

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: P599593

Luminaire Tested: **IFLD-L-SA7A-827-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: P599593
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7A-827-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (112) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

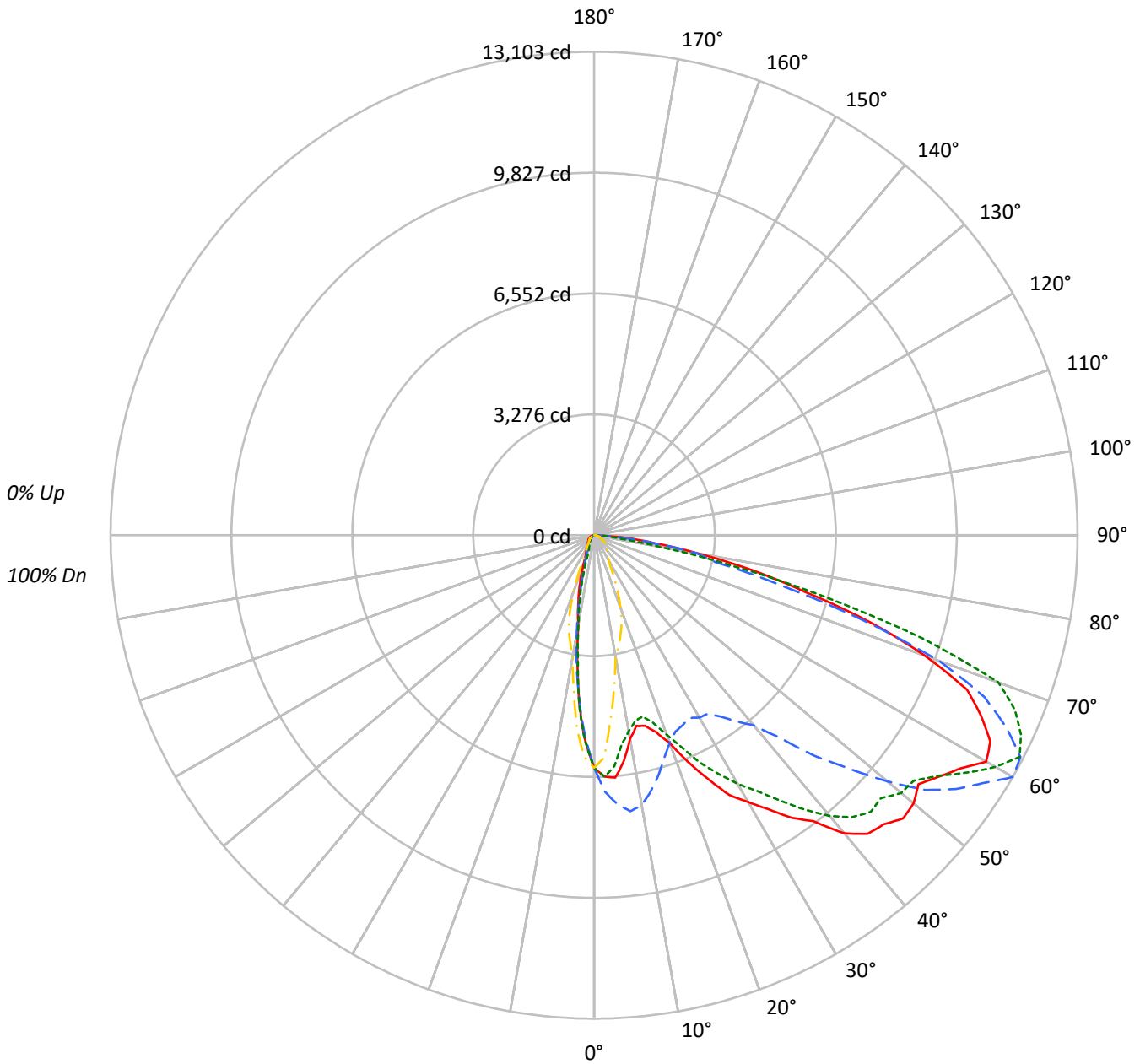
Lumens per Lamp: N/A
 Luminaire Lumens: 16758.4 lumens
 Efficiency: N/A
 Efficacy: 77.0 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 217.6
 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				
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°	33912	33912	33912	33912
5°	35637	33921	24781	24927
10°	30644	29470	13549	13231
15°	29797	28326	8802	6633
20°	34345	32910	4716	2358
25°	43184	40394	3056	1834
30°	51868	48336	2475	1502
35°	61422	57629	2029	1206
40°	74107	69767	1792	912
45°	84371	80692	1669	613
50°	94649	90977	1649	375
55°	107036	106657	1637	168
60°	132083	135214	1493	48
65°	147377	162537	1368	0
70°	150277	183445	1268	0
75°	122279	135306	1210	0
80°	88908	56591	1249	0
85°	57478	23768	1661	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.7	2.9
10°-20°	938.7	5.6
20°-30°	1299.0	7.8
30°-40°	1835.8	11.0
40°-50°	2499.5	14.9
50°-60°	3310.4	19.8
60°-70°	3843.6	22.9
70°-80°	2176.7	13.0
80°-90°	376.1	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°	2716.3	16.2
0°-40°	4552.1	27.2
0°-60°	10362.0	61.8
0°-90°	16758.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16758.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6301	6301	6301	6301	6301	
5°	6596	6279	4587	4614	6596	592
15°	5348	5084	1580	1190	5348	1569
25°	7272	6802	515	309	7272	3392
35°	9349	8771	309	184	9349	5893
45°	11085	10602	219	81	11085	8594
55°	11407	11367	174	18	11407	10335
65°	11573	12763	107	0	11573	11281
75°	5880	6507	58	0	5880	6418
85°	931	385	27	0	931	1118
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°	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0
2.5°	6547.2	6685.9	6690.4	6753.0	6815.7	6815.7	6963.4	6927.6	6797.8	6775.4	6681.4
5°	6596.4	6645.6	6681.4	6999.2	7267.7	7240.8	7321.4	7267.7	7017.1	6694.8	6475.6
7.5°	6171.3	6225.0	6368.2	6909.7	7272.1	7393.0	7545.1	7209.5	6945.5	6363.7	5943.0
10°	5607.4	5710.3	5974.3	6591.9	7039.4	7424.3	7424.3	7155.8	6645.6	6077.3	5562.6
12.5°	5294.1	5500.0	5643.2	6269.7	6851.5	7115.5	7106.6	6963.4	6632.2	5916.2	5334.4
15°	5347.8	5406.0	5710.3	6198.1	6583.0	6569.5	6730.6	6685.9	6453.2	6059.4	5419.4
17.5°	5594.0	5683.5	5947.5	6198.1	6381.6	6327.9	6323.4	6538.2	6551.6	6301.0	5737.2
20°	5996.7	6260.8	6386.1	6462.1	6238.4	6010.1	5983.3	6283.1	6515.8	6609.8	6117.5
22.5°	6641.1	6815.7	7070.8	6681.4	6099.6	5813.2	5759.5	6090.7	6560.6	6976.8	6609.8
25°	7272.1	7406.4	7652.5	7151.3	6256.3	5773.0	5679.0	5965.4	6730.6	7486.9	7205.0
27.5°	7938.9	8055.3	8082.1	7495.9	6341.3	5692.4	5580.5	5965.4	6873.9	7755.5	7916.6
30°	8346.2	8484.9	8511.8	7800.2	6480.0	5759.5	5705.8	5992.2	6972.3	7983.7	8426.7
32.5°	8802.6	8838.4	8816.1	7853.9	6632.2	5956.4	5732.7	6171.3	7084.2	8256.7	8892.2
35°	9348.6	9411.3	9183.0	8100.0	6972.3	6081.7	6001.2	6390.5	7276.6	8382.0	9456.0
37.5°	9764.8	9961.7	9447.1	8194.0	7039.4	6345.8	6359.2	6847.0	7410.9	8534.1	10078.1
40°	10548.0	10216.8	9894.6	8516.2	7294.5	6793.3	6721.7	7316.9	7862.9	8632.6	10485.3
42.5°	10977.6	10803.0	10069.1	8547.6	7688.3	7410.9	7428.8	7849.4	8100.0	8910.1	10597.2
45°	11085.0	10901.5	10306.3	8569.9	8077.7	8140.3	8449.1	8529.7	8449.1	9093.5	10807.5
47.5°	11358.0	10959.7	10279.5	8869.8	8708.7	8950.3	9344.1	9518.7	8923.5	9026.4	10906.0
50°	11304.3	11076.0	10221.3	8995.1	9478.4	10118.3	10382.4	10310.8	9451.5	8887.7	10798.6
52.5°	11080.5	10834.4	10400.3	9335.2	10198.9	10973.1	11340.1	11161.1	9921.4	9200.9	10727.0
55°	11407.2	11219.2	10633.0	9796.1	10740.4	11724.9	11984.5	11850.2	10498.7	9491.8	11134.2
57.5°	11760.7	11720.5	11264.0	10337.6	11380.3	12499.1	12499.1	12333.6	11000.0	9912.5	11738.4
60°	12270.9	12360.4	11729.4	10695.6	11599.6	12454.4	13103.3	12910.8	11505.6	10650.9	12423.1
62.5°	12105.3	12391.7	12329.1	11465.4	11850.2	12673.7	13027.2	13170.4	12132.2	11550.4	13336.0
65°	11572.8	11877.1	12324.6	11971.1	11662.3	12141.1	12320.1	12754.2	12445.4	12396.2	13711.9
67.5°	10937.3	11268.5	11545.9	12311.2	11281.9	11599.6	11443.0	11581.7	12105.3	13322.6	13926.7
70°	9550.0	9867.7	10306.3	11554.9	10275.0	9988.6	9948.3	9881.2	10695.6	12991.4	12951.1
72.5°	7853.9	8001.6	8726.6	9393.4	7603.3	7549.6	7612.3	7536.2	8480.4	11760.7	11093.9
75°	5880.4	6028.0	6439.8	7214.0	5177.8	4869.0	5227.0	5580.5	6475.6	9129.3	7970.3
77.5°	4421.5	4609.4	4869.0	5397.0	3799.4	3316.1	3365.3	3701.0	4681.0	7312.4	4466.2
80°	2868.6	2846.2	3347.4	3714.4	2859.6	2949.1	2823.8	3070.0	3392.2	3911.3	2282.3
82.5°	1655.8	1678.2	1888.5	2130.2	1991.4	2277.9	1642.4	2743.3	2421.1	1593.2	850.3
85°	930.8	971.1	1163.5	1476.8	1248.6	836.9	684.7	1360.4	1521.6	653.4	411.7
87.5°	94.0	80.6	156.6	559.4	340.1	138.7	205.9	326.7	367.0	246.1	120.8
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°	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0
2.5°	6547.2	6547.2	6435.3	6247.3	6171.3	6037.0	5853.5	5911.7	5849.0	5620.8	5562.6
5°	6278.7	6063.8	5831.1	5544.7	5379.1	5039.0	4931.6	4739.2	4770.5	4578.1	4587.0
7.5°	5719.3	5549.2	5155.4	4779.5	4452.8	4157.4	3741.2	3584.6	3432.5	3356.4	3445.9
10°	5392.6	5074.8	4537.8	4045.5	3611.5	3347.4	3070.0	2855.2	2658.2	2510.6	2479.2
12.5°	5155.4	4873.5	4224.6	3624.9	3284.8	3070.0	2814.9	2519.5	2327.1	2072.0	1995.9
15°	5083.8	4739.2	4054.5	3459.3	3128.1	2774.6	2483.7	2192.8	1942.2	1673.7	1579.7
17.5°	5329.9	4931.6	4050.0	3325.0	2859.6	2479.2	2076.5	1749.8	1494.7	1248.6	1190.4
20°	5746.1	5137.5	4179.8	3244.5	2604.5	2094.4	1637.9	1311.2	1024.8	863.7	823.4
22.5°	6220.5	5486.6	4193.2	3029.7	2349.5	1709.5	1194.9	863.7	702.6	626.5	604.1
25°	6802.2	6045.9	4354.3	2855.2	2049.6	1297.8	850.3	662.3	568.3	523.6	514.6
27.5°	7281.1	6435.3	4528.9	2671.7	1754.3	962.2	666.8	541.5	492.3	447.5	443.0
30°	7777.8	6882.8	4578.1	2559.8	1499.2	792.1	572.8	478.8	425.1	402.8	398.3
32.5°	8211.9	7370.6	4734.7	2376.3	1257.5	698.1	519.1	429.6	393.8	358.0	353.5
35°	8771.3	7652.5	4810.8	2277.9	1168.0	631.0	474.4	393.8	340.1	317.7	308.8
37.5°	9371.0	7925.5	4860.0	2201.8	1091.9	590.7	447.5	371.4	322.2	290.9	281.9
40°	9930.4	8310.4	4788.4	2107.8	1033.8	541.5	429.6	344.6	299.8	268.5	255.1
42.5°	10360.0	8686.3	4766.1	2018.3	971.1	523.6	407.2	331.2	281.9	246.1	241.7
45°	10601.7	8941.4	4609.4	1946.7	921.9	532.5	398.3	313.3	268.5	237.2	219.3
47.5°	10543.5	9138.3	4649.7	1924.3	854.8	496.7	393.8	299.8	246.1	219.3	205.9
50°	10865.7	9536.6	4582.6	1852.7	805.5	447.5	429.6	299.8	241.7	210.3	196.9
52.5°	10919.4	9899.1	4725.8	1722.9	729.5	411.7	425.1	295.4	232.7	201.4	183.5
55°	11366.9	10319.7	5003.2	1651.3	666.8	358.0	389.3	286.4	210.3	183.5	174.5
57.5°	11975.5	11192.4	5182.2	1584.2	581.8	313.3	326.7	281.9	192.4	170.1	156.6
60°	12561.8	11541.4	5195.7	1463.4	501.2	281.9	255.1	281.9	179.0	152.2	138.7
62.5°	13000.4	11541.4	5106.2	1360.4	438.6	250.6	223.8	268.5	161.1	134.3	125.3
65°	12763.2	11232.7	4873.5	1275.4	398.3	219.3	192.4	205.9	143.2	116.4	107.4
67.5°	12338.0	10270.5	4358.8	1172.5	393.8	192.4	165.6	152.2	125.3	102.9	94.0
70°	11657.8	8972.7	3629.4	1056.1	384.9	174.5	147.7	129.8	111.9	89.5	80.6
72.5°	9393.4	7410.9	2980.5	989.0	375.9	152.2	125.3	111.9	94.0	76.1	67.1
75°	6506.9	4734.7	2295.8	845.8	367.0	138.7	116.4	98.5	80.6	62.7	58.2
77.5°	3902.3	3163.9	1481.3	635.5	241.7	111.9	98.5	76.1	67.1	53.7	49.2
80°	1825.9	1494.7	599.7	246.1	116.4	80.6	67.1	58.2	53.7	44.8	40.3
82.5°	716.0	631.0	290.9	143.2	94.0	62.7	53.7	49.2	44.8	35.8	31.3
85°	384.9	340.1	138.7	98.5	67.1	44.8	44.8	40.3	35.8	31.3	26.9
87.5°	85.0	62.7	58.2	58.2	49.2	35.8	35.8	31.3	26.9	22.4	17.9
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°	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0
2.5°	5531.3	5598.4	5491.0	5558.2	5464.2	5535.8	5544.7	5477.6	5495.5	5585.0	5625.3
5°	4712.3	4667.6	4569.1	4537.8	4542.3	4484.1	4506.5	4537.8	4587.0	4613.9	4694.4
7.5°	3396.6	3499.6	3495.1	3571.2	3575.7	3566.7	3504.1	3369.8	3414.6	3378.7	3423.5
10°	2430.0	2474.8	2559.8	2609.0	2698.5	2649.3	2506.1	2452.4	2425.5	2421.1	2465.8
12.5°	1942.2	1834.8	1825.9	1843.8	1888.5	1830.3	1758.7	1696.1	1727.4	1790.1	1839.3
15°	1503.7	1414.2	1297.8	1279.9	1288.8	1262.0	1185.9	1105.4	1127.7	1190.4	1226.2
17.5°	1154.6	1051.7	971.1	917.4	899.5	805.5	693.7	626.5	608.6	604.1	635.5
20°	778.7	760.8	747.4	680.2	680.2	546.0	452.0	402.8	402.8	411.7	416.2
22.5°	581.8	559.4	563.9	550.4	514.6	407.2	358.0	344.6	344.6	353.5	353.5
25°	505.7	474.4	465.4	460.9	425.1	349.1	313.3	299.8	299.8	308.8	308.8
27.5°	429.6	420.7	407.2	389.3	358.0	299.8	277.5	264.0	268.5	273.0	268.5
30°	393.8	371.4	353.5	353.5	317.7	268.5	250.6	241.7	232.7	241.7	246.1
32.5°	349.1	335.6	326.7	313.3	273.0	237.2	219.3	210.3	205.9	205.9	210.3
35°	299.8	299.8	290.9	273.0	237.2	214.8	192.4	183.5	179.0	183.5	183.5
37.5°	268.5	255.1	259.6	241.7	210.3	188.0	165.6	156.6	156.6	152.2	156.6
40°	250.6	228.2	214.8	205.9	188.0	161.1	143.2	134.3	129.8	129.8	129.8
42.5°	223.8	205.9	179.0	174.5	170.1	138.7	116.4	111.9	107.4	102.9	102.9
45°	210.3	183.5	161.1	138.7	138.7	116.4	98.5	89.5	85.0	80.6	85.0
47.5°	192.4	165.6	138.7	116.4	111.9	94.0	76.1	67.1	62.7	62.7	62.7
50°	183.5	147.7	120.8	98.5	85.0	76.1	58.2	49.2	44.8	44.8	44.8
52.5°	170.1	138.7	107.4	85.0	67.1	58.2	44.8	35.8	31.3	31.3	31.3
55°	152.2	125.3	94.0	71.6	58.2	44.8	31.3	22.4	17.9	17.9	17.9
57.5°	143.2	111.9	80.6	62.7	44.8	31.3	17.9	13.4	13.4	9.0	13.4
60°	129.8	98.5	67.1	49.2	35.8	22.4	13.4	4.5	4.5	4.5	4.5
62.5°	111.9	85.0	58.2	40.3	26.9	13.4	4.5	0.0	0.0	0.0	0.0
65°	94.0	67.1	44.8	31.3	17.9	4.5	0.0	0.0	0.0	0.0	0.0
67.5°	80.6	58.2	35.8	22.4	13.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	71.6	49.2	26.9	17.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	58.2	40.3	22.4	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	49.2	31.3	13.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	40.3	22.4	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	31.3	17.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	26.9	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	17.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.4	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: P599593
 CATALOG NUMBER: IFLD-L-SA7A-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0	6301.0
2.5°	5683.5	5656.6	5790.9	6010.1	6122.0	6341.3	6395.0	6533.7	6497.9	6547.2
5°	4703.4	4757.1	4954.0	5276.2	5392.6	5710.3	6010.1	6310.0	6502.4	6596.4
7.5°	3490.6	3669.6	3911.3	4206.7	4506.5	4922.7	5432.8	5781.9	5969.9	6171.3
10°	2600.1	2792.5	3070.0	3360.8	3848.6	4314.1	4824.2	5258.3	5419.4	5607.4
12.5°	2045.2	2345.0	2667.2	2980.5	3271.3	3714.4	4345.4	4976.4	5150.9	5294.1
15°	1423.1	1790.1	2251.0	2658.2	3065.5	3450.4	4103.7	4869.0	5106.2	5347.8
17.5°	787.6	1078.5	1606.6	2179.4	2779.1	3369.8	4184.3	5065.9	5423.9	5594.0
20°	456.5	572.8	948.7	1629.0	2421.1	3195.3	4224.6	5437.3	5911.7	5996.7
22.5°	375.9	416.2	537.0	1020.3	1982.5	3083.4	4430.4	5956.4	6439.8	6641.1
25°	322.2	353.5	416.2	613.1	1499.2	2846.2	4560.2	6605.3	7052.9	7272.1
27.5°	286.4	317.7	367.0	452.0	1020.3	2519.5	4775.0	7191.6	7639.1	7938.9
30°	250.6	277.5	326.7	384.9	707.1	2152.6	4958.5	7621.2	8252.2	8346.2
32.5°	223.8	246.1	281.9	331.2	523.6	1633.4	5106.2	8064.2	8596.8	8802.6
35°	192.4	219.3	241.7	281.9	398.3	1230.7	5016.7	8408.8	9102.5	9348.6
37.5°	170.1	188.0	210.3	237.2	335.6	962.2	4833.2	8820.5	9536.6	9764.8
40°	143.2	156.6	183.5	210.3	304.3	742.9	4622.8	9317.3	10145.2	10548.0
42.5°	120.8	134.3	152.2	196.9	250.6	550.4	4197.7	9702.2	10637.5	10977.6
45°	94.0	111.9	138.7	196.9	201.4	407.2	3759.1	9988.6	10914.9	11085.0
47.5°	71.6	89.5	134.3	170.1	161.1	281.9	3240.0	10315.3	11201.3	11358.0
50°	53.7	71.6	152.2	147.7	134.3	214.8	2913.3	10543.5	11219.2	11304.3
52.5°	35.8	53.7	125.3	111.9	111.9	188.0	2823.8	10534.5	11264.0	11080.5
55°	26.9	40.3	71.6	80.6	98.5	165.6	2743.3	10870.2	11277.4	11407.2
57.5°	17.9	31.3	49.2	62.7	85.0	143.2	2577.7	11272.9	11693.6	11760.7
60°	9.0	22.4	35.8	49.2	71.6	125.3	2345.0	11568.3	12199.3	12270.9
62.5°	4.5	13.4	26.9	40.3	58.2	98.5	2103.3	11098.4	11980.0	12105.3
65°	0.0	9.0	17.9	26.9	35.8	71.6	1709.5	10019.9	11111.8	11572.8
67.5°	0.0	0.0	9.0	17.9	22.4	53.7	1288.8	9115.9	10310.8	10937.3
70°	0.0	0.0	4.5	4.5	13.4	40.3	823.4	7549.6	9205.4	9550.0
72.5°	0.0	0.0	0.0	0.0	4.5	26.9	478.8	5607.4	7214.0	7853.9
75°	0.0	0.0	0.0	0.0	0.0	22.4	241.7	3607.0	5021.1	5880.4
77.5°	0.0	0.0	0.0	0.0	0.0	17.9	129.8	2327.1	3701.0	4421.5
80°	0.0	0.0	0.0	0.0	0.0	4.5	76.1	1351.5	2367.4	2868.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	31.3	662.3	1414.2	1655.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	9.0	353.5	707.1	930.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	49.2	94.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)