

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: P598816

Luminaire Tested: **IFLD-L-SA8B-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: P598816  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8B-827-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (128) 2700K CCT, 80 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

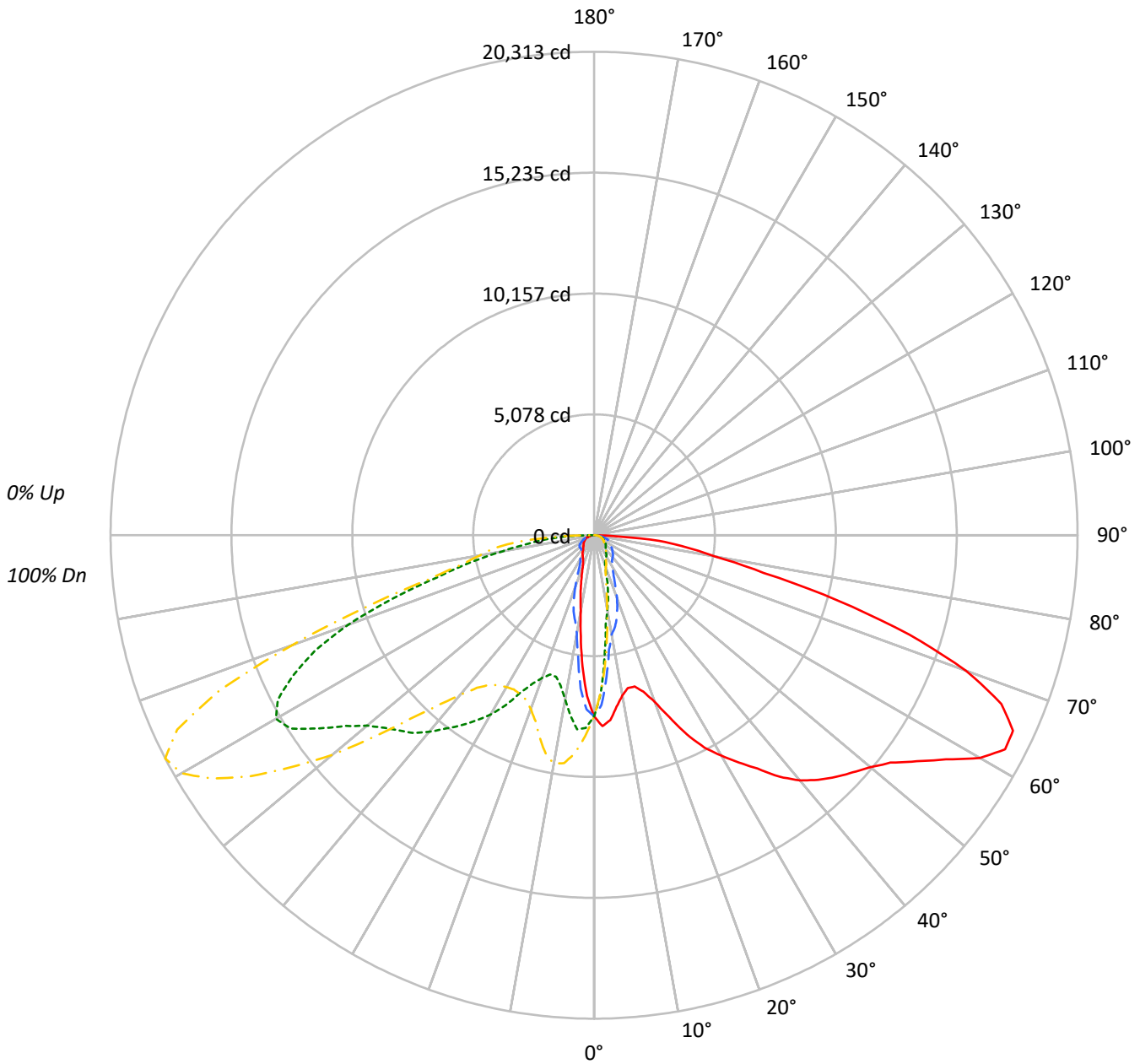
Lumens per Lamp: N/A  
 Luminaire Lumens: 25447.3 lumens  
 Efficiency: N/A  
 Efficacy: 79.5 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 320  
 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				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	100	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77	77	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59	59	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46	46	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36	36	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30	30	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25	25	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21	21	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18	18	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16	16	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14	14	14

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

	0°	90°	180°	270°
0°	40911	40911	40911	40911
5°	42103	27378	29909	44231
10°	37353	17397	17571	38226
15°	36660	12339	11686	34287
20°	42622	7805	7866	36525
25°	54814	6701	6512	43181
30°	66427	6352	5955	54055
35°	78622	5596	5386	64073
40°	94470	5311	4937	75696
45°	109313	5267	4781	88245
50°	126936	5349	4814	104206
55°	155340	5495	4895	132763
60°	201463	5500	5157	166052
65°	247298	5559	5287	177746
70°	261683	5863	5528	173059
75°	220278	6199	5535	141243
80°	160035	7259	5610	122089
85°	169618	10516	4600	126886

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	588.3	2.3
10°-20°	1231.2	4.8
20°-30°	1774.3	7.0
30°-40°	2554.3	10.0
40°-50°	3628.2	14.3
50°-60°	5216.4	20.5
60°-70°	6026.6	23.7
70°-80°	3412.4	13.4
80°-90°	1015.5	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°	3593.8	14.1
0°-40°	6148.2	24.2
0°-60°	14992.7	58.9
0°-90°	25447.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25447.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7602	7602	7602	7602	7602	
5°	7793	5068	5536	8187	7793	707
15°	6580	2214	2097	6154	6580	1935
25°	9230	1128	1097	7272	9230	4284
35°	11967	852	820	9752	11967	7595
45°	14362	692	628	11594	14362	11121
55°	16555	586	522	14149	16555	14993
65°	19419	436	415	13958	19419	18621
75°	10593	298	266	6792	10593	11240
85°	2747	170	74	2055	2747	2736
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°	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6
2.5°	8027.4	8016.8	7952.9	7750.6	7537.7	7335.4	7143.8	6941.5	6835.0	6707.3	6654.0
5°	7793.2	7771.9	7590.9	7143.8	6749.8	6324.0	5962.0	5674.6	5440.3	5206.1	5120.9
7.5°	7260.9	7228.9	7016.0	6398.5	5823.6	5270.0	4833.5	4460.9	4152.1	4013.7	3854.0
10°	6835.0	6781.8	6505.0	5823.6	5078.4	4524.7	4237.3	3981.8	3715.6	3492.0	3257.8
12.5°	6568.9	6505.0	6217.5	5419.0	4695.1	4279.9	3981.8	3694.3	3364.3	3087.5	2832.0
15°	6579.5	6505.0	6153.6	5312.6	4599.3	4066.9	3651.7	3257.8	2874.5	2565.8	2278.3
17.5°	6888.3	6792.4	6419.8	5461.6	4524.7	3790.1	3236.5	2725.5	2289.0	1958.9	1724.7
20°	7441.9	7378.0	6952.1	5685.2	4450.2	3492.0	2810.7	2193.2	1735.4	1479.9	1384.0
22.5°	8272.3	8197.8	7740.0	6025.9	4428.9	3225.9	2352.9	1724.7	1394.7	1288.2	1235.0
25°	9230.5	9092.1	8666.2	6600.8	4471.5	2981.0	1980.2	1426.6	1245.6	1171.1	1139.2
27.5°	10060.9	9975.7	9496.6	7143.8	4492.8	2789.4	1724.7	1298.9	1160.5	1096.6	1075.3
30°	10689.0	10657.1	10188.7	7740.0	4439.6	2555.1	1565.0	1245.6	1160.5	1096.6	1032.7
32.5°	11317.2	11327.8	10827.4	8197.8	4365.0	2352.9	1416.0	1107.2	1022.1	979.5	990.1
35°	11966.6	12019.8	11594.0	8644.9	4205.3	2278.3	1309.5	1032.7	958.2	894.3	862.4
37.5°	12786.4	12924.8	12509.6	9145.3	4045.7	2214.5	1256.3	979.5	904.9	851.7	809.1
40°	13446.5	13702.0	13457.1	9613.7	3939.2	2139.9	1213.7	926.2	873.0	809.1	777.2
42.5°	13936.2	14234.3	14149.1	9975.7	3939.2	2065.4	1171.1	894.3	851.7	777.2	734.6
45°	14362.1	14670.8	14660.2	10348.3	4024.4	2022.8	1117.9	894.3	830.4	755.9	713.3
47.5°	14745.3	15054.1	15160.5	10816.8	4162.8	2001.5	1054.0	873.0	830.4	745.3	681.4
50°	15160.5	15501.2	15820.6	11562.0	4333.1	1948.3	1011.4	841.1	841.1	734.6	660.1
52.5°	15692.9	16076.1	16661.7	12488.3	4503.4	1852.5	947.5	819.8	841.1	724.0	638.8
55°	16555.2	16874.6	17641.2	13595.5	4716.4	1735.4	894.3	766.5	798.5	692.0	606.8
57.5°	17524.1	17800.9	18439.7	14447.2	4780.3	1586.3	819.8	713.3	766.5	660.1	564.3
60°	18716.5	18854.9	18854.9	14692.1	4567.3	1447.9	766.5	670.7	692.0	628.1	532.3
62.5°	19472.4	19472.4	18854.9	14244.9	4162.8	1330.8	724.0	628.1	606.8	585.6	500.4
65°	19419.1	19334.0	18418.4	12946.1	3694.3	1256.3	681.4	574.9	543.0	532.3	468.4
67.5°	18524.8	18375.8	17130.1	11114.9	3204.6	1224.3	638.8	521.7	500.4	479.1	425.9
70°	16629.8	16246.5	14713.4	8943.0	2725.5	1203.0	628.1	479.1	457.8	436.5	393.9
72.5°	13883.0	13393.2	11487.5	6877.6	2289.0	1128.5	596.2	425.9	415.2	393.9	351.3
75°	10593.2	9688.3	8016.8	5259.3	1778.0	979.5	511.0	372.6	372.6	362.0	319.4
77.5°	7303.5	6835.0	5589.4	3886.0	1298.9	755.9	415.2	330.0	330.0	340.7	298.1
80°	5163.5	4727.0	3981.8	2789.4	819.8	511.0	319.4	276.8	308.7	330.0	276.8
82.5°	3949.8	3630.4	2959.7	2033.5	479.1	351.3	244.9	223.6	266.2	287.5	234.2
85°	2746.8	2363.5	1501.1	1362.7	276.8	212.9	181.0	181.0	234.2	287.5	212.9
87.5°	777.2	330.0	95.8	404.6	117.1	85.2	63.9	42.6	63.9	63.9	42.6
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°	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6
2.5°	6600.8	6536.9	6536.9	6515.6	6526.3	6536.9	6526.3	6600.8	6632.7	6675.3	6760.5
5°	5067.7	5152.9	5089.0	5152.9	5238.1	5365.8	5397.8	5493.6	5504.2	5578.7	5536.2
7.5°	3758.2	3747.6	3694.3	3768.8	4003.1	4184.1	4269.2	4322.5	4333.1	4333.1	4279.9
10°	3183.3	3087.5	2991.7	2938.4	2959.7	3151.3	3215.2	3247.2	3225.9	3257.8	3215.2
12.5°	2725.5	2640.3	2501.9	2406.1	2342.2	2395.5	2459.3	2491.3	2512.6	2565.8	2608.4
15°	2214.5	2129.3	2044.1	1990.9	1937.7	1895.1	1948.3	1980.2	2033.5	2076.1	2097.4
17.5°	1682.1	1639.6	1597.0	1628.9	1628.9	1607.6	1628.9	1639.6	1660.8	1692.8	1682.1
20°	1362.7	1352.1	1341.5	1394.7	1437.3	1437.3	1458.6	1426.6	1416.0	1384.0	1373.4
22.5°	1213.7	1213.7	1224.3	1266.9	1309.5	1330.8	1330.8	1277.6	1224.3	1203.0	1213.7
25°	1128.5	1128.5	1160.5	1171.1	1192.4	1192.4	1203.0	1149.8	1117.9	1085.9	1096.6
27.5°	1064.6	1064.6	1075.3	1075.3	1085.9	1085.9	1096.6	1075.3	1032.7	1022.1	1022.1
30°	1022.1	1022.1	1011.4	1011.4	1011.4	1011.4	1022.1	990.1	968.8	958.2	958.2
32.5°	979.5	968.8	958.2	958.2	947.5	947.5	958.2	926.2	915.6	915.6	915.6
35°	851.7	841.1	851.7	873.0	873.0	883.7	883.7	873.0	851.7	830.4	819.8
37.5°	798.5	787.8	787.8	787.8	809.1	819.8	830.4	809.1	777.2	745.3	745.3
40°	755.9	755.9	745.3	745.3	745.3	766.5	787.8	755.9	713.3	702.7	702.7
42.5°	724.0	713.3	702.7	692.0	681.4	713.3	734.6	692.0	670.7	670.7	670.7
45°	692.0	681.4	670.7	660.1	649.4	660.1	681.4	638.8	628.1	628.1	628.1
47.5°	660.1	649.4	628.1	617.5	606.8	606.8	628.1	596.2	585.6	596.2	596.2
50°	638.8	617.5	596.2	585.6	574.9	574.9	574.9	564.3	564.3	564.3	574.9
52.5°	617.5	596.2	564.3	553.6	543.0	543.0	543.0	543.0	532.3	543.0	553.6
55°	585.6	564.3	543.0	532.3	521.7	511.0	521.7	511.0	511.0	521.7	521.7
57.5°	543.0	521.7	500.4	500.4	489.7	489.7	500.4	489.7	489.7	500.4	500.4
60°	511.0	489.7	468.4	468.4	457.8	468.4	479.1	468.4	468.4	468.4	479.1
62.5°	468.4	457.8	436.5	436.5	436.5	436.5	447.2	436.5	447.2	447.2	447.2
65°	436.5	415.2	404.6	404.6	404.6	404.6	425.9	404.6	415.2	415.2	415.2
67.5°	404.6	383.3	372.6	372.6	372.6	372.6	393.9	372.6	383.3	393.9	383.3
70°	372.6	351.3	340.7	340.7	340.7	340.7	351.3	340.7	340.7	351.3	351.3
72.5°	330.0	319.4	308.7	308.7	298.1	308.7	319.4	308.7	308.7	308.7	308.7
75°	298.1	287.5	287.5	276.8	276.8	276.8	287.5	266.2	266.2	266.2	266.2
77.5°	276.8	255.5	255.5	255.5	244.9	255.5	244.9	223.6	223.6	223.6	223.6
80°	234.2	212.9	223.6	223.6	212.9	212.9	202.3	181.0	181.0	181.0	181.0
82.5°	191.6	170.3	181.0	181.0	181.0	181.0	159.7	149.1	138.4	127.8	127.8
85°	170.3	138.4	159.7	159.7	149.1	149.1	106.5	106.5	85.2	85.2	74.5
87.5°	31.9	21.3	42.6	53.2	53.2	63.9	42.6	53.2	31.9	21.3	21.3
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6
2.5°	6749.8	6867.0	7026.7	7143.8	7324.8	7463.2	7676.1	7857.1	8027.4	8101.9	8176.5
5°	5663.9	5738.4	5983.3	6174.9	6462.4	6771.1	7154.4	7569.6	7995.5	8187.1	8410.7
7.5°	4237.3	4375.7	4514.1	4790.9	5142.2	5642.6	6132.4	6749.8	7346.1	7633.5	8016.8
10°	3289.8	3396.2	3555.9	3843.4	4173.4	4588.6	5174.2	5908.8	6622.1	6994.7	7388.6
12.5°	2640.3	2789.4	3002.3	3300.4	3683.7	4109.5	4535.4	5216.8	6047.2	6473.0	6920.2
15°	2139.9	2257.0	2491.3	2863.9	3311.0	3747.6	4194.7	4759.0	5663.9	6153.6	6686.0
17.5°	1703.4	1788.6	2001.5	2374.2	2821.3	3311.0	3822.1	4535.4	5536.2	6132.4	6760.5
20°	1384.0	1447.9	1586.3	1863.1	2289.0	2821.3	3460.1	4322.5	5610.7	6377.2	7143.8
22.5°	1213.7	1235.0	1298.9	1447.9	1799.3	2363.5	3130.1	4141.5	5749.1	6739.2	7771.9
25°	1096.6	1117.9	1139.2	1235.0	1437.3	1969.6	2842.6	4035.0	6047.2	7271.5	8495.9
27.5°	1022.1	1043.4	1054.0	1096.6	1235.0	1682.1	2597.7	3971.1	6451.7	8048.7	9390.2
30°	958.2	958.2	990.1	1054.0	1149.8	1479.9	2384.8	3822.1	6877.6	8698.1	10092.8
32.5°	904.9	915.6	958.2	990.1	1054.0	1309.5	2171.9	3630.4	7260.9	9230.5	10784.9
35°	809.1	809.1	819.8	873.0	958.2	1171.1	1980.2	3438.8	7473.8	9752.1	11402.3
37.5°	745.3	755.9	777.2	819.8	894.3	1075.3	1820.5	3225.9	7697.4	10241.9	12126.3
40°	702.7	713.3	734.6	777.2	851.7	990.1	1682.1	3055.5	7931.6	10774.2	12903.5
42.5°	670.7	681.4	702.7	745.3	809.1	968.8	1533.1	2917.1	8070.0	11263.9	13638.1
45°	638.8	649.4	681.4	724.0	777.2	947.5	1447.9	2821.3	8123.2	11594.0	14223.7
47.5°	606.8	617.5	649.4	713.3	777.2	915.6	1416.0	2768.1	8165.8	11966.6	14692.1
50°	574.9	596.2	638.8	702.7	787.8	873.0	1394.7	2757.4	8410.7	12445.7	15139.3
52.5°	553.6	585.6	628.1	702.7	777.2	809.1	1384.0	2789.4	8900.4	13159.0	15778.0
55°	532.3	564.3	606.8	702.7	745.3	755.9	1330.8	2842.6	9645.7	14149.1	16683.0
57.5°	511.0	532.3	585.6	681.4	702.7	713.3	1224.3	2917.1	10390.9	15118.0	17609.2
60°	479.1	500.4	553.6	681.4	638.8	670.7	1085.9	2938.4	10923.3	15426.7	17694.4
62.5°	447.2	468.4	521.7	702.7	585.6	628.1	968.8	2863.9	11029.7	14979.6	17215.3
65°	415.2	436.5	479.1	585.6	543.0	585.6	894.3	2661.6	10678.4	13957.5	16342.3
67.5°	383.3	404.6	436.5	479.1	489.7	532.3	862.4	2342.2	9794.7	12690.6	15149.9
70°	340.7	362.0	393.9	425.9	436.5	500.4	809.1	2033.5	8368.1	10997.8	13691.3
72.5°	308.7	319.4	351.3	372.6	393.9	457.8	777.2	1778.0	6398.5	8900.4	11168.1
75°	266.2	266.2	298.1	319.4	340.7	404.6	713.3	1479.9	4514.1	6792.4	8208.4
77.5°	223.6	223.6	244.9	266.2	287.5	351.3	606.8	1203.0	3130.1	5387.1	5951.4
80°	170.3	170.3	191.6	212.9	234.2	298.1	489.7	883.7	1937.7	3939.2	4333.1
82.5°	117.1	117.1	149.1	159.7	170.3	234.2	372.6	606.8	1139.2	2842.6	3098.1
85°	63.9	63.9	85.2	95.8	117.1	170.3	276.8	425.9	681.4	2054.8	2065.4
87.5°	10.6	10.6	31.9	31.9	53.2	85.2	159.7	234.2	383.3	1139.2	724.0
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: P598816  
 CATALOG NUMBER: IFLD-L-SA8B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6	7601.6
2.5°	8314.9	8432.0	8442.6	8442.6	8389.4	8400.0	8251.0	8091.3	8038.1	8027.4
5°	8751.4	9060.1	9145.3	9187.9	9049.5	8836.6	8453.3	8038.1	7825.1	7793.2
7.5°	8666.2	9283.7	9613.7	9656.3	9379.5	8879.1	8208.4	7569.6	7324.8	7260.9
10°	8165.8	8996.3	9592.5	9741.5	9443.4	8804.6	7931.6	7186.4	6888.3	6835.0
12.5°	7814.5	8613.0	9198.5	9400.8	9262.4	8708.8	7793.2	6941.5	6643.4	6568.9
15°	7622.9	8357.5	8740.7	8804.6	8794.0	8559.7	7793.2	6994.7	6664.7	6579.5
17.5°	7782.6	8282.9	8336.2	8187.1	8272.3	8389.4	7963.5	7282.2	6962.8	6888.3
20°	8101.9	8251.0	7995.5	7771.9	7814.5	8187.1	8229.7	7825.1	7569.6	7441.9
22.5°	8772.7	8368.1	7782.6	7473.8	7505.7	8027.4	8581.0	8559.7	8336.2	8272.3
25°	9454.0	8698.1	7718.7	7356.7	7399.3	7995.5	8996.3	9379.5	9262.4	9230.5
27.5°	10209.9	9251.8	7761.3	7303.5	7356.7	8038.1	9283.7	10071.5	10092.8	10060.9
30°	10721.0	9517.9	7889.0	7367.3	7441.9	8144.5	9347.6	10486.8	10678.4	10689.0
32.5°	11146.8	9784.1	8155.2	7473.8	7601.6	8336.2	9517.9	10880.7	11306.5	11317.2
35°	11487.5	10082.2	8485.2	7665.4	7857.1	8655.6	9741.5	11253.3	11892.1	11966.6
37.5°	11924.0	10412.2	8868.5	8080.7	8293.6	9113.4	10135.4	11689.8	12584.1	12786.4
40°	12392.5	10742.3	9422.1	8751.4	9060.1	9794.7	10582.6	12179.5	13169.7	13446.5
42.5°	12914.1	11093.6	10050.2	9656.3	10124.8	10657.1	11093.6	12626.7	13616.8	13936.2
45°	13425.2	11519.5	10965.8	10891.3	11413.0	11679.2	11594.0	12946.1	14042.7	14362.1
47.5°	13787.2	12137.0	12073.1	12520.2	13010.0	12871.6	12179.5	13180.3	14394.0	14745.3
50°	14117.2	12903.5	13467.8	14340.8	14638.9	14170.4	12807.7	13499.7	14766.6	15160.5
52.5°	14606.9	13723.3	14905.0	15991.0	16278.4	15533.2	13489.1	14021.4	15341.5	15692.9
55°	15607.7	14649.5	16406.2	17651.8	17705.0	16778.8	14404.6	14905.0	16150.7	16555.2
57.5°	16725.6	15788.7	17598.6	19025.2	19003.9	18024.4	15437.4	16097.4	17247.2	17524.1
60°	17737.0	16938.5	18897.4	20004.7	19951.4	18929.4	16640.4	17449.5	18503.5	18716.5
62.5°	18333.2	17981.9	19472.4	20313.4	20111.1	19227.5	17662.5	18652.6	19397.8	19472.4
65°	18237.4	18578.1	18801.6	19323.3	19035.9	18397.1	18162.8	19419.1	19493.6	19419.1
67.5°	17513.4	18237.4	16959.8	17013.0	16864.0	16321.0	17385.7	19216.8	18705.8	18524.8
70°	16416.8	16470.1	14181.1	13510.3	13744.6	12999.3	14915.7	17641.2	16853.3	16629.8
72.5°	14596.3	13936.2	10721.0	10039.6	10390.9	9858.6	11966.6	15373.5	14606.9	13883.0
75°	12243.4	11040.4	8165.8	7197.0	7378.0	7356.7	9273.1	12701.2	11317.2	10593.2
77.5°	9486.0	8602.3	6025.9	5653.3	5461.6	5504.2	6473.0	9443.4	8208.4	7303.5
80°	6930.8	6015.2	4663.1	4876.1	4769.6	4514.1	4535.4	6324.0	5706.5	5163.5
82.5°	4790.9	4279.9	3779.5	4269.2	4013.7	3619.8	3534.6	4556.7	4279.9	3949.8
85°	3215.2	3524.0	3002.3	3268.5	2832.0	2608.4	3321.7	3811.4	3076.8	2746.8
87.5°	2097.4	3225.9	2161.2	1639.6	936.9	1256.3	2033.5	2501.9	1437.3	777.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)