

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: P599190

Luminaire Tested: **IFLD-L-SA7D-730-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599190
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7D-730-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (112) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

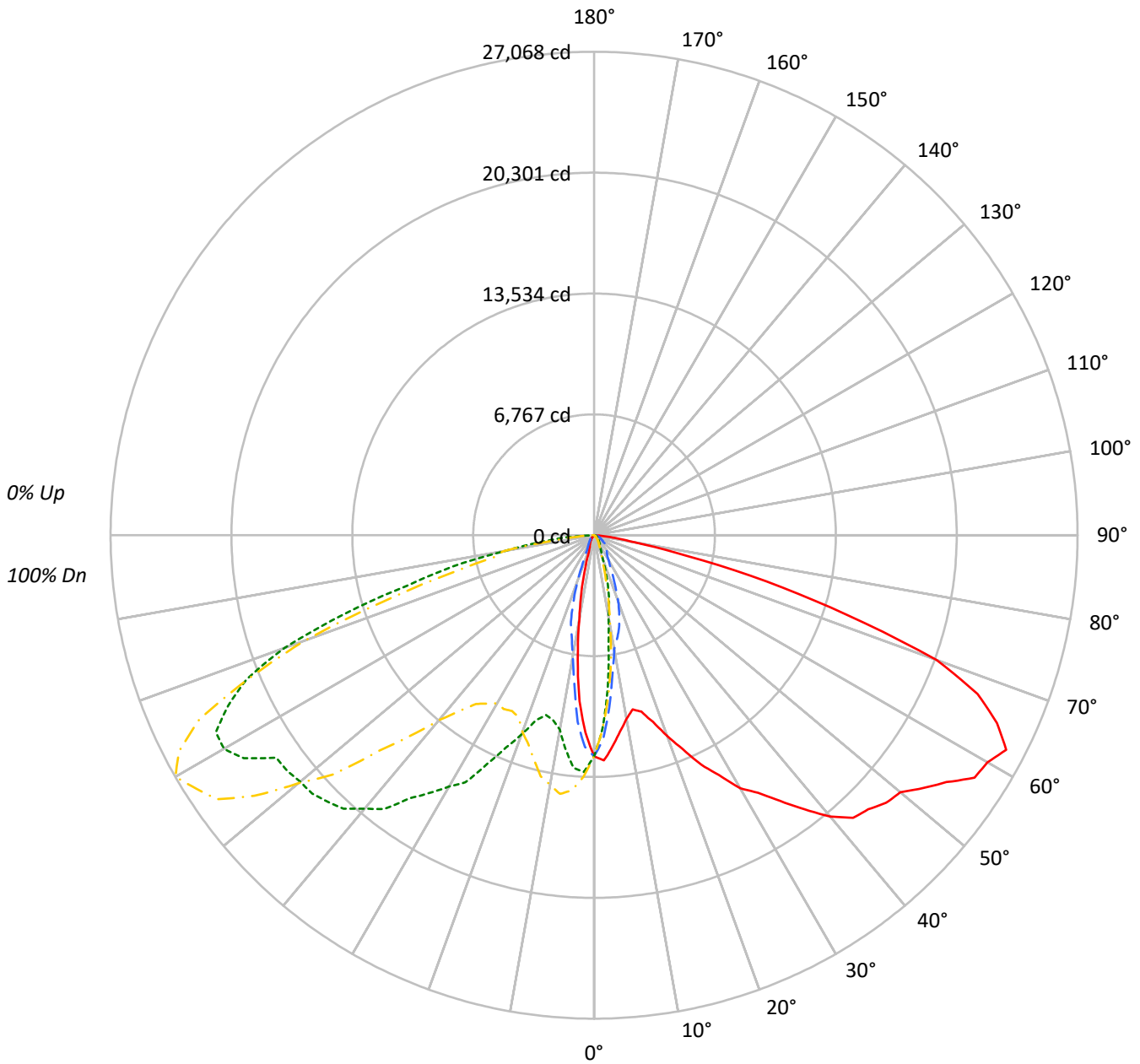
Lumens per Lamp: N/A
 Luminaire Lumens: 32354.9 lumens
 Efficiency: N/A
 Efficacy: 76.6 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 422.6
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	66571	66571	66571	66571
5°	64092	46844	50425	70642
10°	57063	25504	25838	60400
15°	56963	17011	10401	58032
20°	68395	8493	4147	67995
25°	84124	5336	3211	83709
30°	101643	4282	2439	100993
35°	119265	3439	1892	118062
40°	144387	2942	1226	140404
45°	165186	2656	664	160605
50°	187412	2556	146	179743
55°	226068	2456	0	203805
60°	273701	2066	0	257457
65°	316928	1666	0	288046
70°	320922	1372	0	290450
75°	207691	907	0	222746
80°	70832	270	0	157617
85°	35550	0	0	115814

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	937.0	2.9
10°-20°	1814.3	5.6
20°-30°	2526.9	7.8
30°-40°	3590.5	11.1
40°-50°	4979.0	15.4
50°-60°	6784.1	21.0
60°-70°	7458.6	23.1
70°-80°	3665.9	11.3
80°-90°	598.6	1.9
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°	5278.2	16.3
0°-40°	8868.7	27.4
0°-60°	20631.8	63.8
0°-90°	32354.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32354.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12369	12369	12369	12369	12369	
5°	11863	8671	9334	13076	11863	1086
15°	10223	3053	1867	10415	10223	3026
25°	14166	898	541	14096	14166	6586
35°	18153	523	288	17969	18153	11523
45°	21703	349	87	21101	21703	16824
55°	24093	262	0	21720	24093	21673
65°	24887	131	0	22619	24887	24050
75°	9988	44	0	10712	9988	10889
85°	576	0	0	1876	576	796
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°	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3
2.5°	12622.2	12770.5	12630.9	12142.5	12055.2	11819.7	11462.1	11435.9	11060.8	11104.4	10903.8
5°	11863.3	12011.6	11715.0	11069.5	10467.6	9987.9	9700.0	9185.3	9071.9	8819.0	8819.0
7.5°	11087.0	11078.2	10572.3	10031.5	9133.0	8252.0	7850.7	7109.3	6673.1	6437.6	6210.8
10°	10441.5	10301.9	9987.9	8871.3	7894.3	6978.4	6481.2	5992.7	5539.1	5146.6	4754.0
12.5°	9987.9	10075.1	9577.9	8365.4	7100.5	6463.8	5931.7	5417.0	4876.2	4431.3	3995.1
15°	10223.4	10083.8	9499.4	8252.0	6969.7	6097.4	5390.8	4762.8	4160.9	3576.4	3245.0
17.5°	10956.1	10598.5	9909.4	8252.0	6699.3	5539.1	4684.3	3942.8	3297.3	2773.9	2363.9
20°	11941.8	11531.8	10790.4	8557.3	6498.7	5129.1	3960.3	3026.9	2355.2	1866.7	1552.7
22.5°	12953.7	12630.9	11514.4	8679.4	6263.1	4579.6	3122.8	2189.5	1570.1	1256.1	1099.1
25°	14166.2	13712.6	12491.4	9167.9	5914.2	4047.5	2459.9	1526.5	1168.9	1003.1	907.2
27.5°	15134.4	15055.9	13407.3	9464.5	5652.5	3611.3	1945.2	1212.5	968.3	846.1	785.1
30°	16355.7	15928.2	14523.8	10057.6	5355.9	3114.1	1622.5	1090.4	889.7	758.9	715.3
32.5°	17088.4	16887.8	15108.3	10389.1	5024.5	2704.1	1395.7	959.5	811.2	715.3	671.7
35°	18152.6	17751.4	15945.7	10598.5	4850.0	2468.6	1256.1	872.3	680.4	584.4	532.1
37.5°	19338.9	19190.7	16948.8	10589.8	4597.0	2329.0	1160.2	811.2	645.5	540.8	479.8
40°	20551.4	19949.6	17559.5	10834.0	4466.2	2224.4	1090.4	776.3	610.6	514.7	436.2
42.5°	21458.6	20769.5	18266.0	10746.8	4309.2	2041.2	1064.2	724.0	584.4	471.0	401.3
45°	21702.9	21458.6	18902.8	10720.6	4195.8	1892.9	1020.6	715.3	567.0	444.9	375.1
47.5°	22173.9	22008.2	19687.9	10764.2	4108.5	1779.5	915.9	732.7	540.8	418.7	357.6
50°	22383.3	22086.7	20324.6	10868.9	3907.9	1639.9	820.0	767.6	532.1	410.0	340.2
52.5°	23246.9	22985.2	21197.0	11165.5	3742.2	1456.7	724.0	732.7	549.6	383.8	322.8
55°	24093.0	23796.4	22540.3	11845.9	3506.7	1308.5	619.3	645.5	523.4	348.9	287.9
57.5°	25253.2	24764.7	23438.8	12125.0	3297.3	1107.8	549.6	532.1	488.5	314.0	253.0
60°	25427.6	25628.2	23307.9	11950.5	3079.2	977.0	479.8	410.0	523.4	279.1	218.1
62.5°	26012.1	25174.7	22697.3	11549.3	2922.2	898.5	427.4	340.2	453.6	244.2	183.2
65°	24886.8	24267.5	21266.7	10258.3	2721.6	907.2	375.1	279.1	287.9	200.6	148.3
67.5°	23238.1	22749.7	18894.1	8853.9	2521.0	889.7	331.5	244.2	218.1	174.5	130.8
70°	20394.4	19338.9	16050.4	7187.8	2224.4	828.7	279.1	218.1	183.2	139.6	96.0
72.5°	14837.9	14410.4	11514.4	5556.6	1997.6	750.2	261.7	183.2	157.0	104.7	78.5
75°	9987.9	9281.3	7266.3	3646.2	1605.0	654.2	218.1	165.7	122.1	78.5	61.1
77.5°	5277.4	4989.6	4117.3	1735.9	889.7	305.3	122.1	96.0	69.8	61.1	34.9
80°	2285.4	2032.5	1779.5	706.6	314.0	139.6	78.5	52.3	43.6	34.9	17.4
82.5°	1168.9	1116.5	924.6	305.3	183.2	104.7	43.6	34.9	26.2	17.4	8.7
85°	575.7	593.2	488.5	96.0	104.7	61.1	8.7	8.7	0.0	0.0	0.0
87.5°	43.6	43.6	34.9	17.4	26.2	8.7	0.0	0.0	0.0	0.0	0.0
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°	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3
2.5°	10825.3	10947.4	10738.0	10868.9	10807.8	10834.0	10860.2	10790.4	10807.8	11052.1	11060.8
5°	8670.7	8906.2	8819.0	8941.1	9150.5	9045.8	9141.7	9124.3	9141.7	9176.6	9333.6
7.5°	6184.6	6114.8	6280.6	6603.3	6978.4	7205.2	7091.8	7030.8	6995.9	6908.6	7013.3
10°	4666.8	4631.9	4588.3	4684.3	4928.5	5181.5	5321.0	5085.5	4954.7	4788.9	4727.9
12.5°	3873.0	3654.9	3532.8	3384.5	3454.3	3681.1	3689.8	3463.0	3253.7	3166.5	3262.4
15°	3053.1	2904.8	2686.7	2477.3	2372.7	2547.1	2398.8	2180.8	1910.3	1875.5	1866.7
17.5°	2180.8	2093.5	1936.5	1849.3	1727.2	1683.5	1526.5	1195.1	1003.1	950.8	968.3
20°	1482.9	1413.1	1404.4	1325.9	1273.6	1238.7	985.7	767.6	706.6	715.3	724.0
22.5°	1099.1	1064.2	1020.6	1011.9	968.3	924.6	724.0	645.5	601.9	601.9	628.1
25°	898.5	881.0	837.4	820.0	802.5	741.5	610.6	549.6	532.1	514.7	540.8
27.5°	767.6	758.9	732.7	706.6	689.1	628.1	532.1	479.8	462.3	462.3	462.3
30°	689.1	689.1	654.2	601.9	601.9	532.1	453.6	418.7	401.3	401.3	392.5
32.5°	645.5	628.1	584.4	549.6	523.4	453.6	401.3	366.4	340.2	340.2	348.9
35°	523.4	523.4	514.7	488.5	453.6	383.8	340.2	305.3	287.9	279.1	287.9
37.5°	462.3	436.2	401.3	410.0	392.5	331.5	287.9	261.7	235.5	235.5	235.5
40°	418.7	392.5	357.6	331.5	322.8	296.6	253.0	209.4	183.2	174.5	174.5
42.5°	375.1	357.6	305.3	261.7	253.0	253.0	191.9	157.0	130.8	130.8	130.8
45°	348.9	322.8	279.1	226.8	183.2	191.9	157.0	113.4	96.0	87.2	87.2
47.5°	331.5	305.3	244.2	191.9	139.6	139.6	113.4	78.5	61.1	52.3	52.3
50°	305.3	279.1	218.1	157.0	104.7	87.2	69.8	43.6	26.2	17.4	17.4
52.5°	287.9	261.7	191.9	130.8	87.2	61.1	43.6	8.7	0.0	0.0	0.0
55°	261.7	226.8	165.7	104.7	69.8	34.9	8.7	0.0	0.0	0.0	0.0
57.5°	226.8	200.6	130.8	78.5	43.6	8.7	0.0	0.0	0.0	0.0	0.0
60°	191.9	165.7	104.7	61.1	17.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	157.0	139.6	78.5	34.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	130.8	104.7	61.1	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	113.4	87.2	43.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	87.2	61.1	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	61.1	43.6	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	43.6	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	26.2	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3
2.5°	11095.7	11357.4	11601.6	11671.4	11863.3	12395.4	12395.4	12648.4	13102.0	13267.7	13302.6
5°	9359.8	9638.9	9691.3	10232.1	10485.1	11025.9	11383.5	12238.4	12753.1	13075.8	13276.4
7.5°	7118.0	7213.9	7414.6	7920.5	8417.7	9071.9	9752.3	10842.7	11749.9	12116.3	12796.7
10°	4893.6	5181.5	5617.6	6071.2	6847.6	7571.6	8452.6	9481.9	10598.5	11052.1	11636.5
12.5°	3297.3	3698.6	4396.4	5041.9	5757.2	6489.9	7327.3	8705.6	9970.4	10598.5	11182.9
15°	1927.8	2416.3	3018.2	4064.9	5015.7	5835.7	6673.1	8068.8	9604.1	10415.3	11130.6
17.5°	977.0	1125.3	1622.5	2529.7	3785.8	5129.1	6376.5	8156.0	9883.2	10877.6	11470.8
20°	732.7	776.3	915.9	1343.3	2590.7	4239.4	6097.4	8286.9	10659.5	11872.0	12194.8
22.5°	636.8	671.7	732.7	872.3	1456.7	3245.0	5704.9	8609.6	11715.0	12857.7	13538.1
25°	540.8	575.7	628.1	715.3	933.4	2206.9	5225.1	8949.8	12657.1	14096.4	14733.2
27.5°	471.0	497.2	549.6	619.3	758.9	1404.4	4396.4	9403.4	14096.4	15596.8	15762.5
30°	401.3	427.4	471.0	549.6	645.5	994.4	3227.5	9464.5	14890.2	16251.0	16713.3
32.5°	348.9	357.6	410.0	479.8	540.8	785.1	2268.0	9525.5	15474.6	17097.1	17193.1
35°	287.9	305.3	357.6	401.3	471.0	619.3	1718.4	9220.2	16233.6	17969.4	17943.3
37.5°	235.5	261.7	296.6	331.5	383.8	523.4	1369.5	8653.2	17184.4	19321.5	18501.5
40°	183.2	209.4	244.2	287.9	322.8	471.0	1029.3	7798.4	18178.8	19984.5	19112.1
42.5°	130.8	148.3	183.2	226.8	287.9	392.5	741.5	6786.5	18571.3	20760.8	19844.9
45°	96.0	113.4	139.6	191.9	296.6	314.0	514.7	5861.9	18990.0	21101.0	19679.1
47.5°	52.3	69.8	104.7	165.7	261.7	235.5	366.4	5033.2	19469.8	21406.3	19810.0
50°	17.4	26.2	61.1	174.5	209.4	183.2	287.9	4588.3	19940.8	21467.4	20071.7
52.5°	0.0	0.0	34.9	183.2	157.0	139.6	253.0	4413.9	19818.7	21659.3	19905.9
55°	0.0	0.0	8.7	78.5	87.2	104.7	209.4	4405.1	20682.3	21720.3	20813.1
57.5°	0.0	0.0	0.0	26.2	52.3	87.2	183.2	4126.0	21231.8	23238.1	22034.4
60°	0.0	0.0	0.0	8.7	34.9	61.1	139.6	3881.7	21790.1	23918.5	23342.8
62.5°	0.0	0.0	0.0	0.0	8.7	26.2	96.0	3506.7	20664.8	23866.2	24607.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	61.1	2773.9	18588.8	22618.8	23909.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	34.9	1919.1	16277.2	21048.7	22627.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1160.2	13136.9	18457.9	19190.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	497.2	9377.3	14654.7	15745.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200.6	5800.8	10711.9	12055.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.5	3759.6	8112.4	9150.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	2006.3	5085.5	5914.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	872.3	3088.0	3559.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	279.1	1875.5	2137.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	287.9	383.8
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: P599190
 CATALOG NUMBER: IFLD-L-SA7D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3	12369.3
2.5°	13320.1	13573.0	13669.0	13520.7	13538.1	13232.8	13189.2	12761.8	12587.3	12622.2
5°	13930.7	14297.0	14497.7	14331.9	13956.8	13372.4	12840.3	12334.4	12020.3	11863.3
7.5°	13791.1	14201.1	14454.1	14611.1	14183.6	13241.6	12430.3	11479.5	11078.2	11087.0
10°	13023.5	13878.3	14393.0	14192.4	13991.7	13049.6	11793.5	10764.2	10406.6	10441.5
12.5°	12404.1	13355.0	13660.3	13817.3	13407.3	12657.1	11811.0	10633.4	10232.1	9987.9
15°	12020.3	12726.9	12744.3	12988.6	12822.8	12822.8	11994.2	10842.7	10493.8	10223.4
17.5°	12020.3	12177.3	12159.9	12247.1	12526.3	12857.7	12456.5	11688.9	10999.7	10956.1
20°	12290.7	11802.3	11688.9	11723.7	11959.3	12945.0	13477.1	12517.5	12081.4	11941.8
22.5°	12918.8	11845.9	11156.7	11034.6	11758.6	12936.2	14131.3	13826.0	13067.1	12953.7
25°	13782.4	11767.4	11017.2	10860.2	11409.7	13250.3	15029.8	15090.8	14401.7	14166.2
27.5°	14602.3	12116.3	10999.7	10964.8	11688.9	13180.5	15649.1	16102.7	15326.4	15134.4
30°	14881.5	12465.2	11322.5	10860.2	11793.5	13433.5	15631.7	16818.0	16312.1	16355.7
32.5°	15213.0	12814.1	11357.4	11174.2	12238.4	13843.4	16128.9	17969.4	17603.1	17088.4
35°	15701.4	13285.2	11688.9	11523.1	12552.4	14209.8	16233.6	18815.6	18754.5	18152.6
37.5°	16120.2	13747.5	12378.0	12404.1	13512.0	14803.0	16695.9	19853.6	19748.9	19338.9
40°	16416.7	14393.0	13450.9	13520.7	14349.4	15465.9	17515.8	20377.0	21153.3	20551.4
42.5°	16460.3	14968.7	14680.9	15239.1	16015.5	16495.2	17847.3	20734.6	21851.2	21458.6
45°	16626.1	15884.6	16687.1	17097.1	17733.9	17402.4	17829.9	21345.2	21903.5	21702.9
47.5°	17271.6	17550.7	18562.6	19810.0	20036.8	18946.4	18248.6	21441.2	22200.1	22173.9
50°	17943.3	19338.9	20760.8	21589.5	21877.3	20010.6	18641.1	21362.7	22592.6	22383.3
52.5°	18693.4	20891.6	22941.6	23962.2	23805.1	21188.2	19086.0	21999.5	23316.6	23246.9
55°	19164.5	21589.5	24346.0	25767.8	25645.7	22505.4	20499.1	22915.4	24267.5	24093.0
57.5°	20411.9	22723.5	25741.6	26404.6	26727.4	24232.6	21484.8	24415.7	25061.3	25253.2
60°	21441.2	23464.9	26108.0	27067.5	27180.9	25261.9	23212.0	25959.7	26073.1	25427.6
62.5°	22950.3	23752.8	25331.7	26195.2	26779.7	25846.3	24764.7	26788.4	26055.7	26012.1
65°	24058.1	22810.7	23883.6	24363.4	24738.5	24956.6	26326.1	27355.4	25732.9	24886.8
67.5°	23438.8	21031.2	20830.6	20856.8	20970.2	22287.3	25802.7	25968.4	23936.0	23238.1
70°	20630.0	17254.1	16983.7	17193.1	16626.1	18213.7	23683.0	23604.5	21118.4	20394.4
72.5°	16687.1	12578.6	12116.3	12404.1	12535.0	14218.5	19923.4	17899.6	15404.9	14837.9
75°	13259.0	9220.2	7780.9	8478.8	8923.7	10354.2	15561.9	12159.9	10755.5	9987.9
77.5°	10415.3	6978.4	6053.8	5774.6	6184.6	7528.0	11322.5	6385.3	5635.1	5277.4
80°	6603.3	5129.1	5565.3	5164.0	5338.5	5373.4	5896.8	2904.8	2311.6	2285.4
82.5°	3977.7	3506.7	4169.6	2294.2	4178.3	3733.5	2451.2	1317.2	1168.9	1168.9
85°	2817.5	2172.0	1439.3	933.4	1858.0	2049.9	950.8	680.4	593.2	575.7
87.5°	1413.1	671.7	322.8	209.4	235.5	383.8	113.4	52.3	52.3	43.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)