

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: P599084

Luminaire Tested: **IFLD-S-SA2E-830-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599084
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2E-830-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (32) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

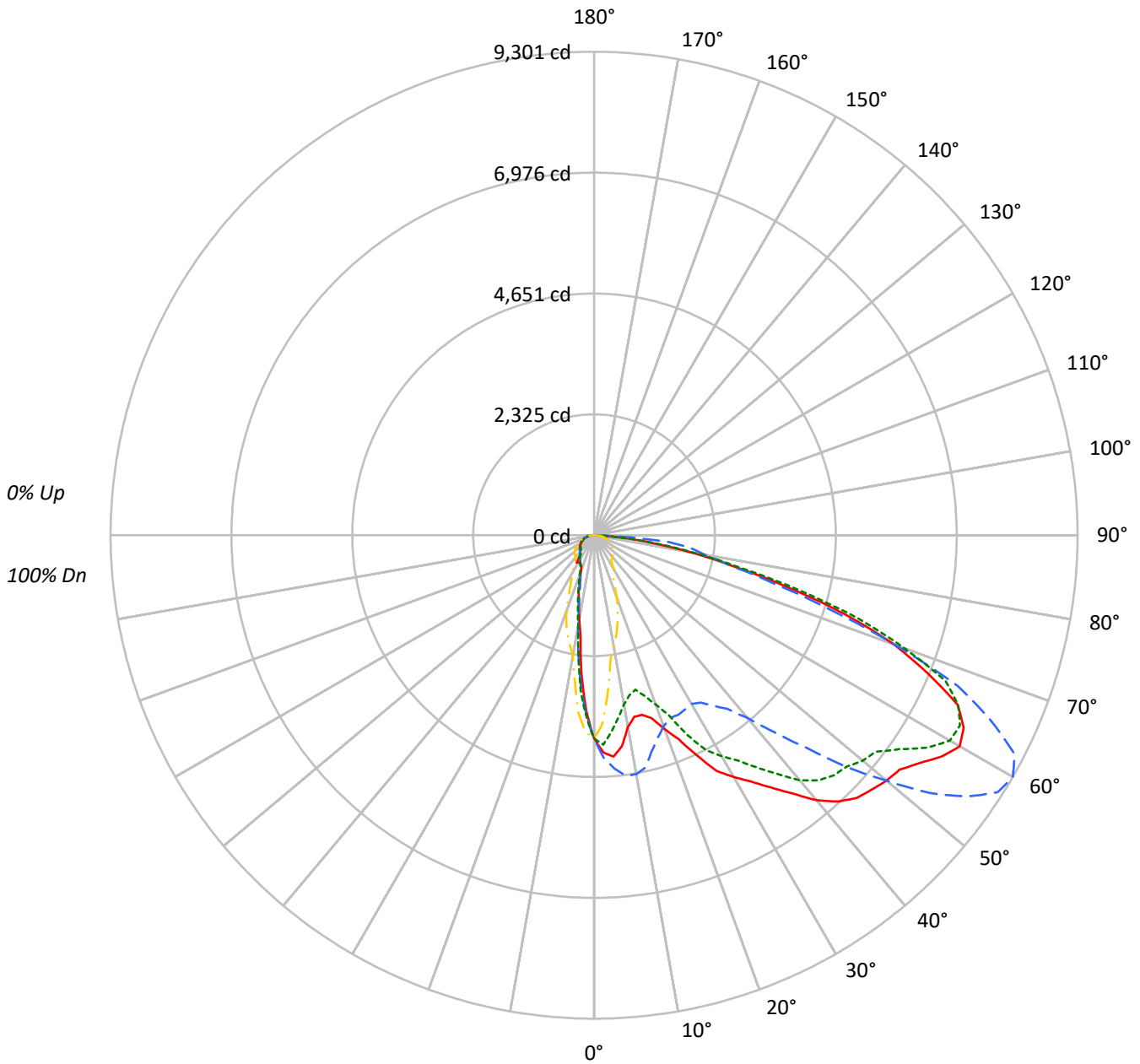
Lumens per Lamp: N/A
 Luminaire Lumens: 12233.2 lumens
 Efficiency: N/A
 Efficacy: 78.3 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 156.2
 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	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°	84114	84114	84114	84114
5°	92409	82090	58870	64264
10°	81852	72243	35706	38316
15°	79704	68576	25278	26245
20°	90879	79317	16534	18275
25°	110726	100543	14437	14953
30°	133414	121947	14975	13893
35°	155594	143187	12407	11695
40°	186969	172941	11590	10980
45°	217587	198754	11730	10905
50°	245904	225913	11997	11270
55°	286779	269263	12423	11812
60°	349771	340191	12383	12383
65°	393082	393638	12714	13270
70°	386320	399979	13319	13665
75°	318668	339887	13990	14897
80°	230083	241526	15472	16141
85°	127331	136717	17414	21440

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.5	2.5
10°-20°	640.9	5.2
20°-30°	937.7	7.7
30°-40°	1321.1	10.8
40°-50°	1815.6	14.8
50°-60°	2474.5	20.2
60°-70°	2708.2	22.1
70°-80°	1563.5	12.8
80°-90°	468.2	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°	1882.1	15.4
0°-40°	3203.2	26.2
0°-60°	7493.2	61.3
0°-90°	12233.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12233.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3907	3907	3907	3907	3907	
5°	4276	3799	2724	2974	4276	388
15°	3576	3077	1134	1178	3576	1045
25°	4662	4233	608	630	4662	2183
35°	5920	5448	472	445	5920	3754
45°	7147	6528	385	358	7147	5493
55°	7641	7174	331	315	7641	6894
65°	7717	7728	250	260	7717	7386
75°	3831	4086	168	179	3831	4116
85°	516	554	70	87	516	715
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°	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2
2.5°	4184.0	4167.7	4184.0	4243.7	4259.9	4287.1	4287.1	4249.1	4178.5	4146.0	4091.7
5°	4276.2	4249.1	4384.8	4509.6	4607.2	4596.4	4504.1	4428.2	4287.1	4075.4	3874.6
7.5°	4091.7	4118.8	4216.5	4542.1	4770.0	4813.5	4666.9	4515.0	4211.1	3918.1	3646.7
10°	3744.4	3782.4	3994.0	4330.5	4688.6	4759.2	4666.9	4482.4	4118.8	3755.3	3440.5
12.5°	3576.2	3663.0	3787.8	4194.8	4449.9	4618.1	4574.7	4455.3	4048.3	3619.6	3315.7
15°	3576.2	3597.9	3782.4	4124.3	4270.8	4276.2	4292.5	4314.2	4070.0	3679.3	3272.3
17.5°	3690.1	3749.8	3907.2	4118.8	4146.0	4080.9	4080.9	4173.1	4113.4	3847.5	3429.7
20°	3966.9	3945.2	4151.4	4238.2	4091.7	3928.9	3912.6	4070.0	4162.3	4026.6	3717.3
22.5°	4243.7	4341.3	4509.6	4314.2	4042.9	3825.8	3804.1	3999.5	4308.8	4335.9	4048.3
25°	4661.5	4759.2	4846.0	4607.2	4037.4	3798.7	3815.0	3966.9	4487.9	4775.5	4601.8
27.5°	5111.9	5171.6	5296.4	4927.4	4167.7	3766.1	3782.4	4010.3	4656.1	5063.1	5036.0
30°	5367.0	5432.1	5405.0	4987.1	4254.5	3787.8	3744.4	4070.0	4563.8	5063.1	5318.1
32.5°	5616.6	5578.6	5562.3	5084.8	4363.0	3923.5	3815.0	4194.8	4618.1	5144.5	5681.7
35°	5920.5	5866.2	5822.8	5274.7	4542.1	4053.7	4004.9	4357.6	4737.5	5312.7	5974.8
37.5°	6257.0	6257.0	6045.3	5415.8	4753.8	4265.4	4211.1	4591.0	4927.4	5415.8	6376.3
40°	6653.1	6669.4	6294.9	5605.8	4992.5	4601.8	4585.5	4894.9	5111.9	5567.8	6761.6
42.5°	6946.1	6957.0	6512.0	5676.3	5269.3	5068.5	5139.1	5383.3	5323.6	5703.4	6788.8
45°	7146.9	7092.7	6664.0	5877.1	5573.2	5768.6	5790.3	5860.8	5600.3	5784.8	6897.3
47.5°	7244.6	7233.8	6729.1	6110.4	6213.5	6479.5	6604.3	6506.6	5855.4	5698.0	6897.3
50°	7342.3	7250.0	6788.8	6430.6	6837.6	7374.9	7347.7	7168.6	6208.1	5806.5	6794.2
52.5°	7407.4	7326.0	6908.2	6718.2	7434.5	8042.3	8150.9	7819.8	6620.5	6007.3	6843.0
55°	7640.8	7575.6	7266.3	7108.9	8123.7	8747.8	8764.1	8302.8	7054.7	6338.4	7163.2
57.5°	7922.9	7960.9	7760.1	7662.5	8650.1	9263.3	9203.6	8661.0	7423.7	6739.9	7532.2
60°	8123.7	8183.4	8134.6	8145.4	8910.6	9437.0	9301.3	8883.5	7695.0	7043.8	7982.6
62.5°	8015.2	8134.6	8335.4	8292.0	8921.5	9312.2	9122.2	8590.4	7727.6	7440.0	8324.5
65°	7716.7	7727.6	8118.3	8357.1	8433.1	8666.4	8416.8	7977.2	7391.1	7684.2	8275.7
67.5°	6951.6	7038.4	7391.1	7857.8	7537.7	7591.9	7570.2	6935.3	6881.0	7515.9	7901.2
70°	6137.6	6197.3	6582.6	7130.7	6365.5	6110.4	6159.3	5687.2	5909.7	6995.0	7146.9
72.5°	5073.9	5111.9	5551.5	6034.5	5106.5	4650.7	4764.6	4379.3	4694.1	6121.3	6029.0
75°	3831.2	3901.8	4243.7	4813.5	3760.7	3467.6	3581.6	3424.2	3717.3	5041.4	4677.8
77.5°	2724.2	2669.9	3093.2	3766.1	2827.3	2653.6	2664.5	2691.6	3006.4	4249.1	3359.1
80°	1855.9	1872.2	2252.1	2762.2	2219.5	2192.4	2165.2	2382.3	2523.4	3364.5	2442.0
82.5°	1101.6	1101.6	1519.5	1964.5	1752.8	1975.3	1850.5	2045.9	1975.3	2474.6	1600.9
85°	515.5	515.5	781.4	1416.4	1356.7	1628.0	1383.8	1546.6	1459.8	1725.7	721.7
87.5°	86.8	76.0	157.4	694.6	558.9	634.9	249.6	824.9	917.1	1204.7	179.1
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°	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2
2.5°	4032.0	3994.0	3918.1	3820.4	3739.0	3635.9	3603.3	3532.8	3435.1	3424.2	3380.8
5°	3798.7	3668.4	3505.6	3304.8	3169.2	3028.1	2908.7	2838.2	2756.8	2745.9	2724.2
7.5°	3543.6	3380.8	3109.5	2870.7	2637.4	2414.9	2306.3	2170.7	2078.4	2007.9	1975.3
10°	3304.8	3152.9	2816.4	2490.8	2284.6	2138.1	2007.9	1866.8	1752.8	1666.0	1633.4
12.5°	3147.5	2968.4	2604.8	2295.5	2143.5	1975.3	1828.8	1676.8	1530.3	1416.4	1356.7
15°	3076.9	2908.7	2539.7	2197.8	1975.3	1742.0	1573.7	1421.8	1242.7	1161.3	1134.2
17.5°	3245.2	2995.5	2518.0	2083.8	1769.1	1503.2	1297.0	1134.2	1003.9	922.5	890.0
20°	3462.2	3152.9	2556.0	1948.2	1573.7	1275.3	1047.3	873.7	786.9	727.2	721.7
22.5°	3739.0	3386.2	2615.7	1850.5	1356.7	1025.6	819.4	716.3	656.6	651.2	640.3
25°	4232.8	3809.5	2713.3	1720.3	1183.0	846.6	700.0	640.3	613.2	596.9	607.8
27.5°	4656.1	4086.3	2783.9	1638.9	1112.5	797.7	678.3	613.2	586.1	580.7	586.1
30°	4905.7	4341.3	2762.2	1486.9	971.4	759.7	721.7	700.0	645.8	602.4	602.4
32.5°	5133.6	4504.1	2756.8	1351.2	830.3	634.9	602.4	586.1	618.6	640.3	624.1
35°	5448.4	4759.2	2740.5	1275.3	770.6	586.1	531.8	488.4	466.7	455.8	472.1
37.5°	5784.8	4932.8	2697.1	1264.4	738.0	558.9	515.5	472.1	450.4	439.6	434.1
40°	6153.9	5117.4	2648.2	1210.1	721.7	542.7	499.3	461.3	434.1	417.9	412.4
42.5°	6392.6	5263.9	2599.4	1183.0	689.2	531.8	483.0	450.4	423.3	401.6	401.6
45°	6528.3	5437.5	2550.5	1155.9	651.2	537.2	483.0	439.6	407.0	396.1	385.3
47.5°	6588.0	5567.8	2534.3	1112.5	618.6	515.5	472.1	428.7	396.1	374.4	369.0
50°	6745.4	5844.5	2594.0	1079.9	580.7	493.8	499.3	423.3	390.7	363.6	358.2
52.5°	6837.6	6067.0	2724.2	1031.1	553.5	466.7	488.4	412.4	374.4	347.3	347.3
55°	7174.1	6436.0	2865.3	993.1	521.0	428.7	450.4	390.7	347.3	331.0	331.0
57.5°	7602.8	6826.8	2984.7	976.8	499.3	401.6	401.6	379.9	331.0	309.3	303.9
60°	7901.2	7146.9	3055.2	965.9	477.5	374.4	358.2	379.9	314.7	293.0	287.6
62.5°	7933.8	6962.4	2984.7	960.5	472.1	347.3	325.6	363.6	298.5	276.8	265.9
65°	7727.6	6588.0	2789.3	938.8	466.7	320.2	303.9	314.7	276.8	260.5	249.6
67.5°	7315.2	5980.2	2507.1	928.0	461.3	298.5	276.8	271.3	255.1	238.8	227.9
70°	6354.6	5187.9	2176.1	879.1	450.4	282.2	249.6	244.2	227.9	217.1	211.6
72.5°	5334.4	4243.7	1796.2	814.0	428.7	255.1	227.9	217.1	211.6	195.4	189.9
75°	4086.3	3266.9	1438.1	721.7	374.4	227.9	200.8	189.9	184.5	173.7	168.2
77.5°	2870.7	2431.2	1063.6	586.1	314.7	206.2	179.1	168.2	162.8	146.5	146.5
80°	1948.2	1704.0	721.7	407.0	244.2	168.2	157.4	146.5	135.7	124.8	124.8
82.5°	1210.1	1193.9	521.0	265.9	179.1	135.7	124.8	124.8	108.5	97.7	97.7
85°	553.5	732.6	363.6	184.5	135.7	103.1	103.1	97.7	86.8	70.5	70.5
87.5°	173.7	244.2	189.9	81.4	76.0	59.7	59.7	54.3	54.3	43.4	43.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2
2.5°	3424.2	3418.8	3418.8	3397.1	3451.4	3451.4	3483.9	3456.8	3473.1	3478.5	3521.9
5°	2718.8	2762.2	2794.7	2859.9	2897.8	2914.1	2914.1	2957.5	2941.3	2973.8	3038.9
7.5°	1991.6	2045.9	2143.5	2224.9	2290.1	2311.8	2306.3	2317.2	2333.5	2295.5	2306.3
10°	1611.7	1573.7	1606.3	1682.3	1742.0	1812.5	1758.2	1752.8	1769.1	1752.8	1785.4
12.5°	1345.8	1302.4	1275.3	1275.3	1318.7	1351.2	1335.0	1362.1	1421.8	1438.1	1476.1
15°	1090.8	1052.8	1031.1	1003.9	1047.3	1058.2	1074.5	1112.5	1155.9	1177.6	1221.0
17.5°	873.7	873.7	873.7	852.0	868.3	884.5	890.0	938.8	944.2	965.9	982.2
20°	716.3	732.6	759.7	770.6	786.9	786.9	776.0	803.1	781.4	797.7	808.6
22.5°	645.8	667.5	678.3	683.8	705.5	710.9	683.8	689.2	694.6	678.3	683.8
25°	607.8	618.6	607.8	613.2	618.6	607.8	613.2	624.1	618.6	629.5	624.1
27.5°	591.5	580.7	575.2	569.8	569.8	558.9	564.4	564.4	575.2	580.7	580.7
30°	591.5	575.2	553.5	537.2	537.2	521.0	531.8	542.7	548.1	558.9	558.9
32.5°	607.8	575.2	537.2	521.0	504.7	493.8	504.7	521.0	542.7	548.1	553.5
35°	483.0	499.3	493.8	472.1	466.7	466.7	461.3	461.3	445.0	445.0	439.6
37.5°	434.1	428.7	439.6	445.0	450.4	434.1	434.1	412.4	407.0	412.4	412.4
40°	407.0	407.0	407.0	423.3	428.7	417.9	401.6	390.7	390.7	390.7	396.1
42.5°	396.1	385.3	379.9	390.7	407.0	396.1	379.9	374.4	374.4	379.9	379.9
45°	379.9	374.4	369.0	363.6	385.3	369.0	363.6	358.2	358.2	358.2	363.6
47.5°	363.6	358.2	347.3	347.3	352.7	347.3	341.9	341.9	341.9	352.7	352.7
50°	352.7	347.3	336.5	336.5	336.5	336.5	331.0	331.0	331.0	336.5	341.9
52.5°	336.5	331.0	325.6	320.2	320.2	320.2	320.2	320.2	320.2	325.6	331.0
55°	320.2	314.7	309.3	309.3	314.7	314.7	309.3	314.7	309.3	314.7	320.2
57.5°	303.9	298.5	293.0	298.5	303.9	298.5	298.5	298.5	298.5	298.5	303.9
60°	282.2	282.2	282.2	282.2	293.0	293.0	293.0	293.0	282.2	287.6	293.0
62.5°	271.3	265.9	265.9	271.3	276.8	276.8	282.2	276.8	271.3	276.8	276.8
65°	249.6	249.6	249.6	255.1	255.1	260.5	260.5	260.5	255.1	260.5	260.5
67.5°	233.3	233.3	233.3	233.3	244.2	244.2	244.2	244.2	238.8	238.8	244.2
70°	206.2	211.6	206.2	217.1	227.9	222.5	227.9	227.9	222.5	217.1	227.9
72.5°	189.9	189.9	189.9	189.9	206.2	206.2	206.2	211.6	206.2	200.8	206.2
75°	168.2	168.2	168.2	173.7	184.5	184.5	184.5	184.5	184.5	179.1	179.1
77.5°	146.5	151.9	146.5	151.9	162.8	157.4	162.8	168.2	162.8	157.4	157.4
80°	124.8	124.8	124.8	130.2	135.7	135.7	135.7	141.1	135.7	130.2	130.2
82.5°	97.7	97.7	103.1	103.1	108.5	108.5	108.5	114.0	108.5	103.1	103.1
85°	76.0	76.0	76.0	81.4	81.4	86.8	86.8	92.3	92.3	86.8	86.8
87.5°	48.8	43.4	48.8	48.8	54.3	54.3	48.8	43.4	48.8	43.4	38.0
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: P599084
 CATALOG NUMBER: IFLD-S-SA2E-830-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2	3907.2
2.5°	3565.3	3663.0	3733.6	3782.4	3852.9	3988.6	4042.9	4140.6	4167.7	4184.0
5°	3066.1	3169.2	3321.1	3429.7	3554.5	3809.5	4004.9	4151.4	4216.5	4276.2
7.5°	2404.0	2539.7	2697.1	2838.2	3044.4	3359.1	3614.2	3918.1	4032.0	4091.7
10°	1877.6	2002.4	2176.1	2349.8	2637.4	2903.3	3266.9	3543.6	3701.0	3744.4
12.5°	1584.6	1731.1	1937.3	2149.0	2328.0	2631.9	3001.0	3402.5	3549.0	3576.2
15°	1345.8	1546.6	1758.2	1975.3	2181.5	2447.4	2843.6	3332.0	3549.0	3576.2
17.5°	1112.5	1291.5	1541.2	1774.5	2013.3	2376.9	2870.7	3391.7	3608.7	3690.1
20°	884.5	1058.2	1253.6	1546.6	1872.2	2257.5	2930.4	3592.5	3880.1	3966.9
22.5°	732.6	808.6	998.5	1280.7	1666.0	2176.1	2990.1	3907.2	4211.1	4243.7
25°	640.3	694.6	814.0	1079.9	1503.2	2121.8	3131.2	4270.8	4661.5	4661.5
27.5°	596.9	618.6	700.0	938.8	1389.2	2073.0	3272.3	4672.4	5036.0	5111.9
30°	586.1	640.3	683.8	835.7	1264.4	1937.3	3402.5	4987.1	5361.6	5367.0
32.5°	575.2	564.4	596.9	727.2	1112.5	1796.2	3511.1	5307.3	5600.3	5616.6
35°	450.4	472.1	526.4	640.3	998.5	1693.1	3565.3	5480.9	5904.2	5920.5
37.5°	423.3	450.4	493.8	591.5	922.5	1606.3	3581.6	5817.4	6224.4	6257.0
40°	412.4	434.1	466.7	548.1	862.8	1497.8	3614.2	6164.7	6696.5	6653.1
42.5°	390.7	417.9	450.4	526.4	814.0	1416.4	3619.6	6354.6	6946.1	6946.1
45°	385.3	401.6	439.6	526.4	759.7	1345.8	3532.8	6544.6	7233.8	7146.9
47.5°	363.6	396.1	428.7	510.1	694.6	1275.3	3429.7	6642.3	7271.7	7244.6
50°	358.2	390.7	445.0	483.0	656.6	1242.7	3408.0	6886.5	7347.7	7342.3
52.5°	347.3	379.9	461.3	461.3	607.8	1199.3	3511.1	6995.0	7364.0	7407.4
55°	331.0	379.9	428.7	423.3	564.4	1145.0	3625.0	7277.2	7651.6	7640.8
57.5°	320.2	369.0	407.0	385.3	515.5	1107.0	3793.2	7548.5	7998.9	7922.9
60°	303.9	369.0	363.6	358.2	477.5	1074.5	3934.3	7602.8	8074.9	8123.7
62.5°	293.0	385.3	320.2	331.0	445.0	1058.2	3874.6	7195.8	7971.8	8015.2
65°	282.2	331.0	293.0	303.9	434.1	1025.6	3641.3	6707.4	7526.8	7716.7
67.5°	260.5	271.3	271.3	282.2	423.3	949.7	3163.8	5828.3	6848.5	6951.6
70°	238.8	244.2	244.2	260.5	412.4	862.8	2610.2	5041.4	5942.2	6137.6
72.5°	217.1	217.1	217.1	238.8	379.9	792.3	2149.0	3874.6	4938.3	5073.9
75°	189.9	189.9	189.9	211.6	341.9	721.7	1693.1	2881.6	3635.9	3831.2
77.5°	168.2	168.2	162.8	189.9	298.5	586.1	1221.0	2035.0	2561.4	2724.2
80°	141.1	135.7	135.7	151.9	233.3	423.3	786.9	1438.1	1785.4	1855.9
82.5°	114.0	108.5	103.1	114.0	168.2	265.9	488.4	1003.9	1145.0	1101.6
85°	108.5	114.0	92.3	86.8	119.4	173.7	309.3	618.6	515.5	515.5
87.5°	43.4	38.0	38.0	32.6	59.7	65.1	135.7	114.0	86.8	86.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)