

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: P598801

Luminaire Tested: **IFLD-S-SA6B-827-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598801  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6B-827-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (96) 2700K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

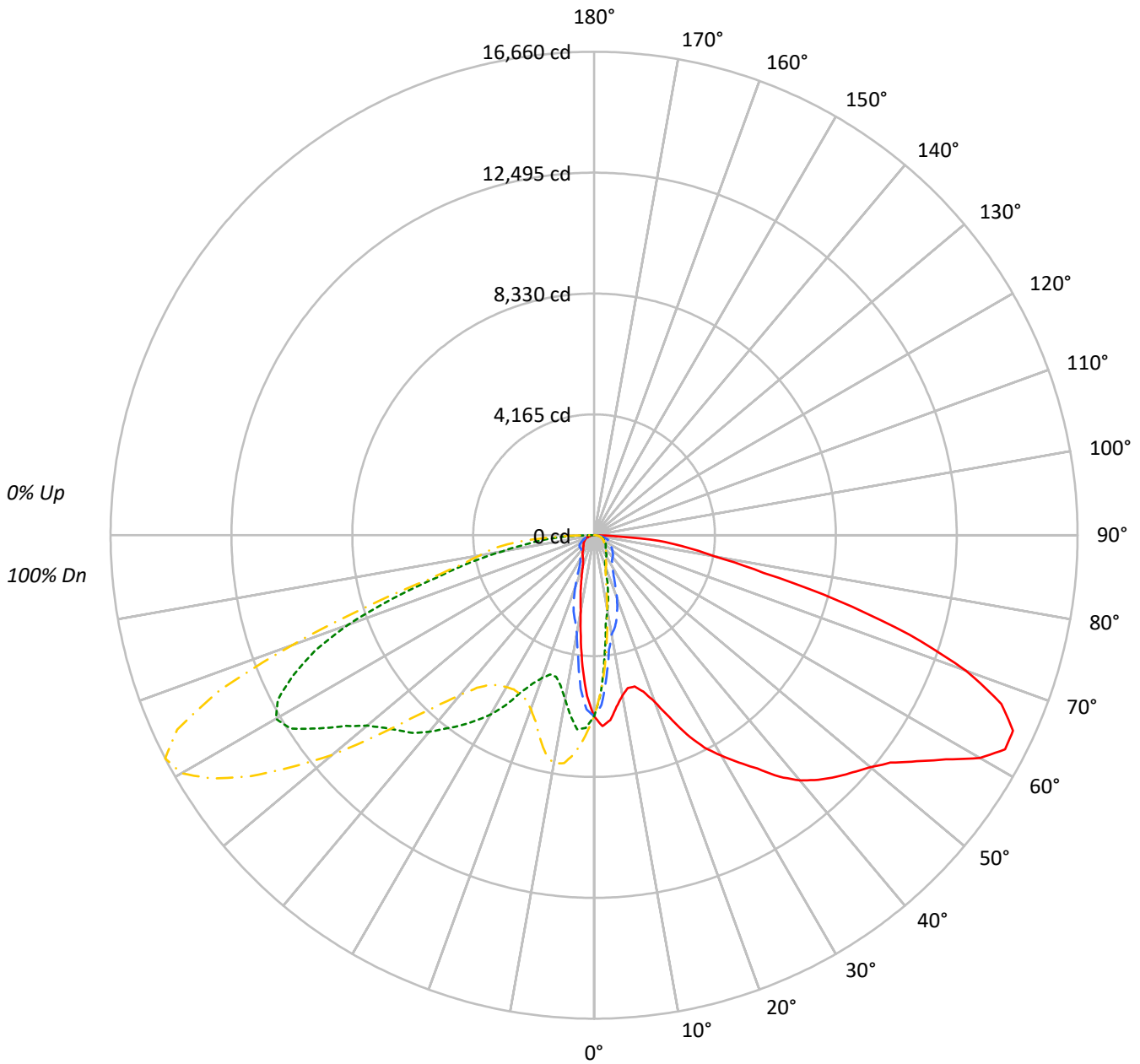
Lumens per Lamp: N/A  
 Luminaire Lumens: 20871.0 lumens  
 Efficiency: N/A  
 Efficacy: 85.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 244.9  
 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	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	102	102	100		
	1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	79	79	79	79	79	77		
	2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	61	61	61	61	61	59		
	3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	48	48	48	48	48	46		
	4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	39	39	39	39	39	36		
	5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	32	32	32	32	32	30		
	6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	27	27	27	27	27	25		
	7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	23	23	23	23	23	21		
	8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	20	20	20	20	20	18		
	9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	18	18	18	18	18	16		
	10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	16	16	16	16	16	14		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	44738	44738	44738	44738
5°	46042	29940	32708	48369
10°	40848	19024	19215	41802
15°	40090	13493	12780	37495
20°	46610	8535	8602	39942
25°	59942	7329	7121	47221
30°	72642	6946	6512	59112
35°	85978	6119	5890	70068
40°	103308	5808	5399	82777
45°	119540	5760	5228	96500
50°	138813	5849	5264	113954
55°	169873	6009	5353	145184
60°	220310	6015	5639	181587
65°	270434	6079	5782	194375
70°	286165	6412	6047	189249
75°	240887	6779	6053	154457
80°	175010	7938	6133	133512
85°	185484	11502	5031	138750

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	482.5	2.3
10°-20°	1009.8	4.8
20°-30°	1455.2	7.0
30°-40°	2095.0	10.0
40°-50°	2975.7	14.3
50°-60°	4278.3	20.5
60°-70°	4942.8	23.7
70°-80°	2798.7	13.4
80°-90°	832.9	4.0
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°	2947.6	14.1
0°-40°	5042.5	24.2
0°-60°	12296.5	58.9
0°-90°	20871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20871.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6234	6234	6234	6234	6234	
5°	6392	4156	4541	6715	6392	580
15°	5396	1816	1720	5047	5396	1587
25°	7570	926	899	5964	7570	3514
35°	9815	698	672	7998	9815	6229
45°	11779	568	515	9509	11779	9121
55°	13578	480	428	11605	13578	12297
65°	15927	358	340	11448	15927	15273
75°	8688	244	218	5571	8688	9219
85°	2253	140	61	1685	2253	2244
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°	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5
2.5°	6583.8	6575.1	6522.7	6356.8	6182.2	6016.2	5859.1	5693.2	5605.9	5501.1	5457.4
5°	6391.7	6374.3	6225.8	5859.1	5536.0	5186.7	4889.8	4654.1	4462.0	4269.9	4200.0
7.5°	5955.1	5928.9	5754.3	5247.8	4776.3	4322.3	3964.3	3658.6	3405.4	3291.9	3160.9
10°	5605.9	5562.2	5335.2	4776.3	4165.1	3711.0	3475.3	3265.7	3047.4	2864.0	2671.9
12.5°	5387.6	5335.2	5099.4	4444.5	3850.7	3510.2	3265.7	3030.0	2759.3	2532.2	2322.7
15°	5396.3	5335.2	5047.0	4357.2	3772.2	3335.6	2995.0	2671.9	2357.6	2104.4	1868.6
17.5°	5649.5	5570.9	5265.3	4479.4	3711.0	3108.5	2654.5	2235.4	1877.3	1606.7	1414.6
20°	6103.6	6051.2	5701.9	4662.8	3649.9	2864.0	2305.2	1798.8	1423.3	1213.7	1135.1
22.5°	6784.7	6723.5	6348.1	4942.2	3632.5	2645.8	1929.7	1414.6	1143.9	1056.6	1012.9
25°	7570.5	7457.0	7107.7	5413.8	3667.4	2444.9	1624.1	1170.1	1021.6	960.5	934.3
27.5°	8251.6	8181.7	7788.8	5859.1	3684.8	2287.7	1414.6	1065.3	951.8	899.4	881.9
30°	8766.8	8740.6	8356.4	6348.1	3641.2	2095.6	1283.6	1021.6	951.8	899.4	847.0
32.5°	9282.0	9290.7	8880.3	6723.5	3580.1	1929.7	1161.3	908.1	838.3	803.3	812.1
35°	9814.6	9858.3	9509.0	7090.3	3449.1	1868.6	1074.0	847.0	785.9	733.5	707.3
37.5°	10487.0	10600.5	10259.9	7500.7	3318.1	1816.2	1030.4	803.3	742.2	698.5	663.6
40°	11028.3	11237.9	11037.1	7884.9	3230.8	1755.1	995.4	759.7	716.0	663.6	637.4
42.5°	11430.0	11674.5	11604.6	8181.7	3230.8	1694.0	960.5	733.5	698.5	637.4	602.5
45°	11779.3	12032.5	12023.8	8487.4	3300.6	1659.1	916.8	733.5	681.1	620.0	585.0
47.5°	12093.6	12346.8	12434.2	8871.6	3414.2	1641.6	864.5	716.0	681.1	611.2	558.8
50°	12434.2	12713.6	12975.5	9482.8	3553.9	1597.9	829.5	689.8	689.8	602.5	541.4
52.5°	12870.8	13185.1	13665.4	10242.5	3693.6	1519.3	777.1	672.4	689.8	593.8	523.9
55°	13578.0	13840.0	14468.7	11150.6	3868.2	1423.3	733.5	628.7	654.9	567.6	497.7
57.5°	14372.6	14599.7	15123.6	11849.1	3920.6	1301.0	672.4	585.0	628.7	541.4	462.8
60°	15350.6	15464.1	15464.1	12050.0	3746.0	1187.5	628.7	550.1	567.6	515.2	436.6
62.5°	15970.6	15970.6	15464.1	11683.2	3414.2	1091.5	593.8	515.2	497.7	480.3	410.4
65°	15926.9	15857.1	15106.1	10617.9	3030.0	1030.4	558.8	471.5	445.3	436.6	384.2
67.5°	15193.4	15071.2	14049.6	9116.1	2628.3	1004.2	523.9	427.9	410.4	392.9	349.3
70°	13639.2	13324.8	12067.4	7334.8	2235.4	986.7	515.2	392.9	375.5	358.0	323.1
72.5°	11386.3	10984.7	9421.7	5640.8	1877.3	925.6	489.0	349.3	340.5	323.1	288.2
75°	8688.2	7946.0	6575.1	4313.5	1458.2	803.3	419.1	305.6	305.6	296.9	262.0
77.5°	5990.1	5605.9	4584.2	3187.1	1065.3	620.0	340.5	270.7	270.7	279.4	244.5
80°	4235.0	3876.9	3265.7	2287.7	672.4	419.1	262.0	227.0	253.2	270.7	227.0
82.5°	3239.5	2977.6	2427.5	1667.8	392.9	288.2	200.8	183.4	218.3	235.8	192.1
85°	2252.8	1938.5	1231.2	1117.7	227.0	174.6	148.4	148.4	192.1	235.8	174.6
87.5°	637.4	270.7	78.6	331.8	96.1	69.9	52.4	34.9	52.4	52.4	34.9
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5
2.5°	5413.8	5361.4	5361.4	5343.9	5352.6	5361.4	5352.6	5413.8	5439.9	5474.9	5544.7
5°	4156.4	4226.2	4173.8	4226.2	4296.1	4400.9	4427.1	4505.6	4514.4	4575.5	4540.6
7.5°	3082.3	3073.6	3030.0	3091.1	3283.2	3431.6	3501.5	3545.1	3553.9	3553.9	3510.2
10°	2610.8	2532.2	2453.7	2410.0	2427.5	2584.6	2637.0	2663.2	2645.8	2671.9	2637.0
12.5°	2235.4	2165.5	2052.0	1973.4	1921.0	1964.7	2017.1	2043.3	2060.7	2104.4	2139.3
15°	1816.2	1746.4	1676.5	1632.9	1589.2	1554.3	1597.9	1624.1	1667.8	1702.7	1720.2
17.5°	1379.6	1344.7	1309.8	1336.0	1336.0	1318.5	1336.0	1344.7	1362.2	1388.4	1379.6
20°	1117.7	1108.9	1100.2	1143.9	1178.8	1178.8	1196.3	1170.1	1161.3	1135.1	1126.4
22.5°	995.4	995.4	1004.2	1039.1	1074.0	1091.5	1091.5	1047.8	1004.2	986.7	995.4
25°	925.6	925.6	951.8	960.5	978.0	978.0	986.7	943.0	916.8	890.6	899.4
27.5°	873.2	873.2	881.9	881.9	890.6	890.6	899.4	881.9	847.0	838.3	838.3
30°	838.3	838.3	829.5	829.5	829.5	829.5	838.3	812.1	794.6	785.9	785.9
32.5°	803.3	794.6	785.9	785.9	777.1	777.1	785.9	759.7	750.9	750.9	750.9
35°	698.5	689.8	698.5	716.0	716.0	724.7	724.7	716.0	698.5	681.1	672.4
37.5°	654.9	646.2	646.2	646.2	663.6	672.4	681.1	663.6	637.4	611.2	611.2
40°	620.0	620.0	611.2	611.2	611.2	628.7	646.2	620.0	585.0	576.3	576.3
42.5°	593.8	585.0	576.3	567.6	558.8	585.0	602.5	567.6	550.1	550.1	550.1
45°	567.6	558.8	550.1	541.4	532.6	541.4	558.8	523.9	515.2	515.2	515.2
47.5°	541.4	532.6	515.2	506.4	497.7	497.7	515.2	489.0	480.3	489.0	489.0
50°	523.9	506.4	489.0	480.3	471.5	471.5	471.5	462.8	462.8	462.8	471.5
52.5°	506.4	489.0	462.8	454.1	445.3	445.3	445.3	445.3	436.6	445.3	454.1
55°	480.3	462.8	445.3	436.6	427.9	419.1	427.9	419.1	419.1	427.9	427.9
57.5°	445.3	427.9	410.4	410.4	401.7	401.7	410.4	401.7	401.7	410.4	410.4
60°	419.1	401.7	384.2	384.2	375.5	384.2	392.9	384.2	384.2	384.2	392.9
62.5°	384.2	375.5	358.0	358.0	358.0	358.0	366.7	358.0	366.7	366.7	366.7
65°	358.0	340.5	331.8	331.8	331.8	331.8	349.3	331.8	340.5	340.5	340.5
67.5°	331.8	314.3	305.6	305.6	305.6	305.6	323.1	305.6	314.3	323.1	314.3
70°	305.6	288.2	279.4	279.4	279.4	279.4	288.2	279.4	279.4	288.2	288.2
72.5°	270.7	262.0	253.2	253.2	244.5	253.2	262.0	253.2	253.2	253.2	253.2
75°	244.5	235.8	235.8	227.0	227.0	227.0	235.8	218.3	218.3	218.3	218.3
77.5°	227.0	209.6	209.6	209.6	200.8	209.6	200.8	183.4	183.4	183.4	183.4
80°	192.1	174.6	183.4	183.4	174.6	174.6	165.9	148.4	148.4	148.4	148.4
82.5°	157.2	139.7	148.4	148.4	148.4	148.4	131.0	122.2	113.5	104.8	104.8
85°	139.7	113.5	131.0	131.0	122.2	122.2	87.3	87.3	69.9	69.9	61.1
87.5°	26.2	17.5	34.9	43.7	43.7	52.4	34.9	43.7	26.2	17.5	17.5
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°	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5
2.5°	5536.0	5632.0	5763.0	5859.1	6007.5	6121.0	6295.7	6444.1	6583.8	6644.9	6706.1
5°	4645.3	4706.5	4907.3	5064.5	5300.2	5553.5	5867.8	6208.3	6557.6	6714.8	6898.2
7.5°	3475.3	3588.8	3702.3	3929.3	4217.5	4627.9	5029.5	5536.0	6025.0	6260.7	6575.1
10°	2698.1	2785.5	2916.4	3152.2	3422.9	3763.4	4243.7	4846.2	5431.2	5736.8	6059.9
12.5°	2165.5	2287.7	2462.4	2706.9	3021.2	3370.5	3719.8	4278.6	4959.7	5309.0	5675.7
15°	1755.1	1851.2	2043.3	2348.9	2715.6	3073.6	3440.4	3903.1	4645.3	5047.0	5483.6
17.5°	1397.1	1467.0	1641.6	1947.2	2313.9	2715.6	3134.7	3719.8	4540.6	5029.5	5544.7
20°	1135.1	1187.5	1301.0	1528.1	1877.3	2313.9	2837.9	3545.1	4601.7	5230.4	5859.1
22.5°	995.4	1012.9	1065.3	1187.5	1475.7	1938.5	2567.2	3396.7	4715.2	5527.3	6374.3
25°	899.4	916.8	934.3	1012.9	1178.8	1615.4	2331.4	3309.4	4959.7	5963.9	6968.0
27.5°	838.3	855.7	864.5	899.4	1012.9	1379.6	2130.6	3257.0	5291.5	6601.3	7701.5
30°	785.9	785.9	812.1	864.5	943.0	1213.7	1955.9	3134.7	5640.8	7133.9	8277.8
32.5°	742.2	750.9	785.9	812.1	864.5	1074.0	1781.3	2977.6	5955.1	7570.5	8845.4
35°	663.6	663.6	672.4	716.0	785.9	960.5	1624.1	2820.4	6129.8	7998.4	9351.8
37.5°	611.2	620.0	637.4	672.4	733.5	881.9	1493.1	2645.8	6313.1	8400.0	9945.6
40°	576.3	585.0	602.5	637.4	698.5	812.1	1379.6	2506.0	6505.2	8836.6	10583.0
42.5°	550.1	558.8	576.3	611.2	663.6	794.6	1257.4	2392.5	6618.7	9238.3	11185.5
45°	523.9	532.6	558.8	593.8	637.4	777.1	1187.5	2313.9	6662.4	9509.0	11665.8
47.5°	497.7	506.4	532.6	585.0	637.4	750.9	1161.3	2270.3	6697.3	9814.6	12050.0
50°	471.5	489.0	523.9	576.3	646.2	716.0	1143.9	2261.6	6898.2	10207.5	12416.7
52.5°	454.1	480.3	515.2	576.3	637.4	663.6	1135.1	2287.7	7299.8	10792.6	12940.6
55°	436.6	462.8	497.7	576.3	611.2	620.0	1091.5	2331.4	7911.1	11604.6	13682.8
57.5°	419.1	436.6	480.3	558.8	576.3	585.0	1004.2	2392.5	8522.3	12399.2	14442.5
60°	392.9	410.4	454.1	558.8	523.9	550.1	890.6	2410.0	8958.9	12652.5	14512.3
62.5°	366.7	384.2	427.9	576.3	480.3	515.2	794.6	2348.9	9046.2	12285.7	14119.4
65°	340.5	358.0	392.9	480.3	445.3	480.3	733.5	2183.0	8758.1	11447.5	13403.4
67.5°	314.3	331.8	358.0	392.9	401.7	436.6	707.3	1921.0	8033.3	10408.4	12425.4
70°	279.4	296.9	323.1	349.3	358.0	410.4	663.6	1667.8	6863.2	9020.0	11229.2
72.5°	253.2	262.0	288.2	305.6	323.1	375.5	637.4	1458.2	5247.8	7299.8	9159.7
75°	218.3	218.3	244.5	262.0	279.4	331.8	585.0	1213.7	3702.3	5570.9	6732.3
77.5°	183.4	183.4	200.8	218.3	235.8	288.2	497.7	986.7	2567.2	4418.3	4881.1
80°	139.7	139.7	157.2	174.6	192.1	244.5	401.7	724.7	1589.2	3230.8	3553.9
82.5°	96.1	96.1	122.2	131.0	139.7	192.1	305.6	497.7	934.3	2331.4	2541.0
85°	52.4	52.4	69.9	78.6	96.1	139.7	227.0	349.3	558.8	1685.2	1694.0
87.5°	8.7	8.7	26.2	26.2	43.7	69.9	131.0	192.1	314.3	934.3	593.8
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: P598801  
 CATALOG NUMBER: IFLD-S-SA6B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5	6234.5
2.5°	6819.6	6915.6	6924.4	6924.4	6880.7	6889.4	6767.2	6636.2	6592.6	6583.8
5°	7177.6	7430.8	7500.7	7535.6	7422.1	7247.4	6933.1	6592.6	6417.9	6391.7
7.5°	7107.7	7614.2	7884.9	7919.8	7692.8	7282.4	6732.3	6208.3	6007.5	5955.1
10°	6697.3	7378.4	7867.4	7989.6	7745.2	7221.2	6505.2	5894.0	5649.5	5605.9
12.5°	6409.2	7064.1	7544.3	7710.2	7596.7	7142.7	6391.7	5693.2	5448.7	5387.6
15°	6252.0	6854.5	7168.9	7221.2	7212.5	7020.4	6391.7	5736.8	5466.1	5396.3
17.5°	6383.0	6793.4	6837.0	6714.8	6784.7	6880.7	6531.4	5972.6	5710.6	5649.5
20°	6644.9	6767.2	6557.6	6374.3	6409.2	6714.8	6749.7	6417.9	6208.3	6103.6
22.5°	7195.0	6863.2	6383.0	6129.8	6156.0	6583.8	7037.9	7020.4	6837.0	6784.7
25°	7753.9	7133.9	6330.6	6033.7	6068.6	6557.6	7378.4	7692.8	7596.7	7570.5
27.5°	8373.8	7588.0	6365.5	5990.1	6033.7	6592.6	7614.2	8260.3	8277.8	8251.6
30°	8793.0	7806.3	6470.3	6042.4	6103.6	6679.9	7666.6	8600.9	8758.1	8766.8
32.5°	9142.3	8024.6	6688.6	6129.8	6234.5	6837.0	7806.3	8924.0	9273.2	9282.0
35°	9421.7	8269.1	6959.3	6286.9	6444.1	7099.0	7989.6	9229.6	9753.5	9814.6
37.5°	9779.7	8539.8	7273.6	6627.5	6802.1	7474.5	8312.7	9587.6	10321.1	10487.0
40°	10163.9	8810.4	7727.7	7177.6	7430.8	8033.3	8679.5	9989.2	10801.3	11028.3
42.5°	10591.7	9098.6	8242.9	7919.8	8304.0	8740.6	9098.6	10356.0	11168.0	11430.0
45°	11010.9	9447.9	8993.8	8932.7	9360.5	9578.8	9509.0	10617.9	11517.3	11779.3
47.5°	11307.8	9954.3	9901.9	10268.7	10670.3	10556.8	9989.2	10810.0	11805.5	12093.6
50°	11578.4	10583.0	11045.8	11761.8	12006.3	11622.1	10504.4	11072.0	12111.1	12434.2
52.5°	11980.1	11255.4	12224.6	13115.2	13351.0	12739.8	11063.3	11499.9	12582.6	12870.8
55°	12800.9	12015.0	13455.8	14477.4	14521.1	13761.4	11814.2	12224.6	13246.2	13578.0
57.5°	13717.7	12949.3	14433.8	15603.8	15586.4	14783.0	12661.2	13202.6	14145.6	14372.6
60°	14547.3	13892.4	15499.0	16407.2	16363.5	15525.2	13647.9	14311.5	15176.0	15350.6
62.5°	15036.3	14748.1	15970.6	16660.4	16494.5	15769.7	14486.1	15298.2	15909.4	15970.6
65°	14957.7	15237.1	15420.5	15848.3	15612.6	15088.6	14896.5	15926.9	15988.0	15926.9
67.5°	14363.9	14957.7	13909.8	13953.5	13831.3	13385.9	14259.1	15761.0	15341.9	15193.4
70°	13464.5	13508.2	11630.8	11080.7	11272.8	10661.6	12233.3	14468.7	13822.5	13639.2
72.5°	11971.4	11430.0	8793.0	8234.1	8522.3	8085.7	9814.6	12608.8	11980.1	11386.3
75°	10041.6	9054.9	6697.3	5902.7	6051.2	6033.7	7605.4	10417.1	9282.0	8688.2
77.5°	7780.1	7055.3	4942.2	4636.6	4479.4	4514.4	5309.0	7745.2	6732.3	5990.1
80°	5684.4	4933.5	3824.6	3999.2	3911.9	3702.3	3719.8	5186.7	4680.3	4235.0
82.5°	3929.3	3510.2	3099.8	3501.5	3291.9	2968.8	2899.0	3737.2	3510.2	3239.5
85°	2637.0	2890.2	2462.4	2680.7	2322.7	2139.3	2724.3	3126.0	2523.5	2252.8
87.5°	1720.2	2645.8	1772.6	1344.7	768.4	1030.4	1667.8	2052.0	1178.8	637.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)