

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: P599074

Luminaire Tested: **IFLD-L-SA7D-827-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599074  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7D-827-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (112) 2700K CCT, 80 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

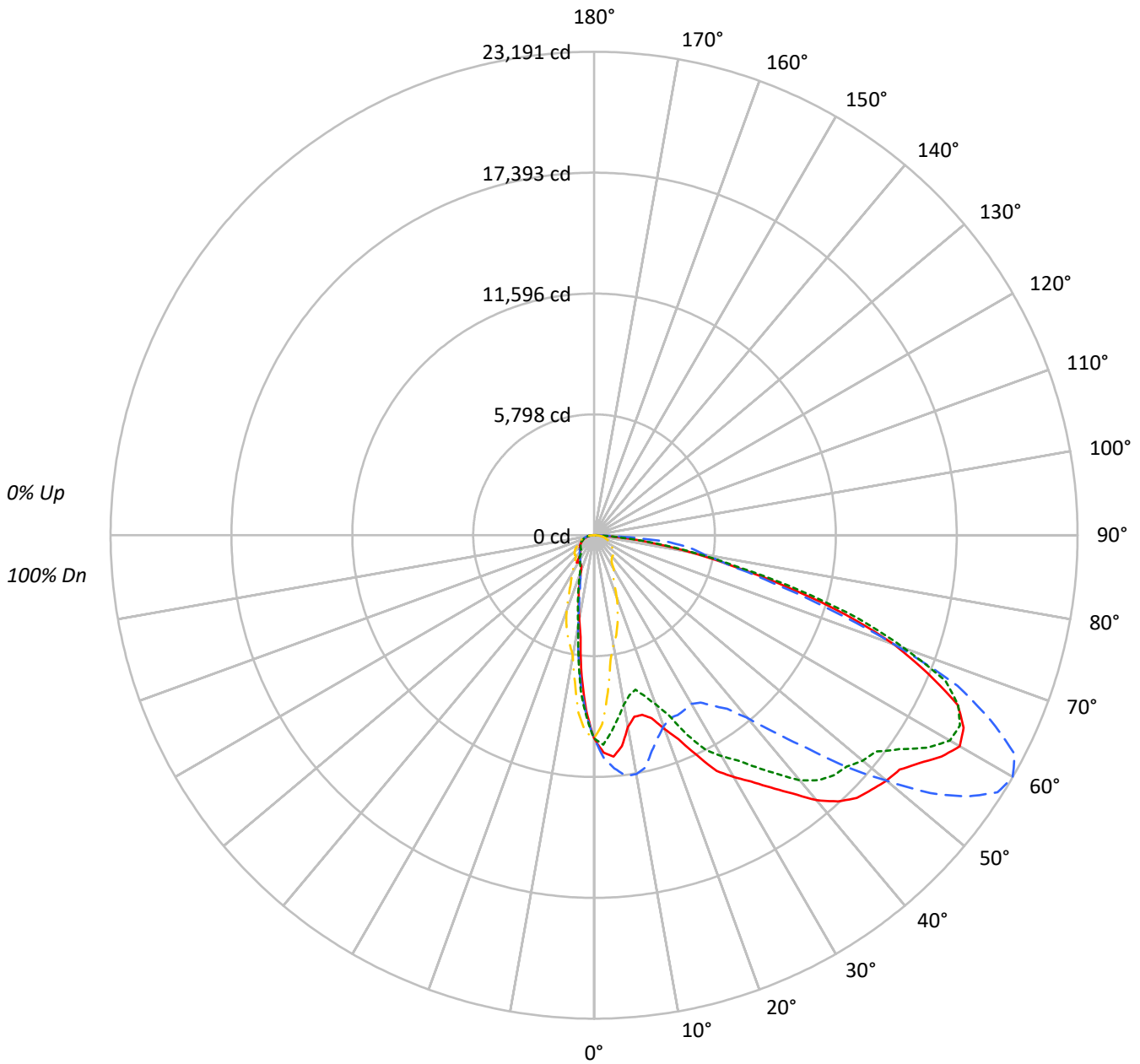
Lumens per Lamp: N/A  
 Luminaire Lumens: 30500.5 lumens  
 Efficiency: N/A  
 Efficacy: 72.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 422.6  
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15

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

	0°	90°	180°	270°
0°	52429	52429	52429	52429
5°	57600	51168	36694	40057
10°	51020	45030	22257	23883
15°	49681	42745	15756	16359
20°	56646	49440	10306	11391
25°	69018	62670	8999	9320
30°	83159	76011	9333	8661
35°	96985	89251	7734	7290
40°	116541	107796	7224	6844
45°	135626	123886	7311	6797
50°	153276	140814	7477	7024
55°	178753	167835	7744	7363
60°	218019	212048	7719	7719
65°	245015	245360	7926	8270
70°	240799	249315	8304	8516
75°	198633	211856	8721	9285
80°	143416	150545	9645	10064
85°	79375	85223	10862	13369

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	756.8	2.5
10°-20°	1597.8	5.2
20°-30°	2337.8	7.7
30°-40°	3293.9	10.8
40°-50°	4526.8	14.8
50°-60°	6169.5	20.2
60°-70°	6752.2	22.1
70°-80°	3898.3	12.8
80°-90°	1167.4	3.8
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°	4692.5	15.4
0°-40°	7986.4	26.2
0°-60°	18682.6	61.3
0°-90°	30500.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30500.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9742	9742	9742	9742	9742	
5°	10662	9471	6792	7414	10662	968
15°	8916	7672	2828	2936	8916	2605
25°	11622	10554	1515	1570	11622	5442
35°	14761	13584	1177	1110	14761	9360
45°	17819	16277	961	893	17819	13695
55°	19050	17887	825	785	19050	17189
65°	19240	19267	622	649	19240	18415
75°	9552	10188	419	446	9552	10261
85°	1285	1380	176	216	1285	1783
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°	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7
2.5°	10431.7	10391.1	10431.7	10580.6	10621.2	10688.8	10688.8	10594.1	10418.2	10337.0	10201.7
5°	10661.7	10594.1	10932.3	11243.5	11487.1	11460.0	11230.0	11040.6	10688.8	10161.1	9660.5
7.5°	10201.7	10269.4	10512.9	11324.7	11893.0	12001.2	11635.9	11257.1	10499.4	9768.8	9092.2
10°	9335.8	9430.5	9958.2	10797.0	11690.0	11865.9	11635.9	11175.9	10269.4	9362.9	8578.1
12.5°	8916.4	9132.8	9444.0	10458.8	11094.7	11514.1	11405.9	11108.2	10093.5	9024.6	8266.9
15°	8916.4	8970.5	9430.5	10282.9	10648.2	10661.7	10702.3	10756.5	10147.6	9173.4	8158.7
17.5°	9200.5	9349.3	9741.7	10269.4	10337.0	10174.7	10174.7	10404.7	10255.8	9592.9	8551.0
20°	9890.5	9836.4	10350.5	10567.0	10201.7	9795.8	9755.2	10147.6	10377.6	10039.4	9268.1
22.5°	10580.6	10824.1	11243.5	10756.5	10079.9	9538.7	9484.6	9971.7	10742.9	10810.6	10093.5
25°	11622.4	11865.9	12082.4	11487.1	10066.4	9471.1	9511.7	9890.5	11189.4	11906.5	11473.6
27.5°	12745.4	12894.2	13205.4	12285.4	10391.1	9389.9	9430.5	9998.8	11608.9	12623.6	12556.0
30°	13381.3	13543.7	13476.0	12434.2	10607.6	9444.0	9335.8	10147.6	11378.8	12623.6	13259.5
32.5°	14003.7	13909.0	13868.4	12677.7	10878.2	9782.3	9511.7	10458.8	11514.1	12826.6	14166.0
35°	14761.4	14626.1	14517.8	13151.3	11324.7	10107.0	9985.2	10864.7	11811.8	13246.0	14896.7
37.5°	15600.2	15600.2	15072.6	13503.1	11852.4	10634.7	10499.4	11446.5	12285.4	13503.1	15897.9
40°	16587.9	16628.5	15695.0	13976.6	12447.7	11473.6	11433.0	12204.2	12745.4	13881.9	16858.5
42.5°	17318.6	17345.6	16236.2	14152.5	13137.8	12637.1	12813.0	13421.9	13273.1	14220.2	16926.2
45°	17819.2	17683.9	16615.0	14653.1	13895.4	14382.5	14436.6	14612.5	13963.1	14423.1	17196.8
47.5°	18062.7	18035.7	16777.4	15234.9	15492.0	16155.0	16466.2	16222.6	14599.0	14206.6	17196.8
50°	18306.3	18076.3	16926.2	16033.2	17048.0	18387.4	18319.8	17873.3	15478.5	14477.2	16939.7
52.5°	18468.6	18265.7	17223.9	16750.3	18536.3	20051.7	20322.3	19496.9	16506.8	14977.9	17061.5
55°	19050.4	18888.1	18116.8	17724.5	20254.6	21810.6	21851.2	20701.1	17589.2	15803.2	17859.8
57.5°	19754.0	19848.7	19348.1	19104.5	21567.0	23095.9	22947.1	21594.1	18509.2	16804.4	18779.8
60°	20254.6	20403.4	20281.7	20308.7	22216.5	23528.9	23190.6	22148.8	19185.7	17562.1	19902.8
62.5°	19984.0	20281.7	20782.3	20674.0	22243.5	23217.7	22744.1	21418.2	19266.9	18549.8	20755.2
65°	19239.8	19266.9	20241.1	20836.4	21025.8	21607.6	20985.2	19889.3	18428.0	19158.7	20633.4
67.5°	17332.1	17548.6	18428.0	19591.6	18793.4	18928.7	18874.5	17291.5	17156.2	18739.2	19699.9
70°	15302.6	15451.4	16412.0	17778.6	15870.8	15234.9	15356.7	14179.6	14734.3	17440.3	17819.2
72.5°	12650.7	12745.4	13841.3	15045.5	12731.9	11595.3	11879.5	10918.8	11703.6	15262.0	15032.0
75°	9552.3	9728.2	10580.6	12001.2	9376.4	8645.8	8929.9	8537.5	9268.1	12569.5	11663.0
77.5°	6792.1	6656.8	7712.2	9389.9	7049.2	6616.2	6643.3	6710.9	7495.7	10594.1	8375.2
80°	4627.3	4667.9	5615.0	6886.8	5533.8	5466.2	5398.5	5939.7	6291.5	8388.7	6088.6
82.5°	2746.6	2746.6	3788.4	4897.9	4370.2	4925.0	4613.8	5100.9	4925.0	6169.7	3991.4
85°	1285.4	1285.4	1948.3	3531.4	3382.5	4059.0	3450.2	3856.1	3639.6	4302.6	1799.5
87.5°	216.5	189.4	392.4	1731.9	1393.6	1583.0	622.4	2056.6	2286.6	3003.7	446.5
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7
2.5°	10052.9	9958.2	9768.8	9525.2	9322.3	9065.2	8984.0	8808.1	8564.6	8537.5	8429.3
5°	9471.1	9146.4	8740.5	8239.8	7901.6	7549.8	7252.1	7076.3	6873.3	6846.2	6792.1
7.5°	8835.2	8429.3	7752.8	7157.4	6575.6	6020.9	5750.3	5412.1	5182.0	5006.1	4925.0
10°	8239.8	7861.0	7022.1	6210.3	5696.2	5330.9	5006.1	4654.4	4370.2	4153.7	4072.6
12.5°	7847.5	7401.0	6494.5	5723.2	5344.4	4925.0	4559.7	4180.8	3815.5	3531.4	3382.5
15°	7671.6	7252.1	6332.1	5479.7	4925.0	4343.2	3923.7	3544.9	3098.4	2895.4	2827.8
17.5°	8091.0	7468.6	6278.0	5195.6	4410.8	3747.8	3233.7	2827.8	2503.1	2300.1	2218.9
20°	8632.2	7861.0	6372.7	4857.3	3923.7	3179.6	2611.3	2178.4	1961.9	1813.0	1799.5
22.5°	9322.3	8442.8	6521.5	4613.8	3382.5	2557.2	2043.0	1786.0	1637.1	1623.6	1596.6
25°	10553.5	9498.2	6765.1	4289.1	2949.6	2110.7	1745.4	1596.6	1528.9	1488.3	1515.4
27.5°	11608.9	10188.2	6941.0	4086.1	2773.7	1988.9	1691.3	1528.9	1461.3	1447.7	1461.3
30°	12231.2	10824.1	6886.8	3707.3	2421.9	1894.2	1799.5	1745.4	1610.1	1501.8	1501.8
32.5°	12799.5	11230.0	6873.3	3369.0	2070.1	1583.0	1501.8	1461.3	1542.4	1596.6	1556.0
35°	13584.3	11865.9	6832.7	3179.6	1921.3	1461.3	1326.0	1217.7	1163.6	1136.5	1177.1
37.5°	14423.1	12298.9	6724.5	3152.5	1840.1	1393.6	1285.4	1177.1	1123.0	1095.9	1082.4
40°	15343.2	12758.9	6602.7	3017.2	1799.5	1353.0	1244.8	1150.1	1082.4	1041.8	1028.3
42.5°	15938.5	13124.2	6480.9	2949.6	1718.3	1326.0	1204.2	1123.0	1055.4	1001.2	1001.2
45°	16276.7	13557.2	6359.2	2881.9	1623.6	1339.5	1204.2	1095.9	1014.8	987.7	960.6
47.5°	16425.6	13881.9	6318.6	2773.7	1542.4	1285.4	1177.1	1068.9	987.7	933.6	920.0
50°	16818.0	14572.0	6467.4	2692.5	1447.7	1231.2	1244.8	1055.4	974.2	906.5	893.0
52.5°	17048.0	15126.7	6792.1	2570.7	1380.1	1163.6	1217.7	1028.3	933.6	865.9	865.9
55°	17886.8	16046.7	7143.9	2476.0	1298.9	1068.9	1123.0	974.2	865.9	825.3	825.3
57.5°	18955.7	17020.9	7441.6	2435.4	1244.8	1001.2	1001.2	947.1	825.3	771.2	757.7
60°	19699.9	17819.2	7617.5	2408.4	1190.7	933.6	893.0	947.1	784.7	730.6	717.1
62.5°	19781.1	17359.2	7441.6	2394.8	1177.1	865.9	811.8	906.5	744.2	690.0	663.0
65°	19266.9	16425.6	6954.5	2340.7	1163.6	798.3	757.7	784.7	690.0	649.4	622.4
67.5°	18238.6	14910.2	6250.9	2313.7	1150.1	744.2	690.0	676.5	635.9	595.3	568.3
70°	15843.8	12934.8	5425.6	2191.9	1123.0	703.6	622.4	608.9	568.3	541.2	527.7
72.5°	13300.1	10580.6	4478.5	2029.5	1068.9	635.9	568.3	541.2	527.7	487.1	473.6
75°	10188.2	8145.1	3585.5	1799.5	933.6	568.3	500.6	473.6	460.0	433.0	419.4
77.5°	7157.4	6061.5	2651.9	1461.3	784.7	514.1	446.5	419.4	405.9	365.3	365.3
80°	4857.3	4248.5	1799.5	1014.8	608.9	419.4	392.4	365.3	338.3	311.2	311.2
82.5°	3017.2	2976.6	1298.9	663.0	446.5	338.3	311.2	311.2	270.6	243.5	243.5
85°	1380.1	1826.6	906.5	460.0	338.3	257.1	257.1	243.5	216.5	175.9	175.9
87.5°	433.0	608.9	473.6	203.0	189.4	148.8	148.8	135.3	135.3	108.2	108.2
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°	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7
2.5°	8537.5	8524.0	8524.0	8469.9	8605.2	8605.2	8686.3	8618.7	8659.3	8672.8	8781.1
5°	6778.6	6886.8	6968.0	7130.4	7225.1	7265.7	7265.7	7373.9	7333.3	7414.5	7576.9
7.5°	4965.6	5100.9	5344.4	5547.4	5709.7	5763.8	5750.3	5777.4	5818.0	5723.2	5750.3
10°	4018.4	3923.7	4004.9	4194.3	4343.2	4519.1	4383.8	4370.2	4410.8	4370.2	4451.4
12.5°	3355.5	3247.2	3179.6	3179.6	3287.8	3369.0	3328.4	3396.1	3544.9	3585.5	3680.2
15°	2719.6	2624.8	2570.7	2503.1	2611.3	2638.4	2679.0	2773.7	2881.9	2936.0	3044.3
17.5°	2178.4	2178.4	2178.4	2124.2	2164.8	2205.4	2218.9	2340.7	2354.2	2408.4	2449.0
20°	1786.0	1826.6	1894.2	1921.3	1961.9	1961.9	1934.8	2002.5	1948.3	1988.9	2016.0
22.5°	1610.1	1664.2	1691.3	1704.8	1758.9	1772.4	1704.8	1718.3	1731.9	1691.3	1704.8
25°	1515.4	1542.4	1515.4	1528.9	1542.4	1515.4	1528.9	1556.0	1542.4	1569.5	1556.0
27.5°	1474.8	1447.7	1434.2	1420.7	1420.7	1393.6	1407.1	1407.1	1434.2	1447.7	1447.7
30°	1474.8	1434.2	1380.1	1339.5	1339.5	1298.9	1326.0	1353.0	1366.5	1393.6	1393.6
32.5°	1515.4	1434.2	1339.5	1298.9	1258.3	1231.2	1258.3	1298.9	1353.0	1366.5	1380.1
35°	1204.2	1244.8	1231.2	1177.1	1163.6	1163.6	1150.1	1150.1	1109.5	1109.5	1095.9
37.5°	1082.4	1068.9	1095.9	1109.5	1123.0	1082.4	1082.4	1028.3	1014.8	1028.3	1028.3
40°	1014.8	1014.8	1014.8	1055.4	1068.9	1041.8	1001.2	974.2	974.2	974.2	987.7
42.5°	987.7	960.6	947.1	974.2	1014.8	987.7	947.1	933.6	933.6	947.1	947.1
45°	947.1	933.6	920.0	906.5	960.6	920.0	906.5	893.0	893.0	893.0	906.5
47.5°	906.5	893.0	865.9	865.9	879.5	865.9	852.4	852.4	852.4	879.5	879.5
50°	879.5	865.9	838.9	838.9	838.9	838.9	825.3	825.3	825.3	838.9	852.4
52.5°	838.9	825.3	811.8	798.3	798.3	798.3	798.3	798.3	798.3	811.8	825.3
55°	798.3	784.7	771.2	771.2	784.7	784.7	771.2	784.7	771.2	784.7	798.3
57.5°	757.7	744.2	730.6	744.2	757.7	744.2	744.2	744.2	744.2	744.2	757.7
60°	703.6	703.6	703.6	703.6	730.6	730.6	730.6	730.6	703.6	717.1	730.6
62.5°	676.5	663.0	663.0	676.5	690.0	690.0	703.6	690.0	676.5	690.0	690.0
65°	622.4	622.4	622.4	635.9	635.9	649.4	649.4	649.4	635.9	649.4	649.4
67.5°	581.8	581.8	581.8	581.8	608.9	608.9	608.9	608.9	595.3	595.3	608.9
70°	514.1	527.7	514.1	541.2	568.3	554.7	568.3	568.3	554.7	541.2	568.3
72.5°	473.6	473.6	473.6	473.6	514.1	514.1	514.1	527.7	514.1	500.6	514.1
75°	419.4	419.4	419.4	433.0	460.0	460.0	460.0	460.0	460.0	446.5	446.5
77.5°	365.3	378.8	365.3	378.8	405.9	392.4	405.9	419.4	405.9	392.4	392.4
80°	311.2	311.2	311.2	324.7	338.3	338.3	338.3	351.8	338.3	324.7	324.7
82.5°	243.5	243.5	257.1	257.1	270.6	270.6	270.6	284.1	270.6	257.1	257.1
85°	189.4	189.4	189.4	203.0	203.0	216.5	216.5	230.0	230.0	216.5	216.5
87.5°	121.8	108.2	121.8	121.8	135.3	135.3	121.8	108.2	121.8	108.2	94.7
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: P599074  
 CATALOG NUMBER: IFLD-L-SA7D-827-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7	9741.7
2.5°	8889.3	9132.8	9308.7	9430.5	9606.4	9944.6	10079.9	10323.5	10391.1	10431.7
5°	7644.5	7901.6	8280.4	8551.0	8862.2	9498.2	9985.2	10350.5	10512.9	10661.7
7.5°	5993.8	6332.1	6724.5	7076.3	7590.4	8375.2	9011.1	9768.8	10052.9	10201.7
10°	4681.4	4992.6	5425.6	5858.5	6575.6	7238.6	8145.1	8835.2	9227.5	9335.8
12.5°	3950.8	4316.1	4830.3	5357.9	5804.4	6562.1	7482.2	8483.4	8848.7	8916.4
15°	3355.5	3856.1	4383.8	4925.0	5439.1	6102.1	7089.8	8307.5	8848.7	8916.4
17.5°	2773.7	3220.2	3842.6	4424.4	5019.7	5926.2	7157.4	8456.3	8997.5	9200.5
20°	2205.4	2638.4	3125.5	3856.1	4667.9	5628.5	7306.3	8956.9	9674.0	9890.5
22.5°	1826.6	2016.0	2489.5	3193.1	4153.7	5425.6	7455.1	9741.7	10499.4	10580.6
25°	1596.6	1731.9	2029.5	2692.5	3747.8	5290.3	7806.9	10648.2	11622.4	11622.4
27.5°	1488.3	1542.4	1745.4	2340.7	3463.7	5168.5	8158.7	11649.4	12556.0	12745.4
30°	1461.3	1596.6	1704.8	2083.6	3152.5	4830.3	8483.4	12434.2	13367.8	13381.3
32.5°	1434.2	1407.1	1488.3	1813.0	2773.7	4478.5	8754.0	13232.5	13963.1	14003.7
35°	1123.0	1177.1	1312.4	1596.6	2489.5	4221.4	8889.3	13665.4	14720.8	14761.4
37.5°	1055.4	1123.0	1231.2	1474.8	2300.1	4004.9	8929.9	14504.3	15519.1	15600.2
40°	1028.3	1082.4	1163.6	1366.5	2151.3	3734.3	9011.1	15370.2	16696.2	16587.9
42.5°	974.2	1041.8	1123.0	1312.4	2029.5	3531.4	9024.6	15843.8	17318.6	17318.6
45°	960.6	1001.2	1095.9	1312.4	1894.2	3355.5	8808.1	16317.3	18035.7	17819.2
47.5°	906.5	987.7	1068.9	1271.8	1731.9	3179.6	8551.0	16560.9	18130.4	18062.7
50°	893.0	974.2	1109.5	1204.2	1637.1	3098.4	8496.9	17169.7	18319.8	18306.3
52.5°	865.9	947.1	1150.1	1150.1	1515.4	2990.2	8754.0	17440.3	18360.4	18468.6
55°	825.3	947.1	1068.9	1055.4	1407.1	2854.9	9038.1	18143.9	19077.5	19050.4
57.5°	798.3	920.0	1014.8	960.6	1285.4	2760.1	9457.6	18820.4	19943.4	19754.0
60°	757.7	920.0	906.5	893.0	1190.7	2679.0	9809.3	18955.7	20132.8	20254.6
62.5°	730.6	960.6	798.3	825.3	1109.5	2638.4	9660.5	17941.0	19875.8	19984.0
65°	703.6	825.3	730.6	757.7	1082.4	2557.2	9078.7	16723.2	18766.3	19239.8
67.5°	649.4	676.5	676.5	703.6	1055.4	2367.8	7888.1	14531.4	17075.0	17332.1
70°	595.3	608.9	608.9	649.4	1028.3	2151.3	6508.0	12569.5	14815.5	15302.6
72.5°	541.2	541.2	541.2	595.3	947.1	1975.4	5357.9	9660.5	12312.4	12650.7
75°	473.6	473.6	473.6	527.7	852.4	1799.5	4221.4	7184.5	9065.2	9552.3
77.5°	419.4	419.4	405.9	473.6	744.2	1461.3	3044.3	5073.8	6386.2	6792.1
80°	351.8	338.3	338.3	378.8	581.8	1055.4	1961.9	3585.5	4451.4	4627.3
82.5°	284.1	270.6	257.1	284.1	419.4	663.0	1217.7	2503.1	2854.9	2746.6
85°	270.6	284.1	230.0	216.5	297.7	433.0	771.2	1542.4	1285.4	1285.4
87.5°	108.2	94.7	94.7	81.2	148.8	162.4	338.3	284.1	216.5	216.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)