

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: P599428

Luminaire Tested: **IFLD-S-SA2A-730-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: P599428
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2A-730-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (32) 3000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

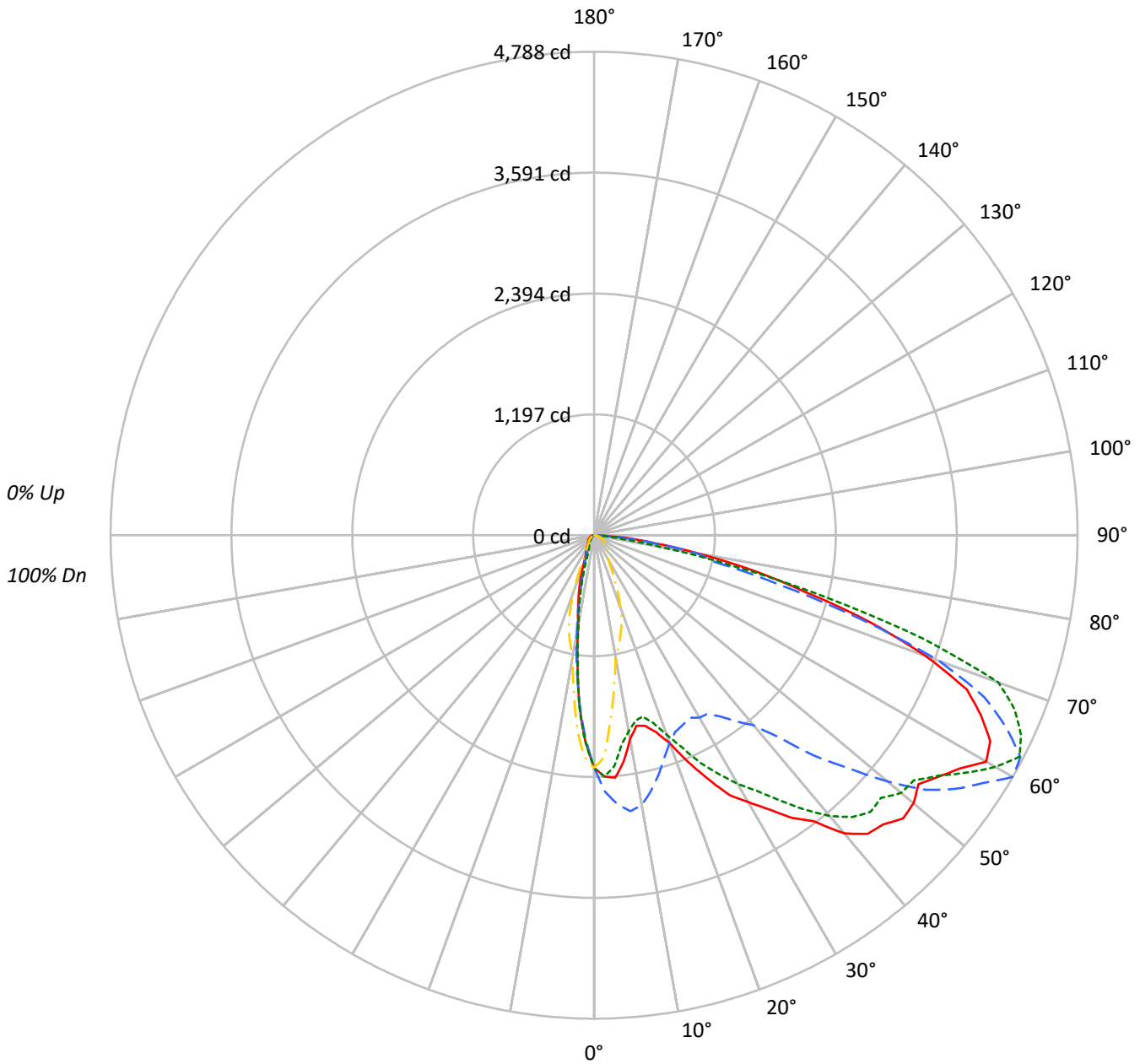
Lumens per Lamp: N/A
 Luminaire Lumens: 6123.0 lumens
 Efficiency: N/A
 Efficacy: 96.0 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 63.8
 Input Voltage (V): 120
 Input Current (A_{in}): 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				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	100	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	79	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61	61	61	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	48	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39	39	39	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	32	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27	27	27	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	23	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20	20	20	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	49561	49561	49561	49561
5°	52082	49573	36218	36430
10°	44787	43071	19801	19337
15°	43547	41399	12864	9693
20°	50195	48098	6893	3446
25°	63113	59037	4466	2679
30°	75805	70642	3617	2195
35°	89767	84224	2964	1761
40°	108305	101965	2619	1332
45°	123305	117932	2439	895
50°	138329	132961	2408	549
55°	156432	155881	2395	244
60°	193036	197613	2183	69
65°	215391	237545	1997	0
70°	219628	268100	1851	0
75°	178706	197745	1772	0
80°	129937	82703	1822	0
85°	84006	34729	2421	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.9	2.9
10°-20°	343.0	5.6
20°-30°	474.6	7.8
30°-40°	670.7	11.0
40°-50°	913.2	14.9
50°-60°	1209.5	19.8
60°-70°	1404.3	22.9
70°-80°	795.3	13.0
80°-90°	137.4	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°	992.5	16.2
0°-40°	1663.2	27.2
0°-60°	3786.0	61.8
0°-90°	6123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6123.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2302	2302	2302	2302	2302	
5°	2410	2294	1676	1686	2410	216
15°	1954	1858	577	435	1954	573
25°	2657	2485	188	113	2657	1239
35°	3416	3205	113	67	3416	2153
45°	4050	3874	80	29	4050	3140
55°	4168	4153	64	6	4168	3776
65°	4228	4663	39	0	4228	4122
75°	2148	2377	21	0	2148	2345
85°	340	141	10	0	340	409
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2
2.5°	2392.2	2442.8	2444.5	2467.4	2490.3	2490.3	2544.2	2531.1	2483.7	2475.5	2441.2
5°	2410.1	2428.1	2441.2	2557.3	2655.4	2645.6	2675.0	2655.4	2563.8	2446.1	2366.0
7.5°	2254.8	2274.4	2326.7	2524.6	2657.0	2701.2	2756.8	2634.1	2537.7	2325.1	2171.4
10°	2048.8	2086.4	2182.9	2408.5	2572.0	2712.6	2712.6	2614.5	2428.1	2220.5	2032.4
12.5°	1934.3	2009.5	2061.9	2290.8	2503.3	2599.8	2596.5	2544.2	2423.2	2161.6	1949.0
15°	1953.9	1975.2	2086.4	2264.6	2405.2	2400.3	2459.2	2442.8	2357.8	2213.9	1980.1
17.5°	2043.9	2076.6	2173.0	2264.6	2331.7	2312.0	2310.4	2388.9	2393.8	2302.2	2096.2
20°	2191.0	2287.5	2333.3	2361.1	2279.3	2195.9	2186.1	2295.7	2380.7	2415.0	2235.2
22.5°	2426.5	2490.3	2583.5	2441.2	2228.6	2124.0	2104.4	2225.4	2397.1	2549.1	2415.0
25°	2657.0	2706.1	2796.0	2612.9	2285.9	2109.3	2074.9	2179.6	2459.2	2735.5	2632.5
27.5°	2900.7	2943.2	2953.0	2738.8	2316.9	2079.8	2039.0	2179.6	2511.5	2833.6	2892.5
30°	3049.5	3100.2	3110.0	2850.0	2367.6	2104.4	2084.8	2189.4	2547.5	2917.0	3078.9
32.5°	3216.2	3229.3	3221.2	2869.6	2423.2	2176.3	2094.6	2254.8	2588.4	3016.8	3248.9
35°	3415.7	3438.6	3355.2	2959.5	2547.5	2222.1	2192.7	2334.9	2658.7	3062.5	3455.0
37.5°	3567.8	3639.7	3451.7	2993.9	2572.0	2318.6	2323.5	2501.7	2707.7	3118.1	3682.2
40°	3853.9	3732.9	3615.2	3111.6	2665.2	2482.1	2455.9	2673.4	2872.9	3154.1	3831.0
42.5°	4010.9	3947.1	3679.0	3123.0	2809.1	2707.7	2714.3	2868.0	2959.5	3255.5	3871.9
45°	4050.1	3983.1	3765.6	3131.2	2951.4	2974.2	3087.1	3116.5	3087.1	3322.5	3948.8
47.5°	4149.9	4004.4	3755.8	3240.8	3181.9	3270.2	3414.1	3477.9	3260.4	3298.0	3984.7
50°	4130.3	4046.9	3734.6	3286.6	3463.1	3697.0	3793.4	3767.3	3453.3	3247.3	3945.5
52.5°	4048.5	3958.6	3800.0	3410.8	3726.4	4009.3	4143.3	4077.9	3625.0	3361.8	3919.3
55°	4167.9	4099.2	3885.0	3579.2	3924.2	4284.0	4378.8	4329.7	3835.9	3468.1	4068.1
57.5°	4297.0	4282.3	4115.6	3777.1	4158.1	4566.8	4566.8	4506.3	4019.1	3621.7	4288.9
60°	4483.4	4516.2	4285.6	3907.9	4238.2	4550.5	4787.6	4717.3	4203.8	3891.5	4539.0
62.5°	4422.9	4527.6	4504.7	4189.1	4329.7	4630.6	4759.8	4812.1	4432.8	4220.2	4872.6
65°	4228.4	4339.6	4503.1	4373.9	4261.1	4436.0	4501.4	4660.0	4547.2	4529.2	5010.0
67.5°	3996.2	4117.2	4218.6	4498.2	4122.1	4238.2	4181.0	4231.6	4422.9	4867.7	5088.4
70°	3489.3	3605.4	3765.6	4221.8	3754.2	3649.5	3634.8	3610.3	3907.9	4746.7	4732.0
72.5°	2869.6	2923.6	3188.4	3432.1	2778.0	2758.4	2781.3	2753.5	3098.5	4297.0	4053.4
75°	2148.5	2202.5	2352.9	2635.8	1891.8	1779.0	1909.8	2039.0	2366.0	3335.6	2912.1
77.5°	1615.5	1684.2	1779.0	1971.9	1388.2	1211.6	1229.6	1352.2	1710.3	2671.8	1631.8
80°	1048.1	1039.9	1223.1	1357.1	1044.8	1077.5	1031.7	1121.7	1239.4	1429.1	833.9
82.5°	605.0	613.2	690.0	778.3	727.6	832.3	600.1	1002.3	884.6	582.1	310.7
85°	340.1	354.8	425.1	539.6	456.2	305.8	250.2	497.1	555.9	238.7	150.4
87.5°	34.3	29.4	57.2	204.4	124.3	50.7	75.2	119.4	134.1	89.9	44.1
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°	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2
2.5°	2392.2	2392.2	2351.3	2282.6	2254.8	2205.8	2138.7	2160.0	2137.1	2053.7	2032.4
5°	2294.0	2215.6	2130.5	2025.9	1965.4	1841.1	1801.9	1731.6	1743.0	1672.7	1676.0
7.5°	2089.7	2027.5	1883.6	1746.3	1626.9	1519.0	1366.9	1309.7	1254.1	1226.3	1259.0
10°	1970.3	1854.2	1658.0	1478.1	1319.5	1223.1	1121.7	1043.2	971.3	917.3	905.8
12.5°	1883.6	1780.6	1543.5	1324.4	1200.2	1121.7	1028.5	920.6	850.3	757.1	729.3
15°	1857.5	1731.6	1481.4	1263.9	1142.9	1013.8	907.5	801.2	709.6	611.5	577.2
17.5°	1947.4	1801.9	1479.8	1214.9	1044.8	905.8	758.7	639.3	546.1	456.2	434.9
20°	2099.5	1877.1	1527.2	1185.4	951.6	765.2	598.4	479.1	374.4	315.6	300.9
22.5°	2272.8	2004.6	1532.1	1107.0	858.4	624.6	436.6	315.6	256.7	228.9	220.7
25°	2485.4	2209.0	1591.0	1043.2	748.9	474.2	310.7	242.0	207.7	191.3	188.0
27.5°	2660.3	2351.3	1654.7	976.2	641.0	351.5	243.6	197.8	179.9	163.5	161.9
30°	2841.8	2514.8	1672.7	935.3	547.8	289.4	209.3	175.0	155.3	147.2	145.5
32.5°	3000.4	2693.0	1729.9	868.2	459.5	255.1	189.7	157.0	143.9	130.8	129.2
35°	3204.8	2796.0	1757.7	832.3	426.8	230.5	173.3	143.9	124.3	116.1	112.8
37.5°	3423.9	2895.8	1775.7	804.5	399.0	215.8	163.5	135.7	117.7	106.3	103.0
40°	3628.3	3036.4	1749.6	770.1	377.7	197.8	157.0	125.9	109.6	98.1	93.2
42.5°	3785.3	3173.7	1741.4	737.4	354.8	191.3	148.8	121.0	103.0	89.9	88.3
45°	3873.6	3266.9	1684.2	711.3	336.8	194.6	145.5	114.5	98.1	86.7	80.1
47.5°	3852.3	3338.9	1698.9	703.1	312.3	181.5	143.9	109.6	89.9	80.1	75.2
50°	3970.0	3484.4	1674.3	676.9	294.3	163.5	157.0	109.6	88.3	76.8	71.9
52.5°	3989.6	3616.8	1726.7	629.5	266.5	150.4	155.3	107.9	85.0	73.6	67.0
55°	4153.2	3770.5	1828.0	603.4	243.6	130.8	142.3	104.6	76.8	67.0	63.8
57.5°	4375.5	4089.4	1893.4	578.8	212.6	114.5	119.4	103.0	70.3	62.1	57.2
60°	4589.7	4216.9	1898.4	534.7	183.1	103.0	93.2	103.0	65.4	55.6	50.7
62.5°	4750.0	4216.9	1865.7	497.1	160.2	91.6	81.8	98.1	58.9	49.1	45.8
65°	4663.3	4104.1	1780.6	466.0	145.5	80.1	70.3	75.2	52.3	42.5	39.2
67.5°	4508.0	3752.6	1592.6	428.4	143.9	70.3	60.5	55.6	45.8	37.6	34.3
70°	4259.4	3278.4	1326.1	385.9	140.6	63.8	54.0	47.4	40.9	32.7	29.4
72.5°	3432.1	2707.7	1089.0	361.4	137.3	55.6	45.8	40.9	34.3	27.8	24.5
75°	2377.4	1729.9	838.8	309.0	134.1	50.7	42.5	36.0	29.4	22.9	21.3
77.5°	1425.8	1156.0	541.2	232.2	88.3	40.9	36.0	27.8	24.5	19.6	18.0
80°	667.1	546.1	219.1	89.9	42.5	29.4	24.5	21.3	19.6	16.4	14.7
82.5°	261.6	230.5	106.3	52.3	34.3	22.9	19.6	18.0	16.4	13.1	11.4
85°	140.6	124.3	50.7	36.0	24.5	16.4	16.4	14.7	13.1	11.4	9.8
87.5°	31.1	22.9	21.3	21.3	18.0	13.1	13.1	11.4	9.8	8.2	6.5
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°	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2
2.5°	2021.0	2045.5	2006.3	2030.8	1996.5	2022.6	2025.9	2001.4	2007.9	2040.6	2055.3
5°	1721.8	1705.4	1669.4	1658.0	1659.6	1638.4	1646.5	1658.0	1676.0	1685.8	1715.2
7.5°	1241.0	1278.6	1277.0	1304.8	1306.4	1303.2	1280.3	1231.2	1247.6	1234.5	1250.9
10°	887.9	904.2	935.3	953.3	986.0	968.0	915.7	896.0	886.2	884.6	900.9
12.5°	709.6	670.4	667.1	673.7	690.0	668.8	642.6	619.7	631.1	654.0	672.0
15°	549.4	516.7	474.2	467.6	470.9	461.1	433.3	403.9	412.0	434.9	448.0
17.5°	421.9	384.2	354.8	335.2	328.7	294.3	253.4	228.9	222.4	220.7	232.2
20°	284.5	278.0	273.1	248.5	248.5	199.5	165.1	147.2	147.2	150.4	152.1
22.5°	212.6	204.4	206.0	201.1	188.0	148.8	130.8	125.9	125.9	129.2	129.2
25°	184.8	173.3	170.1	168.4	155.3	127.5	114.5	109.6	109.6	112.8	112.8
27.5°	157.0	153.7	148.8	142.3	130.8	109.6	101.4	96.5	98.1	99.7	98.1
30°	143.9	135.7	129.2	129.2	116.1	98.1	91.6	88.3	85.0	88.3	89.9
32.5°	127.5	122.6	119.4	114.5	99.7	86.7	80.1	76.8	75.2	75.2	76.8
35°	109.6	109.6	106.3	99.7	86.7	78.5	70.3	67.0	65.4	67.0	67.0
37.5°	98.1	93.2	94.8	88.3	76.8	68.7	60.5	57.2	57.2	55.6	57.2
40°	91.6	83.4	78.5	75.2	68.7	58.9	52.3	49.1	47.4	47.4	47.4
42.5°	81.8	75.2	65.4	63.8	62.1	50.7	42.5	40.9	39.2	37.6	37.6
45°	76.8	67.0	58.9	50.7	50.7	42.5	36.0	32.7	31.1	29.4	31.1
47.5°	70.3	60.5	50.7	42.5	40.9	34.3	27.8	24.5	22.9	22.9	22.9
50°	67.0	54.0	44.1	36.0	31.1	27.8	21.3	18.0	16.4	16.4	16.4
52.5°	62.1	50.7	39.2	31.1	24.5	21.3	16.4	13.1	11.4	11.4	11.4
55°	55.6	45.8	34.3	26.2	21.3	16.4	11.4	8.2	6.5	6.5	6.5
57.5°	52.3	40.9	29.4	22.9	16.4	11.4	6.5	4.9	4.9	3.3	4.9
60°	47.4	36.0	24.5	18.0	13.1	8.2	4.9	1.6	1.6	1.6	1.6
62.5°	40.9	31.1	21.3	14.7	9.8	4.9	1.6	0.0	0.0	0.0	0.0
65°	34.3	24.5	16.4	11.4	6.5	1.6	0.0	0.0	0.0	0.0	0.0
67.5°	29.4	21.3	13.1	8.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	26.2	18.0	9.8	6.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	21.3	14.7	8.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	18.0	11.4	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	14.7	8.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	11.4	6.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.8	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	1.6	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: P599428
 CATALOG NUMBER: IFLD-S-SA2A-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2
2.5°	2076.6	2066.8	2115.8	2195.9	2236.8	2316.9	2336.6	2387.2	2374.2	2392.2
5°	1718.5	1738.1	1810.1	1927.8	1970.3	2086.4	2195.9	2305.5	2375.8	2410.1
7.5°	1275.4	1340.8	1429.1	1537.0	1646.5	1798.6	1985.0	2112.6	2181.2	2254.8
10°	950.0	1020.3	1121.7	1228.0	1406.2	1576.2	1762.6	1921.2	1980.1	2048.8
12.5°	747.2	856.8	974.5	1089.0	1195.3	1357.1	1587.7	1818.2	1882.0	1934.3
15°	520.0	654.0	822.5	971.3	1120.0	1260.7	1499.4	1779.0	1865.7	1953.9
17.5°	287.8	394.1	587.0	796.3	1015.4	1231.2	1528.8	1850.9	1981.7	2043.9
20°	166.8	209.3	346.6	595.2	884.6	1167.5	1543.5	1986.6	2160.0	2191.0
22.5°	137.3	152.1	196.2	372.8	724.3	1126.6	1618.8	2176.3	2352.9	2426.5
25°	117.7	129.2	152.1	224.0	547.8	1039.9	1666.2	2413.4	2576.9	2657.0
27.5°	104.6	116.1	134.1	165.1	372.8	920.6	1744.7	2627.6	2791.1	2900.7
30°	91.6	101.4	119.4	140.6	258.3	786.5	1811.7	2784.6	3015.1	3049.5
32.5°	81.8	89.9	103.0	121.0	191.3	596.8	1865.7	2946.5	3141.0	3216.2
35°	70.3	80.1	88.3	103.0	145.5	449.7	1832.9	3072.4	3325.8	3415.7
37.5°	62.1	68.7	76.8	86.7	122.6	351.5	1765.9	3222.8	3484.4	3567.8
40°	52.3	57.2	67.0	76.8	111.2	271.4	1689.1	3404.3	3706.8	3853.9
42.5°	44.1	49.1	55.6	71.9	91.6	201.1	1533.7	3544.9	3886.6	4010.9
45°	34.3	40.9	50.7	71.9	73.6	148.8	1373.5	3649.5	3988.0	4050.1
47.5°	26.2	32.7	49.1	62.1	58.9	103.0	1183.8	3768.9	4092.7	4149.9
50°	19.6	26.2	55.6	54.0	49.1	78.5	1064.5	3852.3	4099.2	4130.3
52.5°	13.1	19.6	45.8	40.9	40.9	68.7	1031.7	3849.0	4115.6	4048.5
55°	9.8	14.7	26.2	29.4	36.0	60.5	1002.3	3971.7	4120.5	4167.9
57.5°	6.5	11.4	18.0	22.9	31.1	52.3	941.8	4118.8	4272.5	4297.0
60°	3.3	8.2	13.1	18.0	26.2	45.8	856.8	4226.7	4457.3	4483.4
62.5°	1.6	4.9	9.8	14.7	21.3	36.0	768.5	4055.1	4377.2	4422.9
65°	0.0	3.3	6.5	9.8	13.1	26.2	624.6	3661.0	4060.0	4228.4
67.5°	0.0	0.0	3.3	6.5	8.2	19.6	470.9	3330.7	3767.3	3996.2
70°	0.0	0.0	1.6	1.6	4.9	14.7	300.9	2758.4	3363.4	3489.3
72.5°	0.0	0.0	0.0	0.0	1.6	9.8	175.0	2048.8	2635.8	2869.6
75°	0.0	0.0	0.0	0.0	0.0	8.2	88.3	1317.9	1834.6	2148.5
77.5°	0.0	0.0	0.0	0.0	0.0	6.5	47.4	850.3	1352.2	1615.5
80°	0.0	0.0	0.0	0.0	0.0	1.6	27.8	493.8	865.0	1048.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.4	242.0	516.7	605.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	129.2	258.3	340.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	18.0	34.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)