

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: P598666

Luminaire Tested: **IFLD-L-SA7B-730-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598666
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7B-730-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (112) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

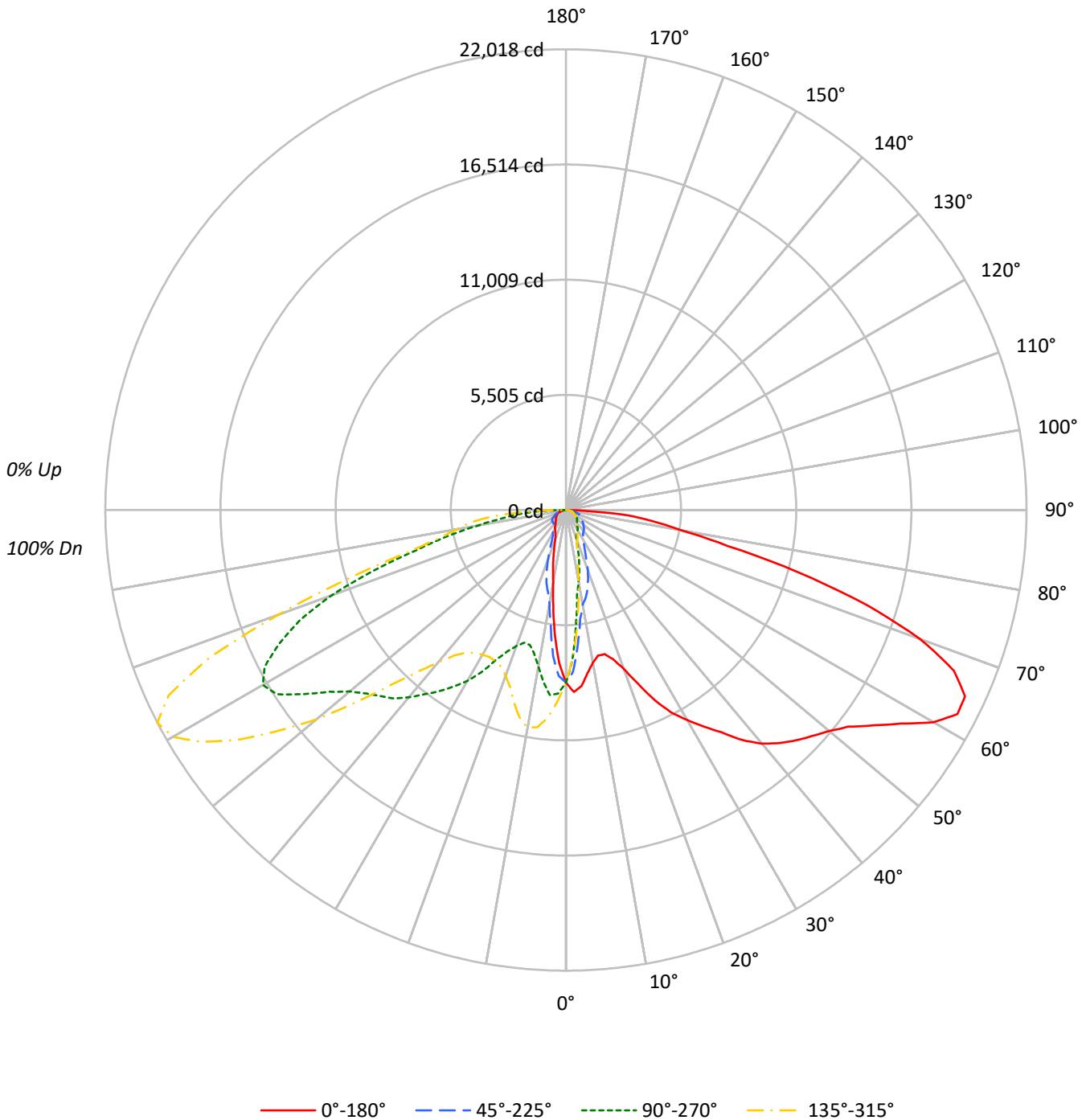
Lumens per Lamp: N/A
 Luminaire Lumens: 27582.9 lumens
 Efficiency: N/A
 Efficacy: 98.2 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 281
 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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	44345	44345	44345	44345
5°	45636	29676	32419	47943
10°	40488	18856	19046	41434
15°	39736	13374	12667	37165
20°	46199	8460	8526	39590
25°	59414	7264	7058	46805
30°	72002	6884	6454	58591
35°	85221	6066	5838	69451
40°	102398	5756	5351	82048
45°	118487	5709	5182	95650
50°	137590	5797	5218	112951
55°	168377	5955	5306	143906
60°	218370	5962	5590	179988
65°	268052	6025	5732	192662
70°	283644	6356	5992	187582
75°	238764	6719	5999	153098
80°	173467	7869	6081	132336
85°	183851	11399	4989	137532

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	637.7	2.3
10°-20°	1334.5	4.8
20°-30°	1923.2	7.0
30°-40°	2768.7	10.0
40°-50°	3932.7	14.3
50°-60°	5654.1	20.5
60°-70°	6532.4	23.7
70°-80°	3698.8	13.4
80°-90°	1100.8	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°	3895.5	14.1
0°-40°	6664.1	24.2
0°-60°	16251.0	58.9
0°-90°	27582.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27582.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8240	8240	8240	8240	8240	
5°	8447	5493	6001	8874	8447	766
15°	7132	2400	2273	6670	7132	2097
25°	10005	1223	1189	7882	10005	4644
35°	12971	923	889	10571	12971	8232
45°	15567	750	681	12567	15567	12054
55°	17945	635	566	15337	17945	16252
65°	21049	473	450	15129	21049	20184
75°	11482	323	288	7362	11482	12183
85°	2977	185	81	2227	2977	2965
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°	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5
2.5°	8701.1	8689.6	8620.3	8401.1	8170.3	7951.0	7743.3	7524.0	7408.6	7270.2	7212.5
5°	8447.2	8424.1	8228.0	7743.3	7316.3	6854.7	6462.4	6150.8	5896.9	5643.0	5550.7
7.5°	7870.2	7835.6	7604.8	6935.5	6312.3	5712.3	5239.1	4835.2	4500.6	4350.6	4177.5
10°	7408.6	7350.9	7050.9	6312.3	5504.5	4904.5	4592.9	4315.9	4027.4	3785.1	3531.2
12.5°	7120.1	7050.9	6739.3	5873.8	5089.1	4639.1	4315.9	4004.4	3646.6	3346.6	3069.6
15°	7131.7	7050.9	6670.1	5758.4	4985.2	4408.3	3958.2	3531.2	3115.8	2781.1	2469.5
17.5°	7466.3	7362.5	6958.6	5920.0	4904.5	4108.2	3508.1	2954.2	2481.1	2123.3	1869.5
20°	8066.4	7997.2	7535.6	6162.3	4823.7	3785.1	3046.5	2377.2	1881.0	1604.0	1500.2
22.5°	8966.5	8885.7	8389.5	6531.6	4800.6	3496.6	2550.3	1869.5	1511.7	1396.3	1338.6
25°	10005.1	9855.1	9393.5	7154.8	4846.8	3231.2	2146.4	1546.4	1350.2	1269.4	1234.8
27.5°	10905.2	10812.9	10293.6	7743.3	4869.8	3023.5	1869.5	1407.9	1257.9	1188.6	1165.5
30°	11586.1	11551.5	11043.7	8389.5	4812.1	2769.6	1696.4	1350.2	1257.9	1188.6	1119.4
32.5°	12266.9	12278.5	11736.1	8885.7	4731.4	2550.3	1534.8	1200.2	1107.8	1061.7	1073.2
35°	12970.9	13028.6	12567.0	9370.4	4558.3	2469.5	1419.4	1119.4	1038.6	969.4	934.7
37.5°	13859.5	14009.5	13559.4	9912.8	4385.2	2400.3	1361.7	1061.7	980.9	923.2	877.0
40°	14574.9	14851.9	14586.5	10420.6	4269.8	2319.5	1315.6	1004.0	946.3	877.0	842.4
42.5°	15105.8	15428.9	15336.6	10812.9	4269.8	2238.7	1269.4	969.4	923.2	842.4	796.3
45°	15567.4	15902.0	15890.5	11216.8	4362.1	2192.6	1211.7	969.4	900.1	819.3	773.2
47.5°	15982.8	16317.5	16432.9	11724.6	4512.1	2169.5	1142.5	946.3	900.1	807.8	738.6
50°	16432.9	16802.1	17148.3	12532.4	4696.7	2111.8	1096.3	911.7	911.7	796.3	715.5
52.5°	17009.9	17425.3	18060.0	13536.3	4881.4	2007.9	1027.1	888.6	911.7	784.7	692.4
55°	17944.6	18290.8	19121.7	14736.5	5112.2	1881.0	969.4	830.9	865.5	750.1	657.8
57.5°	18994.7	19294.8	19987.2	15659.7	5181.4	1719.4	888.6	773.2	830.9	715.5	611.6
60°	20287.2	20437.2	20437.2	15925.1	4950.6	1569.4	830.9	727.0	750.1	680.9	577.0
62.5°	21106.5	21106.5	20437.2	15440.4	4512.1	1442.5	784.7	680.9	657.8	634.7	542.4
65°	21048.8	20956.5	19964.1	14032.5	4004.4	1361.7	738.6	623.2	588.5	577.0	507.8
67.5°	20079.5	19917.9	18567.7	12047.7	3473.5	1327.1	692.4	565.5	542.4	519.3	461.6
70°	18025.4	17609.9	15948.2	9693.5	2954.2	1304.0	680.9	519.3	496.2	473.1	427.0
72.5°	15048.1	14517.2	12451.6	7454.8	2481.1	1223.2	646.2	461.6	450.1	427.0	380.8
75°	11482.2	10501.3	8689.6	5700.7	1927.2	1061.7	553.9	403.9	403.9	392.4	346.2
77.5°	7916.4	7408.6	6058.5	4212.1	1407.9	819.3	450.1	357.7	357.7	369.3	323.1
80°	5596.9	5123.7	4315.9	3023.5	888.6	553.9	346.2	300.0	334.7	357.7	300.0
82.5°	4281.3	3935.1	3208.1	2204.1	519.3	380.8	265.4	242.3	288.5	311.6	253.9
85°	2977.3	2561.9	1627.1	1477.1	300.0	230.8	196.2	196.2	253.9	311.6	230.8
87.5°	842.4	357.7	103.9	438.5	126.9	92.3	69.2	46.2	69.2	69.2	46.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5
2.5°	7154.8	7085.5	7085.5	7062.4	7074.0	7085.5	7074.0	7154.8	7189.4	7235.5	7327.9
5°	5493.0	5585.3	5516.1	5585.3	5677.6	5816.1	5850.7	5954.6	5966.1	6046.9	6000.8
7.5°	4073.6	4062.1	4004.4	4085.1	4339.0	4535.2	4627.5	4685.2	4696.7	4696.7	4639.1
10°	3450.4	3346.6	3242.7	3185.0	3208.1	3415.8	3485.1	3519.7	3496.6	3531.2	3485.1
12.5°	2954.2	2861.9	2711.9	2608.0	2538.8	2596.5	2665.7	2700.3	2723.4	2781.1	2827.3
15°	2400.3	2308.0	2215.7	2158.0	2100.3	2054.1	2111.8	2146.4	2204.1	2250.3	2273.4
17.5°	1823.3	1777.1	1731.0	1765.6	1765.6	1742.5	1765.6	1777.1	1800.2	1834.8	1823.3
20°	1477.1	1465.6	1454.0	1511.7	1557.9	1557.9	1581.0	1546.4	1534.8	1500.2	1488.7
22.5°	1315.6	1315.6	1327.1	1373.3	1419.4	1442.5	1442.5	1384.8	1327.1	1304.0	1315.6
25°	1223.2	1223.2	1257.9	1269.4	1292.5	1292.5	1304.0	1246.3	1211.7	1177.1	1188.6
27.5°	1154.0	1154.0	1165.5	1165.5	1177.1	1177.1	1188.6	1165.5	1119.4	1107.8	1107.8
30°	1107.8	1107.8	1096.3	1096.3	1096.3	1096.3	1107.8	1073.2	1050.1	1038.6	1038.6
32.5°	1061.7	1050.1	1038.6	1038.6	1027.1	1027.1	1038.6	1004.0	992.4	992.4	992.4
35°	923.2	911.7	923.2	946.3	946.3	957.8	957.8	946.3	923.2	900.1	888.6
37.5°	865.5	854.0	854.0	854.0	877.0	888.6	900.1	877.0	842.4	807.8	807.8
40°	819.3	819.3	807.8	807.8	807.8	830.9	854.0	819.3	773.2	761.6	761.6
42.5°	784.7	773.2	761.6	750.1	738.6	773.2	796.3	750.1	727.0	727.0	727.0
45°	750.1	738.6	727.0	715.5	703.9	715.5	738.6	692.4	680.9	680.9	680.9
47.5°	715.5	703.9	680.9	669.3	657.8	657.8	680.9	646.2	634.7	646.2	646.2
50°	692.4	669.3	646.2	634.7	623.2	623.2	623.2	611.6	611.6	611.6	623.2
52.5°	669.3	646.2	611.6	600.1	588.5	588.5	588.5	588.5	577.0	588.5	600.1
55°	634.7	611.6	588.5	577.0	565.5	553.9	565.5	553.9	553.9	565.5	565.5
57.5°	588.5	565.5	542.4	542.4	530.8	530.8	542.4	530.8	530.8	542.4	542.4
60°	553.9	530.8	507.8	507.8	496.2	507.8	519.3	507.8	507.8	507.8	519.3
62.5°	507.8	496.2	473.1	473.1	473.1	473.1	484.7	473.1	484.7	484.7	484.7
65°	473.1	450.1	438.5	438.5	438.5	438.5	461.6	438.5	450.1	450.1	450.1
67.5°	438.5	415.4	403.9	403.9	403.9	403.9	427.0	403.9	415.4	427.0	415.4
70°	403.9	380.8	369.3	369.3	369.3	369.3	380.8	369.3	369.3	380.8	380.8
72.5°	357.7	346.2	334.7	334.7	323.1	334.7	346.2	334.7	334.7	334.7	334.7
75°	323.1	311.6	311.6	300.0	300.0	300.0	311.6	288.5	288.5	288.5	288.5
77.5°	300.0	277.0	277.0	277.0	265.4	277.0	265.4	242.3	242.3	242.3	242.3
80°	253.9	230.8	242.3	242.3	230.8	230.8	219.3	196.2	196.2	196.2	196.2
82.5°	207.7	184.6	196.2	196.2	196.2	196.2	173.1	161.6	150.0	138.5	138.5
85°	184.6	150.0	173.1	173.1	161.6	161.6	115.4	115.4	92.3	92.3	80.8
87.5°	34.6	23.1	46.2	57.7	57.7	69.2	46.2	57.7	34.6	23.1	23.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5
2.5°	7316.3	7443.3	7616.4	7743.3	7939.5	8089.5	8320.3	8516.5	8701.1	8781.9	8862.7
5°	6139.2	6220.0	6485.4	6693.2	7004.7	7339.4	7754.8	8204.9	8666.5	8874.2	9116.5
7.5°	4592.9	4742.9	4892.9	5193.0	5573.8	6116.2	6647.0	7316.3	7962.5	8274.1	8689.6
10°	3565.8	3681.2	3854.3	4165.9	4523.7	4973.7	5608.4	6404.7	7177.8	7581.7	8008.7
12.5°	2861.9	3023.5	3254.3	3577.4	3992.8	4454.4	4916.0	5654.6	6554.7	7016.3	7501.0
15°	2319.5	2446.5	2700.3	3104.2	3588.9	4062.1	4546.7	5158.3	6139.2	6670.1	7247.1
17.5°	1846.4	1938.7	2169.5	2573.4	3058.1	3588.9	4142.8	4916.0	6000.8	6647.0	7327.9
20°	1500.2	1569.4	1719.4	2019.5	2481.1	3058.1	3750.5	4685.2	6081.5	6912.4	7743.3
22.5°	1315.6	1338.6	1407.9	1569.4	1950.2	2561.9	3392.7	4489.0	6231.6	7304.8	8424.1
25°	1188.6	1211.7	1234.8	1338.6	1557.9	2134.9	3081.2	4373.6	6554.7	7881.8	9208.9
27.5°	1107.8	1130.9	1142.5	1188.6	1338.6	1823.3	2815.7	4304.4	6993.2	8724.2	10178.2
30°	1038.6	1038.6	1073.2	1142.5	1246.3	1604.0	2584.9	4142.8	7454.8	9428.1	10939.8
32.5°	980.9	992.4	1038.6	1073.2	1142.5	1419.4	2354.1	3935.1	7870.2	10005.1	11689.9
35°	877.0	877.0	888.6	946.3	1038.6	1269.4	2146.4	3727.4	8101.0	10570.6	12359.3
37.5°	807.8	819.3	842.4	888.6	969.4	1165.5	1973.3	3496.6	8343.4	11101.4	13144.0
40°	761.6	773.2	796.3	842.4	923.2	1073.2	1823.3	3312.0	8597.2	11678.4	13986.4
42.5°	727.0	738.6	761.6	807.8	877.0	1050.1	1661.7	3161.9	8747.3	12209.2	14782.6
45°	692.4	703.9	738.6	784.7	842.4	1027.1	1569.4	3058.1	8805.0	12567.0	15417.3
47.5°	657.8	669.3	703.9	773.2	842.4	992.4	1534.8	3000.4	8851.1	12970.9	15925.1
50°	623.2	646.2	692.4	761.6	854.0	946.3	1511.7	2988.8	9116.5	13490.2	16409.8
52.5°	600.1	634.7	680.9	761.6	842.4	877.0	1500.2	3023.5	9647.4	14263.3	17102.2
55°	577.0	611.6	657.8	761.6	807.8	819.3	1442.5	3081.2	10455.2	15336.6	18083.1
57.5°	553.9	577.0	634.7	738.6	761.6	773.2	1327.1	3161.9	11263.0	16386.7	19087.0
60°	519.3	542.4	600.1	738.6	692.4	727.0	1177.1	3185.0	11840.0	16721.4	19179.4
62.5°	484.7	507.8	565.5	761.6	634.7	680.9	1050.1	3104.2	11955.4	16236.7	18660.1
65°	450.1	473.1	519.3	634.7	588.5	634.7	969.4	2885.0	11574.5	15128.8	17713.8
67.5°	415.4	438.5	473.1	519.3	530.8	577.0	934.7	2538.8	10616.7	13755.6	16421.3
70°	369.3	392.4	427.0	461.6	473.1	542.4	877.0	2204.1	9070.4	11920.7	14840.3
72.5°	334.7	346.2	380.8	403.9	427.0	496.2	842.4	1927.2	6935.5	9647.4	12105.4
75°	288.5	288.5	323.1	346.2	369.3	438.5	773.2	1604.0	4892.9	7362.5	8897.3
77.5°	242.3	242.3	265.4	288.5	311.6	380.8	657.8	1304.0	3392.7	5839.2	6450.8
80°	184.6	184.6	207.7	230.8	253.9	323.1	530.8	957.8	2100.3	4269.8	4696.7
82.5°	126.9	126.9	161.6	173.1	184.6	253.9	403.9	657.8	1234.8	3081.2	3358.1
85°	69.2	69.2	92.3	103.9	126.9	184.6	300.0	461.6	738.6	2227.2	2238.7
87.5°	11.5	11.5	34.6	34.6	57.7	92.3	173.1	253.9	415.4	1234.8	784.7
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: P598666
 CATALOG NUMBER: IFLD-L-SA7B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5	8239.5
2.5°	9012.7	9139.6	9151.2	9151.2	9093.5	9105.0	8943.4	8770.3	8712.6	8701.1
5°	9485.8	9820.5	9912.8	9959.0	9808.9	9578.1	9162.7	8712.6	8481.8	8447.2
7.5°	9393.5	10062.8	10420.6	10466.7	10166.7	9624.3	8897.3	8204.9	7939.5	7870.2
10°	8851.1	9751.2	10397.5	10559.0	10235.9	9543.5	8597.2	7789.4	7466.3	7408.6
12.5°	8470.3	9335.8	9970.5	10189.8	10039.7	9439.7	8447.2	7524.0	7200.9	7120.1
15°	8262.6	9058.8	9474.3	9543.5	9532.0	9278.1	8447.2	7581.7	7224.0	7131.7
17.5°	8435.7	8978.1	9035.8	8874.2	8966.5	9093.5	8631.9	7893.3	7547.1	7466.3
20°	8781.9	8943.4	8666.5	8424.1	8470.3	8874.2	8920.4	8481.8	8204.9	8066.4
22.5°	9508.9	9070.4	8435.7	8101.0	8135.6	8701.1	9301.2	9278.1	9035.8	8966.5
25°	10247.5	9428.1	8366.4	7974.1	8020.2	8666.5	9751.2	10166.7	10039.7	10005.1
27.5°	11066.8	10028.2	8412.6	7916.4	7974.1	8712.6	10062.8	10916.8	10939.8	10905.2
30°	11620.7	10316.7	8551.1	7985.6	8066.4	8828.0	10132.1	11366.8	11574.5	11586.1
32.5°	12082.3	10605.2	8839.6	8101.0	8239.5	9035.8	10316.7	11793.8	12255.4	12266.9
35°	12451.6	10928.3	9197.3	8308.7	8516.5	9382.0	10559.0	12197.7	12890.1	12970.9
37.5°	12924.7	11286.0	9612.8	8758.8	8989.6	9878.2	10986.0	12670.8	13640.2	13859.5
40°	13432.5	11643.8	10212.8	9485.8	9820.5	10616.7	11470.7	13201.7	14274.9	14574.9
42.5°	13997.9	12024.6	10893.7	10466.7	10974.5	11551.5	12024.6	13686.4	14759.6	15105.8
45°	14551.8	12486.2	11886.1	11805.3	12370.8	12659.3	12567.0	14032.5	15221.2	15567.4
47.5°	14944.2	13155.5	13086.3	13571.0	14101.8	13951.8	13201.7	14286.4	15602.0	15982.8
50°	15301.9	13986.4	14598.0	15544.3	15867.4	15359.6	13882.5	14632.6	16005.9	16432.9
52.5°	15832.8	14875.0	16155.9	17333.0	17644.5	16836.8	14621.1	15198.1	16629.0	17009.9
55°	16917.5	15878.9	17783.0	19133.2	19190.9	18186.9	15613.5	16155.9	17506.1	17944.6
57.5°	18129.2	17113.7	19075.5	20621.8	20598.8	19537.1	16732.9	17448.4	18694.7	18994.7
60°	19225.5	18360.0	20483.4	21683.5	21625.8	20518.0	18036.9	18913.9	20056.4	20287.2
62.5°	19871.8	19490.9	21106.5	22018.2	21798.9	20841.1	19144.7	20218.0	21025.7	21106.5
65°	19767.9	20137.2	20379.5	20945.0	20633.4	19941.0	19687.1	21048.8	21129.6	21048.8
67.5°	18983.2	19767.9	18383.1	18440.8	18279.2	17690.7	18844.7	20829.6	20275.6	20079.5
70°	17794.6	17852.3	15371.2	14644.2	14898.0	14090.2	16167.4	19121.7	18267.7	18025.4
72.5°	15821.2	15105.8	11620.7	10882.2	11263.0	10686.0	12970.9	16663.7	15832.8	15048.1
75°	13270.9	11966.9	8851.1	7801.0	7997.2	7974.1	10051.3	13767.1	12266.9	11482.2
77.5°	10282.1	9324.3	6531.6	6127.7	5920.0	5966.1	7016.3	10235.9	8897.3	7916.4
80°	7512.5	6520.1	5054.5	5285.3	5169.9	4892.9	4916.0	6854.7	6185.4	5596.9
82.5°	5193.0	4639.1	4096.7	4627.5	4350.6	3923.6	3831.3	4939.1	4639.1	4281.3
85°	3485.1	3819.7	3254.3	3542.8	3069.6	2827.3	3600.5	4131.3	3335.0	2977.3
87.5°	2273.4	3496.6	2342.6	1777.1	1015.5	1361.7	2204.1	2711.9	1557.9	842.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)