

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: P598808

Luminaire Tested: **IFLD-M-SA4D-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: P598808  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4D-827-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (64) 2700K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

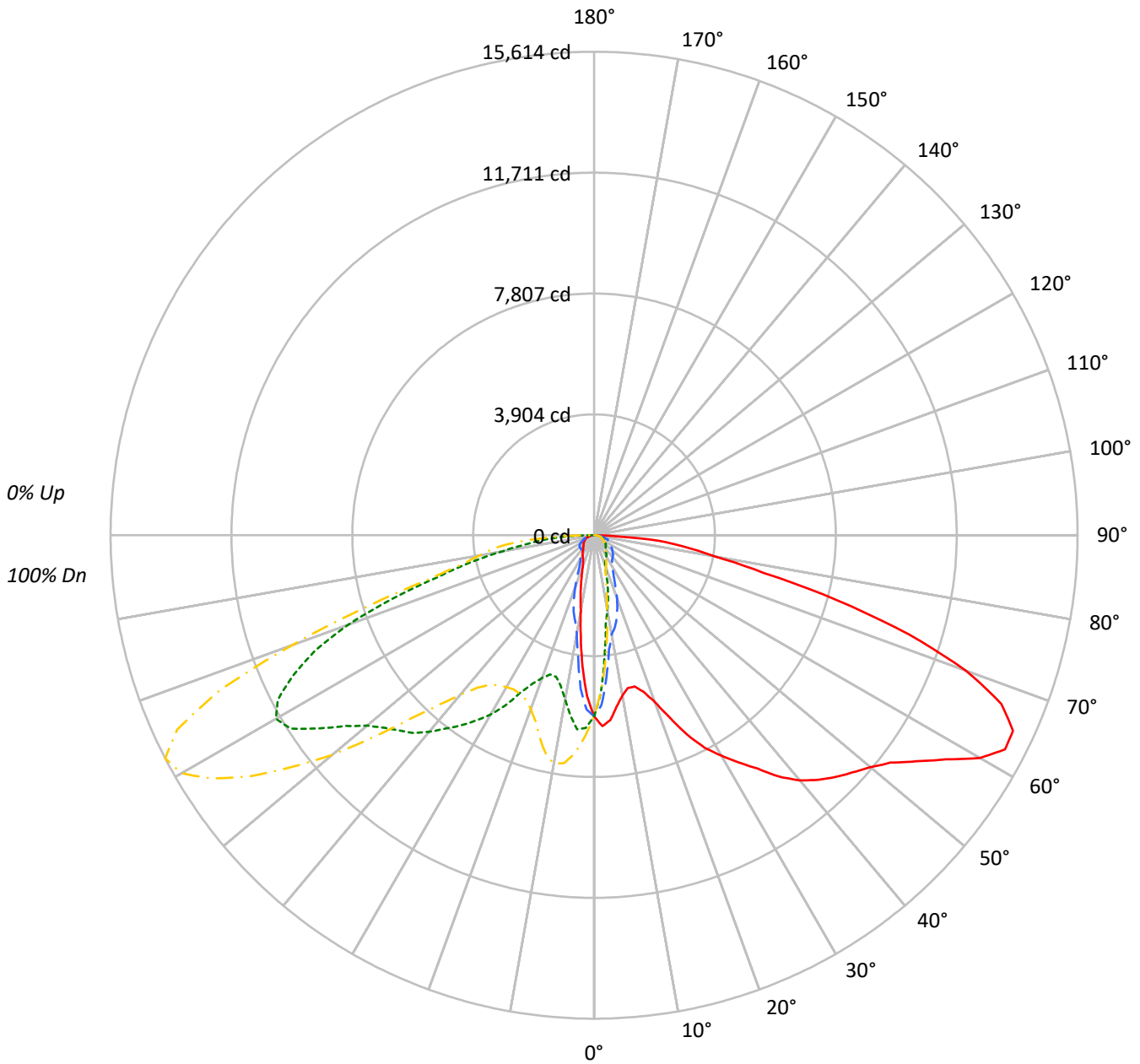
Lumens per Lamp: N/A  
 Luminaire Lumens: 19560.6 lumens  
 Efficiency: N/A  
 Efficacy: 78.3 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 249.7  
 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	100			100	
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77			77	
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59			59	
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46			46	
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36			36	
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30			30	
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25			25	
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21			21	
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18			18	
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16			16	
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14			14	

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

	0°	90°	180°	270°
0°	62895	62895	62895	62895
5°	64726	42090	45981	67998
10°	57425	26745	27013	58766
15°	56359	18969	17966	52710
20°	65526	11999	12093	56151
25°	84267	10303	10011	66383
30°	102122	9764	9154	83101
35°	120870	8603	8280	98502
40°	145233	8164	7589	116370
45°	168052	8097	7349	135663
50°	195146	8222	7400	160201
55°	238811	8447	7525	204102
60°	309717	8456	7929	255279
65°	380182	8545	8130	273256
70°	402295	9013	8500	266051
75°	338643	9528	8509	217142
80°	246032	11158	8622	187690
85°	260762	16166	7077	195059

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.2	2.3
10°-20°	946.4	4.8
20°-30°	1363.9	7.0
30°-40°	1963.4	10.0
40°-50°	2788.9	14.3
50°-60°	4009.7	20.5
60°-70°	4632.5	23.7
70°-80°	2623.0	13.4
80°-90°	780.6	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°	2762.5	14.1
0°-40°	4725.9	24.2
0°-60°	11524.5	58.9
0°-90°	19560.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19560.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5843	5843	5843	5843	5843	
5°	5990	3895	4256	6293	5990	544
15°	5058	1702	1612	4730	5058	1487
25°	7095	868	843	5589	7095	3293
35°	9198	655	630	7496	9198	5838
45°	11040	532	483	8912	11040	8548
55°	12726	450	401	10876	12726	11525
65°	14927	336	319	10729	14927	14314
75°	8143	229	205	5221	8143	8640
85°	2111	131	57	1579	2111	2103
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°	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1
2.5°	6170.5	6162.3	6113.2	5957.7	5794.0	5638.5	5491.2	5335.7	5253.9	5155.7	5114.8
5°	5990.4	5974.0	5834.9	5491.2	5188.4	4861.1	4582.8	4361.9	4181.8	4001.8	3936.3
7.5°	5581.2	5556.7	5393.0	4918.4	4476.4	4050.9	3715.4	3428.9	3191.6	3085.2	2962.5
10°	5253.9	5213.0	5000.2	4476.4	3903.6	3478.0	3257.1	3060.7	2856.1	2684.2	2504.2
12.5°	5049.3	5000.2	4779.2	4165.5	3609.0	3289.8	3060.7	2839.7	2586.0	2373.3	2176.8
15°	5057.5	5000.2	4730.1	4083.6	3535.3	3126.1	2807.0	2504.2	2209.6	1972.3	1751.3
17.5°	5294.8	5221.2	4934.7	4198.2	3478.0	2913.4	2487.8	2095.0	1759.5	1505.8	1325.7
20°	5720.4	5671.3	5343.9	4370.1	3420.8	2684.2	2160.5	1685.8	1333.9	1137.5	1063.9
22.5°	6358.7	6301.4	5949.5	4631.9	3404.4	2479.6	1808.6	1325.7	1072.1	990.2	949.3
25°	7095.2	6988.8	6661.5	5073.8	3437.1	2291.4	1522.2	1096.6	957.5	900.2	875.6
27.5°	7733.5	7668.1	7299.8	5491.2	3453.5	2144.1	1325.7	998.4	892.0	842.9	826.5
30°	8216.4	8191.8	7831.7	5949.5	3412.6	1964.1	1203.0	957.5	892.0	842.9	793.8
32.5°	8699.2	8707.4	8322.7	6301.4	3355.3	1808.6	1088.4	851.1	785.6	752.9	761.1
35°	9198.4	9239.3	8912.0	6645.1	3232.5	1751.3	1006.6	793.8	736.5	687.4	662.9
37.5°	9828.5	9934.9	9615.8	7029.7	3109.8	1702.2	965.7	752.9	695.6	654.7	622.0
40°	10335.9	10532.3	10344.1	7389.8	3027.9	1644.9	932.9	712.0	671.1	622.0	597.4
42.5°	10712.4	10941.5	10876.0	7668.1	3027.9	1587.6	900.2	687.4	654.7	597.4	564.7
45°	11039.7	11277.0	11268.9	7954.5	3093.4	1554.9	859.3	687.4	638.3	581.0	548.3
47.5°	11334.3	11571.6	11653.5	8314.6	3199.8	1538.5	810.2	671.1	638.3	572.9	523.8
50°	11653.5	11915.4	12160.9	8887.4	3330.7	1497.6	777.4	646.5	646.5	564.7	507.4
52.5°	12062.7	12357.3	12807.4	9599.4	3461.7	1424.0	728.3	630.1	646.5	556.5	491.0
55°	12725.5	12971.0	13560.3	10450.5	3625.3	1333.9	687.4	589.2	613.8	531.9	466.5
57.5°	13470.2	13683.0	14174.0	11105.2	3674.4	1219.4	630.1	548.3	589.2	507.4	433.7
60°	14386.8	14493.2	14493.2	11293.4	3510.8	1113.0	589.2	515.6	531.9	482.8	409.2
62.5°	14967.9	14967.9	14493.2	10949.7	3199.8	1023.0	556.5	482.8	466.5	450.1	384.6
65°	14926.9	14861.5	14157.7	9951.3	2839.7	965.7	523.8	441.9	417.4	409.2	360.1
67.5°	14239.5	14124.9	13167.5	8543.7	2463.3	941.1	491.0	401.0	384.6	368.3	327.3
70°	12782.8	12488.2	11309.8	6874.2	2095.0	924.7	482.8	368.3	351.9	335.5	302.8
72.5°	10671.4	10295.0	8830.1	5286.6	1759.5	867.5	458.3	327.3	319.2	302.8	270.1
75°	8142.7	7447.1	6162.3	4042.7	1366.7	752.9	392.8	286.4	286.4	278.2	245.5
77.5°	5614.0	5253.9	4296.4	2987.0	998.4	581.0	319.2	253.7	253.7	261.9	229.1
80°	3969.1	3633.5	3060.7	2144.1	630.1	392.8	245.5	212.8	237.3	253.7	212.8
82.5°	3036.1	2790.6	2275.0	1563.1	368.3	270.1	188.2	171.9	204.6	221.0	180.0
85°	2111.4	1816.8	1153.9	1047.5	212.8	163.7	139.1	139.1	180.0	221.0	163.7
87.5°	597.4	253.7	73.7	311.0	90.0	65.5	49.1	32.7	49.1	49.1	32.7
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1
2.5°	5073.8	5024.7	5024.7	5008.4	5016.6	5024.7	5016.6	5073.8	5098.4	5131.1	5196.6
5°	3895.4	3960.9	3911.8	3960.9	4026.3	4124.5	4149.1	4222.8	4230.9	4288.2	4255.5
7.5°	2888.8	2880.6	2839.7	2897.0	3077.0	3216.2	3281.6	3322.6	3330.7	3330.7	3289.8
10°	2446.9	2373.3	2299.6	2258.7	2275.0	2422.4	2471.5	2496.0	2479.6	2504.2	2471.5
12.5°	2095.0	2029.5	1923.2	1849.5	1800.4	1841.3	1890.4	1915.0	1931.3	1972.3	2005.0
15°	1702.2	1636.7	1571.3	1530.3	1489.4	1456.7	1497.6	1522.2	1563.1	1595.8	1612.2
17.5°	1293.0	1260.3	1227.5	1252.1	1252.1	1235.7	1252.1	1260.3	1276.6	1301.2	1293.0
20°	1047.5	1039.3	1031.1	1072.1	1104.8	1104.8	1121.2	1096.6	1088.4	1063.9	1055.7
22.5°	932.9	932.9	941.1	973.9	1006.6	1023.0	1023.0	982.0	941.1	924.7	932.9
25°	867.5	867.5	892.0	900.2	916.6	916.6	924.7	883.8	859.3	834.7	842.9
27.5°	818.4	818.4	826.5	826.5	834.7	834.7	842.9	826.5	793.8	785.6	785.6
30°	785.6	785.6	777.4	777.4	777.4	777.4	785.6	761.1	744.7	736.5	736.5
32.5°	752.9	744.7	736.5	736.5	728.3	728.3	736.5	712.0	703.8	703.8	703.8
35°	654.7	646.5	654.7	671.1	671.1	679.2	679.2	671.1	654.7	638.3	630.1
37.5°	613.8	605.6	605.6	605.6	622.0	630.1	638.3	622.0	597.4	572.9	572.9
40°	581.0	581.0	572.9	572.9	572.9	589.2	605.6	581.0	548.3	540.1	540.1
42.5°	556.5	548.3	540.1	531.9	523.8	548.3	564.7	531.9	515.6	515.6	515.6
45°	531.9	523.8	515.6	507.4	499.2	507.4	523.8	491.0	482.8	482.8	482.8
47.5°	507.4	499.2	482.8	474.7	466.5	466.5	482.8	458.3	450.1	458.3	458.3
50°	491.0	474.7	458.3	450.1	441.9	441.9	441.9	433.7	433.7	433.7	441.9
52.5°	474.7	458.3	433.7	425.5	417.4	417.4	417.4	417.4	409.2	417.4	425.5
55°	450.1	433.7	417.4	409.2	401.0	392.8	401.0	392.8	392.8	401.0	401.0
57.5°	417.4	401.0	384.6	384.6	376.4	376.4	384.6	376.4	376.4	384.6	384.6
60°	392.8	376.4	360.1	360.1	351.9	360.1	368.3	360.1	360.1	360.1	368.3
62.5°	360.1	351.9	335.5	335.5	335.5	335.5	343.7	335.5	343.7	343.7	343.7
65°	335.5	319.2	311.0	311.0	311.0	311.0	327.3	311.0	319.2	319.2	319.2
67.5°	311.0	294.6	286.4	286.4	286.4	286.4	302.8	286.4	294.6	302.8	294.6
70°	286.4	270.1	261.9	261.9	261.9	261.9	270.1	261.9	261.9	270.1	270.1
72.5°	253.7	245.5	237.3	237.3	229.1	237.3	245.5	237.3	237.3	237.3	237.3
75°	229.1	221.0	221.0	212.8	212.8	212.8	221.0	204.6	204.6	204.6	204.6
77.5°	212.8	196.4	196.4	196.4	188.2	196.4	188.2	171.9	171.9	171.9	171.9
80°	180.0	163.7	171.9	171.9	163.7	163.7	155.5	139.1	139.1	139.1	139.1
82.5°	147.3	130.9	139.1	139.1	139.1	139.1	122.8	114.6	106.4	98.2	98.2
85°	130.9	106.4	122.8	122.8	114.6	114.6	81.8	81.8	65.5	65.5	57.3
87.5°	24.6	16.4	32.7	40.9	40.9	49.1	32.7	40.9	24.6	16.4	16.4
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1
2.5°	5188.4	5278.4	5401.2	5491.2	5630.3	5736.7	5900.4	6039.5	6170.5	6227.7	6285.0
5°	4353.7	4411.0	4599.2	4746.5	4967.5	5204.8	5499.4	5818.6	6145.9	6293.2	6465.1
7.5°	3257.1	3363.5	3469.9	3682.6	3952.7	4337.3	4713.8	5188.4	5646.7	5867.7	6162.3
10°	2528.7	2610.6	2733.3	2954.3	3208.0	3527.1	3977.2	4541.9	5090.2	5376.6	5679.4
12.5°	2029.5	2144.1	2307.8	2536.9	2831.5	3158.9	3486.2	4010.0	4648.3	4975.6	5319.4
15°	1644.9	1734.9	1915.0	2201.4	2545.1	2880.6	3224.3	3658.1	4353.7	4730.1	5139.3
17.5°	1309.4	1374.8	1538.5	1824.9	2168.7	2545.1	2937.9	3486.2	4255.5	4713.8	5196.6
20°	1063.9	1113.0	1219.4	1432.1	1759.5	2168.7	2659.7	3322.6	4312.8	4902.0	5491.2
22.5°	932.9	949.3	998.4	1113.0	1383.0	1816.8	2406.0	3183.4	4419.2	5180.2	5974.0
25°	842.9	859.3	875.6	949.3	1104.8	1514.0	2185.0	3101.6	4648.3	5589.4	6530.5
27.5°	785.6	802.0	810.2	842.9	949.3	1293.0	1996.8	3052.5	4959.3	6186.8	7218.0
30°	736.5	736.5	761.1	810.2	883.8	1137.5	1833.1	2937.9	5286.6	6686.0	7758.1
32.5°	695.6	703.8	736.5	761.1	810.2	1006.6	1669.5	2790.6	5581.2	7095.2	8290.0
35°	622.0	622.0	630.1	671.1	736.5	900.2	1522.2	2643.3	5744.9	7496.2	8764.7
37.5°	572.9	581.0	597.4	630.1	687.4	826.5	1399.4	2479.6	5916.8	7872.6	9321.1
40°	540.1	548.3	564.7	597.4	654.7	761.1	1293.0	2348.7	6096.8	8281.8	9918.6
42.5°	515.6	523.8	540.1	572.9	622.0	744.7	1178.4	2242.3	6203.2	8658.3	10483.2
45°	491.0	499.2	523.8	556.5	597.4	728.3	1113.0	2168.7	6244.1	8912.0	10933.3
47.5°	466.5	474.7	499.2	548.3	597.4	703.8	1088.4	2127.7	6276.8	9198.4	11293.4
50°	441.9	458.3	491.0	540.1	605.6	671.1	1072.1	2119.6	6465.1	9566.7	11637.1
52.5°	425.5	450.1	482.8	540.1	597.4	622.0	1063.9	2144.1	6841.5	10115.0	12128.1
55°	409.2	433.7	466.5	540.1	572.9	581.0	1023.0	2185.0	7414.4	10876.0	12823.7
57.5°	392.8	409.2	450.1	523.8	540.1	548.3	941.1	2242.3	7987.2	11620.7	13535.7
60°	368.3	384.6	425.5	523.8	491.0	515.6	834.7	2258.7	8396.4	11858.1	13601.2
62.5°	343.7	360.1	401.0	540.1	450.1	482.8	744.7	2201.4	8478.2	11514.4	13232.9
65°	319.2	335.5	368.3	450.1	417.4	450.1	687.4	2045.9	8208.2	10728.7	12561.9
67.5°	294.6	311.0	335.5	368.3	376.4	409.2	662.9	1800.4	7528.9	9754.9	11645.3
70°	261.9	278.2	302.8	327.3	335.5	384.6	622.0	1563.1	6432.3	8453.7	10524.1
72.5°	237.3	245.5	270.1	286.4	302.8	351.9	597.4	1366.7	4918.4	6841.5	8584.6
75°	204.6	204.6	229.1	245.5	261.9	311.0	548.3	1137.5	3469.9	5221.2	6309.6
77.5°	171.9	171.9	188.2	204.6	221.0	270.1	466.5	924.7	2406.0	4140.9	4574.6
80°	130.9	130.9	147.3	163.7	180.0	229.1	376.4	679.2	1489.4	3027.9	3330.7
82.5°	90.0	90.0	114.6	122.8	130.9	180.0	286.4	466.5	875.6	2185.0	2381.4
85°	49.1	49.1	65.5	73.7	90.0	130.9	212.8	327.3	523.8	1579.4	1587.6
87.5°	8.2	8.2	24.6	24.6	40.9	65.5	122.8	180.0	294.6	875.6	556.5
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: P598808  
 CATALOG NUMBER: IFLD-M-SA4D-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1	5843.1
2.5°	6391.4	6481.4	6489.6	6489.6	6448.7	6456.9	6342.3	6219.6	6178.6	6170.5
5°	6726.9	6964.3	7029.7	7062.5	6956.1	6792.4	6497.8	6178.6	6015.0	5990.4
7.5°	6661.5	7136.1	7389.8	7422.5	7209.8	6825.1	6309.6	5818.6	5630.3	5581.2
10°	6276.8	6915.2	7373.4	7488.0	7258.9	6767.9	6096.8	5523.9	5294.8	5253.9
12.5°	6006.8	6620.6	7070.7	7226.1	7119.8	6694.2	5990.4	5335.7	5106.6	5049.3
15°	5859.5	6424.1	6718.8	6767.9	6759.7	6579.6	5990.4	5376.6	5122.9	5057.5
17.5°	5982.2	6366.9	6407.8	6293.2	6358.7	6448.7	6121.4	5597.6	5352.1	5294.8
20°	6227.7	6342.3	6145.9	5974.0	6006.8	6293.2	6325.9	6015.0	5818.6	5720.4
22.5°	6743.3	6432.3	5982.2	5744.9	5769.5	6170.5	6596.0	6579.6	6407.8	6358.7
25°	7267.1	6686.0	5933.1	5654.9	5687.6	6145.9	6915.2	7209.8	7119.8	7095.2
27.5°	7848.1	7111.6	5965.9	5614.0	5654.9	6178.6	7136.1	7741.7	7758.1	7733.5
30°	8240.9	7316.2	6064.1	5663.1	5720.4	6260.5	7185.2	8060.9	8208.2	8216.4
32.5°	8568.3	7520.8	6268.7	5744.9	5843.1	6407.8	7316.2	8363.7	8691.0	8699.2
35°	8830.1	7749.9	6522.3	5892.2	6039.5	6653.3	7488.0	8650.1	9141.1	9198.4
37.5°	9165.7	8003.6	6817.0	6211.4	6375.0	7005.2	7790.8	8985.6	9673.0	9828.5
40°	9525.7	8257.3	7242.5	6726.9	6964.3	7528.9	8134.5	9362.1	10123.1	10335.9
42.5°	9926.7	8527.3	7725.3	7422.5	7782.6	8191.8	8527.3	9705.8	10466.9	10712.4
45°	10319.6	8854.7	8429.1	8371.8	8772.8	8977.4	8912.0	9951.3	10794.2	11039.7
47.5°	10597.8	9329.3	9280.2	9623.9	10000.4	9894.0	9362.1	10131.3	11064.3	11334.3
50°	10851.5	9918.6	10352.3	11023.3	11252.5	10892.4	9844.9	10376.8	11350.7	11653.5
52.5°	11227.9	10548.7	11457.1	12291.8	12512.8	11939.9	10368.7	10777.8	11792.6	12062.7
55°	11997.2	11260.7	12611.0	13568.5	13609.4	12897.4	11072.4	11457.1	12414.6	12725.5
57.5°	12856.5	12136.3	13527.5	14624.1	14607.8	13854.9	11866.3	12373.6	13257.5	13470.2
60°	13633.9	13020.1	14525.9	15377.0	15336.1	14550.5	12791.0	13413.0	14223.1	14386.8
62.5°	14092.2	13822.1	14967.9	15614.4	15458.9	14779.6	13576.6	14337.7	14910.6	14967.9
65°	14018.6	14280.4	14452.3	14853.3	14632.3	14141.3	13961.3	14926.9	14984.2	14926.9
67.5°	13462.1	14018.6	13036.5	13077.4	12962.9	12545.5	13363.9	14771.4	14378.6	14239.5
70°	12619.2	12660.1	10900.6	10385.0	10565.1	9992.2	11465.3	13560.3	12954.7	12782.8
72.5°	11219.8	10712.4	8240.9	7717.2	7987.2	7578.0	9198.4	11817.2	11227.9	10671.4
75°	9411.2	8486.4	6276.8	5532.1	5671.3	5654.9	7127.9	9763.1	8699.2	8142.7
77.5°	7291.6	6612.4	4631.9	4345.5	4198.2	4230.9	4975.6	7258.9	6309.6	5614.0
80°	5327.5	4623.7	3584.4	3748.1	3666.3	3469.9	3486.2	4861.1	4386.4	3969.1
82.5°	3682.6	3289.8	2905.2	3281.6	3085.2	2782.4	2717.0	3502.6	3289.8	3036.1
85°	2471.5	2708.8	2307.8	2512.4	2176.8	2005.0	2553.3	2929.7	2365.1	2111.4
87.5°	1612.2	2479.6	1661.3	1260.3	720.2	965.7	1563.1	1923.2	1104.8	597.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)