

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: P598818

Luminaire Tested: **IFLD-L-SA8D-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: P598818
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8D-827-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (128) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

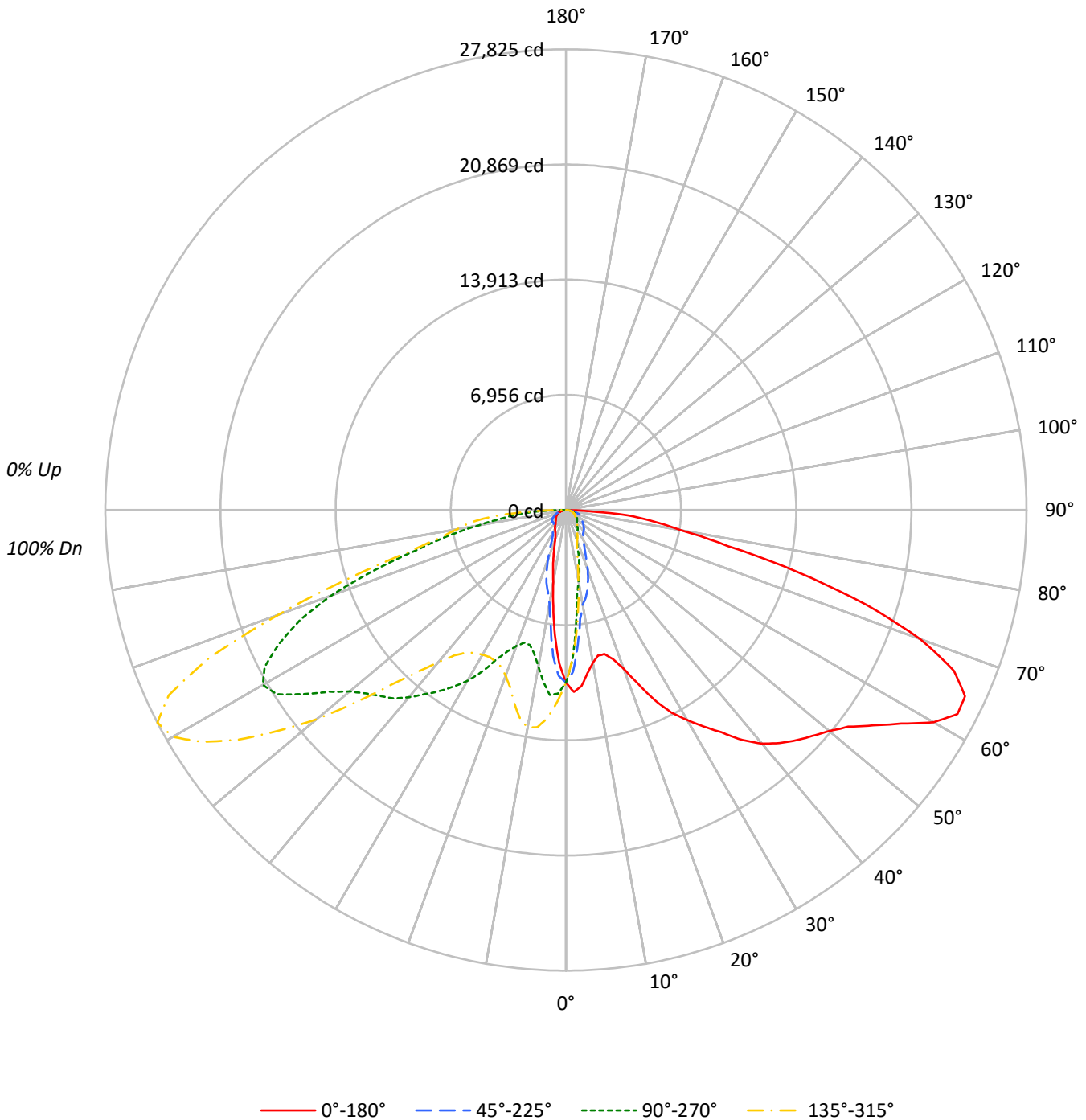
Lumens per Lamp: N/A
 Luminaire Lumens: 34856.8 lumens
 Efficiency: N/A
 Efficacy: 71.4 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 488.3
 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: P598818
CATALOG NUMBER: IFLD-L-SA8D-827-U-SLR

Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	56039	56039	56039	56039
5°	57671	37502	40968	60586
10°	51165	23830	24068	52361
15°	50215	16901	16007	46965
20°	58382	10691	10774	50030
25°	75082	9179	8920	59148
30°	90990	8700	8157	74043
35°	107694	7665	7378	87765
40°	129402	7274	6762	103685
45°	149734	7215	6549	120874
50°	173874	7326	6594	142738
55°	212780	7526	6705	181855
60°	275957	7535	7063	227452
65°	338740	7614	7242	243470
70°	358444	8032	7572	237050
75°	301729	8490	7582	193470
80°	219211	9943	7683	167235
85°	232332	14407	6305	173798

TEST NUMBER: P598818
 CATALOG NUMBER: IFLD-L-SA8D-827-U-SLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	805.8	2.3
10°-20°	1686.5	4.8
20°-30°	2430.4	7.0
30°-40°	3498.8	10.0
40°-50°	4969.8	14.3
50°-60°	7145.2	20.5
60°-70°	8255.0	23.7
70°-80°	4674.2	13.4
80°-90°	1391.0	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°	4922.7	14.1
0°-40°	8421.5	24.2
0°-60°	20536.5	58.9
0°-90°	34856.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34856.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10412	10412	10412	10412	10412	
5°	10675	6942	7583	11214	10675	969
15°	9012	3033	2873	8429	9012	2650
25°	12644	1546	1502	9960	12644	5869
35°	16391	1167	1123	13358	16391	10403
45°	19673	948	860	15881	19673	15233
55°	22677	802	715	19381	22677	20537
65°	26600	598	569	19118	26600	25507
75°	14510	408	365	9304	14510	15396
85°	3762	233	102	2814	3762	3747
90°	0	0	0	0	0	

TEST NUMBER: P598818
 CATALOG NUMBER: IFLD-L-SA8D-827-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4
2.5°	10995.7	10981.1	10893.6	10616.5	10324.9	10047.8	9785.3	9508.2	9362.4	9187.4	9114.5
5°	10674.9	10645.7	10397.8	9785.3	9245.7	8662.4	8166.6	7772.8	7452.0	7131.2	7014.5
7.5°	9945.7	9902.0	9610.3	8764.5	7977.0	7218.7	6620.7	6110.3	5687.4	5497.8	5279.1
10°	9362.4	9289.5	8910.3	7977.0	6956.2	6197.8	5804.1	5454.1	5089.5	4783.3	4462.4
12.5°	8997.8	8910.3	8516.6	7422.8	6431.2	5862.4	5454.1	5060.3	4608.3	4229.1	3879.1
15°	9012.4	8910.3	8429.1	7277.0	6299.9	5570.8	5002.0	4462.4	3937.4	3514.5	3120.8
17.5°	9435.3	9304.0	8793.6	7481.2	6197.8	5191.6	4433.3	3733.3	3135.4	2683.3	2362.5
20°	10193.6	10106.1	9522.8	7787.4	6095.8	4783.3	3849.9	3004.1	2377.1	2027.1	1895.8
22.5°	11331.1	11229.0	10601.9	8254.1	6066.6	4418.7	3222.9	2362.5	1910.4	1764.6	1691.6
25°	12643.6	12454.0	11870.7	9041.5	6124.9	4083.3	2712.5	1954.1	1706.2	1604.1	1560.4
27.5°	13781.1	13664.4	13008.2	9785.3	6154.1	3820.8	2362.5	1779.1	1589.6	1502.1	1472.9
30°	14641.5	14597.7	13956.1	10601.9	6081.2	3500.0	2143.7	1706.2	1589.6	1502.1	1414.6
32.5°	15501.9	15516.5	14831.1	11229.0	5979.1	3222.9	1939.6	1516.6	1400.0	1341.6	1356.2
35°	16391.4	16464.4	15881.0	11841.5	5760.3	3120.8	1793.7	1414.6	1312.5	1225.0	1181.2
37.5°	17514.3	17703.9	17135.2	12526.9	5541.6	3033.3	1720.8	1341.6	1239.6	1166.7	1108.3
40°	18418.5	18768.5	18433.1	13168.6	5395.8	2931.2	1662.5	1268.7	1195.8	1108.3	1064.6
42.5°	19089.3	19497.7	19381.0	13664.4	5395.8	2829.1	1604.1	1225.0	1166.7	1064.6	1006.2
45°	19672.7	20095.6	20081.0	14174.8	5512.4	2770.8	1531.2	1225.0	1137.5	1035.4	977.1
47.5°	20197.6	20620.6	20766.4	14816.5	5702.0	2741.6	1443.7	1195.8	1137.5	1020.8	933.3
50°	20766.4	21233.1	21670.5	15837.3	5935.3	2668.7	1385.4	1152.1	1152.1	1006.2	904.2
52.5°	21495.5	22020.5	22822.6	17106.0	6168.7	2537.5	1297.9	1122.9	1152.1	991.7	875.0
55°	22676.8	23114.3	24164.3	18622.7	6460.3	2377.1	1225.0	1050.0	1093.7	947.9	831.2
57.5°	24003.8	24383.0	25258.0	19789.3	6547.8	2172.9	1122.9	977.1	1050.0	904.2	772.9
60°	25637.2	25826.7	25826.7	20124.7	6256.2	1983.3	1050.0	918.7	947.9	860.4	729.2
62.5°	26672.6	26672.6	25826.7	19512.2	5702.0	1822.9	991.7	860.4	831.2	802.1	685.4
65°	26599.6	26483.0	25228.8	17733.1	5060.3	1720.8	933.3	787.5	743.7	729.2	641.7
67.5°	25374.7	25170.5	23464.3	15224.8	4389.5	1677.1	875.0	714.6	685.4	656.2	583.3
70°	22778.9	22253.9	20153.9	12249.8	3733.3	1647.9	860.4	656.2	627.1	597.9	539.6
72.5°	19016.4	18345.6	15735.2	9420.7	3135.4	1545.8	816.7	583.3	568.7	539.6	481.2
75°	14510.2	13270.7	10981.1	7204.1	2435.4	1341.6	700.0	510.4	510.4	495.8	437.5
77.5°	10004.0	9362.4	7656.1	5322.8	1779.1	1035.4	568.7	452.1	452.1	466.7	408.3
80°	7072.8	6474.9	5454.1	3820.8	1122.9	700.0	437.5	379.2	422.9	452.1	379.2
82.5°	5410.3	4972.9	4054.1	2785.4	656.2	481.2	335.4	306.2	364.6	393.7	320.8
85°	3762.4	3237.5	2056.2	1866.6	379.2	291.7	247.9	247.9	320.8	393.7	291.7
87.5°	1064.6	452.1	131.2	554.2	160.4	116.7	87.5	58.3	87.5	87.5	58.3
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: P598818
 CATALOG NUMBER: IFLD-L-SA8D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4
2.5°	9041.5	8954.0	8954.0	8924.9	8939.5	8954.0	8939.5	9041.5	9085.3	9143.6	9260.3
5°	6941.6	7058.2	6970.7	7058.2	7174.9	7349.9	7393.7	7524.9	7539.5	7641.6	7583.2
7.5°	5147.8	5133.3	5060.3	5162.4	5483.3	5731.2	5847.8	5920.8	5935.3	5935.3	5862.4
10°	4360.4	4229.1	4097.9	4024.9	4054.1	4316.6	4404.1	4447.9	4418.7	4462.4	4404.1
12.5°	3733.3	3616.6	3427.0	3295.8	3208.3	3281.2	3368.7	3412.5	3441.6	3514.5	3572.9
15°	3033.3	2916.6	2800.0	2727.0	2654.1	2595.8	2668.7	2712.5	2785.4	2843.7	2872.9
17.5°	2304.1	2245.8	2187.5	2231.2	2231.2	2202.1	2231.2	2245.8	2275.0	2318.7	2304.1
20°	1866.6	1852.1	1837.5	1910.4	1968.7	1968.7	1997.9	1954.1	1939.6	1895.8	1881.2
22.5°	1662.5	1662.5	1677.1	1735.4	1793.7	1822.9	1822.9	1750.0	1677.1	1647.9	1662.5
25°	1545.8	1545.8	1589.6	1604.1	1633.3	1633.3	1647.9	1575.0	1531.2	1487.5	1502.1
27.5°	1458.3	1458.3	1472.9	1472.9	1487.5	1487.5	1502.1	1472.9	1414.6	1400.0	1400.0
30°	1400.0	1400.0	1385.4	1385.4	1385.4	1385.4	1400.0	1356.2	1327.1	1312.5	1312.5
32.5°	1341.6	1327.1	1312.5	1312.5	1297.9	1297.9	1312.5	1268.7	1254.1	1254.1	1254.1
35°	1166.7	1152.1	1166.7	1195.8	1195.8	1210.4	1210.4	1195.8	1166.7	1137.5	1122.9
37.5°	1093.7	1079.2	1079.2	1079.2	1108.3	1122.9	1137.5	1108.3	1064.6	1020.8	1020.8
40°	1035.4	1035.4	1020.8	1020.8	1020.8	1050.0	1079.2	1035.4	977.1	962.5	962.5
42.5°	991.7	977.1	962.5	947.9	933.3	977.1	1006.2	947.9	918.7	918.7	918.7
45°	947.9	933.3	918.7	904.2	889.6	904.2	933.3	875.0	860.4	860.4	860.4
47.5°	904.2	889.6	860.4	845.8	831.2	831.2	860.4	816.7	802.1	816.7	816.7
50°	875.0	845.8	816.7	802.1	787.5	787.5	787.5	772.9	772.9	772.9	787.5
52.5°	845.8	816.7	772.9	758.3	743.7	743.7	743.7	743.7	729.2	743.7	758.3
55°	802.1	772.9	743.7	729.2	714.6	700.0	714.6	700.0	700.0	714.6	714.6
57.5°	743.7	714.6	685.4	685.4	670.8	670.8	685.4	670.8	670.8	685.4	685.4
60°	700.0	670.8	641.7	641.7	627.1	641.7	656.2	641.7	641.7	641.7	656.2
62.5°	641.7	627.1	597.9	597.9	597.9	597.9	612.5	597.9	612.5	612.5	612.5
65°	597.9	568.7	554.2	554.2	554.2	554.2	583.3	554.2	568.7	568.7	568.7
67.5°	554.2	525.0	510.4	510.4	510.4	510.4	539.6	510.4	525.0	539.6	525.0
70°	510.4	481.2	466.7	466.7	466.7	466.7	481.2	466.7	466.7	481.2	481.2
72.5°	452.1	437.5	422.9	422.9	408.3	422.9	437.5	422.9	422.9	422.9	422.9
75°	408.3	393.7	393.7	379.2	379.2	379.2	393.7	364.6	364.6	364.6	364.6
77.5°	379.2	350.0	350.0	350.0	335.4	350.0	335.4	306.2	306.2	306.2	306.2
80°	320.8	291.7	306.2	306.2	291.7	291.7	277.1	247.9	247.9	247.9	247.9
82.5°	262.5	233.3	247.9	247.9	247.9	247.9	218.7	204.2	189.6	175.0	175.0
85°	233.3	189.6	218.7	218.7	204.2	204.2	145.8	145.8	116.7	116.7	102.1
87.5°	43.7	29.2	58.3	72.9	72.9	87.5	58.3	72.9	43.7	29.2	29.2
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: P598818
 CATALOG NUMBER: IFLD-L-SA8D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4
2.5°	9245.7	9406.1	9624.9	9785.3	10033.2	10222.8	10514.4	10762.4	10995.7	11097.8	11199.9
5°	7758.2	7860.3	8195.7	8458.2	8852.0	9274.9	9799.9	10368.6	10951.9	11214.4	11520.7
7.5°	5804.1	5993.7	6183.3	6562.4	7043.7	7729.1	8399.9	9245.7	10062.4	10456.1	10981.1
10°	4506.2	4652.0	4870.8	5264.5	5716.6	6285.3	7087.4	8093.6	9070.7	9581.1	10120.7
12.5°	3616.6	3820.8	4112.4	4520.8	5045.8	5629.1	6212.4	7145.7	8283.2	8866.5	9479.0
15°	2931.2	3091.6	3412.5	3922.9	4535.4	5133.3	5745.8	6518.7	7758.2	8429.1	9158.2
17.5°	2333.3	2450.0	2741.6	3252.0	3864.5	4535.4	5235.3	6212.4	7583.2	8399.9	9260.3
20°	1895.8	1983.3	2172.9	2552.0	3135.4	3864.5	4739.5	5920.8	7685.3	8735.3	9785.3
22.5°	1662.5	1691.6	1779.1	1983.3	2464.6	3237.5	4287.4	5672.8	7874.9	9231.1	10645.7
25°	1502.1	1531.2	1560.4	1691.6	1968.7	2697.9	3893.7	5527.0	8283.2	9960.3	11637.3
27.5°	1400.0	1429.1	1443.7	1502.1	1691.6	2304.1	3558.3	5439.5	8837.4	11024.9	12862.3
30°	1312.5	1312.5	1356.2	1443.7	1575.0	2027.1	3266.6	5235.3	9420.7	11914.4	13824.8
32.5°	1239.6	1254.1	1312.5	1356.2	1443.7	1793.7	2975.0	4972.9	9945.7	12643.6	14772.7
35°	1108.3	1108.3	1122.9	1195.8	1312.5	1604.1	2712.5	4710.4	10237.4	13358.2	15618.5
37.5°	1020.8	1035.4	1064.6	1122.9	1225.0	1472.9	2493.7	4418.7	10543.6	14029.0	16610.2
40°	962.5	977.1	1006.2	1064.6	1166.7	1356.2	2304.1	4185.4	10864.4	14758.1	17674.8
42.5°	918.7	933.3	962.5	1020.8	1108.3	1327.1	2100.0	3995.8	11054.0	15429.0	18681.0
45°	875.0	889.6	933.3	991.7	1064.6	1297.9	1983.3	3864.5	11126.9	15881.0	19483.1
47.5°	831.2	845.8	889.6	977.1	1064.6	1254.1	1939.6	3791.6	11185.3	16391.4	20124.7
50°	787.5	816.7	875.0	962.5	1079.2	1195.8	1910.4	3777.0	11520.7	17047.7	20737.2
52.5°	758.3	802.1	860.4	962.5	1064.6	1108.3	1895.8	3820.8	12191.5	18024.8	21612.2
55°	729.2	772.9	831.2	962.5	1020.8	1035.4	1822.9	3893.7	13212.3	19381.0	22851.8
57.5°	700.0	729.2	802.1	933.3	962.5	977.1	1677.1	3995.8	14233.1	20708.1	24120.5
60°	656.2	685.4	758.3	933.3	875.0	918.7	1487.5	4024.9	14962.3	21131.0	24237.2
62.5°	612.5	641.7	714.6	962.5	802.1	860.4	1327.1	3922.9	15108.1	20518.5	23580.9
65°	568.7	597.9	656.2	802.1	743.7	802.1	1225.0	3645.8	14626.9	19118.5	22385.1
67.5°	525.0	554.2	597.9	656.2	670.8	729.2	1181.2	3208.3	13416.5	17383.1	20751.8
70°	466.7	495.8	539.6	583.3	597.9	685.4	1108.3	2785.4	11462.3	15064.4	18753.9
72.5°	422.9	437.5	481.2	510.4	539.6	627.1	1064.6	2435.4	8764.5	12191.5	15297.7
75°	364.6	364.6	408.3	437.5	466.7	554.2	977.1	2027.1	6183.3	9304.0	11243.6
77.5°	306.2	306.2	335.4	364.6	393.7	481.2	831.2	1647.9	4287.4	7379.1	8152.0
80°	233.3	233.3	262.5	291.7	320.8	408.3	670.8	1210.4	2654.1	5395.8	5935.3
82.5°	160.4	160.4	204.2	218.7	233.3	320.8	510.4	831.2	1560.4	3893.7	4243.7
85°	87.5	87.5	116.7	131.2	160.4	233.3	379.2	583.3	933.3	2814.5	2829.1
87.5°	14.6	14.6	43.7	43.7	72.9	116.7	218.7	320.8	525.0	1560.4	991.7
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: P598818
 CATALOG NUMBER: IFLD-L-SA8D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4	10412.4
2.5°	11389.4	11549.8	11564.4	11564.4	11491.5	11506.1	11301.9	11083.2	11010.3	10995.7
5°	11987.3	12410.3	12526.9	12585.2	12395.7	12104.0	11579.0	11010.3	10718.6	10674.9
7.5°	11870.7	12716.5	13168.6	13226.9	12847.7	12162.3	11243.6	10368.6	10033.2	9945.7
10°	11185.3	12322.8	13139.4	13343.6	12935.2	12060.3	10864.4	9843.6	9435.3	9362.4
12.5°	10704.0	11797.8	12599.8	12876.9	12687.3	11929.0	10674.9	9508.2	9099.9	8997.8
15°	10441.5	11447.8	11972.8	12060.3	12045.7	11724.8	10674.9	9581.1	9129.0	9012.4
17.5°	10660.3	11345.7	11418.6	11214.4	11331.1	11491.5	10908.2	9974.9	9537.4	9435.3
20°	11097.8	11301.9	10951.9	10645.7	10704.0	11214.4	11272.8	10718.6	10368.6	10193.6
22.5°	12016.5	11462.3	10660.3	10237.4	10281.1	10995.7	11754.0	11724.8	11418.6	11331.1
25°	12949.8	11914.4	10572.8	10076.9	10135.3	10951.9	12322.8	12847.7	12687.3	12643.6
27.5°	13985.2	12672.7	10631.1	10004.0	10076.9	11010.3	12716.5	13795.6	13824.8	13781.1
30°	14685.2	13037.3	10806.1	10091.5	10193.6	11156.1	12804.0	14364.4	14626.9	14641.5
32.5°	15268.5	13401.9	11170.7	10237.4	10412.4	11418.6	13037.3	14904.0	15487.3	15501.9
35°	15735.2	13810.2	11622.8	10499.9	10762.4	11856.1	13343.6	15414.4	16289.4	16391.4
37.5°	16333.1	14262.3	12147.8	11068.6	11360.3	12483.2	13883.1	16012.3	17237.3	17514.3
40°	16974.8	14714.4	12906.1	11987.3	12410.3	13416.5	14495.6	16683.1	18039.3	18418.5
42.5°	17689.3	15195.6	13766.5	13226.9	13868.6	14597.7	15195.6	17295.6	18651.8	19089.3
45°	18389.3	15779.0	15020.6	14918.6	15633.1	15997.7	15881.0	17733.1	19235.2	19672.7
47.5°	18885.2	16624.8	16537.3	17149.8	17820.6	17631.0	16683.1	18053.9	19716.4	20197.6
50°	19337.2	17674.8	18447.7	19643.5	20051.8	19410.2	17543.5	18491.4	20226.8	20766.4
52.5°	20008.1	18797.7	20416.4	21903.9	22297.6	21276.8	18476.8	19206.0	21014.3	21495.5
55°	21378.9	20066.4	22472.6	24178.8	24251.8	22983.0	19731.0	20416.4	22122.6	22676.8
57.5°	22910.1	21626.8	24105.9	26060.1	26030.9	24689.3	21145.6	22049.7	23624.7	24003.8
60°	24295.5	23201.8	25885.1	27401.7	27328.8	25928.8	22793.4	23901.8	25345.5	25637.2
62.5°	25112.2	24630.9	26672.6	27824.6	27547.5	26337.1	24193.4	25549.7	26570.5	26672.6
65°	24980.9	25447.6	25753.8	26468.4	26074.7	25199.7	24878.8	26599.6	26701.7	26599.6
67.5°	23989.3	24980.9	23230.9	23303.9	23099.7	22356.0	23814.3	26322.6	25622.6	25374.7
70°	22487.2	22560.1	19424.7	18506.0	18826.8	17806.0	20431.0	24164.3	23085.1	22778.9
72.5°	19993.5	19089.3	14685.2	13751.9	14233.1	13504.0	16391.4	21058.1	20008.1	19016.4
75°	16770.6	15122.7	11185.3	9858.2	10106.1	10076.9	12701.9	17397.7	15501.9	14510.2
77.5°	12993.6	11783.2	8254.1	7743.6	7481.2	7539.5	8866.5	12935.2	11243.6	10004.0
80°	9493.6	8239.5	6387.4	6679.1	6533.2	6183.3	6212.4	8662.4	7816.6	7072.8
82.5°	6562.4	5862.4	5177.0	5847.8	5497.8	4958.3	4841.6	6241.6	5862.4	5410.3
85°	4404.1	4827.0	4112.4	4477.0	3879.1	3572.9	4549.9	5220.8	4214.5	3762.4
87.5°	2872.9	4418.7	2960.4	2245.8	1283.3	1720.8	2785.4	3427.0	1968.7	1064.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)