

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: P599167

Luminaire Tested: **IFLD-S-SA2A-730-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599167  
 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-SLR-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield  
 Light Source: (32) 3000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

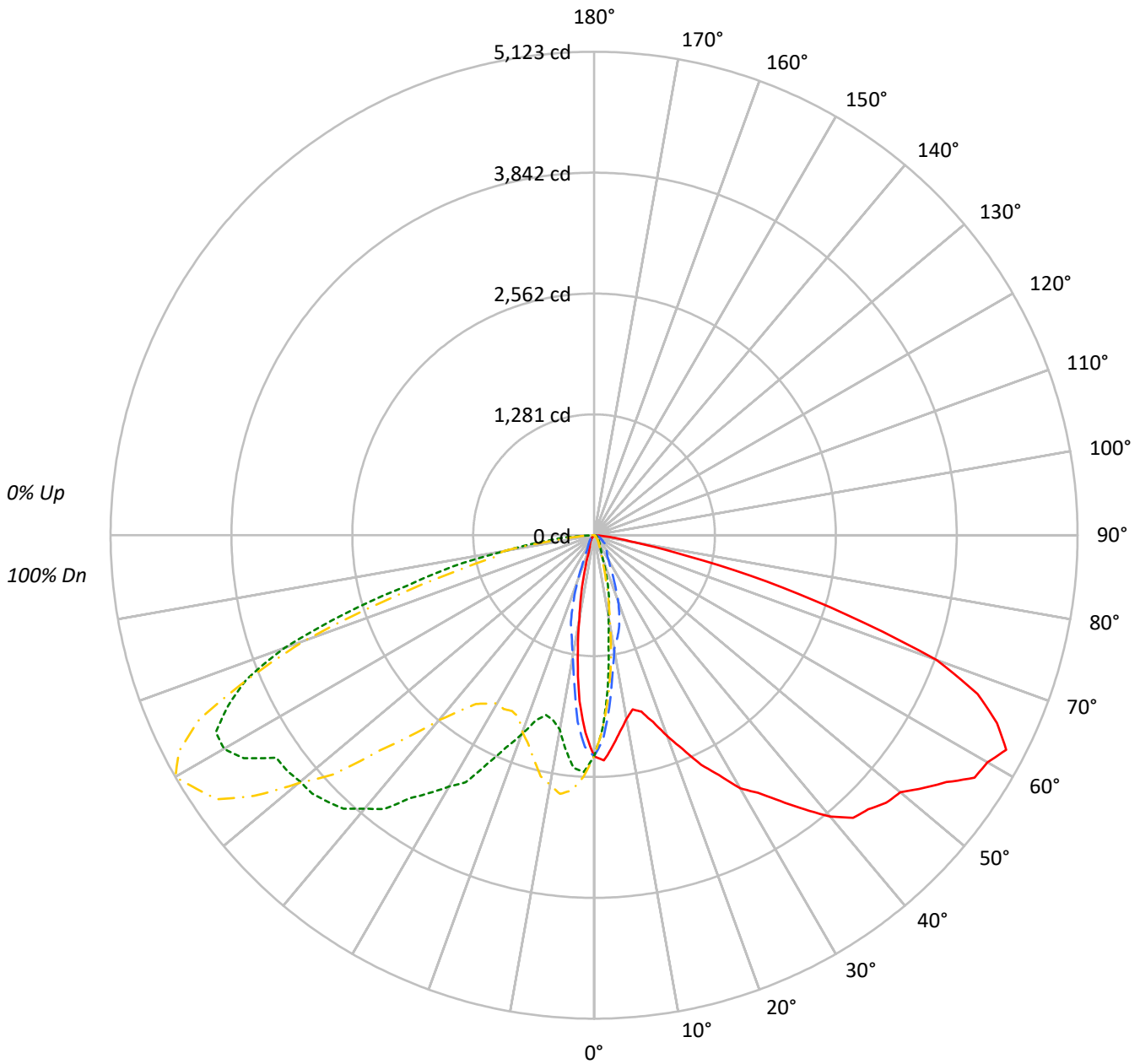
Lumens per Lamp: N/A  
 Luminaire Lumens: 6123.7 lumens  
 Efficiency: N/A  
 Efficacy: 96.0 lumens/watt  
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65  
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
 CIE Type: Direct

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16

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

	0°	90°	180°	270°
0°	50399	50399	50399	50399
5°	48521	35464	38174	53481
10°	43200	19309	19560	45727
15°	43124	12878	7874	43935
20°	51780	6431	3139	51478
25°	63687	4040	2432	63374
30°	76951	3242	1847	76459
35°	90292	2604	1432	89380
40°	109311	2226	927	106295
45°	125056	2009	502	121588
50°	141883	1936	111	136075
55°	171149	1858	0	154293
60°	207210	1563	0	194913
65°	239934	1263	0	218071
70°	242961	1039	0	219892
75°	157238	690	0	168633
80°	53631	211	0	119325
85°	26923	0	0	87686

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.3	2.9
10°-20°	343.4	5.6
20°-30°	478.3	7.8
30°-40°	679.6	11.1
40°-50°	942.4	15.4
50°-60°	1284.0	21.0
60°-70°	1411.7	23.1
70°-80°	693.8	11.3
80°-90°	113.3	1.9
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°	999.0	16.3
0°-40°	1678.6	27.4
0°-60°	3904.9	63.8
0°-90°	6123.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6123.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2341	2341	2341	2341	2341	
5°	2245	1641	1766	2475	2245	205
15°	1935	578	353	1971	1935	573
25°	2681	170	102	2668	2681	1247
35°	3436	99	54	3401	3436	2181
45°	4108	66	16	3994	4108	3184
55°	4560	50	0	4111	4560	4102
65°	4710	25	0	4281	4710	4552
75°	1890	8	0	2027	1890	2061
85°	109	0	0	355	109	151
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°	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1
2.5°	2389.0	2417.0	2390.6	2298.2	2281.6	2237.1	2169.4	2164.4	2093.4	2101.7	2063.7
5°	2245.3	2273.4	2217.3	2095.1	1981.2	1890.4	1835.9	1738.5	1717.0	1669.1	1669.1
7.5°	2098.4	2096.7	2001.0	1898.6	1728.6	1561.8	1485.9	1345.5	1263.0	1218.4	1175.5
10°	1976.2	1949.8	1890.4	1679.0	1494.1	1320.8	1226.7	1134.2	1048.4	974.1	899.8
12.5°	1890.4	1906.9	1812.8	1583.3	1343.9	1223.4	1122.7	1025.3	922.9	838.7	756.1
15°	1934.9	1908.5	1797.9	1561.8	1319.1	1154.0	1020.3	901.4	787.5	676.9	614.2
17.5°	2073.6	2005.9	1875.5	1561.8	1267.9	1048.4	886.6	746.2	624.1	525.0	447.4
20°	2260.2	2182.6	2042.3	1619.6	1230.0	970.8	749.5	572.9	445.8	353.3	293.9
22.5°	2451.7	2390.6	2179.3	1642.7	1185.4	866.8	591.0	414.4	297.2	237.7	208.0
25°	2681.2	2595.3	2364.2	1735.2	1119.4	766.1	465.6	288.9	221.2	189.9	171.7
27.5°	2864.4	2849.6	2537.5	1791.3	1069.8	683.5	368.2	229.5	183.3	160.1	148.6
30°	3095.6	3014.7	2748.9	1903.6	1013.7	589.4	307.1	206.4	168.4	143.6	135.4
32.5°	3234.3	3196.3	2859.5	1966.3	951.0	511.8	264.2	181.6	153.5	135.4	127.1
35°	3435.7	3359.7	3018.0	2005.9	917.9	467.2	237.7	165.1	128.8	110.6	100.7
37.5°	3660.2	3632.1	3207.8	2004.3	870.1	440.8	219.6	153.5	122.2	102.4	90.8
40°	3889.7	3775.8	3323.4	2050.5	845.3	421.0	206.4	146.9	115.6	97.4	82.5
42.5°	4061.4	3931.0	3457.1	2034.0	815.6	386.3	201.4	137.0	110.6	89.2	75.9
45°	4107.6	4061.4	3577.7	2029.0	794.1	358.3	193.2	135.4	107.3	84.2	71.0
47.5°	4196.8	4165.4	3726.2	2037.3	777.6	336.8	173.4	138.7	102.4	79.2	67.7
50°	4236.4	4180.3	3846.8	2057.1	739.6	310.4	155.2	145.3	100.7	77.6	64.4
52.5°	4399.8	4350.3	4011.9	2113.2	708.3	275.7	137.0	138.7	104.0	72.6	61.1
55°	4560.0	4503.9	4266.1	2242.0	663.7	247.6	117.2	122.2	99.1	66.0	54.5
57.5°	4779.6	4687.1	4436.2	2294.9	624.1	209.7	104.0	100.7	92.5	59.4	47.9
60°	4812.6	4850.6	4411.4	2261.8	582.8	184.9	90.8	77.6	99.1	52.8	41.3
62.5°	4923.2	4764.7	4295.8	2185.9	553.1	170.1	80.9	64.4	85.9	46.2	34.7
65°	4710.2	4593.0	4025.1	1941.5	515.1	171.7	71.0	52.8	54.5	38.0	28.1
67.5°	4398.2	4305.7	3576.0	1675.7	477.1	168.4	62.7	46.2	41.3	33.0	24.8
70°	3860.0	3660.2	3037.8	1360.4	421.0	156.8	52.8	41.3	34.7	26.4	18.2
72.5°	2808.3	2727.4	2179.3	1051.7	378.1	142.0	49.5	34.7	29.7	19.8	14.9
75°	1890.4	1756.6	1375.3	690.1	303.8	123.8	41.3	31.4	23.1	14.9	11.6
77.5°	998.8	944.4	779.3	328.5	168.4	57.8	23.1	18.2	13.2	11.6	6.6
80°	432.6	384.7	336.8	133.7	59.4	26.4	14.9	9.9	8.3	6.6	3.3
82.5°	221.2	211.3	175.0	57.8	34.7	19.8	8.3	6.6	5.0	3.3	1.7
85°	109.0	112.3	92.5	18.2	19.8	11.6	1.7	1.7	0.0	0.0	0.0
87.5°	8.3	8.3	6.6	3.3	5.0	1.7	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

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1
2.5°	2048.9	2072.0	2032.3	2057.1	2045.6	2050.5	2055.5	2042.3	2045.6	2091.8	2093.4
5°	1641.1	1685.6	1669.1	1692.2	1731.9	1712.1	1730.2	1726.9	1730.2	1736.8	1766.5
7.5°	1170.5	1157.3	1188.7	1249.8	1320.8	1363.7	1342.2	1330.7	1324.1	1307.6	1327.4
10°	883.3	876.7	868.4	886.6	932.8	980.7	1007.1	962.5	937.8	906.4	894.8
12.5°	733.0	691.8	668.6	640.6	653.8	696.7	698.4	655.4	615.8	599.3	617.5
15°	577.8	549.8	508.5	468.9	449.1	482.1	454.0	412.7	361.6	355.0	353.3
17.5°	412.7	396.2	366.5	350.0	326.9	318.6	288.9	226.2	189.9	180.0	183.3
20°	280.7	267.5	265.8	250.9	241.0	234.4	186.6	145.3	133.7	135.4	137.0
22.5°	208.0	201.4	193.2	191.5	183.3	175.0	137.0	122.2	113.9	113.9	118.9
25°	170.1	166.7	158.5	155.2	151.9	140.3	115.6	104.0	100.7	97.4	102.4
27.5°	145.3	143.6	138.7	133.7	130.4	118.9	100.7	90.8	87.5	87.5	87.5
30°	130.4	130.4	123.8	113.9	113.9	100.7	85.9	79.2	75.9	75.9	74.3
32.5°	122.2	118.9	110.6	104.0	99.1	85.9	75.9	69.3	64.4	64.4	66.0
35°	99.1	99.1	97.4	92.5	85.9	72.6	64.4	57.8	54.5	52.8	54.5
37.5°	87.5	82.5	75.9	77.6	74.3	62.7	54.5	49.5	44.6	44.6	44.6
40°	79.2	74.3	67.7	62.7	61.1	56.1	47.9	39.6	34.7	33.0	33.0
42.5°	71.0	67.7	57.8	49.5	47.9	47.9	36.3	29.7	24.8	24.8	24.8
45°	66.0	61.1	52.8	42.9	34.7	36.3	29.7	21.5	18.2	16.5	16.5
47.5°	62.7	57.8	46.2	36.3	26.4	26.4	21.5	14.9	11.6	9.9	9.9
50°	57.8	52.8	41.3	29.7	19.8	16.5	13.2	8.3	5.0	3.3	3.3
52.5°	54.5	49.5	36.3	24.8	16.5	11.6	8.3	1.7	0.0	0.0	0.0
55°	49.5	42.9	31.4	19.8	13.2	6.6	1.7	0.0	0.0	0.0	0.0
57.5°	42.9	38.0	24.8	14.9	8.3	1.7	0.0	0.0	0.0	0.0	0.0
60°	36.3	31.4	19.8	11.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	29.7	26.4	14.9	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	24.8	19.8	11.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	21.5	16.5	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	16.5	11.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	11.6	8.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	8.3	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	5.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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

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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1
2.5°	2100.0	2149.6	2195.8	2209.0	2245.3	2346.0	2346.0	2393.9	2479.8	2511.1	2517.7
5°	1771.5	1824.3	1834.2	1936.6	1984.5	2086.8	2154.5	2316.3	2413.7	2474.8	2512.8
7.5°	1347.2	1365.4	1403.3	1499.1	1593.2	1717.0	1845.8	2052.2	2223.9	2293.2	2422.0
10°	926.2	980.7	1063.2	1149.1	1296.0	1433.0	1599.8	1794.6	2005.9	2091.8	2202.4
12.5°	624.1	700.0	832.1	954.3	1089.6	1228.3	1386.8	1647.7	1887.1	2005.9	2116.5
15°	364.9	457.3	571.2	769.4	949.3	1104.5	1263.0	1527.1	1817.7	1971.3	2106.6
17.5°	184.9	213.0	307.1	478.8	716.5	970.8	1206.9	1543.7	1870.6	2058.8	2171.0
20°	138.7	146.9	173.4	254.2	490.3	802.4	1154.0	1568.4	2017.5	2247.0	2308.1
22.5°	120.5	127.1	138.7	165.1	275.7	614.2	1079.7	1629.5	2217.3	2433.5	2562.3
25°	102.4	109.0	118.9	135.4	176.7	417.7	988.9	1693.9	2395.6	2668.0	2788.5
27.5°	89.2	94.1	104.0	117.2	143.6	265.8	832.1	1779.7	2668.0	2951.9	2983.3
30°	75.9	80.9	89.2	104.0	122.2	188.2	610.9	1791.3	2818.2	3075.8	3163.3
32.5°	66.0	67.7	77.6	90.8	102.4	148.6	429.3	1802.9	2928.8	3235.9	3254.1
35°	54.5	57.8	67.7	75.9	89.2	117.2	325.2	1745.1	3072.5	3401.0	3396.0
37.5°	44.6	49.5	56.1	62.7	72.6	99.1	259.2	1637.8	3252.4	3656.9	3501.7
40°	34.7	39.6	46.2	54.5	61.1	89.2	194.8	1476.0	3440.6	3782.4	3617.3
42.5°	24.8	28.1	34.7	42.9	54.5	74.3	140.3	1284.5	3514.9	3929.3	3756.0
45°	18.2	21.5	26.4	36.3	56.1	59.4	97.4	1109.5	3594.2	3993.7	3724.6
47.5°	9.9	13.2	19.8	31.4	49.5	44.6	69.3	952.6	3685.0	4051.5	3749.4
50°	3.3	5.0	11.6	33.0	39.6	34.7	54.5	868.4	3774.1	4063.0	3798.9
52.5°	0.0	0.0	6.6	34.7	29.7	26.4	47.9	835.4	3751.0	4099.4	3767.5
55°	0.0	0.0	1.7	14.9	16.5	19.8	39.6	833.7	3914.5	4110.9	3939.2
57.5°	0.0	0.0	0.0	5.0	9.9	16.5	34.7	780.9	4018.5	4398.2	4170.4
60°	0.0	0.0	0.0	1.7	6.6	11.6	26.4	734.7	4124.1	4527.0	4418.0
62.5°	0.0	0.0	0.0	0.0	1.7	5.0	18.2	663.7	3911.2	4517.1	4657.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	11.6	525.0	3518.2	4281.0	4525.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.6	363.2	3080.7	3983.8	4282.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	219.6	2486.4	3493.5	3632.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.1	1774.8	2773.6	2980.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.0	1097.9	2027.4	2281.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	711.6	1535.4	1731.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	379.7	962.5	1119.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165.1	584.4	673.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.8	355.0	404.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.5	72.6
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: P599167  
 CATALOG NUMBER: IFLD-S-SA2A-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1	2341.1
2.5°	2521.0	2568.9	2587.1	2559.0	2562.3	2504.5	2496.3	2415.4	2382.4	2389.0
5°	2636.6	2705.9	2743.9	2712.5	2641.6	2530.9	2430.2	2334.5	2275.0	2245.3
7.5°	2610.2	2687.8	2735.7	2765.4	2684.5	2506.2	2352.6	2172.7	2096.7	2098.4
10°	2464.9	2626.7	2724.1	2686.1	2648.2	2469.9	2232.1	2037.3	1969.6	1976.2
12.5°	2347.7	2527.6	2585.4	2615.1	2537.5	2395.6	2235.4	2012.5	1936.6	1890.4
15°	2275.0	2408.8	2412.1	2458.3	2426.9	2426.9	2270.1	2052.2	1986.1	1934.9
17.5°	2275.0	2304.8	2301.5	2318.0	2370.8	2433.5	2357.6	2212.3	2081.9	2073.6
20°	2326.2	2233.8	2212.3	2218.9	2263.5	2450.0	2550.8	2369.1	2286.6	2260.2
22.5°	2445.1	2242.0	2111.6	2088.5	2225.5	2448.4	2674.6	2616.8	2473.2	2451.7
25°	2608.5	2227.2	2085.2	2055.5	2159.5	2507.8	2844.6	2856.2	2725.8	2681.2
27.5°	2763.7	2293.2	2081.9	2075.3	2212.3	2494.6	2961.8	3047.7	2900.8	2864.4
30°	2816.6	2359.2	2143.0	2055.5	2232.1	2542.5	2958.5	3183.1	3087.3	3095.6
32.5°	2879.3	2425.3	2149.6	2114.9	2316.3	2620.1	3052.6	3401.0	3331.7	3234.3
35°	2971.7	2514.4	2212.3	2180.9	2375.7	2689.4	3072.5	3561.1	3549.6	3435.7
37.5°	3051.0	2601.9	2342.7	2347.7	2557.4	2801.7	3160.0	3757.6	3737.8	3660.2
40°	3107.1	2724.1	2545.8	2559.0	2715.8	2927.2	3315.2	3856.7	4003.6	3889.7
42.5°	3115.4	2833.1	2778.6	2884.2	3031.2	3122.0	3377.9	3924.4	4135.7	4061.4
45°	3146.8	3006.4	3158.3	3235.9	3356.4	3293.7	3374.6	4039.9	4145.6	4107.6
47.5°	3268.9	3321.8	3513.3	3749.4	3792.3	3585.9	3453.8	4058.1	4201.7	4196.8
50°	3396.0	3660.2	3929.3	4086.2	4140.6	3787.3	3528.1	4043.2	4276.0	4236.4
52.5°	3538.0	3954.1	4342.1	4535.2	4505.5	4010.2	3612.3	4163.8	4413.0	4399.8
55°	3627.2	4086.2	4607.9	4877.0	4853.9	4259.5	3879.8	4337.1	4593.0	4560.0
57.5°	3863.3	4300.8	4872.0	4997.5	5058.6	4586.4	4066.3	4621.1	4743.2	4779.6
60°	4058.1	4441.1	4941.4	5123.0	5144.4	4781.2	4393.2	4913.3	4934.8	4812.6
62.5°	4343.7	4495.6	4794.4	4957.9	5068.5	4891.8	4687.1	5070.1	4931.5	4923.2
65°	4553.4	4317.3	4520.4	4611.2	4682.2	4723.4	4982.6	5177.4	4870.4	4710.2
67.5°	4436.2	3980.5	3942.5	3947.5	3968.9	4218.2	4883.6	4914.9	4530.3	4398.2
70°	3904.5	3265.6	3214.4	3254.1	3146.8	3447.2	4482.4	4467.5	3997.0	3860.0
72.5°	3158.3	2380.7	2293.2	2347.7	2372.4	2691.1	3770.8	3387.8	2915.6	2808.3
75°	2509.5	1745.1	1472.7	1604.7	1688.9	1959.7	2945.3	2301.5	2035.6	1890.4
77.5°	1971.3	1320.8	1145.8	1092.9	1170.5	1424.8	2143.0	1208.5	1066.5	998.8
80°	1249.8	970.8	1053.3	977.4	1010.4	1017.0	1116.1	549.8	437.5	432.6
82.5°	752.8	663.7	789.2	434.2	790.8	706.6	463.9	249.3	221.2	221.2
85°	533.3	411.1	272.4	176.7	351.7	388.0	180.0	128.8	112.3	109.0
87.5°	267.5	127.1	61.1	39.6	44.6	72.6	21.5	9.9	9.9	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)