

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: P599560

Luminaire Tested: **IFLD-M-SA4B-760-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: P599560
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4B-760-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (64) 5700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

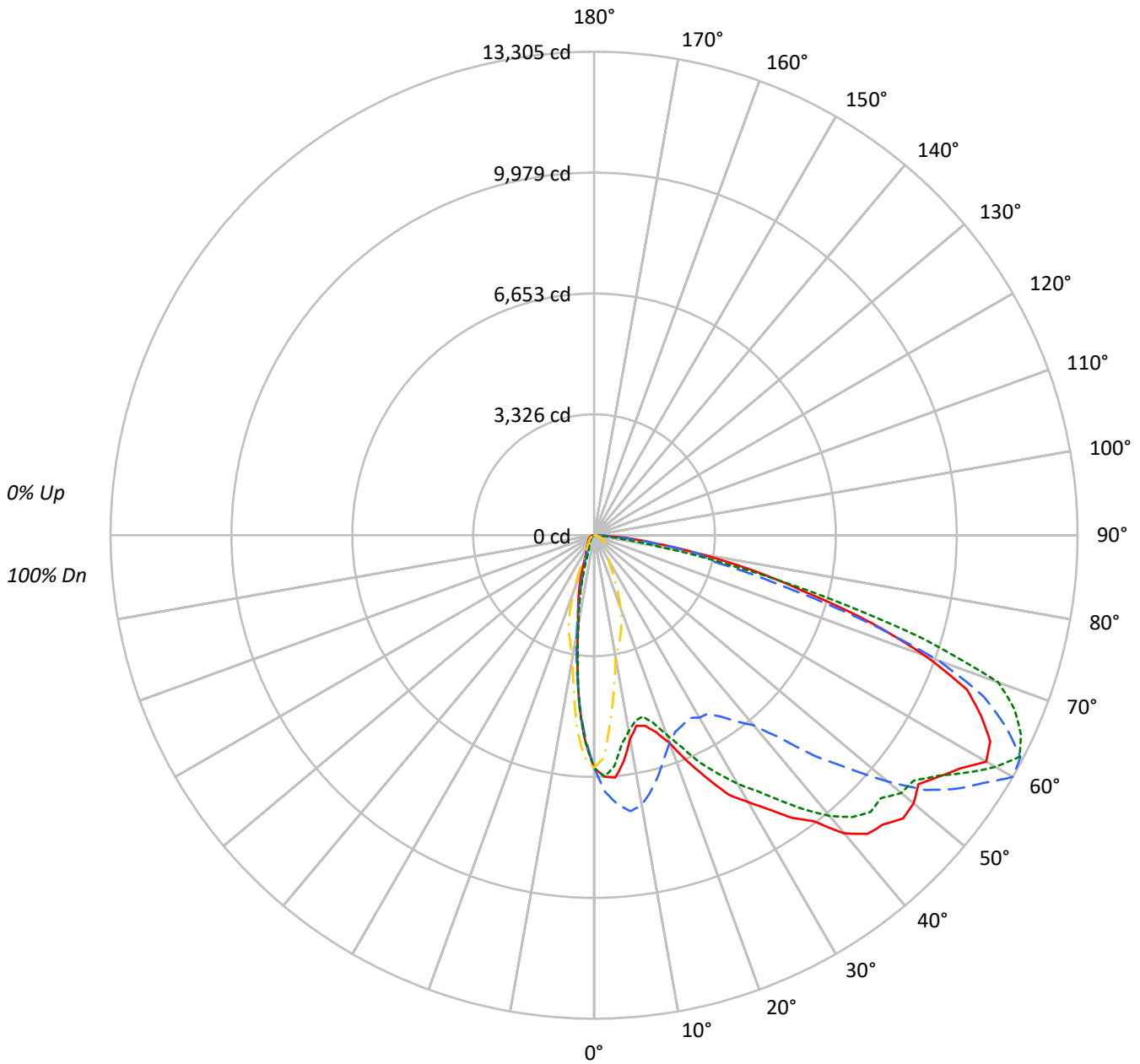
Lumens per Lamp: N/A
 Luminaire Lumens: 17015.8 lumens
 Efficiency: N/A
 Efficacy: 102.4 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 166.1
 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: P599560
CATALOG NUMBER: IFLD-M-SA4B-760-U-SLL-HSS

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: IFLD-M-SA4B-760-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	102	102	102	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	81	81	81	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	63	63	63	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	50	50	50	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	41	41	41	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	34	34	34	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	29	29	29	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	25	25	25	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	22	22	22	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	20	20	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	68865	68865	68865	68865
5°	72369	68883	50324	50619
10°	62230	59846	27514	26869
15°	60510	57522	17874	13469
20°	69745	66831	9577	4788
25°	87696	82029	6206	3723
30°	105329	98156	5026	3050
35°	124730	117029	4119	2448
40°	150489	141678	3639	1852
45°	171334	163862	3390	1245
50°	192205	184748	3347	760
55°	217359	216591	3325	342
60°	268224	274583	3033	97
65°	299283	330066	2779	0
70°	305170	372526	2574	0
75°	248313	274767	2458	0
80°	180543	114918	2535	0
85°	116722	48265	3372	0

TEST NUMBER: P599560
 CATALOG NUMBER: IFLD-M-SA4B-760-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.0	2.9
10°-20°	953.1	5.6
20°-30°	1318.9	7.8
30°-40°	1864.0	11.0
40°-50°	2537.9	14.9
50°-60°	3361.2	19.8
60°-70°	3902.7	22.9
70°-80°	2210.1	13.0
80°-90°	381.9	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°	2758.1	16.2
0°-40°	4622.1	27.2
0°-60°	10521.2	61.8
0°-90°	17015.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17015.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6398	6398	6398	6398	6398	
5°	6698	6375	4658	4685	6698	601
15°	5430	5162	1604	1209	5430	1593
25°	7384	6907	522	314	7384	3444
35°	9492	8906	314	186	9492	5984
45°	11255	10764	223	82	11255	8726
55°	11582	11542	177	18	11582	10494
65°	11751	12959	109	0	11751	11455
75°	5971	6607	59	0	5971	6516
85°	945	391	27	0	945	1136
90°	0	0	0	0	0	

TEST NUMBER: P599560
 CATALOG NUMBER: IFLD-M-SA4B-760-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8
2.5°	6647.7	6788.6	6793.1	6856.8	6920.4	6920.4	7070.3	7034.0	6902.2	6879.5	6784.1
5°	6697.7	6747.7	6784.1	7106.7	7379.3	7352.0	7433.8	7379.3	7124.9	6797.7	6575.0
7.5°	6266.1	6320.6	6466.0	7015.8	7383.9	7506.5	7661.0	7320.2	7052.1	6461.4	6034.3
10°	5693.5	5798.0	6066.1	6693.2	7147.6	7538.3	7538.3	7265.7	6747.7	6170.6	5648.1
12.5°	5375.4	5584.5	5729.9	6366.0	6956.7	7224.8	7215.7	7070.3	6734.1	6007.0	5416.3
15°	5430.0	5489.0	5798.0	6293.3	6684.1	6670.5	6834.0	6788.6	6552.3	6152.5	5502.7
17.5°	5679.9	5770.8	6038.9	6293.3	6479.6	6425.1	6420.5	6638.7	6652.3	6397.8	5825.3
20°	6088.8	6356.9	6484.2	6561.4	6334.2	6102.5	6075.2	6379.6	6615.9	6711.4	6211.5
22.5°	6743.2	6920.4	7179.4	6784.1	6193.3	5902.5	5848.0	6184.3	6661.4	7084.0	6711.4
25°	7383.9	7520.2	7770.1	7261.2	6352.4	5861.6	5766.2	6057.0	6834.0	7602.0	7315.7
27.5°	8060.9	8179.0	8206.3	7611.0	6438.7	5779.9	5666.3	6057.0	6979.4	7874.6	8038.2
30°	8474.4	8615.3	8642.5	7920.0	6579.6	5848.0	5793.5	6084.3	7079.4	8106.3	8556.2
32.5°	8937.9	8974.2	8951.5	7974.6	6734.1	6047.9	5820.7	6266.1	7193.0	8383.5	9028.7
35°	9492.2	9555.8	9324.1	8224.5	7079.4	6175.2	6093.4	6488.7	7388.4	8510.7	9601.3
37.5°	9914.8	10114.7	9592.2	8319.9	7147.6	6443.3	6456.9	6952.2	7524.7	8665.2	10232.9
40°	10710.0	10373.7	10046.6	8647.1	7406.6	6897.7	6825.0	7429.3	7983.6	8765.2	10646.4
42.5°	11146.2	10969.0	10223.8	8678.9	7806.4	7524.7	7542.9	7970.0	8224.5	9046.9	10760.0
45°	11255.3	11069.0	10464.6	8701.6	8201.8	8265.4	8578.9	8660.7	8578.9	9233.2	10973.5
47.5°	11532.4	11128.0	10437.4	9006.0	8842.4	9087.8	9487.7	9664.9	9060.6	9165.1	11073.5
50°	11477.9	11246.2	10378.3	9133.3	9624.0	10273.8	10541.9	10469.2	9596.7	9024.2	10964.5
52.5°	11250.7	11000.8	10560.0	9478.6	10355.6	11141.7	11514.3	11332.5	10073.8	9342.3	10891.8
55°	11582.4	11391.6	10796.3	9946.6	10905.4	11905.0	12168.6	12032.3	10660.0	9637.6	11305.2
57.5°	11941.4	11900.5	11437.0	10496.4	11555.2	12691.1	12691.1	12523.0	11168.9	10064.8	11918.7
60°	12459.4	12550.3	11909.6	10859.9	11777.8	12645.7	13304.6	13109.2	11682.4	10814.5	12613.9
62.5°	12291.3	12582.1	12518.5	11641.5	12032.3	12868.4	13227.3	13372.7	12318.5	11727.8	13540.9
65°	11750.6	12059.5	12513.9	12155.0	11841.4	12327.6	12509.4	12950.1	12636.6	12586.6	13922.5
67.5°	11105.3	11441.6	11723.3	12500.3	11455.2	11777.8	11618.8	11759.6	12291.3	13527.2	14140.6
70°	9696.7	10019.3	10464.6	11732.4	10432.8	10142.0	10101.1	10033.0	10859.9	13191.0	13150.1
72.5°	7974.6	8124.5	8860.6	9537.7	7720.1	7665.6	7729.2	7651.9	8610.7	11941.4	11264.4
75°	5970.7	6120.6	6538.7	7324.8	5257.3	4943.8	5307.3	5666.3	6575.0	9269.6	8092.7
77.5°	4489.4	4680.2	4943.8	5480.0	3857.8	3367.0	3417.0	3757.8	4752.9	7424.7	4534.8
80°	2912.6	2889.9	3398.8	3771.4	2903.6	2994.4	2867.2	3117.1	3444.3	3971.4	2317.4
82.5°	1681.2	1704.0	1917.5	2162.9	2022.0	2312.9	1667.6	2785.4	2458.3	1617.6	863.3
85°	945.1	986.0	1181.4	1499.5	1267.8	849.7	695.2	1381.3	1544.9	663.4	418.0
87.5°	95.4	81.8	159.0	568.0	345.3	140.9	209.0	331.7	372.6	249.9	122.7
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: P599560
 CATALOG NUMBER: IFLD-M-SA4B-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8
2.5°	6647.7	6647.7	6534.1	6343.3	6266.1	6129.7	5943.4	6002.5	5938.9	5707.2	5648.1
5°	6375.1	6157.0	5920.7	5629.9	5461.8	5116.4	5007.4	4812.0	4843.8	4648.4	4657.5
7.5°	5807.1	5634.4	5234.6	4852.9	4521.2	4221.3	3798.7	3639.7	3485.2	3407.9	3498.8
10°	5475.4	5152.8	4607.5	4107.7	3666.9	3398.8	3117.1	2899.0	2699.1	2549.1	2517.3
12.5°	5234.6	4948.3	4289.5	3680.6	3335.2	3117.1	2858.1	2558.2	2362.8	2103.8	2026.6
15°	5161.9	4812.0	4116.8	3512.4	3176.2	2817.2	2521.9	2226.5	1972.1	1699.4	1604.0
17.5°	5411.8	5007.4	4112.2	3376.1	2903.6	2517.3	2108.4	1776.7	1517.7	1267.8	1208.7
20°	5834.4	5216.4	4244.0	3294.3	2644.6	2126.5	1663.1	1331.4	1040.6	877.0	836.1
22.5°	6316.0	5570.8	4257.6	3076.2	2385.6	1735.8	1213.2	877.0	713.4	636.1	613.4
25°	6906.7	6138.8	4421.2	2899.0	2081.1	1317.7	863.3	672.5	577.1	531.6	522.5
27.5°	7392.9	6534.1	4598.4	2712.7	1781.2	976.9	677.0	549.8	499.8	454.4	449.8
30°	7897.3	6988.5	4648.4	2599.1	1522.2	804.3	581.6	486.2	431.7	409.0	404.4
32.5°	8338.1	7483.8	4807.5	2412.8	1276.8	708.8	527.1	436.2	399.9	363.5	359.0
35°	8906.1	7770.1	4884.7	2312.9	1186.0	640.7	481.7	399.9	345.3	322.6	313.5
37.5°	9514.9	8047.3	4934.7	2235.6	1108.7	599.8	454.4	377.1	327.2	295.4	286.3
40°	10082.9	8438.0	4862.0	2140.2	1049.6	549.8	436.2	349.9	304.4	272.6	259.0
42.5°	10519.2	8819.7	4839.3	2049.3	986.0	531.6	413.5	336.2	286.3	249.9	245.4
45°	10764.5	9078.7	4680.2	1976.6	936.0	540.7	404.4	318.1	272.6	240.8	222.7
47.5°	10705.5	9278.7	4721.1	1953.9	867.9	504.4	399.9	304.4	249.9	222.7	209.0
50°	11032.6	9683.1	4653.0	1881.2	817.9	454.4	436.2	304.4	245.4	213.6	199.9
52.5°	11087.1	10051.1	4798.4	1749.4	740.7	418.0	431.7	299.9	236.3	204.5	186.3
55°	11541.5	10478.3	5080.1	1676.7	677.0	363.5	395.3	290.8	213.6	186.3	177.2
57.5°	12159.5	11364.3	5261.8	1608.5	590.7	318.1	331.7	286.3	195.4	172.7	159.0
60°	12754.8	11718.7	5275.5	1485.9	508.9	286.3	259.0	286.3	181.8	154.5	140.9
62.5°	13200.1	11718.7	5184.6	1381.3	445.3	254.5	227.2	272.6	163.6	136.3	127.2
65°	12959.2	11405.2	4948.3	1295.0	404.4	222.7	195.4	209.0	145.4	118.1	109.1
67.5°	12527.6	10428.3	4425.8	1190.5	399.9	195.4	168.1	154.5	127.2	104.5	95.4
70°	11836.9	9110.5	3685.1	1072.4	390.8	177.2	149.9	131.8	113.6	90.9	81.8
72.5°	9537.7	7524.7	3026.2	1004.2	381.7	154.5	127.2	113.6	95.4	77.2	68.2
75°	6606.8	4807.5	2331.0	858.8	372.6	140.9	118.1	100.0	81.8	63.6	59.1
77.5°	3962.3	3212.5	1504.0	645.2	245.4	113.6	100.0	77.2	68.2	54.5	50.0
80°	1853.9	1517.7	608.9	249.9	118.1	81.8	68.2	59.1	54.5	45.4	40.9
82.5°	727.0	640.7	295.4	145.4	95.4	63.6	54.5	50.0	45.4	36.4	31.8
85°	390.8	345.3	140.9	100.0	68.2	45.4	45.4	40.9	36.4	31.8	27.3
87.5°	86.3	63.6	59.1	59.1	50.0	36.4	36.4	31.8	27.3	22.7	18.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8
2.5°	5616.3	5684.4	5575.4	5643.5	5548.1	5620.8	5629.9	5561.7	5579.9	5670.8	5711.7
5°	4784.7	4739.3	4639.3	4607.5	4612.1	4553.0	4575.7	4607.5	4657.5	4684.8	4766.6
7.5°	3448.8	3553.3	3548.8	3626.0	3630.6	3621.5	3557.9	3421.6	3467.0	3430.7	3476.1
10°	2467.3	2512.8	2599.1	2649.1	2740.0	2690.0	2544.6	2490.1	2462.8	2458.3	2503.7
12.5°	1972.1	1863.0	1853.9	1872.1	1917.5	1858.5	1785.8	1722.1	1753.9	1817.6	1867.5
15°	1526.8	1435.9	1317.7	1299.6	1308.6	1281.4	1204.1	1122.3	1145.1	1208.7	1245.0
17.5°	1172.3	1067.8	986.0	931.5	913.3	817.9	704.3	636.1	618.0	613.4	645.2
20°	790.6	772.5	758.8	690.7	690.7	554.4	458.9	409.0	409.0	418.0	422.6
22.5°	590.7	568.0	572.5	558.9	522.5	413.5	363.5	349.9	349.9	359.0	359.0
25°	513.5	481.7	472.6	468.0	431.7	354.4	318.1	304.4	304.4	313.5	313.5
27.5°	436.2	427.1	413.5	395.3	363.5	304.4	281.7	268.1	272.6	277.2	272.6
30°	399.9	377.1	359.0	359.0	322.6	272.6	254.5	245.4	236.3	245.4	249.9
32.5°	354.4	340.8	331.7	318.1	277.2	240.8	222.7	213.6	209.0	209.0	213.6
35°	304.4	304.4	295.4	277.2	240.8	218.1	195.4	186.3	181.8	186.3	186.3
37.5°	272.6	259.0	263.5	245.4	213.6	190.8	168.1	159.0	159.0	154.5	159.0
40°	254.5	231.7	218.1	209.0	190.8	163.6	145.4	136.3	131.8	131.8	131.8
42.5°	227.2	209.0	181.8	177.2	172.7	140.9	118.1	113.6	109.1	104.5	104.5
45°	213.6	186.3	163.6	140.9	140.9	118.1	100.0	90.9	86.3	81.8	86.3
47.5°	195.4	168.1	140.9	118.1	113.6	95.4	77.2	68.2	63.6	63.6	63.6
50°	186.3	149.9	122.7	100.0	86.3	77.2	59.1	50.0	45.4	45.4	45.4
52.5°	172.7	140.9	109.1	86.3	68.2	59.1	45.4	36.4	31.8	31.8	31.8
55°	154.5	127.2	95.4	72.7	59.1	45.4	31.8	22.7	18.2	18.2	18.2
57.5°	145.4	113.6	81.8	63.6	45.4	31.8	18.2	13.6	13.6	9.1	13.6
60°	131.8	100.0	68.2	50.0	36.4	22.7	13.6	4.5	4.5	4.5	4.5
62.5°	113.6	86.3	59.1	40.9	27.3	13.6	4.5	0.0	0.0	0.0	0.0
65°	95.4	68.2	45.4	31.8	18.2	4.5	0.0	0.0	0.0	0.0	0.0
67.5°	81.8	59.1	36.4	22.7	13.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	72.7	50.0	27.3	18.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	59.1	40.9	22.7	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	50.0	31.8	13.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	40.9	22.7	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	31.8	18.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	27.3	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	18.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.6	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: P599560
 CATALOG NUMBER: IFLD-M-SA4B-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8	6397.8
2.5°	5770.8	5743.5	5879.8	6102.5	6216.1	6438.7	6493.2	6634.1	6597.8	6647.7
5°	4775.6	4830.2	5030.1	5357.3	5475.4	5798.0	6102.5	6406.9	6602.3	6697.7
7.5°	3544.2	3726.0	3971.4	4271.3	4575.7	4998.3	5516.3	5870.7	6061.6	6266.1
10°	2640.0	2835.4	3117.1	3412.5	3907.8	4380.3	4898.3	5339.1	5502.7	5693.5
12.5°	2076.6	2381.0	2708.2	3026.2	3321.6	3771.4	4412.1	5052.8	5230.0	5375.4
15°	1445.0	1817.6	2285.6	2699.1	3112.6	3503.4	4166.8	4943.8	5184.6	5430.0
17.5°	799.7	1095.1	1631.3	2212.9	2821.8	3421.6	4248.6	5143.7	5507.2	5679.9
20°	463.5	581.6	963.3	1654.0	2458.3	3244.4	4289.5	5520.9	6002.5	6088.8
22.5°	381.7	422.6	545.3	1036.0	2013.0	3130.8	4498.5	6047.9	6538.7	6743.2
25°	327.2	359.0	422.6	622.5	1522.2	2889.9	4630.2	6706.8	7161.2	7383.9
27.5°	290.8	322.6	372.6	458.9	1036.0	2558.2	4848.4	7302.1	7756.5	8060.9
30°	254.5	281.7	331.7	390.8	717.9	2185.6	5034.7	7738.3	8379.0	8474.4
32.5°	227.2	249.9	286.3	336.2	531.6	1658.5	5184.6	8188.1	8728.9	8937.9
35°	195.4	222.7	245.4	286.3	404.4	1249.6	5093.7	8538.0	9242.3	9492.2
37.5°	172.7	190.8	213.6	240.8	340.8	976.9	4907.4	8956.0	9683.1	9914.8
40°	145.4	159.0	186.3	213.6	309.0	754.3	4693.9	9460.4	10301.0	10710.0
42.5°	122.7	136.3	154.5	199.9	254.5	558.9	4262.2	9851.2	10800.9	11146.2
45°	95.4	113.6	140.9	199.9	204.5	413.5	3816.9	10142.0	11082.6	11255.3
47.5°	72.7	90.9	136.3	172.7	163.6	286.3	3289.8	10473.7	11373.4	11532.4
50°	54.5	72.7	154.5	149.9	136.3	218.1	2958.1	10705.5	11391.6	11477.9
52.5°	36.4	54.5	127.2	113.6	113.6	190.8	2867.2	10696.4	11437.0	11250.7
55°	27.3	40.9	72.7	81.8	100.0	168.1	2785.4	11037.2	11450.7	11582.4
57.5°	18.2	31.8	50.0	63.6	86.3	145.4	2617.3	11446.1	11873.2	11941.4
60°	9.1	22.7	36.4	50.0	72.7	127.2	2381.0	11746.0	12386.7	12459.4
62.5°	4.5	13.6	27.3	40.9	59.1	100.0	2135.6	11268.9	12164.0	12291.3
65°	0.0	9.1	18.2	27.3	36.4	72.7	1735.8	10173.8	11282.5	11750.6
67.5°	0.0	0.0	9.1	18.2	22.7	54.5	1308.6	9255.9	10469.2	11105.3
70°	0.0	0.0	4.5	4.5	13.6	40.9	836.1	7665.6	9346.8	9696.7
72.5°	0.0	0.0	0.0	0.0	4.5	27.3	486.2	5693.5	7324.8	7974.6
75°	0.0	0.0	0.0	0.0	0.0	22.7	245.4	3662.4	5098.3	5970.7
77.5°	0.0	0.0	0.0	0.0	0.0	18.2	131.8	2362.8	3757.8	4489.4
80°	0.0	0.0	0.0	0.0	0.0	4.5	77.2	1372.3	2403.7	2912.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	31.8	672.5	1435.9	1681.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	9.1	359.0	717.9	945.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	50.0	95.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)