

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: P599219

Luminaire Tested: **IFLD-L-SA7D-735-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: P599219
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7D-735-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (112) 3500K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

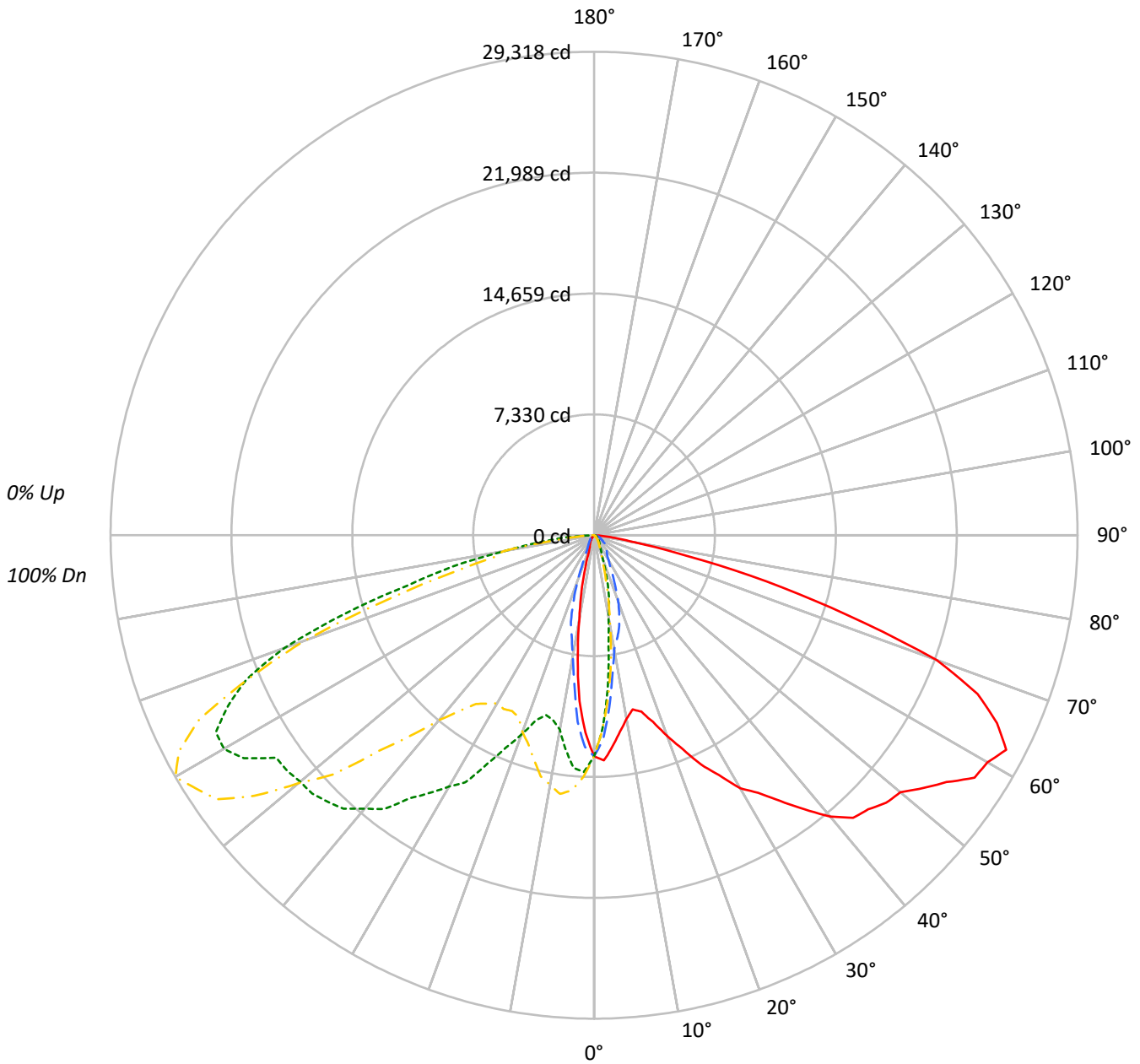
Lumens per Lamp: N/A
 Luminaire Lumens: 35044.6 lumens
 Efficiency: N/A
 Efficacy: 82.9 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

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

TEST NUMBER: P599219
CATALOG NUMBER: IFLD-L-SA7D-735-U-SLR-HSS

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - 90°-270° - · · - 135°-315°

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 CATALOG NUMBER: IFLD-L-SA7D-735-U-SLR-HSS

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°	72105	72105	72105	72105
5°	69420	50738	54617	76515
10°	61806	27624	27986	65421
15°	61698	18425	11266	62856
20°	74081	9199	4491	73648
25°	91117	5779	3479	90668
30°	110093	4639	2642	109388
35°	129180	3725	2049	127877
40°	156390	3186	1328	152076
45°	178918	2876	719	173956
50°	202992	2769	158	194685
55°	244862	2659	0	220748
60°	296454	2238	0	278860
65°	343275	1805	0	311992
70°	347602	1487	0	314596
75°	224957	981	0	241264
80°	76721	291	0	170721
85°	38508	0	0	125441

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 CATALOG NUMBER: IFLD-L-SA7D-735-U-SLR-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1014.9	2.9
10°-20°	1965.2	5.6
20°-30°	2737.0	7.8
30°-40°	3889.0	11.1
40°-50°	5392.9	15.4
50°-60°	7348.1	21.0
60°-70°	8078.7	23.1
70°-80°	3970.6	11.3
80°-90°	648.4	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°	5717.0	16.3
0°-40°	9606.0	27.4
0°-60°	22347.0	63.8
0°-90°	35044.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35044.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	13398	13398	13398	13398	13398	
5°	12850	9392	10110	14163	12850	1176
15°	11073	3307	2022	11281	11073	3278
25°	15344	973	586	15268	15344	7134
35°	19662	567	312	19463	19662	12481
45°	23507	378	94	22855	23507	18222
55°	26096	283	0	23526	26096	23475
65°	26956	142	0	24499	26956	26050
75°	10818	47	0	11602	10818	11794
85°	624	0	0	2031	624	863
90°	0	0	0	0	0	

TEST NUMBER: P599219
 CATALOG NUMBER: IFLD-L-SA7D-735-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5
2.5°	13671.5	13832.1	13681.0	13151.9	13057.4	12802.3	12414.9	12386.6	11980.3	12027.5	11810.2
5°	12849.5	13010.2	12688.9	11989.8	11337.8	10818.2	10506.4	9948.9	9826.1	9552.1	9552.1
7.5°	12008.6	11999.2	11451.2	10865.4	9892.3	8938.0	8503.4	7700.3	7227.9	6972.8	6727.1
10°	11309.5	11158.3	10818.2	9608.8	8550.6	7558.6	7020.0	6490.9	5999.6	5574.4	5149.3
12.5°	10818.2	10912.7	10374.1	9060.8	7690.8	7001.1	6424.8	5867.3	5281.5	4799.7	4327.3
15°	11073.3	10922.1	10289.1	8938.0	7549.1	6604.3	5839.0	5158.7	4506.8	3873.8	3514.7
17.5°	11866.9	11479.5	10733.1	8938.0	7256.2	5999.6	5073.7	4270.6	3571.4	3004.5	2560.5
20°	12934.6	12490.5	11687.4	9268.7	7038.9	5555.5	4289.5	3278.5	2551.0	2021.9	1681.8
22.5°	14030.6	13681.0	12471.6	9400.9	6783.8	4960.3	3382.5	2371.5	1700.7	1360.5	1190.5
25°	15343.9	14852.6	13529.8	9930.0	6405.9	4384.0	2664.4	1653.4	1266.1	1086.5	982.6
27.5°	16392.6	16307.6	14521.9	10251.3	6122.4	3911.5	2106.9	1313.3	1048.7	916.5	850.3
30°	17715.4	17252.4	15731.2	10893.8	5801.2	3373.0	1757.4	1181.0	963.7	822.0	774.8
32.5°	18509.0	18291.7	16364.3	11252.8	5442.2	2928.9	1511.7	1039.3	878.7	774.8	727.5
35°	19661.7	19227.1	17271.3	11479.5	5253.2	2673.8	1360.5	944.8	737.0	633.0	576.3
37.5°	20946.6	20786.0	18357.8	11470.1	4979.2	2522.7	1256.6	878.7	699.2	585.8	519.7
40°	22259.9	21608.0	19019.2	11734.6	4837.5	2409.3	1181.0	840.9	661.4	557.4	472.4
42.5°	23242.5	22496.1	19784.5	11640.2	4667.4	2210.9	1152.7	784.2	633.0	510.2	434.6
45°	23507.1	23242.5	20474.2	11611.8	4544.6	2050.3	1105.4	774.8	614.1	481.9	406.3
47.5°	24017.3	23837.8	21324.6	11659.1	4450.1	1927.4	992.1	793.6	585.8	453.5	387.4
50°	24244.1	23922.8	22014.3	11772.4	4232.8	1776.3	888.1	831.4	576.3	444.1	368.5
52.5°	25179.4	24896.0	22959.1	12093.7	4053.3	1577.8	784.2	793.6	595.2	415.7	349.6
55°	26095.9	25774.7	24414.1	12830.6	3798.2	1417.2	670.8	699.2	566.9	377.9	311.8
57.5°	27352.5	26823.4	25387.3	13133.0	3571.4	1199.9	595.2	576.3	529.1	340.1	274.0
60°	27541.5	27758.8	25245.6	12944.0	3335.2	1058.2	519.7	444.1	566.9	302.3	236.2
62.5°	28174.5	27267.5	24584.2	12509.4	3165.1	973.2	463.0	368.5	491.3	264.5	198.4
65°	26955.7	26284.9	23034.7	11111.1	2947.8	982.6	406.3	302.3	311.8	217.3	160.6
67.5°	25170.0	24640.9	20464.8	9589.9	2730.5	963.7	359.0	264.5	236.2	189.0	141.7
70°	22089.9	20946.6	17384.7	7785.3	2409.3	897.6	302.3	236.2	198.4	151.2	103.9
72.5°	16071.4	15608.4	12471.6	6018.5	2163.6	812.5	283.4	198.4	170.1	113.4	85.0
75°	10818.2	10052.9	7870.3	3949.3	1738.5	708.6	236.2	179.5	132.3	85.0	66.1
77.5°	5716.2	5404.4	4459.5	1880.2	963.7	330.7	132.3	103.9	75.6	66.1	37.8
80°	2475.4	2201.4	1927.4	765.3	340.1	151.2	85.0	56.7	47.2	37.8	18.9
82.5°	1266.1	1209.4	1001.5	330.7	198.4	113.4	47.2	37.8	28.3	18.9	9.4
85°	623.6	642.5	529.1	103.9	113.4	66.1	9.4	9.4	0.0	0.0	0.0
87.5°	47.2	47.2	37.8	18.9	28.3	9.4	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

TEST NUMBER: P599219
 CATALOG NUMBER: IFLD-L-SA7D-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5
2.5°	11725.2	11857.5	11630.7	11772.4	11706.3	11734.6	11763.0	11687.4	11706.3	11970.9	11980.3
5°	9391.5	9646.6	9552.1	9684.4	9911.1	9797.8	9901.7	9882.8	9901.7	9939.5	10109.6
7.5°	6698.8	6623.2	6802.7	7152.3	7558.6	7804.2	7681.4	7615.2	7577.4	7483.0	7596.3
10°	5054.8	5017.0	4969.7	5073.7	5338.2	5612.2	5763.4	5508.3	5366.6	5187.1	5120.9
12.5°	4195.0	3958.8	3826.5	3665.9	3741.5	3987.1	3996.6	3750.9	3524.2	3429.7	3533.6
15°	3306.9	3146.2	2910.0	2683.3	2569.9	2758.9	2598.3	2362.0	2069.2	2031.4	2021.9
17.5°	2362.0	2267.6	2097.5	2003.0	1870.7	1823.5	1653.4	1294.4	1086.5	1029.9	1048.7
20°	1606.2	1530.6	1521.2	1436.1	1379.4	1341.6	1067.6	831.4	765.3	774.8	784.2
22.5°	1190.5	1152.7	1105.4	1096.0	1048.7	1001.5	784.2	699.2	651.9	651.9	680.3
25°	973.2	954.3	907.0	888.1	869.2	803.1	661.4	595.2	576.3	557.4	585.8
27.5°	831.4	822.0	793.6	765.3	746.4	680.3	576.3	519.7	500.8	500.8	500.8
30°	746.4	746.4	708.6	651.9	651.9	576.3	491.3	453.5	434.6	434.6	425.2
32.5°	699.2	680.3	633.0	595.2	566.9	491.3	434.6	396.8	368.5	368.5	377.9
35°	566.9	566.9	557.4	529.1	491.3	415.7	368.5	330.7	311.8	302.3	311.8
37.5°	500.8	472.4	434.6	444.1	425.2	359.0	311.8	283.4	255.1	255.1	255.1
40°	453.5	425.2	387.4	359.0	349.6	321.2	274.0	226.8	198.4	189.0	189.0
42.5°	406.3	387.4	330.7	283.4	274.0	274.0	207.9	170.1	141.7	141.7	141.7
45°	377.9	349.6	302.3	245.7	198.4	207.9	170.1	122.8	103.9	94.5	94.5
47.5°	359.0	330.7	264.5	207.9	151.2	151.2	122.8	85.0	66.1	56.7	56.7
50°	330.7	302.3	236.2	170.1	113.4	94.5	75.6	47.2	28.3	18.9	18.9
52.5°	311.8	283.4	207.9	141.7	94.5	66.1	47.2	9.4	0.0	0.0	0.0
55°	283.4	245.7	179.5	113.4	75.6	37.8	9.4	0.0	0.0	0.0	0.0
57.5°	245.7	217.3	141.7	85.0	47.2	9.4	0.0	0.0	0.0	0.0	0.0
60°	207.9	179.5	113.4	66.1	18.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	170.1	151.2	85.0	37.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	141.7	113.4	66.1	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	122.8	94.5	47.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	94.5	66.1	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	66.1	47.2	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	47.2	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	28.3	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	9.4	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

TEST NUMBER: P599219
 CATALOG NUMBER: IFLD-L-SA7D-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5
2.5°	12018.1	12301.5	12566.1	12641.7	12849.5	13425.9	13425.9	13699.9	14191.2	14370.7	14408.5
5°	10137.9	10440.2	10496.9	11082.7	11356.7	11942.5	12329.9	13255.8	13813.3	14162.8	14380.1
7.5°	7709.7	7813.7	8031.0	8579.0	9117.5	9826.1	10563.1	11744.1	12726.7	13123.5	13860.5
10°	5300.4	5612.2	6084.6	6575.9	7416.8	8201.0	9155.3	10270.2	11479.5	11970.9	12603.9
12.5°	3571.4	4006.0	4761.9	5461.1	6235.8	7029.5	7936.5	9429.3	10799.3	11479.5	12112.6
15°	2088.0	2617.1	3269.1	4402.9	5432.7	6320.8	7227.9	8739.6	10402.5	11281.1	12055.9
17.5°	1058.2	1218.8	1757.4	2740.0	4100.5	5555.5	6906.6	8834.1	10704.8	11781.9	12424.4
20°	793.6	840.9	992.1	1455.0	2806.1	4591.8	6604.3	8975.8	11545.7	12859.0	13208.6
22.5°	689.7	727.5	793.6	944.8	1577.8	3514.7	6179.1	9325.4	12688.9	13926.6	14663.6
25°	585.8	623.6	680.3	774.8	1011.0	2390.4	5659.5	9693.8	13709.3	15268.3	15958.0
27.5°	510.2	538.5	595.2	670.8	822.0	1521.2	4761.9	10185.1	15268.3	16893.4	17072.9
30°	434.6	463.0	510.2	595.2	699.2	1077.1	3495.8	10251.3	16128.1	17602.0	18102.7
32.5°	377.9	387.4	444.1	519.7	585.8	850.3	2456.5	10317.4	16761.1	18518.4	18622.4
35°	311.8	330.7	387.4	434.6	510.2	670.8	1861.3	9986.7	17583.1	19463.3	19434.9
37.5°	255.1	283.4	321.2	359.0	415.7	566.9	1483.4	9372.6	18612.9	20927.7	20039.6
40°	198.4	226.8	264.5	311.8	349.6	510.2	1114.9	8446.7	19690.0	21645.8	20701.0
42.5°	141.7	160.6	198.4	245.7	311.8	425.2	803.1	7350.7	20115.2	22486.7	21494.6
45°	103.9	122.8	151.2	207.9	321.2	340.1	557.4	6349.2	20568.7	22855.2	21315.1
47.5°	56.7	75.6	113.4	179.5	283.4	255.1	396.8	5451.6	21088.4	23185.9	21456.8
50°	18.9	28.3	66.1	189.0	226.8	198.4	311.8	4969.7	21598.6	23252.0	21740.3
52.5°	0.0	0.0	37.8	198.4	170.1	151.2	274.0	4780.8	21466.3	23459.9	21560.8
55°	0.0	0.0	9.4	85.0	94.5	113.4	226.8	4771.3	22401.7	23526.0	22543.4
57.5°	0.0	0.0	0.0	28.3	56.7	94.5	198.4	4469.0	22996.9	25170.0	23866.1
60°	0.0	0.0	0.0	9.4	37.8	66.1	151.2	4204.4	23601.6	25906.9	25283.4
62.5°	0.0	0.0	0.0	0.0	9.4	28.3	103.9	3798.2	22382.8	25850.2	26653.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	66.1	3004.5	20134.1	24499.2	25897.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	37.8	2078.6	17630.3	22798.5	24508.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1256.6	14229.0	19992.4	20786.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	538.5	10156.8	15873.0	17054.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	217.3	6283.0	11602.4	13057.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.0	4072.2	8786.8	9911.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	2173.1	5508.3	6405.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	944.8	3344.7	3854.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	302.3	2031.4	2314.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	311.8	415.7
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: P599219
 CATALOG NUMBER: IFLD-L-SA7D-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5	13397.5
2.5°	14427.4	14701.4	14805.3	14644.7	14663.6	14332.9	14285.7	13822.7	13633.7	13671.5
5°	15088.8	15485.6	15702.9	15523.4	15117.1	14484.1	13907.7	13359.7	13019.6	12849.5
7.5°	14937.6	15381.7	15655.6	15825.7	15362.8	14342.3	13463.7	12433.8	11999.2	12008.6
10°	14106.1	15032.1	15589.5	15372.2	15154.9	14134.5	12774.0	11659.1	11271.7	11309.5
12.5°	13435.3	14465.2	14795.9	14965.9	14521.9	13709.3	12792.8	11517.3	11082.7	10818.2
15°	13019.6	13784.9	13803.8	14068.4	13888.8	13888.8	12991.3	11744.1	11366.2	11073.3
17.5°	13019.6	13189.7	13170.8	13265.3	13567.6	13926.6	13492.0	12660.6	11914.2	11866.9
20°	13312.5	12783.4	12660.6	12698.4	12953.5	14021.1	14597.5	13558.1	13085.7	12934.6
22.5°	13992.8	12830.6	12084.2	11952.0	12736.2	14011.7	15306.1	14975.4	14153.4	14030.6
25°	14928.1	12745.6	11933.1	11763.0	12358.2	14351.8	16279.2	16345.4	15599.0	15343.9
27.5°	15816.3	13123.5	11914.2	11876.4	12660.6	14276.2	16950.0	17441.4	16600.5	16392.6
30°	16118.6	13501.5	12263.7	11763.0	12774.0	14550.2	16931.2	18216.1	17668.1	17715.4
32.5°	16477.6	13879.4	12301.5	12103.1	13255.8	14994.3	17469.7	19463.3	19066.4	18509.0
35°	17006.7	14389.6	12660.6	12481.1	13595.9	15391.1	17583.1	20379.7	20313.6	19661.7
37.5°	17460.3	14890.3	13407.0	13435.3	14635.2	16033.6	18083.8	21504.1	21390.7	20946.6
40°	17781.5	15589.5	14569.1	14644.7	15542.3	16751.6	18972.0	22071.0	22911.9	22259.9
42.5°	17828.7	16213.1	15901.3	16506.0	17346.9	17866.5	19331.0	22458.3	23667.7	23242.5
45°	18008.2	17205.2	18074.4	18518.4	19208.2	18849.1	19312.1	23119.7	23724.4	23507.1
47.5°	18707.4	19009.8	20105.7	21456.8	21702.5	20521.5	19765.6	23223.6	24045.6	24017.3
50°	19434.9	20946.6	22486.7	23384.3	23696.1	21674.1	20190.8	23138.6	24470.8	24244.1
52.5°	20247.5	22628.4	24848.7	25954.2	25784.1	22949.6	20672.6	23828.3	25255.0	25179.4
55°	20757.7	23384.3	26369.9	27909.9	27777.7	24376.3	22203.2	24820.4	26284.9	26095.9
57.5°	22108.8	24612.5	27881.6	28599.7	28949.2	26247.1	23270.9	26445.5	27144.6	27352.5
60°	23223.6	25415.6	28278.4	29317.7	29440.6	27362.0	25141.6	28117.8	28240.6	27541.5
62.5°	24858.2	25727.4	27437.5	28372.9	29005.9	27995.0	26823.4	29015.4	28221.7	28174.5
65°	26058.1	24707.0	25869.1	26388.8	26795.1	27031.3	28514.6	29629.5	27872.2	26955.7
67.5°	25387.3	22779.6	22562.3	22590.6	22713.4	24140.1	27947.7	28127.3	25925.8	25170.0
70°	22345.0	18688.5	18395.6	18622.4	18008.2	19727.8	25651.8	25566.8	22874.1	22089.9
72.5°	18074.4	13624.3	13123.5	13435.3	13577.0	15400.5	21579.7	19387.7	16685.5	16071.4
75°	14361.2	9986.7	8427.8	9183.6	9665.5	11215.0	16855.6	13170.8	11649.6	10818.2
77.5°	11281.1	7558.6	6557.0	6254.7	6698.8	8153.8	12263.7	6916.1	6103.5	5716.2
80°	7152.3	5555.5	6027.9	5593.3	5782.3	5820.1	6387.0	3146.2	2503.8	2475.4
82.5°	4308.4	3798.2	4516.2	2484.9	4525.7	4043.8	2654.9	1426.7	1266.1	1266.1
85°	3051.8	2352.6	1559.0	1011.0	2012.5	2220.3	1029.9	737.0	642.5	623.6
87.5°	1530.6	727.5	349.6	226.8	255.1	415.7	122.8	56.7	56.7	47.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)