

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: P599388

Luminaire Tested: **IFLD-M-SA4D-722-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: P599388
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4D-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

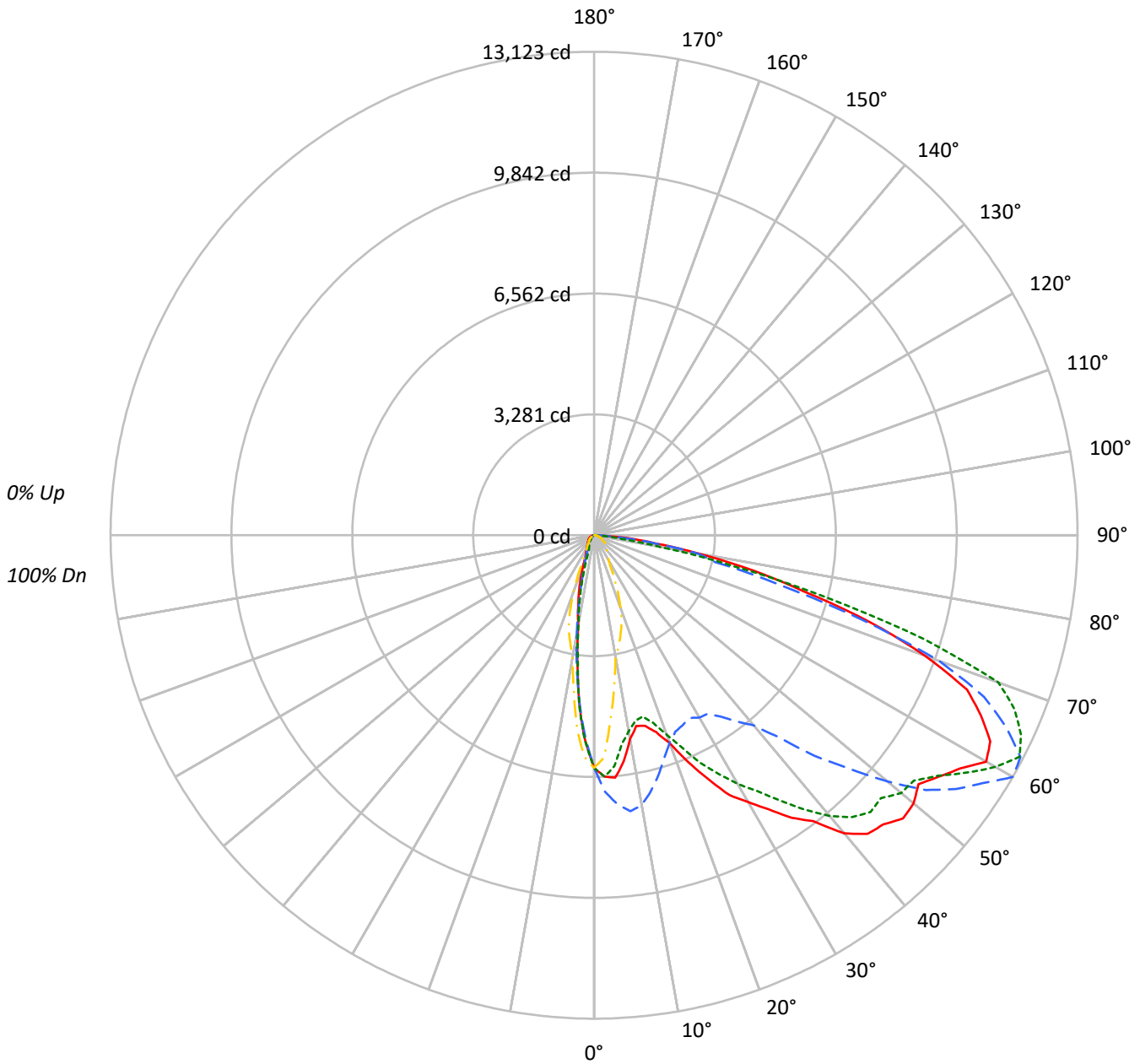
Lumens per Lamp: N/A
 Luminaire Lumens: 16783.7 lumens
 Efficiency: N/A
 Efficacy: 67.2 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 249.7
 Input Voltage (V): 120
 Input Current (A_{in}): 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: P599388
CATALOG NUMBER: IFLD-M-SA4D-722-U-SLL-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599388
 CATALOG NUMBER: IFLD-M-SA4D-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	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°	67926	67926	67926	67926
5°	71381	67943	49638	49929
10°	61381	59029	27139	26502
15°	59684	56738	17630	13285
20°	68795	65920	9447	4723
25°	86499	80910	6121	3673
30°	103892	96818	4958	3008
35°	123029	115432	4064	2415
40°	148436	139746	3590	1827
45°	168995	161628	3343	1228
50°	189583	182228	3302	750
55°	214394	213638	3280	336
60°	264564	270835	2990	97
65°	295198	325563	2741	0
70°	301007	367443	2540	0
75°	244923	271020	2425	0
80°	178082	113349	2498	0
85°	115129	47598	3322	0

TEST NUMBER: P599388
 CATALOG NUMBER: IFLD-M-SA4D-722-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.4	2.9
10°-20°	940.1	5.6
20°-30°	1300.9	7.8
30°-40°	1838.6	11.0
40°-50°	2503.2	14.9
50°-60°	3315.4	19.8
60°-70°	3849.4	22.9
70°-80°	2179.9	13.0
80°-90°	376.7	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°	2720.5	16.2
0°-40°	4559.0	27.2
0°-60°	10377.6	61.8
0°-90°	16783.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16783.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6310	6310	6310	6310	6310	
5°	6606	6288	4594	4621	6606	593
15°	5356	5092	1582	1192	5356	1571
25°	7283	6812	515	309	7283	3397
35°	9363	8785	309	184	9363	5902
45°	11102	10618	220	81	11102	8607
55°	11424	11384	175	18	11424	10351
65°	11590	12782	108	0	11590	11298
75°	5889	6517	58	0	5889	6427
85°	932	385	27	0	932	1120
90°	0	0	0	0	0	

TEST NUMBER: P599388
 CATALOG NUMBER: IFLD-M-SA4D-722-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5
2.5°	6557.0	6696.0	6700.5	6763.2	6826.0	6826.0	6973.9	6938.0	6808.0	6785.6	6691.5
5°	6606.3	6655.6	6691.5	7009.7	7278.6	7251.7	7332.4	7278.6	7027.6	6705.0	6485.3
7.5°	6180.6	6234.3	6377.8	6920.1	7283.1	7404.1	7556.5	7220.4	6955.9	6373.3	5952.0
10°	5615.8	5718.9	5983.4	6601.9	7050.1	7435.5	7435.5	7166.6	6655.6	6086.4	5571.0
12.5°	5302.1	5508.3	5651.7	6279.2	6861.8	7126.3	7117.3	6973.9	6642.2	5925.1	5342.4
15°	5355.9	5414.2	5718.9	6207.5	6592.9	6579.5	6740.8	6696.0	6462.9	6068.5	5427.6
17.5°	5602.4	5692.0	5956.5	6207.5	6391.2	6337.4	6333.0	6548.1	6561.5	6310.5	5745.8
20°	6005.8	6270.2	6395.7	6471.9	6247.8	6019.2	5992.3	6292.6	6525.7	6619.8	6126.8
22.5°	6651.2	6826.0	7081.4	6691.5	6108.9	5822.0	5768.2	6099.9	6570.5	6987.3	6619.8
25°	7283.1	7417.6	7664.1	7162.1	6265.7	5781.7	5687.6	5974.4	6740.8	7498.3	7215.9
27.5°	7950.9	8067.5	8094.3	7507.2	6350.9	5701.0	5589.0	5974.4	6884.2	7767.2	7928.5
30°	8358.8	8497.7	8524.6	7812.0	6489.8	5768.2	5714.4	6001.3	6982.8	7995.7	8439.5
32.5°	8815.9	8851.8	8829.4	7865.8	6642.2	5965.4	5741.3	6180.6	7094.9	8269.1	8905.6
35°	9362.7	9425.5	9196.9	8112.3	6982.8	6090.9	6010.3	6400.2	7287.6	8394.6	9470.3
37.5°	9779.5	9976.8	9461.3	8206.4	7050.1	6355.4	6368.8	6857.3	7422.1	8547.0	10093.3
40°	10563.9	10232.2	9909.5	8529.1	7305.5	6803.6	6731.8	7327.9	7874.7	8645.6	10501.1
42.5°	10994.1	10819.4	10084.3	8560.5	7699.9	7422.1	7440.0	7861.3	8112.3	8923.5	10613.2
45°	11101.7	10918.0	10321.9	8582.9	8089.9	8152.6	8461.9	8542.5	8461.9	9107.3	10823.8
47.5°	11375.1	10976.2	10295.0	8883.2	8721.8	8963.8	9358.2	9533.0	8936.9	9040.0	10922.4
50°	11321.3	11092.7	10236.7	9008.7	9492.7	10133.6	10398.1	10326.3	9465.8	8901.1	10814.9
52.5°	11097.2	10850.7	10416.0	9349.3	10214.3	10989.7	11357.2	11177.9	9936.4	9214.8	10743.2
55°	11424.4	11236.2	10649.0	9810.9	10756.6	11742.6	12002.6	11868.1	10514.6	9506.1	11151.0
57.5°	11778.5	11738.1	11281.0	10353.2	11397.5	12518.0	12518.0	12352.2	11016.6	9927.4	11756.1
60°	12289.4	12379.1	11747.1	10711.8	11617.1	12473.2	13123.1	12930.3	11523.0	10667.0	12441.8
62.5°	12123.6	12410.4	12347.7	11482.7	11868.1	12692.8	13046.9	13190.3	12150.5	11567.8	13356.1
65°	11590.2	11895.0	12343.2	11989.1	11679.9	12159.4	12338.7	12773.5	12464.2	12414.9	13732.6
67.5°	10953.8	11285.5	11563.4	12329.8	11298.9	11617.1	11460.3	11599.2	12123.6	13342.7	13947.7
70°	9564.4	9882.6	10321.9	11572.3	10290.5	10003.6	9963.3	9896.1	10711.8	13011.0	12970.7
72.5°	7865.8	8013.7	8739.7	9407.5	7614.8	7561.0	7623.7	7547.6	8493.2	11778.5	11110.7
75°	5889.2	6037.1	6449.5	7224.9	5185.6	4876.3	5234.9	5589.0	6485.3	9143.1	7982.3
77.5°	4428.1	4616.4	4876.3	5405.2	3805.1	3321.1	3370.4	3706.5	4688.1	7323.5	4473.0
80°	2872.9	2850.5	3352.5	3720.0	2863.9	2953.6	2828.1	3074.6	3397.3	3917.2	2285.8
82.5°	1658.3	1680.7	1891.4	2133.4	1994.5	2281.3	1644.9	2747.4	2424.7	1595.6	851.6
85°	932.2	972.6	1165.3	1479.0	1250.5	838.1	685.7	1362.5	1523.9	654.4	412.3
87.5°	94.1	80.7	156.9	560.2	340.6	138.9	206.2	327.2	367.5	246.5	121.0
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: P599388
 CATALOG NUMBER: IFLD-M-SA4D-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5
2.5°	6557.0	6557.0	6445.0	6256.8	6180.6	6046.1	5862.3	5920.6	5857.9	5629.3	5571.0
5°	6288.1	6073.0	5839.9	5553.1	5387.3	5046.6	4939.1	4746.4	4777.7	4585.0	4594.0
7.5°	5727.9	5557.6	5163.2	4786.7	4459.5	4163.7	3746.9	3590.0	3437.6	3361.4	3451.1
10°	5400.7	5082.5	4544.7	4051.7	3616.9	3352.5	3074.6	2859.5	2662.3	2514.4	2483.0
12.5°	5163.2	4880.8	4230.9	3630.4	3289.7	3074.6	2819.1	2523.3	2330.6	2075.1	1998.9
15°	5091.5	4746.4	4060.6	3464.5	3132.9	2778.8	2487.5	2196.1	1945.2	1676.2	1582.1
17.5°	5338.0	4939.1	4056.1	3330.1	2863.9	2483.0	2079.6	1752.4	1497.0	1250.5	1192.2
20°	5754.8	5145.2	4186.1	3249.4	2608.5	2097.5	1640.4	1313.2	1026.4	865.0	824.7
22.5°	6229.9	5494.8	4199.6	3034.3	2353.0	1712.1	1196.7	865.0	703.7	627.5	605.1
25°	6812.5	6055.1	4360.9	2859.5	2052.7	1299.8	851.6	663.3	569.2	524.4	515.4
27.5°	7292.1	6445.0	4535.7	2675.7	1756.9	963.6	667.8	542.3	493.0	448.2	443.7
30°	7789.6	6893.2	4585.0	2563.7	1501.4	793.3	573.7	479.6	425.8	403.4	398.9
32.5°	8224.3	7381.7	4741.9	2379.9	1259.4	699.2	519.9	430.3	394.4	358.6	354.1
35°	8784.6	7664.1	4818.1	2281.3	1169.8	632.0	475.1	394.4	340.6	318.2	309.3
37.5°	9385.1	7937.5	4867.4	2205.1	1093.6	591.6	448.2	372.0	322.7	291.3	282.4
40°	9945.4	8322.9	4795.7	2111.0	1035.3	542.3	430.3	345.1	300.3	268.9	255.5
42.5°	10375.6	8699.4	4773.2	2021.3	972.6	524.4	407.9	331.7	282.4	246.5	242.0
45°	10617.7	8954.9	4616.4	1949.6	923.3	533.3	398.9	313.7	268.9	237.5	219.6
47.5°	10559.4	9152.1	4656.7	1927.2	856.0	497.5	394.4	300.3	246.5	219.6	206.2
50°	10882.1	9551.0	4589.5	1855.5	806.7	448.2	430.3	300.3	242.0	210.7	197.2
52.5°	10935.9	9914.0	4732.9	1725.5	730.6	412.3	425.8	295.8	233.1	201.7	183.8
55°	11384.1	10335.3	5010.8	1653.8	667.8	358.6	389.9	286.8	210.7	183.8	174.8
57.5°	11993.6	11209.3	5190.1	1586.6	582.6	313.7	327.2	282.4	192.7	170.3	156.9
60°	12580.7	11558.9	5203.5	1465.6	502.0	282.4	255.5	282.4	179.3	152.4	138.9
62.5°	13020.0	11558.9	5113.9	1362.5	439.2	251.0	224.1	268.9	161.3	134.5	125.5
65°	12782.4	11249.6	4880.8	1277.3	398.9	219.6	192.7	206.2	143.4	116.5	107.6
67.5°	12356.6	10286.0	4365.4	1174.3	394.4	192.7	165.8	152.4	125.5	103.1	94.1
70°	11675.4	8986.2	3634.8	1057.7	385.4	174.8	147.9	130.0	112.0	89.6	80.7
72.5°	9407.5	7422.1	2985.0	990.5	376.5	152.4	125.5	112.0	94.1	76.2	67.2
75°	6516.7	4741.9	2299.2	847.1	367.5	138.9	116.5	98.6	80.7	62.7	58.3
77.5°	3908.2	3168.7	1483.5	636.4	242.0	112.0	98.6	76.2	67.2	53.8	49.3
80°	1828.6	1497.0	600.6	246.5	116.5	80.7	67.2	58.3	53.8	44.8	40.3
82.5°	717.1	632.0	291.3	143.4	94.1	62.7	53.8	49.3	44.8	35.9	31.4
85°	385.4	340.6	138.9	98.6	67.2	44.8	44.8	40.3	35.9	31.4	26.9
87.5°	85.2	62.7	58.3	58.3	49.3	35.9	35.9	31.4	26.9	22.4	17.9
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: P599388
 CATALOG NUMBER: IFLD-M-SA4D-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5
2.5°	5539.7	5606.9	5499.3	5566.5	5472.4	5544.1	5553.1	5485.9	5503.8	5593.4	5633.8
5°	4719.5	4674.6	4576.0	4544.7	4549.1	4490.9	4513.3	4544.7	4594.0	4620.9	4701.5
7.5°	3401.8	3504.9	3500.4	3576.6	3581.1	3572.1	3509.3	3374.9	3419.7	3383.8	3428.7
10°	2433.7	2478.5	2563.7	2613.0	2702.6	2653.3	2509.9	2456.1	2429.2	2424.7	2469.5
12.5°	1945.2	1837.6	1828.6	1846.6	1891.4	1833.1	1761.4	1698.6	1730.0	1792.8	1842.1
15°	1505.9	1416.3	1299.8	1281.8	1290.8	1263.9	1187.7	1107.0	1129.4	1192.2	1228.0
17.5°	1156.3	1053.3	972.6	918.8	900.9	806.7	694.7	627.5	609.5	605.1	636.4
20°	779.9	761.9	748.5	681.3	681.3	546.8	452.7	403.4	403.4	412.3	416.8
22.5°	582.6	560.2	564.7	551.3	515.4	407.9	358.6	345.1	345.1	354.1	354.1
25°	506.5	475.1	466.1	461.6	425.8	349.6	313.7	300.3	300.3	309.3	309.3
27.5°	430.3	421.3	407.9	389.9	358.6	300.3	277.9	264.4	268.9	273.4	268.9
30°	394.4	372.0	354.1	354.1	318.2	268.9	251.0	242.0	233.1	242.0	246.5
32.5°	349.6	336.1	327.2	313.7	273.4	237.5	219.6	210.7	206.2	206.2	210.7
35°	300.3	300.3	291.3	273.4	237.5	215.1	192.7	183.8	179.3	183.8	183.8
37.5°	268.9	255.5	260.0	242.0	210.7	188.2	165.8	156.9	156.9	152.4	156.9
40°	251.0	228.6	215.1	206.2	188.2	161.3	143.4	134.5	130.0	130.0	130.0
42.5°	224.1	206.2	179.3	174.8	170.3	138.9	116.5	112.0	107.6	103.1	103.1
45°	210.7	183.8	161.3	138.9	138.9	116.5	98.6	89.6	85.2	80.7	85.2
47.5°	192.7	165.8	138.9	116.5	112.0	94.1	76.2	67.2	62.7	62.7	62.7
50°	183.8	147.9	121.0	98.6	85.2	76.2	58.3	49.3	44.8	44.8	44.8
52.5°	170.3	138.9	107.6	85.2	67.2	58.3	44.8	35.9	31.4	31.4	31.4
55°	152.4	125.5	94.1	71.7	58.3	44.8	31.4	22.4	17.9	17.9	17.9
57.5°	143.4	112.0	80.7	62.7	44.8	31.4	17.9	13.4	13.4	9.0	13.4
60°	130.0	98.6	67.2	49.3	35.9	22.4	13.4	4.5	4.5	4.5	4.5
62.5°	112.0	85.2	58.3	40.3	26.9	13.4	4.5	0.0	0.0	0.0	0.0
65°	94.1	67.2	44.8	31.4	17.9	4.5	0.0	0.0	0.0	0.0	0.0
67.5°	80.7	58.3	35.9	22.4	13.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	71.7	49.3	26.9	17.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	58.3	40.3	22.4	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	49.3	31.4	13.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	40.3	22.4	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	31.4	17.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	26.9	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	17.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.4	4.5	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: P599388
 CATALOG NUMBER: IFLD-M-SA4D-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5	6310.5
2.5°	5692.0	5665.1	5799.6	6019.2	6131.3	6350.9	6404.7	6543.6	6507.7	6557.0
5°	4710.5	4764.3	4961.5	5284.2	5400.7	5718.9	6019.2	6319.5	6512.2	6606.3
7.5°	3495.9	3675.2	3917.2	4213.0	4513.3	4930.1	5441.0	5790.6	5978.9	6180.6
10°	2604.0	2796.7	3074.6	3365.9	3854.5	4320.6	4831.5	5266.3	5427.6	5615.8
12.5°	2048.2	2348.5	2671.2	2985.0	3276.3	3720.0	4351.9	4983.9	5158.7	5302.1
15°	1425.3	1792.8	2254.4	2662.3	3070.1	3455.6	4109.9	4876.3	5113.9	5355.9
17.5°	788.8	1080.1	1609.0	2182.7	2783.3	3374.9	4190.6	5073.5	5432.1	5602.4
20°	457.2	573.7	950.2	1631.4	2424.7	3200.1	4230.9	5445.5	5920.6	6005.8
22.5°	376.5	416.8	537.8	1021.9	1985.5	3088.0	4437.1	5965.4	6449.5	6651.2
25°	322.7	354.1	416.8	614.0	1501.4	2850.5	4567.1	6615.3	7063.5	7283.1
27.5°	286.8	318.2	367.5	452.7	1021.9	2523.3	4782.2	7202.4	7650.6	7950.9
30°	251.0	277.9	327.2	385.4	708.1	2155.8	4966.0	7632.7	8264.7	8358.8
32.5°	224.1	246.5	282.4	331.7	524.4	1635.9	5113.9	8076.4	8609.8	8815.9
35°	192.7	219.6	242.0	282.4	398.9	1232.5	5024.2	8421.5	9116.2	9362.7
37.5°	170.3	188.2	210.7	237.5	336.1	963.6	4840.5	8833.9	9551.0	9779.5
40°	143.4	156.9	183.8	210.7	304.8	744.0	4629.8	9331.4	10160.5	10563.9
42.5°	121.0	134.5	152.4	197.2	251.0	551.3	4204.0	9716.8	10653.5	10994.1
45°	94.1	112.0	138.9	197.2	201.7	407.9	3764.8	10003.6	10931.4	11101.7
47.5°	71.7	89.6	134.5	170.3	161.3	282.4	3244.9	10330.8	11218.2	11375.1
50°	53.8	71.7	152.4	147.9	134.5	215.1	2917.7	10559.4	11236.2	11321.3
52.5°	35.9	53.8	125.5	112.0	112.0	188.2	2828.1	10550.4	11281.0	11097.2
55°	26.9	40.3	71.7	80.7	98.6	165.8	2747.4	10886.6	11294.4	11424.4
57.5°	17.9	31.4	49.3	62.7	85.2	143.4	2581.6	11290.0	11711.3	11778.5
60°	9.0	22.4	35.9	49.3	71.7	125.5	2348.5	11585.8	12217.7	12289.4
62.5°	4.5	13.4	26.9	40.3	58.3	98.6	2106.5	11115.2	11998.1	12123.6
65°	0.0	9.0	17.9	26.9	35.9	71.7	1712.1	10035.0	11128.6	11590.2
67.5°	0.0	0.0	9.0	17.9	22.4	53.8	1290.8	9129.7	10326.3	10953.8
70°	0.0	0.0	4.5	4.5	13.4	40.3	824.7	7561.0	9219.3	9564.4
72.5°	0.0	0.0	0.0	0.0	4.5	26.9	479.6	5615.8	7224.9	7865.8
75°	0.0	0.0	0.0	0.0	0.0	22.4	242.0	3612.4	5028.7	5889.2
77.5°	0.0	0.0	0.0	0.0	0.0	17.9	130.0	2330.6	3706.5	4428.1
80°	0.0	0.0	0.0	0.0	0.0	4.5	76.2	1353.5	2370.9	2872.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	31.4	663.3	1416.3	1658.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	9.0	354.1	708.1	932.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	49.3	94.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)