

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: P599387

Luminaire Tested: **IFLD-M-SA4C-722-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P599387
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4C-722-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (64) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

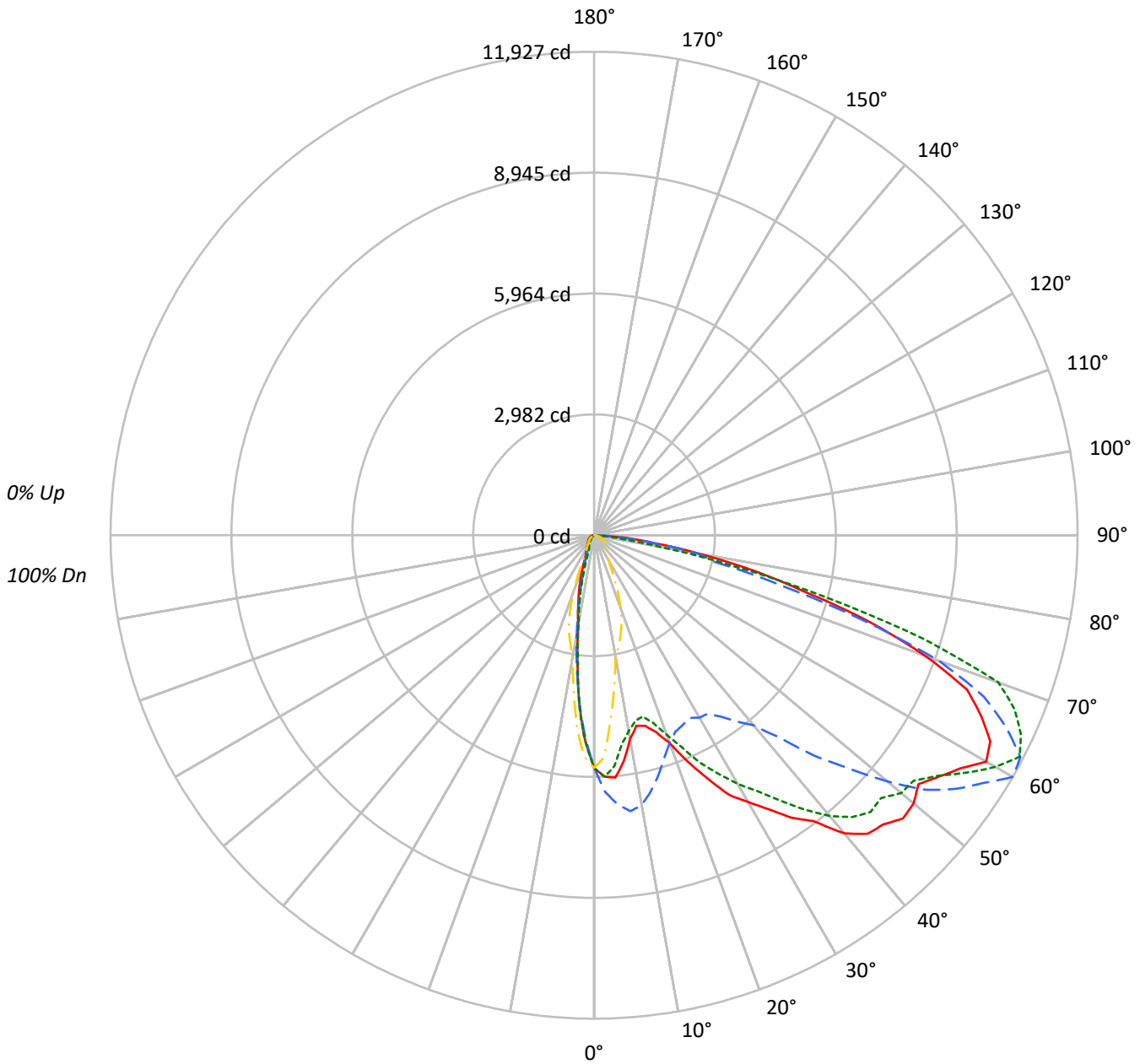
Lumens per Lamp: N/A
 Luminaire Lumens: 15253.4 lumens
 Efficiency: N/A
 Efficacy: 69.9 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 218.1
 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

TEST NUMBER: P599387
CATALOG NUMBER: IFLD-M-SA4C-722-U-SLL-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599387
 CATALOG NUMBER: IFLD-M-SA4C-722-U-SLL-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	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	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79				
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61				
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48				
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39				
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32				
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27				
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23				
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20				
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18				
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	61733	61733	61733	61733
5°	64873	61749	45112	45377
10°	55784	53648	24665	24085
15°	54243	51565	16023	12074
20°	62522	59909	8585	4292
25°	78613	73533	5563	3339
30°	94420	87991	4506	2734
35°	111812	104907	3694	2194
40°	134902	127004	3263	1659
45°	153587	146891	3038	1116
50°	172298	165613	3001	682
55°	194847	194160	2982	306
60°	240444	246143	2719	88
65°	268284	295880	2491	0
70°	273564	333942	2307	0
75°	222595	246312	2204	0
80°	161848	103016	2275	0
85°	104631	43263	3013	0

TEST NUMBER: P599387
 CATALOG NUMBER: IFLD-M-SA4C-722-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.7	2.9
10°-20°	854.4	5.6
20°-30°	1182.3	7.8
30°-40°	1670.9	11.0
40°-50°	2275.0	14.9
50°-60°	3013.1	19.8
60°-70°	3498.5	22.9
70°-80°	1981.2	13.0
80°-90°	342.3	2.2
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°	2472.4	16.2
0°-40°	4143.4	27.2
0°-60°	9431.5	61.8
0°-90°	15253.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15253.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5735	5735	5735	5735	5735	
5°	6004	5715	4175	4200	6004	539
15°	4868	4627	1438	1084	4868	1428
25°	6619	6191	468	281	6619	3087
35°	8509	7984	281	167	8509	5364
45°	10090	9650	200	73	10090	7822
55°	10383	10346	159	16	10383	9407
65°	10534	11617	98	0	10534	10268
75°	5352	5923	53	0	5352	5841
85°	847	350	24	0	847	1018
90°	0	0	0	0	0	

TEST NUMBER: P599387
 CATALOG NUMBER: IFLD-M-SA4C-722-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2
2.5°	5959.2	6085.5	6089.6	6146.6	6203.6	6203.6	6338.0	6305.5	6187.3	6167.0	6081.4
5°	6004.0	6048.8	6081.4	6370.6	6615.0	6590.6	6663.9	6615.0	6386.9	6093.6	5894.0
7.5°	5617.1	5665.9	5796.3	6289.2	6619.1	6729.1	6867.6	6562.1	6321.7	5792.2	5409.3
10°	5103.8	5197.5	5437.8	6000.0	6407.3	6757.6	6757.6	6513.2	6048.8	5531.5	5063.1
12.5°	4818.7	5006.1	5136.4	5706.7	6236.2	6476.5	6468.4	6338.0	6036.6	5384.9	4855.4
15°	4867.6	4920.5	5197.5	5641.5	5991.8	5979.6	6126.2	6085.5	5873.7	5515.2	4932.8
17.5°	5091.6	5173.1	5413.4	5641.5	5808.5	5759.6	5755.6	5951.1	5963.3	5735.2	5222.0
20°	5458.2	5698.5	5812.6	5881.8	5678.2	5470.4	5446.0	5718.9	5930.7	6016.2	5568.2
22.5°	6044.8	6203.6	6435.8	6081.4	5551.9	5291.2	5242.3	5543.7	5971.4	6350.3	6016.2
25°	6619.1	6741.3	6965.3	6509.1	5694.5	5254.5	5169.0	5429.7	6126.2	6814.6	6558.0
27.5°	7226.0	7331.9	7356.4	6822.8	5771.9	5181.2	5079.4	5429.7	6256.6	7059.0	7205.6
30°	7596.7	7723.0	7747.4	7099.7	5898.1	5242.3	5193.4	5454.1	6346.2	7266.7	7670.0
32.5°	8012.2	8044.7	8024.4	7148.6	6036.6	5421.5	5217.9	5617.1	6448.0	7515.2	8093.6
35°	8509.1	8566.1	8358.4	7372.7	6346.2	5535.6	5462.3	5816.7	6623.2	7629.3	8606.9
37.5°	8887.9	9067.1	8598.7	7458.2	6407.3	5775.9	5788.1	6232.1	6745.4	7767.8	9173.0
40°	9600.7	9299.3	9006.0	7751.5	6639.5	6183.3	6118.1	6659.8	7156.8	7857.4	9543.7
42.5°	9991.8	9832.9	9164.9	7780.0	6997.9	6745.4	6761.7	7144.5	7372.7	8109.9	9645.5
45°	10089.5	9922.5	9380.8	7800.3	7352.3	7409.3	7690.4	7763.7	7690.4	8276.9	9837.0
47.5°	10338.0	9975.5	9356.3	8073.3	7926.6	8146.6	8505.0	8663.9	8122.1	8215.8	9926.6
50°	10289.1	10081.4	9303.4	8187.3	8627.2	9209.7	9450.0	9384.9	8602.8	8089.6	9828.8
52.5°	10085.5	9861.4	9466.3	8496.9	9283.0	9987.7	10321.7	10158.8	9030.5	8374.7	9763.7
55°	10382.8	10211.7	9678.1	8916.4	9775.9	10672.0	10908.3	10786.1	9555.9	8639.4	10134.3
57.5°	10704.6	10667.9	10252.5	9409.3	10358.4	11376.7	11376.7	11226.0	10012.1	9022.3	10684.2
60°	11169.0	11250.4	10676.1	9735.2	10558.0	11336.0	11926.6	11751.4	10472.4	9694.4	11307.5
62.5°	11018.2	11278.9	11221.9	10435.8	10786.1	11535.6	11857.3	11987.7	11042.7	10513.2	12138.4
65°	10533.5	10810.5	11217.8	10896.0	10615.0	11050.8	11213.8	11608.9	11327.8	11283.0	12480.6
67.5°	9955.1	10256.5	10509.1	11205.6	10268.8	10558.0	10415.4	10541.7	11018.2	12126.2	12676.1
70°	8692.4	8981.6	9380.8	10517.2	9352.3	9091.6	9054.9	8993.8	9735.2	11824.8	11788.1
72.5°	7148.6	7283.0	7942.9	8549.8	6920.5	6871.6	6928.7	6859.4	7718.9	10704.6	10097.7
75°	5352.3	5486.7	5861.5	6566.1	4712.8	4431.7	4757.6	5079.4	5894.0	8309.5	7254.5
77.5°	4024.4	4195.5	4431.7	4912.4	3458.2	3018.3	3063.1	3368.6	4260.7	6655.8	4065.1
80°	2611.0	2590.6	3046.8	3380.8	2602.8	2684.3	2570.2	2794.3	3087.6	3560.1	2077.4
82.5°	1507.1	1527.5	1718.9	1938.9	1812.6	2073.3	1494.9	2496.9	2203.6	1450.1	773.9
85°	847.2	883.9	1059.1	1344.2	1136.4	761.7	623.2	1238.3	1384.9	594.7	374.7
87.5°	85.5	73.3	142.6	509.2	309.6	126.3	187.4	297.4	334.0	224.0	110.0
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: P599387
 CATALOG NUMBER: IFLD-M-SA4C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2
2.5°	5959.2	5959.2	5857.4	5686.3	5617.1	5494.9	5327.9	5380.8	5323.8	5116.1	5063.1
5°	5714.8	5519.3	5307.5	5046.8	4896.1	4586.5	4488.8	4313.6	4342.1	4167.0	4175.1
7.5°	5205.7	5050.9	4692.4	4350.3	4052.9	3784.1	3405.3	3262.7	3124.2	3055.0	3136.4
10°	4908.3	4619.1	4130.3	3682.3	3287.1	3046.8	2794.3	2598.8	2419.5	2285.1	2256.6
12.5°	4692.4	4435.8	3845.2	3299.4	2989.8	2794.3	2562.1	2293.3	2118.1	1885.9	1816.7
15°	4627.3	4313.6	3690.4	3148.7	2847.2	2525.4	2260.7	1995.9	1767.8	1523.4	1437.9
17.5°	4851.3	4488.8	3686.3	3026.5	2602.8	2256.6	1890.0	1592.7	1360.5	1136.4	1083.5
20°	5230.1	4676.1	3804.5	2953.1	2370.7	1906.3	1490.8	1193.5	932.8	786.1	749.5
22.5°	5661.9	4993.9	3816.7	2757.6	2138.5	1556.0	1087.6	786.1	639.5	570.3	549.9
25°	6191.4	5503.0	3963.3	2598.8	1865.6	1181.3	773.9	602.8	517.3	476.6	468.4
27.5°	6627.2	5857.4	4122.2	2431.8	1596.7	875.8	606.9	492.9	448.1	407.3	403.3
30°	7079.4	6264.7	4167.0	2329.9	1364.6	721.0	521.4	435.8	387.0	366.6	362.5
32.5°	7474.5	6708.7	4309.5	2162.9	1144.6	635.4	472.5	391.0	358.4	325.9	321.8
35°	7983.6	6965.3	4378.8	2073.3	1063.1	574.3	431.8	358.4	309.6	289.2	281.1
37.5°	8529.5	7213.8	4423.6	2004.1	993.9	537.7	407.3	338.1	293.3	264.8	256.6
40°	9038.6	7564.1	4358.4	1918.5	940.9	492.9	391.0	313.6	272.9	244.4	232.2
42.5°	9429.7	7906.3	4338.1	1837.1	883.9	476.6	370.7	301.4	256.6	224.0	220.0
45°	9649.6	8138.4	4195.5	1771.9	839.1	484.7	362.5	285.1	244.4	215.9	199.6
47.5°	9596.7	8317.7	4232.1	1751.5	778.0	452.1	358.4	272.9	224.0	199.6	187.4
50°	9889.9	8680.2	4171.0	1686.3	733.2	407.3	391.0	272.9	220.0	191.4	179.2
52.5°	9938.8	9010.1	4301.4	1568.2	663.9	374.7	387.0	268.8	211.8	183.3	167.0
55°	10346.2	9393.0	4553.9	1503.0	606.9	325.9	354.4	260.7	191.4	167.0	158.9
57.5°	10900.1	10187.3	4716.9	1441.9	529.5	285.1	297.4	256.6	175.2	154.8	142.6
60°	11433.7	10505.0	4729.1	1332.0	456.2	256.6	232.2	256.6	162.9	138.5	126.3
62.5°	11832.9	10505.0	4647.6	1238.3	399.2	228.1	203.7	244.4	146.6	122.2	114.1
65°	11617.0	10224.0	4435.8	1160.9	362.5	199.6	175.2	187.4	130.3	105.9	97.8
67.5°	11230.1	9348.2	3967.4	1067.2	358.4	175.2	150.7	138.5	114.1	93.7	85.5
70°	10610.9	8166.9	3303.4	961.3	350.3	158.9	134.4	118.1	101.8	81.5	73.3
72.5°	8549.8	6745.4	2712.8	900.2	342.2	138.5	114.1	101.8	85.5	69.2	61.1
75°	5922.6	4309.5	2089.6	769.9	334.0	126.3	105.9	89.6	73.3	57.0	53.0
77.5°	3551.9	2879.8	1348.3	578.4	220.0	101.8	89.6	69.2	61.1	48.9	44.8
80°	1661.9	1360.5	545.8	224.0	105.9	73.3	61.1	53.0	48.9	40.7	36.7
82.5°	651.7	574.3	264.8	130.3	85.5	57.0	48.9	44.8	40.7	32.6	28.5
85°	350.3	309.6	126.3	89.6	61.1	40.7	40.7	36.7	32.6	28.5	24.4
87.5°	77.4	57.0	53.0	53.0	44.8	32.6	32.6	28.5	24.4	20.4	16.3
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: P599387
 CATALOG NUMBER: IFLD-M-SA4C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2
2.5°	5034.6	5095.7	4997.9	5059.0	4973.5	5038.7	5046.8	4985.7	5002.0	5083.5	5120.1
5°	4289.2	4248.4	4158.8	4130.3	4134.4	4081.4	4101.8	4130.3	4175.1	4199.6	4272.9
7.5°	3091.6	3185.3	3181.2	3250.5	3254.6	3246.4	3189.4	3067.2	3107.9	3075.3	3116.1
10°	2211.8	2252.5	2329.9	2374.7	2456.2	2411.4	2281.0	2232.2	2207.7	2203.6	2244.4
12.5°	1767.8	1670.0	1661.9	1678.2	1718.9	1666.0	1600.8	1543.8	1572.3	1629.3	1674.1
15°	1368.6	1287.2	1181.3	1165.0	1173.1	1148.7	1079.4	1006.1	1026.5	1083.5	1116.1
17.5°	1050.9	957.2	883.9	835.0	818.7	733.2	631.4	570.3	554.0	549.9	578.4
20°	708.8	692.5	680.2	619.1	619.1	496.9	411.4	366.6	366.6	374.7	378.8
22.5°	529.5	509.2	513.2	501.0	468.4	370.7	325.9	313.6	313.6	321.8	321.8
25°	460.3	431.8	423.6	419.5	387.0	317.7	285.1	272.9	272.9	281.1	281.1
27.5°	391.0	382.9	370.7	354.4	325.9	272.9	252.5	240.3	244.4	248.5	244.4
30°	358.4	338.1	321.8	321.8	289.2	244.4	228.1	220.0	211.8	220.0	224.0
32.5°	317.7	305.5	297.4	285.1	248.5	215.9	199.6	191.4	187.4	187.4	191.4
35°	272.9	272.9	264.8	248.5	215.9	195.5	175.2	167.0	162.9	167.0	167.0
37.5°	244.4	232.2	236.3	220.0	191.4	171.1	150.7	142.6	142.6	138.5	142.6
40°	228.1	207.7	195.5	187.4	171.1	146.6	130.3	122.2	118.1	118.1	118.1
42.5°	203.7	187.4	162.9	158.9	154.8	126.3	105.9	101.8	97.8	93.7	93.7
45°	191.4	167.0	146.6	126.3	126.3	105.9	89.6	81.5	77.4	73.3	77.4
47.5°	175.2	150.7	126.3	105.9	101.8	85.5	69.2	61.1	57.0	57.0	57.0
50°	167.0	134.4	110.0	89.6	77.4	69.2	53.0	44.8	40.7	40.7	40.7
52.5°	154.8	126.3	97.8	77.4	61.1	53.0	40.7	32.6	28.5	28.5	28.5
55°	138.5	114.1	85.5	65.2	53.0	40.7	28.5	20.4	16.3	16.3	16.3
57.5°	130.3	101.8	73.3	57.0	40.7	28.5	16.3	12.2	12.2	8.1	12.2
60°	118.1	89.6	61.1	44.8	32.6	20.4	12.2	4.1	4.1	4.1	4.1
62.5°	101.8	77.4	53.0	36.7	24.4	12.2	4.1	0.0	0.0	0.0	0.0
65°	85.5	61.1	40.7	28.5	16.3	4.1	0.0	0.0	0.0	0.0	0.0
67.5°	73.3	53.0	32.6	20.4	12.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	65.2	44.8	24.4	16.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	53.0	36.7	20.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	44.8	28.5	12.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	36.7	20.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	28.5	16.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	24.4	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.2	4.1	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: P599387
 CATALOG NUMBER: IFLD-M-SA4C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2	5735.2
2.5°	5173.1	5148.6	5270.8	5470.4	5572.3	5771.9	5820.7	5947.0	5914.4	5959.2
5°	4281.0	4329.9	4509.1	4802.4	4908.3	5197.5	5470.4	5743.3	5918.5	6004.0
7.5°	3177.2	3340.1	3560.1	3828.9	4101.8	4480.6	4945.0	5262.7	5433.8	5617.1
10°	2366.6	2541.7	2794.3	3059.0	3503.0	3926.7	4391.0	4786.1	4932.8	5103.8
12.5°	1861.5	2134.4	2427.7	2712.8	2977.6	3380.8	3955.2	4529.5	4688.4	4818.7
15°	1295.3	1629.3	2048.9	2419.5	2790.2	3140.5	3735.2	4431.7	4647.6	4867.6
17.5°	716.9	981.7	1462.3	1983.7	2529.5	3067.2	3808.5	4611.0	4936.8	5091.6
20°	415.5	521.4	863.5	1482.7	2203.6	2908.3	3845.2	4949.0	5380.8	5458.2
22.5°	342.2	378.8	488.8	928.7	1804.5	2806.5	4032.6	5421.5	5861.5	6044.8
25°	293.3	321.8	378.8	558.0	1364.6	2590.6	4150.7	6012.2	6419.5	6619.1
27.5°	260.7	289.2	334.0	411.4	928.7	2293.3	4346.2	6545.8	6953.1	7226.0
30°	228.1	252.5	297.4	350.3	643.6	1959.3	4513.2	6936.8	7511.1	7596.7
32.5°	203.7	224.0	256.6	301.4	476.6	1486.8	4647.6	7340.1	7824.8	8012.2
35°	175.2	199.6	220.0	256.6	362.5	1120.2	4566.2	7653.7	8285.1	8509.1
37.5°	154.8	171.1	191.4	215.9	305.5	875.8	4399.2	8028.5	8680.2	8887.9
40°	130.3	142.6	167.0	191.4	277.0	676.2	4207.7	8480.6	9234.1	9600.7
42.5°	110.0	122.2	138.5	179.2	228.1	501.0	3820.7	8830.9	9682.2	9991.8
45°	85.5	101.8	126.3	179.2	183.3	370.7	3421.6	9091.6	9934.8	10089.5
47.5°	65.2	81.5	122.2	154.8	146.6	256.6	2949.1	9388.9	10195.4	10338.0
50°	48.9	65.2	138.5	134.4	122.2	195.5	2651.7	9596.7	10211.7	10289.1
52.5°	32.6	48.9	114.1	101.8	101.8	171.1	2570.2	9588.5	10252.5	10085.5
55°	24.4	36.7	65.2	73.3	89.6	150.7	2496.9	9894.0	10264.7	10382.8
57.5°	16.3	28.5	44.8	57.0	77.4	130.3	2346.2	10260.6	10643.5	10704.6
60°	8.1	20.4	32.6	44.8	65.2	114.1	2134.4	10529.5	11103.8	11169.0
62.5°	4.1	12.2	24.4	36.7	53.0	89.6	1914.4	10101.8	10904.2	11018.2
65°	0.0	8.1	16.3	24.4	32.6	65.2	1556.0	9120.1	10114.0	10533.5
67.5°	0.0	0.0	8.1	16.3	20.4	48.9	1173.1	8297.3	9384.9	9955.1
70°	0.0	0.0	4.1	4.1	12.2	36.7	749.5	6871.6	8378.8	8692.4
72.5°	0.0	0.0	0.0	0.0	4.1	24.4	435.8	5103.8	6566.1	7148.6
75°	0.0	0.0	0.0	0.0	0.0	20.4	220.0	3283.1	4570.2	5352.3
77.5°	0.0	0.0	0.0	0.0	0.0	16.3	118.1	2118.1	3368.6	4024.4
80°	0.0	0.0	0.0	0.0	0.0	4.1	69.2	1230.1	2154.8	2611.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	28.5	602.8	1287.2	1507.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	8.1	321.8	643.6	847.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	44.8	85.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)