

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: P599080

Luminaire Tested: **IFLD-S-SA2A-830-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599080  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA2A-830-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (32) 3000K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

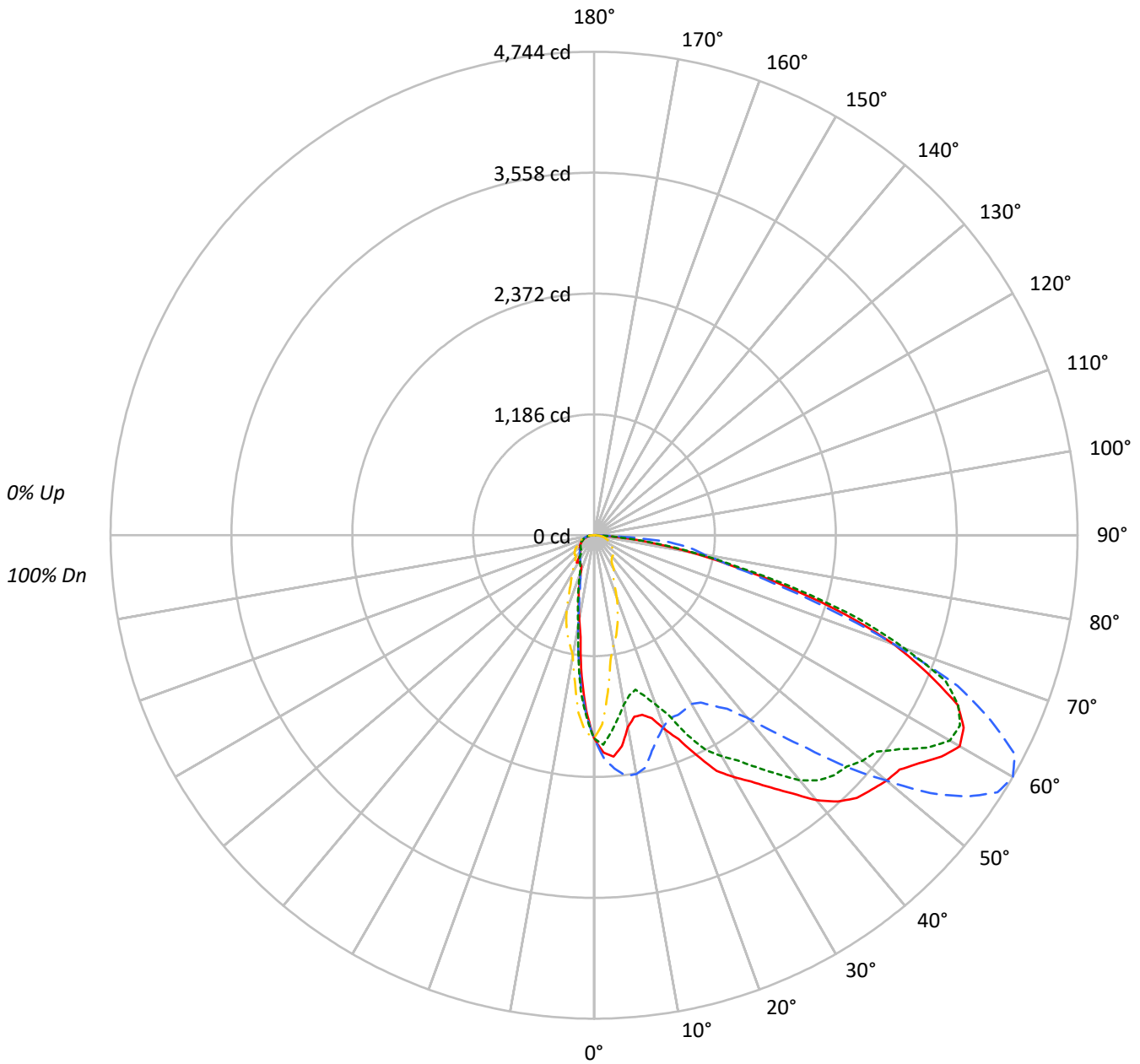
Lumens per Lamp: N/A  
 Luminaire Lumens: 6240.0 lumens  
 Efficiency: N/A  
 Efficacy: 97.8 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 63.8  
 Input Voltage (V): 120  
 Input Current (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77	77	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60	60	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47	47	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31	31	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26	26	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22	22	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19	19	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17	17	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15	15	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	42905	42905	42905	42905
5°	47136	41872	30029	32780
10°	41752	36851	18214	19545
15°	40656	34980	12893	13388
20°	46357	40458	8435	9322
25°	56481	51286	7364	7627
30°	68052	62203	7639	7087
35°	79367	73036	6328	5966
40°	95372	88214	5913	5601
45°	110987	101382	5982	5562
50°	125432	115234	6119	5747
55°	146280	137347	6339	6024
60°	178414	173527	6316	6316
65°	200507	200787	6485	6770
70°	197056	204024	6798	6968
75°	162553	173374	7137	7594
80°	117366	123193	7897	8232
85°	64962	69729	8892	10942

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.8	2.5
10°-20°	326.9	5.2
20°-30°	478.3	7.7
30°-40°	673.9	10.8
40°-50°	926.1	14.8
50°-60°	1262.2	20.2
60°-70°	1381.4	22.1
70°-80°	797.5	12.8
80°-90°	238.8	3.8
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°	960.0	15.4
0°-40°	1633.9	26.2
0°-60°	3822.2	61.3
0°-90°	6240.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6240.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1993	1993	1993	1993	1993	
5°	2181	1938	1390	1517	2181	198
15°	1824	1570	578	601	1824	533
25°	2378	2159	310	321	2378	1113
35°	3020	2779	241	227	3020	1915
45°	3646	3330	196	183	3646	2802
55°	3897	3659	169	160	3897	3517
65°	3936	3942	127	133	3936	3767
75°	1954	2084	86	91	1954	2099
85°	263	282	36	44	263	365
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°	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0
2.5°	2134.2	2125.9	2134.2	2164.6	2172.9	2186.8	2186.8	2167.4	2131.4	2114.8	2087.1
5°	2181.2	2167.4	2236.6	2300.3	2350.1	2344.6	2297.5	2258.7	2186.8	2078.8	1976.4
7.5°	2087.1	2101.0	2150.8	2316.9	2433.1	2455.3	2380.5	2303.0	2148.0	1998.5	1860.1
10°	1910.0	1929.3	2037.3	2208.9	2391.6	2427.6	2380.5	2286.4	2101.0	1915.5	1755.0
12.5°	1824.2	1868.4	1932.1	2139.7	2269.8	2355.6	2333.5	2272.6	2065.0	1846.3	1691.3
15°	1824.2	1835.2	1929.3	2103.7	2178.5	2181.2	2189.5	2200.6	2076.1	1876.7	1669.1
17.5°	1882.3	1912.7	1993.0	2101.0	2114.8	2081.6	2081.6	2128.6	2098.2	1962.6	1749.4
20°	2023.5	2012.4	2117.6	2161.9	2087.1	2004.1	1995.8	2076.1	2123.1	2053.9	1896.1
22.5°	2164.6	2214.5	2300.3	2200.6	2062.2	1951.5	1940.4	2040.1	2197.8	2211.7	2065.0
25°	2377.8	2427.6	2471.9	2350.1	2059.4	1937.6	1946.0	2023.5	2289.2	2435.9	2347.3
27.5°	2607.5	2638.0	2701.6	2513.4	2125.9	1921.0	1929.3	2045.6	2375.0	2582.6	2568.8
30°	2737.6	2770.8	2757.0	2543.9	2170.2	1932.1	1910.0	2076.1	2327.9	2582.6	2712.7
32.5°	2864.9	2845.6	2837.3	2593.7	2225.5	2001.3	1946.0	2139.7	2355.6	2624.1	2898.2
35°	3020.0	2992.3	2970.1	2690.6	2316.9	2067.7	2042.8	2222.8	2416.5	2709.9	3047.6
37.5°	3191.6	3191.6	3083.6	2762.5	2424.8	2175.7	2148.0	2341.8	2513.4	2762.5	3252.5
40°	3393.7	3402.0	3211.0	2859.4	2546.6	2347.3	2339.0	2496.8	2607.5	2840.0	3449.0
42.5°	3543.1	3548.7	3321.7	2895.4	2687.8	2585.4	2621.4	2745.9	2715.5	2909.2	3462.9
45°	3645.5	3617.9	3399.2	2997.8	2842.8	2942.5	2953.5	2989.5	2856.6	2950.8	3518.2
47.5°	3695.4	3689.8	3432.4	3116.8	3169.4	3305.1	3368.7	3318.9	2986.7	2906.5	3518.2
50°	3745.2	3698.1	3462.9	3280.2	3487.8	3761.8	3748.0	3656.6	3166.7	2961.8	3465.6
52.5°	3778.4	3736.9	3523.8	3426.9	3792.3	4102.3	4157.6	3988.8	3377.0	3064.3	3490.5
55°	3897.4	3864.2	3706.4	3626.2	4143.8	4462.1	4470.4	4235.1	3598.5	3233.1	3653.8
57.5°	4041.4	4060.8	3958.3	3908.5	4412.3	4725.1	4694.6	4417.8	3786.7	3437.9	3842.1
60°	4143.8	4174.2	4149.3	4154.9	4545.2	4813.7	4744.5	4531.3	3925.1	3593.0	4071.8
62.5°	4088.4	4149.3	4251.8	4229.6	4550.7	4750.0	4653.1	4381.9	3941.7	3795.0	4246.2
65°	3936.2	3941.7	4141.0	4262.8	4301.6	4420.6	4293.3	4069.1	3770.1	3919.6	4221.3
67.5°	3545.9	3590.2	3770.1	4008.2	3844.8	3872.5	3861.5	3537.6	3509.9	3833.8	4030.3
70°	3130.7	3161.1	3357.7	3637.2	3246.9	3116.8	3141.8	2900.9	3014.4	3568.0	3645.5
72.5°	2588.1	2607.5	2831.7	3078.1	2604.8	2372.2	2430.4	2233.8	2394.4	3122.4	3075.3
75°	1954.3	1990.2	2164.6	2455.3	1918.3	1768.8	1826.9	1746.7	1896.1	2571.5	2386.1
77.5°	1389.6	1361.9	1577.8	1921.0	1442.2	1353.6	1359.1	1373.0	1533.5	2167.4	1713.4
80°	946.7	955.0	1148.7	1408.9	1132.1	1118.3	1104.5	1215.2	1287.2	1716.2	1245.6
82.5°	561.9	561.9	775.1	1002.0	894.1	1007.6	943.9	1043.6	1007.6	1262.2	816.6
85°	263.0	263.0	398.6	722.5	692.0	830.4	705.9	788.9	744.6	880.2	368.2
87.5°	44.3	38.8	80.3	354.3	285.1	323.9	127.3	420.7	467.8	614.5	91.3
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°	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0
2.5°	2056.7	2037.3	1998.5	1948.7	1907.2	1854.6	1838.0	1802.0	1752.2	1746.7	1724.5
5°	1937.6	1871.2	1788.2	1685.8	1616.6	1544.6	1483.7	1447.7	1406.2	1400.6	1389.6
7.5°	1807.5	1724.5	1586.1	1464.3	1345.3	1231.8	1176.4	1107.2	1060.2	1024.2	1007.6
10°	1685.8	1608.2	1436.6	1270.5	1165.4	1090.6	1024.2	952.2	894.1	849.8	833.2
12.5°	1605.5	1514.1	1328.7	1170.9	1093.4	1007.6	932.8	855.3	780.6	722.5	692.0
15°	1569.5	1483.7	1295.5	1121.1	1007.6	888.5	802.7	725.2	633.9	592.4	578.5
17.5°	1655.3	1528.0	1284.4	1062.9	902.4	766.8	661.6	578.5	512.1	470.6	454.0
20°	1766.0	1608.2	1303.8	993.7	802.7	650.5	534.2	445.7	401.4	370.9	368.2
22.5°	1907.2	1727.3	1334.2	943.9	692.0	523.2	418.0	365.4	334.9	332.2	326.6
25°	2159.1	1943.2	1384.0	877.5	603.4	431.8	357.1	326.6	312.8	304.5	310.0
27.5°	2375.0	2084.4	1420.0	836.0	567.5	406.9	346.0	312.8	299.0	296.2	299.0
30°	2502.3	2214.5	1408.9	758.5	495.5	387.5	368.2	357.1	329.4	307.3	307.3
32.5°	2618.6	2297.5	1406.2	689.2	423.5	323.9	307.3	299.0	315.6	326.6	318.3
35°	2779.1	2427.6	1397.9	650.5	393.1	299.0	271.3	249.1	238.1	232.5	240.8
37.5°	2950.8	2516.2	1375.7	645.0	376.5	285.1	263.0	240.8	229.7	224.2	221.4
40°	3139.0	2610.3	1350.8	617.3	368.2	276.8	254.7	235.3	221.4	213.1	210.4
42.5°	3260.8	2685.0	1325.9	603.4	351.5	271.3	246.4	229.7	215.9	204.8	204.8
45°	3330.0	2773.6	1301.0	589.6	332.2	274.0	246.4	224.2	207.6	202.1	196.5
47.5°	3360.4	2840.0	1292.7	567.5	315.6	263.0	240.8	218.7	202.1	191.0	188.2
50°	3440.7	2981.2	1323.1	550.8	296.2	251.9	254.7	215.9	199.3	185.5	182.7
52.5°	3487.8	3094.7	1389.6	525.9	282.3	238.1	249.1	210.4	191.0	177.2	177.2
55°	3659.4	3282.9	1461.5	506.6	265.7	218.7	229.7	199.3	177.2	168.9	168.9
57.5°	3878.1	3482.2	1522.4	498.3	254.7	204.8	204.8	193.8	168.9	157.8	155.0
60°	4030.3	3645.5	1558.4	492.7	243.6	191.0	182.7	193.8	160.5	149.5	146.7
62.5°	4046.9	3551.4	1522.4	489.9	240.8	177.2	166.1	185.5	152.2	141.2	135.6
65°	3941.7	3360.4	1422.8	478.9	238.1	163.3	155.0	160.5	141.2	132.9	127.3
67.5°	3731.4	3050.4	1278.8	473.3	235.3	152.2	141.2	138.4	130.1	121.8	116.3
70°	3241.4	2646.3	1110.0	448.4	229.7	143.9	127.3	124.6	116.3	110.7	108.0
72.5°	2721.0	2164.6	916.2	415.2	218.7	130.1	116.3	110.7	108.0	99.7	96.9
75°	2084.4	1666.4	733.5	368.2	191.0	116.3	102.4	96.9	94.1	88.6	85.8
77.5°	1464.3	1240.1	542.5	299.0	160.5	105.2	91.3	85.8	83.0	74.7	74.7
80°	993.7	869.2	368.2	207.6	124.6	85.8	80.3	74.7	69.2	63.7	63.7
82.5°	617.3	609.0	265.7	135.6	91.3	69.2	63.7	63.7	55.4	49.8	49.8
85°	282.3	373.7	185.5	94.1	69.2	52.6	52.6	49.8	44.3	36.0	36.0
87.5°	88.6	124.6	96.9	41.5	38.8	30.4	30.4	27.7	27.7	22.1	22.1
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0
2.5°	1746.7	1743.9	1743.9	1732.8	1760.5	1760.5	1777.1	1763.3	1771.6	1774.3	1796.5
5°	1386.8	1408.9	1425.6	1458.8	1478.1	1486.5	1486.5	1508.6	1500.3	1516.9	1550.1
7.5°	1015.9	1043.6	1093.4	1134.9	1168.1	1179.2	1176.4	1182.0	1190.3	1170.9	1176.4
10°	822.1	802.7	819.3	858.1	888.5	924.5	896.9	894.1	902.4	894.1	910.7
12.5°	686.5	664.3	650.5	650.5	672.6	689.2	680.9	694.8	725.2	733.5	752.9
15°	556.4	537.0	525.9	512.1	534.2	539.8	548.1	567.5	589.6	600.7	622.8
17.5°	445.7	445.7	445.7	434.6	442.9	451.2	454.0	478.9	481.6	492.7	501.0
20°	365.4	373.7	387.5	393.1	401.4	401.4	395.8	409.7	398.6	406.9	412.4
22.5°	329.4	340.5	346.0	348.8	359.8	362.6	348.8	351.5	354.3	346.0	348.8
25°	310.0	315.6	310.0	312.8	315.6	310.0	312.8	318.3	315.6	321.1	318.3
27.5°	301.7	296.2	293.4	290.6	290.6	285.1	287.9	287.9	293.4	296.2	296.2
30°	301.7	293.4	282.3	274.0	274.0	265.7	271.3	276.8	279.6	285.1	285.1
32.5°	310.0	293.4	274.0	265.7	257.4	251.9	257.4	265.7	276.8	279.6	282.3
35°	246.4	254.7	251.9	240.8	238.1	238.1	235.3	235.3	227.0	227.0	224.2
37.5°	221.4	218.7	224.2	227.0	229.7	221.4	221.4	210.4	207.6	210.4	210.4
40°	207.6	207.6	207.6	215.9	218.7	213.1	204.8	199.3	199.3	199.3	202.1
42.5°	202.1	196.5	193.8	199.3	207.6	202.1	193.8	191.0	191.0	193.8	193.8
45°	193.8	191.0	188.2	185.5	196.5	188.2	185.5	182.7	182.7	182.7	185.5
47.5°	185.5	182.7	177.2	177.2	179.9	177.2	174.4	174.4	174.4	179.9	179.9
50°	179.9	177.2	171.6	171.6	171.6	171.6	168.9	168.9	168.9	171.6	174.4
52.5°	171.6	168.9	166.1	163.3	163.3	163.3	163.3	163.3	163.3	166.1	168.9
55°	163.3	160.5	157.8	157.8	160.5	160.5	157.8	160.5	157.8	160.5	163.3
57.5°	155.0	152.2	149.5	152.2	155.0	152.2	152.2	152.2	152.2	152.2	155.0
60°	143.9	143.9	143.9	143.9	149.5	149.5	149.5	149.5	143.9	146.7	149.5
62.5°	138.4	135.6	135.6	138.4	141.2	141.2	143.9	141.2	138.4	141.2	141.2
65°	127.3	127.3	127.3	130.1	130.1	132.9	132.9	132.9	130.1	132.9	132.9
67.5°	119.0	119.0	119.0	119.0	124.6	124.6	124.6	124.6	121.8	121.8	124.6
70°	105.2	108.0	105.2	110.7	116.3	113.5	116.3	116.3	113.5	110.7	116.3
72.5°	96.9	96.9	96.9	96.9	105.2	105.2	105.2	108.0	105.2	102.4	105.2
75°	85.8	85.8	85.8	88.6	94.1	94.1	94.1	94.1	94.1	91.3	91.3
77.5°	74.7	77.5	74.7	77.5	83.0	80.3	83.0	85.8	83.0	80.3	80.3
80°	63.7	63.7	63.7	66.4	69.2	69.2	69.2	72.0	69.2	66.4	66.4
82.5°	49.8	49.8	52.6	52.6	55.4	55.4	55.4	58.1	55.4	52.6	52.6
85°	38.8	38.8	38.8	41.5	41.5	44.3	44.3	47.1	47.1	44.3	44.3
87.5°	24.9	22.1	24.9	24.9	27.7	27.7	24.9	22.1	24.9	22.1	19.4
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: P599080  
 CATALOG NUMBER: IFLD-S-SA2A-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0	1993.0
2.5°	1818.6	1868.4	1904.4	1929.3	1965.3	2034.5	2062.2	2112.0	2125.9	2134.2
5°	1564.0	1616.6	1694.1	1749.4	1813.1	1943.2	2042.8	2117.6	2150.8	2181.2
7.5°	1226.3	1295.5	1375.7	1447.7	1552.9	1713.4	1843.5	1998.5	2056.7	2087.1
10°	957.8	1021.4	1110.0	1198.6	1345.3	1480.9	1666.4	1807.5	1887.8	1910.0
12.5°	808.3	883.0	988.2	1096.2	1187.5	1342.5	1530.7	1735.6	1810.3	1824.2
15°	686.5	788.9	896.9	1007.6	1112.8	1248.4	1450.5	1699.6	1810.3	1824.2
17.5°	567.5	658.8	786.1	905.2	1027.0	1212.4	1464.3	1730.0	1840.8	1882.3
20°	451.2	539.8	639.4	788.9	955.0	1151.5	1494.8	1832.5	1979.2	2023.5
22.5°	373.7	412.4	509.3	653.3	849.8	1110.0	1525.2	1993.0	2148.0	2164.6
25°	326.6	354.3	415.2	550.8	766.8	1082.3	1597.2	2178.5	2377.8	2377.8
27.5°	304.5	315.6	357.1	478.9	708.6	1057.4	1669.1	2383.3	2568.8	2607.5
30°	299.0	326.6	348.8	426.3	645.0	988.2	1735.6	2543.9	2734.9	2737.6
32.5°	293.4	287.9	304.5	370.9	567.5	916.2	1790.9	2707.2	2856.6	2864.9
35°	229.7	240.8	268.5	326.6	509.3	863.6	1818.6	2795.7	3011.7	3020.0
37.5°	215.9	229.7	251.9	301.7	470.6	819.3	1826.9	2967.4	3175.0	3191.6
40°	210.4	221.4	238.1	279.6	440.1	764.0	1843.5	3144.5	3415.8	3393.7
42.5°	199.3	213.1	229.7	268.5	415.2	722.5	1846.3	3241.4	3543.1	3543.1
45°	196.5	204.8	224.2	268.5	387.5	686.5	1802.0	3338.3	3689.8	3645.5
47.5°	185.5	202.1	218.7	260.2	354.3	650.5	1749.4	3388.1	3709.2	3695.4
50°	182.7	199.3	227.0	246.4	334.9	633.9	1738.3	3512.7	3748.0	3745.2
52.5°	177.2	193.8	235.3	235.3	310.0	611.7	1790.9	3568.0	3756.3	3778.4
55°	168.9	193.8	218.7	215.9	287.9	584.1	1849.1	3712.0	3903.0	3897.4
57.5°	163.3	188.2	207.6	196.5	263.0	564.7	1934.9	3850.4	4080.1	4041.4
60°	155.0	188.2	185.5	182.7	243.6	548.1	2006.8	3878.1	4118.9	4143.8
62.5°	149.5	196.5	163.3	168.9	227.0	539.8	1976.4	3670.5	4066.3	4088.4
65°	143.9	168.9	149.5	155.0	221.4	523.2	1857.4	3421.3	3839.3	3936.2
67.5°	132.9	138.4	138.4	143.9	215.9	484.4	1613.8	2972.9	3493.3	3545.9
70°	121.8	124.6	124.6	132.9	210.4	440.1	1331.4	2571.5	3031.0	3130.7
72.5°	110.7	110.7	110.7	121.8	193.8	404.1	1096.2	1976.4	2518.9	2588.1
75°	96.9	96.9	96.9	108.0	174.4	368.2	863.6	1469.8	1854.6	1954.3
77.5°	85.8	85.8	83.0	96.9	152.2	299.0	622.8	1038.0	1306.5	1389.6
80°	72.0	69.2	69.2	77.5	119.0	215.9	401.4	733.5	910.7	946.7
82.5°	58.1	55.4	52.6	58.1	85.8	135.6	249.1	512.1	584.1	561.9
85°	55.4	58.1	47.1	44.3	60.9	88.6	157.8	315.6	263.0	263.0
87.5°	22.1	19.4	19.4	16.6	30.4	33.2	69.2	58.1	44.3	44.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)