

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: P598851

Luminaire Tested: **IFLD-S-SA2D-722-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598851
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2D-722-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (32) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

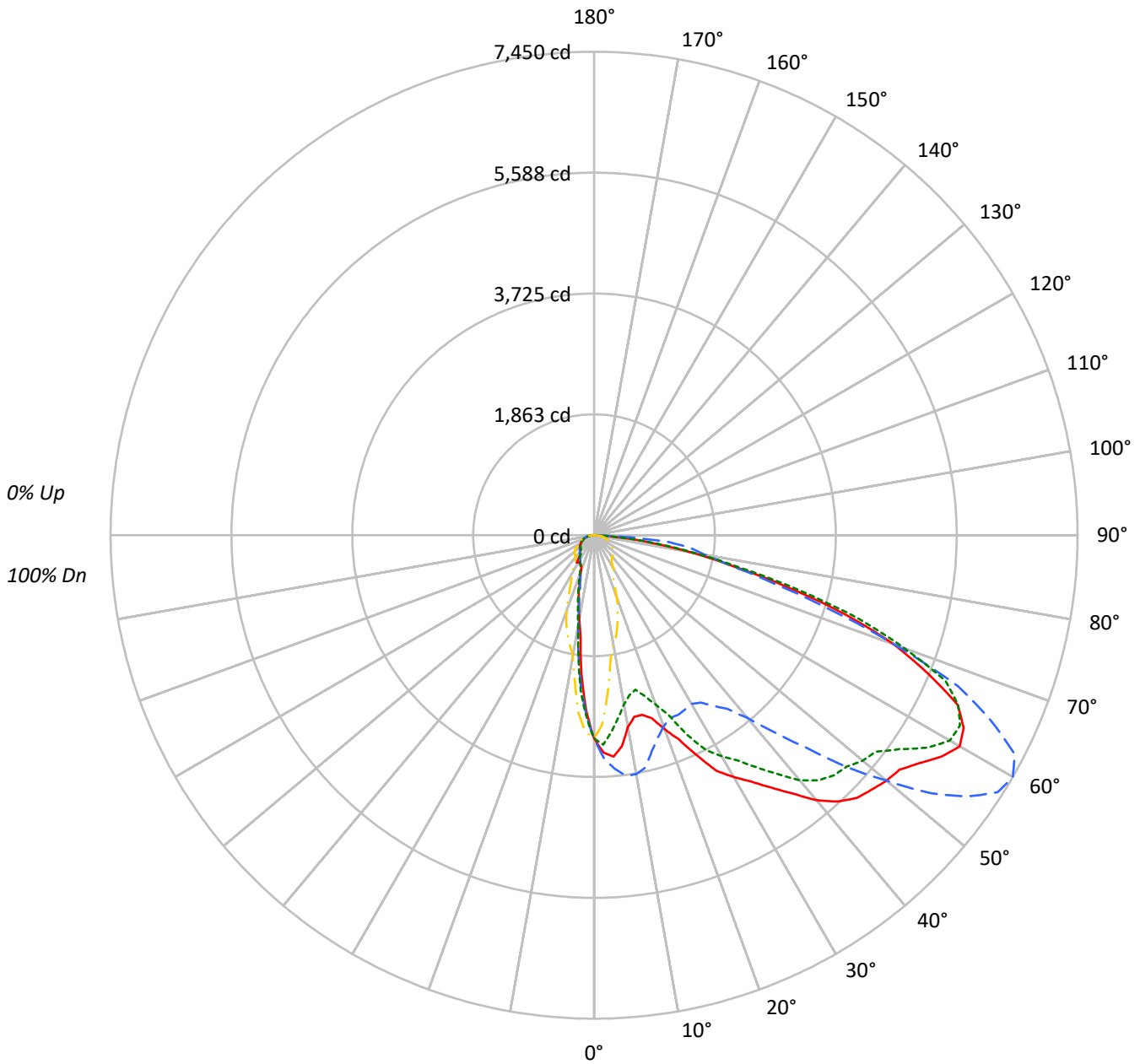
Lumens per Lamp: N/A
 Luminaire Lumens: 9799.0 lumens
 Efficiency: N/A
 Efficacy: 79.1 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

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				
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	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	80	80	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	62	62	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	50	50	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	40	40	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	34	34	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	29	29	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	25	25	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	22	22	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	19	19	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	67378	67378	67378	67378
5°	74021	65755	47155	51477
10°	65564	57868	28602	30691
15°	63844	54931	20248	21024
20°	72797	63535	13244	14639
25°	88695	80538	11565	11976
30°	106868	97683	11994	11129
35°	124633	114697	9939	9366
40°	149767	138529	9285	8796
45°	174291	159206	9395	8735
50°	196973	180961	9609	9026
55°	229715	215685	9954	9462
60°	280176	272504	9920	9920
65°	314870	315314	10188	10631
70°	309447	320393	10669	10946
75°	255262	272255	11212	11928
80°	184299	193461	12397	12930
85°	102013	109522	13956	17191

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.1	2.5
10°-20°	513.3	5.2
20°-30°	751.1	7.7
30°-40°	1058.2	10.8
40°-50°	1454.3	14.8
50°-60°	1982.1	20.2
60°-70°	2169.3	22.1
70°-80°	1252.4	12.8
80°-90°	375.1	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°	1507.6	15.4
0°-40°	2565.8	26.2
0°-60°	6002.2	61.3
0°-90°	9799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9799.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3130	3130	3130	3130	3130	
5°	3425	3043	2182	2382	3425	311
15°	2865	2465	908	943	2865	837
25°	3734	3391	487	504	3734	1749
35°	4742	4364	378	356	4742	3007
45°	5725	5229	309	287	5725	4400
55°	6120	5747	265	252	6120	5522
65°	6181	6190	200	209	6181	5916
75°	3069	3273	135	143	3069	3297
85°	413	443	56	70	413	573
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°	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8
2.5°	3351.4	3338.4	3351.4	3399.3	3412.3	3434.0	3434.0	3403.6	3347.1	3321.0	3277.5
5°	3425.3	3403.6	3512.3	3612.3	3690.5	3681.8	3607.9	3547.1	3434.0	3264.5	3103.7
7.5°	3277.5	3299.3	3377.5	3638.3	3820.9	3855.7	3738.3	3616.6	3373.2	3138.4	2921.1
10°	2999.3	3029.8	3199.3	3468.8	3755.7	3812.2	3738.3	3590.5	3299.3	3008.0	2755.9
12.5°	2864.6	2934.1	3034.1	3360.1	3564.4	3699.2	3664.4	3568.8	3242.8	2899.4	2655.9
15°	2864.6	2882.0	3029.8	3303.6	3421.0	3425.3	3438.4	3455.8	3260.2	2947.2	2621.2
17.5°	2955.9	3003.7	3129.8	3299.3	3321.0	3268.9	3268.9	3342.7	3294.9	3081.9	2747.2
20°	3177.6	3160.2	3325.4	3394.9	3277.5	3147.1	3134.1	3260.2	3334.1	3225.4	2977.6
22.5°	3399.3	3477.5	3612.3	3455.8	3238.4	3064.5	3047.2	3203.6	3451.4	3473.2	3242.8
25°	3734.0	3812.2	3881.8	3690.5	3234.1	3042.8	3055.9	3177.6	3594.9	3825.3	3686.2
27.5°	4094.8	4142.6	4242.6	3947.0	3338.4	3016.7	3029.8	3212.3	3729.6	4055.6	4033.9
30°	4299.1	4351.2	4329.5	3994.8	3408.0	3034.1	2999.3	3260.2	3655.7	4055.6	4259.9
32.5°	4499.0	4468.6	4455.5	4073.0	3494.9	3142.8	3055.9	3360.1	3699.2	4120.8	4551.2
35°	4742.4	4699.0	4664.2	4225.2	3638.3	3247.1	3208.0	3490.5	3794.8	4255.6	4785.9
37.5°	5011.9	5011.9	4842.4	4338.2	3807.9	3416.6	3373.2	3677.5	3947.0	4338.2	5107.6
40°	5329.3	5342.3	5042.4	4490.3	3999.1	3686.2	3673.1	3920.9	4094.8	4459.9	5416.2
42.5°	5564.0	5572.7	5216.3	4546.8	4220.8	4060.0	4116.5	4312.1	4264.3	4568.6	5437.9
45°	5724.8	5681.4	5338.0	4707.7	4464.2	4620.7	4638.1	4694.6	4486.0	4633.8	5524.9
47.5°	5803.1	5794.4	5390.1	4894.6	4977.2	5190.2	5290.1	5211.9	4690.3	4564.2	5524.9
50°	5881.3	5807.4	5437.9	5151.0	5477.1	5907.4	5885.7	5742.2	4972.8	4651.2	5442.3
52.5°	5933.5	5868.3	5533.6	5381.4	5955.2	6442.1	6529.0	6263.8	5303.2	4812.0	5481.4
55°	6120.4	6068.2	5820.5	5694.4	6507.3	7007.2	7020.2	6650.7	5650.9	5077.2	5737.9
57.5°	6346.4	6376.9	6216.0	6137.8	6928.9	7420.1	7372.3	6937.6	5946.5	5398.8	6033.5
60°	6507.3	6555.1	6516.0	6524.7	7137.6	7559.2	7450.5	7115.8	6163.9	5642.2	6394.3
62.5°	6420.3	6516.0	6676.8	6642.0	7146.3	7459.2	7307.1	6881.1	6190.0	5959.6	6668.1
65°	6181.3	6190.0	6502.9	6694.2	6755.0	6942.0	6742.0	6389.9	5920.4	6155.2	6629.0
67.5°	5568.3	5637.9	5920.4	6294.3	6037.8	6081.3	6063.9	5555.3	5511.8	6020.4	6329.1
70°	4916.3	4964.1	5272.8	5711.8	5098.9	4894.6	4933.7	4555.5	4733.7	5603.1	5724.8
72.5°	4064.3	4094.8	4446.9	4833.7	4090.4	3725.3	3816.6	3507.9	3760.0	4903.3	4829.4
75°	3068.9	3125.4	3399.3	3855.7	3012.4	2777.7	2868.9	2742.9	2977.6	4038.2	3747.0
77.5°	2182.1	2138.7	2477.7	3016.7	2264.7	2125.6	2134.3	2156.1	2408.2	3403.6	2690.7
80°	1486.6	1499.7	1804.0	2212.6	1777.9	1756.1	1734.4	1908.3	2021.3	2695.1	1956.1
82.5°	882.4	882.4	1217.1	1573.6	1404.0	1582.3	1482.3	1638.8	1582.3	1982.2	1282.3
85°	413.0	413.0	626.0	1134.5	1086.7	1304.1	1108.5	1238.9	1169.3	1382.3	578.1
87.5°	69.6	60.9	126.1	556.4	447.7	508.6	200.0	660.7	734.6	965.0	143.4
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°	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8
2.5°	3229.7	3199.3	3138.4	3060.2	2995.0	2912.4	2886.3	2829.8	2751.6	2742.9	2708.1
5°	3042.8	2938.5	2808.1	2647.2	2538.6	2425.6	2329.9	2273.4	2208.2	2199.5	2182.1
7.5°	2838.5	2708.1	2490.8	2299.5	2112.6	1934.4	1847.4	1738.8	1664.9	1608.3	1582.3
10°	2647.2	2525.5	2256.0	1995.2	1830.0	1712.7	1608.3	1495.3	1404.0	1334.5	1308.4
12.5°	2521.2	2377.7	2086.5	1838.7	1717.0	1582.3	1464.9	1343.2	1225.8	1134.5	1086.7
15°	2464.7	2329.9	2034.3	1760.5	1582.3	1395.3	1260.6	1138.9	995.4	930.2	908.5
17.5°	2599.4	2399.5	2017.0	1669.2	1417.1	1204.1	1038.9	908.5	804.2	739.0	712.9
20°	2773.3	2525.5	2047.4	1560.5	1260.6	1021.5	838.9	699.8	630.3	582.5	578.1
22.5°	2995.0	2712.5	2095.2	1482.3	1086.7	821.6	656.4	573.8	526.0	521.6	512.9
25°	3390.6	3051.5	2173.4	1378.0	947.6	678.1	560.7	512.9	491.2	478.2	486.9
27.5°	3729.6	3273.2	2229.9	1312.8	891.1	639.0	543.4	491.2	469.5	465.1	469.5
30°	3929.6	3477.5	2212.6	1191.0	778.1	608.6	578.1	560.7	517.3	482.5	482.5
32.5°	4112.1	3607.9	2208.2	1082.4	665.1	508.6	482.5	469.5	495.5	512.9	499.9
35°	4364.3	3812.2	2195.2	1021.5	617.3	469.5	426.0	391.2	373.8	365.1	378.2
37.5°	4633.8	3951.3	2160.4	1012.8	591.2	447.7	413.0	378.2	360.8	352.1	347.8
40°	4929.4	4099.1	2121.3	969.4	578.1	434.7	399.9	369.5	347.8	334.7	330.4
42.5°	5120.6	4216.5	2082.2	947.6	552.1	426.0	386.9	360.8	339.1	321.7	321.7
45°	5229.3	4355.6	2043.0	925.9	521.6	430.3	386.9	352.1	326.0	317.3	308.6
47.5°	5277.1	4459.9	2030.0	891.1	495.5	413.0	378.2	343.4	317.3	299.9	295.6
50°	5403.2	4681.6	2077.8	865.0	465.1	395.6	399.9	339.1	313.0	291.2	286.9
52.5°	5477.1	4859.8	2182.1	825.9	443.4	373.8	391.2	330.4	299.9	278.2	278.2
55°	5746.6	5155.4	2295.2	795.5	417.3	343.4	360.8	313.0	278.2	265.2	265.2
57.5°	6090.0	5468.4	2390.8	782.4	399.9	321.7	321.7	304.3	265.2	247.8	243.4
60°	6329.1	5724.8	2447.3	773.7	382.5	299.9	286.9	304.3	252.1	234.7	230.4
62.5°	6355.1	5577.0	2390.8	769.4	378.2	278.2	260.8	291.2	239.1	221.7	213.0
65°	6190.0	5277.1	2234.3	752.0	373.8	256.5	243.4	252.1	221.7	208.7	200.0
67.5°	5859.6	4790.3	2008.3	743.3	369.5	239.1	221.7	217.3	204.3	191.3	182.6
70°	5090.2	4155.6	1743.1	704.2	360.8	226.0	200.0	195.6	182.6	173.9	169.5
72.5°	4273.0	3399.3	1438.8	652.0	343.4	204.3	182.6	173.9	169.5	156.5	152.1
75°	3273.2	2616.8	1151.9	578.1	299.9	182.6	160.8	152.1	147.8	139.1	134.8
77.5°	2299.5	1947.4	852.0	469.5	252.1	165.2	143.4	134.8	130.4	117.4	117.4
80°	1560.5	1364.9	578.1	326.0	195.6	134.8	126.1	117.4	108.7	100.0	100.0
82.5°	969.4	956.3	417.3	213.0	143.4	108.7	100.0	100.0	86.9	78.2	78.2
85°	443.4	586.8	291.2	147.8	108.7	82.6	82.6	78.2	69.6	56.5	56.5
87.5°	139.1	195.6	152.1	65.2	60.9	47.8	47.8	43.5	43.5	34.8	34.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8
2.5°	2742.9	2738.5	2738.5	2721.1	2764.6	2764.6	2790.7	2769.0	2782.0	2786.3	2821.1
5°	2177.8	2212.6	2238.6	2290.8	2321.2	2334.3	2334.3	2369.0	2356.0	2382.1	2434.3
7.5°	1595.3	1638.8	1717.0	1782.2	1834.4	1851.8	1847.4	1856.1	1869.2	1838.7	1847.4
10°	1291.0	1260.6	1286.7	1347.5	1395.3	1451.9	1408.4	1404.0	1417.1	1404.0	1430.1
12.5°	1078.0	1043.3	1021.5	1021.5	1056.3	1082.4	1069.3	1091.1	1138.9	1151.9	1182.4
15°	873.7	843.3	825.9	804.2	838.9	847.6	860.7	891.1	925.9	943.3	978.0
17.5°	699.8	699.8	699.8	682.5	695.5	708.5	712.9	752.0	756.4	773.7	786.8
20°	573.8	586.8	608.6	617.3	630.3	630.3	621.6	643.3	626.0	639.0	647.7
22.5°	517.3	534.7	543.4	547.7	565.1	569.4	547.7	552.1	556.4	543.4	547.7
25°	486.9	495.5	486.9	491.2	495.5	486.9	491.2	499.9	495.5	504.2	499.9
27.5°	473.8	465.1	460.8	456.4	456.4	447.7	452.1	452.1	460.8	465.1	465.1
30°	473.8	460.8	443.4	430.3	430.3	417.3	426.0	434.7	439.0	447.7	447.7
32.5°	486.9	460.8	430.3	417.3	404.3	395.6	404.3	417.3	434.7	439.0	443.4
35°	386.9	399.9	395.6	378.2	373.8	373.8	369.5	369.5	356.4	356.4	352.1
37.5°	347.8	343.4	352.1	356.4	360.8	347.8	347.8	330.4	326.0	330.4	330.4
40°	326.0	326.0	326.0	339.1	343.4	334.7	321.7	313.0	313.0	313.0	317.3
42.5°	317.3	308.6	304.3	313.0	326.0	317.3	304.3	299.9	299.9	304.3	304.3
45°	304.3	299.9	295.6	291.2	308.6	295.6	291.2	286.9	286.9	286.9	291.2
47.5°	291.2	286.9	278.2	278.2	282.5	278.2	273.9	273.9	273.9	282.5	282.5
50°	282.5	278.2	269.5	269.5	269.5	269.5	265.2	265.2	265.2	269.5	273.9
52.5°	269.5	265.2	260.8	256.5	256.5	256.5	256.5	256.5	256.5	260.8	265.2
55°	256.5	252.1	247.8	247.8	252.1	252.1	247.8	252.1	247.8	252.1	256.5
57.5°	243.4	239.1	234.7	239.1	243.4	239.1	239.1	239.1	239.1	239.1	243.4
60°	226.0	226.0	226.0	226.0	234.7	234.7	234.7	234.7	226.0	230.4	234.7
62.5°	217.3	213.0	213.0	217.3	221.7	221.7	226.0	221.7	217.3	221.7	221.7
65°	200.0	200.0	200.0	204.3	204.3	208.7	208.7	208.7	204.3	208.7	208.7
67.5°	186.9	186.9	186.9	186.9	195.6	195.6	195.6	195.6	191.3	191.3	195.6
70°	165.2	169.5	165.2	173.9	182.6	178.2	182.6	182.6	178.2	173.9	182.6
72.5°	152.1	152.1	152.1	152.1	165.2	165.2	165.2	169.5	165.2	160.8	165.2
75°	134.8	134.8	134.8	139.1	147.8	147.8	147.8	147.8	147.8	143.4	143.4
77.5°	117.4	121.7	117.4	121.7	130.4	126.1	130.4	134.8	130.4	126.1	126.1
80°	100.0	100.0	100.0	104.3	108.7	108.7	108.7	113.0	108.7	104.3	104.3
82.5°	78.2	78.2	82.6	82.6	86.9	86.9	86.9	91.3	86.9	82.6	82.6
85°	60.9	60.9	60.9	65.2	65.2	69.6	69.6	73.9	73.9	69.6	69.6
87.5°	39.1	34.8	39.1	39.1	43.5	43.5	39.1	34.8	39.1	34.8	30.4
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: P598851
 CATALOG NUMBER: IFLD-S-SA2D-722-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8
2.5°	2855.9	2934.1	2990.7	3029.8	3086.3	3195.0	3238.4	3316.7	3338.4	3351.4
5°	2456.0	2538.6	2660.3	2747.2	2847.2	3051.5	3208.0	3325.4	3377.5	3425.3
7.5°	1925.7	2034.3	2160.4	2273.4	2438.6	2690.7	2895.0	3138.4	3229.7	3277.5
10°	1504.0	1604.0	1743.1	1882.2	2112.6	2325.6	2616.8	2838.5	2964.6	2999.3
12.5°	1269.3	1386.7	1551.8	1721.4	1864.8	2108.2	2403.8	2725.5	2842.9	2864.6
15°	1078.0	1238.9	1408.4	1582.3	1747.4	1960.4	2277.8	2669.0	2842.9	2864.6
17.5°	891.1	1034.6	1234.5	1421.4	1612.7	1903.9	2299.5	2716.8	2890.7	2955.9
20°	708.5	847.6	1004.1	1238.9	1499.7	1808.3	2347.3	2877.6	3108.0	3177.6
22.5°	586.8	647.7	799.8	1025.9	1334.5	1743.1	2395.1	3129.8	3373.2	3399.3
25°	512.9	556.4	652.0	865.0	1204.1	1699.6	2508.1	3421.0	3734.0	3734.0
27.5°	478.2	495.5	560.7	752.0	1112.8	1660.5	2621.2	3742.7	4033.9	4094.8
30°	469.5	512.9	547.7	669.4	1012.8	1551.8	2725.5	3994.8	4294.7	4299.1
32.5°	460.8	452.1	478.2	582.5	891.1	1438.8	2812.4	4251.2	4486.0	4499.0
35°	360.8	378.2	421.6	512.9	799.8	1356.2	2855.9	4390.3	4729.4	4742.4
37.5°	339.1	360.8	395.6	473.8	739.0	1286.7	2868.9	4659.9	4985.9	5011.9
40°	330.4	347.8	373.8	439.0	691.2	1199.7	2895.0	4938.1	5364.0	5329.3
42.5°	313.0	334.7	360.8	421.6	652.0	1134.5	2899.4	5090.2	5564.0	5564.0
45°	308.6	321.7	352.1	421.6	608.6	1078.0	2829.8	5242.3	5794.4	5724.8
47.5°	291.2	317.3	343.4	408.6	556.4	1021.5	2747.2	5320.6	5824.8	5803.1
50°	286.9	313.0	356.4	386.9	526.0	995.4	2729.8	5516.2	5885.7	5881.3
52.5°	278.2	304.3	369.5	369.5	486.9	960.7	2812.4	5603.1	5898.7	5933.5
55°	265.2	304.3	343.4	339.1	452.1	917.2	2903.7	5829.2	6129.1	6120.4
57.5°	256.5	295.6	326.0	308.6	413.0	886.8	3038.5	6046.5	6407.3	6346.4
60°	243.4	295.6	291.2	286.9	382.5	860.7	3151.5	6090.0	6468.2	6507.3
62.5°	234.7	308.6	256.5	265.2	356.4	847.6	3103.7	5764.0	6385.6	6420.3
65°	226.0	265.2	234.7	243.4	347.8	821.6	2916.8	5372.7	6029.1	6181.3
67.5°	208.7	217.3	217.3	226.0	339.1	760.7	2534.2	4668.5	5485.8	5568.3
70°	191.3	195.6	195.6	208.7	330.4	691.2	2090.8	4038.2	4759.8	4916.3
72.5°	173.9	173.9	173.9	191.3	304.3	634.6	1721.4	3103.7	3955.7	4064.3
75°	152.1	152.1	152.1	169.5	273.9	578.1	1356.2	2308.2	2912.4	3068.9
77.5°	134.8	134.8	130.4	152.1	239.1	469.5	978.0	1630.1	2051.7	2182.1
80°	113.0	108.7	108.7	121.7	186.9	339.1	630.3	1151.9	1430.1	1486.6
82.5°	91.3	86.9	82.6	91.3	134.8	213.0	391.2	804.2	917.2	882.4
85°	86.9	91.3	73.9	69.6	95.6	139.1	247.8	495.5	413.0	413.0
87.5°	34.8	30.4	30.4	26.1	47.8	52.2	108.7	91.3	69.6	69.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)