

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: P599063

Luminaire Tested: **IFLD-S-SA6C-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: P599063
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6C-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

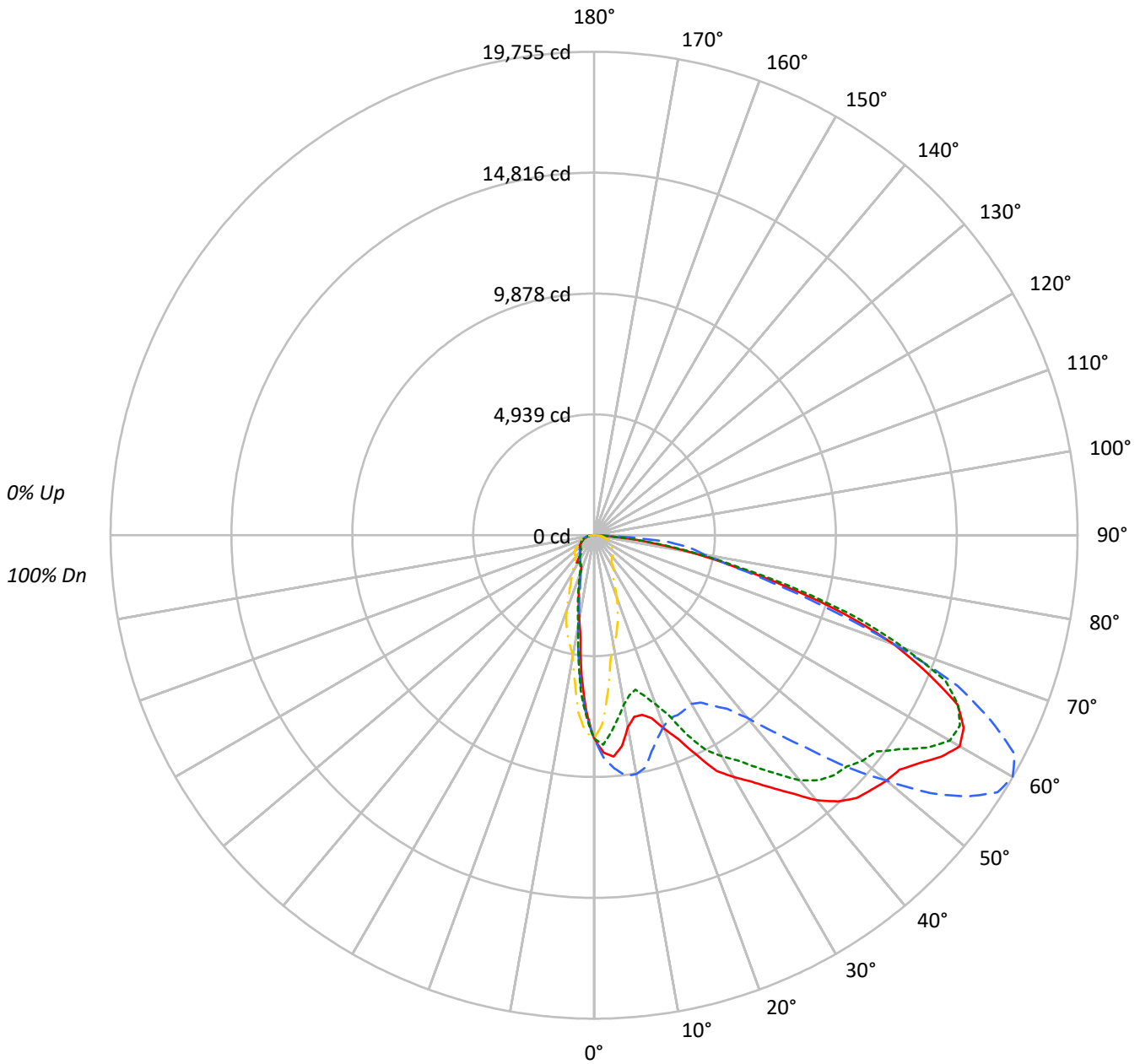
Lumens per Lamp: N/A
 Luminaire Lumens: 25981.5 lumens
 Efficiency: N/A
 Efficacy: 80.8 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	59548	59548	59548	59548
5°	65422	58115	41677	45496
10°	57948	51145	25279	27126
15°	56426	48548	17895	18580
20°	64338	56153	11706	12938
25°	78389	71180	10221	10586
30°	94450	86333	10600	9836
35°	110153	101370	8784	8279
40°	132365	122433	8205	7773
45°	154041	140707	8304	7720
50°	174088	159935	8492	7978
55°	203025	190624	8796	8364
60°	247622	240840	8766	8766
65°	278284	278676	9003	9393
70°	273494	283167	9431	9672
75°	225604	240623	9906	10544
80°	162889	170985	10955	11430
85°	90148	96793	12334	15183

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.7	2.5
10°-20°	1361.1	5.2
20°-30°	1991.5	7.7
30°-40°	2805.8	10.8
40°-50°	3856.1	14.8
50°-60°	5255.4	20.2
60°-70°	5751.8	22.1
70°-80°	3320.7	12.8
80°-90°	994.4	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°	3997.2	15.4
0°-40°	6803.1	26.2
0°-60°	15914.6	61.3
0°-90°	25981.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25981.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8298	8298	8298	8298	8298	
5°	9082	8068	5786	6316	9082	825
15°	7595	6535	2409	2501	7595	2219
25°	9900	8990	1291	1337	9900	4636
35°	12574	11572	1003	945	12574	7973
45°	15179	13865	818	761	15179	11666
55°	16228	15237	703	668	16228	14642
65°	16389	16412	530	553	16389	15686
75°	8137	8679	357	380	8137	8741
85°	1095	1176	150	184	1095	1519
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°	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3
2.5°	8886.1	8851.6	8886.1	9012.9	9047.5	9105.1	9105.1	9024.4	8874.6	8805.5	8690.2
5°	9082.1	9024.4	9312.6	9577.7	9785.1	9762.1	9566.1	9404.8	9105.1	8655.6	8229.2
7.5°	8690.2	8747.8	8955.3	9646.8	10130.9	10223.1	9911.9	9589.2	8943.8	8321.4	7745.1
10°	7952.6	8033.2	8482.7	9197.3	9958.0	10107.8	9911.9	9520.0	8747.8	7975.6	7307.1
12.5°	7595.3	7779.7	8044.8	8909.2	9450.9	9808.2	9716.0	9462.4	8598.0	7687.5	7042.1
15°	7595.3	7641.4	8033.2	8759.4	9070.5	9082.1	9116.6	9162.7	8644.1	7814.3	6949.9
17.5°	7837.3	7964.1	8298.3	8747.8	8805.5	8667.2	8667.2	8863.1	8736.3	8171.6	7284.1
20°	8425.1	8379.0	8817.0	9001.4	8690.2	8344.4	8309.9	8644.1	8840.0	8551.9	7894.9
22.5°	9012.9	9220.4	9577.7	9162.7	8586.5	8125.5	8079.4	8494.3	9151.2	9208.8	8598.0
25°	9900.4	10107.8	10292.2	9785.1	8574.9	8067.8	8102.4	8425.1	9531.6	10142.4	9773.6
27.5°	10857.0	10983.8	11248.9	10465.1	8851.6	7998.7	8033.2	8517.3	9888.8	10753.3	10695.6
30°	11398.7	11537.0	11479.4	10591.9	9036.0	8044.8	7952.6	8644.1	9692.9	10753.3	11295.0
32.5°	11928.9	11848.2	11813.6	10799.4	9266.5	8332.9	8102.4	8909.2	9808.2	10926.1	12067.2
35°	12574.3	12459.0	12366.8	11202.8	9646.8	8609.5	8505.8	9254.9	10061.7	11283.4	12689.5
37.5°	13288.9	13288.9	12839.4	11502.4	10096.3	9059.0	8943.8	9750.5	10465.1	11502.4	13542.4
40°	14130.2	14164.8	13369.5	11905.8	10603.4	9773.6	9739.0	10396.0	10857.0	11825.1	14360.7
42.5°	14752.6	14775.6	13830.6	12055.6	11191.2	10764.8	10914.6	11433.3	11306.5	12113.3	14418.4
45°	15179.0	15063.8	14153.3	12482.1	11836.7	12251.6	12297.7	12447.5	11894.3	12286.1	14648.9
47.5°	15386.5	15363.4	14291.6	12977.7	13196.7	13761.4	14026.5	13819.0	12436.0	12101.7	14648.9
50°	15594.0	15398.0	14418.4	13657.7	14522.1	15663.1	15605.5	15225.1	13185.1	12332.2	14429.9
52.5°	15732.3	15559.4	14671.9	14268.5	15789.9	17080.7	17311.2	16608.2	14061.1	12758.7	14533.6
55°	16227.9	16089.6	15432.6	15098.4	17253.6	18579.1	18613.6	17634.0	14983.1	13461.7	15213.6
57.5°	16827.2	16907.9	16481.4	16274.0	18371.6	19674.0	19547.2	18394.6	15766.8	14314.6	15997.3
60°	17253.6	17380.4	17276.7	17299.7	18924.8	20042.8	19754.6	18867.2	16343.1	14960.1	16954.0
62.5°	17023.1	17276.7	17703.1	17610.9	18947.9	19777.7	19374.3	18244.8	16412.3	15801.4	17680.1
65°	16389.2	16412.3	17242.1	17749.2	17910.6	18406.2	17876.0	16942.4	15697.7	16320.1	17576.3
67.5°	14764.1	14948.5	15697.7	16688.9	16008.9	16124.1	16078.0	14729.5	14614.3	15962.8	16781.1
70°	13035.3	13162.1	13980.4	15144.5	13519.4	12977.7	13081.4	12078.7	12551.2	14856.3	15179.0
72.5°	10776.3	10857.0	11790.6	12816.3	10845.5	9877.3	10119.4	9301.1	9969.5	13000.7	12804.8
75°	8137.0	8286.8	9012.9	10223.1	7987.1	7364.8	7606.8	7272.6	7894.9	10707.2	9935.0
77.5°	5785.8	5670.5	6569.5	7998.7	6004.8	5636.0	5659.0	5716.6	6385.1	9024.4	7134.3
80°	3941.7	3976.3	4783.1	5866.5	4713.9	4656.3	4598.7	5059.7	5359.3	7145.8	5186.5
82.5°	2339.7	2339.7	3227.1	4172.2	3722.7	4195.3	3930.2	4345.1	4195.3	5255.6	3400.0
85°	1094.9	1094.9	1659.7	3008.1	2881.4	3457.6	2939.0	3284.8	3100.4	3665.1	1532.9
87.5°	184.4	161.4	334.2	1475.3	1187.1	1348.5	530.2	1751.9	1947.8	2558.7	380.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3
2.5°	8563.4	8482.7	8321.4	8113.9	7941.0	7722.1	7652.9	7503.1	7295.6	7272.6	7180.4
5°	8067.8	7791.2	7445.5	7019.0	6730.9	6431.2	6177.6	6027.8	5854.9	5831.9	5785.8
7.5°	7526.1	7180.4	6604.1	6097.0	5601.4	5128.8	4898.3	4610.2	4414.3	4264.4	4195.3
10°	7019.0	6696.3	5981.7	5290.2	4852.2	4541.0	4264.4	3964.8	3722.7	3538.3	3469.2
12.5°	6684.8	6304.4	5532.2	4875.3	4552.6	4195.3	3884.1	3561.4	3250.2	3008.1	2881.4
15°	6534.9	6177.6	5393.9	4667.8	4195.3	3699.7	3342.4	3019.7	2639.3	2466.4	2408.8
17.5°	6892.2	6362.1	5347.8	4425.8	3757.3	3192.6	2754.6	2408.8	2132.2	1959.3	1890.2
20°	7353.2	6696.3	5428.5	4137.6	3342.4	2708.5	2224.4	1855.6	1671.2	1544.4	1532.9
22.5°	7941.0	7191.9	5555.3	3930.2	2881.4	2178.3	1740.3	1521.4	1394.6	1383.1	1360.0
25°	8989.9	8090.9	5762.7	3653.6	2512.6	1798.0	1486.8	1360.0	1302.4	1267.8	1290.9
27.5°	9888.8	8678.7	5912.6	3480.7	2362.7	1694.2	1440.7	1302.4	1244.8	1233.2	1244.8
30°	10419.0	9220.4	5866.5	3158.0	2063.1	1613.6	1532.9	1486.8	1371.5	1279.3	1279.3
32.5°	10903.1	9566.1	5854.9	2869.8	1763.4	1348.5	1279.3	1244.8	1313.9	1360.0	1325.4
35°	11571.6	10107.8	5820.4	2708.5	1636.6	1244.8	1129.5	1037.3	991.2	968.1	1002.7
37.5°	12286.1	10476.6	5728.2	2685.4	1567.5	1187.1	1094.9	1002.7	956.6	933.6	922.0
40°	13069.9	10868.5	5624.4	2570.2	1532.9	1152.5	1060.3	979.7	922.0	887.5	875.9
42.5°	13577.0	11179.7	5520.7	2512.6	1463.7	1129.5	1025.8	956.6	899.0	852.9	852.9
45°	13865.1	11548.5	5417.0	2454.9	1383.1	1141.0	1025.8	933.6	864.4	841.4	818.3
47.5°	13991.9	11825.1	5382.4	2362.7	1313.9	1094.9	1002.7	910.5	841.4	795.3	783.7
50°	14326.2	12412.9	5509.2	2293.6	1233.2	1048.8	1060.3	899.0	829.8	772.2	760.7
52.5°	14522.1	12885.5	5785.8	2189.8	1175.6	991.2	1037.3	875.9	795.3	737.6	737.6
55°	15236.7	13669.2	6085.4	2109.2	1106.4	910.5	956.6	829.8	737.6	703.1	703.1
57.5°	16147.2	14499.0	6339.0	2074.6	1060.3	852.9	852.9	806.8	703.1	657.0	645.4
60°	16781.1	15179.0	6488.8	2051.5	1014.2	795.3	760.7	806.8	668.5	622.4	610.8
62.5°	16850.2	14787.2	6339.0	2040.0	1002.7	737.6	691.5	772.2	633.9	587.8	564.7
65°	16412.3	13991.9	5924.1	1993.9	991.2	680.0	645.4	668.5	587.8	553.2	530.2
67.5°	15536.3	12701.1	5324.8	1970.9	979.7	633.9	587.8	576.3	541.7	507.1	484.1
70°	13496.3	11018.3	4621.7	1867.1	956.6	599.3	530.2	518.6	484.1	461.0	449.5
72.5°	11329.5	9012.9	3814.9	1728.8	910.5	541.7	484.1	461.0	449.5	414.9	403.4
75°	8678.7	6938.3	3054.2	1532.9	795.3	484.1	426.4	403.4	391.9	368.8	357.3
77.5°	6097.0	5163.4	2259.0	1244.8	668.5	438.0	380.3	357.3	345.8	311.2	311.2
80°	4137.6	3619.0	1532.9	864.4	518.6	357.3	334.2	311.2	288.1	265.1	265.1
82.5°	2570.2	2535.6	1106.4	564.7	380.3	288.1	265.1	265.1	230.5	207.5	207.5
85°	1175.6	1555.9	772.2	391.9	288.1	219.0	219.0	207.5	184.4	149.8	149.8
87.5°	368.8	518.6	403.4	172.9	161.4	126.8	126.8	115.3	115.3	92.2	92.2
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°	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3
2.5°	7272.6	7261.0	7261.0	7214.9	7330.2	7330.2	7399.3	7341.7	7376.3	7387.8	7480.0
5°	5774.3	5866.5	5935.6	6073.9	6154.6	6189.2	6189.2	6281.4	6246.8	6316.0	6454.3
7.5°	4229.8	4345.1	4552.6	4725.4	4863.7	4909.8	4898.3	4921.4	4956.0	4875.3	4898.3
10°	3423.1	3342.4	3411.5	3572.9	3699.7	3849.5	3734.3	3722.7	3757.3	3722.7	3791.9
12.5°	2858.3	2766.1	2708.5	2708.5	2800.7	2869.8	2835.3	2892.9	3019.7	3054.2	3134.9
15°	2316.6	2235.9	2189.8	2132.2	2224.4	2247.5	2282.0	2362.7	2454.9	2501.0	2593.2
17.5°	1855.6	1855.6	1855.6	1809.5	1844.1	1878.7	1890.2	1993.9	2005.4	2051.5	2086.1
20°	1521.4	1555.9	1613.6	1636.6	1671.2	1671.2	1648.1	1705.8	1659.7	1694.2	1717.3
22.5°	1371.5	1417.6	1440.7	1452.2	1498.3	1509.8	1452.2	1463.7	1475.3	1440.7	1452.2
25°	1290.9	1313.9	1290.9	1302.4	1313.9	1290.9	1302.4	1325.4	1313.9	1337.0	1325.4
27.5°	1256.3	1233.2	1221.7	1210.2	1210.2	1187.1	1198.6	1198.6	1221.7	1233.2	1233.2
30°	1256.3	1221.7	1175.6	1141.0	1141.0	1106.4	1129.5	1152.5	1164.1	1187.1	1187.1
32.5°	1290.9	1221.7	1141.0	1106.4	1071.9	1048.8	1071.9	1106.4	1152.5	1164.1	1175.6
35°	1025.8	1060.3	1048.8	1002.7	991.2	991.2	979.7	979.7	945.1	945.1	933.6
37.5°	922.0	910.5	933.6	945.1	956.6	922.0	922.0	875.9	864.4	875.9	875.9
40°	864.4	864.4	864.4	899.0	910.5	887.5	852.9	829.8	829.8	829.8	841.4
42.5°	841.4	818.3	806.8	829.8	864.4	841.4	806.8	795.3	795.3	806.8	806.8
45°	806.8	795.3	783.7	772.2	818.3	783.7	772.2	760.7	760.7	760.7	772.2
47.5°	772.2	760.7	737.6	737.6	749.2	737.6	726.1	726.1	726.1	749.2	749.2
50°	749.2	737.6	714.6	714.6	714.6	714.6	703.1	703.1	703.1	714.6	726.1
52.5°	714.6	703.1	691.5	680.0	680.0	680.0	680.0	680.0	680.0	691.5	703.1
55°	680.0	668.5	657.0	657.0	668.5	668.5	657.0	668.5	657.0	668.5	680.0
57.5°	645.4	633.9	622.4	633.9	645.4	633.9	633.9	633.9	633.9	633.9	645.4
60°	599.3	599.3	599.3	599.3	622.4	622.4	622.4	622.4	599.3	610.8	622.4
62.5°	576.3	564.7	564.7	576.3	587.8	587.8	599.3	587.8	576.3	587.8	587.8
65°	530.2	530.2	530.2	541.7	541.7	553.2	553.2	553.2	541.7	553.2	553.2
67.5°	495.6	495.6	495.6	495.6	518.6	518.6	518.6	518.6	507.1	507.1	518.6
70°	438.0	449.5	438.0	461.0	484.1	472.5	484.1	484.1	472.5	461.0	484.1
72.5°	403.4	403.4	403.4	403.4	438.0	438.0	438.0	449.5	438.0	426.4	438.0
75°	357.3	357.3	357.3	368.8	391.9	391.9	391.9	391.9	391.9	380.3	380.3
77.5°	311.2	322.7	311.2	322.7	345.8	334.2	345.8	357.3	345.8	334.2	334.2
80°	265.1	265.1	265.1	276.6	288.1	288.1	288.1	299.7	288.1	276.6	276.6
82.5°	207.5	207.5	219.0	219.0	230.5	230.5	230.5	242.0	230.5	219.0	219.0
85°	161.4	161.4	161.4	172.9	172.9	184.4	184.4	195.9	195.9	184.4	184.4
87.5°	103.7	92.2	103.7	103.7	115.3	115.3	103.7	92.2	103.7	92.2	80.7
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: P599063
 CATALOG NUMBER: IFLD-S-SA6C-827-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3	8298.3
2.5°	7572.2	7779.7	7929.5	8033.2	8183.1	8471.2	8586.5	8793.9	8851.6	8886.1
5°	6511.9	6730.9	7053.6	7284.1	7549.2	8090.9	8505.8	8817.0	8955.3	9082.1
7.5°	5105.8	5393.9	5728.2	6027.8	6465.8	7134.3	7676.0	8321.4	8563.4	8690.2
10°	3987.8	4252.9	4621.7	4990.5	5601.4	6166.1	6938.3	7526.1	7860.4	7952.6
12.5°	3365.4	3676.6	4114.6	4564.1	4944.4	5589.9	6373.6	7226.5	7537.7	7595.3
15°	2858.3	3284.8	3734.3	4195.3	4633.2	5198.0	6039.3	7076.6	7537.7	7595.3
17.5°	2362.7	2743.1	3273.2	3768.8	4275.9	5048.2	6097.0	7203.4	7664.4	7837.3
20°	1878.7	2247.5	2662.4	3284.8	3976.3	4794.6	6223.8	7629.9	8240.7	8425.1
22.5°	1555.9	1717.3	2120.7	2720.0	3538.3	4621.7	6350.5	8298.3	8943.8	9012.9
25°	1360.0	1475.3	1728.8	2293.6	3192.6	4506.5	6650.2	9070.5	9900.4	9900.4
27.5°	1267.8	1313.9	1486.8	1993.9	2950.5	4402.7	6949.9	9923.4	10695.6	10857.0
30°	1244.8	1360.0	1452.2	1774.9	2685.4	4114.6	7226.5	10591.9	11387.2	11398.7
32.5°	1221.7	1198.6	1267.8	1544.4	2362.7	3814.9	7457.0	11271.9	11894.3	11928.9
35°	956.6	1002.7	1118.0	1360.0	2120.7	3595.9	7572.2	11640.7	12539.7	12574.3
37.5°	899.0	956.6	1048.8	1256.3	1959.3	3411.5	7606.8	12355.3	13219.7	13288.9
40°	875.9	922.0	991.2	1164.1	1832.5	3181.0	7676.0	13092.9	14222.4	14130.2
42.5°	829.8	887.5	956.6	1118.0	1728.8	3008.1	7687.5	13496.3	14752.6	14752.6
45°	818.3	852.9	933.6	1118.0	1613.6	2858.3	7503.1	13899.7	15363.4	15179.0
47.5°	772.2	841.4	910.5	1083.4	1475.3	2708.5	7284.1	14107.2	15444.1	15386.5
50°	760.7	829.8	945.1	1025.8	1394.6	2639.3	7238.0	14625.8	15605.5	15594.0
52.5°	737.6	806.8	979.7	979.7	1290.9	2547.1	7457.0	14856.3	15640.1	15732.3
55°	703.1	806.8	910.5	899.0	1198.6	2431.9	7699.0	15455.6	16250.9	16227.9
57.5°	680.0	783.7	864.4	818.3	1094.9	2351.2	8056.3	16031.9	16988.5	16827.2
60°	645.4	783.7	772.2	760.7	1014.2	2282.0	8356.0	16147.2	17149.9	17253.6
62.5°	622.4	818.3	680.0	703.1	945.1	2247.5	8229.2	15282.8	16930.9	17023.1
65°	599.3	703.1	622.4	645.4	922.0	2178.3	7733.6	14245.5	15985.8	16389.2
67.5°	553.2	576.3	576.3	599.3	899.0	2017.0	6719.3	12378.4	14545.1	14764.1
70°	507.1	518.6	518.6	553.2	875.9	1832.5	5543.7	10707.2	12620.4	13035.3
72.5°	461.0	461.0	461.0	507.1	806.8	1682.7	4564.1	8229.2	10488.2	10776.3
75°	403.4	403.4	403.4	449.5	726.1	1532.9	3595.9	6120.0	7722.1	8137.0
77.5°	357.3	357.3	345.8	403.4	633.9	1244.8	2593.2	4322.0	5440.0	5785.8
80°	299.7	288.1	288.1	322.7	495.6	899.0	1671.2	3054.2	3791.9	3941.7
82.5°	242.0	230.5	219.0	242.0	357.3	564.7	1037.3	2132.2	2431.9	2339.7
85°	230.5	242.0	195.9	184.4	253.6	368.8	657.0	1313.9	1094.9	1094.9
87.5°	92.2	80.7	80.7	69.2	126.8	138.3	288.1	242.0	184.4	184.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)