

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: P599489

Luminaire Tested: **IFLD-S-SA2D-740-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: P599489
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2D-740-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (32) 4000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

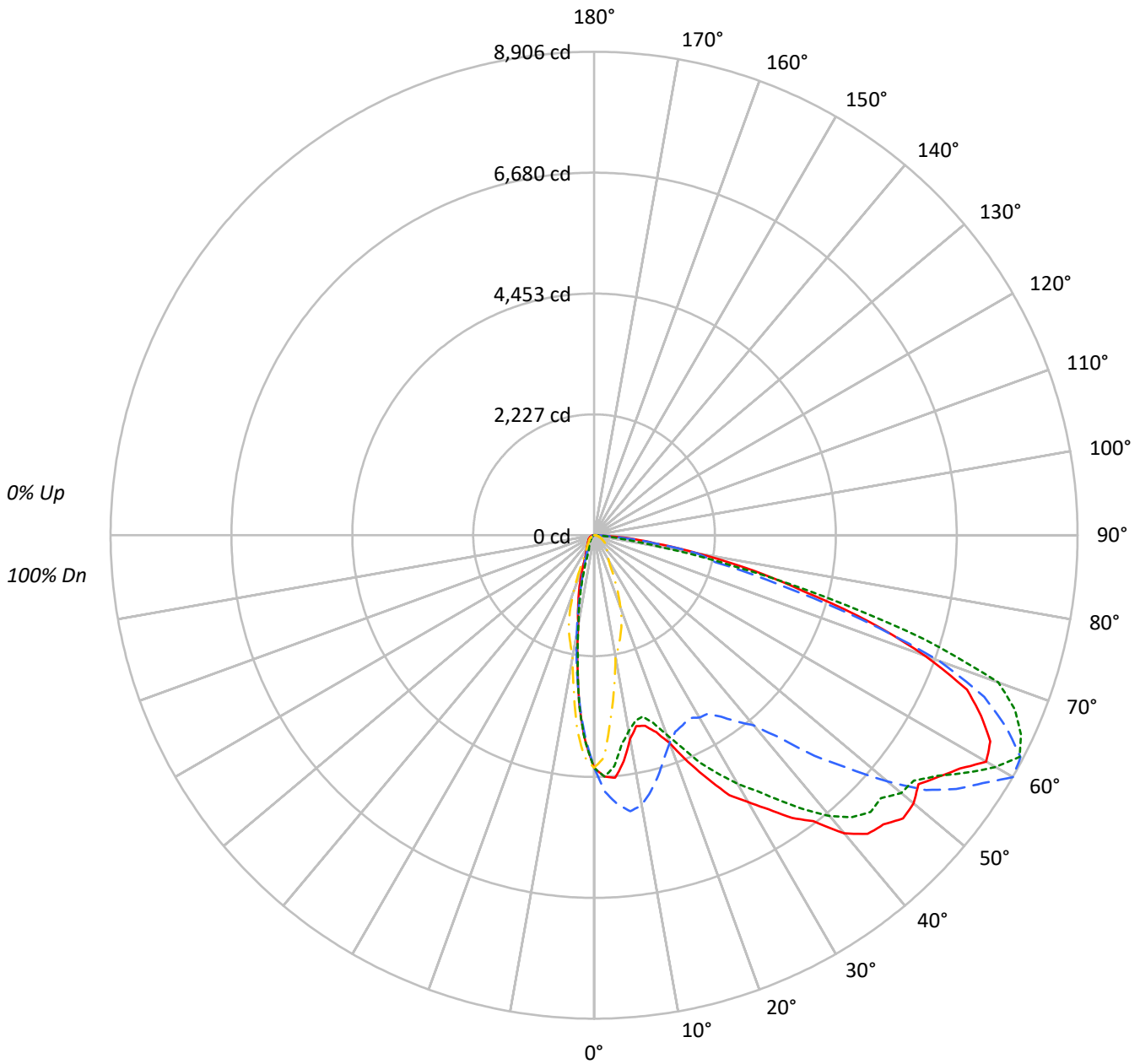
Lumens per Lamp: N/A
 Luminaire Lumens: 11390.9 lumens
 Efficiency: N/A
 Efficacy: 91.9 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 123.9
 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	100	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	79	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61	61	61	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	48	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39	39	39	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	32	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27	27	27	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	23	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20	20	20	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	92202	92202	92202	92202
5°	96893	92225	67378	67771
10°	83317	80125	36838	35973
15°	81014	77014	23932	18033
20°	93379	89477	12822	6410
25°	117413	109826	8309	4986
30°	141021	131418	6729	4084
35°	166998	156685	5516	3277
40°	201484	189687	4873	2479
45°	229391	219389	4536	1668
50°	257338	247354	4481	1018
55°	291013	289985	4451	458
60°	359114	367626	4060	129
65°	400698	441913	3719	0
70°	408583	498762	3449	0
75°	332459	367876	3285	0
80°	241724	153864	3397	0
85°	156280	64616	4520	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.4	2.9
10°-20°	638.0	5.6
20°-30°	882.9	7.8
30°-40°	1247.8	11.0
40°-50°	1698.9	14.9
50°-60°	2250.1	19.8
60°-70°	2612.5	22.9
70°-80°	1479.5	13.0
80°-90°	255.6	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°	1846.3	16.2
0°-40°	3094.2	27.2
0°-60°	7043.2	61.8
0°-90°	11390.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11390.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4283	4283	4283	4283	4283	
5°	4484	4268	3118	3136	4484	403
15°	3635	3456	1074	809	3635	1066
25°	4943	4624	350	210	4943	2305
35°	6354	5962	210	125	6354	4006
45°	7535	7206	149	55	7535	5842
55°	7754	7726	119	12	7754	7025
65°	7866	8675	73	0	7866	7668
75°	3997	4423	40	0	3997	4362
85°	633	262	18	0	633	760
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°	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9
2.5°	4450.2	4544.5	4547.5	4590.1	4632.7	4632.7	4733.1	4708.7	4620.5	4605.3	4541.4
5°	4483.7	4517.1	4541.4	4757.4	4939.9	4921.7	4976.4	4939.9	4769.6	4550.6	4401.5
7.5°	4194.7	4231.2	4328.5	4696.6	4943.0	5025.1	5128.5	4900.4	4720.9	4325.5	4039.5
10°	3811.4	3881.4	4060.8	4480.6	4784.8	5046.4	5046.4	4863.9	4517.1	4130.8	3781.0
12.5°	3598.5	3738.4	3835.7	4261.6	4657.0	4836.5	4830.4	4733.1	4508.0	4021.3	3625.9
15°	3635.0	3674.5	3881.4	4212.9	4474.5	4465.4	4574.9	4544.5	4386.3	4118.6	3683.7
17.5°	3802.3	3863.1	4042.6	4212.9	4337.6	4301.1	4298.1	4444.1	4453.2	4282.9	3899.6
20°	4076.0	4255.5	4340.7	4392.4	4240.3	4085.2	4066.9	4270.7	4428.9	4492.8	4158.2
22.5°	4514.1	4632.7	4806.1	4541.4	4146.0	3951.3	3914.8	4139.9	4459.3	4742.2	4492.8
25°	4943.0	5034.2	5201.5	4860.8	4252.5	3924.0	3860.1	4054.8	4574.9	5089.0	4897.3
27.5°	5396.2	5475.3	5493.5	5095.1	4310.3	3869.2	3793.2	4054.8	4672.2	5271.5	5381.0
30°	5673.0	5767.3	5785.6	5301.9	4404.6	3914.8	3878.3	4073.0	4739.2	5426.6	5727.8
32.5°	5983.3	6007.6	5992.4	5338.4	4508.0	4048.7	3896.6	4194.7	4815.2	5612.2	6044.1
35°	6354.4	6397.0	6241.8	5505.7	4739.2	4133.8	4079.1	4343.7	4946.0	5697.3	6427.4
37.5°	6637.3	6771.1	6421.3	5569.6	4784.8	4313.3	4322.4	4654.0	5037.3	5800.8	6850.2
40°	7169.6	6944.5	6725.5	5788.6	4958.2	4617.5	4568.8	4973.4	5344.5	5867.7	7127.0
42.5°	7461.6	7343.0	6844.1	5809.9	5225.9	5037.3	5049.4	5335.4	5505.7	6056.3	7203.0
45°	7534.6	7409.9	7005.3	5825.1	5490.5	5533.1	5743.0	5797.7	5743.0	6181.0	7346.0
47.5°	7720.2	7449.4	6987.1	6028.9	5919.4	6083.7	6351.3	6470.0	6065.4	6135.4	7412.9
50°	7683.7	7528.5	6947.5	6114.1	6442.6	6877.6	7057.0	7008.4	6424.3	6041.1	7339.9
52.5°	7531.6	7364.3	7069.2	6345.3	6932.3	7458.6	7708.0	7586.3	6743.7	6254.0	7291.3
55°	7753.6	7625.9	7227.4	6658.6	7300.4	7969.6	8146.0	8054.8	7136.1	6451.7	7568.1
57.5°	7993.9	7966.5	7656.3	7026.6	7735.4	8495.8	8495.8	8383.3	7476.8	6737.6	7978.7
60°	8340.7	8401.5	7972.6	7270.0	7884.4	8465.4	8906.5	8775.7	7820.5	7239.5	8444.1
62.5°	8228.1	8422.8	8380.2	7793.2	8054.8	8614.5	8854.8	8952.1	8246.4	7851.0	9064.6
65°	7866.2	8073.0	8377.2	8136.9	7927.0	8252.5	8374.1	8669.2	8459.3	8425.9	9320.2
67.5°	7434.2	7659.3	7847.9	8368.1	7668.4	7884.4	7778.0	7872.2	8228.1	9055.5	9466.2
70°	6491.3	6707.2	7005.3	7854.0	6984.0	6789.4	6762.0	6716.4	7270.0	8830.4	8803.0
72.5°	5338.4	5438.8	5931.6	6384.8	5168.1	5131.6	5174.1	5122.4	5764.3	7993.9	7540.7
75°	3997.0	4097.3	4377.2	4903.4	3519.4	3309.5	3552.9	3793.2	4401.5	6205.3	5417.5
77.5°	3005.3	3133.1	3309.5	3668.4	2582.5	2254.0	2287.5	2515.6	3181.8	4970.3	3035.7
80°	1949.8	1934.6	2275.3	2524.7	1943.7	2004.6	1919.4	2086.7	2305.7	2658.6	1551.3
82.5°	1125.5	1140.7	1283.7	1447.9	1353.6	1548.3	1116.4	1864.6	1645.6	1082.9	577.9
85°	632.7	660.1	790.9	1003.8	848.7	568.8	465.4	924.7	1034.2	444.1	279.8
87.5°	63.9	54.8	106.5	380.2	231.2	94.3	139.9	222.1	249.4	167.3	82.1
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°	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9
2.5°	4450.2	4450.2	4374.1	4246.4	4194.7	4103.4	3978.7	4018.3	3975.7	3820.5	3781.0
5°	4267.7	4121.7	3963.5	3768.8	3656.3	3425.1	3352.1	3221.3	3242.6	3111.8	3117.9
7.5°	3887.5	3771.9	3504.2	3248.7	3026.6	2825.9	2543.0	2436.5	2333.1	2281.4	2342.2
10°	3665.4	3449.4	3084.4	2749.8	2454.8	2275.3	2086.7	1940.7	1806.8	1706.5	1685.2
12.5°	3504.2	3312.5	2871.5	2463.9	2232.7	2086.7	1913.3	1712.5	1581.8	1408.4	1356.7
15°	3455.5	3221.3	2755.9	2351.3	2126.2	1885.9	1688.2	1490.5	1320.2	1137.6	1073.8
17.5°	3622.8	3352.1	2752.9	2260.1	1943.7	1685.2	1411.4	1189.4	1016.0	848.7	809.1
20°	3905.7	3492.0	2841.1	2205.3	1770.3	1423.6	1113.3	891.3	696.6	587.1	559.7
22.5°	4228.1	3729.3	2850.2	2059.3	1597.0	1162.0	812.2	587.1	477.6	425.9	410.6
25°	4623.6	4109.5	2959.7	1940.7	1393.2	882.1	577.9	450.2	386.3	355.9	349.8
27.5°	4949.1	4374.1	3078.3	1816.0	1192.4	654.0	453.2	368.1	334.6	304.2	301.1
30°	5286.7	4678.3	3111.8	1739.9	1019.0	538.4	389.4	325.5	289.0	273.8	270.7
32.5°	5581.8	5009.9	3218.3	1615.2	854.8	474.5	352.9	292.0	267.7	243.3	240.3
35°	5962.0	5201.5	3270.0	1548.3	793.9	428.9	322.4	267.7	231.2	216.0	209.9
37.5°	6369.6	5387.1	3303.4	1496.6	742.2	401.5	304.2	252.5	219.0	197.7	191.6
40°	6749.8	5648.7	3254.8	1432.7	702.7	368.1	292.0	234.2	203.8	182.5	173.4
42.5°	7041.8	5904.2	3239.5	1371.9	660.1	355.9	276.8	225.1	191.6	167.3	164.3
45°	7206.1	6077.6	3133.1	1323.2	626.6	362.0	270.7	212.9	182.5	161.2	149.0
47.5°	7166.5	6211.4	3160.5	1308.0	581.0	337.6	267.7	203.8	167.3	149.0	139.9
50°	7385.6	6482.1	3114.8	1259.3	547.5	304.2	292.0	203.8	164.3	143.0	133.8
52.5°	7422.1	6728.5	3212.2	1171.1	495.8	279.8	289.0	200.8	158.2	136.9	124.7
55°	7726.2	7014.5	3400.8	1122.4	453.2	243.3	264.6	194.7	143.0	124.7	118.6
57.5°	8139.9	7607.6	3522.4	1076.8	395.4	212.9	222.1	191.6	130.8	115.6	106.5
60°	8538.4	7844.9	3531.6	994.7	340.7	191.6	173.4	191.6	121.7	103.4	94.3
62.5°	8836.5	7844.9	3470.7	924.7	298.1	170.3	152.1	182.5	109.5	91.3	85.2
65°	8675.3	7635.0	3312.5	866.9	270.7	149.0	130.8	139.9	97.3	79.1	73.0
67.5°	8386.3	6981.0	2962.7	797.0	267.7	130.8	112.5	103.4	85.2	70.0	63.9
70°	7924.0	6098.9	2466.9	717.9	261.6	118.6	100.4	88.2	76.0	60.8	54.8
72.5°	6384.8	5037.3	2025.9	672.2	255.5	103.4	85.2	76.0	63.9	51.7	45.6
75°	4422.8	3218.3	1560.5	574.9	249.4	94.3	79.1	66.9	54.8	42.6	39.5
77.5°	2652.5	2150.6	1006.8	431.9	164.3	76.0	66.9	51.7	45.6	36.5	33.5
80°	1241.1	1016.0	407.6	167.3	79.1	54.8	45.6	39.5	36.5	30.4	27.4
82.5°	486.7	428.9	197.7	97.3	63.9	42.6	36.5	33.5	30.4	24.3	21.3
85°	261.6	231.2	94.3	66.9	45.6	30.4	30.4	27.4	24.3	21.3	18.3
87.5°	57.8	42.6	39.5	39.5	33.5	24.3	24.3	21.3	18.3	15.2	12.2
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°	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9
2.5°	3759.7	3805.3	3732.3	3777.9	3714.1	3762.7	3768.8	3723.2	3735.4	3796.2	3823.6
5°	3203.0	3172.6	3105.7	3084.4	3087.5	3047.9	3063.1	3084.4	3117.9	3136.1	3190.9
7.5°	2308.7	2378.7	2375.7	2427.4	2430.4	2424.3	2381.8	2290.5	2320.9	2296.6	2327.0
10°	1651.7	1682.1	1739.9	1773.4	1834.2	1800.8	1703.4	1666.9	1648.7	1645.6	1676.0
12.5°	1320.2	1247.1	1241.1	1253.2	1283.7	1244.1	1195.4	1152.9	1174.1	1216.7	1250.2
15°	1022.1	961.2	882.1	870.0	876.0	857.8	806.1	751.3	766.5	809.1	833.5
17.5°	784.8	714.8	660.1	623.6	611.4	547.5	471.5	425.9	413.7	410.6	431.9
20°	529.3	517.1	508.0	462.4	462.4	371.1	307.2	273.8	273.8	279.8	282.9
22.5°	395.4	380.2	383.3	374.1	349.8	276.8	243.3	234.2	234.2	240.3	240.3
25°	343.7	322.4	316.4	313.3	289.0	237.3	212.9	203.8	203.8	209.9	209.9
27.5°	292.0	285.9	276.8	264.6	243.3	203.8	188.6	179.5	182.5	185.6	182.5
30°	267.7	252.5	240.3	240.3	216.0	182.5	170.3	164.3	158.2	164.3	167.3
32.5°	237.3	228.1	222.1	212.9	185.6	161.2	149.0	143.0	139.9	139.9	143.0
35°	203.8	203.8	197.7	185.6	161.2	146.0	130.8	124.7	121.7	124.7	124.7
37.5°	182.5	173.4	176.4	164.3	143.0	127.8	112.5	106.5	106.5	103.4	106.5
40°	170.3	155.1	146.0	139.9	127.8	109.5	97.3	91.3	88.2	88.2	88.2
42.5°	152.1	139.9	121.7	118.6	115.6	94.3	79.1	76.0	73.0	70.0	70.0
45°	143.0	124.7	109.5	94.3	94.3	79.1	66.9	60.8	57.8	54.8	57.8
47.5°	130.8	112.5	94.3	79.1	76.0	63.9	51.7	45.6	42.6	42.6	42.6
50°	124.7	100.4	82.1	66.9	57.8	51.7	39.5	33.5	30.4	30.4	30.4
52.5°	115.6	94.3	73.0	57.8	45.6	39.5	30.4	24.3	21.3	21.3	21.3
55°	103.4	85.2	63.9	48.7	39.5	30.4	21.3	15.2	12.2	12.2	12.2
57.5°	97.3	76.0	54.8	42.6	30.4	21.3	12.2	9.1	9.1	6.1	9.1
60°	88.2	66.9	45.6	33.5	24.3	15.2	9.1	3.0	3.0	3.0	3.0
62.5°	76.0	57.8	39.5	27.4	18.3	9.1	3.0	0.0	0.0	0.0	0.0
65°	63.9	45.6	30.4	21.3	12.2	3.0	0.0	0.0	0.0	0.0	0.0
67.5°	54.8	39.5	24.3	15.2	9.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	48.7	33.5	18.3	12.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	39.5	27.4	15.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	33.5	21.3	9.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	27.4	15.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	21.3	12.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.3	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.1	3.0	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: P599489
 CATALOG NUMBER: IFLD-S-SA2D-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9	4282.9
2.5°	3863.1	3844.9	3936.1	4085.2	4161.2	4310.3	4346.8	4441.1	4416.7	4450.2
5°	3197.0	3233.5	3367.3	3586.3	3665.4	3881.4	4085.2	4289.0	4419.8	4483.7
7.5°	2372.6	2494.3	2658.6	2859.3	3063.1	3346.0	3692.8	3930.0	4057.8	4194.7
10°	1767.3	1898.1	2086.7	2284.4	2616.0	2932.3	3279.1	3574.1	3683.7	3811.4
12.5°	1390.1	1593.9	1812.9	2025.9	2223.6	2524.7	2953.6	3382.5	3501.1	3598.5
15°	967.3	1216.7	1530.0	1806.8	2083.7	2345.2	2789.4	3309.5	3470.7	3635.0
17.5°	535.4	733.1	1092.0	1481.4	1889.0	2290.5	2844.1	3443.3	3686.7	3802.3
20°	310.3	389.4	644.9	1107.2	1645.6	2171.9	2871.5	3695.8	4018.3	4076.0
22.5°	255.5	282.9	365.0	693.5	1347.5	2095.8	3011.4	4048.7	4377.2	4514.1
25°	219.0	240.3	282.9	416.7	1019.0	1934.6	3099.6	4489.7	4793.9	4943.0
27.5°	194.7	216.0	249.4	307.2	693.5	1712.5	3245.6	4888.2	5192.4	5396.2
30°	170.3	188.6	222.1	261.6	480.6	1463.1	3370.3	5180.2	5609.1	5673.0
32.5°	152.1	167.3	191.6	225.1	355.9	1110.3	3470.7	5481.4	5843.3	5983.3
35°	130.8	149.0	164.3	191.6	270.7	836.5	3409.9	5715.6	6187.1	6354.4
37.5°	115.6	127.8	143.0	161.2	228.1	654.0	3285.2	5995.4	6482.1	6637.3
40°	97.3	106.5	124.7	143.0	206.8	504.9	3142.2	6333.1	6895.8	7169.6
42.5°	82.1	91.3	103.4	133.8	170.3	374.1	2853.2	6594.7	7230.4	7461.6
45°	63.9	76.0	94.3	133.8	136.9	276.8	2555.1	6789.4	7419.0	7534.6
47.5°	48.7	60.8	91.3	115.6	109.5	191.6	2202.3	7011.4	7613.7	7720.2
50°	36.5	48.7	103.4	100.4	91.3	146.0	1980.2	7166.5	7625.9	7683.7
52.5°	24.3	36.5	85.2	76.0	76.0	127.8	1919.4	7160.5	7656.3	7531.6
55°	18.3	27.4	48.7	54.8	66.9	112.5	1864.6	7388.6	7665.4	7753.6
57.5°	12.2	21.3	33.5	42.6	57.8	97.3	1752.1	7662.4	7948.3	7993.9
60°	6.1	15.2	24.3	33.5	48.7	85.2	1593.9	7863.1	8292.0	8340.7
62.5°	3.0	9.1	18.3	27.4	39.5	66.9	1429.7	7543.7	8143.0	8228.1
65°	0.0	6.1	12.2	18.3	24.3	48.7	1162.0	6810.7	7552.9	7866.2
67.5°	0.0	0.0	6.1	12.2	15.2	36.5	876.0	6196.2	7008.4	7434.2
70°	0.0	0.0	3.0	3.0	9.1	27.4	559.7	5131.6	6257.0	6491.3
72.5°	0.0	0.0	0.0	0.0	3.0	18.3	325.5	3811.4	4903.4	5338.4
75°	0.0	0.0	0.0	0.0	0.0	15.2	164.3	2451.7	3412.9	3997.0
77.5°	0.0	0.0	0.0	0.0	0.0	12.2	88.2	1581.8	2515.6	3005.3
80°	0.0	0.0	0.0	0.0	0.0	3.0	51.7	918.6	1609.1	1949.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	21.3	450.2	961.2	1125.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.1	240.3	480.6	632.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	33.5	63.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)