

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: P598814

Luminaire Tested: **IFLD-L-SA7E-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: P598814
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7E-827-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (112) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

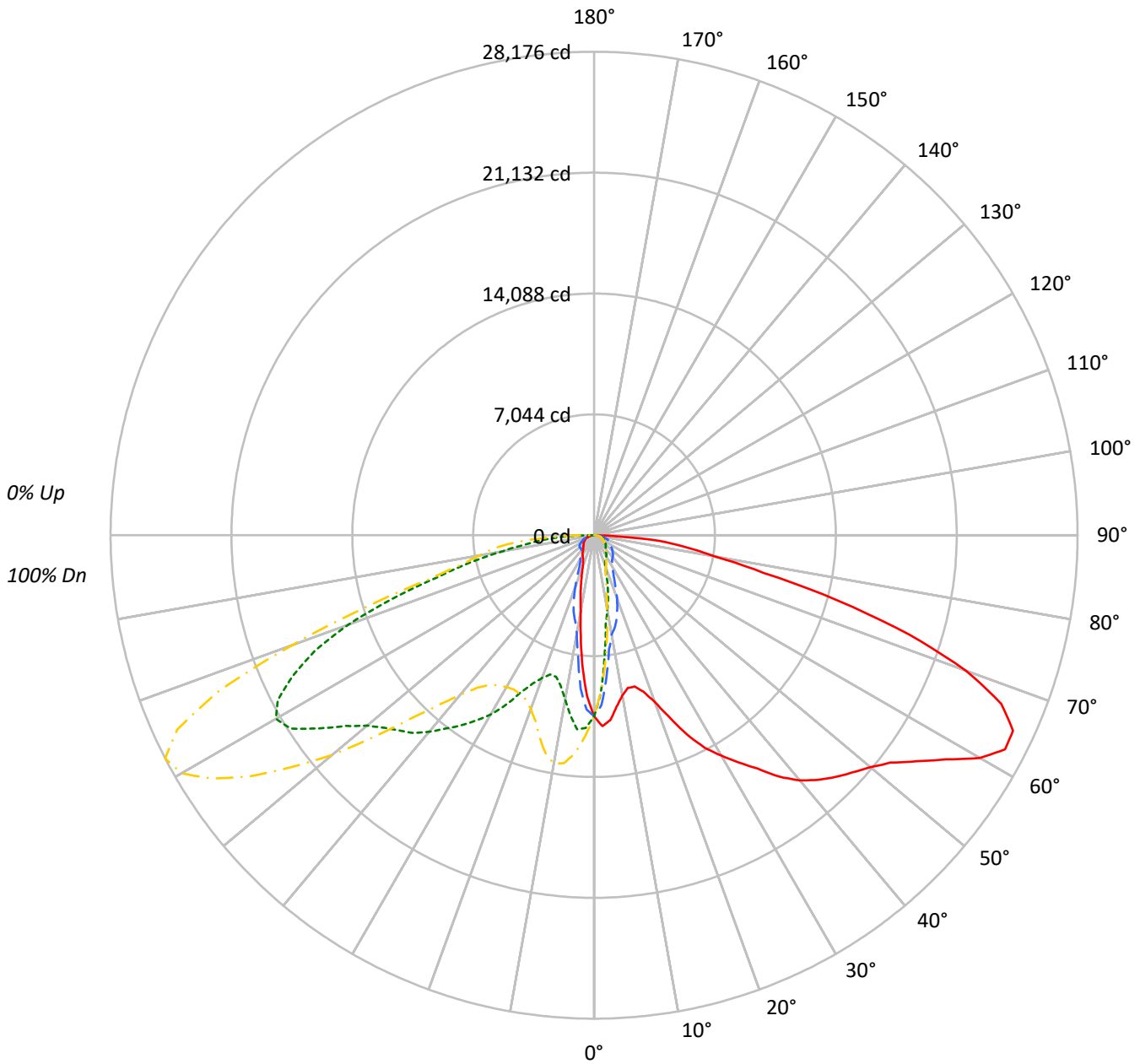
Lumens per Lamp: N/A
 Luminaire Lumens: 35296.8 lumens
 Efficiency: N/A
 Efficacy: 66.3 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 532.7
 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	56746	56746	56746	56746
5°	58399	37975	41486	61351
10°	51811	24130	24372	53022
15°	50849	17114	16209	47558
20°	59120	10826	10911	50662
25°	76030	9295	9032	59894
30°	92139	8810	8260	74977
35°	109054	7762	7471	88873
40°	131035	7366	6847	104995
45°	151623	7306	6632	122400
50°	176069	7418	6677	144539
55°	215466	7621	6790	184151
60°	279440	7629	7153	230323
65°	343018	7711	7334	246544
70°	362968	8134	7668	240043
75°	305539	8598	7677	195913
80°	221978	10070	7779	169345
85°	235265	14592	6385	175997

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	816.0	2.3
10°-20°	1707.8	4.8
20°-30°	2461.1	7.0
30°-40°	3543.0	10.0
40°-50°	5032.6	14.3
50°-60°	7235.4	20.5
60°-70°	8359.3	23.7
70°-80°	4733.2	13.4
80°-90°	1408.6	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°	4984.9	14.1
0°-40°	8527.9	24.2
0°-60°	20795.8	58.9
0°-90°	35296.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35296.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10544	10544	10544	10544	10544	
5°	10810	7029	7679	11356	10810	981
15°	9126	3072	2909	8536	9126	2684
25°	12803	1565	1521	10086	12803	5943
35°	16598	1181	1137	13527	16598	10534
45°	19921	960	871	16082	19921	15425
55°	22963	812	724	19626	22963	20797
65°	26936	606	576	19360	26936	25829
75°	14693	414	369	9422	14693	15590
85°	3810	236	103	2850	3810	3794
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°	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8
2.5°	11134.5	11119.7	11031.1	10750.6	10455.2	10174.6	9908.8	9628.2	9480.6	9303.4	9229.5
5°	10809.6	10780.1	10529.0	9908.8	9362.4	8771.7	8269.7	7870.9	7546.1	7221.2	7103.0
7.5°	10071.3	10027.0	9731.6	8875.1	8077.7	7309.8	6704.3	6187.5	5759.2	5567.3	5345.7
10°	9480.6	9406.7	9022.8	8077.7	7044.0	6276.1	5877.4	5522.9	5153.8	4843.7	4518.8
12.5°	9111.4	9022.8	8624.1	7516.5	6512.4	5936.4	5522.9	5124.2	4666.4	4282.5	3928.1
15°	9126.2	9022.8	8535.5	7368.9	6379.4	5641.1	5065.2	4518.8	3987.2	3558.9	3160.2
17.5°	9554.4	9421.5	8904.6	7575.6	6276.1	5257.1	4489.2	3780.4	3175.0	2717.2	2392.3
20°	10322.3	10233.7	9643.0	7885.7	6172.7	4843.7	3898.6	3042.1	2407.1	2052.6	1919.7
22.5°	11474.1	11370.8	10735.8	8358.3	6143.2	4474.5	3263.6	2392.3	1934.5	1786.8	1713.0
25°	12803.2	12611.2	12020.5	9155.7	6202.2	4134.8	2746.7	1978.8	1727.8	1624.4	1580.1
27.5°	13955.0	13836.9	13172.4	9908.8	6231.8	3869.0	2392.3	1801.6	1609.6	1521.0	1491.5
30°	14826.3	14782.0	14132.3	10735.8	6157.9	3544.1	2170.8	1727.8	1609.6	1521.0	1432.4
32.5°	15697.6	15712.3	15018.3	11370.8	6054.6	3263.6	1964.0	1535.8	1417.7	1358.6	1373.4
35°	16598.4	16672.2	16081.5	11991.0	5833.1	3160.2	1816.4	1432.4	1329.1	1240.4	1196.1
37.5°	17735.5	17927.4	17351.5	12685.1	5611.6	3071.6	1742.5	1358.6	1255.2	1181.4	1122.3
40°	18651.0	19005.4	18665.8	13334.8	5463.9	2968.2	1683.5	1284.8	1210.9	1122.3	1078.0
42.5°	19330.3	19743.8	19625.7	13836.9	5463.9	2864.8	1624.4	1240.4	1181.4	1078.0	1018.9
45°	19921.0	20349.3	20334.5	14353.8	5582.0	2805.8	1550.6	1240.4	1151.8	1048.5	989.4
47.5°	20452.6	20880.9	21028.6	15003.5	5774.0	2776.2	1462.0	1210.9	1151.8	1033.7	945.1
50°	21028.6	21501.1	21944.1	16037.2	6010.3	2702.4	1402.9	1166.6	1166.6	1018.9	915.6
52.5°	21766.9	22298.5	23110.7	17322.0	6246.5	2569.5	1314.3	1137.1	1166.6	1004.2	886.0
55°	22963.1	23406.1	24469.3	18857.8	6541.9	2407.1	1240.4	1063.2	1107.5	959.9	841.7
57.5°	24306.9	24690.8	25576.9	20039.2	6630.5	2200.3	1137.1	989.4	1063.2	915.6	782.7
60°	25960.8	26152.8	26152.8	20378.8	6335.1	2008.3	1063.2	930.3	959.9	871.3	738.4
62.5°	27009.3	27009.3	26152.8	19758.6	5774.0	1845.9	1004.2	871.3	841.7	812.2	694.1
65°	26935.5	26817.3	25547.3	17957.0	5124.2	1742.5	945.1	797.4	753.1	738.4	649.8
67.5°	25695.0	25488.3	23760.5	15417.0	4444.9	1698.2	886.0	723.6	694.1	664.5	590.7
70°	23066.4	22534.8	20408.3	12404.5	3780.4	1668.7	871.3	664.5	635.0	605.5	546.4
72.5°	19256.5	18577.2	15933.9	9539.6	3175.0	1565.3	827.0	590.7	575.9	546.4	487.3
75°	14693.4	13438.2	11119.7	7295.0	2466.1	1358.6	708.8	516.9	516.9	502.1	443.0
77.5°	10130.3	9480.6	7752.8	5390.0	1801.6	1048.5	575.9	457.8	457.8	472.6	413.5
80°	7162.1	6556.7	5522.9	3869.0	1137.1	708.8	443.0	383.9	428.3	457.8	383.9
82.5°	5478.6	5035.6	4105.3	2820.5	664.5	487.3	339.6	310.1	369.2	398.7	324.9
85°	3809.9	3278.3	2082.2	1890.2	383.9	295.3	251.0	251.0	324.9	398.7	295.3
87.5°	1078.0	457.8	132.9	561.2	162.4	118.1	88.6	59.1	88.6	88.6	59.1
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°	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8
2.5°	9155.7	9067.1	9067.1	9037.6	9052.3	9067.1	9052.3	9155.7	9200.0	9259.1	9377.2
5°	7029.2	7147.3	7058.7	7147.3	7265.5	7442.7	7487.0	7619.9	7634.7	7738.0	7679.0
7.5°	5212.8	5198.1	5124.2	5227.6	5552.5	5803.5	5921.7	5995.5	6010.3	6010.3	5936.4
10°	4415.4	4282.5	4149.6	4075.8	4105.3	4371.1	4459.7	4504.0	4474.5	4518.8	4459.7
12.5°	3780.4	3662.3	3470.3	3337.4	3248.8	3322.6	3411.2	3455.5	3485.1	3558.9	3618.0
15°	3071.6	2953.4	2835.3	2761.5	2687.6	2628.6	2702.4	2746.7	2820.5	2879.6	2909.1
17.5°	2333.2	2274.2	2215.1	2259.4	2259.4	2229.9	2259.4	2274.2	2303.7	2348.0	2333.2
20°	1890.2	1875.4	1860.7	1934.5	1993.6	1993.6	2023.1	1978.8	1964.0	1919.7	1905.0
22.5°	1683.5	1683.5	1698.2	1757.3	1816.4	1845.9	1845.9	1772.1	1698.2	1668.7	1683.5
25°	1565.3	1565.3	1609.6	1624.4	1653.9	1653.9	1668.7	1594.9	1550.6	1506.3	1521.0
27.5°	1476.7	1476.7	1491.5	1491.5	1506.3	1506.3	1521.0	1491.5	1432.4	1417.7	1417.7
30°	1417.7	1417.7	1402.9	1402.9	1402.9	1402.9	1417.7	1373.4	1343.8	1329.1	1329.1
32.5°	1358.6	1343.8	1329.1	1329.1	1314.3	1314.3	1329.1	1284.8	1270.0	1270.0	1270.0
35°	1181.4	1166.6	1181.4	1210.9	1210.9	1225.7	1225.7	1210.9	1181.4	1151.8	1137.1
37.5°	1107.5	1092.8	1092.8	1092.8	1122.3	1137.1	1151.8	1122.3	1078.0	1033.7	1033.7
40°	1048.5	1048.5	1033.7	1033.7	1033.7	1063.2	1092.8	1048.5	989.4	974.6	974.6
42.5°	1004.2	989.4	974.6	959.9	945.1	989.4	1018.9	959.9	930.3	930.3	930.3
45°	959.9	945.1	930.3	915.6	900.8	915.6	945.1	886.0	871.3	871.3	871.3
47.5°	915.6	900.8	871.3	856.5	841.7	841.7	871.3	827.0	812.2	827.0	827.0
50°	886.0	856.5	827.0	812.2	797.4	797.4	797.4	782.7	782.7	782.7	797.4
52.5°	856.5	827.0	782.7	767.9	753.1	753.1	753.1	753.1	738.4	753.1	767.9
55°	812.2	782.7	753.1	738.4	723.6	708.8	723.6	708.8	708.8	723.6	723.6
57.5°	753.1	723.6	694.1	694.1	679.3	679.3	694.1	679.3	679.3	694.1	694.1
60°	708.8	679.3	649.8	649.8	635.0	649.8	664.5	649.8	649.8	649.8	664.5
62.5°	649.8	635.0	605.5	605.5	605.5	605.5	620.2	605.5	620.2	620.2	620.2
65°	605.5	575.9	561.2	561.2	561.2	561.2	590.7	561.2	575.9	575.9	575.9
67.5°	561.2	531.6	516.9	516.9	516.9	516.9	546.4	516.9	531.6	546.4	531.6
70°	516.9	487.3	472.6	472.6	472.6	472.6	487.3	472.6	472.6	487.3	487.3
72.5°	457.8	443.0	428.3	428.3	413.5	428.3	443.0	428.3	428.3	428.3	428.3
75°	413.5	398.7	398.7	383.9	383.9	383.9	398.7	369.2	369.2	369.2	369.2
77.5°	383.9	354.4	354.4	354.4	339.6	354.4	339.6	310.1	310.1	310.1	310.1
80°	324.9	295.3	310.1	310.1	295.3	295.3	280.6	251.0	251.0	251.0	251.0
82.5°	265.8	236.3	251.0	251.0	251.0	251.0	221.5	206.7	192.0	177.2	177.2
85°	236.3	192.0	221.5	221.5	206.7	206.7	147.7	147.7	118.1	118.1	103.4
87.5°	44.3	29.5	59.1	73.8	73.8	88.6	59.1	73.8	44.3	29.5	29.5
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°	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8
2.5°	9362.4	9524.9	9746.4	9908.8	10159.9	10351.8	10647.2	10898.2	11134.5	11237.9	11341.2
5°	7856.2	7959.5	8299.2	8565.0	8963.7	9392.0	9923.6	10499.5	11090.2	11356.0	11666.1
7.5°	5877.4	6069.3	6261.3	6645.3	7132.6	7826.6	8505.9	9362.4	10189.4	10588.1	11119.7
10°	4563.1	4710.8	4932.3	5331.0	5788.8	6364.7	7176.9	8195.8	9185.2	9702.1	10248.5
12.5°	3662.3	3869.0	4164.4	4577.8	5109.5	5700.2	6290.8	7235.9	8387.8	8978.5	9598.7
15°	2968.2	3130.7	3455.5	3972.4	4592.6	5198.1	5818.3	6601.0	7856.2	8535.5	9273.8
17.5°	2362.8	2480.9	2776.2	3293.1	3913.3	4592.6	5301.4	6290.8	7679.0	8505.9	9377.2
20°	1919.7	2008.3	2200.3	2584.3	3175.0	3913.3	4799.4	5995.5	7782.3	8845.6	9908.8
22.5°	1683.5	1713.0	1801.6	2008.3	2495.7	3278.3	4341.6	5744.5	7974.3	9347.7	10780.1
25°	1521.0	1550.6	1580.1	1713.0	1993.6	2731.9	3942.9	5596.8	8387.8	10086.0	11784.3
27.5°	1417.7	1447.2	1462.0	1521.0	1713.0	2333.2	3603.2	5508.2	8949.0	11164.0	13024.7
30°	1329.1	1329.1	1373.4	1462.0	1594.9	2052.6	3307.9	5301.4	9539.6	12064.8	13999.3
32.5°	1255.2	1270.0	1329.1	1373.4	1462.0	1816.4	3012.5	5035.6	10071.3	12803.2	14959.2
35°	1122.3	1122.3	1137.1	1210.9	1329.1	1624.4	2746.7	4769.8	10366.6	13526.8	15815.7
37.5°	1033.7	1048.5	1078.0	1137.1	1240.4	1491.5	2525.2	4474.5	10676.7	14206.1	16819.9
40°	974.6	989.4	1018.9	1078.0	1181.4	1373.4	2333.2	4238.2	11001.6	14944.5	17897.9
42.5°	930.3	945.1	974.6	1033.7	1122.3	1343.8	2126.5	4046.2	11193.6	15623.7	18916.8
45°	886.0	900.8	945.1	1004.2	1078.0	1314.3	2008.3	3913.3	11267.4	16081.5	19729.0
47.5°	841.7	856.5	900.8	989.4	1078.0	1270.0	1964.0	3839.5	11326.5	16598.4	20378.8
50°	797.4	827.0	886.0	974.6	1092.8	1210.9	1934.5	3824.7	11666.1	17262.9	20999.0
52.5°	767.9	812.2	871.3	974.6	1078.0	1122.3	1919.7	3869.0	12345.4	18252.3	21885.1
55°	738.4	782.7	841.7	974.6	1033.7	1048.5	1845.9	3942.9	13379.1	19625.7	23140.3
57.5°	708.8	738.4	812.2	945.1	974.6	989.4	1698.2	4046.2	14412.8	20969.5	24425.0
60°	664.5	694.1	767.9	945.1	886.0	930.3	1506.3	4075.8	15151.2	21397.7	24543.2
62.5°	620.2	649.8	723.6	974.6	812.2	871.3	1343.8	3972.4	15298.9	20777.5	23878.6
65°	575.9	605.5	664.5	812.2	753.1	812.2	1240.4	3691.8	14811.5	19359.9	22667.7
67.5°	531.6	561.2	605.5	664.5	679.3	738.4	1196.1	3248.8	13585.9	17602.6	21013.8
70°	472.6	502.1	546.4	590.7	605.5	694.1	1122.3	2820.5	11607.1	15254.6	18990.7
72.5°	428.3	443.0	487.3	516.9	546.4	635.0	1078.0	2466.1	8875.1	12345.4	15490.8
75°	369.2	369.2	413.5	443.0	472.6	561.2	989.4	2052.6	6261.3	9421.5	11385.5
77.5°	310.1	310.1	339.6	369.2	398.7	487.3	841.7	1668.7	4341.6	7472.2	8254.9
80°	236.3	236.3	265.8	295.3	324.9	413.5	679.3	1225.7	2687.6	5463.9	6010.3
82.5°	162.4	162.4	206.7	221.5	236.3	324.9	516.9	841.7	1580.1	3942.9	4297.3
85°	88.6	88.6	118.1	132.9	162.4	236.3	383.9	590.7	945.1	2850.1	2864.8
87.5°	14.8	14.8	44.3	44.3	73.8	118.1	221.5	324.9	531.6	1580.1	1004.2
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: P598814
 CATALOG NUMBER: IFLD-L-SA7E-827-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8	10543.8
2.5°	11533.2	11695.7	11710.4	11710.4	11636.6	11651.4	11444.6	11223.1	11149.3	11134.5
5°	12138.7	12566.9	12685.1	12744.1	12552.2	12256.8	11725.2	11149.3	10853.9	10809.6
7.5°	12020.5	12877.0	13334.8	13393.9	13009.9	12315.9	11385.5	10499.5	10159.9	10071.3
10°	11326.5	12478.3	13305.3	13512.0	13098.5	12212.5	11001.6	9967.9	9554.4	9480.6
12.5°	10839.2	11946.7	12758.9	13039.5	12847.5	12079.6	10809.6	9628.2	9214.8	9111.4
15°	10573.3	11592.3	12123.9	12212.5	12197.7	11872.9	10809.6	9702.1	9244.3	9126.2
17.5°	10794.9	11488.9	11562.8	11356.0	11474.1	11636.6	11045.9	10100.8	9657.8	9554.4
20°	11237.9	11444.6	11090.2	10780.1	10839.2	11356.0	11415.1	10853.9	10499.5	10322.3
22.5°	12168.2	11607.1	10794.9	10366.6	10410.9	11134.5	11902.4	11872.9	11562.8	11474.1
25°	13113.3	12064.8	10706.3	10204.2	10263.2	11090.2	12478.3	13009.9	12847.5	12803.2
27.5°	14161.8	12832.7	10765.3	10130.3	10204.2	11149.3	12877.0	13969.8	13999.3	13955.0
30°	14870.6	13201.9	10942.5	10218.9	10322.3	11296.9	12965.6	14545.7	14811.5	14826.3
32.5°	15461.3	13571.1	11311.7	10366.6	10543.8	11562.8	13201.9	15092.1	15682.8	15697.6
35°	15933.9	13984.6	11769.5	10632.4	10898.2	12005.8	13512.0	15609.0	16495.0	16598.4
37.5°	16539.3	14442.4	12301.1	11208.3	11503.7	12640.8	14058.4	16214.4	17454.9	17735.5
40°	17189.1	14900.1	13069.0	12138.7	12566.9	13585.9	14678.6	16893.7	18267.1	18651.0
42.5°	17912.7	15387.5	13940.3	13393.9	14043.6	14782.0	15387.5	17514.0	18887.3	19330.3
45°	18621.5	15978.2	15210.3	15106.9	15830.5	16199.7	16081.5	17957.0	19478.0	19921.0
47.5°	19123.6	16834.7	16746.1	17366.3	18045.6	17853.6	16893.7	18281.8	19965.3	20452.6
50°	19581.4	17897.9	18680.6	19891.5	20305.0	19655.2	17765.0	18724.9	20482.2	21028.6
52.5°	20260.7	19035.0	20674.1	22180.4	22579.1	21545.4	18710.1	19448.5	21279.6	21766.9
55°	21648.8	20319.7	22756.3	24484.1	24557.9	23273.2	19980.1	20674.1	22401.9	22963.1
57.5°	23199.3	21899.8	24410.3	26389.1	26359.5	25000.9	21412.5	22328.1	23922.9	24306.9
60°	24602.2	23494.7	26211.9	27747.7	27673.8	26256.2	23081.2	24203.5	25665.5	25960.8
62.5°	25429.2	24941.9	27009.3	28175.9	27895.3	26669.6	24498.9	25872.2	26905.9	27009.3
65°	25296.3	25768.8	26079.0	26802.5	26403.8	25517.8	25192.9	26935.5	27038.8	26935.5
67.5°	24292.1	25296.3	23524.2	23598.1	23391.3	22638.2	24114.9	26654.9	25946.0	25695.0
70°	22771.1	22844.9	19670.0	18739.6	19064.5	18030.8	20688.9	24469.3	23376.5	23066.4
72.5°	20245.9	19330.3	14870.6	13925.5	14412.8	13674.5	16598.4	21323.9	20260.7	19256.5
75°	16982.3	15313.6	11326.5	9982.7	10233.7	10204.2	12862.3	17617.3	15697.6	14693.4
77.5°	13157.6	11931.9	8358.3	7841.4	7575.6	7634.7	8978.5	13098.5	11385.5	10130.3
80°	9613.5	8343.5	6468.1	6763.4	6615.7	6261.3	6290.8	8771.7	7915.2	7162.1
82.5°	6645.3	5936.4	5242.4	5921.7	5567.3	5020.9	4902.7	6320.4	5936.4	5478.6
85°	4459.7	4888.0	4164.4	4533.5	3928.1	3618.0	4607.4	5286.7	4267.7	3809.9
87.5°	2909.1	4474.5	2997.8	2274.2	1299.5	1742.5	2820.5	3470.3	1993.6	1078.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)