

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: P599562

Luminaire Tested: **IFLD-M-SA4D-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: P599562
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4D-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

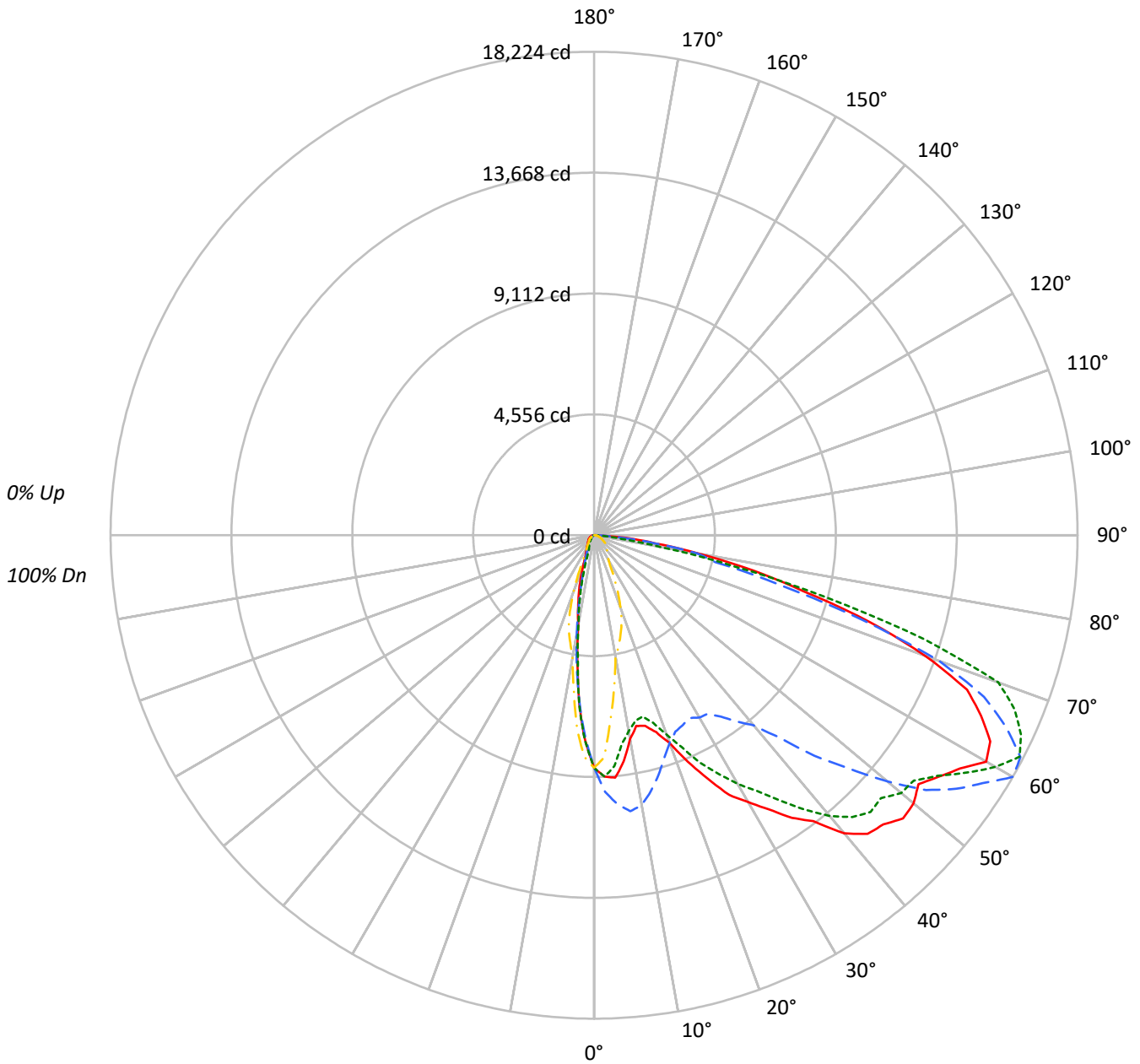
Lumens per Lamp: N/A
 Luminaire Lumens: 23307.1 lumens
 Efficiency: N/A
 Efficacy: 93.3 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

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	
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°	94327	94327	94327	94327
5°	99126	94352	68931	69335
10°	85238	81973	37688	36803
15°	82882	78790	24484	18449
20°	95534	91540	13118	6559
25°	120119	112358	8501	5101
30°	144272	134448	6884	4177
35°	170848	160297	5644	3353
40°	206130	194061	4985	2536
45°	234680	224448	4643	1705
50°	263271	253056	4587	1042
55°	297724	296673	4555	467
60°	367394	376104	4153	133
65°	409936	452103	3805	0
70°	418002	510261	3525	0
75°	340124	376360	3365	0
80°	247297	157410	3471	0
85°	159886	66111	4607	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.7	2.9
10°-20°	1305.5	5.6
20°-30°	1806.6	7.8
30°-40°	2553.2	11.0
40°-50°	3476.2	14.9
50°-60°	4604.0	19.8
60°-70°	5345.6	22.9
70°-80°	3027.2	13.0
80°-90°	523.1	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°	3777.8	16.2
0°-40°	6331.0	27.2
0°-60°	14411.2	61.8
0°-90°	23307.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23307.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8763	8763	8763	8763	8763	
5°	9174	8732	6380	6417	9174	824
15°	7438	7070	2197	1656	7438	2182
25°	10114	9460	716	430	10114	4717
35°	13002	12199	430	255	13002	8196
45°	15417	14744	305	112	15417	11952
55°	15865	15809	243	25	15865	14374
65°	16095	17751	149	0	16095	15690
75°	8178	9050	81	0	8178	8926
85°	1295	535	37	0	1295	1555
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°	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3
2.5°	9105.6	9298.6	9304.8	9391.9	9479.1	9479.1	9684.5	9634.7	9454.2	9423.0	9292.3
5°	9174.1	9242.6	9292.3	9734.2	10107.7	10070.3	10182.4	10107.7	9759.1	9311.0	9006.0
7.5°	8582.8	8657.5	8856.7	9609.8	10113.9	10281.9	10493.6	10026.8	9659.6	8850.4	8265.4
10°	7798.6	7941.7	8309.0	9167.9	9790.3	10325.5	10325.5	9952.1	9242.6	8452.1	7736.4
12.5°	7362.9	7649.2	7848.4	8719.7	9528.9	9896.1	9883.6	9684.5	9223.9	8228.0	7418.9
15°	7437.6	7518.5	7941.7	8620.2	9155.4	9136.7	9360.8	9298.6	8974.9	8427.2	7537.2
17.5°	7779.9	7904.4	8271.6	8620.2	8875.3	8800.7	8794.4	9093.2	9111.8	8763.3	7979.1
20°	8340.1	8707.3	8881.6	8987.4	8676.2	8358.8	8321.4	8738.4	9062.1	9192.8	8508.1
22.5°	9236.3	9479.1	9833.8	9292.3	8483.2	8084.9	8010.2	8470.8	9124.3	9703.1	9192.8
25°	10113.9	10300.6	10642.9	9945.9	8701.1	8028.9	7898.2	8296.5	9360.8	10412.7	10020.5
27.5°	11041.3	11203.1	11240.4	10425.1	8819.3	7916.9	7761.3	8296.5	9560.0	10786.1	11010.2
30°	11607.6	11800.6	11837.9	10848.3	9012.3	8010.2	7935.5	8333.9	9696.9	11103.5	11719.7
32.5°	12242.5	12292.3	12261.2	10923.0	9223.9	8284.1	7972.9	8582.8	9852.5	11483.2	12367.0
35°	13001.8	13088.9	12771.5	11265.3	9696.9	8458.3	8346.3	8887.8	10120.1	11657.4	13151.2
37.5°	13580.6	13854.5	13138.7	11396.0	9790.3	8825.5	8844.2	9522.6	10306.8	11869.1	14016.3
40°	14669.8	14209.3	13761.1	11844.2	10145.0	9447.9	9348.4	10176.1	10935.5	12006.0	14582.7
42.5°	15267.3	15024.6	14003.9	11887.7	10692.7	10306.8	10331.7	10916.8	11265.3	12391.9	14738.3
45°	15416.7	15161.5	14333.7	11918.8	11234.2	11321.3	11750.8	11862.8	11750.8	12647.0	15030.8
47.5°	15796.4	15242.4	14296.4	12335.9	12111.8	12447.9	12995.6	13238.3	12410.5	12553.7	15167.7
50°	15721.7	15404.3	14215.5	12510.1	13182.3	14072.3	14439.5	14340.0	13145.0	12360.7	15018.4
52.5°	15410.5	15068.2	14464.4	12983.1	14184.4	15261.1	15771.5	15522.5	13798.5	12796.4	14918.8
55°	15864.8	15603.4	14788.1	13624.2	14937.5	16306.7	16667.7	16481.0	14601.4	13201.0	15485.2
57.5°	16356.5	16300.5	15665.7	14377.3	15827.5	17383.5	17383.5	17153.2	15298.4	13786.0	16325.4
60°	17066.0	17190.5	16312.9	14875.2	16132.5	17321.2	18223.7	17956.1	16001.8	14813.0	17277.7
62.5°	16835.8	17234.1	17147.0	15945.7	16481.0	17626.2	18117.9	18317.1	16873.1	16064.0	18547.3
65°	16095.1	16518.3	17140.7	16649.0	16219.6	16885.6	17134.5	17738.2	17308.8	17240.3	19070.2
67.5°	15211.3	15671.9	16057.8	17122.1	15690.6	16132.5	15914.6	16107.6	16835.8	18528.7	19368.9
70°	13281.9	13723.8	14333.7	16070.2	14290.2	13891.8	13835.8	13742.5	14875.2	18068.1	18012.1
72.5°	10923.0	11128.4	12136.7	13064.1	10574.5	10499.8	10586.9	10481.1	11794.4	16356.5	15429.1
75°	8178.3	8383.6	8956.3	10033.0	7201.1	6771.6	7269.6	7761.3	9006.0	12696.8	11084.8
77.5°	6149.3	6410.7	6771.6	7506.1	5284.1	4611.9	4680.4	5147.2	6510.2	10169.9	6211.5
80°	3989.5	3958.4	4655.5	5165.9	3977.1	4101.6	3927.3	4269.6	4717.7	5439.7	3174.2
82.5°	2302.9	2334.0	2626.5	2962.6	2769.7	3168.0	2284.2	3815.3	3367.2	2215.7	1182.5
85°	1294.6	1350.6	1618.2	2053.9	1736.5	1163.9	952.3	1892.1	2116.1	908.7	572.6
87.5°	130.7	112.0	217.8	778.0	473.0	192.9	286.3	454.3	510.4	342.3	168.0
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°	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3
2.5°	9105.6	9105.6	8950.0	8688.6	8582.8	8396.1	8140.9	8221.8	8134.7	7817.3	7736.4
5°	8732.2	8433.4	8109.8	7711.5	7481.2	7008.2	6858.8	6591.2	6634.7	6367.1	6379.5
7.5°	7954.2	7717.7	7170.0	6647.2	6192.8	5782.0	5203.2	4985.4	4773.8	4668.0	4792.4
10°	7499.8	7057.9	6311.1	5626.4	5022.7	4655.5	4269.6	3970.9	3697.0	3491.6	3448.1
12.5°	7170.0	6777.9	5875.4	5041.4	4568.4	4269.6	3914.9	3504.1	3236.4	2881.7	2775.9
15°	7070.4	6591.2	5638.9	4811.1	4350.5	3858.8	3454.3	3049.7	2701.2	2327.8	2197.1
17.5°	7412.7	6858.8	5632.7	4624.4	3977.1	3448.1	2887.9	2433.6	2078.8	1736.5	1655.6
20°	7991.5	7145.1	5813.2	4512.4	3622.3	2912.8	2278.0	1823.6	1425.3	1201.2	1145.2
22.5°	8651.3	7630.6	5831.8	4213.6	3267.6	2377.5	1661.8	1201.2	977.2	871.4	840.2
25°	9460.4	8408.5	6055.9	3970.9	2850.6	1804.9	1182.5	921.1	790.4	728.2	715.8
27.5°	10126.4	8950.0	6298.6	3715.7	2439.8	1338.1	927.4	753.1	684.6	622.4	616.2
30°	10817.2	9572.4	6367.1	3560.1	2085.0	1101.6	796.7	666.0	591.3	560.2	553.9
32.5°	11420.9	10250.8	6584.9	3304.9	1748.9	970.9	722.0	597.5	547.7	497.9	491.7
35°	12198.9	10642.9	6690.7	3168.0	1624.4	877.6	659.7	547.7	473.0	441.9	429.5
37.5°	13032.9	11022.6	6759.2	3062.2	1518.6	821.6	622.4	516.6	448.1	404.6	392.1
40°	13810.9	11557.9	6659.6	2931.5	1437.7	753.1	597.5	479.2	417.0	373.4	354.8
42.5°	14408.4	12080.7	6628.5	2807.0	1350.6	728.2	566.4	460.6	392.1	342.3	336.1
45°	14744.5	12435.4	6410.7	2707.4	1282.1	740.6	553.9	435.7	373.4	329.9	305.0
47.5°	14663.6	12709.3	6466.7	2676.3	1188.8	690.9	547.7	417.0	342.3	305.0	286.3
50°	15111.7	13263.2	6373.3	2576.7	1120.3	622.4	597.5	417.0	336.1	292.5	273.9
52.5°	15186.4	13767.4	6572.5	2396.2	1014.5	572.6	591.3	410.8	323.6	280.1	255.2
55°	15808.8	14352.4	6958.4	2296.6	927.4	497.9	541.5	398.3	292.5	255.2	242.7
57.5°	16655.3	15566.1	7207.3	2203.3	809.1	435.7	454.3	392.1	267.6	236.5	217.8
60°	17470.6	16051.5	7226.0	2035.2	697.1	392.1	354.8	392.1	249.0	211.6	192.9
62.5°	18080.5	16051.5	7101.5	1892.1	609.9	348.5	311.2	373.4	224.1	186.7	174.3
65°	17750.7	15622.1	6777.9	1773.8	553.9	305.0	267.6	286.3	199.2	161.8	149.4
67.5°	17159.4	14283.9	6062.1	1630.7	547.7	267.6	230.3	211.6	174.3	143.2	130.7
70°	16213.4	12479.0	5047.6	1468.8	535.3	242.7	205.4	180.5	155.6	124.5	112.0
72.5°	13064.1	10306.8	4145.1	1375.5	522.8	211.6	174.3	155.6	130.7	105.8	93.4
75°	9049.6	6584.9	3192.9	1176.3	510.4	192.9	161.8	136.9	112.0	87.1	80.9
77.5°	5427.3	4400.3	2060.1	883.8	336.1	155.6	136.9	105.8	93.4	74.7	68.5
80°	2539.4	2078.8	834.0	342.3	161.8	112.0	93.4	80.9	74.7	62.2	56.0
82.5°	995.8	877.6	404.6	199.2	130.7	87.1	74.7	68.5	62.2	49.8	43.6
85°	535.3	473.0	192.9	136.9	93.4	62.2	62.2	56.0	49.8	43.6	37.3
87.5°	118.3	87.1	80.9	80.9	68.5	49.8	49.8	43.6	37.3	31.1	24.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3
2.5°	7692.8	7786.1	7636.8	7730.1	7599.4	7699.0	7711.5	7618.1	7643.0	7767.5	7823.5
5°	6553.8	6491.6	6354.6	6311.1	6317.3	6236.4	6267.5	6311.1	6379.5	6416.9	6528.9
7.5°	4724.0	4867.1	4860.9	4966.7	4972.9	4960.5	4873.3	4686.6	4748.9	4699.1	4761.3
10°	3379.6	3441.8	3560.1	3628.6	3753.0	3684.6	3485.4	3410.7	3373.4	3367.2	3429.4
12.5°	2701.2	2551.8	2539.4	2564.3	2626.5	2545.6	2446.0	2358.9	2402.4	2489.6	2558.0
15°	2091.2	1966.8	1804.9	1780.0	1792.5	1755.2	1649.3	1537.3	1568.4	1655.6	1705.4
17.5°	1605.8	1462.6	1350.6	1275.9	1251.0	1120.3	964.7	871.4	846.5	840.2	883.8
20°	1083.0	1058.1	1039.4	946.0	946.0	759.3	628.6	560.2	560.2	572.6	578.8
22.5°	809.1	778.0	784.2	765.5	715.8	566.4	497.9	479.2	479.2	491.7	491.7
25°	703.3	659.7	647.3	641.1	591.3	485.5	435.7	417.0	417.0	429.5	429.5
27.5°	597.5	585.1	566.4	541.5	497.9	417.0	385.9	367.2	373.4	379.7	373.4
30°	547.7	516.6	491.7	491.7	441.9	373.4	348.5	336.1	323.6	336.1	342.3
32.5°	485.5	466.8	454.3	435.7	379.7	329.9	305.0	292.5	286.3	286.3	292.5
35°	417.0	417.0	404.6	379.7	329.9	298.7	267.6	255.2	249.0	255.2	255.2
37.5°	373.4	354.8	361.0	336.1	292.5	261.4	230.3	217.8	217.8	211.6	217.8
40°	348.5	317.4	298.7	286.3	261.4	224.1	199.2	186.7	180.5	180.5	180.5
42.5°	311.2	286.3	249.0	242.7	236.5	192.9	161.8	155.6	149.4	143.2	143.2
45°	292.5	255.2	224.1	192.9	192.9	161.8	136.9	124.5	118.3	112.0	118.3
47.5°	267.6	230.3	192.9	161.8	155.6	130.7	105.8	93.4	87.1	87.1	87.1
50°	255.2	205.4	168.0	136.9	118.3	105.8	80.9	68.5	62.2	62.2	62.2
52.5°	236.5	192.9	149.4	118.3	93.4	80.9	62.2	49.8	43.6	43.6	43.6
55°	211.6	174.3	130.7	99.6	80.9	62.2	43.6	31.1	24.9	24.9	24.9
57.5°	199.2	155.6	112.0	87.1	62.2	43.6	24.9	18.7	18.7	12.4	18.7
60°	180.5	136.9	93.4	68.5	49.8	31.1	18.7	6.2	6.2	6.2	6.2
62.5°	155.6	118.3	80.9	56.0	37.3	18.7	6.2	0.0	0.0	0.0	0.0
65°	130.7	93.4	62.2	43.6	24.9	6.2	0.0	0.0	0.0	0.0	0.0
67.5°	112.0	80.9	49.8	31.1	18.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	99.6	68.5	37.3	24.9	6.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	80.9	56.0	31.1	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	68.5	43.6	18.7	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	56.0	31.1	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	43.6	24.9	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	37.3	18.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.9	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.7	6.2	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: P599562
 CATALOG NUMBER: IFLD-M-SA4D-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3	8763.3
2.5°	7904.4	7867.1	8053.8	8358.8	8514.4	8819.3	8894.0	9087.0	9037.2	9105.6
5°	6541.4	6616.0	6889.9	7338.0	7499.8	7941.7	8358.8	8775.8	9043.4	9174.1
7.5°	4854.7	5103.6	5439.7	5850.5	6267.5	6846.3	7555.9	8041.3	8302.7	8582.8
10°	3616.1	3883.7	4269.6	4674.2	5352.6	5999.9	6709.4	7313.1	7537.2	7798.6
12.5°	2844.3	3261.3	3709.5	4145.1	4549.7	5165.9	6043.4	6921.0	7163.8	7362.9
15°	1979.2	2489.6	3130.6	3697.0	4263.4	4798.7	5707.4	6771.6	7101.5	7437.6
17.5°	1095.4	1500.0	2234.4	3031.1	3865.1	4686.6	5819.4	7045.5	7543.4	7779.9
20°	634.8	796.7	1319.5	2265.5	3367.2	4443.9	5875.4	7562.1	8221.8	8340.1
22.5°	522.8	578.8	746.9	1419.1	2757.2	4288.3	6161.7	8284.1	8956.3	9236.3
25°	448.1	491.7	578.8	852.7	2085.0	3958.4	6342.2	9186.5	9808.9	10113.9
27.5°	398.3	441.9	510.4	628.6	1419.1	3504.1	6640.9	10001.9	10624.3	11041.3
30°	348.5	385.9	454.3	535.3	983.4	2993.7	6896.1	10599.4	11476.9	11607.6
32.5°	311.2	342.3	392.1	460.6	728.2	2271.7	7101.5	11215.5	11956.2	12242.5
35°	267.6	305.0	336.1	392.1	553.9	1711.6	6977.0	11694.8	12659.5	13001.8
37.5°	236.5	261.4	292.5	329.9	466.8	1338.1	6721.9	12267.4	13263.2	13580.6
40°	199.2	217.8	255.2	292.5	423.2	1033.2	6429.3	12958.2	14109.7	14669.8
42.5°	168.0	186.7	211.6	273.9	348.5	765.5	5838.1	13493.5	14794.3	15267.3
45°	130.7	155.6	192.9	273.9	280.1	566.4	5228.1	13891.8	15180.2	15416.7
47.5°	99.6	124.5	186.7	236.5	224.1	392.1	4506.1	14346.2	15578.5	15796.4
50°	74.7	99.6	211.6	205.4	186.7	298.7	4051.8	14663.6	15603.4	15721.7
52.5°	49.8	74.7	174.3	155.6	155.6	261.4	3927.3	14651.2	15665.7	15410.5
55°	37.3	56.0	99.6	112.0	136.9	230.3	3815.3	15118.0	15684.3	15864.8
57.5°	24.9	43.6	68.5	87.1	118.3	199.2	3585.0	15678.1	16263.2	16356.5
60°	12.4	31.1	49.8	68.5	99.6	174.3	3261.3	16088.9	16966.5	17066.0
62.5°	6.2	18.7	37.3	56.0	80.9	136.9	2925.3	15435.4	16661.5	16835.8
65°	0.0	12.4	24.9	37.3	49.8	99.6	2377.5	13935.4	15454.0	16095.1
67.5°	0.0	0.0	12.4	24.9	31.1	74.7	1792.5	12678.2	14340.0	15211.3
70°	0.0	0.0	6.2	6.2	18.7	56.0	1145.2	10499.8	12802.6	13281.9
72.5°	0.0	0.0	0.0	0.0	6.2	37.3	666.0	7798.6	10033.0	10923.0
75°	0.0	0.0	0.0	0.0	0.0	31.1	336.1	5016.5	6983.3	8178.3
77.5°	0.0	0.0	0.0	0.0	0.0	24.9	180.5	3236.4	5147.2	6149.3
80°	0.0	0.0	0.0	0.0	0.0	6.2	105.8	1879.6	3292.5	3989.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	43.6	921.1	1966.8	2302.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	12.4	491.7	983.4	1294.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	68.5	130.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)