

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: P599491

Luminaire Tested: **IFLD-S-SA3A-740-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P599491
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3A-740-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (48) 4000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

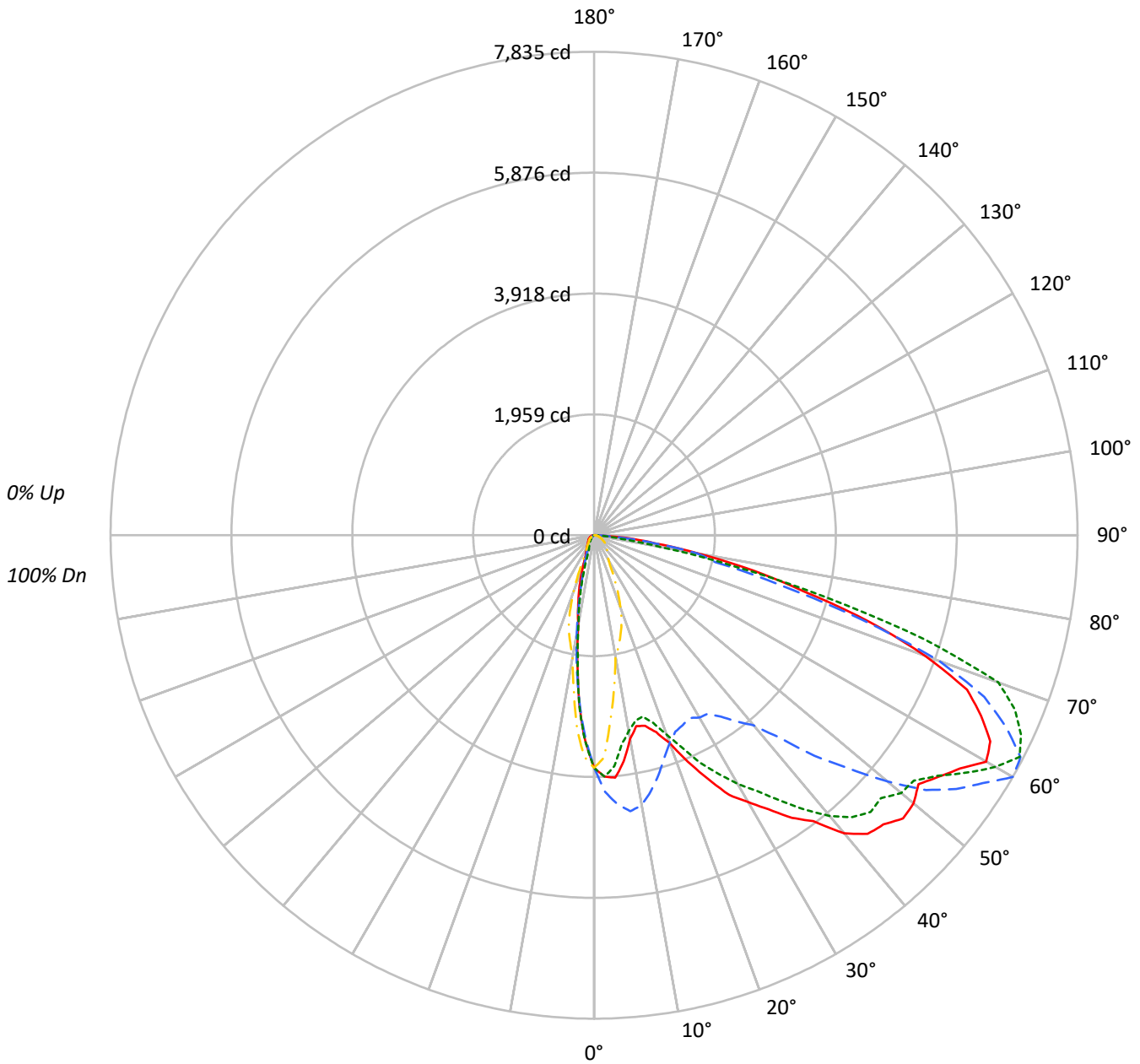
Lumens per Lamp: N/A
 Luminaire Lumens: 10020.9 lumens
 Efficiency: N/A
 Efficacy: 105.7 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 94.8
 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

TEST NUMBER: P599491
CATALOG NUMBER: IFLD-S-SA3A-740-U-SLL-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599491
 CATALOG NUMBER: IFLD-S-SA3A-740-U-SLL-HSS

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°	54075	54075	54075	54075
5°	56826	54089	39516	39747
10°	48864	46993	21605	21098
15°	47513	45167	14035	10576
20°	54766	52478	7520	3760
25°	68861	64411	4873	2923
30°	82707	77075	3947	2395
35°	97941	91893	3234	1922
40°	118168	111249	2857	1454
45°	134534	128668	2661	978
50°	150923	145069	2628	598
55°	170676	170073	2612	268
60°	210614	215608	2382	78
65°	235003	259175	2180	0
70°	239625	292514	2023	0
75°	194978	215756	1930	0
80°	141768	90236	1992	0
85°	91655	37890	2651	0

TEST NUMBER: P599491
 CATALOG NUMBER: IFLD-S-SA3A-740-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.2	2.9
10°-20°	561.3	5.6
20°-30°	776.7	7.8
30°-40°	1097.7	11.0
40°-50°	1494.6	14.9
50°-60°	1979.5	19.8
60°-70°	2298.3	22.9
70°-80°	1301.6	13.0
80°-90°	224.9	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°	1624.3	16.2
0°-40°	2722.0	27.2
0°-60°	6196.1	61.8
0°-90°	10020.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10020.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3768	3768	3768	3768	3768	
5°	3944	3754	2743	2759	3944	354
15°	3198	3040	945	712	3198	938
25°	4348	4068	308	185	4348	2028
35°	5590	5245	185	110	5590	3524
45°	6628	6339	131	48	6628	5139
55°	6821	6797	104	11	6821	6180
65°	6920	7632	64	0	6920	6746
75°	3516	3891	35	0	3516	3838
85°	557	230	16	0	557	669
90°	0	0	0	0	0	



TEST NUMBER: P599491
 CATALOG NUMBER: IFLD-S-SA3A-740-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8
2.5°	3915.0	3997.9	4000.6	4038.1	4075.5	4075.5	4163.8	4142.4	4064.8	4051.4	3995.2
5°	3944.4	3973.8	3995.2	4185.2	4345.8	4329.7	4377.9	4345.8	4195.9	4003.3	3872.1
7.5°	3690.2	3722.3	3807.9	4131.7	4348.5	4420.7	4511.7	4311.0	4153.1	3805.2	3553.7
10°	3353.0	3414.6	3572.4	3941.7	4209.3	4439.5	4439.5	4278.9	3973.8	3634.0	3326.2
12.5°	3165.7	3288.8	3374.4	3749.0	4096.9	4254.8	4249.5	4163.8	3965.8	3537.6	3189.8
15°	3197.8	3232.6	3414.6	3706.2	3936.4	3928.3	4024.7	3997.9	3858.8	3623.3	3240.6
17.5°	3345.0	3398.5	3556.4	3706.2	3815.9	3783.8	3781.2	3909.6	3917.6	3767.8	3430.6
20°	3585.8	3743.7	3818.6	3864.1	3730.3	3593.8	3577.8	3757.1	3896.2	3952.4	3658.1
22.5°	3971.2	4075.5	4228.0	3995.2	3647.4	3476.1	3444.0	3642.0	3923.0	4171.9	3952.4
25°	4348.5	4428.7	4575.9	4276.2	3741.0	3452.0	3395.8	3567.1	4024.7	4476.9	4308.3
27.5°	4747.2	4816.8	4832.8	4482.3	3791.9	3403.8	3336.9	3567.1	4110.3	4637.5	4733.8
30°	4990.7	5073.7	5089.7	4664.2	3874.8	3444.0	3411.9	3583.1	4169.2	4773.9	5038.9
32.5°	5263.7	5285.1	5271.7	4696.3	3965.8	3561.7	3427.9	3690.2	4236.1	4937.2	5317.2
35°	5590.1	5627.6	5491.1	4843.5	4169.2	3636.7	3588.5	3821.3	4351.1	5012.1	5654.3
37.5°	5839.0	5956.7	5649.0	4899.7	4209.3	3794.5	3802.6	4094.2	4431.4	5103.1	6026.3
40°	6307.3	6109.3	5916.6	5092.4	4361.8	4062.1	4019.3	4375.2	4701.7	5162.0	6269.8
42.5°	6564.2	6459.8	6021.0	5111.1	4597.3	4431.4	4442.1	4693.7	4843.5	5327.9	6336.7
45°	6628.4	6518.7	6162.8	5124.5	4830.1	4867.6	5052.3	5100.4	5052.3	5437.6	6462.5
47.5°	6791.6	6553.5	6146.7	5303.8	5207.5	5352.0	5587.4	5691.8	5335.9	5397.5	6521.4
50°	6759.5	6623.1	6111.9	5378.7	5667.7	6050.4	6208.3	6165.5	5651.7	5314.5	6457.1
52.5°	6625.7	6478.5	6219.0	5582.1	6098.6	6561.5	6780.9	6673.9	5932.6	5501.8	6414.3
55°	6821.1	6708.7	6358.1	5857.7	6422.4	7011.1	7166.3	7086.0	6277.8	5675.8	6657.8
57.5°	7032.5	7008.4	6735.4	6181.5	6805.0	7474.0	7474.0	7375.0	6577.6	5927.3	7019.1
60°	7337.5	7391.1	7013.7	6395.6	6936.1	7447.3	7835.3	7720.2	6879.9	6368.8	7428.5
62.5°	7238.5	7409.8	7372.3	6855.9	7086.0	7578.4	7789.8	7875.4	7254.6	6906.7	7974.4
65°	6920.1	7102.1	7369.6	7158.2	6973.6	7259.9	7367.0	7626.5	7441.9	7412.5	8199.2
67.5°	6540.1	6738.1	6904.0	7361.6	6746.1	6936.1	6842.5	6925.4	7238.5	7966.4	8327.6
70°	5710.5	5900.5	6162.8	6909.4	6144.1	5972.8	5948.7	5908.6	6395.6	7768.4	7744.3
72.5°	4696.3	4784.7	5218.2	5616.9	4546.5	4514.4	4551.8	4506.4	5071.0	7032.5	6633.8
75°	3516.2	3604.5	3850.7	4313.7	3096.1	2911.5	3125.5	3336.9	3872.1	5459.0	4765.9
77.5°	2643.9	2756.3	2911.5	3227.2	2271.9	1982.9	2012.3	2213.0	2799.1	4372.6	2670.6
80°	1715.3	1701.9	2001.6	2221.1	1710.0	1763.5	1688.5	1835.7	2028.4	2338.8	1364.7
82.5°	990.1	1003.5	1129.3	1273.8	1190.8	1362.1	982.1	1640.4	1447.7	952.6	508.4
85°	556.6	580.7	695.8	883.1	746.6	500.4	409.4	813.5	909.8	390.7	246.2
87.5°	56.2	48.2	93.7	334.5	203.4	83.0	123.1	195.3	219.4	147.2	72.3
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: P599491
 CATALOG NUMBER: IFLD-S-SA3A-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8
2.5°	3915.0	3915.0	3848.1	3735.7	3690.2	3609.9	3500.2	3535.0	3497.5	3361.0	3326.2
5°	3754.4	3626.0	3486.8	3315.5	3216.5	3013.2	2948.9	2833.9	2852.6	2737.5	2742.9
7.5°	3419.9	3318.2	3082.7	2857.9	2662.6	2486.0	2237.1	2143.5	2052.5	2007.0	2060.5
10°	3224.6	3034.6	2713.4	2419.1	2159.5	2001.6	1835.7	1707.3	1589.5	1501.2	1482.5
12.5°	3082.7	2914.1	2526.1	2167.5	1964.2	1835.7	1683.2	1506.6	1391.5	1239.0	1193.5
15°	3039.9	2833.9	2424.4	2068.5	1870.5	1659.1	1485.2	1311.2	1161.4	1000.8	944.6
17.5°	3187.1	2948.9	2421.8	1988.3	1710.0	1482.5	1241.7	1046.3	893.8	746.6	711.8
20°	3436.0	3072.0	2499.4	1940.1	1557.4	1252.4	979.4	784.1	612.8	516.5	492.4
22.5°	3719.6	3280.8	2507.4	1811.6	1404.9	1022.2	714.5	516.5	420.1	374.6	361.3
25°	4067.5	3615.2	2603.7	1707.3	1225.6	776.0	508.4	396.0	339.8	313.1	307.7
27.5°	4353.8	3848.1	2708.1	1597.6	1049.0	575.3	398.7	323.8	294.4	267.6	264.9
30°	4650.9	4115.7	2737.5	1530.7	896.5	473.6	342.5	286.3	254.2	240.8	238.2
32.5°	4910.4	4407.3	2831.2	1420.9	752.0	417.5	310.4	256.9	235.5	214.1	211.4
35°	5244.9	4575.9	2876.7	1362.1	698.4	377.3	283.7	235.5	203.4	190.0	184.6
37.5°	5603.5	4739.2	2906.1	1316.6	652.9	353.2	267.6	222.1	192.7	173.9	168.6
40°	5938.0	4969.3	2863.3	1260.4	618.2	323.8	256.9	206.1	179.3	160.6	152.5
42.5°	6194.9	5194.1	2849.9	1206.9	580.7	313.1	243.5	198.0	168.6	147.2	144.5
45°	6339.4	5346.6	2756.3	1164.1	551.3	318.4	238.2	187.3	160.6	141.8	131.1
47.5°	6304.6	5464.4	2780.3	1150.7	511.1	297.0	235.5	179.3	147.2	131.1	123.1
50°	6497.3	5702.5	2740.2	1107.9	481.7	267.6	256.9	179.3	144.5	125.8	117.7
52.5°	6529.4	5919.3	2825.8	1030.3	436.2	246.2	254.2	176.6	139.2	120.4	109.7
55°	6797.0	6170.8	2991.7	987.4	398.7	214.1	232.8	171.3	125.8	109.7	104.4
57.5°	7160.9	6692.6	3098.8	947.3	347.9	187.3	195.3	168.6	115.1	101.7	93.7
60°	7511.5	6901.4	3106.8	875.0	299.7	168.6	152.5	168.6	107.0	91.0	83.0
62.5°	7773.7	6901.4	3053.3	813.5	262.2	149.9	133.8	160.6	96.3	80.3	74.9
65°	7631.9	6716.7	2914.1	762.7	238.2	131.1	115.1	123.1	85.6	69.6	64.2
67.5°	7377.7	6141.4	2606.4	701.1	235.5	115.1	99.0	91.0	74.9	61.5	56.2
70°	6970.9	5365.3	2170.2	631.5	230.1	104.4	88.3	77.6	66.9	53.5	48.2
72.5°	5616.9	4431.4	1782.2	591.4	224.8	91.0	74.9	66.9	56.2	45.5	40.1
75°	3890.9	2831.2	1372.8	505.8	219.4	83.0	69.6	58.9	48.2	37.5	34.8
77.5°	2333.5	1891.9	885.7	380.0	144.5	66.9	58.9	45.5	40.1	32.1	29.4
80°	1091.8	893.8	358.6	147.2	69.6	48.2	40.1	34.8	32.1	26.8	24.1
82.5°	428.2	377.3	173.9	85.6	56.2	37.5	32.1	29.4	26.8	21.4	18.7
85°	230.1	203.4	83.0	58.9	40.1	26.8	26.8	24.1	21.4	18.7	16.1
87.5°	50.8	37.5	34.8	34.8	29.4	21.4	21.4	18.7	16.1	13.4	10.7
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: P599491
 CATALOG NUMBER: IFLD-S-SA3A-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8
2.5°	3307.5	3347.7	3283.4	3323.6	3267.4	3310.2	3315.5	3275.4	3286.1	3339.6	3363.7
5°	2817.8	2791.0	2732.2	2713.4	2716.1	2681.3	2694.7	2713.4	2742.9	2758.9	2807.1
7.5°	2031.1	2092.6	2089.9	2135.4	2138.1	2132.8	2095.3	2015.0	2041.8	2020.4	2047.1
10°	1453.1	1479.8	1530.7	1560.1	1613.6	1584.2	1498.5	1466.4	1450.4	1447.7	1474.5
12.5°	1161.4	1097.2	1091.8	1102.5	1129.3	1094.5	1051.7	1014.2	1032.9	1070.4	1099.8
15°	899.1	845.6	776.0	765.3	770.7	754.6	709.1	661.0	674.3	711.8	733.2
17.5°	690.4	628.9	580.7	548.6	537.9	481.7	414.8	374.6	363.9	361.3	380.0
20°	465.6	454.9	446.9	406.7	406.7	326.5	270.3	240.8	240.8	246.2	248.9
22.5°	347.9	334.5	337.2	329.1	307.7	243.5	214.1	206.1	206.1	211.4	211.4
25°	302.4	283.7	278.3	275.6	254.2	208.7	187.3	179.3	179.3	184.6	184.6
27.5°	256.9	251.5	243.5	232.8	214.1	179.3	165.9	157.9	160.6	163.2	160.6
30°	235.5	222.1	211.4	211.4	190.0	160.6	149.9	144.5	139.2	144.5	147.2
32.5°	208.7	200.7	195.3	187.3	163.2	141.8	131.1	125.8	123.1	123.1	125.8
35°	179.3	179.3	173.9	163.2	141.8	128.4	115.1	109.7	107.0	109.7	109.7
37.5°	160.6	152.5	155.2	144.5	125.8	112.4	99.0	93.7	93.7	91.0	93.7
40°	149.9	136.5	128.4	123.1	112.4	96.3	85.6	80.3	77.6	77.6	77.6
42.5°	133.8	123.1	107.0	104.4	101.7	83.0	69.6	66.9	64.2	61.5	61.5
45°	125.8	109.7	96.3	83.0	83.0	69.6	58.9	53.5	50.8	48.2	50.8
47.5°	115.1	99.0	83.0	69.6	66.9	56.2	45.5	40.1	37.5	37.5	37.5
50°	109.7	88.3	72.3	58.9	50.8	45.5	34.8	29.4	26.8	26.8	26.8
52.5°	101.7	83.0	64.2	50.8	40.1	34.8	26.8	21.4	18.7	18.7	18.7
55°	91.0	74.9	56.2	42.8	34.8	26.8	18.7	13.4	10.7	10.7	10.7
57.5°	85.6	66.9	48.2	37.5	26.8	18.7	10.7	8.0	8.0	5.4	8.0
60°	77.6	58.9	40.1	29.4	21.4	13.4	8.0	2.7	2.7	2.7	2.7
62.5°	66.9	50.8	34.8	24.1	16.1	8.0	2.7	0.0	0.0	0.0	0.0
65°	56.2	40.1	26.8	18.7	10.7	2.7	0.0	0.0	0.0	0.0	0.0
67.5°	48.2	34.8	21.4	13.4	8.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	42.8	29.4	16.1	10.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	34.8	24.1	13.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	29.4	18.7	8.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	24.1	13.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	18.7	10.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.1	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.0	2.7	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: P599491
 CATALOG NUMBER: IFLD-S-SA3A-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8	3767.8
2.5°	3398.5	3382.4	3462.7	3593.8	3660.7	3791.9	3824.0	3906.9	3885.5	3915.0
5°	2812.5	2844.6	2962.3	3155.0	3224.6	3414.6	3593.8	3773.1	3888.2	3944.4
7.5°	2087.3	2194.3	2338.8	2515.4	2694.7	2943.6	3248.6	3457.4	3569.8	3690.2
10°	1554.7	1669.8	1835.7	2009.7	2301.3	2579.6	2884.7	3144.3	3240.6	3353.0
12.5°	1222.9	1402.2	1594.9	1782.2	1956.1	2221.1	2598.4	2975.7	3080.1	3165.7
15°	851.0	1070.4	1346.0	1589.5	1833.0	2063.2	2453.9	2911.5	3053.3	3197.8
17.5°	471.0	644.9	960.7	1303.2	1661.8	2015.0	2502.0	3029.2	3243.3	3345.0
20°	272.9	342.5	567.3	974.1	1447.7	1910.6	2526.1	3251.3	3535.0	3585.8
22.5°	224.8	248.9	321.1	610.1	1185.5	1843.8	2649.2	3561.7	3850.7	3971.2
25°	192.7	211.4	248.9	366.6	896.5	1701.9	2726.8	3949.7	4217.3	4348.5
27.5°	171.3	190.0	219.4	270.3	610.1	1506.6	2855.3	4300.3	4567.9	4747.2
30°	149.9	165.9	195.3	230.1	422.8	1287.1	2965.0	4557.2	4934.5	4990.7
32.5°	133.8	147.2	168.6	198.0	313.1	976.7	3053.3	4822.1	5140.6	5263.7
35°	115.1	131.1	144.5	168.6	238.2	735.9	2999.8	5028.2	5442.9	5590.1
37.5°	101.7	112.4	125.8	141.8	200.7	575.3	2890.1	5274.4	5702.5	5839.0
40°	85.6	93.7	109.7	125.8	182.0	444.2	2764.3	5571.4	6066.4	6307.3
42.5°	72.3	80.3	91.0	117.7	149.9	329.1	2510.1	5801.5	6360.8	6564.2
45°	56.2	66.9	83.0	117.7	120.4	243.5	2247.8	5972.8	6526.7	6628.4
47.5°	42.8	53.5	80.3	101.7	96.3	168.6	1937.4	6168.1	6698.0	6791.6
50°	32.1	42.8	91.0	88.3	80.3	128.4	1742.1	6304.6	6708.7	6759.5
52.5°	21.4	32.1	74.9	66.9	66.9	112.4	1688.5	6299.3	6735.4	6625.7
55°	16.1	24.1	42.8	48.2	58.9	99.0	1640.4	6500.0	6743.5	6821.1
57.5°	10.7	18.7	29.4	37.5	50.8	85.6	1541.4	6740.8	6992.3	7032.5
60°	5.4	13.4	21.4	29.4	42.8	74.9	1402.2	6917.4	7294.7	7337.5
62.5°	2.7	8.0	16.1	24.1	34.8	58.9	1257.7	6636.4	7163.6	7238.5
65°	0.0	5.4	10.7	16.1	21.4	42.8	1022.2	5991.5	6644.5	6920.1
67.5°	0.0	0.0	5.4	10.7	13.4	32.1	770.7	5451.0	6165.5	6540.1
70°	0.0	0.0	2.7	2.7	8.0	24.1	492.4	4514.4	5504.5	5710.5
72.5°	0.0	0.0	0.0	0.0	2.7	16.1	286.3	3353.0	4313.7	4696.3
75°	0.0	0.0	0.0	0.0	0.0	13.4	144.5	2156.8	3002.4	3516.2
77.5°	0.0	0.0	0.0	0.0	0.0	10.7	77.6	1391.5	2213.0	2643.9
80°	0.0	0.0	0.0	0.0	0.0	2.7	45.5	808.1	1415.6	1715.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	18.7	396.0	845.6	990.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.4	211.4	422.8	556.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	29.4	56.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)