

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: P599154

Luminaire Tested: **IFLD-M-SA4B-727-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: P599154  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4B-727-U-SLR-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield  
 Light Source: (64) 2700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

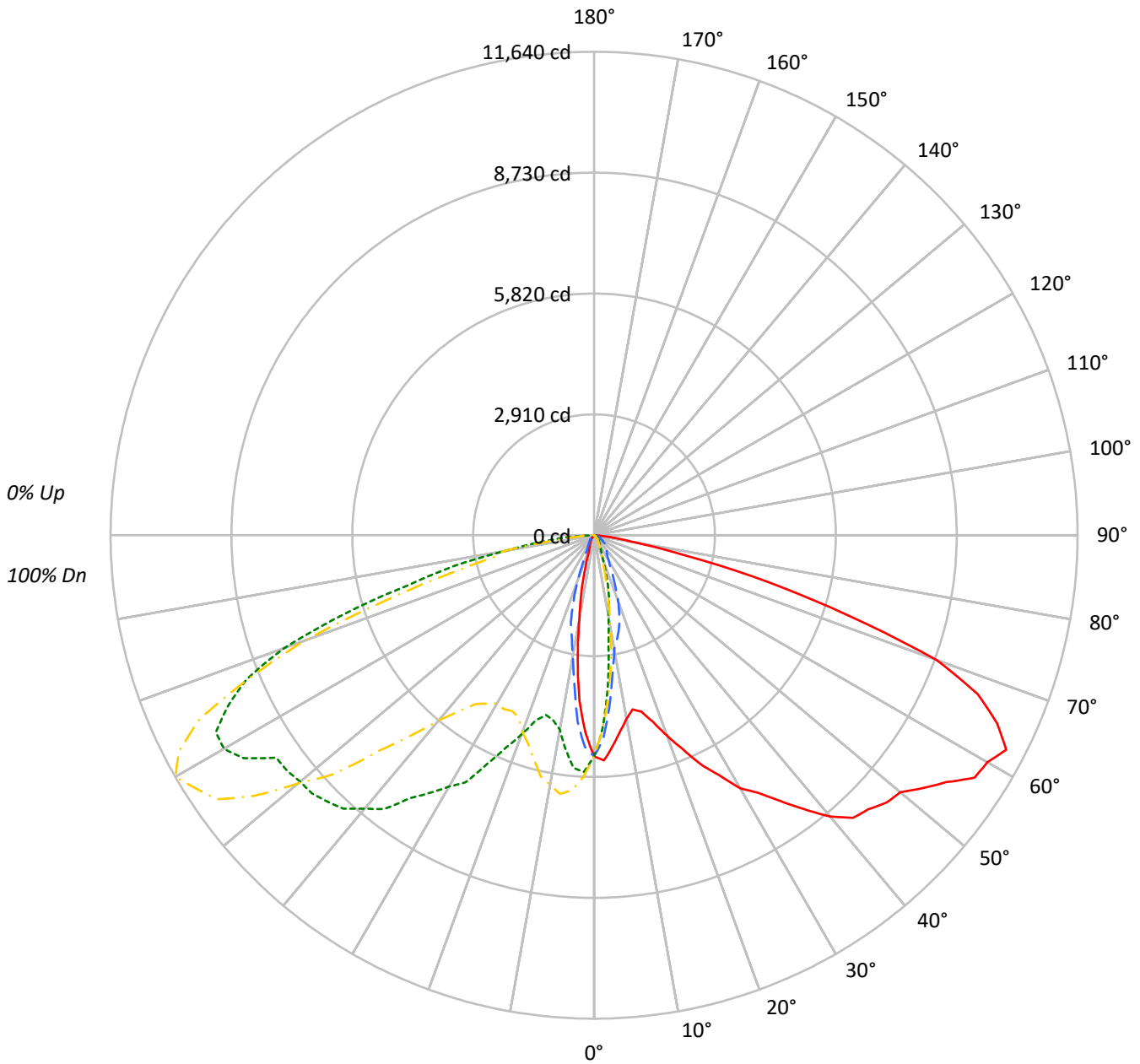
Lumens per Lamp: N/A  
 Luminaire Lumens: 13913.2 lumens  
 Efficiency: N/A  
 Efficacy: 83.8 lumens/watt  
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 166.1  
 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79	79	79	79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62	62	62	62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49	49	49	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40	40	40	40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33	33	33	33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27	27	27	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24	24	24	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20	20	20	20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16	16	16	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	57253	57253	57253	57253
5°	55121	40288	43367	60755
10°	49076	21934	22222	51946
15°	48990	14630	8945	49910
20°	58822	7305	3566	58479
25°	72349	4589	2763	71993
30°	87416	3683	2098	86857
35°	102572	2958	1627	101538
40°	124178	2531	1054	120753
45°	142065	2283	571	138126
50°	161181	2199	126	154584
55°	194427	2111	0	175279
60°	235392	1776	0	221422
65°	272570	1434	0	247730
70°	276006	1180	0	249796
75°	178623	782	0	191569
80°	60921	236	0	135559
85°	30579	0	0	99604

TEST NUMBER: P599154  
 CATALOG NUMBER: IFLD-M-SA4B-727-U-SLR-HSS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.9	2.9
10°-20°	780.2	5.6
20°-30°	1086.6	7.8
30°-40°	1544.0	11.1
40°-50°	2141.0	15.4
50°-60°	2917.3	21.0
60°-70°	3207.3	23.1
70°-80°	1576.4	11.3
80°-90°	257.4	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°	2269.7	16.3
0°-40°	3813.7	27.4
0°-60°	8872.0	63.8
0°-90°	13913.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13913.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5319	5319	5319	5319	5319	
5°	5101	3729	4014	5623	5101	467
15°	4396	1313	803	4479	4396	1301
25°	6092	386	233	6062	6092	2832
35°	7806	225	124	7727	7806	4955
45°	9333	150	38	9074	9333	7234
55°	10360	112	0	9340	10360	9320
65°	10702	56	0	9726	10702	10342
75°	4295	19	0	4606	4295	4682
85°	248	0	0	806	248	342
90°	0	0	0	0	0	

TEST NUMBER: P599154  
 CATALOG NUMBER: IFLD-M-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0
2.5°	5427.8	5491.5	5431.5	5221.5	5184.0	5082.7	4928.9	4917.6	4756.3	4775.1	4688.8
5°	5101.4	5165.2	5037.7	4760.1	4501.3	4295.0	4171.2	3949.9	3901.1	3792.3	3792.3
7.5°	4767.6	4763.8	4546.3	4313.7	3927.4	3548.5	3376.0	3057.1	2869.6	2768.3	2670.8
10°	4490.0	4430.0	4295.0	3814.8	3394.7	3000.8	2787.0	2577.0	2381.9	2213.1	2044.3
12.5°	4295.0	4332.5	4118.7	3597.3	3053.4	2779.5	2550.7	2329.4	2096.8	1905.5	1718.0
15°	4396.2	4336.2	4084.9	3548.5	2997.1	2622.0	2318.2	2048.1	1789.3	1537.9	1395.4
17.5°	4711.3	4557.5	4261.2	3548.5	2880.8	2381.9	2014.3	1695.5	1417.9	1192.8	1016.5
20°	5135.2	4958.9	4640.1	3679.8	2794.5	2205.6	1703.0	1301.6	1012.8	802.7	667.7
22.5°	5570.3	5431.5	4951.4	3732.3	2693.3	1969.3	1342.9	941.5	675.2	540.2	472.6
25°	6091.7	5896.7	5371.5	3942.4	2543.2	1740.5	1057.8	656.4	502.6	431.4	390.1
27.5°	6508.1	6474.3	5765.4	4069.9	2430.7	1552.9	836.5	521.4	416.4	363.9	337.6
30°	7033.2	6849.4	6245.5	4325.0	2303.1	1339.1	697.7	468.9	382.6	326.3	307.6
32.5°	7348.3	7262.0	6496.8	4467.5	2160.6	1162.8	600.2	412.6	348.8	307.6	288.8
35°	7805.9	7633.4	6856.9	4557.5	2085.6	1061.5	540.2	375.1	292.6	251.3	228.8
37.5°	8316.1	8252.3	7288.3	4553.8	1976.8	1001.5	498.9	348.8	277.6	232.6	206.3
40°	8837.5	8578.7	7550.9	4658.8	1920.5	956.5	468.9	333.8	262.6	221.3	187.6
42.5°	9227.6	8931.3	7854.7	4621.3	1853.0	877.7	457.6	311.3	251.3	202.6	172.5
45°	9332.6	9227.6	8128.5	4610.0	1804.3	814.0	438.9	307.6	243.8	191.3	161.3
47.5°	9535.2	9463.9	8466.1	4628.8	1766.7	765.2	393.9	315.1	232.6	180.1	153.8
50°	9625.2	9497.7	8740.0	4673.8	1680.5	705.2	352.6	330.1	228.8	176.3	146.3
52.5°	9996.6	9884.0	9115.1	4801.4	1609.2	626.4	311.3	315.1	236.3	165.0	138.8
55°	10360.4	10232.9	9692.7	5093.9	1507.9	562.7	266.3	277.6	225.1	150.0	123.8
57.5°	10859.3	10649.2	10079.1	5214.0	1417.9	476.4	236.3	228.8	210.1	135.0	108.8
60°	10934.3	11020.6	10022.8	5138.9	1324.1	420.1	206.3	176.3	225.1	120.0	93.8
62.5°	11185.7	10825.5	9760.2	4966.4	1256.6	386.4	183.8	146.3	195.1	105.0	78.8
65°	10701.8	10435.4	9145.1	4411.2	1170.3	390.1	161.3	120.0	123.8	86.3	63.8
67.5°	9992.8	9782.8	8124.8	3807.3	1084.1	382.6	142.5	105.0	93.8	75.0	56.3
70°	8770.0	8316.1	6901.9	3090.9	956.5	356.4	120.0	93.8	78.8	60.0	41.3
72.5°	6380.5	6196.7	4951.4	2389.4	859.0	322.6	112.5	78.8	67.5	45.0	33.8
75°	4295.0	3991.1	3124.6	1567.9	690.2	281.3	93.8	71.3	52.5	33.8	26.3
77.5°	2269.4	2145.6	1770.5	746.5	382.6	131.3	52.5	41.3	30.0	26.3	15.0
80°	982.8	874.0	765.2	303.8	135.0	60.0	33.8	22.5	18.8	15.0	7.5
82.5°	502.6	480.1	397.6	131.3	78.8	45.0	18.8	15.0	11.3	7.5	3.8
85°	247.6	255.1	210.1	41.3	45.0	26.3	3.8	3.8	0.0	0.0	0.0
87.5°	18.8	18.8	15.0	7.5	11.3	3.8	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: P599154  
 CATALOG NUMBER: IFLD-M-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0
2.5°	4655.1	4707.6	4617.6	4673.8	4647.6	4658.8	4670.1	4640.1	4647.6	4752.6	4756.3
5°	3728.6	3829.8	3792.3	3844.8	3934.9	3889.8	3931.1	3923.6	3931.1	3946.1	4013.6
7.5°	2659.5	2629.5	2700.8	2839.5	3000.8	3098.4	3049.6	3023.4	3008.3	2970.8	3015.8
10°	2006.8	1991.8	1973.1	2014.3	2119.3	2228.1	2288.1	2186.9	2130.6	2059.3	2033.1
12.5°	1665.5	1571.7	1519.2	1455.4	1485.4	1582.9	1586.7	1489.2	1399.1	1361.6	1402.9
15°	1312.9	1249.1	1155.3	1065.3	1020.3	1095.3	1031.5	937.8	821.5	806.5	802.7
17.5°	937.8	900.3	832.7	795.2	742.7	724.0	656.4	513.9	431.4	408.9	416.4
20°	637.7	607.7	603.9	570.2	547.7	532.7	423.9	330.1	303.8	307.6	311.3
22.5°	472.6	457.6	438.9	435.1	416.4	397.6	311.3	277.6	258.8	258.8	270.1
25°	386.4	378.9	360.1	352.6	345.1	318.8	262.6	236.3	228.8	221.3	232.6
27.5°	330.1	326.3	315.1	303.8	296.3	270.1	228.8	206.3	198.8	198.8	198.8
30°	296.3	296.3	281.3	258.8	258.8	228.8	195.1	180.1	172.5	172.5	168.8
32.5°	277.6	270.1	251.3	236.3	225.1	195.1	172.5	157.5	146.3	146.3	150.0
35°	225.1	225.1	221.3	210.1	195.1	165.0	146.3	131.3	123.8	120.0	123.8
37.5°	198.8	187.6	172.5	176.3	168.8	142.5	123.8	112.5	101.3	101.3	101.3
40°	180.1	168.8	153.8	142.5	138.8	127.5	108.8	90.0	78.8	75.0	75.0
42.5°	161.3	153.8	131.3	112.5	108.8	108.8	82.5	67.5	56.3	56.3	56.3
45°	150.0	138.8	120.0	97.5	78.8	82.5	67.5	48.8	41.3	37.5	37.5
47.5°	142.5	131.3	105.0	82.5	60.0	60.0	48.8	33.8	26.3	22.5	22.5
50°	131.3	120.0	93.8	67.5	45.0	37.5	30.0	18.8	11.3	7.5	7.5
52.5°	123.8	112.5	82.5	56.3	37.5	26.3	18.8	3.8	0.0	0.0	0.0
55°	112.5	97.5	71.3	45.0	30.0	15.0	3.8	0.0	0.0	0.0	0.0
57.5°	97.5	86.3	56.3	33.8	18.8	3.8	0.0	0.0	0.0	0.0	0.0
60°	82.5	71.3	45.0	26.3	7.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	67.5	60.0	33.8	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	56.3	45.0	26.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	48.8	37.5	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	37.5	26.3	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	26.3	18.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	18.8	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	11.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.8	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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 CATALOG NUMBER: IFLD-M-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0
2.5°	4771.3	4883.9	4988.9	5018.9	5101.4	5330.3	5330.3	5439.0	5634.1	5705.4	5720.4
5°	4024.9	4144.9	4167.4	4400.0	4508.8	4741.3	4895.1	5262.7	5484.0	5622.8	5709.1
7.5°	3060.9	3102.1	3188.4	3406.0	3619.8	3901.1	4193.7	4662.6	5052.7	5210.2	5502.8
10°	2104.3	2228.1	2415.7	2610.7	2944.6	3255.9	3634.8	4077.4	4557.5	4752.6	5003.9
12.5°	1417.9	1590.4	1890.5	2168.1	2475.7	2790.8	3150.9	3743.6	4287.5	4557.5	4808.9
15°	829.0	1039.0	1297.9	1748.0	2156.9	2509.5	2869.6	3469.7	4129.9	4478.8	4786.3
17.5°	420.1	483.9	697.7	1087.8	1628.0	2205.6	2742.0	3507.2	4249.9	4677.6	4932.6
20°	315.1	333.8	393.9	577.7	1114.1	1823.0	2622.0	3563.5	4583.8	5105.2	5244.0
22.5°	273.8	288.8	315.1	375.1	626.4	1395.4	2453.2	3702.3	5037.7	5529.1	5821.6
25°	232.6	247.6	270.1	307.6	401.4	949.0	2246.9	3848.6	5442.8	6061.7	6335.5
27.5°	202.6	213.8	236.3	266.3	326.3	603.9	1890.5	4043.6	6061.7	6706.9	6778.2
30°	172.5	183.8	202.6	236.3	277.6	427.6	1387.9	4069.9	6403.1	6988.2	7187.0
32.5°	150.0	153.8	176.3	206.3	232.6	337.6	975.3	4096.2	6654.4	7352.1	7393.3
35°	123.8	131.3	153.8	172.5	202.6	266.3	739.0	3964.9	6980.7	7727.2	7715.9
37.5°	101.3	112.5	127.5	142.5	165.0	225.1	588.9	3721.0	7389.6	8308.6	7956.0
40°	78.8	90.0	105.0	123.8	138.8	202.6	442.6	3353.4	7817.2	8593.7	8218.6
42.5°	56.3	63.8	78.8	97.5	123.8	168.8	318.8	2918.3	7986.0	8927.5	8533.7
45°	41.3	48.8	60.0	82.5	127.5	135.0	221.3	2520.7	8166.0	9073.8	8462.4
47.5°	22.5	30.0	45.0	71.3	112.5	101.3	157.5	2164.4	8372.4	9205.1	8518.6
50°	7.5	11.3	26.3	75.0	90.0	78.8	123.8	1973.1	8574.9	9231.3	8631.2
52.5°	0.0	0.0	15.0	78.8	67.5	60.0	108.8	1898.0	8522.4	9313.9	8559.9
55°	0.0	0.0	3.8	33.8	37.5	45.0	90.0	1894.3	8893.8	9340.1	8950.0
57.5°	0.0	0.0	0.0	11.3	22.5	37.5	78.8	1774.2	9130.1	9992.8	9475.2
60°	0.0	0.0	0.0	3.8	15.0	26.3	60.0	1669.2	9370.1	10285.4	10037.8
62.5°	0.0	0.0	0.0	0.0	3.8	11.3	41.3	1507.9	8886.3	10262.9	10581.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	26.3	1192.8	7993.5	9726.5	10281.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	15.0	825.2	6999.5	9051.3	9730.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	498.9	5649.1	7937.2	8252.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	213.8	4032.4	6301.8	6770.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86.3	2494.5	4606.3	5184.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.8	1616.7	3488.5	3934.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	862.7	2186.9	2543.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	375.1	1327.9	1530.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120.0	806.5	919.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	123.8	165.0
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: P599154  
 CATALOG NUMBER: IFLD-M-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0	5319.0
2.5°	5727.9	5836.6	5877.9	5814.1	5821.6	5690.4	5671.6	5487.8	5412.8	5427.8
5°	5990.4	6148.0	6234.3	6163.0	6001.7	5750.4	5521.6	5304.0	5169.0	5101.4
7.5°	5930.4	6106.7	6215.5	6283.0	6099.2	5694.1	5345.3	4936.4	4763.8	4767.6
10°	5600.3	5967.9	6189.2	6103.0	6016.7	5611.6	5071.4	4628.8	4475.0	4490.0
12.5°	5334.0	5742.9	5874.2	5941.7	5765.4	5442.8	5078.9	4572.5	4400.0	4295.0
15°	5169.0	5472.8	5480.3	5585.3	5514.1	5514.1	5157.7	4662.6	4512.5	4396.2
17.5°	5169.0	5236.5	5229.0	5266.5	5386.5	5529.1	5356.5	5026.4	4730.1	4711.3
20°	5285.2	5075.2	5026.4	5041.4	5142.7	5566.6	5795.4	5382.8	5195.2	5135.2
22.5°	5555.3	5093.9	4797.6	4745.1	5056.4	5562.8	6076.7	5945.4	5619.1	5570.3
25°	5926.7	5060.2	4737.6	4670.1	4906.4	5697.9	6463.1	6489.3	6193.0	6091.7
27.5°	6279.3	5210.2	4730.1	4715.1	5026.4	5667.8	6729.4	6924.5	6590.6	6508.1
30°	6399.3	5360.3	4868.9	4670.1	5071.4	5776.6	6721.9	7232.0	7014.5	7033.2
32.5°	6541.8	5510.3	4883.9	4805.1	5262.7	5952.9	6935.7	7727.2	7569.6	7348.3
35°	6751.9	5712.9	5026.4	4955.1	5397.8	6110.5	6980.7	8091.0	8064.8	7805.9
37.5°	6932.0	5911.7	5322.7	5334.0	5810.4	6365.5	7179.5	8537.4	8492.4	8316.1
40°	7059.5	6189.2	5784.1	5814.1	6170.5	6650.6	7532.1	8762.5	9096.3	8837.5
42.5°	7078.2	6436.8	6313.0	6553.1	6886.9	7093.2	7674.7	8916.3	9396.4	9227.6
45°	7149.5	6830.7	7175.8	7352.1	7625.9	7483.4	7667.2	9178.8	9418.9	9332.6
47.5°	7427.1	7547.1	7982.2	8518.6	8616.2	8147.3	7847.2	9220.1	9546.4	9535.2
50°	7715.9	8316.1	8927.5	9283.9	9407.6	8604.9	8016.0	9186.3	9715.2	9625.2
52.5°	8038.5	8983.8	9865.3	10304.2	10236.6	9111.3	8207.3	9460.2	10026.6	9996.6
55°	8241.1	9283.9	10469.2	11080.6	11028.1	9677.7	8815.0	9854.0	10435.4	10360.4
57.5°	8777.5	9771.5	11069.4	11354.4	11493.2	10420.4	9238.9	10499.2	10776.8	10859.3
60°	9220.1	10090.3	11226.9	11639.5	11688.3	10863.1	9981.6	11163.1	11211.9	10934.3
62.5°	9869.0	10214.1	10893.1	11264.4	11515.7	11114.4	10649.2	11519.5	11204.4	11185.7
65°	10345.4	9809.0	10270.4	10476.7	10638.0	10731.8	11320.7	11763.3	11065.6	10701.8
67.5°	10079.1	9043.8	8957.5	8968.8	9017.5	9583.9	11095.6	11166.9	10292.9	9992.8
70°	8871.2	7419.6	7303.3	7393.3	7149.5	7832.2	10184.1	10150.4	9081.3	8770.0
72.5°	7175.8	5409.0	5210.2	5334.0	5390.3	6114.2	8567.4	7697.2	6624.4	6380.5
75°	5701.6	3964.9	3345.9	3646.0	3837.3	4452.5	6691.9	5229.0	4625.1	4295.0
77.5°	4478.8	3000.8	2603.2	2483.2	2659.5	3237.2	4868.9	2745.8	2423.2	2269.4
80°	2839.5	2205.6	2393.2	2220.6	2295.6	2310.7	2535.7	1249.1	994.0	982.8
82.5°	1710.5	1507.9	1793.0	986.5	1796.8	1605.5	1054.0	566.4	502.6	502.6
85°	1211.6	934.0	618.9	401.4	799.0	881.5	408.9	292.6	255.1	247.6
87.5°	607.7	288.8	138.8	90.0	101.3	165.0	48.8	22.5	22.5	18.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)