

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: P599407

Luminaire Tested: **IFLD-S-SA3D-727-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: P599407
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3D-727-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (48) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

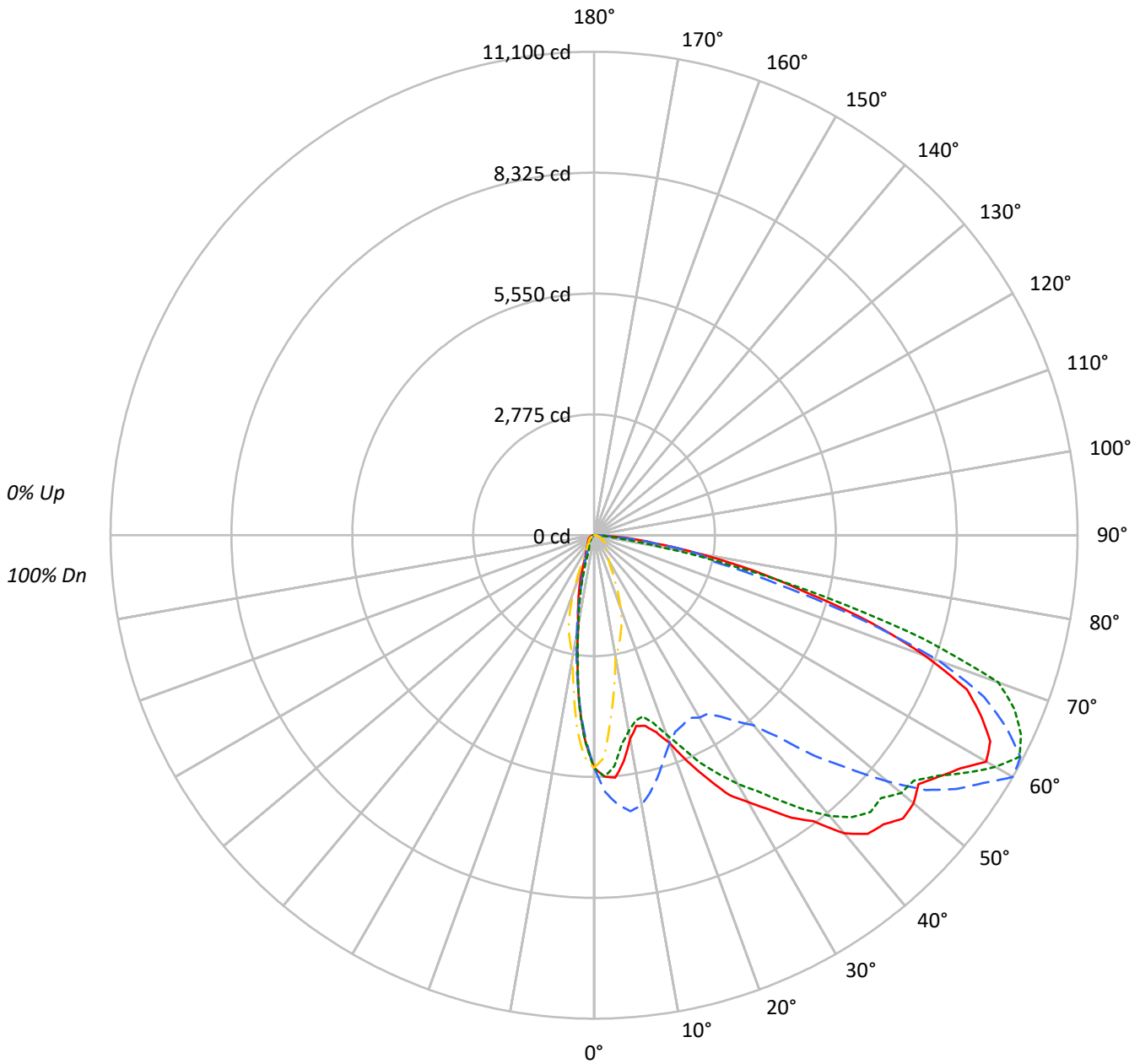
Lumens per Lamp: N/A
 Luminaire Lumens: 14196.5 lumens
 Efficiency: N/A
 Efficacy: 77.1 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 184.1
 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	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°	76608	76608	76608	76608
5°	80505	76626	55982	56310
10°	69226	66574	30607	29890
15°	67312	63988	19883	14983
20°	77587	74344	10654	5327
25°	97555	91251	6904	4143
30°	117170	109190	5591	3392
35°	138753	130185	4583	2723
40°	167407	157605	4049	2059
45°	190594	182284	3771	1384
50°	213813	205519	3724	846
55°	241795	240942	3701	380
60°	298379	305451	3373	109
65°	332928	367173	3090	0
70°	339478	414405	2862	0
75°	276226	305659	2734	0
80°	200846	127834	2818	0
85°	129842	53682	3738	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.5	2.9
10°-20°	795.2	5.6
20°-30°	1100.4	7.8
30°-40°	1555.2	11.0
40°-50°	2117.4	14.9
50°-60°	2804.3	19.8
60°-70°	3256.0	22.9
70°-80°	1843.9	13.0
80°-90°	318.6	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°	2301.1	16.2
0°-40°	3856.3	27.2
0°-60°	8778.0	61.8
0°-90°	14196.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14196.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5338	5338	5338	5338	5338	
5°	5588	5319	3886	3909	5588	502
15°	4530	4307	1338	1008	4530	1329
25°	6160	5762	436	262	6160	2873
35°	7920	7430	262	155	7920	4993
45°	9390	8981	186	68	9390	7280
55°	9663	9629	148	15	9663	8755
65°	9804	10812	91	0	9804	9557
75°	4981	5512	49	0	4981	5437
85°	788	326	23	0	788	947
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°	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8
2.5°	5546.3	5663.8	5667.6	5720.7	5773.8	5773.8	5898.9	5868.5	5758.6	5739.7	5660.0
5°	5588.0	5629.7	5660.0	5929.2	6156.7	6133.9	6202.2	6156.7	5944.4	5671.4	5485.7
7.5°	5227.9	5273.4	5394.7	5853.4	6160.5	6262.8	6391.7	6107.4	5883.7	5390.9	5034.5
10°	4750.2	4837.4	5061.1	5584.2	5963.3	6289.4	6289.4	6061.9	5629.7	5148.2	4712.3
12.5°	4484.8	4659.2	4780.5	5311.3	5804.1	6027.8	6020.2	5898.9	5618.3	5011.8	4518.9
15°	4530.3	4579.6	4837.4	5250.6	5576.6	5565.3	5701.7	5663.8	5466.7	5133.1	4591.0
17.5°	4738.8	4814.6	5038.3	5250.6	5406.0	5360.5	5356.8	5538.7	5550.1	5337.8	4860.1
20°	5080.0	5303.7	5409.8	5474.3	5284.7	5091.4	5068.6	5322.6	5519.8	5599.4	5182.4
22.5°	5625.9	5773.8	5989.9	5660.0	5167.2	4924.6	4879.1	5159.6	5557.7	5910.2	5599.4
25°	6160.5	6274.2	6482.7	6058.1	5299.9	4890.5	4810.8	5053.5	5701.7	6342.4	6103.6
27.5°	6725.3	6823.9	6846.6	6350.0	5371.9	4822.2	4727.4	5053.5	5823.1	6569.9	6706.4
30°	7070.3	7187.8	7210.6	6607.8	5489.4	4879.1	4833.6	5076.2	5906.5	6763.2	7138.5
32.5°	7457.0	7487.3	7468.4	6653.3	5618.3	5045.9	4856.3	5227.9	6001.2	6994.5	7532.8
35°	7919.5	7972.6	7779.2	6861.8	5906.5	5152.0	5083.8	5413.6	6164.2	7100.6	8010.5
37.5°	8272.1	8438.9	8002.9	6941.4	5963.3	5375.7	5387.1	5800.3	6278.0	7229.5	8537.4
40°	8935.5	8655.0	8382.0	7214.4	6179.4	5754.8	5694.2	6198.4	6660.9	7312.9	8882.4
42.5°	9299.4	9151.6	8529.9	7240.9	6513.0	6278.0	6293.1	6649.5	6861.8	7548.0	8977.2
45°	9390.4	9235.0	8730.8	7259.9	6842.8	6895.9	7157.5	7225.7	7157.5	7703.4	9155.4
47.5°	9621.7	9284.3	8708.0	7513.9	7377.4	7582.1	7915.7	8063.6	7559.4	7646.6	9238.8
50°	9576.2	9382.9	8658.8	7620.0	8029.4	8571.6	8795.2	8734.6	8006.7	7529.0	9147.8
52.5°	9386.6	9178.1	8810.4	7908.1	8639.8	9295.7	9606.5	9454.9	8404.8	7794.4	9087.1
55°	9663.4	9504.2	9007.5	8298.6	9098.5	9932.6	10152.4	10038.7	8893.8	8040.8	9432.1
57.5°	9962.9	9928.8	9542.1	8757.3	9640.6	10588.4	10588.4	10448.1	9318.4	8397.2	9943.9
60°	10395.1	10470.9	9936.3	9060.6	9826.4	10550.5	11100.2	10937.2	9746.8	9022.7	10524.0
62.5°	10254.8	10497.4	10444.3	9712.7	10038.7	10736.3	11035.7	11157.1	10277.5	9784.7	11297.3
65°	9803.7	10061.4	10440.6	10141.1	9879.5	10285.1	10436.8	10804.5	10542.9	10501.2	11615.8
67.5°	9265.3	9545.9	9780.9	10429.2	9557.2	9826.4	9693.7	9811.2	10254.8	11286.0	11797.8
70°	8090.1	8359.3	8730.8	9788.5	8704.3	8461.6	8427.5	8370.6	9060.6	11005.4	10971.3
72.5°	6653.3	6778.4	7392.5	7957.4	6441.0	6395.5	6448.6	6384.1	7184.0	9962.9	9398.0
75°	4981.4	5106.5	5455.3	6111.2	4386.2	4124.7	4427.9	4727.4	5485.7	7733.7	6751.9
77.5°	3745.6	3904.8	4124.7	4572.0	3218.6	2809.2	2850.9	3135.2	3965.4	6194.6	3783.5
80°	2430.1	2411.1	2835.7	3146.6	2422.5	2498.3	2392.2	2600.7	2873.6	3313.4	1933.4
82.5°	1402.7	1421.6	1599.8	1804.5	1687.0	1929.6	1391.3	2323.9	2051.0	1349.6	720.3
85°	788.5	822.7	985.7	1251.0	1057.7	708.9	580.0	1152.5	1289.0	553.5	348.8
87.5°	79.6	68.2	132.7	473.9	288.1	117.5	174.4	276.7	310.9	208.5	102.4
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°	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8
2.5°	5546.3	5546.3	5451.5	5292.3	5227.9	5114.1	4958.7	5008.0	4954.9	4761.6	4712.3
5°	5318.8	5136.9	4939.7	4697.1	4556.8	4268.7	4177.7	4014.7	4041.3	3878.2	3885.8
7.5°	4845.0	4700.9	4367.3	4048.8	3772.1	3521.9	3169.3	3036.6	2907.7	2843.3	2919.1
10°	4568.2	4299.1	3844.1	3427.1	3059.4	2835.7	2600.7	2418.7	2251.9	2126.8	2100.2
12.5°	4367.3	4128.5	3578.8	3070.8	2782.6	2600.7	2384.6	2134.4	1971.3	1755.3	1690.8
15°	4306.6	4014.7	3434.7	2930.5	2649.9	2350.5	2104.0	1857.6	1645.3	1417.9	1338.2
17.5°	4515.1	4177.7	3430.9	2816.8	2422.5	2100.2	1759.0	1482.3	1266.2	1057.7	1008.4
20°	4867.7	4352.1	3540.8	2748.5	2206.4	1774.2	1387.5	1110.8	868.2	731.7	697.6
22.5°	5269.6	4647.8	3552.2	2566.5	1990.3	1448.2	1012.2	731.7	595.2	530.7	511.8
25°	5762.4	5121.7	3688.7	2418.7	1736.3	1099.4	720.3	561.1	481.5	443.6	436.0
27.5°	6168.0	5451.5	3836.5	2263.3	1486.1	815.1	564.9	458.7	417.0	379.1	375.3
30°	6588.8	5830.6	3878.2	2168.5	1270.0	671.0	485.3	405.6	360.1	341.2	337.4
32.5°	6956.6	6243.9	4010.9	2013.0	1065.3	591.4	439.8	363.9	333.6	303.3	299.5
35°	7430.5	6482.7	4075.4	1929.6	989.5	534.5	401.9	333.6	288.1	269.2	261.6
37.5°	7938.5	6714.0	4117.1	1865.2	925.0	500.4	379.1	314.7	273.0	246.4	238.8
40°	8412.3	7040.0	4056.4	1785.6	875.7	458.7	363.9	291.9	254.0	227.5	216.1
42.5°	8776.3	7358.4	4037.5	1709.8	822.7	443.6	345.0	280.5	238.8	208.5	204.7
45°	8981.0	7574.5	3904.8	1649.1	781.0	451.1	337.4	265.4	227.5	200.9	185.8
47.5°	8931.7	7741.3	3938.9	1630.2	724.1	420.8	333.6	254.0	208.5	185.8	174.4
50°	9204.7	8078.7	3882.0	1569.5	682.4	379.1	363.9	254.0	204.7	178.2	166.8
52.5°	9250.2	8385.8	4003.3	1459.6	617.9	348.8	360.1	250.2	197.1	170.6	155.4
55°	9629.3	8742.2	4238.4	1398.9	564.9	303.3	329.8	242.6	178.2	155.4	147.9
57.5°	10144.9	9481.4	4390.0	1342.0	492.8	265.4	276.7	238.8	163.0	144.1	132.7
60°	10641.5	9777.1	4401.4	1239.7	424.6	238.8	216.1	238.8	151.6	128.9	117.5
62.5°	11013.0	9777.1	4325.6	1152.5	371.5	212.3	189.6	227.5	136.5	113.7	106.1
65°	10812.1	9515.5	4128.5	1080.4	337.4	185.8	163.0	174.4	121.3	98.6	91.0
67.5°	10451.9	8700.5	3692.5	993.3	333.6	163.0	140.3	128.9	106.1	87.2	79.6
70°	9875.7	7601.1	3074.5	894.7	326.0	147.9	125.1	109.9	94.8	75.8	68.2
72.5°	7957.4	6278.0	2524.8	837.8	318.4	128.9	106.1	94.8	79.6	64.4	56.9
75°	5512.2	4010.9	1944.8	716.5	310.9	117.5	98.6	83.4	68.2	53.1	49.3
77.5°	3305.8	2680.3	1254.8	538.3	204.7	94.8	83.4	64.4	56.9	45.5	41.7
80°	1546.7	1266.2	508.0	208.5	98.6	68.2	56.9	49.3	45.5	37.9	34.1
82.5°	606.6	534.5	246.4	121.3	79.6	53.1	45.5	41.7	37.9	30.3	26.5
85°	326.0	288.1	117.5	83.4	56.9	37.9	37.9	34.1	30.3	26.5	22.7
87.5°	72.0	53.1	49.3	49.3	41.7	30.3	30.3	26.5	22.7	19.0	15.2
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°	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8
2.5°	4685.7	4742.6	4651.6	4708.5	4628.9	4689.5	4697.1	4640.2	4655.4	4731.2	4765.4
5°	3992.0	3954.1	3870.7	3844.1	3847.9	3798.6	3817.6	3844.1	3885.8	3908.6	3976.8
7.5°	2877.4	2964.6	2960.8	3025.3	3029.0	3021.5	2968.4	2854.7	2892.6	2862.2	2900.2
10°	2058.5	2096.5	2168.5	2210.2	2286.0	2244.3	2123.0	2077.5	2054.7	2051.0	2088.9
12.5°	1645.3	1554.3	1546.7	1561.9	1599.8	1550.5	1489.9	1436.8	1463.3	1516.4	1558.1
15°	1273.8	1198.0	1099.4	1084.2	1091.8	1069.1	1004.6	936.4	955.3	1008.4	1038.7
17.5°	978.1	890.9	822.7	777.2	762.0	682.4	587.6	530.7	515.6	511.8	538.3
20°	659.6	644.5	633.1	576.2	576.2	462.5	382.9	341.2	341.2	348.8	352.6
22.5°	492.8	473.9	477.7	466.3	436.0	345.0	303.3	291.9	291.9	299.5	299.5
25°	428.4	401.9	394.3	390.5	360.1	295.7	265.4	254.0	254.0	261.6	261.6
27.5°	363.9	356.4	345.0	329.8	303.3	254.0	235.0	223.7	227.5	231.3	227.5
30°	333.6	314.7	299.5	299.5	269.2	227.5	212.3	204.7	197.1	204.7	208.5
32.5°	295.7	284.3	276.7	265.4	231.3	200.9	185.8	178.2	174.4	174.4	178.2
35°	254.0	254.0	246.4	231.3	200.9	182.0	163.0	155.4	151.6	155.4	155.4
37.5°	227.5	216.1	219.9	204.7	178.2	159.2	140.3	132.7	132.7	128.9	132.7
40°	212.3	193.3	182.0	174.4	159.2	136.5	121.3	113.7	109.9	109.9	109.9
42.5°	189.6	174.4	151.6	147.9	144.1	117.5	98.6	94.8	91.0	87.2	87.2
45°	178.2	155.4	136.5	117.5	117.5	98.6	83.4	75.8	72.0	68.2	72.0
47.5°	163.0	140.3	117.5	98.6	94.8	79.6	64.4	56.9	53.1	53.1	53.1
50°	155.4	125.1	102.4	83.4	72.0	64.4	49.3	41.7	37.9	37.9	37.9
52.5°	144.1	117.5	91.0	72.0	56.9	49.3	37.9	30.3	26.5	26.5	26.5
55°	128.9	106.1	79.6	60.7	49.3	37.9	26.5	19.0	15.2	15.2	15.2
57.5°	121.3	94.8	68.2	53.1	37.9	26.5	15.2	11.4	11.4	7.6	11.4
60°	109.9	83.4	56.9	41.7	30.3	19.0	11.4	3.8	3.8	3.8	3.8
62.5°	94.8	72.0	49.3	34.1	22.7	11.4	3.8	0.0	0.0	0.0	0.0
65°	79.6	56.9	37.9	26.5	15.2	3.8	0.0	0.0	0.0	0.0	0.0
67.5°	68.2	49.3	30.3	19.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	60.7	41.7	22.7	15.2	3.8	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	49.3	34.1	19.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	41.7	26.5	11.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	34.1	19.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	26.5	15.2	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	22.7	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.2	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.4	3.8	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: P599407
 CATALOG NUMBER: IFLD-S-SA3D-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8	5337.8
2.5°	4814.6	4791.9	4905.6	5091.4	5186.2	5371.9	5417.4	5534.9	5504.6	5546.3
5°	3984.4	4029.9	4196.7	4469.6	4568.2	4837.4	5091.4	5345.4	5508.4	5588.0
7.5°	2957.0	3108.7	3313.4	3563.6	3817.6	4170.2	4602.3	4898.0	5057.3	5227.9
10°	2202.6	2365.6	2600.7	2847.1	3260.3	3654.6	4086.8	4454.5	4591.0	4750.2
12.5°	1732.5	1986.5	2259.5	2524.8	2771.3	3146.6	3681.1	4215.6	4363.5	4484.8
15°	1205.6	1516.4	1906.9	2251.9	2596.9	2922.9	3476.4	4124.7	4325.6	4530.3
17.5°	667.2	913.6	1361.0	1846.2	2354.2	2854.7	3544.6	4291.5	4594.8	4738.8
20°	386.7	485.3	803.7	1379.9	2051.0	2706.8	3578.8	4606.1	5008.0	5080.0
22.5°	318.4	352.6	454.9	864.4	1679.4	2612.0	3753.1	5045.9	5455.3	5625.9
25°	273.0	299.5	352.6	519.4	1270.0	2411.1	3863.1	5595.6	5974.7	6160.5
27.5°	242.6	269.2	310.9	382.9	864.4	2134.4	4045.1	6092.2	6471.3	6725.3
30°	212.3	235.0	276.7	326.0	599.0	1823.5	4200.5	6456.2	6990.7	7070.3
32.5°	189.6	208.5	238.8	280.5	443.6	1383.7	4325.6	6831.5	7282.6	7457.0
35°	163.0	185.8	204.7	238.8	337.4	1042.5	4249.8	7123.4	7711.0	7919.5
37.5°	144.1	159.2	178.2	200.9	284.3	815.1	4094.3	7472.2	8078.7	8272.1
40°	121.3	132.7	155.4	178.2	257.8	629.3	3916.2	7893.0	8594.3	8935.5
42.5°	102.4	113.7	128.9	166.8	212.3	466.3	3556.0	8219.0	9011.3	9299.4
45°	79.6	94.8	117.5	166.8	170.6	345.0	3184.5	8461.6	9246.4	9390.4
47.5°	60.7	75.8	113.7	144.1	136.5	238.8	2744.7	8738.4	9489.0	9621.7
50°	45.5	60.7	128.9	125.1	113.7	182.0	2468.0	8931.7	9504.2	9576.2
52.5°	30.3	45.5	106.1	94.8	94.8	159.2	2392.2	8924.1	9542.1	9386.6
55°	22.7	34.1	60.7	68.2	83.4	140.3	2323.9	9208.5	9553.4	9663.4
57.5°	15.2	26.5	41.7	53.1	72.0	121.3	2183.6	9549.7	9906.0	9962.9
60°	7.6	19.0	30.3	41.7	60.7	106.1	1986.5	9799.9	10334.4	10395.1
62.5°	3.8	11.4	22.7	34.1	49.3	83.4	1781.8	9401.8	10148.6	10254.8
65°	0.0	7.6	15.2	22.7	30.3	60.7	1448.2	8488.2	9413.2	9803.7
67.5°	0.0	0.0	7.6	15.2	19.0	45.5	1091.8	7722.4	8734.6	9265.3
70°	0.0	0.0	3.8	3.8	11.4	34.1	697.6	6395.5	7798.2	8090.1
72.5°	0.0	0.0	0.0	0.0	3.8	22.7	405.6	4750.2	6111.2	6653.3
75°	0.0	0.0	0.0	0.0	0.0	19.0	204.7	3055.6	4253.6	4981.4
77.5°	0.0	0.0	0.0	0.0	0.0	15.2	109.9	1971.3	3135.2	3745.6
80°	0.0	0.0	0.0	0.0	0.0	3.8	64.4	1144.9	2005.5	2430.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	26.5	561.1	1198.0	1402.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	7.6	299.5	599.0	788.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	41.7	79.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)