

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: P598833

Luminaire Tested: **IFLD-S-SA6E-830-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598833  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6E-830-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (96) 3000K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

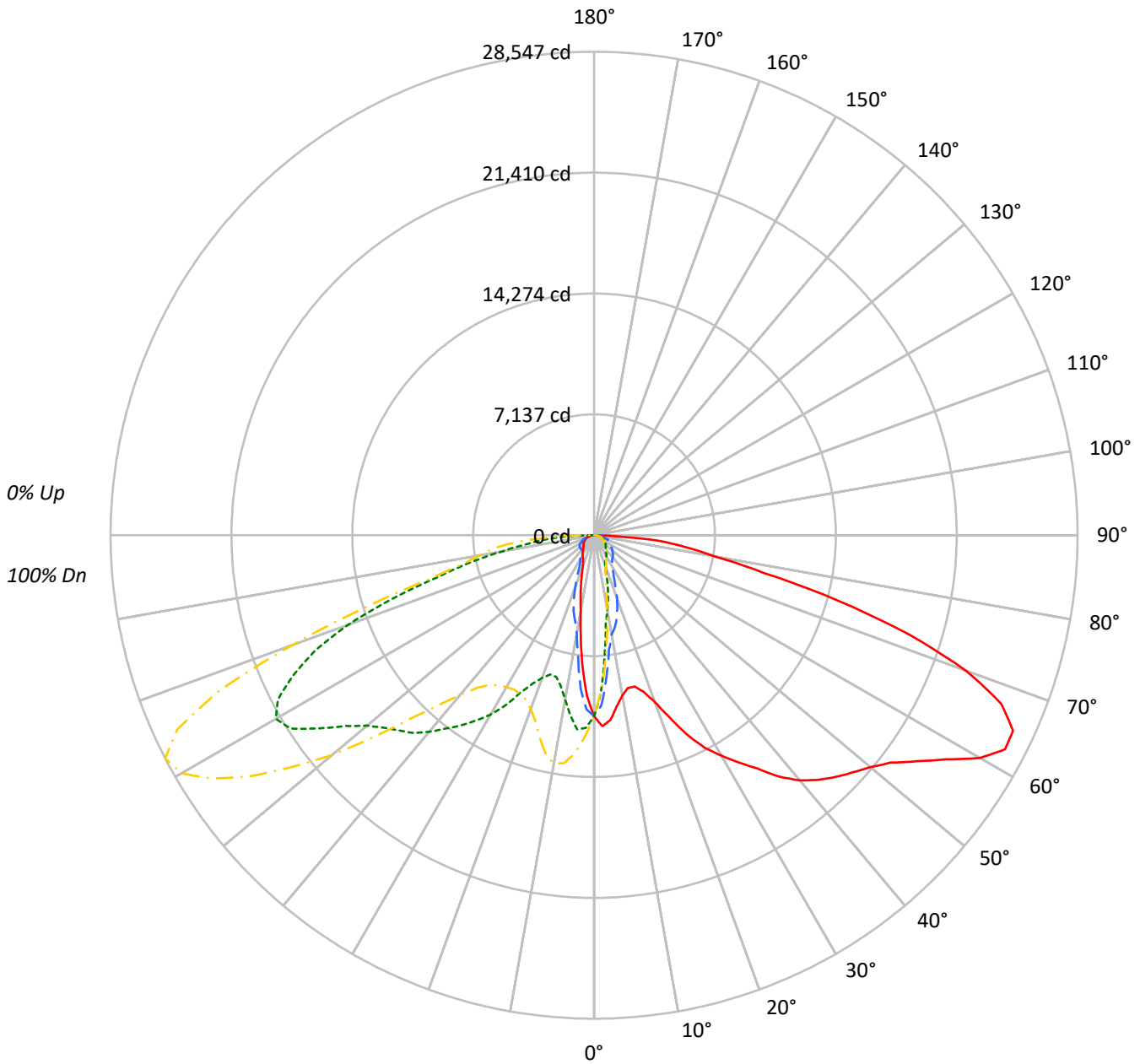
Lumens per Lamp: N/A  
 Luminaire Lumens: 35762.3 lumens  
 Efficiency: N/A  
 Efficacy: 77.0 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 464.2  
 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	85	82	79	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	70	65	61	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	59	53	48	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	51	44	39	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	45	38	32	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	40	33	27	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	36	29	23	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	32	26	20	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	30	23	18	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	28	21	16	14

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

	0°	90°	180°	270°
0°	76659	76659	76659	76659
5°	78893	51302	56044	82880
10°	69993	32598	32925	71628
15°	68693	23120	21897	64247
20°	79865	14625	14739	68440
25°	102709	12558	12202	80912
30°	124472	11901	11158	101288
35°	147323	10486	10093	120060
40°	177018	9951	9250	141838
45°	204831	9869	8959	165353
50°	237853	10022	9019	195260
55°	291077	10295	9172	248773
60°	377499	10308	9663	311147
65°	463387	10415	9908	333059
70°	490340	10988	10358	324277
75°	412758	11614	10369	264661
80°	299876	13604	10513	228769
85°	317828	19711	8620	237758

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	826.8	2.3
10°-20°	1730.3	4.8
20°-30°	2493.5	7.0
30°-40°	3589.7	10.0
40°-50°	5098.9	14.3
50°-60°	7330.8	20.5
60°-70°	8469.5	23.7
70°-80°	4795.6	13.4
80°-90°	1427.2	4.0
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°	5050.6	14.1
0°-40°	8640.3	24.2
0°-60°	21070.0	58.9
0°-90°	35762.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35762.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	10683	10683	10683	10683	10683	
5°	10952	7122	7780	11506	10952	994
15°	9246	3112	2948	8648	9246	2719
25°	12972	1586	1541	10219	12972	6021
35°	16817	1197	1152	13705	16817	10673
45°	20184	972	883	16294	20184	15629
55°	23266	823	733	19884	23266	21071
65°	27291	613	584	19615	27291	26170
75°	14887	419	374	9546	14887	15796
85°	3860	239	105	2888	3860	3844
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°	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8
2.5°	11281.3	11266.4	11176.6	10892.3	10593.1	10308.8	10039.5	9755.2	9605.6	9426.0	9351.2
5°	10952.2	10922.2	10667.9	10039.5	9485.9	8887.4	8378.7	7974.7	7645.6	7316.4	7196.7
7.5°	10204.1	10159.2	9859.9	8992.1	8184.2	7406.2	6792.7	6269.1	5835.2	5640.7	5416.2
10°	9605.6	9530.8	9141.8	8184.2	7136.9	6358.8	5954.9	5595.8	5221.7	4907.5	4578.4
12.5°	9231.5	9141.8	8737.8	7615.6	6598.2	6014.7	5595.8	5191.8	4728.0	4339.0	3979.9
15°	9246.5	9141.8	8648.0	7466.0	6463.6	5715.5	5132.0	4578.4	4039.7	3605.8	3201.9
17.5°	9680.4	9545.7	9022.1	7675.5	6358.8	5326.5	4548.4	3830.3	3216.8	2753.0	2423.8
20°	10458.4	10368.6	9770.2	7989.7	6254.1	4907.5	3950.0	3082.2	2438.8	2079.7	1945.1
22.5°	11625.5	11520.7	10877.4	8468.5	6224.2	4533.5	3306.6	2423.8	1960.0	1810.4	1735.6
25°	12972.0	12777.5	12179.0	9276.4	6284.0	4189.4	2782.9	2004.9	1750.6	1645.8	1600.9
27.5°	14139.1	14019.4	13346.1	10039.5	6314.0	3920.0	2423.8	1825.4	1630.9	1541.1	1511.2
30°	15021.8	14976.9	14318.6	10877.4	6239.1	3590.9	2199.4	1750.6	1630.9	1541.1	1451.3
32.5°	15904.6	15919.5	15216.3	11520.7	6134.4	3306.6	1989.9	1556.0	1436.3	1376.5	1391.5
35°	16817.3	16892.1	16293.6	12149.1	5910.0	3201.9	1840.3	1451.3	1346.6	1256.8	1211.9
37.5°	17969.3	18163.8	17580.3	12852.3	5685.5	3112.1	1765.5	1376.5	1271.8	1197.0	1137.1
40°	18897.0	19256.1	18911.9	13510.7	5535.9	3007.4	1705.7	1301.7	1226.9	1137.1	1092.2
42.5°	19585.2	20004.2	19884.5	14019.4	5535.9	2902.6	1645.8	1256.8	1197.0	1092.2	1032.4
45°	20183.7	20617.6	20602.6	14543.0	5655.6	2842.8	1571.0	1256.8	1167.0	1062.3	1002.5
47.5°	20722.3	21156.2	21305.8	15201.4	5850.1	2812.9	1481.2	1226.9	1167.0	1047.3	957.6
50°	21305.8	21784.6	22233.5	16248.7	6089.5	2738.0	1421.4	1182.0	1182.0	1032.4	927.6
52.5°	22053.9	22592.6	23415.5	17550.4	6328.9	2603.4	1331.6	1152.1	1182.0	1017.4	897.7
55°	23265.9	23714.7	24792.0	19106.4	6628.2	2438.8	1256.8	1077.3	1122.1	972.5	852.8
57.5°	24627.4	25016.4	25914.1	20303.4	6717.9	2229.3	1152.1	1002.5	1077.3	927.6	793.0
60°	26303.1	26497.6	26497.6	20647.5	6418.7	2034.8	1077.3	942.6	972.5	882.8	748.1
62.5°	27365.4	27365.4	26497.6	20019.1	5850.1	1870.2	1017.4	882.8	852.8	822.9	703.2
65°	27290.6	27170.9	25884.2	18193.8	5191.8	1765.5	957.6	807.9	763.1	748.1	658.3
67.5°	26033.8	25824.4	24073.8	15620.3	4503.6	1720.6	897.7	733.1	703.2	673.3	598.5
70°	23370.6	22832.0	20677.4	12568.1	3830.3	1690.7	882.8	673.3	643.4	613.4	553.6
72.5°	19510.4	18822.2	16144.0	9665.4	3216.8	1586.0	837.9	598.5	583.5	553.6	493.7
75°	14887.2	13615.4	11266.4	7391.2	2498.6	1376.5	718.2	523.7	523.7	508.7	448.9
77.5°	10263.9	9605.6	7855.0	5461.1	1825.4	1062.3	583.5	463.8	463.8	478.8	418.9
80°	7256.6	6643.1	5595.8	3920.0	1152.1	718.2	448.9	389.0	433.9	463.8	389.0
82.5°	5550.9	5102.0	4159.4	2857.7	673.3	493.7	344.1	314.2	374.0	404.0	329.2
85°	3860.2	3321.6	2109.6	1915.1	389.0	299.2	254.4	254.4	329.2	404.0	299.2
87.5°	1092.2	463.8	134.7	568.6	164.6	119.7	89.8	59.8	89.8	89.8	59.8
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°	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8
2.5°	9276.4	9186.6	9186.6	9156.7	9171.7	9186.6	9171.7	9276.4	9321.3	9381.2	9500.9
5°	7121.9	7241.6	7151.8	7241.6	7361.3	7540.8	7585.7	7720.4	7735.3	7840.1	7780.2
7.5°	5281.6	5266.6	5191.8	5296.5	5625.7	5880.1	5999.7	6074.6	6089.5	6089.5	6014.7
10°	4473.6	4339.0	4204.3	4129.5	4159.4	4428.7	4518.5	4563.4	4533.5	4578.4	4518.5
12.5°	3830.3	3710.6	3516.1	3381.4	3291.6	3366.4	3456.2	3501.1	3531.0	3605.8	3665.7
15°	3112.1	2992.4	2872.7	2797.9	2723.1	2663.2	2738.0	2782.9	2857.7	2917.6	2947.5
17.5°	2364.0	2304.1	2244.3	2289.2	2289.2	2259.3	2289.2	2304.1	2334.1	2379.0	2364.0
20°	1915.1	1900.2	1885.2	1960.0	2019.9	2019.9	2049.8	2004.9	1989.9	1945.1	1930.1
22.5°	1705.7	1705.7	1720.6	1780.5	1840.3	1870.2	1870.2	1795.4	1720.6	1690.7	1705.7
25°	1586.0	1586.0	1630.9	1645.8	1675.7	1675.7	1690.7	1615.9	1571.0	1526.1	1541.1
27.5°	1496.2	1496.2	1511.2	1511.2	1526.1	1526.1	1541.1	1511.2	1451.3	1436.3	1436.3
30°	1436.3	1436.3	1421.4	1421.4	1421.4	1421.4	1436.3	1391.5	1361.5	1346.6	1346.6
32.5°	1376.5	1361.5	1346.6	1346.6	1331.6	1331.6	1346.6	1301.7	1286.7	1286.7	1286.7
35°	1197.0	1182.0	1197.0	1226.9	1226.9	1241.8	1241.8	1226.9	1197.0	1167.0	1152.1
37.5°	1122.1	1107.2	1107.2	1107.2	1137.1	1152.1	1167.0	1137.1	1092.2	1047.3	1047.3
40°	1062.3	1062.3	1047.3	1047.3	1047.3	1077.3	1107.2	1062.3	1002.5	987.5	987.5
42.5°	1017.4	1002.5	987.5	972.5	957.6	1002.5	1032.4	972.5	942.6	942.6	942.6
45°	972.5	957.6	942.6	927.6	912.7	927.6	957.6	897.7	882.8	882.8	882.8
47.5°	927.6	912.7	882.8	867.8	852.8	852.8	882.8	837.9	822.9	837.9	837.9
50°	897.7	867.8	837.9	822.9	807.9	807.9	807.9	793.0	793.0	793.0	807.9
52.5°	867.8	837.9	793.0	778.0	763.1	763.1	763.1	763.1	748.1	763.1	778.0
55°	822.9	793.0	763.1	748.1	733.1	718.2	733.1	718.2	718.2	733.1	733.1
57.5°	763.1	733.1	703.2	703.2	688.3	688.3	703.2	688.3	688.3	703.2	703.2
60°	718.2	688.3	658.3	658.3	643.4	658.3	673.3	658.3	658.3	658.3	673.3
62.5°	658.3	643.4	613.4	613.4	613.4	613.4	628.4	613.4	628.4	628.4	628.4
65°	613.4	583.5	568.6	568.6	568.6	568.6	598.5	568.6	583.5	583.5	583.5
67.5°	568.6	538.6	523.7	523.7	523.7	523.7	553.6	523.7	538.6	553.6	538.6
70°	523.7	493.7	478.8	478.8	478.8	478.8	493.7	478.8	478.8	493.7	493.7
72.5°	463.8	448.9	433.9	433.9	418.9	433.9	448.9	433.9	433.9	433.9	433.9
75°	418.9	404.0	404.0	389.0	389.0	389.0	404.0	374.0	374.0	374.0	374.0
77.5°	389.0	359.1	359.1	359.1	344.1	359.1	344.1	314.2	314.2	314.2	314.2
80°	329.2	299.2	314.2	314.2	299.2	299.2	284.3	254.4	254.4	254.4	254.4
82.5°	269.3	239.4	254.4	254.4	254.4	254.4	224.4	209.5	194.5	179.5	179.5
85°	239.4	194.5	224.4	224.4	209.5	209.5	149.6	149.6	119.7	119.7	104.7
87.5°	44.9	29.9	59.8	74.8	74.8	89.8	59.8	74.8	44.9	29.9	29.9
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°	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8
2.5°	9485.9	9650.5	9874.9	10039.5	10293.8	10488.3	10787.6	11041.9	11281.3	11386.1	11490.8
5°	7959.8	8064.5	8408.6	8677.9	9081.9	9515.8	10054.4	10638.0	11236.4	11505.8	11820.0
7.5°	5954.9	6149.4	6343.9	6732.9	7226.6	7929.8	8618.1	9485.9	10323.8	10727.7	11266.4
10°	4623.2	4772.9	4997.3	5401.3	5865.1	6448.6	7271.5	8303.9	9306.3	9830.0	10383.6
12.5°	3710.6	3920.0	4219.3	4638.2	5176.8	5775.3	6373.8	7331.4	8498.4	9096.9	9725.3
15°	3007.4	3171.9	3501.1	4024.8	4653.2	5266.6	5895.0	6688.0	7959.8	8648.0	9396.1
17.5°	2393.9	2513.6	2812.9	3336.5	3964.9	4653.2	5371.3	6373.8	7780.2	8618.1	9500.9
20°	1945.1	2034.8	2229.3	2618.3	3216.8	3964.9	4862.6	6074.6	7885.0	8962.2	10039.5
22.5°	1705.7	1735.6	1825.4	2034.8	2528.6	3321.6	4398.8	5820.2	8079.5	9470.9	10922.2
25°	1541.1	1571.0	1600.9	1735.6	2019.9	2768.0	3994.8	5670.6	8498.4	10219.0	11939.7
27.5°	1436.3	1466.3	1481.2	1541.1	1735.6	2364.0	3650.7	5580.8	9067.0	11311.2	13196.5
30°	1346.6	1346.6	1391.5	1481.2	1615.9	2079.7	3351.5	5371.3	9665.4	12223.9	14183.9
32.5°	1271.8	1286.7	1346.6	1391.5	1481.2	1840.3	3052.2	5102.0	10204.1	12972.0	15156.5
35°	1137.1	1137.1	1152.1	1226.9	1346.6	1645.8	2782.9	4832.7	10503.3	13705.2	16024.3
37.5°	1047.3	1062.3	1092.2	1152.1	1256.8	1511.2	2558.5	4533.5	10817.5	14393.4	17041.7
40°	987.5	1002.5	1032.4	1092.2	1197.0	1391.5	2364.0	4294.1	11146.7	15141.5	18133.9
42.5°	942.6	957.6	987.5	1047.3	1137.1	1361.5	2154.5	4099.6	11341.2	15829.8	19166.3
45°	897.7	912.7	957.6	1017.4	1092.2	1331.6	2034.8	3964.9	11416.0	16293.6	19989.2
47.5°	852.8	867.8	912.7	1002.5	1092.2	1286.7	1989.9	3890.1	11475.8	16817.3	20647.5
50°	807.9	837.9	897.7	987.5	1107.2	1226.9	1960.0	3875.2	11820.0	17490.5	21275.9
52.5°	778.0	822.9	882.8	987.5	1092.2	1137.1	1945.1	3920.0	12508.2	18493.0	22173.6
55°	748.1	793.0	852.8	987.5	1047.3	1062.3	1870.2	3994.8	13555.5	19884.5	23445.4
57.5°	718.2	748.1	822.9	957.6	987.5	1002.5	1720.6	4099.6	14602.9	21246.0	24747.1
60°	673.3	703.2	778.0	957.6	897.7	942.6	1526.1	4129.5	15351.0	21679.9	24866.8
62.5°	628.4	658.3	733.1	987.5	822.9	882.8	1361.5	4024.8	15500.6	21051.5	24193.5
65°	583.5	613.4	673.3	822.9	763.1	822.9	1256.8	3740.5	15006.9	19615.1	22966.6
67.5°	538.6	568.6	613.4	673.3	688.3	748.1	1211.9	3291.6	13765.0	17834.7	21290.9
70°	478.8	508.7	553.6	598.5	613.4	703.2	1137.1	2857.7	11760.1	15455.7	19241.1
72.5°	433.9	448.9	493.7	523.7	553.6	643.4	1092.2	2498.6	8992.1	12508.2	15695.1
75°	374.0	374.0	418.9	448.9	478.8	568.6	1002.5	2079.7	6343.9	9545.7	11535.7
77.5°	314.2	314.2	344.1	374.0	404.0	493.7	852.8	1690.7	4398.8	7570.8	8363.7
80°	239.4	239.4	269.3	299.2	329.2	418.9	688.3	1241.8	2723.1	5535.9	6089.5
82.5°	164.6	164.6	209.5	224.4	239.4	329.2	523.7	852.8	1600.9	3994.8	4353.9
85°	89.8	89.8	119.7	134.7	164.6	239.4	389.0	598.5	957.6	2887.7	2902.6
87.5°	15.0	15.0	44.9	44.9	74.8	119.7	224.4	329.2	538.6	1600.9	1017.4
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: P598833  
 CATALOG NUMBER: IFLD-S-SA6E-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8	10682.8
2.5°	11685.3	11849.9	11864.8	11864.8	11790.0	11805.0	11595.5	11371.1	11296.3	11281.3
5°	12298.7	12732.6	12852.3	12912.2	12717.7	12418.4	11879.8	11296.3	10997.0	10952.2
7.5°	12179.0	13046.8	13510.7	13570.5	13181.5	12478.3	11535.7	10638.0	10293.8	10204.1
10°	11475.8	12642.9	13480.7	13690.2	13271.3	12373.5	11146.7	10099.3	9680.4	9605.6
12.5°	10982.1	12104.2	12927.1	13211.4	13016.9	12238.9	10952.2	9755.2	9336.3	9231.5
15°	10712.8	11745.1	12283.8	12373.5	12358.6	12029.4	10952.2	9830.0	9366.2	9246.5
17.5°	10937.2	11640.4	11715.2	11505.8	11625.5	11790.0	11191.6	10234.0	9785.1	9680.4
20°	11386.1	11595.5	11236.4	10922.2	10982.1	11505.8	11565.6	10997.0	10638.0	10458.4
22.5°	12328.7	11760.1	10937.2	10503.3	10548.2	11281.3	12059.3	12029.4	11715.2	11625.5
25°	13286.2	12223.9	10847.4	10338.7	10398.6	11236.4	12642.9	13181.5	13016.9	12972.0
27.5°	14348.5	13002.0	10907.3	10263.9	10338.7	11296.3	13046.8	14154.0	14183.9	14139.1
30°	15066.7	13376.0	11086.8	10353.7	10458.4	11445.9	13136.6	14737.5	15006.9	15021.8
32.5°	15665.2	13750.0	11460.9	10503.3	10682.8	11715.2	13376.0	15291.1	15889.6	15904.6
35°	16144.0	14169.0	11924.7	10772.6	11041.9	12164.1	13690.2	15814.8	16712.5	16817.3
37.5°	16757.4	14632.8	12463.3	11356.1	11655.4	12807.4	14243.8	16428.2	17685.0	17969.3
40°	17415.7	15096.6	13241.3	12298.7	12732.6	13765.0	14872.2	17116.5	18508.0	18897.0
42.5°	18148.9	15590.4	14124.1	13570.5	14228.8	14976.9	15590.4	17744.9	19136.4	19585.2
45°	18867.0	16188.9	15410.8	15306.1	16039.2	16413.3	16293.6	18193.8	19734.8	20183.7
47.5°	19375.8	17056.6	16966.9	17595.3	18283.5	18089.0	17116.5	18522.9	20228.6	20722.3
50°	19839.6	18133.9	18926.9	20153.8	20572.7	19914.4	17999.2	18971.8	20752.3	21305.8
52.5°	20527.8	19286.0	20946.8	22472.9	22876.9	21829.5	18956.8	19704.9	21560.2	22053.9
55°	21934.2	20587.7	23056.4	24806.9	24881.8	23580.1	20243.5	20946.8	22697.3	23265.9
57.5°	23505.3	22188.6	24732.1	26737.0	26707.1	25330.6	21694.9	22622.5	24238.4	24627.4
60°	24926.6	23804.5	26557.5	28113.5	28038.7	26602.4	23385.6	24522.7	26003.9	26303.1
62.5°	25764.5	25270.8	27365.4	28547.4	28263.2	27021.3	24821.9	26213.4	27260.7	27365.4
65°	25629.9	26108.6	26422.8	27156.0	26752.0	25854.3	25525.1	27290.6	27395.4	27290.6
67.5°	24612.4	25629.9	23834.4	23909.2	23699.8	22936.7	24432.9	27006.4	26288.2	26033.8
70°	23071.4	23146.2	19929.3	18986.7	19315.9	18268.6	20961.7	24792.0	23684.8	23370.6
72.5°	20512.9	19585.2	15066.7	14109.1	14602.9	13854.8	16817.3	21605.1	20527.8	19510.4
75°	17206.3	15515.6	11475.8	10114.3	10368.6	10338.7	13031.9	17849.6	15904.6	14887.2
77.5°	13331.1	12089.3	8468.5	7944.8	7675.5	7735.3	9096.9	13271.3	11535.7	10263.9
80°	9740.2	8453.5	6553.3	6852.6	6703.0	6343.9	6373.8	8887.4	8019.6	7256.6
82.5°	6732.9	6014.7	5311.5	5999.7	5640.7	5087.1	4967.4	6403.7	6014.7	5550.9
85°	4518.5	4952.4	4219.3	4593.3	3979.9	3665.7	4668.1	5356.4	4324.0	3860.2
87.5°	2947.5	4533.5	3037.3	2304.1	1316.7	1765.5	2857.7	3516.1	2019.9	1092.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)