

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: P599530

Luminaire Tested: **IFLD-M-SA4A-750-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599530
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4A-750-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (64) 5000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

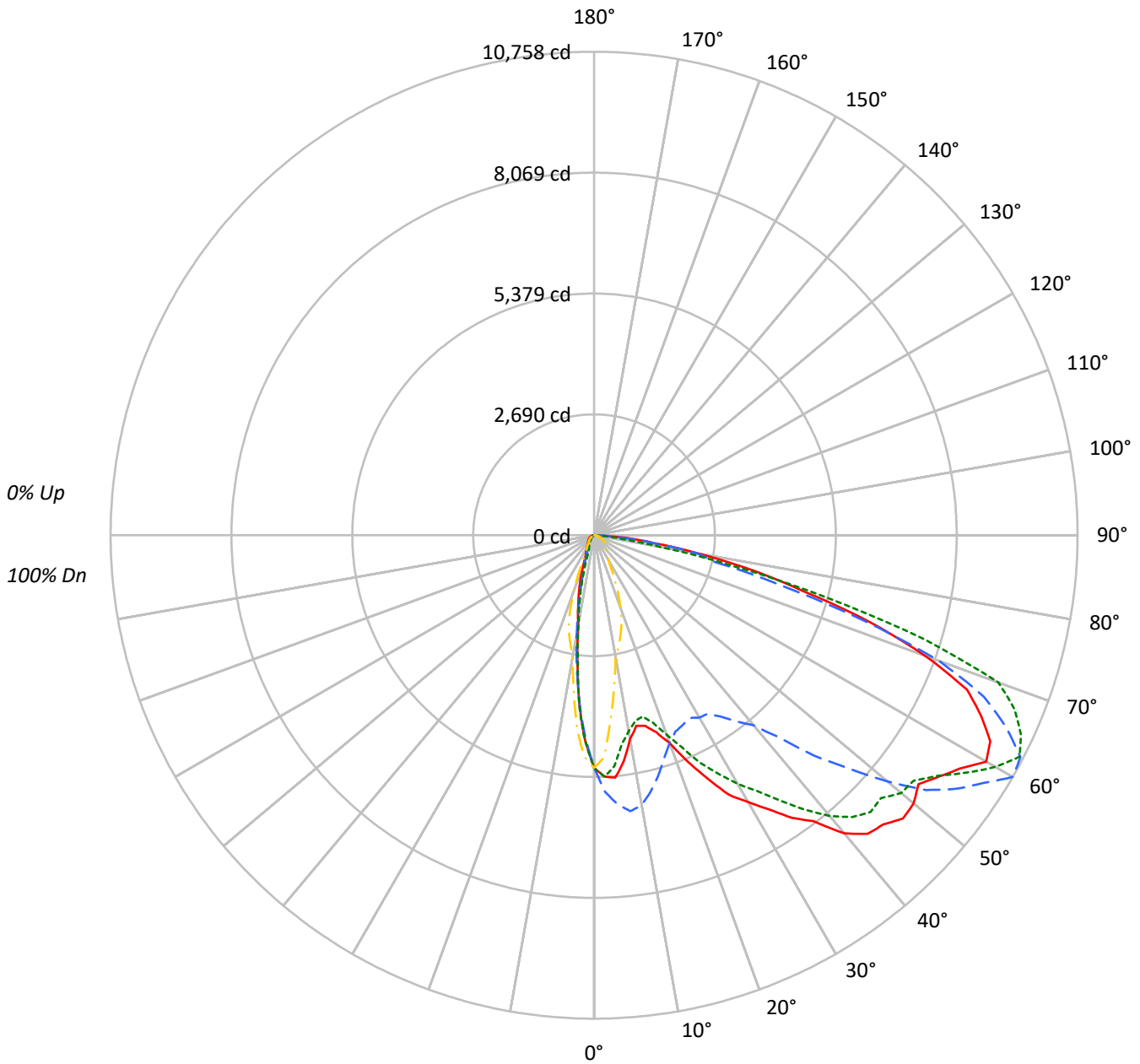
Lumens per Lamp: N/A
 Luminaire Lumens: 13758.5 lumens
 Efficiency: N/A
 Efficacy: 107.0 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 128.6
 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				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	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	79	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61	61	61	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	48	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39	39	39	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	32	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27	27	27	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	23	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20	20	20	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	55683	55683	55683	55683
5°	58516	55697	40691	40929
10°	50317	48390	22247	21725
15°	48926	46511	14453	10891
20°	56395	54038	7743	3872
25°	70908	66326	5018	3011
30°	85167	79367	4064	2466
35°	100855	94626	3331	1979
40°	121681	114557	2942	1496
45°	138535	132495	2740	1006
50°	155412	149383	2708	615
55°	175750	175131	2689	276
60°	216878	222021	2452	80
65°	241992	266883	2246	0
70°	246753	301215	2080	0
75°	200777	222170	1988	0
80°	145985	92918	2052	0
85°	94380	39027	2717	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.0	2.9
10°-20°	770.7	5.6
20°-30°	1066.5	7.8
30°-40°	1507.2	11.0
40°-50°	2052.0	14.9
50°-60°	2717.8	19.8
60°-70°	3155.6	22.9
70°-80°	1787.0	13.0
80°-90°	308.8	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°	2230.1	16.2
0°-40°	3737.3	27.2
0°-60°	8507.1	61.8
0°-90°	13758.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13758.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5173	5173	5173	5173	5173	
5°	5416	5155	3766	3788	5416	486
15°	4390	4174	1297	977	4390	1288
25°	5970	5585	422	254	5970	2785
35°	7675	7201	254	151	7675	4838
45°	9101	8704	180	66	9101	7056
55°	9365	9332	143	15	9365	8485
65°	9501	10478	88	0	9501	9262
75°	4828	5342	48	0	4828	5269
85°	764	316	22	0	764	918
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1
2.5°	5375.2	5489.1	5492.8	5544.2	5595.6	5595.6	5716.9	5687.5	5580.9	5562.6	5485.4
5°	5415.6	5456.0	5485.4	5746.3	5966.7	5944.7	6010.8	5966.7	5761.0	5496.4	5316.4
7.5°	5066.6	5110.7	5228.2	5672.8	5970.4	6069.6	6194.5	5919.0	5702.2	5224.5	4879.2
10°	4603.6	4688.1	4904.9	5411.9	5779.3	6095.3	6095.3	5874.9	5456.0	4989.4	4566.9
12.5°	4346.4	4515.4	4633.0	5147.4	5625.0	5841.8	5834.4	5716.9	5445.0	4857.1	4379.5
15°	4390.5	4438.3	4688.1	5088.6	5404.6	5393.6	5525.8	5489.1	5298.0	4974.7	4449.3
17.5°	4592.6	4666.1	4882.9	5088.6	5239.2	5195.2	5191.5	5367.8	5378.9	5173.1	4710.2
20°	4923.3	5140.0	5242.9	5305.4	5121.7	4934.3	4912.3	5158.4	5349.5	5426.6	5022.5
22.5°	5452.3	5595.6	5805.1	5485.4	5007.8	4772.6	4728.5	5000.4	5386.2	5727.9	5426.6
25°	5970.4	6080.6	6282.7	5871.2	5136.4	4739.6	4662.4	4897.6	5525.8	6146.7	5915.3
27.5°	6517.8	6613.4	6635.4	6154.1	5206.2	4673.4	4581.6	4897.6	5643.4	6367.2	6499.5
30°	6852.2	6966.1	6988.1	6403.9	5320.1	4728.5	4684.5	4919.6	5724.2	6554.6	6918.3
32.5°	7226.9	7256.3	7237.9	6448.0	5445.0	4890.2	4706.5	5066.6	5816.1	6778.7	7300.4
35°	7675.2	7726.6	7539.2	6650.1	5724.2	4993.1	4926.9	5246.6	5974.1	6881.6	7763.3
37.5°	8016.9	8178.5	7756.0	6727.2	5779.3	5209.9	5220.9	5621.3	6084.3	7006.5	8274.0
40°	8659.8	8387.9	8123.4	6991.8	5988.8	5577.3	5518.5	6007.1	6455.4	7087.3	8608.4
42.5°	9012.5	8869.2	8266.7	7017.5	6312.1	6084.3	6099.0	6444.3	6650.1	7315.1	8700.2
45°	9100.7	8950.1	8461.4	7035.9	6631.7	6683.2	6936.7	7002.8	6936.7	7465.7	8872.9
47.5°	9324.8	8997.8	8439.4	7282.0	7149.8	7348.2	7671.5	7814.8	7326.1	7410.6	8953.7
50°	9280.7	9093.4	8391.6	7384.9	7781.7	8307.1	8523.9	8465.1	7759.7	7296.7	8865.6
52.5°	9097.0	8895.0	8538.6	7664.1	8373.2	9008.9	9310.1	9163.2	8145.4	7553.9	8806.8
55°	9365.2	9210.9	8729.6	8042.6	8817.8	9626.1	9839.2	9729.0	8619.4	7792.7	9141.1
57.5°	9655.5	9622.4	9247.7	8487.1	9343.2	10261.7	10261.7	10125.8	9030.9	8138.1	9637.1
60°	10074.3	10147.8	9629.8	8781.1	9523.2	10225.0	10757.7	10599.7	9446.1	8744.3	10199.3
62.5°	9938.4	10173.5	10122.1	9413.0	9729.0	10405.0	10695.3	10812.8	9960.4	9482.8	10948.8
65°	9501.2	9751.0	10118.4	9828.2	9574.7	9967.8	10114.8	10471.1	10217.6	10177.2	11257.4
67.5°	8979.5	9251.3	9479.1	10107.4	9262.4	9523.2	9394.6	9508.5	9938.4	10937.7	11433.8
70°	7840.5	8101.4	8461.4	9486.5	8435.7	8200.6	8167.5	8112.4	8781.1	10665.9	10632.8
72.5°	6448.0	6569.3	7164.5	7711.9	6242.3	6198.2	6249.6	6187.2	6962.4	9655.5	9108.1
75°	4827.7	4949.0	5287.0	5922.6	4250.9	3997.4	4291.3	4581.6	5316.4	7495.1	6543.5
77.5°	3630.0	3784.3	3997.4	4430.9	3119.3	2722.5	2762.9	3038.5	3843.1	6003.5	3666.7
80°	2355.1	2336.7	2748.2	3049.5	2347.7	2421.2	2318.3	2520.4	2785.0	3211.1	1873.8
82.5°	1359.4	1377.8	1550.5	1748.9	1635.0	1870.1	1348.4	2252.2	1987.7	1308.0	698.1
85°	764.2	797.3	955.3	1212.4	1025.1	687.1	562.1	1116.9	1249.2	536.4	338.0
87.5°	77.2	66.1	128.6	459.3	279.2	113.9	169.0	268.2	301.3	202.1	99.2
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°	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1
2.5°	5375.2	5375.2	5283.3	5129.0	5066.6	4956.3	4805.7	4853.5	4802.0	4614.7	4566.9
5°	5154.7	4978.4	4787.3	4552.2	4416.2	4137.0	4048.8	3890.9	3916.6	3758.6	3765.9
7.5°	4695.5	4555.9	4232.5	3923.9	3655.7	3413.2	3071.5	2942.9	2818.0	2755.6	2829.0
10°	4427.3	4166.4	3725.5	3321.4	2965.0	2748.2	2520.4	2344.1	2182.4	2061.2	2035.4
12.5°	4232.5	4001.1	3468.3	2976.0	2696.8	2520.4	2311.0	2068.5	1910.5	1701.1	1638.6
15°	4173.8	3890.9	3328.7	2840.1	2568.2	2277.9	2039.1	1800.3	1594.6	1374.1	1297.0
17.5°	4375.8	4048.8	3325.0	2729.8	2347.7	2035.4	1704.8	1436.6	1227.1	1025.1	977.3
20°	4717.5	4217.8	3431.6	2663.7	2138.3	1719.5	1344.7	1076.5	841.4	709.1	676.0
22.5°	5107.0	4504.4	3442.6	2487.4	1928.9	1403.5	981.0	709.1	576.8	514.4	496.0
25°	5584.6	4963.7	3574.9	2344.1	1682.7	1065.5	698.1	543.8	466.6	429.9	422.5
27.5°	5977.7	5283.3	3718.2	2193.4	1440.2	789.9	547.4	444.6	404.1	367.4	363.7
30°	6385.6	5650.7	3758.6	2101.6	1230.8	650.3	470.3	393.1	349.0	330.7	327.0
32.5°	6741.9	6051.2	3887.2	1950.9	1032.4	573.2	426.2	352.7	323.3	293.9	290.3
35°	7201.2	6282.7	3949.6	1870.1	958.9	518.0	389.5	323.3	279.2	260.9	253.5
37.5°	7693.5	6506.8	3990.1	1807.6	896.5	485.0	367.4	304.9	264.5	238.8	231.5
40°	8152.8	6822.8	3931.3	1730.5	848.7	444.6	352.7	282.9	246.2	220.4	209.4
42.5°	8505.5	7131.4	3912.9	1657.0	797.3	429.9	334.3	271.9	231.5	202.1	198.4
45°	8703.9	7340.8	3784.3	1598.2	756.9	437.2	327.0	257.2	220.4	194.7	180.0
47.5°	8656.1	7502.5	3817.4	1579.9	701.8	407.8	323.3	246.2	202.1	180.0	169.0
50°	8920.7	7829.5	3762.3	1521.1	661.3	367.4	352.7	246.2	198.4	172.7	161.7
52.5°	8964.8	8127.1	3879.8	1414.5	598.9	338.0	349.0	242.5	191.1	165.3	150.6
55°	9332.2	8472.4	4107.6	1355.7	547.4	293.9	319.6	235.1	172.7	150.6	143.3
57.5°	9831.8	9188.9	4254.6	1300.6	477.6	257.2	268.2	231.5	158.0	139.6	128.6
60°	10313.2	9475.5	4265.6	1201.4	411.5	231.5	209.4	231.5	147.0	124.9	113.9
62.5°	10673.2	9475.5	4192.1	1116.9	360.1	205.7	183.7	220.4	132.3	110.2	102.9
65°	10478.5	9222.0	4001.1	1047.1	327.0	180.0	158.0	169.0	117.6	95.5	88.2
67.5°	10129.5	8432.0	3578.6	962.6	323.3	158.0	135.9	124.9	102.9	84.5	77.2
70°	9571.0	7366.5	2979.7	867.1	316.0	143.3	121.2	106.5	91.9	73.5	66.1
72.5°	7711.9	6084.3	2446.9	812.0	308.6	124.9	102.9	91.9	77.2	62.5	55.1
75°	5342.1	3887.2	1884.8	694.4	301.3	113.9	95.5	80.8	66.1	51.4	47.8
77.5°	3203.8	2597.6	1216.1	521.7	198.4	91.9	80.8	62.5	55.1	44.1	40.4
80°	1499.0	1227.1	492.3	202.1	95.5	66.1	55.1	47.8	44.1	36.7	33.1
82.5°	587.9	518.0	238.8	117.6	77.2	51.4	44.1	40.4	36.7	29.4	25.7
85°	316.0	279.2	113.9	80.8	55.1	36.7	36.7	33.1	29.4	25.7	22.0
87.5°	69.8	51.4	47.8	47.8	40.4	29.4	29.4	25.7	22.0	18.4	14.7
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°	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1
2.5°	4541.2	4596.3	4508.1	4563.2	4486.1	4544.8	4552.2	4497.1	4511.8	4585.3	4618.3
5°	3868.8	3832.1	3751.2	3725.5	3729.2	3681.4	3699.8	3725.5	3765.9	3788.0	3854.1
7.5°	2788.6	2873.1	2869.5	2931.9	2935.6	2928.2	2876.8	2766.6	2803.3	2773.9	2810.7
10°	1995.0	2031.8	2101.6	2142.0	2215.5	2175.1	2057.5	2013.4	1991.4	1987.7	2024.4
12.5°	1594.6	1506.4	1499.0	1513.7	1550.5	1502.7	1443.9	1392.5	1418.2	1469.6	1510.0
15°	1234.5	1161.0	1065.5	1050.8	1058.1	1036.1	973.6	907.5	925.9	977.3	1006.7
17.5°	947.9	863.4	797.3	753.2	738.5	661.3	569.5	514.4	499.7	496.0	521.7
20°	639.3	624.6	613.6	558.5	558.5	448.2	371.1	330.7	330.7	338.0	341.7
22.5°	477.6	459.3	462.9	451.9	422.5	334.3	293.9	282.9	282.9	290.3	290.3
25°	415.2	389.5	382.1	378.4	349.0	286.6	257.2	246.2	246.2	253.5	253.5
27.5°	352.7	345.4	334.3	319.6	293.9	246.2	227.8	216.8	220.4	224.1	220.4
30°	323.3	304.9	290.3	290.3	260.9	220.4	205.7	198.4	191.1	198.4	202.1
32.5°	286.6	275.6	268.2	257.2	224.1	194.7	180.0	172.7	169.0	169.0	172.7
35°	246.2	246.2	238.8	224.1	194.7	176.4	158.0	150.6	147.0	150.6	150.6
37.5°	220.4	209.4	213.1	198.4	172.7	154.3	135.9	128.6	128.6	124.9	128.6
40°	205.7	187.4	176.4	169.0	154.3	132.3	117.6	110.2	106.5	106.5	106.5
42.5°	183.7	169.0	147.0	143.3	139.6	113.9	95.5	91.9	88.2	84.5	84.5
45°	172.7	150.6	132.3	113.9	113.9	95.5	80.8	73.5	69.8	66.1	69.8
47.5°	158.0	135.9	113.9	95.5	91.9	77.2	62.5	55.1	51.4	51.4	51.4
50°	150.6	121.2	99.2	80.8	69.8	62.5	47.8	40.4	36.7	36.7	36.7
52.5°	139.6	113.9	88.2	69.8	55.1	47.8	36.7	29.4	25.7	25.7	25.7
55°	124.9	102.9	77.2	58.8	47.8	36.7	25.7	18.4	14.7	14.7	14.7
57.5°	117.6	91.9	66.1	51.4	36.7	25.7	14.7	11.0	11.0	7.3	11.0
60°	106.5	80.8	55.1	40.4	29.4	18.4	11.0	3.7	3.7	3.7	3.7
62.5°	91.9	69.8	47.8	33.1	22.0	11.0	3.7	0.0	0.0	0.0	0.0
65°	77.2	55.1	36.7	25.7	14.7	3.7	0.0	0.0	0.0	0.0	0.0
67.5°	66.1	47.8	29.4	18.4	11.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	58.8	40.4	22.0	14.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	47.8	33.1	18.4	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	40.4	25.7	11.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	33.1	18.4	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	25.7	14.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	22.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.0	3.7	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: P599530
 CATALOG NUMBER: IFLD-M-SA4A-750-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1	5173.1
2.5°	4666.1	4644.0	4754.3	4934.3	5026.1	5206.2	5250.3	5364.2	5334.8	5375.2
5°	3861.5	3905.6	4067.2	4331.7	4427.3	4688.1	4934.3	5180.5	5338.4	5415.6
7.5°	2865.8	3012.7	3211.1	3453.6	3699.8	4041.5	4460.3	4746.9	4901.2	5066.6
10°	2134.6	2292.6	2520.4	2759.2	3159.7	3541.8	3960.7	4317.0	4449.3	4603.6
12.5°	1679.1	1925.2	2189.8	2446.9	2685.8	3049.5	3567.5	4085.6	4228.9	4346.4
15°	1168.4	1469.6	1848.1	2182.4	2516.7	2832.7	3369.1	3997.4	4192.1	4390.5
17.5°	646.6	885.5	1319.0	1789.3	2281.6	2766.6	3435.3	4159.1	4453.0	4592.6
20°	374.8	470.3	778.9	1337.4	1987.7	2623.3	3468.3	4464.0	4853.5	4923.3
22.5°	308.6	341.7	440.9	837.7	1627.6	2531.4	3637.3	4890.2	5287.0	5452.3
25°	264.5	290.3	341.7	503.3	1230.8	2336.7	3743.9	5422.9	5790.4	5970.4
27.5°	235.1	260.9	301.3	371.1	837.7	2068.5	3920.2	5904.3	6271.7	6517.8
30°	205.7	227.8	268.2	316.0	580.5	1767.2	4070.9	6257.0	6775.0	6852.2
32.5°	183.7	202.1	231.5	271.9	429.9	1341.0	4192.1	6620.7	7057.9	7226.9
35°	158.0	180.0	198.4	231.5	327.0	1010.4	4118.6	6903.6	7473.1	7675.2
37.5°	139.6	154.3	172.7	194.7	275.6	789.9	3968.0	7241.6	7829.5	8016.9
40°	117.6	128.6	150.6	172.7	249.8	609.9	3795.3	7649.4	8329.1	8659.8
42.5°	99.2	110.2	124.9	161.7	205.7	451.9	3446.3	7965.4	8733.3	9012.5
45°	77.2	91.9	113.9	161.7	165.3	334.3	3086.2	8200.6	8961.1	9100.7
47.5°	58.8	73.5	110.2	139.6	132.3	231.5	2660.0	8468.8	9196.2	9324.8
50°	44.1	58.8	124.9	121.2	110.2	176.4	2391.8	8656.1	9210.9	9280.7
52.5°	29.4	44.1	102.9	91.9	91.9	154.3	2318.3	8648.8	9247.7	9097.0
55°	22.0	33.1	58.8	66.1	80.8	135.9	2252.2	8924.4	9258.7	9365.2
57.5°	14.7	25.7	40.4	51.4	69.8	117.6	2116.3	9255.0	9600.4	9655.5
60°	7.3	18.4	29.4	40.4	58.8	102.9	1925.2	9497.5	10015.6	10074.3
62.5°	3.7	11.0	22.0	33.1	47.8	80.8	1726.8	9111.7	9835.5	9938.4
65°	0.0	7.3	14.7	22.0	29.4	58.8	1403.5	8226.3	9122.8	9501.2
67.5°	0.0	0.0	7.3	14.7	18.4	44.1	1058.1	7484.1	8465.1	8979.5
70°	0.0	0.0	3.7	3.7	11.0	33.1	676.0	6198.2	7557.6	7840.5
72.5°	0.0	0.0	0.0	0.0	3.7	22.0	393.1	4603.6	5922.6	6448.0
75°	0.0	0.0	0.0	0.0	0.0	18.4	198.4	2961.3	4122.3	4827.7
77.5°	0.0	0.0	0.0	0.0	0.0	14.7	106.5	1910.5	3038.5	3630.0
80°	0.0	0.0	0.0	0.0	0.0	3.7	62.5	1109.6	1943.6	2355.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	25.7	543.8	1161.0	1359.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	7.3	290.3	580.5	764.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	40.4	77.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)