

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: P598817

Luminaire Tested: **IFLD-L-SA8C-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: P598817  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8C-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**

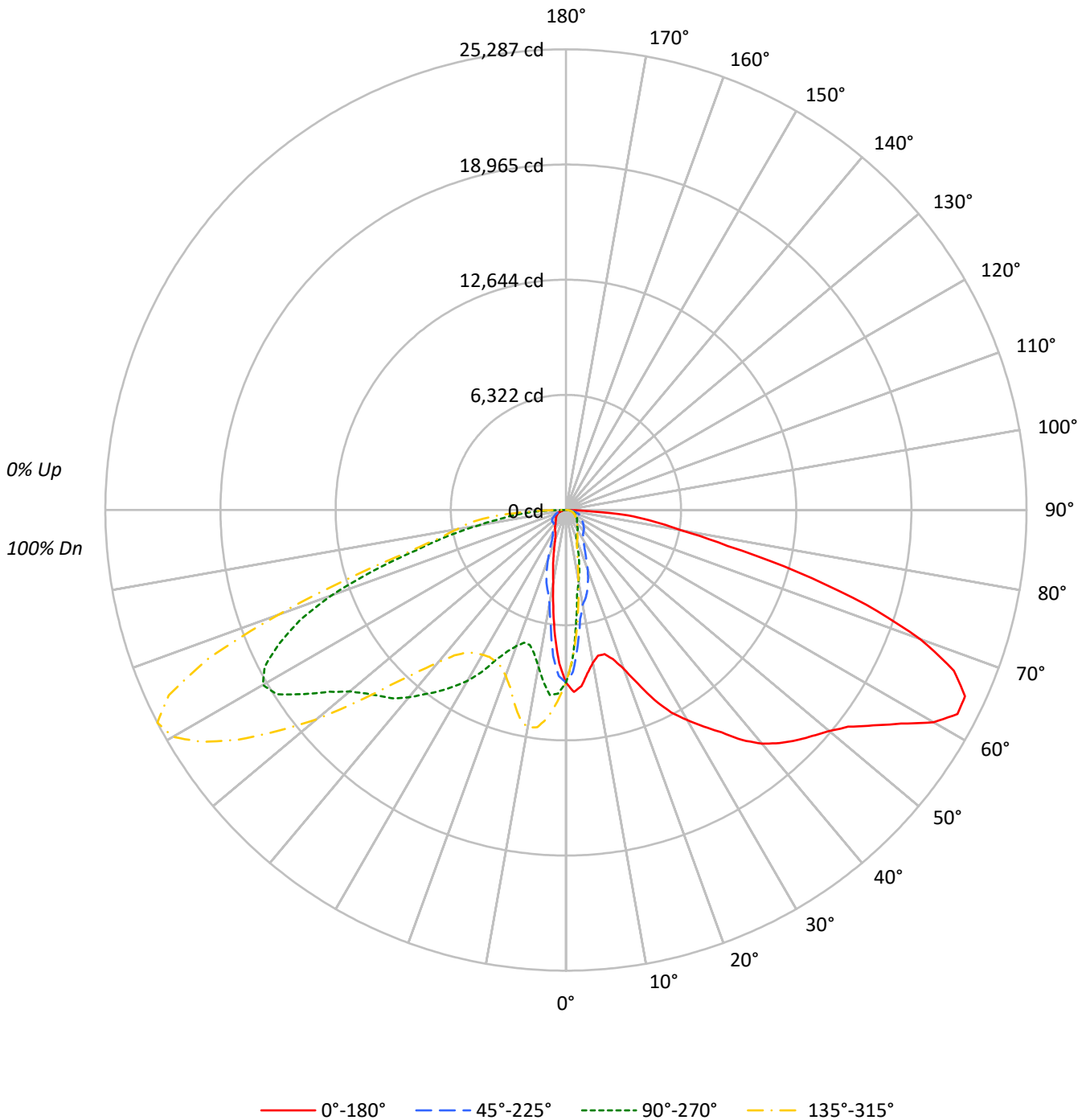
Lumens per Lamp: N/A  
 Luminaire Lumens: 31678.2 lumens  
 Efficiency: N/A  
 Efficacy: 75.4 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 420.3  
 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



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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°	50928	50928	50928	50928
5°	52412	34082	37233	55061
10°	46499	21656	21874	47586
15°	45636	15360	14547	42682
20°	53058	9716	9792	45468
25°	68235	8342	8106	53754
30°	82693	7907	7413	67291
35°	97874	6966	6705	79762
40°	117602	6611	6145	94230
45°	136079	6557	5951	109851
50°	158018	6658	5992	129721
55°	193377	6839	6093	165271
60°	250792	6848	6420	206710
65°	307851	6920	6583	221268
70°	325756	7300	6883	215432
75°	274214	7717	6889	175828
80°	199220	9038	6983	151983
85°	211145	13097	5730	157953

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	732.4	2.3
10°-20°	1532.7	4.8
20°-30°	2208.8	7.0
30°-40°	3179.7	10.0
40°-50°	4516.6	14.3
50°-60°	6493.6	20.5
60°-70°	7502.2	23.7
70°-80°	4247.9	13.4
80°-90°	1264.2	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°	4473.8	14.1
0°-40°	7653.6	24.2
0°-60°	18663.8	58.9
0°-90°	31678.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31678.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9463	9463	9463	9463	9463	
5°	9701	6309	6892	10192	9701	880
15°	8190	2757	2611	7660	8190	2408
25°	11491	1405	1365	9052	11491	5333
35°	14897	1060	1020	12140	14897	9454
45°	17879	862	782	14433	17879	13844
55°	20609	729	649	17614	20609	18664
65°	24174	543	517	17375	24174	23181
75°	13187	371	331	8456	13187	13992
85°	3419	212	93	2558	3419	3405
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°	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8
2.5°	9993.0	9979.7	9900.2	9648.4	9383.3	9131.5	8893.0	8641.1	8508.6	8349.6	8283.3
5°	9701.4	9674.9	9449.6	8893.0	8402.6	7872.5	7421.8	7064.0	6772.4	6480.9	6374.8
7.5°	9038.7	8999.0	8733.9	7965.2	7249.5	6560.4	6017.0	5553.1	5168.8	4996.5	4797.7
10°	8508.6	8442.3	8097.8	7249.5	6321.8	5632.6	5274.8	4956.7	4625.4	4347.1	4055.5
12.5°	8177.3	8097.8	7739.9	6745.9	5844.7	5327.8	4956.7	4598.9	4188.0	3843.5	3525.4
15°	8190.5	8097.8	7660.4	6613.4	5725.4	5062.8	4545.9	4055.5	3578.4	3194.0	2836.2
17.5°	8574.9	8455.6	7991.7	6798.9	5632.6	4718.2	4029.0	3392.8	2849.5	2438.6	2147.0
20°	9264.0	9184.5	8654.4	7077.3	5539.9	4347.1	3498.9	2730.2	2160.3	1842.2	1722.9
22.5°	10297.8	10205.0	9635.1	7501.4	5513.4	4015.7	2929.0	2147.0	1736.2	1603.6	1537.4
25°	11490.6	11318.3	10788.2	8217.0	5566.4	3710.9	2465.1	1775.9	1550.6	1457.9	1418.1
27.5°	12524.4	12418.3	11821.9	8893.0	5592.9	3472.4	2147.0	1616.9	1444.6	1365.1	1338.6
30°	13306.3	13266.5	12683.4	9635.1	5526.6	3180.8	1948.2	1550.6	1444.6	1365.1	1285.6
32.5°	14088.2	14101.5	13478.6	10205.0	5433.8	2929.0	1762.7	1378.3	1272.3	1219.3	1232.6
35°	14896.7	14963.0	14432.8	10761.7	5235.0	2836.2	1630.2	1285.6	1192.8	1113.3	1073.5
37.5°	15917.2	16089.5	15572.6	11384.6	5036.3	2756.7	1563.9	1219.3	1126.5	1060.3	1007.3
40°	16738.9	17057.0	16752.2	11967.7	4903.7	2663.9	1510.9	1153.0	1086.8	1007.3	967.5
42.5°	17348.6	17719.6	17613.6	12418.3	4903.7	2571.1	1457.9	1113.3	1060.3	967.5	914.5
45°	17878.7	18263.0	18249.8	12882.2	5009.7	2518.1	1391.6	1113.3	1033.8	941.0	888.0
47.5°	18355.8	18740.2	18872.7	13465.3	5182.0	2491.6	1312.1	1086.8	1033.8	927.7	848.2
50°	18872.7	19296.8	19694.4	14393.1	5394.1	2425.4	1259.1	1047.0	1047.0	914.5	821.7
52.5°	19535.3	20012.5	20741.4	15546.1	5606.1	2306.1	1179.5	1020.5	1047.0	901.2	795.2
55°	20608.9	21006.5	21960.7	16924.5	5871.2	2160.3	1113.3	954.2	994.0	861.5	755.4
57.5°	21814.9	22159.5	22954.7	17984.7	5950.7	1974.7	1020.5	888.0	954.2	821.7	702.4
60°	23299.3	23471.6	23471.6	18289.5	5685.7	1802.4	954.2	835.0	861.5	781.9	662.7
62.5°	24240.3	24240.3	23471.6	17732.9	5182.0	1656.7	901.2	781.9	755.4	728.9	622.9
65°	24174.0	24068.0	22928.2	16116.0	4598.9	1563.9	848.2	715.7	675.9	662.7	583.1
67.5°	23060.7	22875.2	21324.5	13836.4	3989.2	1524.1	795.2	649.4	622.9	596.4	530.1
70°	20701.6	20224.5	18316.0	11132.8	3392.8	1497.6	781.9	596.4	569.9	543.4	490.4
72.5°	17282.3	16672.6	14300.3	8561.6	2849.5	1404.8	742.2	530.1	516.9	490.4	437.4
75°	13187.0	12060.5	9979.7	6547.1	2213.3	1219.3	636.2	463.9	463.9	450.6	397.6
77.5°	9091.8	8508.6	6958.0	4837.5	1616.9	941.0	516.9	410.9	410.9	424.1	371.1
80°	6427.8	5884.5	4956.7	3472.4	1020.5	636.2	397.6	344.6	384.3	410.9	344.6
82.5°	4917.0	4519.4	3684.4	2531.4	596.4	437.4	304.8	278.3	331.3	357.8	291.6
85°	3419.3	2942.2	1868.7	1696.4	344.6	265.1	225.3	225.3	291.6	357.8	265.1
87.5°	967.5	410.9	119.3	503.6	145.8	106.0	79.5	53.0	79.5	79.5	53.0
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°	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8
2.5°	8217.0	8137.5	8137.5	8111.0	8124.3	8137.5	8124.3	8217.0	8256.8	8309.8	8415.8
5°	6308.6	6414.6	6335.1	6414.6	6520.6	6679.7	6719.4	6838.7	6852.0	6944.7	6891.7
7.5°	4678.4	4665.2	4598.9	4691.7	4983.2	5208.5	5314.6	5380.8	5394.1	5394.1	5327.8
10°	3962.7	3843.5	3724.2	3657.9	3684.4	3923.0	4002.5	4042.3	4015.7	4055.5	4002.5
12.5°	3392.8	3286.8	3114.5	2995.2	2915.7	2982.0	3061.5	3101.3	3127.8	3194.0	3247.1
15°	2756.7	2650.7	2544.6	2478.4	2412.1	2359.1	2425.4	2465.1	2531.4	2584.4	2610.9
17.5°	2094.0	2041.0	1988.0	2027.8	2027.8	2001.2	2027.8	2041.0	2067.5	2107.3	2094.0
20°	1696.4	1683.2	1669.9	1736.2	1789.2	1789.2	1815.7	1775.9	1762.7	1722.9	1709.7
22.5°	1510.9	1510.9	1524.1	1577.1	1630.2	1656.7	1656.7	1590.4	1524.1	1497.6	1510.9
25°	1404.8	1404.8	1444.6	1457.9	1484.4	1484.4	1497.6	1431.4	1391.6	1351.8	1365.1
27.5°	1325.3	1325.3	1338.6	1338.6	1351.8	1351.8	1365.1	1338.6	1285.6	1272.3	1272.3
30°	1272.3	1272.3	1259.1	1259.1	1259.1	1259.1	1272.3	1232.6	1206.0	1192.8	1192.8
32.5°	1219.3	1206.0	1192.8	1192.8	1179.5	1179.5	1192.8	1153.0	1139.8	1139.8	1139.8
35°	1060.3	1047.0	1060.3	1086.8	1086.8	1100.0	1100.0	1086.8	1060.3	1033.8	1020.5
37.5°	994.0	980.7	980.7	980.7	1007.3	1020.5	1033.8	1007.3	967.5	927.7	927.7
40°	941.0	941.0	927.7	927.7	927.7	954.2	980.7	941.0	888.0	874.7	874.7
42.5°	901.2	888.0	874.7	861.5	848.2	888.0	914.5	861.5	835.0	835.0	835.0
45°	861.5	848.2	835.0	821.7	808.5	821.7	848.2	795.2	781.9	781.9	781.9
47.5°	821.7	808.5	781.9	768.7	755.4	755.4	781.9	742.2	728.9	742.2	742.2
50°	795.2	768.7	742.2	728.9	715.7	715.7	715.7	702.4	702.4	702.4	715.7
52.5°	768.7	742.2	702.4	689.2	675.9	675.9	675.9	675.9	662.7	675.9	689.2
55°	728.9	702.4	675.9	662.7	649.4	636.2	649.4	636.2	636.2	649.4	649.4
57.5°	675.9	649.4	622.9	622.9	609.7	609.7	622.9	609.7	609.7	622.9	622.9
60°	636.2	609.7	583.1	583.1	569.9	583.1	596.4	583.1	583.1	583.1	596.4
62.5°	583.1	569.9	543.4	543.4	543.4	543.4	556.6	543.4	556.6	556.6	556.6
65°	543.4	516.9	503.6	503.6	503.6	503.6	530.1	503.6	516.9	516.9	516.9
67.5°	503.6	477.1	463.9	463.9	463.9	463.9	490.4	463.9	477.1	490.4	477.1
70°	463.9	437.4	424.1	424.1	424.1	424.1	437.4	424.1	424.1	437.4	437.4
72.5°	410.9	397.6	384.3	384.3	371.1	384.3	397.6	384.3	384.3	384.3	384.3
75°	371.1	357.8	357.8	344.6	344.6	344.6	357.8	331.3	331.3	331.3	331.3
77.5°	344.6	318.1	318.1	318.1	304.8	318.1	304.8	278.3	278.3	278.3	278.3
80°	291.6	265.1	278.3	278.3	265.1	265.1	251.8	225.3	225.3	225.3	225.3
82.5°	238.6	212.1	225.3	225.3	225.3	225.3	198.8	185.5	172.3	159.0	159.0
85°	212.1	172.3	198.8	198.8	185.5	185.5	132.5	132.5	106.0	106.0	92.8
87.5°	39.8	26.5	53.0	66.3	66.3	79.5	53.0	66.3	39.8	26.5	26.5
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°	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8
2.5°	8402.6	8548.4	8747.2	8893.0	9118.3	9290.6	9555.6	9780.9	9993.0	10085.8	10178.5
5°	7050.8	7143.5	7448.3	7686.9	8044.7	8429.1	8906.2	9423.1	9953.2	10191.8	10470.1
7.5°	5274.8	5447.1	5619.4	5964.0	6401.3	7024.2	7633.9	8402.6	9144.8	9502.6	9979.7
10°	4095.3	4227.8	4426.6	4784.4	5195.3	5712.2	6441.1	7355.6	8243.5	8707.4	9197.8
12.5°	3286.8	3472.4	3737.4	4108.5	4585.6	5115.8	5645.9	6494.1	7527.9	8058.0	8614.6
15°	2663.9	2809.7	3101.3	3565.1	4121.8	4665.2	5221.8	5924.2	7050.8	7660.4	8323.1
17.5°	2120.5	2226.6	2491.6	2955.5	3512.1	4121.8	4757.9	5645.9	6891.7	7633.9	8415.8
20°	1722.9	1802.4	1974.7	2319.3	2849.5	3512.1	4307.3	5380.8	6984.5	7938.7	8893.0
22.5°	1510.9	1537.4	1616.9	1802.4	2239.8	2942.2	3896.5	5155.5	7156.8	8389.3	9674.9
25°	1365.1	1391.6	1418.1	1537.4	1789.2	2451.9	3538.6	5023.0	7527.9	9052.0	10576.1
27.5°	1272.3	1298.8	1312.1	1365.1	1537.4	2094.0	3233.8	4943.5	8031.5	10019.5	11689.4
30°	1192.8	1192.8	1232.6	1312.1	1431.4	1842.2	2968.7	4757.9	8561.6	10827.9	12564.1
32.5°	1126.5	1139.8	1192.8	1232.6	1312.1	1630.2	2703.7	4519.4	9038.7	11490.6	13425.6
35°	1007.3	1007.3	1020.5	1086.8	1192.8	1457.9	2465.1	4280.8	9303.8	12140.0	14194.3
37.5°	927.7	941.0	967.5	1020.5	1113.3	1338.6	2266.3	4015.7	9582.1	12749.7	15095.5
40°	874.7	888.0	914.5	967.5	1060.3	1232.6	2094.0	3803.7	9873.7	13412.3	16063.0
42.5°	835.0	848.2	874.7	927.7	1007.3	1206.0	1908.5	3631.4	10046.0	14022.0	16977.5
45°	795.2	808.5	848.2	901.2	967.5	1179.5	1802.4	3512.1	10112.3	14432.8	17706.4
47.5°	755.4	768.7	808.5	888.0	967.5	1139.8	1762.7	3445.9	10165.3	14896.7	18289.5
50°	715.7	742.2	795.2	874.7	980.7	1086.8	1736.2	3432.6	10470.1	15493.1	18846.2
52.5°	689.2	728.9	781.9	874.7	967.5	1007.3	1722.9	3472.4	11079.8	16381.1	19641.4
55°	662.7	702.4	755.4	874.7	927.7	941.0	1656.7	3538.6	12007.5	17613.6	20767.9
57.5°	636.2	662.7	728.9	848.2	874.7	888.0	1524.1	3631.4	12935.2	18819.7	21920.9
60°	596.4	622.9	689.2	848.2	795.2	835.0	1351.8	3657.9	13597.9	19204.0	22027.0
62.5°	556.6	583.1	649.4	874.7	728.9	781.9	1206.0	3565.1	13730.4	18647.4	21430.6
65°	516.9	543.4	596.4	728.9	675.9	728.9	1113.3	3313.3	13293.1	17375.1	20343.8
67.5°	477.1	503.6	543.4	596.4	609.7	662.7	1073.5	2915.7	12193.0	15797.9	18859.4
70°	424.1	450.6	490.4	530.1	543.4	622.9	1007.3	2531.4	10417.1	13690.6	17043.7
72.5°	384.3	397.6	437.4	463.9	490.4	569.9	967.5	2213.3	7965.2	11079.8	13902.7
75°	331.3	331.3	371.1	397.6	424.1	503.6	888.0	1842.2	5619.4	8455.6	10218.3
77.5°	278.3	278.3	304.8	331.3	357.8	437.4	755.4	1497.6	3896.5	6706.2	7408.6
80°	212.1	212.1	238.6	265.1	291.6	371.1	609.7	1100.0	2412.1	4903.7	5394.1
82.5°	145.8	145.8	185.5	198.8	212.1	291.6	463.9	755.4	1418.1	3538.6	3856.7
85°	79.5	79.5	106.0	119.3	145.8	212.1	344.6	530.1	848.2	2557.9	2571.1
87.5°	13.3	13.3	39.8	39.8	66.3	106.0	198.8	291.6	477.1	1418.1	901.2
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: P598817  
 CATALOG NUMBER: IFLD-L-SA8C-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8	9462.8
2.5°	10350.8	10496.6	10509.9	10509.9	10443.6	10456.8	10271.3	10072.5	10006.2	9993.0
5°	10894.2	11278.6	11384.6	11437.6	11265.3	11000.2	10523.1	10006.2	9741.2	9701.4
7.5°	10788.2	11556.9	11967.7	12020.7	11676.1	11053.2	10218.3	9423.1	9118.3	9038.7
10°	10165.3	11199.0	11941.2	12126.8	11755.7	10960.5	9873.7	8946.0	8574.9	8508.6
12.5°	9727.9	10721.9	11450.8	11702.7	11530.4	10841.2	9701.4	8641.1	8270.1	8177.3
15°	9489.4	10403.8	10881.0	10960.5	10947.2	10655.6	9701.4	8707.4	8296.6	8190.5
17.5°	9688.2	10311.1	10377.3	10191.8	10297.8	10443.6	9913.5	9065.3	8667.7	8574.9
20°	10085.8	10271.3	9953.2	9674.9	9727.9	10191.8	10244.8	9741.2	9423.1	9264.0
22.5°	10920.7	10417.1	9688.2	9303.8	9343.6	9993.0	10682.2	10655.6	10377.3	10297.8
25°	11768.9	10827.9	9608.6	9158.0	9211.0	9953.2	11199.0	11676.1	11530.4	11490.6
27.5°	12709.9	11517.1	9661.6	9091.8	9158.0	10006.2	11556.9	12537.6	12564.1	12524.4
30°	13346.1	11848.4	9820.7	9171.3	9264.0	10138.8	11636.4	13054.5	13293.1	13306.3
32.5°	13876.2	12179.8	10152.0	9303.8	9462.8	10377.3	11848.4	13544.9	14075.0	14088.2
35°	14300.3	12550.9	10562.9	9542.4	9780.9	10774.9	12126.8	14008.7	14803.9	14896.7
37.5°	14843.7	12961.7	11040.0	10059.2	10324.3	11344.8	12617.1	14552.1	15665.4	15917.2
40°	15426.8	13372.6	11729.2	10894.2	11278.6	12193.0	13173.8	15161.8	16394.3	16738.9
42.5°	16076.2	13809.9	12511.1	12020.7	12603.9	13266.5	13809.9	15718.4	16951.0	17348.6
45°	16712.4	14340.1	13650.9	13558.1	14207.5	14538.9	14432.8	16116.0	17481.1	17878.7
47.5°	17163.0	15108.8	15029.2	15585.9	16195.5	16023.2	15161.8	16407.6	17918.4	18355.8
50°	17573.9	16063.0	16765.4	17852.2	18223.3	17640.1	15943.7	16805.2	18382.3	18872.7
52.5°	18183.5	17083.5	18554.6	19906.4	20264.3	19336.6	16791.9	17454.6	19098.0	19535.3
55°	19429.3	18236.5	20423.3	21974.0	22040.2	20887.2	17931.7	18554.6	20105.2	20608.9
57.5°	20820.9	19654.6	21907.7	23683.6	23657.1	22437.8	19217.3	20039.0	21470.3	21814.9
60°	22080.0	21086.0	23524.6	24902.9	24836.7	23564.4	20714.9	21722.1	23034.2	23299.3
62.5°	22822.2	22384.8	24240.3	25287.3	25035.5	23935.4	21987.2	23219.8	24147.5	24240.3
65°	22702.9	23127.0	23405.3	24054.7	23696.9	22901.7	22610.1	24174.0	24266.8	24174.0
67.5°	21801.7	22702.9	21112.5	21178.8	20993.2	20317.3	21642.6	23922.2	23286.0	23060.7
70°	20436.6	20502.8	17653.4	16818.4	17110.0	16182.3	18567.9	21960.7	20980.0	20701.6
72.5°	18170.3	17348.6	13346.1	12497.9	12935.2	12272.5	14896.7	19137.8	18183.5	17282.3
75°	15241.3	13743.7	10165.3	8959.2	9184.5	9158.0	11543.6	15811.2	14088.2	13187.0
77.5°	11808.7	10708.7	7501.4	7037.5	6798.9	6852.0	8058.0	11755.7	10218.3	9091.8
80°	8627.9	7488.1	5804.9	6070.0	5937.5	5619.4	5645.9	7872.5	7103.8	6427.8
82.5°	5964.0	5327.8	4704.9	5314.6	4996.5	4506.1	4400.1	5672.4	5327.8	4917.0
85°	4002.5	4386.8	3737.4	4068.8	3525.4	3247.1	4135.0	4744.7	3830.2	3419.3
87.5°	2610.9	4015.7	2690.4	2041.0	1166.3	1563.9	2531.4	3114.5	1789.2	967.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)