

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: P598889

Luminaire Tested: **IFLD-S-SA6C-727-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598889
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6C-727-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (96) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

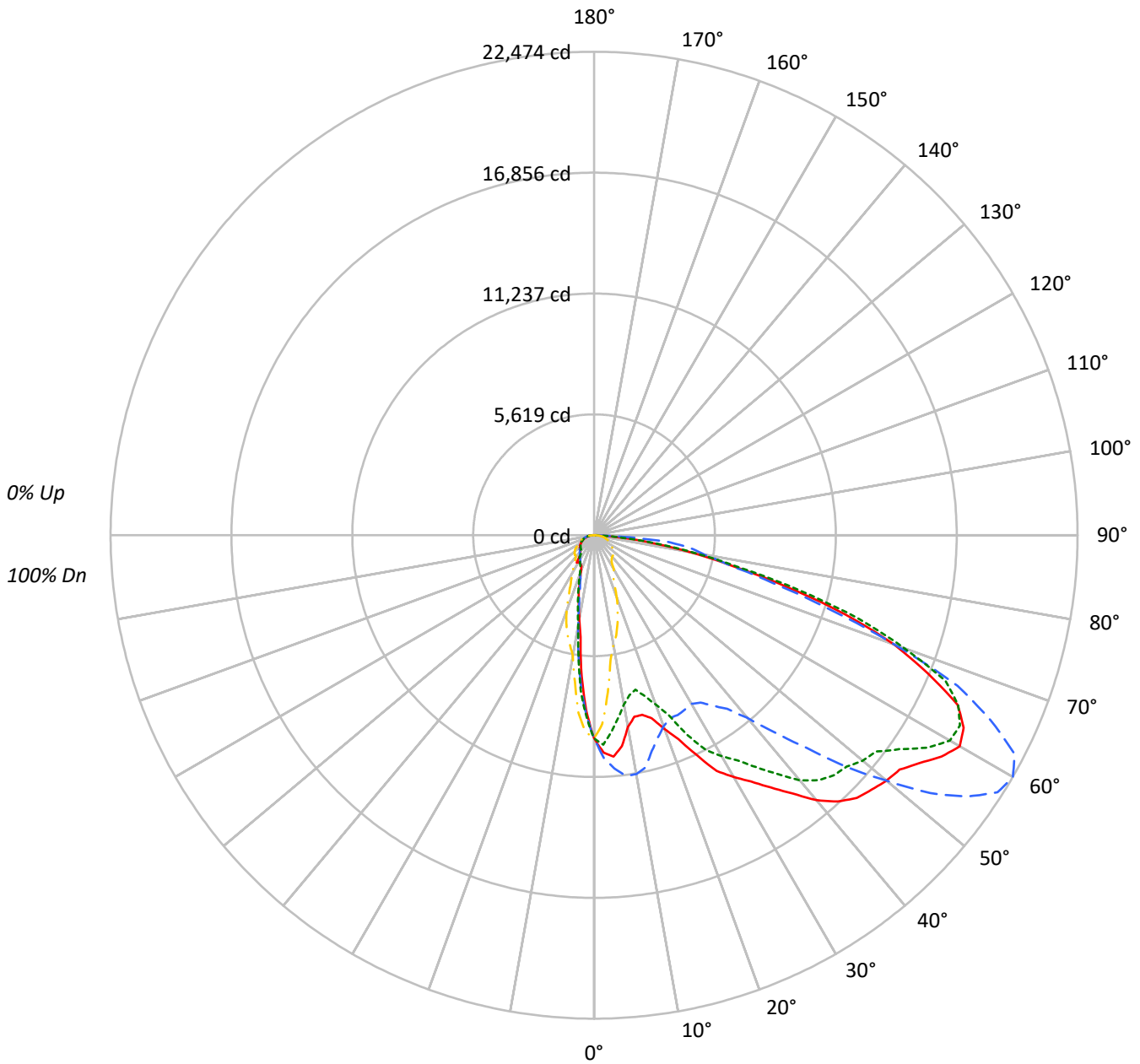
Lumens per Lamp: N/A
 Luminaire Lumens: 29558.3 lumens
 Efficiency: N/A
 Efficacy: 91.9 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 321.5
 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

TEST NUMBER: P598889
CATALOG NUMBER: IFLD-S-SA6C-727-U-SLL

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270° - · 135°-315°

TEST NUMBER: P598889

CATALOG NUMBER: IFLD-S-SA6C-727-U-SLL

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	67747	67747	67747	67747
5°	74428	66116	47415	51760
10°	65925	58186	28759	30860
15°	64194	55232	20359	21138
20°	73196	63884	13317	14719
25°	89180	80979	11628	12043
30°	107453	98218	12060	11191
35°	125318	115325	9994	9419
40°	150588	139288	9335	8844
45°	175248	160079	9448	8782
50°	198053	181952	9661	9076
55°	230975	216867	10006	9515
60°	281712	273996	9973	9973
65°	316596	317040	10242	10687
70°	311147	322149	10730	11005
75°	256662	273750	11271	11997
80°	185316	194527	12464	13005
85°	102564	110114	14038	17274

TEST NUMBER: P598889
 CATALOG NUMBER: IFLD-S-SA6C-727-U-SLL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	733.4	2.5
10°-20°	1548.5	5.2
20°-30°	2265.6	7.7
30°-40°	3192.1	10.8
40°-50°	4386.9	14.8
50°-60°	5978.9	20.2
60°-70°	6543.6	22.1
70°-80°	3777.9	12.8
80°-90°	1131.3	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°	4547.5	15.4
0°-40°	7739.7	26.2
0°-60°	18105.5	61.3
0°-90°	29558.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29558.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9441	9441	9441	9441	9441	
5°	10332	9178	6582	7186	10332	938
15°	8641	7435	2740	2845	8641	2525
25°	11263	10228	1469	1521	11263	5274
35°	14305	13165	1141	1075	14305	9071
45°	17269	15774	931	865	17269	13272
55°	18462	17334	800	760	18462	16658
65°	18646	18672	603	629	18646	17846
75°	9257	9874	406	433	9257	9944
85°	1246	1337	170	210	1246	1728
90°	0	0	0	0	0	

TEST NUMBER: P598889
 CATALOG NUMBER: IFLD-S-SA6C-727-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8
2.5°	10109.5	10070.1	10109.5	10253.7	10293.0	10358.6	10358.6	10266.8	10096.4	10017.7	9886.6
5°	10332.4	10266.8	10594.6	10896.2	11132.2	11106.0	10883.1	10699.5	10358.6	9847.2	9362.1
7.5°	9886.6	9952.1	10188.1	10974.9	11525.6	11630.5	11276.5	10909.3	10175.0	9467.0	8811.4
10°	9047.4	9139.2	9650.5	10463.5	11328.9	11499.4	11276.5	10830.6	9952.1	9073.6	8313.1
12.5°	8640.9	8850.7	9152.3	10135.7	10752.0	11158.4	11053.5	10765.1	9781.7	8745.8	8011.5
15°	8640.9	8693.4	9139.2	9965.2	10319.3	10332.4	10371.7	10424.2	9834.1	8890.0	7906.6
17.5°	8916.3	9060.5	9440.8	9952.1	10017.7	9860.3	9860.3	10083.2	9939.0	9296.5	8286.9
20°	9585.0	9532.5	10030.8	10240.6	9886.6	9493.2	9453.9	9834.1	10057.0	9729.2	8981.8
22.5°	10253.7	10489.7	10896.2	10424.2	9768.6	9244.1	9191.6	9663.7	10411.1	10476.6	9781.7
25°	11263.3	11499.4	11709.2	11132.2	9755.4	9178.5	9217.8	9585.0	10843.8	11538.7	11119.1
27.5°	12351.7	12495.9	12797.5	11905.8	10070.1	9099.8	9139.2	9689.9	11250.2	12233.6	12168.1
30°	12967.9	13125.3	13059.7	12050.1	10279.9	9152.3	9047.4	9834.1	11027.3	12233.6	12849.9
32.5°	13571.1	13479.3	13440.0	12286.1	10542.2	9480.1	9217.8	10135.7	11158.4	12430.3	13728.4
35°	14305.4	14174.2	14069.3	12745.0	10974.9	9794.8	9676.8	10529.1	11446.9	12836.8	14436.5
37.5°	15118.3	15118.3	14606.9	13085.9	11486.3	10306.2	10175.0	11092.9	11905.8	13085.9	15406.8
40°	16075.5	16114.8	15210.1	13544.9	12063.2	11119.1	11079.8	11827.2	12351.7	13453.1	16337.7
42.5°	16783.6	16809.8	15734.6	13715.3	12731.9	12246.8	12417.2	13007.3	12863.0	13780.9	16403.3
45°	17268.7	17137.6	16101.7	14200.5	13466.2	13938.2	13990.7	14161.1	13531.7	13977.6	16665.6
47.5°	17504.7	17478.5	16259.1	14764.3	15013.4	15655.9	15957.5	15721.5	14148.0	13767.8	16665.6
50°	17740.7	17517.8	16403.3	15537.9	16521.3	17819.4	17753.9	17321.2	15000.3	14030.0	16416.4
52.5°	17898.1	17701.4	16691.8	16232.9	17963.7	19432.2	19694.5	18894.6	15996.8	14515.2	16534.4
55°	18461.9	18304.6	17557.2	17176.9	19628.9	21136.8	21176.1	20061.6	17045.8	15315.0	17308.0
57.5°	19143.8	19235.5	18750.4	18514.4	20900.8	22382.5	22238.2	20927.0	17937.4	16285.3	18199.7
60°	19628.9	19773.1	19655.1	19681.3	21530.2	22802.0	22474.2	21464.6	18593.0	17019.6	19288.0
62.5°	19366.7	19655.1	20140.3	20035.4	21556.4	22500.5	22041.5	20756.5	18671.7	17976.8	20114.0
65°	18645.5	18671.7	19615.8	20192.7	20376.3	20940.1	20337.0	19274.9	17858.8	18566.8	19996.0
67.5°	16796.7	17006.5	17858.8	18986.4	18212.8	18343.9	18291.5	16757.3	16626.2	18160.3	19091.3
70°	14829.9	14974.1	15905.0	17229.4	15380.6	14764.3	14882.3	13741.5	14279.1	16901.6	17268.7
72.5°	12259.9	12351.7	13413.7	14580.7	12338.5	11237.1	11512.5	10581.5	11342.0	14790.5	14567.6
75°	9257.2	9427.6	10253.7	11630.5	9086.7	8378.7	8654.0	8273.8	8981.8	12181.2	11302.7
77.5°	6582.3	6451.2	7473.9	9099.8	6831.4	6411.8	6438.1	6503.6	7264.1	10266.8	8116.4
80°	4484.4	4523.7	5441.5	6674.1	5362.9	5297.3	5231.8	5756.2	6097.2	8129.5	5900.5
82.5°	2661.8	2661.8	3671.4	4746.6	4235.2	4772.8	4471.2	4943.3	4772.8	5979.1	3868.1
85°	1245.7	1245.7	1888.2	3422.3	3278.0	3933.6	3343.6	3737.0	3527.2	4169.7	1743.9
87.5°	209.8	183.6	380.3	1678.4	1350.6	1534.1	603.2	1993.0	2216.0	2910.9	432.7
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: P598889
 CATALOG NUMBER: IFLD-S-SA6C-727-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8
2.5°	9742.3	9650.5	9467.0	9231.0	9034.3	8785.1	8706.5	8536.0	8300.0	8273.8	8168.9
5°	9178.5	8863.8	8470.5	7985.3	7657.5	7316.6	7028.1	6857.7	6661.0	6634.8	6582.3
7.5°	8562.2	8168.9	7513.3	6936.3	6372.5	5834.9	5572.7	5244.9	5022.0	4851.5	4772.8
10°	7985.3	7618.2	6805.2	6018.5	5520.2	5166.2	4851.5	4510.6	4235.2	4025.4	3946.8
12.5°	7605.1	7172.4	6293.8	5546.4	5179.3	4772.8	4418.8	4051.7	3697.6	3422.3	3278.0
15°	7434.6	7028.1	6136.5	5310.4	4772.8	4209.0	3802.5	3435.4	3002.7	2806.0	2740.4
17.5°	7841.1	7237.9	6084.0	5035.1	4274.6	3632.1	3133.8	2740.4	2425.7	2229.1	2150.4
20°	8365.6	7618.2	6175.8	4707.3	3802.5	3081.4	2530.6	2111.1	1901.3	1757.0	1743.9
22.5°	9034.3	8182.0	6320.1	4471.2	3278.0	2478.2	1979.9	1730.8	1586.6	1573.5	1547.2
25°	10227.5	9204.7	6556.1	4156.6	2858.5	2045.5	1691.5	1547.2	1481.7	1442.3	1468.6
27.5°	11250.2	9873.5	6726.5	3959.9	2688.0	1927.5	1639.0	1481.7	1416.1	1403.0	1416.1
30°	11853.4	10489.7	6674.1	3592.7	2347.1	1835.7	1743.9	1691.5	1560.3	1455.4	1455.4
32.5°	12404.1	10883.1	6661.0	3264.9	2006.2	1534.1	1455.4	1416.1	1494.8	1547.2	1507.9
35°	13164.6	11499.4	6621.6	3081.4	1861.9	1416.1	1285.0	1180.1	1127.6	1101.4	1140.8
37.5°	13977.6	11919.0	6516.7	3055.1	1783.3	1350.6	1245.7	1140.8	1088.3	1062.1	1049.0
40°	14869.2	12364.8	6398.7	2924.0	1743.9	1311.2	1206.3	1114.5	1049.0	1009.6	996.5
42.5°	15446.1	12718.8	6280.7	2858.5	1665.2	1285.0	1167.0	1088.3	1022.7	970.3	970.3
45°	15773.9	13138.4	6162.7	2792.9	1573.5	1298.1	1167.0	1062.1	983.4	957.2	931.0
47.5°	15918.2	13453.1	6123.4	2688.0	1494.8	1245.7	1140.8	1035.9	957.2	904.7	891.6
50°	16298.4	14121.8	6267.6	2609.3	1403.0	1193.2	1206.3	1022.7	944.1	878.5	865.4
52.5°	16521.3	14659.4	6582.3	2491.3	1337.4	1127.6	1180.1	996.5	904.7	839.2	839.2
55°	17334.3	15551.0	6923.2	2399.5	1258.8	1035.9	1088.3	944.1	839.2	799.8	799.8
57.5°	18370.1	16495.1	7211.7	2360.2	1206.3	970.3	970.3	917.9	799.8	747.4	734.3
60°	19091.3	17268.7	7382.1	2334.0	1153.9	904.7	865.4	917.9	760.5	708.1	694.9
62.5°	19170.0	16822.9	7211.7	2320.9	1140.8	839.2	786.7	878.5	721.2	668.7	642.5
65°	18671.7	15918.2	6739.6	2268.4	1127.6	773.6	734.3	760.5	668.7	629.4	603.2
67.5°	17675.2	14449.6	6057.8	2242.2	1114.5	721.2	668.7	655.6	616.3	576.9	550.7
70°	15354.3	12535.2	5258.0	2124.2	1088.3	681.8	603.2	590.0	550.7	524.5	511.4
72.5°	12889.3	10253.7	4340.1	1966.8	1035.9	616.3	550.7	524.5	511.4	472.0	458.9
75°	9873.5	7893.5	3474.7	1743.9	904.7	550.7	485.1	458.9	445.8	419.6	406.5
77.5°	6936.3	5874.2	2570.0	1416.1	760.5	498.3	432.7	406.5	393.4	354.0	354.0
80°	4707.3	4117.2	1743.9	983.4	590.0	406.5	380.3	354.0	327.8	301.6	301.6
82.5°	2924.0	2884.7	1258.8	642.5	432.7	327.8	301.6	301.6	262.2	236.0	236.0
85°	1337.4	1770.1	878.5	445.8	327.8	249.1	249.1	236.0	209.8	170.5	170.5
87.5°	419.6	590.0	458.9	196.7	183.6	144.2	144.2	131.1	131.1	104.9	104.9
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: P598889
 CATALOG NUMBER: IFLD-S-SA6C-727-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8
2.5°	8273.8	8260.7	8260.7	8208.2	8339.3	8339.3	8418.0	8352.4	8391.8	8404.9	8509.8
5°	6569.2	6674.1	6752.8	6910.1	7001.9	7041.2	7041.2	7146.1	7106.8	7185.5	7342.8
7.5°	4812.2	4943.3	5179.3	5376.0	5533.3	5585.8	5572.7	5598.9	5638.2	5546.4	5572.7
10°	3894.3	3802.5	3881.2	4064.8	4209.0	4379.5	4248.3	4235.2	4274.6	4235.2	4313.9
12.5°	3251.8	3146.9	3081.4	3081.4	3186.3	3264.9	3225.6	3291.2	3435.4	3474.7	3566.5
15°	2635.5	2543.8	2491.3	2425.7	2530.6	2556.9	2596.2	2688.0	2792.9	2845.3	2950.2
17.5°	2111.1	2111.1	2111.1	2058.6	2097.9	2137.3	2150.4	2268.4	2281.5	2334.0	2373.3
20°	1730.8	1770.1	1835.7	1861.9	1901.3	1901.3	1875.0	1940.6	1888.2	1927.5	1953.7
22.5°	1560.3	1612.8	1639.0	1652.1	1704.6	1717.7	1652.1	1665.2	1678.4	1639.0	1652.1
25°	1468.6	1494.8	1468.6	1481.7	1494.8	1468.6	1481.7	1507.9	1494.8	1521.0	1507.9
27.5°	1429.2	1403.0	1389.9	1376.8	1376.8	1350.6	1363.7	1363.7	1389.9	1403.0	1403.0
30°	1429.2	1389.9	1337.4	1298.1	1298.1	1258.8	1285.0	1311.2	1324.3	1350.6	1350.6
32.5°	1468.6	1389.9	1298.1	1258.8	1219.4	1193.2	1219.4	1258.8	1311.2	1324.3	1337.4
35°	1167.0	1206.3	1193.2	1140.8	1127.6	1127.6	1114.5	1114.5	1075.2	1075.2	1062.1
37.5°	1049.0	1035.9	1062.1	1075.2	1088.3	1049.0	1049.0	996.5	983.4	996.5	996.5
40°	983.4	983.4	983.4	1022.7	1035.9	1009.6	970.3	944.1	944.1	944.1	957.2
42.5°	957.2	931.0	917.9	944.1	983.4	957.2	917.9	904.7	904.7	917.9	917.9
45°	917.9	904.7	891.6	878.5	931.0	891.6	878.5	865.4	865.4	865.4	878.5
47.5°	878.5	865.4	839.2	839.2	852.3	839.2	826.1	826.1	826.1	852.3	852.3
50°	852.3	839.2	813.0	813.0	813.0	813.0	799.8	799.8	799.8	813.0	826.1
52.5°	813.0	799.8	786.7	773.6	773.6	773.6	773.6	773.6	773.6	786.7	799.8
55°	773.6	760.5	747.4	747.4	760.5	760.5	747.4	760.5	747.4	760.5	773.6
57.5°	734.3	721.2	708.1	721.2	734.3	721.2	721.2	721.2	721.2	721.2	734.3
60°	681.8	681.8	681.8	681.8	708.1	708.1	708.1	708.1	681.8	694.9	708.1
62.5°	655.6	642.5	642.5	655.6	668.7	668.7	681.8	668.7	655.6	668.7	668.7
65°	603.2	603.2	603.2	616.3	616.3	629.4	629.4	629.4	616.3	629.4	629.4
67.5°	563.8	563.8	563.8	563.8	590.0	590.0	590.0	590.0	576.9	576.9	590.0
70°	498.3	511.4	498.3	524.5	550.7	537.6	550.7	550.7	537.6	524.5	550.7
72.5°	458.9	458.9	458.9	458.9	498.3	498.3	498.3	511.4	498.3	485.1	498.3
75°	406.5	406.5	406.5	419.6	445.8	445.8	445.8	445.8	445.8	432.7	432.7
77.5°	354.0	367.1	354.0	367.1	393.4	380.3	393.4	406.5	393.4	380.3	380.3
80°	301.6	301.6	301.6	314.7	327.8	327.8	327.8	340.9	327.8	314.7	314.7
82.5°	236.0	236.0	249.1	249.1	262.2	262.2	262.2	275.4	262.2	249.1	249.1
85°	183.6	183.6	183.6	196.7	196.7	209.8	209.8	222.9	222.9	209.8	209.8
87.5°	118.0	104.9	118.0	118.0	131.1	131.1	118.0	104.9	118.0	104.9	91.8
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: P598889
 CATALOG NUMBER: IFLD-S-SA6C-727-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8	9440.8
2.5°	8614.7	8850.7	9021.2	9139.2	9309.6	9637.4	9768.6	10004.6	10070.1	10109.5
5°	7408.4	7657.5	8024.6	8286.9	8588.5	9204.7	9676.8	10030.8	10188.1	10332.4
7.5°	5808.7	6136.5	6516.7	6857.7	7355.9	8116.4	8732.7	9467.0	9742.3	9886.6
10°	4536.8	4838.4	5258.0	5677.6	6372.5	7015.0	7893.5	8562.2	8942.5	9047.4
12.5°	3828.8	4182.8	4681.0	5192.4	5625.1	6359.4	7251.0	8221.3	8575.4	8640.9
15°	3251.8	3737.0	4248.3	4772.8	5271.1	5913.6	6870.8	8050.9	8575.4	8640.9
17.5°	2688.0	3120.7	3723.9	4287.7	4864.6	5743.1	6936.3	8195.1	8719.6	8916.3
20°	2137.3	2556.9	3028.9	3737.0	4523.7	5454.7	7080.6	8680.2	9375.2	9585.0
22.5°	1770.1	1953.7	2412.6	3094.5	4025.4	5258.0	7224.8	9440.8	10175.0	10253.7
25°	1547.2	1678.4	1966.8	2609.3	3632.1	5126.9	7565.7	10319.3	11263.3	11263.3
27.5°	1442.3	1494.8	1691.5	2268.4	3356.7	5008.8	7906.6	11289.6	12168.1	12351.7
30°	1416.1	1547.2	1652.1	2019.3	3055.1	4681.0	8221.3	12050.1	12954.8	12967.9
32.5°	1389.9	1363.7	1442.3	1757.0	2688.0	4340.1	8483.6	12823.7	13531.7	13571.1
35°	1088.3	1140.8	1271.9	1547.2	2412.6	4091.0	8614.7	13243.3	14266.0	14305.4
37.5°	1022.7	1088.3	1193.2	1429.2	2229.1	3881.2	8654.0	14056.2	15039.6	15118.3
40°	996.5	1049.0	1127.6	1324.3	2084.8	3619.0	8732.7	14895.4	16180.4	16075.5
42.5°	944.1	1009.6	1088.3	1271.9	1966.8	3422.3	8745.8	15354.3	16783.6	16783.6
45°	931.0	970.3	1062.1	1271.9	1835.7	3251.8	8536.0	15813.3	17478.5	17268.7
47.5°	878.5	957.2	1035.9	1232.5	1678.4	3081.4	8286.9	16049.3	17570.3	17504.7
50°	865.4	944.1	1075.2	1167.0	1586.6	3002.7	8234.4	16639.3	17753.9	17740.7
52.5°	839.2	917.9	1114.5	1114.5	1468.6	2897.8	8483.6	16901.6	17793.2	17898.1
55°	799.8	917.9	1035.9	1022.7	1363.7	2766.7	8758.9	17583.4	18488.1	18461.9
57.5°	773.6	891.6	983.4	931.0	1245.7	2674.9	9165.4	18239.0	19327.3	19143.8
60°	734.3	891.6	878.5	865.4	1153.9	2596.2	9506.3	18370.1	19510.9	19628.9
62.5°	708.1	931.0	773.6	799.8	1075.2	2556.9	9362.1	17386.7	19261.8	19366.7
65°	681.8	799.8	708.1	734.3	1049.0	2478.2	8798.3	16206.6	18186.6	18645.5
67.5°	629.4	655.6	655.6	681.8	1022.7	2294.6	7644.4	14082.5	16547.5	16796.7
70°	576.9	590.0	590.0	629.4	996.5	2084.8	6306.9	12181.2	14357.8	14829.9
72.5°	524.5	524.5	524.5	576.9	917.9	1914.4	5192.4	9362.1	11932.1	12259.9
75°	458.9	458.9	458.9	511.4	826.1	1743.9	4091.0	6962.6	8785.1	9257.2
77.5°	406.5	406.5	393.4	458.9	721.2	1416.1	2950.2	4917.1	6188.9	6582.3
80°	340.9	327.8	327.8	367.1	563.8	1022.7	1901.3	3474.7	4313.9	4484.4
82.5°	275.4	262.2	249.1	275.4	406.5	642.5	1180.1	2425.7	2766.7	2661.8
85°	262.2	275.4	222.9	209.8	288.5	419.6	747.4	1494.8	1245.7	1245.7
87.5°	104.9	91.8	91.8	78.7	144.2	157.3	327.8	275.4	209.8	209.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)