297.2	278.8	273.5	270.9	249.8	205.1	184.1	176.2	176.2	181.5	181.5
27.5°	252.5	247.2	239.3	228.8	210.4	176.2	163.0	155.2	157.8	160.4	157.8
30°	231.4	218.3	207.7	207.7	186.7	157.8	147.3	142.0	136.7	142.0	144.6
32.5°	205.1	197.2	192.0	184.1	160.4	139.4	128.9	123.6	121.0	121.0	123.6
35°	176.2	176.2	170.9	160.4	139.4	126.2	113.1	107.8	105.2	107.8	107.8
37.5°	157.8	149.9	152.5	142.0	123.6	110.4	97.3	92.0	92.0	89.4	92.0
40°	147.3	134.1	126.2	121.0	110.4	94.7	84.2	78.9	76.3	76.3	76.3
42.5°	131.5	121.0	105.2	102.6	99.9	81.5	68.4	65.7	63.1	60.5	60.5
45°	123.6	107.8	94.7	81.5	81.5	68.4	57.9	52.6	50.0	47.3	50.0
47.5°	113.1	97.3	81.5	68.4	65.7	55.2	44.7	39.4	36.8	36.8	36.8
50°	107.8	86.8	71.0	57.9	50.0	44.7	34.2	28.9	26.3	26.3	26.3
52.5°	99.9	81.5	63.1	50.0	39.4	34.2	26.3	21.0	18.4	18.4	18.4
55°	89.4	73.6	55.2	42.1	34.2	26.3	18.4	13.1	10.5	10.5	10.5
57.5°	84.2	65.7	47.3	36.8	26.3	18.4	10.5	7.9	7.9	5.3	7.9
60°	76.3	57.9	39.4	28.9	21.0	13.1	7.9	2.6	2.6	2.6	2.6
62.5°	65.7	50.0	34.2	23.7	15.8	7.9	2.6	0.0	0.0	0.0	0.0
65°	55.2	39.4	26.3	18.4	10.5	2.6	0.0	0.0	0.0	0.0	0.0
67.5°	47.3	34.2	21.0	13.1	7.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	42.1	28.9	15.8	10.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	34.2	23.7	13.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	28.9	18.4	7.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	23.7	13.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	18.4	10.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.9	2.6	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: P599608
 CATALOG NUMBER: IFLD-S-SA3B-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7	3702.7
2.5°	3339.8	3324.0	3402.9	3531.7	3597.5	3726.3	3757.9	3839.4	3818.4	3847.3
5°	2763.9	2795.4	2911.1	3100.5	3168.8	3355.6	3531.7	3707.9	3821.0	3876.2
7.5°	2051.2	2156.4	2298.4	2472.0	2648.2	2892.7	3192.5	3397.6	3508.1	3626.4
10°	1527.9	1641.0	1804.0	1974.9	2261.6	2535.1	2834.9	3089.9	3184.6	3295.1
12.5°	1201.8	1378.0	1567.3	1751.4	1922.3	2182.7	2553.5	2924.3	3026.8	3111.0
15°	836.3	1051.9	1322.8	1562.1	1801.4	2027.5	2411.5	2861.2	3000.5	3142.5
17.5°	462.8	633.8	944.1	1280.7	1633.1	1980.2	2458.8	2976.9	3187.3	3287.2
20°	268.2	336.6	557.5	957.2	1422.7	1877.6	2482.5	3195.1	3473.9	3523.9
22.5°	220.9	244.6	315.6	599.6	1165.0	1811.9	2603.4	3500.2	3784.2	3902.5
25°	189.3	207.7	244.6	360.3	881.0	1672.5	2679.7	3881.5	4144.5	4273.3
27.5°	168.3	186.7	215.6	265.6	599.6	1480.5	2805.9	4226.0	4489.0	4665.2
30°	147.3	163.0	192.0	226.2	415.5	1264.9	2913.8	4478.5	4849.2	4904.5
32.5°	131.5	144.6	165.7	194.6	307.7	959.9	3000.5	4738.8	5051.7	5172.7
35°	113.1	128.9	142.0	165.7	234.0	723.2	2947.9	4941.3	5348.9	5493.5
37.5°	99.9	110.4	123.6	139.4	197.2	565.4	2840.1	5183.2	5604.0	5738.1
40°	84.2	92.0	107.8	123.6	178.8	436.5	2716.5	5475.1	5961.6	6198.3
42.5°	71.0	78.9	89.4	115.7	147.3	323.5	2466.7	5701.3	6250.9	6450.8
45°	55.2	65.7	81.5	115.7	118.3	239.3	2209.0	5869.6	6413.9	6513.9
47.5°	42.1	52.6	78.9	99.9	94.7	165.7	1903.9	6061.6	6582.3	6674.3
50°	31.6	42.1	89.4	86.8	78.9	126.2	1712.0	6195.7	6592.8	6642.7
52.5°	21.0	31.6	73.6	65.7	65.7	110.4	1659.4	6190.4	6619.1	6511.2
55°	15.8	23.7	42.1	47.3	57.9	97.3	1612.0	6387.6	6627.0	6703.2
57.5°	10.5	18.4	28.9	36.8	50.0	84.2	1514.7	6624.3	6871.5	6911.0
60°	5.3	13.1	21.0	28.9	42.1	73.6	1378.0	6797.9	7168.7	7210.8
62.5°	2.6	7.9	15.8	23.7	34.2	57.9	1236.0	6521.8	7039.8	7113.5
65°	0.0	5.3	10.5	15.8	21.0	42.1	1004.6	5888.0	6529.7	6800.5
67.5°	0.0	0.0	5.3	10.5	13.1	31.6	757.4	5356.8	6058.9	6427.1
70°	0.0	0.0	2.6	2.6	7.9	23.7	483.9	4436.4	5409.4	5611.9
72.5°	0.0	0.0	0.0	0.0	2.6	15.8	281.4	3295.1	4239.1	4615.2
75°	0.0	0.0	0.0	0.0	0.0	13.1	142.0	2119.6	2950.6	3455.5
77.5°	0.0	0.0	0.0	0.0	0.0	10.5	76.3	1367.5	2174.8	2598.2
80°	0.0	0.0	0.0	0.0	0.0	2.6	44.7	794.2	1391.1	1685.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	18.4	389.2	831.0	973.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.3	207.7	415.5	547.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	28.9	55.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)