

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: P599417

Luminaire Tested: **IFLD-M-SA4D-727-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: P599417
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4D-727-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (64) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

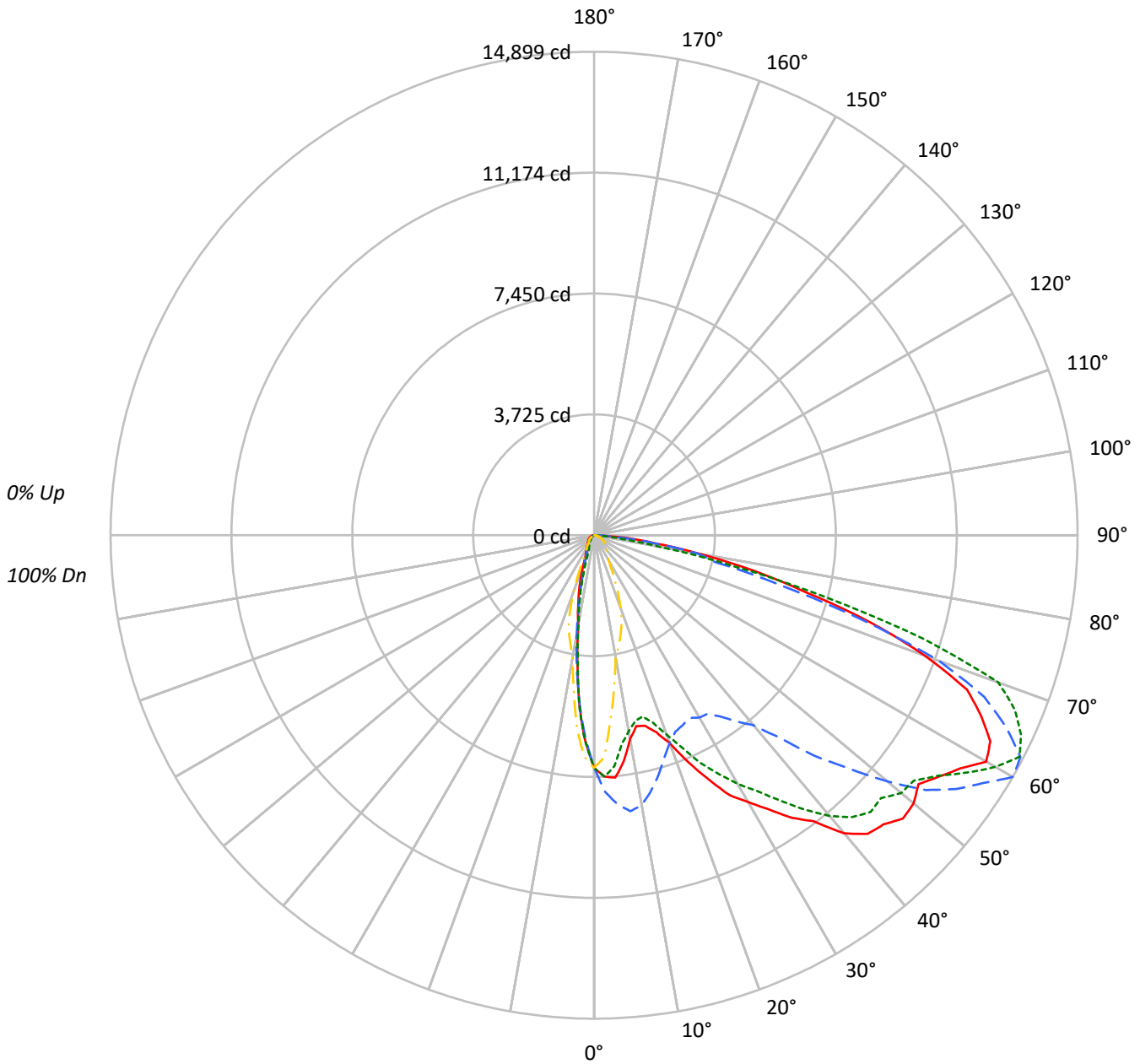
Lumens per Lamp: N/A
 Luminaire Lumens: 19055.4 lumens
 Efficiency: N/A
 Efficacy: 76.3 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 249.7
 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
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79				79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61				61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48				48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39				39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32				32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27				27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23				23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20				20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18				18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16				16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	77120	77120	77120	77120
5°	81043	77139	56357	56686
10°	69689	67019	30813	30089
15°	67762	64417	20017	15084
20°	78106	74842	10725	5362
25°	98207	91861	6950	4170
30°	117955	109922	5629	3416
35°	139682	131056	4614	2741
40°	168527	158660	4075	2074
45°	191869	183504	3795	1394
50°	215244	206893	3749	852
55°	243412	242553	3725	383
60°	300374	307495	3395	110
65°	335154	369630	3110	0
70°	341750	417178	2883	0
75°	278078	307706	2753	0
80°	202189	128691	2839	0
85°	130715	54045	3767	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.3	2.9
10°-20°	1067.3	5.6
20°-30°	1477.0	7.8
30°-40°	2087.4	11.0
40°-50°	2842.1	14.9
50°-60°	3764.1	19.8
60°-70°	4370.4	22.9
70°-80°	2475.0	13.0
80°-90°	427.6	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°	3088.7	16.2
0°-40°	5176.1	27.2
0°-60°	11782.3	61.8
0°-90°	19055.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19055.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7165	7165	7165	7165	7165	
5°	7500	7139	5216	5246	7500	674
15°	6081	5781	1796	1354	6081	1784
25°	8269	7735	585	351	8269	3857
35°	10630	9974	351	209	10630	6701
45°	12604	12055	249	92	12604	9772
55°	12971	12925	198	20	12971	11752
65°	13159	14513	122	0	13159	12828
75°	6686	7399	66	0	6686	7297
85°	1058	438	30	0	1058	1272
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°	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7
2.5°	7444.6	7602.3	7607.4	7678.6	7749.9	7749.9	7917.8	7877.1	7729.5	7704.1	7597.2
5°	7500.5	7556.5	7597.2	7958.5	8263.8	8233.3	8324.9	8263.8	7978.9	7612.5	7363.1
7.5°	7017.1	7078.2	7241.0	7856.7	8268.9	8406.3	8579.3	8197.7	7897.4	7235.9	6757.6
10°	6376.0	6493.0	6793.2	7495.4	8004.3	8441.9	8441.9	8136.6	7556.5	6910.3	6325.1
12.5°	6019.8	6253.8	6416.7	7129.1	7790.6	8090.8	8080.6	7917.8	7541.2	6727.1	6065.6
15°	6080.8	6147.0	6493.0	7047.6	7485.3	7470.0	7653.2	7602.3	7337.7	6889.9	6162.2
17.5°	6360.7	6462.5	6762.7	7047.6	7256.3	7195.2	7190.1	7434.4	7449.6	7164.7	6523.5
20°	6818.7	7118.9	7261.4	7347.9	7093.4	6833.9	6803.4	7144.3	7408.9	7515.8	6956.1
22.5°	7551.4	7749.9	8039.9	7597.2	6935.7	6610.0	6549.0	6925.5	7459.8	7933.1	7515.8
25°	8268.9	8421.6	8701.4	8131.5	7113.8	6564.2	6457.4	6783.0	7653.2	8513.2	8192.6
27.5°	9027.1	9159.4	9189.9	8523.3	7210.5	6472.6	6345.4	6783.0	7816.0	8818.5	9001.7
30°	9490.2	9647.9	9678.4	8869.3	7368.2	6549.0	6487.9	6813.6	7928.0	9078.0	9581.7
32.5°	10009.2	10049.9	10024.5	8930.4	7541.2	6772.9	6518.4	7017.1	8055.2	9388.4	10111.0
35°	10630.0	10701.2	10441.7	9210.3	7928.0	6915.3	6823.8	7266.5	8274.0	9530.9	10752.1
37.5°	11103.2	11327.1	10741.9	9317.1	8004.3	7215.6	7230.8	7785.5	8426.6	9703.9	11459.4
40°	11993.7	11617.2	11250.8	9683.5	8294.3	7724.4	7643.0	8319.8	8940.6	9815.8	11922.5
42.5°	12482.2	12283.8	11449.2	9719.1	8742.1	8426.6	8447.0	8925.3	9210.3	10131.3	12049.7
45°	12604.3	12395.7	11718.9	9744.6	9184.8	9256.1	9607.2	9698.8	9607.2	10339.9	12288.9
47.5°	12914.7	12461.9	11688.4	10085.5	9902.3	10177.1	10624.9	10823.4	10146.6	10263.6	12400.8
50°	12853.7	12594.2	11622.3	10228.0	10777.6	11505.2	11805.4	11724.0	10747.0	10105.9	12278.7
52.5°	12599.3	12319.4	11825.8	10614.7	11596.8	12477.1	12894.4	12690.9	11281.3	10462.1	12197.3
55°	12970.7	12757.0	12090.4	11138.8	12212.5	13332.0	13627.1	13474.5	11937.7	10792.8	12660.3
57.5°	13372.7	13326.9	12807.9	11754.6	12940.2	14212.3	14212.3	14024.1	12507.7	11271.1	13347.3
60°	13952.8	14054.6	13337.1	12161.6	13189.5	14161.4	14899.3	14680.5	13082.7	12110.8	14125.8
62.5°	13764.5	14090.2	14019.0	13036.9	13474.5	14410.8	14812.8	14975.6	13795.1	13133.6	15163.9
65°	13159.0	13505.0	14013.9	13611.9	13260.8	13805.2	14008.8	14502.4	14151.3	14095.3	15591.3
67.5°	12436.4	12813.0	13128.5	13998.6	12828.2	13189.5	13011.4	13169.2	13764.5	15148.6	15835.6
70°	10859.0	11220.3	11718.9	13138.6	11683.3	11357.7	11311.9	11235.5	12161.6	14772.1	14726.3
72.5°	8930.4	9098.3	9922.7	10680.9	8645.5	8584.4	8655.6	8569.1	9642.8	13372.7	12614.5
75°	6686.4	6854.3	7322.4	8202.7	5887.5	5536.3	5943.4	6345.4	7363.1	10380.6	9062.7
77.5°	5027.5	5241.2	5536.3	6136.8	4320.2	3770.6	3826.6	4208.2	5322.6	8314.7	5078.4
80°	3261.8	3236.3	3806.2	4223.5	3251.6	3353.4	3210.9	3490.7	3857.1	4447.4	2595.2
82.5°	1882.8	1908.2	2147.4	2422.2	2264.4	2590.1	1867.5	3119.3	2752.9	1811.5	966.8
85°	1058.4	1104.2	1323.0	1679.2	1419.7	951.6	778.5	1546.9	1730.1	742.9	468.1
87.5°	106.9	91.6	178.1	636.1	386.7	157.7	234.1	371.5	417.3	279.9	137.4
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°	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7
2.5°	7444.6	7444.6	7317.3	7103.6	7017.1	6864.5	6655.8	6722.0	6650.7	6391.2	6325.1
5°	7139.2	6895.0	6630.4	6304.7	6116.4	5729.7	5607.6	5388.8	5424.4	5205.6	5215.8
7.5°	6503.2	6309.8	5862.0	5434.6	5063.1	4727.3	4254.0	4075.9	3902.9	3816.4	3918.2
10°	6131.7	5770.4	5159.8	4600.1	4106.5	3806.2	3490.7	3246.5	3022.6	2854.7	2819.1
12.5°	5862.0	5541.4	4803.6	4121.7	3735.0	3490.7	3200.7	2864.9	2646.0	2356.0	2269.5
15°	5780.6	5388.8	4610.2	3933.5	3556.9	3154.9	2824.1	2493.4	2208.4	1903.1	1796.3
17.5°	6060.5	5607.6	4605.1	3780.8	3251.6	2819.1	2361.1	1989.6	1699.6	1419.7	1353.6
20°	6533.7	5841.7	4752.7	3689.2	2961.5	2381.4	1862.4	1490.9	1165.3	982.1	936.3
22.5°	7073.1	6238.6	4768.0	3445.0	2671.5	1943.8	1358.6	982.1	798.9	712.4	687.0
25°	7734.6	6874.6	4951.2	3246.5	2330.6	1475.7	966.8	753.1	646.2	595.4	585.2
27.5°	8279.1	7317.3	5149.6	3037.9	1994.7	1094.0	758.2	615.7	559.7	508.9	503.8
30°	8843.9	7826.2	5205.6	2910.7	1704.7	900.7	651.3	544.5	483.4	458.0	452.9
32.5°	9337.5	8380.8	5383.7	2702.0	1429.9	793.8	590.3	488.5	447.8	407.1	402.0
35°	9973.6	8701.4	5470.2	2590.1	1328.1	717.5	539.4	447.8	386.7	361.3	351.1
37.5°	10655.4	9011.8	5526.2	2503.6	1241.6	671.7	508.9	422.3	366.4	330.8	320.6
40°	11291.5	9449.4	5444.8	2396.7	1175.5	615.7	488.5	391.8	340.9	305.3	290.0
42.5°	11780.0	9876.9	5419.3	2294.9	1104.2	595.4	463.1	376.6	320.6	279.9	274.8
45°	12054.8	10166.9	5241.2	2213.5	1048.2	605.5	452.9	356.2	305.3	269.7	249.3
47.5°	11988.6	10390.8	5287.0	2188.1	971.9	564.8	447.8	340.9	279.9	249.3	234.1
50°	12355.0	10843.7	5210.7	2106.7	915.9	508.9	488.5	340.9	274.8	239.2	223.9
52.5°	12416.1	11255.9	5373.5	1959.1	829.4	468.1	483.4	335.8	264.6	229.0	208.6
55°	12924.9	11734.2	5689.0	1877.7	758.2	407.1	442.7	325.7	239.2	208.6	198.5
57.5°	13617.0	12726.5	5892.5	1801.3	661.5	356.2	371.5	320.6	218.8	193.4	178.1
60°	14283.6	13123.4	5907.8	1664.0	569.9	320.6	290.0	320.6	203.5	173.0	157.7
62.5°	14782.2	13123.4	5806.0	1546.9	498.7	285.0	254.4	305.3	183.2	152.7	142.5
65°	14512.6	12772.3	5541.4	1450.2	452.9	249.3	218.8	234.1	162.8	132.3	122.1
67.5°	14029.1	11678.2	4956.3	1333.2	447.8	218.8	188.3	173.0	142.5	117.0	106.9
70°	13255.7	10202.6	4126.8	1200.9	437.6	198.5	167.9	147.6	127.2	101.8	91.6
72.5°	10680.9	8426.6	3389.0	1124.6	427.4	173.0	142.5	127.2	106.9	86.5	76.3
75°	7398.8	5383.7	2610.4	961.7	417.3	157.7	132.3	111.9	91.6	71.2	66.2
77.5°	4437.2	3597.6	1684.3	722.6	274.8	127.2	111.9	86.5	76.3	61.1	56.0
80°	2076.1	1699.6	681.9	279.9	132.3	91.6	76.3	66.2	61.1	50.9	45.8
82.5°	814.2	717.5	330.8	162.8	106.9	71.2	61.1	56.0	50.9	40.7	35.6
85°	437.6	386.7	157.7	111.9	76.3	50.9	50.9	45.8	40.7	35.6	30.5
87.5°	96.7	71.2	66.2	66.2	56.0	40.7	40.7	35.6	30.5	25.4	20.4
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°	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7
2.5°	6289.5	6365.8	6243.7	6320.0	6213.1	6294.5	6304.7	6228.4	6248.7	6350.5	6396.3
5°	5358.2	5307.4	5195.4	5159.8	5164.9	5098.7	5124.2	5159.8	5215.8	5246.3	5337.9
7.5°	3862.2	3979.2	3974.2	4060.7	4065.8	4055.6	3984.3	3831.7	3882.6	3841.9	3892.7
10°	2763.1	2814.0	2910.7	2966.6	3068.4	3012.4	2849.6	2788.5	2758.0	2752.9	2803.8
12.5°	2208.4	2086.3	2076.1	2096.5	2147.4	2081.2	1999.8	1928.6	1964.2	2035.4	2091.4
15°	1709.8	1608.0	1475.7	1455.3	1465.5	1435.0	1348.5	1256.9	1282.3	1353.6	1394.3
17.5°	1312.8	1195.8	1104.2	1043.2	1022.8	915.9	788.7	712.4	692.0	687.0	722.6
20°	885.4	865.1	849.8	773.5	773.5	620.8	513.9	458.0	458.0	468.1	473.2
22.5°	661.5	636.1	641.2	625.9	585.2	463.1	407.1	391.8	391.8	402.0	402.0
25°	575.0	539.4	529.2	524.1	483.4	396.9	356.2	340.9	340.9	351.1	351.1
27.5°	488.5	478.3	463.1	442.7	407.1	340.9	315.5	300.2	305.3	310.4	305.3
30°	447.8	422.3	402.0	402.0	361.3	305.3	285.0	274.8	264.6	274.8	279.9
32.5°	396.9	381.6	371.5	356.2	310.4	269.7	249.3	239.2	234.1	234.1	239.2
35°	340.9	340.9	330.8	310.4	269.7	244.3	218.8	208.6	203.5	208.6	208.6
37.5°	305.3	290.0	295.1	274.8	239.2	213.7	188.3	178.1	178.1	173.0	178.1
40°	285.0	259.5	244.3	234.1	213.7	183.2	162.8	152.7	147.6	147.6	147.6
42.5°	254.4	234.1	203.5	198.5	193.4	157.7	132.3	127.2	122.1	117.0	117.0
45°	239.2	208.6	183.2	157.7	157.7	132.3	111.9	101.8	96.7	91.6	96.7
47.5°	218.8	188.3	157.7	132.3	127.2	106.9	86.5	76.3	71.2	71.2	71.2
50°	208.6	167.9	137.4	111.9	96.7	86.5	66.2	56.0	50.9	50.9	50.9
52.5°	193.4	157.7	122.1	96.7	76.3	66.2	50.9	40.7	35.6	35.6	35.6
55°	173.0	142.5	106.9	81.4	66.2	50.9	35.6	25.4	20.4	20.4	20.4
57.5°	162.8	127.2	91.6	71.2	50.9	35.6	20.4	15.3	15.3	10.2	15.3
60°	147.6	111.9	76.3	56.0	40.7	25.4	15.3	5.1	5.1	5.1	5.1
62.5°	127.2	96.7	66.2	45.8	30.5	15.3	5.1	0.0	0.0	0.0	0.0
65°	106.9	76.3	50.9	35.6	20.4	5.1	0.0	0.0	0.0	0.0	0.0
67.5°	91.6	66.2	40.7	25.4	15.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	81.4	56.0	30.5	20.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	66.2	45.8	25.4	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	56.0	35.6	15.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	45.8	25.4	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	35.6	20.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	30.5	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.3	5.1	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: P599417
 CATALOG NUMBER: IFLD-M-SA4D-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7	7164.7
2.5°	6462.5	6431.9	6584.6	6833.9	6961.1	7210.5	7271.5	7429.3	7388.6	7444.6
5°	5348.1	5409.1	5633.0	5999.4	6131.7	6493.0	6833.9	7174.9	7393.7	7500.5
7.5°	3969.1	4172.6	4447.4	4783.2	5124.2	5597.4	6177.5	6574.4	6788.1	7017.1
10°	2956.4	3175.3	3490.7	3821.5	4376.2	4905.4	5485.5	5979.1	6162.2	6376.0
12.5°	2325.5	2666.4	3032.8	3389.0	3719.7	4223.5	4941.0	5658.5	5856.9	6019.8
15°	1618.2	2035.4	2559.5	3022.6	3485.7	3923.3	4666.2	5536.3	5806.0	6080.8
17.5°	895.6	1226.3	1826.8	2478.1	3160.0	3831.7	4757.8	5760.2	6167.3	6360.7
20°	519.0	651.3	1078.8	1852.2	2752.9	3633.2	4803.6	6182.6	6722.0	6818.7
22.5°	427.4	473.2	610.6	1160.2	2254.2	3506.0	5037.7	6772.9	7322.4	7551.4
25°	366.4	402.0	473.2	697.1	1704.7	3236.3	5185.2	7510.7	8019.6	8268.9
27.5°	325.7	361.3	417.3	513.9	1160.2	2864.9	5429.5	8177.3	8686.2	9027.1
30°	285.0	315.5	371.5	437.6	804.0	2447.6	5638.1	8665.8	9383.3	9490.2
32.5°	254.4	279.9	320.6	376.6	595.4	1857.3	5806.0	9169.6	9775.1	10009.2
35°	218.8	249.3	274.8	320.6	452.9	1399.4	5704.3	9561.4	10350.1	10630.0
37.5°	193.4	213.7	239.2	269.7	381.6	1094.0	5495.6	10029.5	10843.7	11103.2
40°	162.8	178.1	208.6	239.2	346.0	844.7	5256.5	10594.4	11535.8	11993.7
42.5°	137.4	152.7	173.0	223.9	285.0	625.9	4773.1	11032.0	12095.5	12482.2
45°	106.9	127.2	157.7	223.9	229.0	463.1	4274.4	11357.7	12411.0	12604.3
47.5°	81.4	101.8	152.7	193.4	183.2	320.6	3684.1	11729.1	12736.6	12914.7
50°	61.1	81.4	173.0	167.9	152.7	244.3	3312.6	11988.6	12757.0	12853.7
52.5°	40.7	61.1	142.5	127.2	127.2	213.7	3210.9	11978.5	12807.9	12599.3
55°	30.5	45.8	81.4	91.6	111.9	188.3	3119.3	12360.1	12823.2	12970.7
57.5°	20.4	35.6	56.0	71.2	96.7	162.8	2931.0	12818.1	13296.4	13372.7
60°	10.2	25.4	40.7	56.0	81.4	142.5	2666.4	13153.9	13871.4	13952.8
62.5°	5.1	15.3	30.5	45.8	66.2	111.9	2391.6	12619.6	13622.1	13764.5
65°	0.0	10.2	20.4	30.5	40.7	81.4	1943.8	11393.3	12634.9	13159.0
67.5°	0.0	0.0	10.2	20.4	25.4	61.1	1465.5	10365.4	11724.0	12436.4
70°	0.0	0.0	5.1	5.1	15.3	45.8	936.3	8584.4	10467.2	10859.0
72.5°	0.0	0.0	0.0	0.0	5.1	30.5	544.5	6376.0	8202.7	8930.4
75°	0.0	0.0	0.0	0.0	0.0	25.4	274.8	4101.4	5709.4	6686.4
77.5°	0.0	0.0	0.0	0.0	0.0	20.4	147.6	2646.0	4208.2	5027.5
80°	0.0	0.0	0.0	0.0	0.0	5.1	86.5	1536.7	2691.8	3261.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	35.6	753.1	1608.0	1882.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	10.2	402.0	804.0	1058.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	56.0	106.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)