

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: P599574

Luminaire Tested: **IFLD-S-SA2B-827-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: P599574
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2B-827-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (32) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

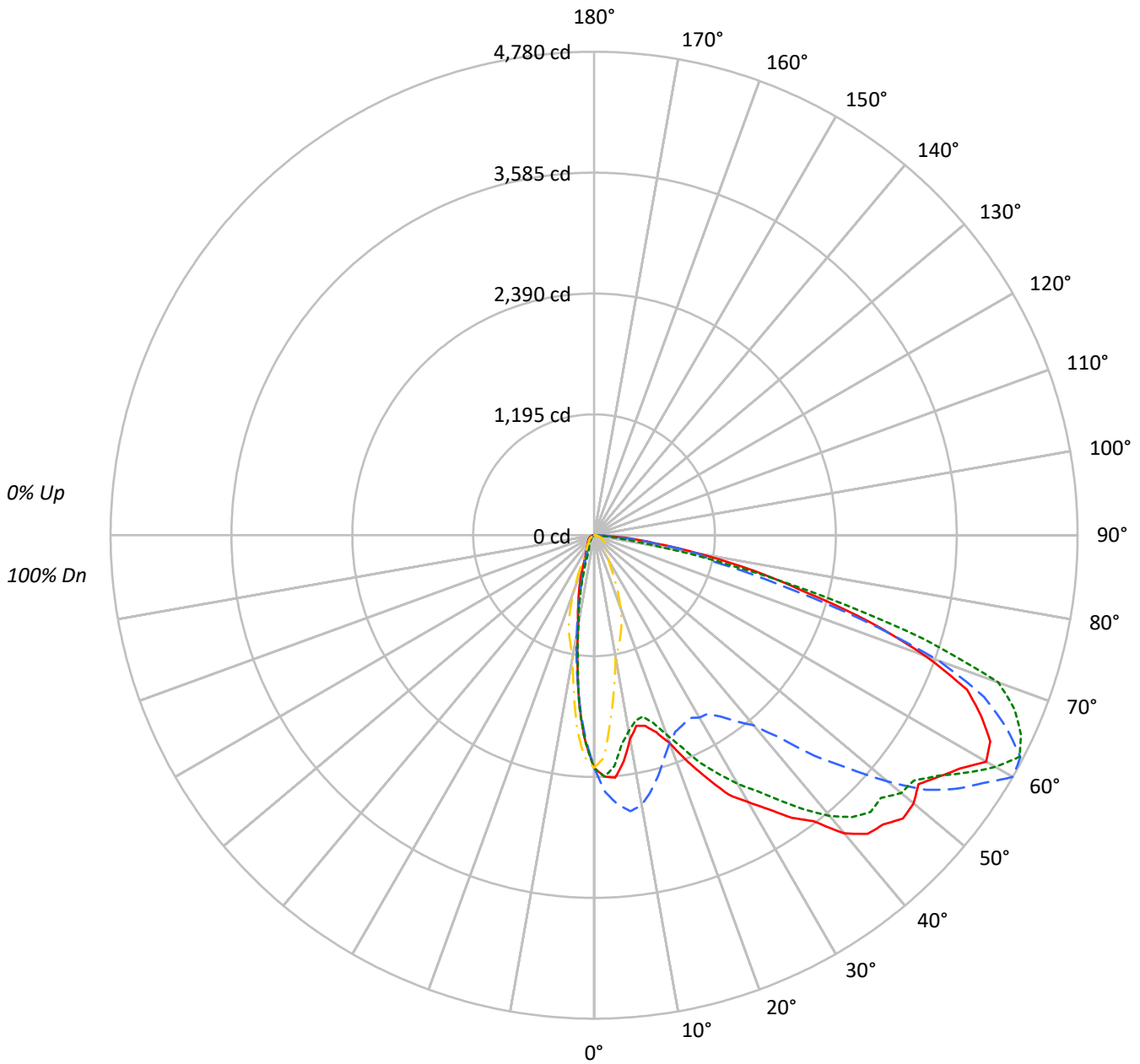
Lumens per Lamp: N/A
 Luminaire Lumens: 6113.1 lumens
 Efficiency: N/A
 Efficacy: 74.2 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 82.4
 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				
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°	49482	49482	49482	49482
5°	51998	49494	36160	36372
10°	44714	43001	19770	19307
15°	43478	41332	12844	9677
20°	50114	48020	6882	3441
25°	63010	58939	4459	2675
30°	75681	70528	3612	2192
35°	89622	84087	2959	1758
40°	108130	101799	2614	1329
45°	123107	117740	2436	895
50°	138105	132746	2405	546
55°	156177	155625	2391	244
60°	192726	197294	2179	69
65°	215040	237158	1997	0
70°	219269	267666	1851	0
75°	178415	197429	1763	0
80°	129726	82567	1822	0
85°	83858	34679	2421	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	2.9
10°-20°	342.4	5.6
20°-30°	473.8	7.8
30°-40°	669.7	11.0
40°-50°	911.8	14.9
50°-60°	1207.6	19.8
60°-70°	1402.1	22.9
70°-80°	794.0	13.0
80°-90°	137.2	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°	990.9	16.2
0°-40°	1660.5	27.2
0°-60°	3779.8	61.8
0°-90°	6113.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6113.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2298	2298	2298	2298	2298	
5°	2406	2290	1673	1683	2406	216
15°	1951	1854	576	434	1951	572
25°	2653	2481	188	113	2653	1237
35°	3410	3200	113	67	3410	2150
45°	4044	3867	80	29	4044	3135
55°	4161	4146	64	6	4161	3770
65°	4222	4656	39	0	4222	4115
75°	2145	2374	21	0	2145	2341
85°	340	140	10	0	340	408
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°	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5
2.5°	2388.3	2438.9	2440.5	2463.4	2486.2	2486.2	2540.1	2527.0	2479.7	2471.5	2437.2
5°	2406.2	2424.2	2437.2	2553.1	2651.1	2641.3	2670.7	2651.1	2559.7	2442.1	2362.1
7.5°	2251.1	2270.7	2323.0	2520.5	2652.7	2696.8	2752.3	2629.9	2533.6	2321.3	2167.9
10°	2045.5	2083.0	2179.3	2404.6	2567.8	2708.2	2708.2	2610.3	2424.2	2216.9	2029.1
12.5°	1931.2	2006.3	2058.5	2287.1	2499.3	2595.6	2592.3	2540.1	2419.3	2158.1	1945.9
15°	1950.8	1972.0	2083.0	2260.9	2401.3	2396.4	2455.2	2438.9	2354.0	2210.3	1976.9
17.5°	2040.6	2073.2	2169.5	2260.9	2327.9	2308.3	2306.6	2385.0	2389.9	2298.5	2092.8
20°	2187.5	2283.8	2329.5	2357.3	2275.6	2192.4	2182.6	2292.0	2376.8	2411.1	2231.6
22.5°	2422.5	2486.2	2579.3	2437.2	2225.0	2120.5	2101.0	2221.8	2393.2	2545.0	2411.1
25°	2652.7	2701.7	2791.5	2608.6	2282.2	2105.9	2071.6	2176.0	2455.2	2731.1	2628.2
27.5°	2896.0	2938.4	2948.2	2734.3	2313.2	2076.5	2035.7	2176.0	2507.4	2829.0	2887.8
30°	3044.5	3095.1	3104.9	2845.4	2363.8	2101.0	2081.4	2185.8	2543.4	2912.3	3073.9
32.5°	3211.0	3224.1	3215.9	2864.9	2419.3	2172.8	2091.2	2251.1	2584.2	3011.9	3243.7
35°	3410.2	3433.0	3349.8	2954.7	2543.4	2218.5	2189.1	2331.1	2654.4	3057.6	3449.4
37.5°	3562.0	3633.8	3446.1	2989.0	2567.8	2314.8	2319.7	2497.6	2703.3	3113.1	3676.3
40°	3847.7	3726.9	3609.3	3106.5	2660.9	2478.1	2451.9	2669.0	2868.2	3149.0	3824.8
42.5°	4004.4	3940.7	3673.0	3118.0	2804.5	2703.3	2709.9	2863.3	2954.7	3250.2	3865.6
45°	4043.6	3976.6	3759.5	3126.1	2946.6	2969.4	3082.1	3111.4	3082.1	3317.1	3942.4
47.5°	4143.1	3997.9	3749.7	3235.5	3176.7	3264.9	3408.5	3472.2	3255.1	3292.6	3978.3
50°	4123.6	4040.3	3728.5	3281.2	3457.5	3691.0	3787.3	3761.2	3447.7	3242.0	3939.1
52.5°	4041.9	3952.2	3793.8	3405.3	3720.3	4002.8	4136.6	4071.3	3619.1	3356.3	3913.0
55°	4161.1	4092.5	3878.7	3573.4	3917.9	4277.0	4371.7	4322.7	3829.7	3462.4	4061.5
57.5°	4290.1	4275.4	4108.9	3770.9	4151.3	4559.4	4559.4	4499.0	4012.6	3615.9	4281.9
60°	4476.2	4508.8	4278.6	3901.5	4231.3	4543.1	4779.8	4709.6	4197.0	3885.2	4531.7
62.5°	4415.8	4520.2	4497.4	4182.3	4322.7	4623.1	4752.0	4804.3	4425.6	4213.3	4864.7
65°	4221.5	4332.5	4495.8	4366.8	4254.2	4428.8	4494.1	4652.5	4539.8	4521.9	5001.8
67.5°	3989.7	4110.5	4211.7	4490.9	4115.4	4231.3	4174.2	4224.8	4415.8	4859.8	5080.2
70°	3483.6	3599.5	3759.5	4215.0	3748.1	3643.6	3628.9	3604.4	3901.5	4739.0	4724.3
72.5°	2864.9	2918.8	3183.3	3426.5	2773.5	2753.9	2776.8	2749.0	3093.5	4290.1	4046.8
75°	2145.0	2198.9	2349.1	2631.5	1888.7	1776.1	1906.7	2035.7	2362.1	3330.2	2907.4
77.5°	1612.9	1681.4	1776.1	1968.7	1385.9	1209.6	1227.6	1350.0	1707.5	2667.4	1629.2
80°	1046.4	1038.2	1221.1	1354.9	1043.1	1075.8	1030.1	1119.9	1237.4	1426.8	832.5
82.5°	604.0	612.2	688.9	777.0	726.4	830.9	599.1	1000.7	883.2	581.2	310.2
85°	339.5	354.2	424.4	538.7	455.5	305.3	249.8	496.3	555.0	238.3	150.2
87.5°	34.3	29.4	57.1	204.1	124.1	50.6	75.1	119.2	133.9	89.8	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°	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5
2.5°	2388.3	2388.3	2347.5	2278.9	2251.1	2202.2	2135.2	2156.5	2133.6	2050.4	2029.1
5°	2290.3	2212.0	2127.1	2022.6	1962.2	1838.1	1799.0	1728.8	1740.2	1670.0	1673.3
7.5°	2086.3	2024.2	1880.6	1743.5	1624.3	1516.5	1364.7	1307.6	1252.1	1224.3	1257.0
10°	1967.1	1851.2	1655.3	1475.7	1317.4	1221.1	1119.9	1041.5	969.7	915.8	904.4
12.5°	1880.6	1777.7	1541.0	1322.3	1198.2	1119.9	1026.8	919.1	848.9	755.8	728.1
15°	1854.5	1728.8	1479.0	1261.9	1141.1	1012.1	906.0	799.9	708.5	610.5	576.3
17.5°	1944.2	1799.0	1477.4	1212.9	1043.1	904.4	757.5	638.3	545.2	455.5	434.2
20°	2096.1	1874.0	1524.7	1183.5	950.1	764.0	597.5	478.3	373.8	315.1	300.4
22.5°	2269.1	2001.4	1529.6	1105.2	857.0	623.6	435.9	315.1	256.3	228.5	220.4
25°	2481.3	2205.4	1588.4	1041.5	747.7	473.4	310.2	241.6	207.3	191.0	187.7
27.5°	2656.0	2347.5	1652.0	974.6	639.9	351.0	243.2	197.5	179.6	163.2	161.6
30°	2837.2	2510.7	1670.0	933.8	546.9	288.9	209.0	174.7	155.1	146.9	145.3
32.5°	2995.5	2688.6	1727.1	866.8	458.7	254.7	189.4	156.7	143.7	130.6	129.0
35°	3199.6	2791.5	1754.9	830.9	426.1	230.2	173.0	143.7	124.1	115.9	112.6
37.5°	3418.3	2891.1	1772.8	803.2	398.3	215.5	163.2	135.5	117.5	106.1	102.8
40°	3622.4	3031.5	1746.7	768.9	377.1	197.5	156.7	125.7	109.4	97.9	93.0
42.5°	3779.1	3168.6	1738.6	736.2	354.2	191.0	148.6	120.8	102.8	89.8	88.2
45°	3867.3	3261.6	1681.4	710.1	336.3	194.3	145.3	114.3	97.9	86.5	80.0
47.5°	3846.0	3333.5	1696.1	702.0	311.8	181.2	143.7	109.4	89.8	80.0	75.1
50°	3963.6	3478.7	1671.6	675.8	293.8	163.2	156.7	109.4	88.2	76.7	71.8
52.5°	3983.2	3611.0	1723.9	628.5	266.1	150.2	155.1	107.7	84.9	73.5	66.9
55°	4146.4	3764.4	1825.1	602.4	243.2	130.6	142.0	104.5	76.7	66.9	63.7
57.5°	4368.4	4082.7	1890.4	577.9	212.2	114.3	119.2	102.8	70.2	62.0	57.1
60°	4582.3	4210.1	1895.3	533.8	182.8	102.8	93.0	102.8	65.3	55.5	50.6
62.5°	4742.3	4210.1	1862.6	496.3	160.0	91.4	81.6	97.9	58.8	49.0	45.7
65°	4655.7	4097.4	1777.7	465.2	145.3	80.0	70.2	75.1	52.2	42.4	39.2
67.5°	4500.7	3746.5	1590.0	427.7	143.7	70.2	60.4	55.5	45.7	37.5	34.3
70°	4252.5	3273.1	1323.9	385.3	140.4	63.7	53.9	47.3	40.8	32.6	29.4
72.5°	3426.5	2703.3	1087.2	360.8	137.1	55.5	45.7	40.8	34.3	27.8	24.5
75°	2373.6	1727.1	837.4	308.5	133.9	50.6	42.4	35.9	29.4	22.9	21.2
77.5°	1423.5	1154.1	540.3	231.8	88.2	40.8	35.9	27.8	24.5	19.6	18.0
80°	666.0	545.2	218.7	89.8	42.4	29.4	24.5	21.2	19.6	16.3	14.7
82.5°	261.2	230.2	106.1	52.2	34.3	22.9	19.6	18.0	16.3	13.1	11.4
85°	140.4	124.1	50.6	35.9	24.5	16.3	16.3	14.7	13.1	11.4	9.8
87.5°	31.0	22.9	21.2	21.2	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°	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5
2.5°	2017.7	2042.2	2003.0	2027.5	1993.2	2019.3	2022.6	1998.1	2004.6	2037.3	2052.0
5°	1719.0	1702.6	1666.7	1655.3	1656.9	1635.7	1643.9	1655.3	1673.3	1683.1	1712.4
7.5°	1239.0	1276.6	1274.9	1302.7	1304.3	1301.1	1278.2	1229.2	1245.6	1232.5	1248.8
10°	886.4	902.7	933.8	951.7	984.4	966.4	914.2	894.6	884.8	883.2	899.5
12.5°	708.5	669.3	666.0	672.6	688.9	667.7	641.6	618.7	630.1	653.0	670.9
15°	548.5	515.9	473.4	466.9	470.1	460.3	432.6	403.2	411.4	434.2	447.3
17.5°	421.2	383.6	354.2	334.7	328.1	293.8	253.0	228.5	222.0	220.4	231.8
20°	284.0	277.5	272.6	248.1	248.1	199.2	164.9	146.9	146.9	150.2	151.8
22.5°	212.2	204.1	205.7	200.8	187.7	148.6	130.6	125.7	125.7	129.0	129.0
25°	184.5	173.0	169.8	168.1	155.1	127.3	114.3	109.4	109.4	112.6	112.6
27.5°	156.7	153.4	148.6	142.0	130.6	109.4	101.2	96.3	97.9	99.6	97.9
30°	143.7	135.5	129.0	129.0	115.9	97.9	91.4	88.2	84.9	88.2	89.8
32.5°	127.3	122.4	119.2	114.3	99.6	86.5	80.0	76.7	75.1	75.1	76.7
35°	109.4	109.4	106.1	99.6	86.5	78.4	70.2	66.9	65.3	66.9	66.9
37.5°	97.9	93.0	94.7	88.2	76.7	68.6	60.4	57.1	57.1	55.5	57.1
40°	91.4	83.3	78.4	75.1	68.6	58.8	52.2	49.0	47.3	47.3	47.3
42.5°	81.6	75.1	65.3	63.7	62.0	50.6	42.4	40.8	39.2	37.5	37.5
45°	76.7	66.9	58.8	50.6	50.6	42.4	35.9	32.6	31.0	29.4	31.0
47.5°	70.2	60.4	50.6	42.4	40.8	34.3	27.8	24.5	22.9	22.9	22.9
50°	66.9	53.9	44.1	35.9	31.0	27.8	21.2	18.0	16.3	16.3	16.3
52.5°	62.0	50.6	39.2	31.0	24.5	21.2	16.3	13.1	11.4	11.4	11.4
55°	55.5	45.7	34.3	26.1	21.2	16.3	11.4	8.2	6.5	6.5	6.5
57.5°	52.2	40.8	29.4	22.9	16.3	11.4	6.5	4.9	4.9	3.3	4.9
60°	47.3	35.9	24.5	18.0	13.1	8.2	4.9	1.6	1.6	1.6	1.6
62.5°	40.8	31.0	21.2	14.7	9.8	4.9	1.6	0.0	0.0	0.0	0.0
65°	34.3	24.5	16.3	11.4	6.5	1.6	0.0	0.0	0.0	0.0	0.0
67.5°	29.4	21.2	13.1	8.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	26.1	18.0	9.8	6.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	21.2	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: P599574
 CATALOG NUMBER: IFLD-S-SA2B-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5	2298.5
2.5°	2073.2	2063.4	2112.4	2192.4	2233.2	2313.2	2332.8	2383.4	2370.3	2388.3
5°	1715.7	1735.3	1807.1	1924.7	1967.1	2083.0	2192.4	2301.7	2371.9	2406.2
7.5°	1273.3	1338.6	1426.8	1534.5	1643.9	1795.7	1981.8	2109.1	2177.7	2251.1
10°	948.5	1018.6	1119.9	1226.0	1403.9	1573.7	1759.8	1918.1	1976.9	2045.5
12.5°	746.0	855.4	972.9	1087.2	1193.3	1354.9	1585.1	1815.3	1878.9	1931.2
15°	519.1	653.0	821.1	969.7	1118.2	1258.6	1497.0	1776.1	1862.6	1950.8
17.5°	287.3	393.4	586.0	795.0	1013.7	1229.2	1526.3	1847.9	1978.5	2040.6
20°	166.5	209.0	346.1	594.2	883.2	1165.6	1541.0	1983.4	2156.5	2187.5
22.5°	137.1	151.8	195.9	372.2	723.2	1124.8	1616.1	2172.8	2349.1	2422.5
25°	117.5	129.0	151.8	223.6	546.9	1038.2	1663.5	2409.5	2572.7	2652.7
27.5°	104.5	115.9	133.9	164.9	372.2	919.1	1741.8	2623.3	2786.6	2896.0
30°	91.4	101.2	119.2	140.4	257.9	785.2	1808.7	2780.1	3010.2	3044.5
32.5°	81.6	89.8	102.8	120.8	191.0	595.8	1862.6	2941.7	3135.9	3211.0
35°	70.2	80.0	88.2	102.8	145.3	448.9	1830.0	3067.4	3320.4	3410.2
37.5°	62.0	68.6	76.7	86.5	122.4	351.0	1763.0	3217.6	3478.7	3562.0
40°	52.2	57.1	66.9	76.7	111.0	271.0	1686.3	3398.8	3700.8	3847.7
42.5°	44.1	49.0	55.5	71.8	91.4	200.8	1531.2	3539.1	3880.3	4004.4
45°	34.3	40.8	50.6	71.8	73.5	148.6	1371.3	3643.6	3981.5	4043.6
47.5°	26.1	32.6	49.0	62.0	58.8	102.8	1181.9	3762.8	4086.0	4143.1
50°	19.6	26.1	55.5	53.9	49.0	78.4	1062.7	3846.0	4092.5	4123.6
52.5°	13.1	19.6	45.7	40.8	40.8	68.6	1030.1	3842.8	4108.9	4041.9
55°	9.8	14.7	26.1	29.4	35.9	60.4	1000.7	3965.2	4113.8	4161.1
57.5°	6.5	11.4	18.0	22.9	31.0	52.2	940.3	4112.1	4265.6	4290.1
60°	3.3	8.2	13.1	18.0	26.1	45.7	855.4	4219.9	4450.0	4476.2
62.5°	1.6	4.9	9.8	14.7	21.2	35.9	767.2	4048.5	4370.1	4415.8
65°	0.0	3.3	6.5	9.8	13.1	26.1	623.6	3655.0	4053.4	4221.5
67.5°	0.0	0.0	3.3	6.5	8.2	19.6	470.1	3325.3	3761.2	3989.7
70°	0.0	0.0	1.6	1.6	4.9	14.7	300.4	2753.9	3357.9	3483.6
72.5°	0.0	0.0	0.0	0.0	1.6	9.8	174.7	2045.5	2631.5	2864.9
75°	0.0	0.0	0.0	0.0	0.0	8.2	88.2	1315.8	1831.6	2145.0
77.5°	0.0	0.0	0.0	0.0	0.0	6.5	47.3	848.9	1350.0	1612.9
80°	0.0	0.0	0.0	0.0	0.0	1.6	27.8	493.0	863.6	1046.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.4	241.6	515.9	604.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	129.0	257.9	339.5
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)