

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: P599072

Luminaire Tested: **IFLD-L-SA7B-827-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599072
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7B-827-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (112) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

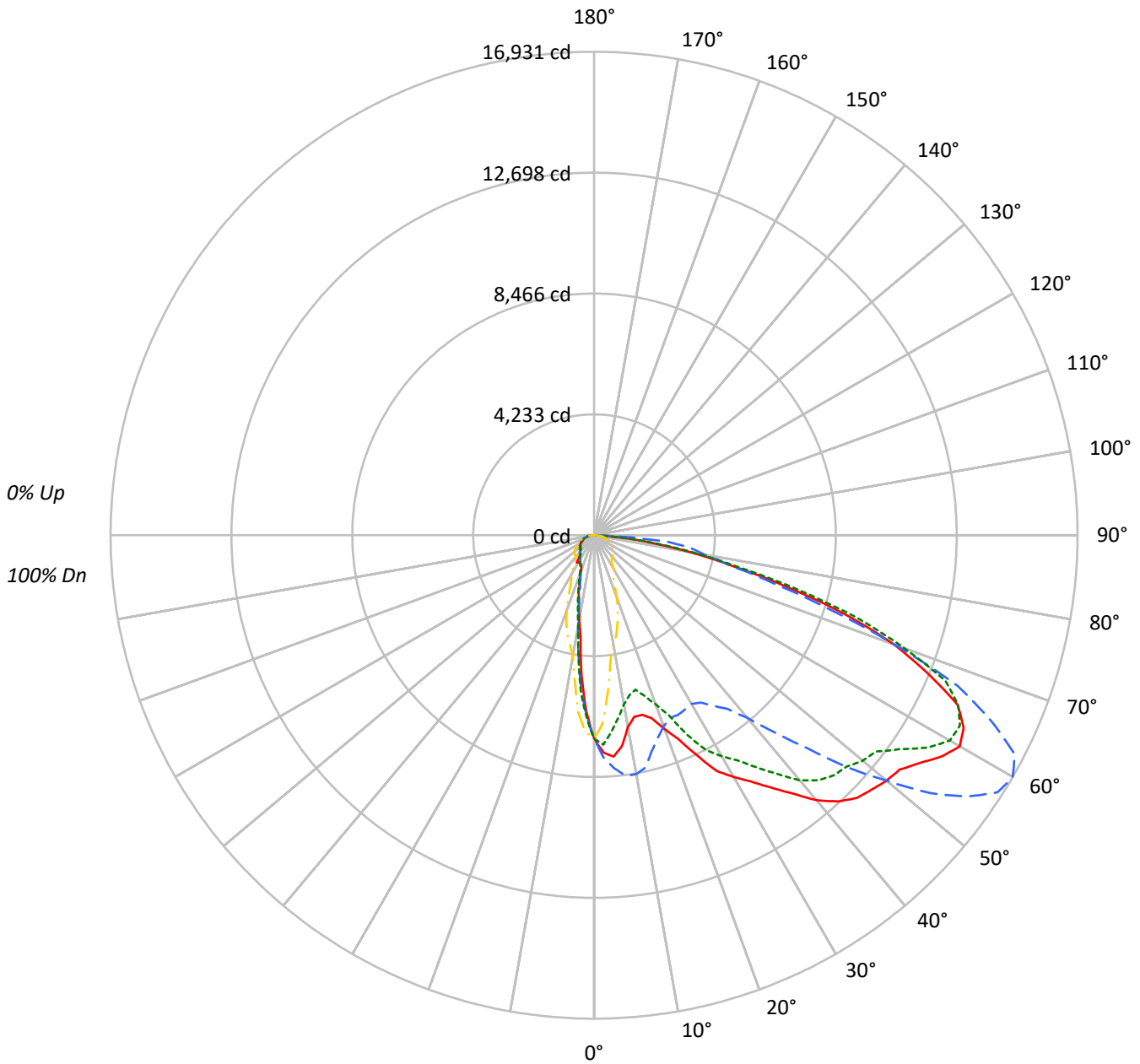
Lumens per Lamp: N/A
 Luminaire Lumens: 22267.5 lumens
 Efficiency: N/A
 Efficacy: 79.2 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 281
 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	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77				
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60				
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47				
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38				
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31				
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26				
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22				
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19				
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17				
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	38277	38277	38277	38277
5°	42052	37356	26789	29244
10°	37248	32876	16249	17437
15°	36270	31207	11503	11943
20°	41356	36094	7525	8317
25°	50387	45754	6570	6804
30°	60712	55493	6814	6323
35°	70805	65159	5646	5322
40°	85083	78698	5274	4997
45°	99016	90445	5338	4962
50°	111901	102804	5458	5128
55°	130502	122531	5654	5376
60°	159169	154810	5635	5635
65°	178878	179130	5787	6038
70°	175799	182017	6061	6217
75°	145015	154670	6367	6779
80°	104705	109909	7042	7349
85°	57947	62214	7929	9757

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.5	2.5
10°-20°	1166.5	5.2
20°-30°	1706.8	7.7
30°-40°	2404.8	10.8
40°-50°	3304.9	14.8
50°-60°	4504.1	20.2
60°-70°	4929.6	22.1
70°-80°	2846.0	12.8
80°-90°	852.3	3.8
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°	3425.8	15.4
0°-40°	5830.6	26.2
0°-60°	13639.6	61.3
0°-90°	22267.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22267.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7112	7112	7112	7112	7112	
5°	7784	6914	4959	5413	7784	707
15°	6510	5601	2064	2144	6510	1902
25°	8485	7705	1106	1146	8485	3973
35°	10777	9917	859	810	10777	6833
45°	13009	11883	701	652	13009	9999
55°	13908	13059	603	573	13908	12549
65°	14046	14066	454	474	14046	13444
75°	6974	7438	306	326	6974	7491
85°	938	1008	128	158	938	1302
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1
2.5°	7615.9	7586.2	7615.9	7724.5	7754.2	7803.6	7803.6	7734.4	7606.0	7546.7	7448.0
5°	7783.8	7734.4	7981.4	8208.6	8386.4	8366.6	8198.7	8060.4	7803.6	7418.3	7052.8
7.5°	7448.0	7497.3	7675.1	8267.8	8682.7	8761.7	8495.0	8218.4	7665.3	7131.9	6638.0
10°	6815.8	6884.9	7270.2	7882.6	8534.5	8662.9	8495.0	8159.2	7497.3	6835.5	6262.6
12.5°	6509.6	6667.6	6894.8	7635.6	8099.9	8406.1	8327.1	8109.8	7368.9	6588.6	6035.4
15°	6509.6	6549.1	6884.9	7507.2	7773.9	7783.8	7813.4	7853.0	7408.4	6697.2	5956.4
17.5°	6717.0	6825.6	7112.1	7497.3	7546.7	7428.2	7428.2	7596.1	7487.5	7003.4	6242.8
20°	7220.8	7181.3	7556.6	7714.7	7448.0	7151.6	7122.0	7408.4	7576.4	7329.4	6766.4
22.5°	7724.5	7902.3	8208.6	7853.0	7359.1	6963.9	6924.4	7280.0	7843.1	7892.5	7368.9
25°	8485.1	8662.9	8821.0	8386.4	7349.2	6914.5	6944.2	7220.8	8169.0	8692.6	8376.5
27.5°	9305.0	9413.7	9640.9	8969.2	7586.2	6855.3	6884.9	7299.8	8475.3	9216.1	9166.7
30°	9769.3	9887.8	9838.4	9077.8	7744.3	6894.8	6815.8	7408.4	8307.3	9216.1	9680.4
32.5°	10223.7	10154.5	10124.9	9255.6	7941.9	7141.7	6944.2	7635.6	8406.1	9364.3	10342.2
35°	10776.8	10678.0	10599.0	9601.3	8267.8	7378.8	7289.9	7932.0	8623.4	9670.5	10875.6
37.5°	11389.2	11389.2	11004.0	9858.2	8653.1	7764.1	7665.3	8356.7	8969.2	9858.2	11606.6
40°	12110.3	12140.0	11458.4	10203.9	9087.7	8376.5	8346.8	8909.9	9305.0	10134.8	12307.9
42.5°	12643.7	12663.5	11853.5	10332.3	9591.5	9226.0	9354.4	9798.9	9690.2	10381.7	12357.3
45°	13009.2	12910.4	12130.1	10697.8	10144.6	10500.2	10539.7	10668.2	10194.0	10529.9	12554.8
47.5°	13187.0	13167.3	12248.6	11122.5	11310.2	11794.2	12021.4	11843.6	10658.3	10371.8	12554.8
50°	13364.8	13196.9	12357.3	11705.3	12446.2	13424.1	13374.7	13048.7	11300.3	10569.4	12367.2
52.5°	13483.4	13335.2	12574.6	12228.9	13532.8	14639.1	14836.6	14234.1	12051.1	10934.9	12456.1
55°	13908.1	13789.6	13226.5	12940.1	14787.3	15923.2	15952.9	15113.2	12841.3	11537.4	13038.9
57.5°	14421.8	14490.9	14125.4	13947.6	15745.4	16861.6	16753.0	15765.2	13513.0	12268.4	13710.6
60°	14787.3	14895.9	14807.0	14826.8	16219.6	17177.7	16930.8	16170.2	14006.9	12821.5	14530.4
62.5°	14589.7	14807.0	15172.5	15093.5	16239.3	16950.5	16604.8	15636.8	14066.2	13542.6	15152.7
65°	14046.4	14066.2	14777.4	15212.0	15350.3	15775.0	15320.7	14520.6	13453.7	13987.1	15063.8
67.5°	12653.6	12811.7	13453.7	14303.2	13720.4	13819.2	13779.7	12624.0	12525.2	13680.9	14382.3
70°	11171.9	11280.6	11981.9	12979.6	11586.8	11122.5	11211.4	10352.1	10757.1	12732.6	13009.2
72.5°	9235.9	9305.0	10105.1	10984.3	9295.1	8465.4	8672.8	7971.5	8544.4	11142.3	10974.4
75°	6973.8	7102.2	7724.5	8761.7	6845.4	6312.0	6519.4	6233.0	6766.4	9176.6	8514.8
77.5°	4958.7	4859.9	5630.4	6855.3	5146.4	4830.3	4850.1	4899.5	5472.4	7734.4	6114.4
80°	3378.3	3407.9	4099.3	5027.9	4040.1	3990.7	3941.3	4336.4	4593.2	6124.3	4445.1
82.5°	2005.2	2005.2	2765.8	3575.8	3190.6	3595.6	3368.4	3724.0	3595.6	4504.3	2914.0
85°	938.4	938.4	1422.4	2578.1	2469.5	2963.4	2518.9	2815.2	2657.2	3141.2	1313.8
87.5°	158.0	138.3	286.5	1264.4	1017.4	1155.7	454.4	1501.4	1669.4	2192.9	326.0
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°	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1
2.5°	7339.3	7270.2	7131.9	6954.1	6805.9	6618.2	6558.9	6430.5	6252.7	6233.0	6153.9
5°	6914.5	6677.5	6381.1	6015.7	5768.7	5511.9	5294.6	5166.2	5018.0	4998.2	4958.7
7.5°	6450.3	6153.9	5660.1	5225.4	4800.7	4395.7	4198.1	3951.2	3783.2	3654.8	3595.6
10°	6015.7	5739.1	5126.6	4534.0	4158.6	3891.9	3654.8	3398.0	3190.6	3032.5	2973.3
12.5°	5729.2	5403.2	4741.4	4178.4	3901.8	3595.6	3328.9	3052.3	2785.6	2578.1	2469.5
15°	5600.8	5294.6	4622.9	4000.6	3595.6	3170.8	2864.6	2588.0	2262.0	2113.9	2064.5
17.5°	5907.0	5452.6	4583.4	3793.1	3220.2	2736.2	2360.8	2064.5	1827.4	1679.2	1620.0
20°	6302.1	5739.1	4652.5	3546.2	2864.6	2321.3	1906.4	1590.3	1432.3	1323.6	1313.8
22.5°	6805.9	6163.8	4761.2	3368.4	2469.5	1866.9	1491.6	1303.9	1195.2	1185.4	1165.6
25°	7704.8	6934.3	4939.0	3131.3	2153.4	1541.0	1274.3	1165.6	1116.2	1086.6	1106.3
27.5°	8475.3	7438.1	5067.4	2983.1	2025.0	1452.1	1234.7	1116.2	1066.8	1056.9	1066.8
30°	8929.6	7902.3	5027.9	2706.6	1768.1	1382.9	1313.8	1274.3	1175.5	1096.4	1096.4
32.5°	9344.5	8198.7	5018.0	2459.6	1511.3	1155.7	1096.4	1066.8	1126.1	1165.6	1136.0
35°	9917.4	8662.9	4988.4	2321.3	1402.7	1066.8	968.0	889.0	849.5	829.7	859.4
37.5°	10529.9	8979.0	4909.3	2301.6	1343.4	1017.4	938.4	859.4	819.9	800.1	790.2
40°	11201.6	9314.9	4820.4	2202.8	1313.8	987.8	908.8	839.6	790.2	760.6	750.7
42.5°	11636.2	9581.6	4731.5	2153.4	1254.5	968.0	879.1	819.9	770.5	731.0	731.0
45°	11883.1	9897.7	4642.6	2104.0	1185.4	977.9	879.1	800.1	740.8	721.1	701.3
47.5°	11991.8	10134.8	4613.0	2025.0	1126.1	938.4	859.4	780.4	721.1	681.6	671.7
50°	12278.3	10638.5	4721.6	1965.7	1056.9	898.9	908.8	770.5	711.2	661.8	651.9
52.5°	12446.2	11043.5	4958.7	1876.8	1007.5	849.5	889.0	750.7	681.6	632.2	632.2
55°	13058.6	11715.2	5215.5	1807.7	948.3	780.4	819.9	711.2	632.2	602.6	602.6
57.5°	13839.0	12426.4	5432.9	1778.0	908.8	731.0	731.0	691.5	602.6	563.0	553.2
60°	14382.3	13009.2	5561.3	1758.3	869.3	681.6	651.9	691.5	572.9	533.4	523.5
62.5°	14441.5	12673.4	5432.9	1748.4	859.4	632.2	592.7	661.8	543.3	503.8	484.0
65°	14066.2	11991.8	5077.3	1708.9	849.5	582.8	553.2	572.9	503.8	474.1	454.4
67.5°	13315.4	10885.5	4563.6	1689.1	839.6	543.3	503.8	493.9	464.3	434.6	414.9
70°	11567.1	9443.3	3961.0	1600.2	819.9	513.7	454.4	444.5	414.9	395.1	385.2
72.5°	9710.0	7724.5	3269.6	1481.7	780.4	464.3	414.9	395.1	385.2	355.6	345.7
75°	7438.1	5946.5	2617.7	1313.8	681.6	414.9	365.5	345.7	335.8	316.1	306.2
77.5°	5225.4	4425.3	1936.1	1066.8	572.9	375.4	326.0	306.2	296.3	266.7	266.7
80°	3546.2	3101.7	1313.8	740.8	444.5	306.2	286.5	266.7	246.9	227.2	227.2
82.5°	2202.8	2173.1	948.3	484.0	326.0	246.9	227.2	227.2	197.6	177.8	177.8
85°	1007.5	1333.5	661.8	335.8	246.9	187.7	187.7	177.8	158.0	128.4	128.4
87.5°	316.1	444.5	345.7	148.2	138.3	108.7	108.7	98.8	98.8	79.0	79.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1
2.5°	6233.0	6223.1	6223.1	6183.6	6282.4	6282.4	6341.6	6292.2	6321.9	6331.8	6410.8
5°	4948.8	5027.9	5087.1	5205.7	5274.8	5304.4	5304.4	5383.5	5353.8	5413.1	5531.6
7.5°	3625.2	3724.0	3901.8	4049.9	4168.5	4208.0	4198.1	4217.9	4247.5	4178.4	4198.1
10°	2933.7	2864.6	2923.9	3062.2	3170.8	3299.2	3200.4	3190.6	3220.2	3190.6	3249.8
12.5°	2449.7	2370.7	2321.3	2321.3	2400.3	2459.6	2430.0	2479.4	2588.0	2617.7	2686.8
15°	1985.5	1916.3	1876.8	1827.4	1906.4	1926.2	1955.8	2025.0	2104.0	2143.5	2222.5
17.5°	1590.3	1590.3	1590.3	1550.8	1580.5	1610.1	1620.0	1708.9	1718.8	1758.3	1787.9
20°	1303.9	1333.5	1382.9	1402.7	1432.3	1432.3	1412.5	1461.9	1422.4	1452.1	1471.8
22.5°	1175.5	1215.0	1234.7	1244.6	1284.1	1294.0	1244.6	1254.5	1264.4	1234.7	1244.6
25°	1106.3	1126.1	1106.3	1116.2	1126.1	1106.3	1116.2	1136.0	1126.1	1145.8	1136.0
27.5°	1076.7	1056.9	1047.1	1037.2	1037.2	1017.4	1027.3	1027.3	1047.1	1056.9	1056.9
30°	1076.7	1047.1	1007.5	977.9	977.9	948.3	968.0	987.8	997.7	1017.4	1017.4
32.5°	1106.3	1047.1	977.9	948.3	918.6	898.9	918.6	948.3	987.8	997.7	1007.5
35°	879.1	908.8	898.9	859.4	849.5	849.5	839.6	839.6	810.0	810.0	800.1
37.5°	790.2	780.4	800.1	810.0	819.9	790.2	790.2	750.7	740.8	750.7	750.7
40°	740.8	740.8	740.8	770.5	780.4	760.6	731.0	711.2	711.2	711.2	721.1
42.5°	721.1	701.3	691.5	711.2	740.8	721.1	691.5	681.6	681.6	691.5	691.5
45°	691.5	681.6	671.7	661.8	701.3	671.7	661.8	651.9	651.9	651.9	661.8
47.5°	661.8	651.9	632.2	632.2	642.1	632.2	622.3	622.3	622.3	642.1	642.1
50°	642.1	632.2	612.4	612.4	612.4	612.4	602.6	602.6	602.6	612.4	622.3
52.5°	612.4	602.6	592.7	582.8	582.8	582.8	582.8	582.8	582.8	592.7	602.6
55°	582.8	572.9	563.0	563.0	572.9	572.9	563.0	572.9	563.0	572.9	582.8
57.5°	553.2	543.3	533.4	543.3	553.2	543.3	543.3	543.3	543.3	543.3	553.2
60°	513.7	513.7	513.7	513.7	533.4	533.4	533.4	533.4	513.7	523.5	533.4
62.5°	493.9	484.0	484.0	493.9	503.8	503.8	513.7	503.8	493.9	503.8	503.8
65°	454.4	454.4	454.4	464.3	464.3	474.1	474.1	474.1	464.3	474.1	474.1
67.5°	424.8	424.8	424.8	424.8	444.5	444.5	444.5	444.5	434.6	434.6	444.5
70°	375.4	385.2	375.4	395.1	414.9	405.0	414.9	414.9	405.0	395.1	414.9
72.5°	345.7	345.7	345.7	345.7	375.4	375.4	375.4	385.2	375.4	365.5	375.4
75°	306.2	306.2	306.2	316.1	335.8	335.8	335.8	335.8	335.8	326.0	326.0
77.5°	266.7	276.6	266.7	276.6	296.3	286.5	296.3	306.2	296.3	286.5	286.5
80°	227.2	227.2	227.2	237.1	246.9	246.9	246.9	256.8	246.9	237.1	237.1
82.5°	177.8	177.8	187.7	187.7	197.6	197.6	197.6	207.4	197.6	187.7	187.7
85°	138.3	138.3	138.3	148.2	148.2	158.0	158.0	167.9	167.9	158.0	158.0
87.5°	88.9	79.0	88.9	88.9	98.8	98.8	88.9	79.0	88.9	79.0	69.1
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: P599072
 CATALOG NUMBER: IFLD-L-SA7B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1	7112.1
2.5°	6489.8	6667.6	6796.0	6884.9	7013.3	7260.3	7359.1	7536.9	7586.2	7615.9
5°	5581.0	5768.7	6045.3	6242.8	6470.0	6934.3	7289.9	7556.6	7675.1	7783.8
7.5°	4375.9	4622.9	4909.3	5166.2	5541.5	6114.4	6578.7	7131.9	7339.3	7448.0
10°	3417.8	3645.0	3961.0	4277.1	4800.7	5284.7	5946.5	6450.3	6736.7	6815.8
12.5°	2884.4	3151.1	3526.4	3911.7	4237.6	4790.8	5462.5	6193.5	6460.2	6509.6
15°	2449.7	2815.2	3200.4	3595.6	3970.9	4454.9	5176.0	6065.0	6460.2	6509.6
17.5°	2025.0	2350.9	2805.3	3230.1	3664.7	4326.5	5225.4	6173.7	6568.8	6717.0
20°	1610.1	1926.2	2281.8	2815.2	3407.9	4109.2	5334.1	6539.2	7062.7	7220.8
22.5°	1333.5	1471.8	1817.5	2331.2	3032.5	3961.0	5442.7	7112.1	7665.3	7724.5
25°	1165.6	1264.4	1481.7	1965.7	2736.2	3862.3	5699.6	7773.9	8485.1	8485.1
27.5°	1086.6	1126.1	1274.3	1708.9	2528.7	3773.4	5956.4	8504.9	9166.7	9305.0
30°	1066.8	1165.6	1244.6	1521.2	2301.6	3526.4	6193.5	9077.8	9759.4	9769.3
32.5°	1047.1	1027.3	1086.6	1323.6	2025.0	3269.6	6391.0	9660.6	10194.0	10223.7
35°	819.9	859.4	958.2	1165.6	1817.5	3081.9	6489.8	9976.7	10747.2	10776.8
37.5°	770.5	819.9	898.9	1076.7	1679.2	2923.9	6519.4	10589.1	11330.0	11389.2
40°	750.7	790.2	849.5	997.7	1570.6	2726.3	6578.7	11221.3	12189.4	12110.3
42.5°	711.2	760.6	819.9	958.2	1481.7	2578.1	6588.6	11567.1	12643.7	12643.7
45°	701.3	731.0	800.1	958.2	1382.9	2449.7	6430.5	11912.8	13167.3	13009.2
47.5°	661.8	721.1	780.4	928.5	1264.4	2321.3	6242.8	12090.6	13236.4	13187.0
50°	651.9	711.2	810.0	879.1	1195.2	2262.0	6203.3	12535.1	13374.7	13364.8
52.5°	632.2	691.5	839.6	839.6	1106.3	2183.0	6391.0	12732.6	13404.3	13483.4
55°	602.6	691.5	780.4	770.5	1027.3	2084.2	6598.5	13246.3	13927.9	13908.1
57.5°	582.8	671.7	740.8	701.3	938.4	2015.1	6904.7	13740.2	14560.1	14421.8
60°	553.2	671.7	661.8	651.9	869.3	1955.8	7161.5	13839.0	14698.4	14787.3
62.5°	533.4	701.3	582.8	602.6	810.0	1926.2	7052.8	13098.1	14510.7	14589.7
65°	513.7	602.6	533.4	553.2	790.2	1866.9	6628.1	12209.1	13700.7	14046.4
67.5°	474.1	493.9	493.9	513.7	770.5	1728.6	5758.8	10608.9	12465.9	12653.6
70°	434.6	444.5	444.5	474.1	750.7	1570.6	4751.3	9176.6	10816.3	11171.9
72.5°	395.1	395.1	395.1	434.6	691.5	1442.2	3911.7	7052.8	8988.9	9235.9
75°	345.7	345.7	345.7	385.2	622.3	1313.8	3081.9	5245.2	6618.2	6973.8
77.5°	306.2	306.2	296.3	345.7	543.3	1066.8	2222.5	3704.2	4662.4	4958.7
80°	256.8	246.9	246.9	276.6	424.8	770.5	1432.3	2617.7	3249.8	3378.3
82.5°	207.4	197.6	187.7	207.4	306.2	484.0	889.0	1827.4	2084.2	2005.2
85°	197.6	207.4	167.9	158.0	217.3	316.1	563.0	1126.1	938.4	938.4
87.5°	79.0	69.1	69.1	59.3	108.7	118.5	246.9	207.4	158.0	158.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)