

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: P599064

Luminaire Tested: **IFLD-S-SA6D-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: P599064  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6D-827-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (96) 2700K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

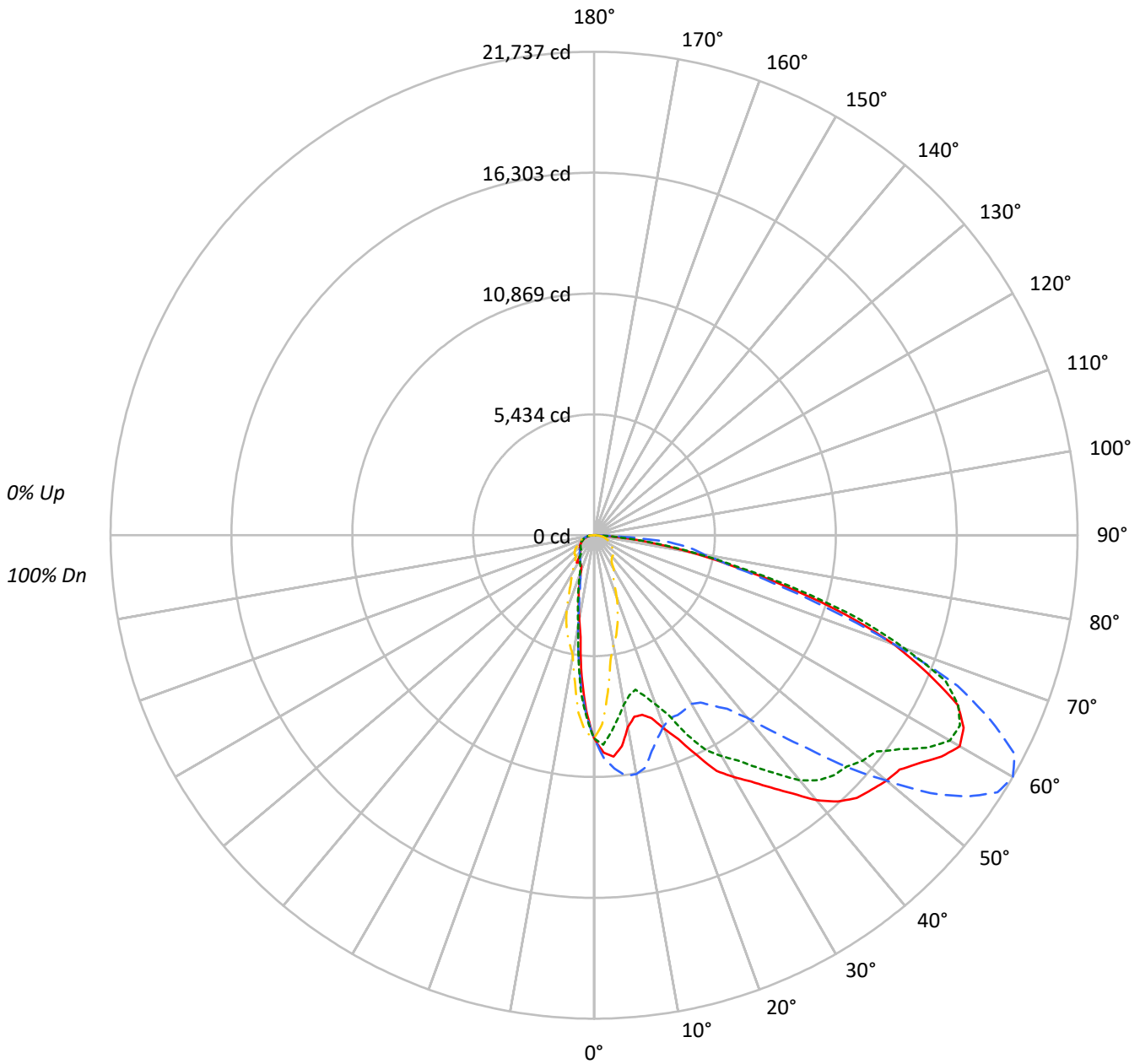
Lumens per Lamp: N/A  
 Luminaire Lumens: 28588.9 lumens  
 Efficiency: N/A  
 Efficacy: 77.6 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 368.2  
 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	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°	65524	65524	65524	65524
5°	71987	63948	45859	50062
10°	63763	56278	27815	29848
15°	62089	53421	19692	20445
20°	70795	61788	12880	14237
25°	86255	78323	11246	11648
30°	103929	94996	11664	10824
35°	121208	111543	9665	9110
40°	145649	134719	9028	8553
45°	169501	154829	9138	8494
50°	191558	175985	9344	8778
55°	223399	209755	9678	9203
60°	272472	265010	9647	9647
65°	306212	306644	9906	10336
70°	300942	311585	10377	10644
75°	248245	264769	10899	11603
80°	179237	188147	12054	12579
85°	99197	106508	13577	16706

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	709.4	2.5
10°-20°	1497.7	5.2
20°-30°	2191.3	7.7
30°-40°	3087.4	10.8
40°-50°	4243.1	14.8
50°-60°	5782.8	20.2
60°-70°	6329.0	22.1
70°-80°	3654.0	12.8
80°-90°	1094.2	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°	4398.4	15.4
0°-40°	7485.8	26.2
0°-60°	17511.7	61.3
0°-90°	28588.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28588.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9131	9131	9131	9131	9131	
5°	9994	8878	6366	6950	9994	907
15°	8358	7191	2651	2752	8358	2442
25°	10894	9892	1420	1471	10894	5101
35°	13836	12733	1103	1040	13836	8773
45°	16702	15257	900	837	16702	12837
55°	17856	16766	774	736	17856	16112
65°	18034	18059	583	609	18034	17260
75°	8954	9550	393	418	8954	9618
85°	1205	1294	165	203	1205	1672
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°	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1
2.5°	9777.9	9739.9	9777.9	9917.4	9955.5	10018.9	10018.9	9930.1	9765.2	9689.1	9562.3
5°	9993.5	9930.1	10247.2	10538.8	10767.1	10741.8	10526.2	10348.6	10018.9	9524.3	9055.0
7.5°	9562.3	9625.7	9854.0	10614.9	11147.6	11249.0	10906.6	10551.5	9841.3	9156.5	8522.4
10°	8750.7	8839.4	9334.0	10120.3	10957.4	11122.2	10906.6	10475.4	9625.7	8776.0	8040.5
12.5°	8357.5	8560.4	8852.1	9803.3	10399.3	10792.5	10691.0	10412.0	9460.9	8459.0	7748.8
15°	8357.5	8408.3	8839.4	9638.4	9980.8	9993.5	10031.6	10082.3	9511.6	8598.5	7647.3
17.5°	8623.8	8763.4	9131.1	9625.7	9689.1	9537.0	9537.0	9752.6	9613.1	8991.6	8015.1
20°	9270.6	9219.9	9701.8	9904.7	9562.3	9181.9	9143.8	9511.6	9727.2	9410.1	8687.3
22.5°	9917.4	10145.7	10538.8	10082.3	9448.2	8940.9	8890.2	9346.7	10069.6	10133.0	9460.9
25°	10893.9	11122.2	11325.1	10767.1	9435.5	8877.5	8915.5	9270.6	10488.1	11160.3	10754.4
27.5°	11946.6	12086.1	12377.8	11515.4	9739.9	8801.4	8839.4	9372.1	10881.3	11832.4	11769.0
30°	12542.6	12694.8	12631.4	11654.9	9942.8	8852.1	8750.7	9511.6	10665.7	11832.4	12428.5
32.5°	13126.0	13037.2	12999.2	11883.2	10196.4	9169.2	8915.5	9803.3	10792.5	12022.7	13278.2
35°	13836.2	13709.4	13607.9	12327.0	10614.9	9473.5	9359.4	10183.7	11071.5	12415.8	13963.0
37.5°	14622.5	14622.5	14127.9	12656.8	11109.5	9968.2	9841.3	10729.1	11515.4	12656.8	14901.5
40°	15548.3	15586.3	14711.3	13100.6	11667.6	10754.4	10716.4	11439.3	11946.6	13011.9	15801.9
42.5°	16233.1	16258.5	15218.6	13265.5	12314.3	11845.1	12010.0	12580.7	12441.2	13328.9	15865.3
45°	16702.4	16575.5	15573.7	13734.7	13024.5	13481.1	13531.8	13696.7	13088.0	13519.1	16119.0
47.5°	16930.6	16905.3	15725.8	14280.1	14521.0	15142.5	15434.1	15205.9	13684.0	13316.2	16119.0
50°	17158.9	16943.3	15865.3	15028.3	15979.5	17235.0	17171.6	16753.1	14508.4	13569.9	15878.0
52.5°	17311.1	17120.9	16144.3	15700.5	17374.5	18794.9	19048.6	18274.9	15472.2	14039.1	15992.2
55°	17856.4	17704.3	16981.4	16613.6	18985.1	20443.6	20481.6	19403.7	16486.8	14812.7	16740.4
57.5°	18515.9	18604.7	18135.4	17907.2	20215.3	21648.4	21508.9	20240.7	17349.2	15751.2	17602.8
60°	18985.1	19124.6	19010.5	19035.9	20824.1	22054.2	21737.2	20760.6	17983.3	16461.4	18655.4
62.5°	18731.5	19010.5	19479.7	19378.3	20849.4	21762.5	21318.7	20075.8	18059.4	17387.2	19454.4
65°	18034.0	18059.4	18972.5	19530.5	19708.0	20253.4	19670.0	18642.7	17273.1	17957.9	19340.2
67.5°	16245.8	16448.7	17273.1	18363.7	17615.5	17742.3	17691.6	16207.8	16080.9	17564.7	18465.2
70°	14343.5	14483.0	15383.4	16664.3	14876.1	14280.1	14394.2	13290.9	13810.8	16347.3	16702.4
72.5°	11857.8	11946.6	12973.8	14102.5	11933.9	10868.6	11134.9	10234.5	10970.0	14305.4	14089.8
75°	8953.6	9118.4	9917.4	11249.0	8788.7	8103.9	8370.2	8002.4	8687.3	11781.7	10932.0
77.5°	6366.4	6239.6	7228.8	8801.4	6607.4	6201.6	6226.9	6290.3	7025.9	9930.1	7850.2
80°	4337.3	4375.3	5263.1	6455.2	5187.0	5123.6	5060.2	5567.5	5897.2	7862.9	5707.0
82.5°	2574.5	2574.5	3551.0	4590.9	4096.3	4616.3	4324.6	4781.2	4616.3	5783.1	3741.2
85°	1204.8	1204.8	1826.2	3310.0	3170.5	3804.6	3233.9	3614.4	3411.5	4032.9	1686.7
87.5°	202.9	177.5	367.8	1623.3	1306.3	1483.8	583.4	1927.7	2143.3	2815.4	418.5
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°	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1
2.5°	9422.8	9334.0	9156.5	8928.2	8738.0	8497.0	8420.9	8256.1	8027.8	8002.4	7901.0
5°	8877.5	8573.1	8192.7	7723.4	7406.4	7076.6	6797.6	6632.8	6442.5	6417.2	6366.4
7.5°	8281.4	7901.0	7266.9	6708.8	6163.5	5643.5	5389.9	5072.9	4857.3	4692.4	4616.3
10°	7723.4	7368.3	6582.0	5821.1	5339.2	4996.8	4692.4	4362.7	4096.3	3893.4	3817.3
12.5°	7355.6	6937.1	6087.4	5364.5	5009.4	4616.3	4273.9	3918.8	3576.4	3310.0	3170.5
15°	7190.8	6797.6	5935.2	5136.3	4616.3	4071.0	3677.8	3322.7	2904.2	2714.0	2650.6
17.5°	7583.9	7000.5	5884.5	4869.9	4134.4	3512.9	3031.0	2650.6	2346.2	2156.0	2079.9
20°	8091.2	7368.3	5973.3	4552.9	3677.8	2980.3	2447.7	2041.8	1838.9	1699.4	1686.7
22.5°	8738.0	7913.6	6112.8	4324.6	3170.5	2396.9	1915.0	1674.0	1534.5	1521.9	1496.5
25°	9892.1	8902.9	6341.1	4020.2	2764.7	1978.4	1636.0	1496.5	1433.1	1395.0	1420.4
27.5°	10881.3	9549.6	6505.9	3830.0	2599.8	1864.3	1585.3	1433.1	1369.7	1357.0	1369.7
30°	11464.6	10145.7	6455.2	3474.9	2270.1	1775.5	1686.7	1636.0	1509.2	1407.7	1407.7
32.5°	11997.3	10526.2	6442.5	3157.8	1940.4	1483.8	1407.7	1369.7	1445.8	1496.5	1458.4
35°	12732.9	11122.2	6404.5	2980.3	1800.9	1369.7	1242.8	1141.4	1090.7	1065.3	1103.3
37.5°	13519.1	11528.1	6303.0	2954.9	1724.8	1306.3	1204.8	1103.3	1052.6	1027.3	1014.6
40°	14381.5	11959.2	6188.9	2828.1	1686.7	1268.2	1166.8	1078.0	1014.6	976.5	963.8
42.5°	14939.5	12301.7	6074.7	2764.7	1610.6	1242.8	1128.7	1052.6	989.2	938.5	938.5
45°	15256.6	12707.5	5960.6	2701.3	1521.9	1255.5	1128.7	1027.3	951.2	925.8	900.4
47.5°	15396.1	13011.9	5922.6	2599.8	1445.8	1204.8	1103.3	1001.9	925.8	875.1	862.4
50°	15763.9	13658.7	6062.1	2523.7	1357.0	1154.1	1166.8	989.2	913.1	849.7	837.0
52.5°	15979.5	14178.6	6366.4	2409.6	1293.6	1090.7	1141.4	963.8	875.1	811.7	811.7
55°	16765.8	15041.0	6696.2	2320.8	1217.5	1001.9	1052.6	913.1	811.7	773.6	773.6
57.5°	17767.7	15954.1	6975.2	2282.8	1166.8	938.5	938.5	887.7	773.6	722.9	710.2
60°	18465.2	16702.4	7140.0	2257.4	1116.0	875.1	837.0	887.7	735.6	684.8	672.2
62.5°	18541.3	16271.2	6975.2	2244.7	1103.3	811.7	760.9	849.7	697.5	646.8	621.4
65°	18059.4	15396.1	6518.6	2194.0	1090.7	748.2	710.2	735.6	646.8	608.7	583.4
67.5°	17095.5	13975.7	5859.1	2168.6	1078.0	697.5	646.8	634.1	596.1	558.0	532.6
70°	14850.8	12124.1	5085.5	2054.5	1052.6	659.5	583.4	570.7	532.6	507.3	494.6
72.5°	12466.5	9917.4	4197.8	1902.3	1001.9	596.1	532.6	507.3	494.6	456.6	443.9
75°	9549.6	7634.6	3360.8	1686.7	875.1	532.6	469.2	443.9	431.2	405.8	393.1
77.5°	6708.8	5681.6	2485.7	1369.7	735.6	481.9	418.5	393.1	380.5	342.4	342.4
80°	4552.9	3982.2	1686.7	951.2	570.7	393.1	367.8	342.4	317.1	291.7	291.7
82.5°	2828.1	2790.1	1217.5	621.4	418.5	317.1	291.7	291.7	253.6	228.3	228.3
85°	1293.6	1712.1	849.7	431.2	317.1	241.0	241.0	228.3	202.9	164.9	164.9
87.5°	405.8	570.7	443.9	190.2	177.5	139.5	139.5	126.8	126.8	101.5	101.5
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°	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1
2.5°	8002.4	7989.7	7989.7	7939.0	8065.8	8065.8	8141.9	8078.5	8116.6	8129.2	8230.7
5°	6353.7	6455.2	6531.3	6683.5	6772.3	6810.3	6810.3	6911.8	6873.7	6949.8	7102.0
7.5°	4654.3	4781.2	5009.4	5199.7	5351.9	5402.6	5389.9	5415.3	5453.3	5364.5	5389.9
10°	3766.6	3677.8	3753.9	3931.5	4071.0	4235.8	4109.0	4096.3	4134.4	4096.3	4172.4
12.5°	3145.2	3043.7	2980.3	2980.3	3081.8	3157.8	3119.8	3183.2	3322.7	3360.8	3449.5
15°	2549.1	2460.3	2409.6	2346.2	2447.7	2473.0	2511.1	2599.8	2701.3	2752.0	2853.5
17.5°	2041.8	2041.8	2041.8	1991.1	2029.1	2067.2	2079.9	2194.0	2206.7	2257.4	2295.5
20°	1674.0	1712.1	1775.5	1800.9	1838.9	1838.9	1813.5	1877.0	1826.2	1864.3	1889.6
22.5°	1509.2	1559.9	1585.3	1597.9	1648.7	1661.4	1597.9	1610.6	1623.3	1585.3	1597.9
25°	1420.4	1445.8	1420.4	1433.1	1445.8	1420.4	1433.1	1458.4	1445.8	1471.1	1458.4
27.5°	1382.4	1357.0	1344.3	1331.6	1331.6	1306.3	1318.9	1318.9	1344.3	1357.0	1357.0
30°	1382.4	1344.3	1293.6	1255.5	1255.5	1217.5	1242.8	1268.2	1280.9	1306.3	1306.3
32.5°	1420.4	1344.3	1255.5	1217.5	1179.4	1154.1	1179.4	1217.5	1268.2	1280.9	1293.6
35°	1128.7	1166.8	1154.1	1103.3	1090.7	1090.7	1078.0	1078.0	1039.9	1039.9	1027.3
37.5°	1014.6	1001.9	1027.3	1039.9	1052.6	1014.6	1014.6	963.8	951.2	963.8	963.8
40°	951.2	951.2	951.2	989.2	1001.9	976.5	938.5	913.1	913.1	913.1	925.8
42.5°	925.8	900.4	887.7	913.1	951.2	925.8	887.7	875.1	875.1	887.7	887.7
45°	887.7	875.1	862.4	849.7	900.4	862.4	849.7	837.0	837.0	837.0	849.7
47.5°	849.7	837.0	811.7	811.7	824.3	811.7	799.0	799.0	799.0	824.3	824.3
50°	824.3	811.7	786.3	786.3	786.3	786.3	773.6	773.6	773.6	786.3	799.0
52.5°	786.3	773.6	760.9	748.2	748.2	748.2	748.2	748.2	748.2	760.9	773.6
55°	748.2	735.6	722.9	722.9	735.6	735.6	722.9	735.6	722.9	735.6	748.2
57.5°	710.2	697.5	684.8	697.5	710.2	697.5	697.5	697.5	697.5	697.5	710.2
60°	659.5	659.5	659.5	659.5	684.8	684.8	684.8	684.8	659.5	672.2	684.8
62.5°	634.1	621.4	621.4	634.1	646.8	646.8	659.5	646.8	634.1	646.8	646.8
65°	583.4	583.4	583.4	596.1	596.1	608.7	608.7	608.7	596.1	608.7	608.7
67.5°	545.3	545.3	545.3	545.3	570.7	570.7	570.7	570.7	558.0	558.0	570.7
70°	481.9	494.6	481.9	507.3	532.6	520.0	532.6	532.6	520.0	507.3	532.6
72.5°	443.9	443.9	443.9	443.9	481.9	481.9	481.9	494.6	481.9	469.2	481.9
75°	393.1	393.1	393.1	405.8	431.2	431.2	431.2	431.2	431.2	418.5	418.5
77.5°	342.4	355.1	342.4	355.1	380.5	367.8	380.5	393.1	380.5	367.8	367.8
80°	291.7	291.7	291.7	304.4	317.1	317.1	317.1	329.7	317.1	304.4	304.4
82.5°	228.3	228.3	241.0	241.0	253.6	253.6	253.6	266.3	253.6	241.0	241.0
85°	177.5	177.5	177.5	190.2	190.2	202.9	202.9	215.6	215.6	202.9	202.9
87.5°	114.1	101.5	114.1	114.1	126.8	126.8	114.1	101.5	114.1	101.5	88.8
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: P599064  
 CATALOG NUMBER: IFLD-S-SA6D-827-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1	9131.1
2.5°	8332.2	8560.4	8725.3	8839.4	9004.3	9321.4	9448.2	9676.5	9739.9	9777.9
5°	7165.4	7406.4	7761.5	8015.1	8306.8	8902.9	9359.4	9701.8	9854.0	9993.5
7.5°	5618.2	5935.2	6303.0	6632.8	7114.7	7850.2	8446.3	9156.5	9422.8	9562.3
10°	4388.0	4679.7	5085.5	5491.4	6163.5	6784.9	7634.6	8281.4	8649.2	8750.7
12.5°	3703.2	4045.6	4527.5	5022.1	5440.6	6150.8	7013.2	7951.7	8294.1	8357.5
15°	3145.2	3614.4	4109.0	4616.3	5098.2	5719.6	6645.4	7786.8	8294.1	8357.5
17.5°	2599.8	3018.3	3601.7	4147.1	4705.1	5554.8	6708.8	7926.3	8433.6	8623.8
20°	2067.2	2473.0	2929.6	3614.4	4375.3	5275.8	6848.3	8395.6	9067.7	9270.6
22.5°	1712.1	1889.6	2333.5	2993.0	3893.4	5085.5	6987.9	9131.1	9841.3	9917.4
25°	1496.5	1623.3	1902.3	2523.7	3512.9	4958.7	7317.6	9980.8	10893.9	10893.9
27.5°	1395.0	1445.8	1636.0	2194.0	3246.6	4844.6	7647.3	10919.3	11769.0	11946.6
30°	1369.7	1496.5	1597.9	1953.0	2954.9	4527.5	7951.7	11654.9	12529.9	12542.6
32.5°	1344.3	1318.9	1395.0	1699.4	2599.8	4197.8	8205.3	12403.1	13088.0	13126.0
35°	1052.6	1103.3	1230.2	1496.5	2333.5	3956.8	8332.2	12808.9	13798.2	13836.2
37.5°	989.2	1052.6	1154.1	1382.4	2156.0	3753.9	8370.2	13595.2	14546.4	14622.5
40°	963.8	1014.6	1090.7	1280.9	2016.5	3500.3	8446.3	14406.9	15649.7	15548.3
42.5°	913.1	976.5	1052.6	1230.2	1902.3	3310.0	8459.0	14850.8	16233.1	16233.1
45°	900.4	938.5	1027.3	1230.2	1775.5	3145.2	8256.1	15294.6	16905.3	16702.4
47.5°	849.7	925.8	1001.9	1192.1	1623.3	2980.3	8015.1	15522.9	16994.1	16930.6
50°	837.0	913.1	1039.9	1128.7	1534.5	2904.2	7964.4	16093.6	17171.6	17158.9
52.5°	811.7	887.7	1078.0	1078.0	1420.4	2802.8	8205.3	16347.3	17209.6	17311.1
55°	773.6	887.7	1001.9	989.2	1318.9	2675.9	8471.7	17006.7	17881.8	17856.4
57.5°	748.2	862.4	951.2	900.4	1204.8	2587.2	8864.8	17640.8	18693.5	18515.9
60°	710.2	862.4	849.7	837.0	1116.0	2511.1	9194.5	17767.7	18871.0	18985.1
62.5°	684.8	900.4	748.2	773.6	1039.9	2473.0	9055.0	16816.5	18630.0	18731.5
65°	659.5	773.6	684.8	710.2	1014.6	2396.9	8509.7	15675.1	17590.1	18034.0
67.5°	608.7	634.1	634.1	659.5	989.2	2219.4	7393.7	13620.6	16004.8	16245.8
70°	558.0	570.7	570.7	608.7	963.8	2016.5	6100.1	11781.7	13886.9	14343.5
72.5°	507.3	507.3	507.3	558.0	887.7	1851.6	5022.1	9055.0	11540.7	11857.8
75°	443.9	443.9	443.9	494.6	799.0	1686.7	3956.8	6734.2	8497.0	8953.6
77.5°	393.1	393.1	380.5	443.9	697.5	1369.7	2853.5	4755.8	5986.0	6366.4
80°	329.7	317.1	317.1	355.1	545.3	989.2	1838.9	3360.8	4172.4	4337.3
82.5°	266.3	253.6	241.0	266.3	393.1	621.4	1141.4	2346.2	2675.9	2574.5
85°	253.6	266.3	215.6	202.9	279.0	405.8	722.9	1445.8	1204.8	1204.8
87.5°	101.5	88.8	88.8	76.1	139.5	152.2	317.1	266.3	202.9	202.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)