

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: P599416

Luminaire Tested: **IFLD-M-SA4C-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: P599416
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4C-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

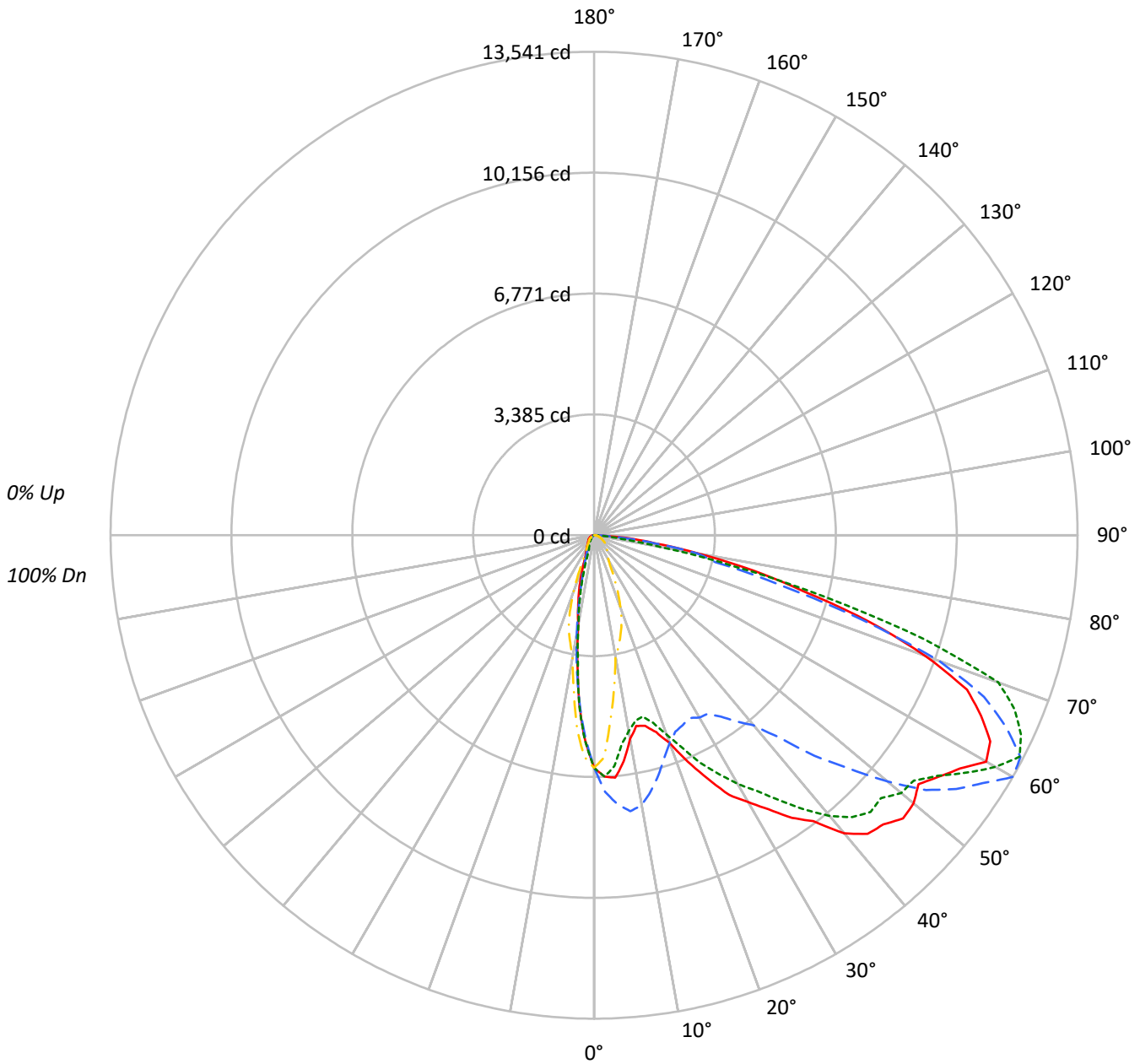
Lumens per Lamp: N/A
 Luminaire Lumens: 17318.0 lumens
 Efficiency: N/A
 Efficacy: 79.4 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

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

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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	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°	70089	70089	70089	70089
5°	73655	70106	51218	51518
10°	63335	60909	28003	27346
15°	61584	58544	18192	13708
20°	70985	68018	9747	4874
25°	89253	83486	6316	3790
30°	107200	99900	5116	3104
35°	126946	119106	4193	2491
40°	153162	144194	3704	1884
45°	174376	166773	3449	1267
50°	195620	188031	3408	774
55°	221219	220438	3385	347
60°	272988	279459	3087	99
65°	304599	335929	2827	0
70°	310590	379141	2618	0
75°	252721	279650	2499	0
80°	183754	116957	2579	0
85°	118797	49117	3421	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.7	2.9
10°-20°	970.0	5.6
20°-30°	1342.4	7.8
30°-40°	1897.1	11.0
40°-50°	2582.9	14.9
50°-60°	3420.9	19.8
60°-70°	3972.0	22.9
70°-80°	2249.3	13.0
80°-90°	388.7	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°	2807.1	16.2
0°-40°	4704.2	27.2
0°-60°	10708.1	61.8
0°-90°	17318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17318.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6512	6512	6512	6512	6512	
5°	6817	6488	4740	4768	6817	612
15°	5526	5254	1632	1230	5526	1621
25°	7515	7029	532	319	7515	3505
35°	9661	9064	319	190	9661	6090
45°	11455	10956	227	83	11455	8881
55°	11788	11746	180	18	11788	10680
65°	11959	13189	111	0	11959	11658
75°	6077	6724	60	0	6077	6632
85°	962	398	28	0	962	1156
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°	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5
2.5°	6765.8	6909.2	6913.8	6978.5	7043.3	7043.3	7195.9	7158.9	7024.8	7001.7	6904.6
5°	6816.7	6867.6	6904.6	7232.9	7510.4	7482.6	7565.9	7510.4	7251.4	6918.4	6691.8
7.5°	6377.3	6432.8	6580.8	7140.4	7515.0	7639.9	7797.1	7450.3	7177.4	6576.2	6141.5
10°	5794.6	5901.0	6173.9	6812.1	7274.5	7672.2	7672.2	7394.8	6867.6	6280.2	5748.4
12.5°	5470.9	5683.7	5831.6	6479.1	7080.3	7353.1	7343.9	7195.9	6853.7	6113.7	5512.5
15°	5526.4	5586.5	5901.0	6405.1	6802.8	6788.9	6955.4	6909.2	6668.7	6261.7	5600.4
17.5°	5780.8	5873.3	6146.1	6405.1	6594.7	6539.2	6534.6	6756.6	6770.4	6511.5	5928.8
20°	6197.0	6469.8	6599.3	6677.9	6446.7	6210.9	6183.1	6493.0	6733.4	6830.6	6321.8
22.5°	6862.9	7043.3	7306.9	6904.6	6303.4	6007.4	5951.9	6294.1	6779.7	7209.8	6830.6
25°	7515.0	7653.7	7908.1	7390.1	6465.2	5965.8	5868.6	6164.6	6955.4	7737.0	7445.6
27.5°	8204.1	8324.3	8352.1	7746.2	6553.1	5882.5	5766.9	6164.6	7103.4	8014.5	8180.9
30°	8624.9	8768.3	8796.0	8060.7	6696.4	5951.9	5896.4	6192.4	7205.2	8250.3	8708.2
32.5°	9096.6	9133.6	9110.5	8116.2	6853.7	6155.4	5924.1	6377.3	7320.8	8532.4	9189.1
35°	9660.8	9725.6	9489.7	8370.6	7205.2	6284.9	6201.6	6604.0	7519.6	8661.9	9771.8
37.5°	10090.9	10294.4	9762.6	8467.7	7274.5	6557.7	6571.6	7075.7	7658.4	8819.1	10414.6
40°	10900.2	10558.0	10225.0	8800.6	7538.1	7020.2	6946.2	7561.2	8125.4	8920.9	10835.5
42.5°	11344.2	11163.8	10405.4	8833.0	7945.1	7658.4	7676.9	8111.6	8370.6	9207.6	10951.1
45°	11455.2	11265.6	10650.5	8856.1	8347.4	8412.2	8731.3	8814.5	8731.3	9397.2	11168.4
47.5°	11737.3	11325.7	10622.7	9166.0	8999.5	9249.2	9656.2	9836.6	9221.5	9327.8	11270.2
50°	11681.8	11445.9	10562.6	9295.5	9794.9	10456.3	10729.1	10655.1	9767.2	9184.5	11159.2
52.5°	11450.5	11196.2	10747.6	9646.9	10539.5	11339.6	11718.8	11533.8	10252.8	9508.2	11085.2
55°	11788.1	11593.9	10988.1	10123.3	11099.1	12116.5	12384.7	12246.0	10849.3	9808.8	11506.0
57.5°	12153.5	12111.9	11640.2	10682.9	11760.4	12916.6	12916.6	12745.4	11367.3	10243.5	12130.4
60°	12680.7	12773.2	12121.1	11052.8	11987.0	12870.3	13540.9	13342.0	11889.9	11006.6	12837.9
62.5°	12509.6	12805.6	12740.8	11848.3	12246.0	13096.9	13462.3	13610.2	12537.3	11936.1	13781.4
65°	11959.3	12273.7	12736.2	12370.8	12051.7	12546.6	12731.6	13180.2	12861.1	12810.2	14169.8
67.5°	11302.6	11644.8	11931.5	12722.3	11658.7	11987.0	11825.1	11968.5	12509.6	13767.5	14391.8
70°	9868.9	10197.3	10650.5	11940.8	10618.1	10322.1	10280.5	10211.2	11052.8	13425.3	13383.6
72.5°	8116.2	8268.8	9018.0	9707.1	7857.2	7801.7	7866.5	7787.9	8763.6	12153.5	11464.4
75°	6076.7	6229.4	6654.8	7454.9	5350.7	5031.6	5401.6	5766.9	6691.8	9434.2	8236.4
77.5°	4569.1	4763.4	5031.6	5577.3	3926.3	3426.8	3477.7	3824.6	4837.3	7556.6	4615.4
80°	2964.4	2941.3	3459.2	3838.4	2955.1	3047.6	2918.1	3172.5	3505.5	4041.9	2358.6
82.5°	1711.1	1734.2	1951.6	2201.3	2058.0	2353.9	1697.2	2834.9	2501.9	1646.4	878.7
85°	961.9	1003.5	1202.4	1526.1	1290.3	864.8	707.6	1405.9	1572.4	675.2	425.5
87.5°	97.1	83.2	161.9	578.1	351.5	143.4	212.7	337.6	379.2	254.4	124.9
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°	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5
2.5°	6765.8	6765.8	6650.2	6456.0	6377.3	6238.6	6049.0	6109.1	6044.4	5808.5	5748.4
5°	6488.3	6266.4	6025.9	5729.9	5558.8	5207.3	5096.3	4897.5	4929.8	4731.0	4740.2
7.5°	5910.3	5734.5	5327.6	4939.1	4601.5	4296.3	3866.2	3704.3	3547.1	3468.5	3561.0
10°	5572.7	5244.3	4689.4	4180.7	3732.1	3459.2	3172.5	2950.5	2747.0	2594.4	2562.0
12.5°	5327.6	5036.2	4365.6	3745.9	3394.5	3172.5	2908.9	2603.7	2404.8	2141.2	2062.6
15°	5253.6	4897.5	4189.9	3574.8	3232.6	2867.3	2566.7	2266.1	2007.1	1729.6	1632.5
17.5°	5507.9	5096.3	4185.3	3436.1	2955.1	2562.0	2145.8	1808.2	1544.6	1290.3	1230.1
20°	5938.0	5309.1	4319.4	3352.8	2691.5	2164.3	1692.6	1355.0	1059.0	892.6	850.9
22.5°	6428.2	5669.8	4333.3	3130.9	2427.9	1766.6	1234.8	892.6	726.1	647.4	624.3
25°	7029.4	6247.9	4499.8	2950.5	2118.1	1341.1	878.7	684.4	587.3	541.1	531.8
27.5°	7524.2	6650.2	4680.1	2760.9	1812.8	994.3	689.1	559.6	508.7	462.5	457.8
30°	8037.6	7112.7	4731.0	2645.3	1549.2	818.6	592.0	494.8	439.3	416.2	411.6
32.5°	8486.2	7616.7	4892.8	2455.7	1299.5	721.4	536.5	444.0	407.0	370.0	365.3
35°	9064.2	7908.1	4971.5	2353.9	1207.0	652.1	490.2	407.0	351.5	328.3	319.1
37.5°	9683.9	8190.2	5022.3	2275.3	1128.4	610.4	462.5	383.8	333.0	300.6	291.4
40°	10262.0	8587.9	4948.3	2178.2	1068.3	559.6	444.0	356.1	309.8	277.5	263.6
42.5°	10706.0	8976.4	4925.2	2085.7	1003.5	541.1	420.8	342.2	291.4	254.4	249.7
45°	10955.7	9240.0	4763.4	2011.7	952.7	550.3	411.6	323.7	277.5	245.1	226.6
47.5°	10895.6	9443.5	4805.0	1988.6	883.3	513.3	407.0	309.8	254.4	226.6	212.7
50°	11228.6	9855.1	4735.6	1914.6	832.4	462.5	444.0	309.8	249.7	217.4	203.5
52.5°	11284.1	10229.6	4883.6	1780.5	753.8	425.5	439.3	305.2	240.5	208.1	189.6
55°	11746.5	10664.4	5170.3	1706.5	689.1	370.0	402.3	296.0	217.4	189.6	180.4
57.5°	12375.5	11566.2	5355.3	1637.1	601.2	323.7	337.6	291.4	198.9	175.7	161.9
60°	12981.3	11926.9	5369.2	1512.2	518.0	291.4	263.6	291.4	185.0	157.2	143.4
62.5°	13434.5	11926.9	5276.7	1405.9	453.2	259.0	231.2	277.5	166.5	138.7	129.5
65°	13189.4	11607.8	5036.2	1318.0	411.6	226.6	198.9	212.7	148.0	120.2	111.0
67.5°	12750.1	10613.5	4504.4	1211.6	407.0	198.9	171.1	157.2	129.5	106.4	97.1
70°	12047.1	9272.4	3750.6	1091.4	397.7	180.4	152.6	134.1	115.6	92.5	83.2
72.5°	9707.1	7658.4	3080.0	1022.0	388.5	157.2	129.5	115.6	97.1	78.6	69.4
75°	6724.2	4892.8	2372.4	874.1	379.2	143.4	120.2	101.7	83.2	64.7	60.1
77.5°	4032.7	3269.6	1530.7	656.7	249.7	115.6	101.7	78.6	69.4	55.5	50.9
80°	1886.8	1544.6	619.7	254.4	120.2	83.2	69.4	60.1	55.5	46.2	41.6
82.5°	739.9	652.1	300.6	148.0	97.1	64.7	55.5	50.9	46.2	37.0	32.4
85°	397.7	351.5	143.4	101.7	69.4	46.2	46.2	41.6	37.0	32.4	27.7
87.5°	87.9	64.7	60.1	60.1	50.9	37.0	37.0	32.4	27.7	23.1	18.5
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°	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5
2.5°	5716.0	5785.4	5674.4	5743.8	5646.7	5720.6	5729.9	5660.5	5679.0	5771.5	5813.1
5°	4869.7	4823.5	4721.7	4689.4	4694.0	4633.9	4657.0	4689.4	4740.2	4768.0	4851.2
7.5°	3510.1	3616.4	3611.8	3690.4	3695.1	3685.8	3621.1	3482.3	3528.6	3491.6	3537.8
10°	2511.2	2557.4	2645.3	2696.2	2788.6	2737.8	2589.8	2534.3	2506.5	2501.9	2548.2
12.5°	2007.1	1896.1	1886.8	1905.3	1951.6	1891.5	1817.5	1752.7	1785.1	1849.8	1900.7
15°	1553.9	1461.4	1341.1	1322.6	1331.9	1304.1	1225.5	1142.3	1165.4	1230.1	1267.1
17.5°	1193.2	1086.8	1003.5	948.0	929.5	832.4	716.8	647.4	628.9	624.3	656.7
20°	804.7	786.2	772.3	702.9	702.9	564.2	467.1	416.2	416.2	425.5	430.1
22.5°	601.2	578.1	582.7	568.8	531.8	420.8	370.0	356.1	356.1	365.3	365.3
25°	522.6	490.2	481.0	476.3	439.3	360.7	323.7	309.8	309.8	319.1	319.1
27.5°	444.0	434.7	420.8	402.3	370.0	309.8	286.7	272.9	277.5	282.1	277.5
30°	407.0	383.8	365.3	365.3	328.3	277.5	259.0	249.7	240.5	249.7	254.4
32.5°	360.7	346.8	337.6	323.7	282.1	245.1	226.6	217.4	212.7	212.7	217.4
35°	309.8	309.8	300.6	282.1	245.1	222.0	198.9	189.6	185.0	189.6	189.6
37.5°	277.5	263.6	268.2	249.7	217.4	194.2	171.1	161.9	161.9	157.2	161.9
40°	259.0	235.9	222.0	212.7	194.2	166.5	148.0	138.7	134.1	134.1	134.1
42.5°	231.2	212.7	185.0	180.4	175.7	143.4	120.2	115.6	111.0	106.4	106.4
45°	217.4	189.6	166.5	143.4	143.4	120.2	101.7	92.5	87.9	83.2	87.9
47.5°	198.9	171.1	143.4	120.2	115.6	97.1	78.6	69.4	64.7	64.7	64.7
50°	189.6	152.6	124.9	101.7	87.9	78.6	60.1	50.9	46.2	46.2	46.2
52.5°	175.7	143.4	111.0	87.9	69.4	60.1	46.2	37.0	32.4	32.4	32.4
55°	157.2	129.5	97.1	74.0	60.1	46.2	32.4	23.1	18.5	18.5	18.5
57.5°	148.0	115.6	83.2	64.7	46.2	32.4	18.5	13.9	13.9	9.2	13.9
60°	134.1	101.7	69.4	50.9	37.0	23.1	13.9	4.6	4.6	4.6	4.6
62.5°	115.6	87.9	60.1	41.6	27.7	13.9	4.6	0.0	0.0	0.0	0.0
65°	97.1	69.4	46.2	32.4	18.5	4.6	0.0	0.0	0.0	0.0	0.0
67.5°	83.2	60.1	37.0	23.1	13.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	74.0	50.9	27.7	18.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	60.1	41.6	23.1	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	50.9	32.4	13.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	41.6	23.1	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	32.4	18.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	27.7	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	18.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.9	4.6	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: P599416
 CATALOG NUMBER: IFLD-M-SA4C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5	6511.5
2.5°	5873.3	5845.5	5984.3	6210.9	6326.5	6553.1	6608.6	6751.9	6714.9	6765.8
5°	4860.5	4916.0	5119.4	5452.4	5572.7	5901.0	6210.9	6520.7	6719.6	6816.7
7.5°	3607.2	3792.2	4041.9	4347.1	4657.0	5087.1	5614.3	5975.0	6169.2	6377.3
10°	2686.9	2885.8	3172.5	3473.1	3977.2	4458.1	4985.3	5433.9	5600.4	5794.6
12.5°	2113.4	2423.3	2756.3	3080.0	3380.6	3838.4	4490.5	5142.6	5322.9	5470.9
15°	1470.6	1849.8	2326.2	2747.0	3167.9	3565.6	4240.8	5031.6	5276.7	5526.4
17.5°	813.9	1114.5	1660.2	2252.2	2871.9	3482.3	4324.0	5235.1	5605.0	5780.8
20°	471.7	592.0	980.4	1683.4	2501.9	3302.0	4365.6	5618.9	6109.1	6197.0
22.5°	388.5	430.1	555.0	1054.4	2048.7	3186.4	4578.4	6155.4	6654.8	6862.9
25°	333.0	365.3	430.1	633.6	1549.2	2941.3	4712.5	6825.9	7288.4	7515.0
27.5°	296.0	328.3	379.2	467.1	1054.4	2603.7	4934.5	7431.8	7894.2	8204.1
30°	259.0	286.7	337.6	397.7	730.7	2224.4	5124.1	7875.7	8527.8	8624.9
32.5°	231.2	254.4	291.4	342.2	541.1	1688.0	5276.7	8333.6	8883.9	9096.6
35°	198.9	226.6	249.7	291.4	411.6	1271.8	5184.2	8689.7	9406.5	9660.8
37.5°	175.7	194.2	217.4	245.1	346.8	994.3	4994.6	9115.1	9855.1	10090.9
40°	148.0	161.9	189.6	217.4	314.5	767.7	4777.2	9628.4	10484.0	10900.2
42.5°	124.9	138.7	157.2	203.5	259.0	568.8	4337.9	10026.2	10992.7	11344.2
45°	97.1	115.6	143.4	203.5	208.1	420.8	3884.7	10322.1	11279.4	11455.2
47.5°	74.0	92.5	138.7	175.7	166.5	291.4	3348.2	10659.7	11575.4	11737.3
50°	55.5	74.0	157.2	152.6	138.7	222.0	3010.6	10895.6	11593.9	11681.8
52.5°	37.0	55.5	129.5	115.6	115.6	194.2	2918.1	10886.3	11640.2	11450.5
55°	27.7	41.6	74.0	83.2	101.7	171.1	2834.9	11233.2	11654.0	11788.1
57.5°	18.5	32.4	50.9	64.7	87.9	148.0	2663.8	11649.4	12084.1	12153.5
60°	9.2	23.1	37.0	50.9	74.0	129.5	2423.3	11954.6	12606.7	12680.7
62.5°	4.6	13.9	27.7	41.6	60.1	101.7	2173.6	11469.0	12380.1	12509.6
65°	0.0	9.2	18.5	27.7	37.0	74.0	1766.6	10354.5	11482.9	11959.3
67.5°	0.0	0.0	9.2	18.5	23.1	55.5	1331.9	9420.3	10655.1	11302.6
70°	0.0	0.0	4.6	4.6	13.9	41.6	850.9	7801.7	9512.8	9868.9
72.5°	0.0	0.0	0.0	0.0	4.6	27.7	494.8	5794.6	7454.9	8116.2
75°	0.0	0.0	0.0	0.0	0.0	23.1	249.7	3727.4	5188.8	6076.7
77.5°	0.0	0.0	0.0	0.0	0.0	18.5	134.1	2404.8	3824.6	4569.1
80°	0.0	0.0	0.0	0.0	0.0	4.6	78.6	1396.6	2446.4	2964.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	32.4	684.4	1461.4	1711.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	9.2	365.3	730.7	961.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	50.9	97.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)