

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: P598804

Luminaire Tested: **IFLD-S-SA6E-827-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598804  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6E-827-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (96) 2700K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

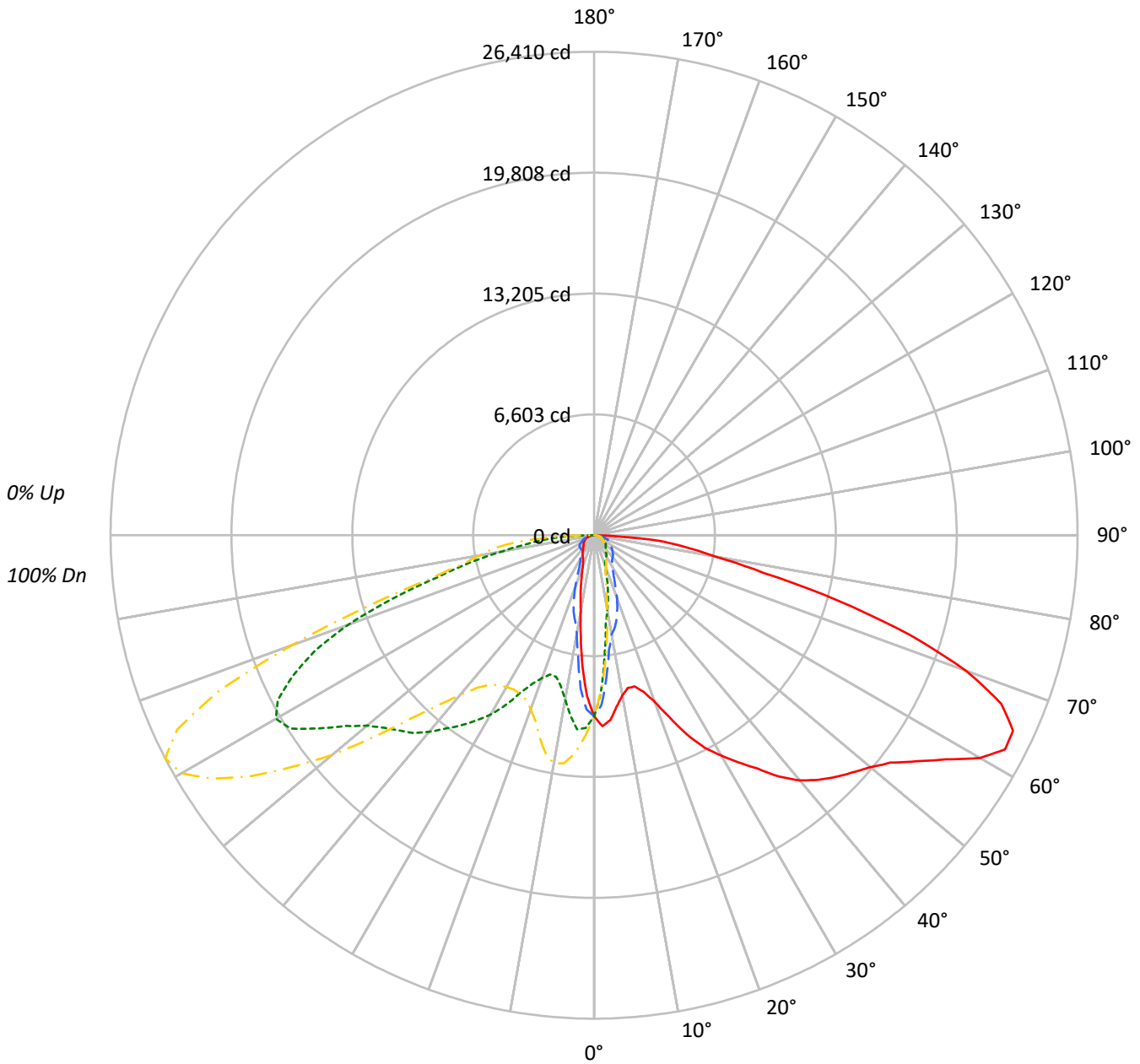
Lumens per Lamp: N/A  
 Luminaire Lumens: 33084.4 lumens  
 Efficiency: N/A  
 Efficacy: 71.3 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

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°	70919	70919	70919	70919
5°	72985	47460	51847	76674
10°	64751	30157	30460	66264
15°	63549	21389	20258	59436
20°	73885	13530	13636	63315
25°	95019	11617	11288	74853
30°	115151	11011	10322	93704
35°	136291	9700	9337	111070
40°	163763	9206	8557	131218
45°	189492	9130	8288	152971
50°	220044	9272	8344	180639
55°	269280	9525	8485	230144
60°	349233	9535	8940	287849
65°	428689	9636	9166	308121
70°	453623	10165	9584	299996
75°	381850	10746	9593	244843
80°	277420	12583	9724	211640
85°	294026	18237	7978	219949

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	764.9	2.3
10°-20°	1600.7	4.8
20°-30°	2306.8	7.0
30°-40°	3320.9	10.0
40°-50°	4717.1	14.3
50°-60°	6781.9	20.5
60°-70°	7835.3	23.7
70°-80°	4436.5	13.4
80°-90°	1320.3	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°	4672.4	14.1
0°-40°	7993.3	24.2
0°-60°	19492.3	58.9
0°-90°	33084.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33084.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9883	9883	9883	9883	9883	
5°	10132	6589	7198	10644	10132	919
15°	8554	2879	2727	8000	8554	2515
25°	12001	1467	1426	9454	12001	5570
35°	15558	1107	1066	12679	15558	9874
45°	18672	900	817	15074	18672	14458
55°	21524	761	678	18396	21524	19493
65°	25247	568	540	18146	25247	24210
75°	13772	388	346	8831	13772	14613
85°	3571	222	97	2671	3571	3556
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°	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9
2.5°	10436.6	10422.7	10339.7	10076.7	9799.9	9536.9	9287.7	9024.7	8886.3	8720.2	8651.0
5°	10132.1	10104.4	9869.1	9287.7	8775.6	8221.9	7751.3	7377.6	7073.1	6768.5	6657.8
7.5°	9440.0	9398.5	9121.6	8318.8	7571.4	6851.6	6284.1	5799.6	5398.2	5218.3	5010.7
10°	8886.3	8817.1	8457.2	7571.4	6602.4	5882.7	5509.0	5176.8	4830.7	4540.0	4235.5
12.5°	8540.3	8457.2	8083.5	7045.4	6104.2	5564.3	5176.8	4803.0	4373.9	4014.1	3681.9
15°	8554.1	8457.2	8000.5	6907.0	5979.6	5287.5	4747.7	4235.5	3737.2	3335.8	2962.1
17.5°	8955.5	8830.9	8346.5	7100.7	5882.7	4927.6	4207.8	3543.5	2975.9	2546.9	2242.3
20°	9675.3	9592.2	9038.6	7391.4	5785.8	4540.0	3654.2	2851.4	2256.2	1924.0	1799.4
22.5°	10754.9	10658.0	10062.9	7834.4	5758.1	4194.0	3059.0	2242.3	1813.3	1674.8	1605.6
25°	12000.7	11820.7	11267.1	8581.8	5813.5	3875.7	2574.5	1854.8	1619.5	1522.6	1481.1
27.5°	13080.3	12969.6	12346.7	9287.7	5841.2	3626.5	2242.3	1688.7	1508.7	1425.7	1398.0
30°	13897.0	13855.5	13246.4	10062.9	5772.0	3322.0	2034.7	1619.5	1508.7	1425.7	1342.6
32.5°	14713.6	14727.5	14076.9	10658.0	5675.1	3059.0	1840.9	1439.5	1328.8	1273.4	1287.3
35°	15558.0	15627.2	15073.5	11239.4	5467.4	2962.1	1702.5	1342.6	1245.7	1162.7	1121.2
37.5°	16623.8	16803.7	16263.9	11889.9	5259.8	2879.1	1633.3	1273.4	1176.5	1107.3	1052.0
40°	17482.0	17814.2	17495.8	12499.0	5121.4	2782.2	1577.9	1204.2	1135.0	1052.0	1010.4
42.5°	18118.7	18506.2	18395.5	12969.6	5121.4	2685.3	1522.6	1162.7	1107.3	1010.4	955.1
45°	18672.3	19073.7	19059.9	13454.0	5232.1	2629.9	1453.4	1162.7	1079.6	982.8	927.4
47.5°	19170.6	19572.0	19710.5	14063.1	5412.1	2602.2	1370.3	1135.0	1079.6	968.9	885.9
50°	19710.5	20153.4	20568.6	15032.0	5633.5	2533.0	1315.0	1093.5	1093.5	955.1	858.2
52.5°	20402.5	20900.8	21662.1	16236.2	5855.0	2408.4	1231.9	1065.8	1093.5	941.2	830.5
55°	21523.7	21939.0	22935.5	17675.7	6131.8	2256.2	1162.7	996.6	1038.1	899.7	789.0
57.5°	22783.3	23143.2	23973.7	18783.1	6214.9	2062.4	1065.8	927.4	996.6	858.2	733.6
60°	24333.6	24513.5	24513.5	19101.4	5938.1	1882.5	996.6	872.0	899.7	816.7	692.1
62.5°	25316.3	25316.3	24513.5	18520.1	5412.1	1730.2	941.2	816.7	789.0	761.3	650.6
65°	25247.1	25136.4	23946.0	16831.4	4803.0	1633.3	885.9	747.4	705.9	692.1	609.0
67.5°	24084.4	23890.6	22271.2	14450.6	4166.3	1591.8	830.5	678.2	650.6	622.9	553.7
70°	21620.6	21122.3	19129.1	11627.0	3543.5	1564.1	816.7	622.9	595.2	567.5	512.1
72.5°	18049.5	17412.7	14935.1	8941.7	2975.9	1467.2	775.1	553.7	539.8	512.1	456.8
75°	13772.4	12595.9	10422.7	6837.8	2311.5	1273.4	664.4	484.5	484.5	470.6	415.2
77.5°	9495.3	8886.3	7266.8	5052.2	1688.7	982.8	539.8	429.1	429.1	442.9	387.6
80°	6713.2	6145.7	5176.8	3626.5	1065.8	664.4	415.2	359.9	401.4	429.1	359.9
82.5°	5135.2	4720.0	3848.0	2643.7	622.9	456.8	318.4	290.7	346.0	373.7	304.5
85°	3571.1	3072.8	1951.7	1771.7	359.9	276.8	235.3	235.3	304.5	373.7	276.8
87.5°	1010.4	429.1	124.6	526.0	152.3	110.7	83.0	55.4	83.0	83.0	55.4
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°	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9
2.5°	8581.8	8498.7	8498.7	8471.1	8484.9	8498.7	8484.9	8581.8	8623.3	8678.7	8789.4
5°	6588.6	6699.3	6616.3	6699.3	6810.1	6976.2	7017.7	7142.3	7156.1	7253.0	7197.6
7.5°	4886.1	4872.2	4803.0	4899.9	5204.4	5439.8	5550.5	5619.7	5633.5	5633.5	5564.3
10°	4138.6	4014.1	3889.5	3820.3	3848.0	4097.1	4180.2	4221.7	4194.0	4235.5	4180.2
12.5°	3543.5	3432.7	3252.8	3128.2	3045.2	3114.4	3197.4	3238.9	3266.6	3335.8	3391.2
15°	2879.1	2768.3	2657.6	2588.4	2519.2	2463.8	2533.0	2574.5	2643.7	2699.1	2726.8
17.5°	2187.0	2131.6	2076.2	2117.8	2117.8	2090.1	2117.8	2131.6	2159.3	2200.8	2187.0
20°	1771.7	1757.9	1744.0	1813.3	1868.6	1868.6	1896.3	1854.8	1840.9	1799.4	1785.6
22.5°	1577.9	1577.9	1591.8	1647.2	1702.5	1730.2	1730.2	1661.0	1591.8	1564.1	1577.9
25°	1467.2	1467.2	1508.7	1522.6	1550.3	1550.3	1564.1	1494.9	1453.4	1411.8	1425.7
27.5°	1384.2	1384.2	1398.0	1398.0	1411.8	1411.8	1425.7	1398.0	1342.6	1328.8	1328.8
30°	1328.8	1328.8	1315.0	1315.0	1315.0	1315.0	1328.8	1287.3	1259.6	1245.7	1245.7
32.5°	1273.4	1259.6	1245.7	1245.7	1231.9	1231.9	1245.7	1204.2	1190.4	1190.4	1190.4
35°	1107.3	1093.5	1107.3	1135.0	1135.0	1148.9	1148.9	1135.0	1107.3	1079.6	1065.8
37.5°	1038.1	1024.3	1024.3	1024.3	1052.0	1065.8	1079.6	1052.0	1010.4	968.9	968.9
40°	982.8	982.8	968.9	968.9	968.9	996.6	1024.3	982.8	927.4	913.5	913.5
42.5°	941.2	927.4	913.5	899.7	885.9	927.4	955.1	899.7	872.0	872.0	872.0
45°	899.7	885.9	872.0	858.2	844.3	858.2	885.9	830.5	816.7	816.7	816.7
47.5°	858.2	844.3	816.7	802.8	789.0	789.0	816.7	775.1	761.3	775.1	775.1
50°	830.5	802.8	775.1	761.3	747.4	747.4	747.4	733.6	733.6	733.6	747.4
52.5°	802.8	775.1	733.6	719.8	705.9	705.9	705.9	705.9	692.1	705.9	719.8
55°	761.3	733.6	705.9	692.1	678.2	664.4	678.2	664.4	664.4	678.2	678.2
57.5°	705.9	678.2	650.6	650.6	636.7	636.7	650.6	636.7	636.7	650.6	650.6
60°	664.4	636.7	609.0	609.0	595.2	609.0	622.9	609.0	609.0	609.0	622.9
62.5°	609.0	595.2	567.5	567.5	567.5	567.5	581.3	567.5	581.3	581.3	581.3
65°	567.5	539.8	526.0	526.0	526.0	526.0	553.7	526.0	539.8	539.8	539.8
67.5°	526.0	498.3	484.5	484.5	484.5	484.5	512.1	484.5	498.3	512.1	498.3
70°	484.5	456.8	442.9	442.9	442.9	442.9	456.8	442.9	442.9	456.8	456.8
72.5°	429.1	415.2	401.4	401.4	387.6	401.4	415.2	401.4	401.4	401.4	401.4
75°	387.6	373.7	373.7	359.9	359.9	359.9	373.7	346.0	346.0	346.0	346.0
77.5°	359.9	332.2	332.2	332.2	318.4	332.2	318.4	290.7	290.7	290.7	290.7
80°	304.5	276.8	290.7	290.7	276.8	276.8	263.0	235.3	235.3	235.3	235.3
82.5°	249.1	221.5	235.3	235.3	235.3	235.3	207.6	193.8	179.9	166.1	166.1
85°	221.5	179.9	207.6	207.6	193.8	193.8	138.4	138.4	110.7	110.7	96.9
87.5°	41.5	27.7	55.4	69.2	69.2	83.0	55.4	69.2	41.5	27.7	27.7
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°	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9
2.5°	8775.6	8927.8	9135.5	9287.7	9523.0	9703.0	9979.8	10215.1	10436.6	10533.5	10630.4
5°	7363.7	7460.6	7779.0	8028.1	8401.9	8803.3	9301.6	9841.4	10395.0	10644.2	10934.9
7.5°	5509.0	5688.9	5868.8	6228.7	6685.5	7336.1	7972.8	8775.6	9550.7	9924.4	10422.7
10°	4277.1	4415.5	4623.1	4996.8	5425.9	5965.7	6727.0	7682.1	8609.5	9093.9	9606.1
12.5°	3432.7	3626.5	3903.3	4290.9	4789.2	5342.9	5896.5	6782.4	7862.0	8415.7	8997.0
15°	2782.2	2934.4	3238.9	3723.4	4304.7	4872.2	5453.6	6187.2	7363.7	8000.5	8692.5
17.5°	2214.7	2325.4	2602.2	3086.7	3668.0	4304.7	4969.1	5896.5	7197.6	7972.8	8789.4
20°	1799.4	1882.5	2062.4	2422.3	2975.9	3668.0	4498.5	5619.7	7294.5	8291.1	9287.7
22.5°	1577.9	1605.6	1688.7	1882.5	2339.2	3072.8	4069.4	5384.4	7474.5	8761.7	10104.4
25°	1425.7	1453.4	1481.1	1605.6	1868.6	2560.7	3695.7	5246.0	7862.0	9453.8	11045.6
27.5°	1328.8	1356.5	1370.3	1425.7	1605.6	2187.0	3377.4	5162.9	8388.0	10464.3	12208.3
30°	1245.7	1245.7	1287.3	1370.3	1494.9	1924.0	3100.5	4969.1	8941.7	11308.6	13121.8
32.5°	1176.5	1190.4	1245.7	1287.3	1370.3	1702.5	2823.7	4720.0	9440.0	12000.7	14021.6
35°	1052.0	1052.0	1065.8	1135.0	1245.7	1522.6	2574.5	4470.8	9716.8	12678.9	14824.4
37.5°	968.9	982.8	1010.4	1065.8	1162.7	1398.0	2366.9	4194.0	10007.5	13315.6	15765.6
40°	913.5	927.4	955.1	1010.4	1107.3	1287.3	2187.0	3972.5	10312.0	14007.7	16776.0
42.5°	872.0	885.9	913.5	968.9	1052.0	1259.6	1993.2	3792.6	10491.9	14644.4	17731.1
45°	830.5	844.3	885.9	941.2	1010.4	1231.9	1882.5	3668.0	10561.1	15073.5	18492.4
47.5°	789.0	802.8	844.3	927.4	1010.4	1190.4	1840.9	3598.8	10616.5	15558.0	19101.4
50°	747.4	775.1	830.5	913.5	1024.3	1135.0	1813.3	3585.0	10934.9	16180.8	19682.8
52.5°	719.8	761.3	816.7	913.5	1010.4	1052.0	1799.4	3626.5	11571.6	17108.2	20513.3
55°	692.1	733.6	789.0	913.5	968.9	982.8	1730.2	3695.7	12540.5	18395.5	21689.8
57.5°	664.4	692.1	761.3	885.9	913.5	927.4	1591.8	3792.6	13509.4	19655.1	22894.0
60°	622.9	650.6	719.8	885.9	830.5	872.0	1411.8	3820.3	14201.5	20056.5	23004.8
62.5°	581.3	609.0	678.2	913.5	761.3	816.7	1259.6	3723.4	14339.9	19475.1	22381.9
65°	539.8	567.5	622.9	761.3	705.9	761.3	1162.7	3460.4	13883.1	18146.4	21246.9
67.5°	498.3	526.0	567.5	622.9	636.7	692.1	1121.2	3045.2	12734.3	16499.2	19696.6
70°	442.9	470.6	512.1	553.7	567.5	650.6	1052.0	2643.7	10879.5	14298.4	17800.3
72.5°	401.4	415.2	456.8	484.5	512.1	595.2	1010.4	2311.5	8318.8	11571.6	14519.8
75°	346.0	346.0	387.6	415.2	442.9	526.0	927.4	1924.0	5868.8	8830.9	10671.9
77.5°	290.7	290.7	318.4	346.0	373.7	456.8	789.0	1564.1	4069.4	7003.9	7737.5
80°	221.5	221.5	249.1	276.8	304.5	387.6	636.7	1148.9	2519.2	5121.4	5633.5
82.5°	152.3	152.3	193.8	207.6	221.5	304.5	484.5	789.0	1481.1	3695.7	4027.9
85°	83.0	83.0	110.7	124.6	152.3	221.5	359.9	553.7	885.9	2671.4	2685.3
87.5°	13.8	13.8	41.5	41.5	69.2	110.7	207.6	304.5	498.3	1481.1	941.2
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: P598804  
 CATALOG NUMBER: IFLD-S-SA6E-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9	9882.9
2.5°	10810.3	10962.6	10976.4	10976.4	10907.2	10921.0	10727.2	10519.6	10450.4	10436.6
5°	11377.8	11779.2	11889.9	11945.3	11765.4	11488.5	10990.2	10450.4	10173.6	10132.1
7.5°	11267.1	12069.9	12499.0	12554.3	12194.5	11543.9	10671.9	9841.4	9523.0	9440.0
10°	10616.5	11696.2	12471.3	12665.1	12277.5	11447.0	10312.0	9343.1	8955.5	8886.3
12.5°	10159.7	11197.9	11959.2	12222.1	12042.2	11322.4	10132.1	9024.7	8637.2	8540.3
15°	9910.6	10865.7	11364.0	11447.0	11433.2	11128.7	10132.1	9093.9	8664.8	8554.1
17.5°	10118.2	10768.8	10838.0	10644.2	10754.9	10907.2	10353.5	9467.7	9052.4	8955.5
20°	10533.5	10727.2	10395.0	10104.4	10159.7	10644.2	10699.6	10173.6	9841.4	9675.3
22.5°	11405.5	10879.5	10118.2	9716.8	9758.3	10436.6	11156.3	11128.7	10838.0	10754.9
25°	12291.4	11308.6	10035.2	9564.6	9619.9	10395.0	11696.2	12194.5	12042.2	12000.7
27.5°	13274.1	12028.4	10090.5	9495.3	9564.6	10450.4	12069.9	13094.2	13121.8	13080.3
30°	13938.5	12374.4	10256.6	9578.4	9675.3	10588.8	12152.9	13634.0	13883.1	13897.0
32.5°	14492.2	12720.4	10602.7	9716.8	9882.9	10838.0	12374.4	14146.1	14699.8	14713.6
35°	14935.1	13108.0	11031.8	9966.0	10215.1	11253.2	12665.1	14630.6	15461.1	15558.0
37.5°	15502.6	13537.1	11530.1	10505.8	10782.6	11848.4	13177.2	15198.1	16360.8	16623.8
40°	16111.6	13966.2	12249.8	11377.8	11779.2	12734.3	13758.6	15834.8	17122.1	17482.0
42.5°	16789.9	14423.0	13066.5	12554.3	13163.4	13855.5	14423.0	16416.2	17703.4	18118.7
45°	17454.3	14976.6	14256.9	14160.0	14838.2	15184.2	15073.5	16831.4	18257.1	18672.3
47.5°	17924.9	15779.4	15696.4	16277.7	16914.4	16734.5	15834.8	17135.9	18713.9	19170.6
50°	18354.0	16776.0	17509.6	18644.6	19032.2	18423.2	16651.5	17551.2	19198.3	19710.5
52.5°	18990.7	17841.8	19378.3	20790.1	21163.8	20194.9	17537.3	18229.4	19945.8	20402.5
55°	20291.8	19046.1	21329.9	22949.4	23018.6	21814.4	18727.7	19378.3	20997.7	21523.7
57.5°	21745.2	20527.1	22880.2	24735.0	24707.3	23433.8	20070.3	20928.5	22423.4	22783.3
60°	23060.1	22022.0	24568.9	26008.4	25939.2	24610.4	21634.4	22686.4	24056.7	24333.6
62.5°	23835.3	23378.5	25316.3	26409.8	26146.8	24997.9	22963.2	24250.5	25219.4	25316.3
65°	23710.7	24153.6	24444.3	25122.5	24748.8	23918.3	23613.8	25247.1	25344.0	25247.1
67.5°	22769.4	23710.7	22049.7	22118.9	21925.1	21219.2	22603.3	24984.1	24319.7	24084.4
70°	21343.8	21413.0	18437.0	17565.0	17869.5	16900.6	19392.1	22935.5	21911.3	21620.6
72.5°	18976.8	18118.7	13938.5	13052.6	13509.4	12817.3	15558.0	19987.3	18990.7	18049.5
75°	15917.9	14353.8	10616.5	9356.9	9592.2	9564.6	12056.0	16513.0	14713.6	13772.4
77.5°	12332.9	11184.0	7834.4	7349.9	7100.7	7156.1	8415.7	12277.5	10671.9	9495.3
80°	9010.9	7820.5	6062.6	6339.5	6201.0	5868.8	5896.5	8221.9	7419.1	6713.2
82.5°	6228.7	5564.3	4913.8	5550.5	5218.3	4706.1	4595.4	5924.2	5564.3	5135.2
85°	4180.2	4581.6	3903.3	4249.4	3681.9	3391.2	4318.6	4955.3	4000.2	3571.1
87.5°	2726.8	4194.0	2809.8	2131.6	1218.1	1633.3	2643.7	3252.8	1868.6	1010.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)