

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: P598845

Luminaire Tested: **IFLD-L-SA8B-830-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598845  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8B-830-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (128) 3000K CCT, 80 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

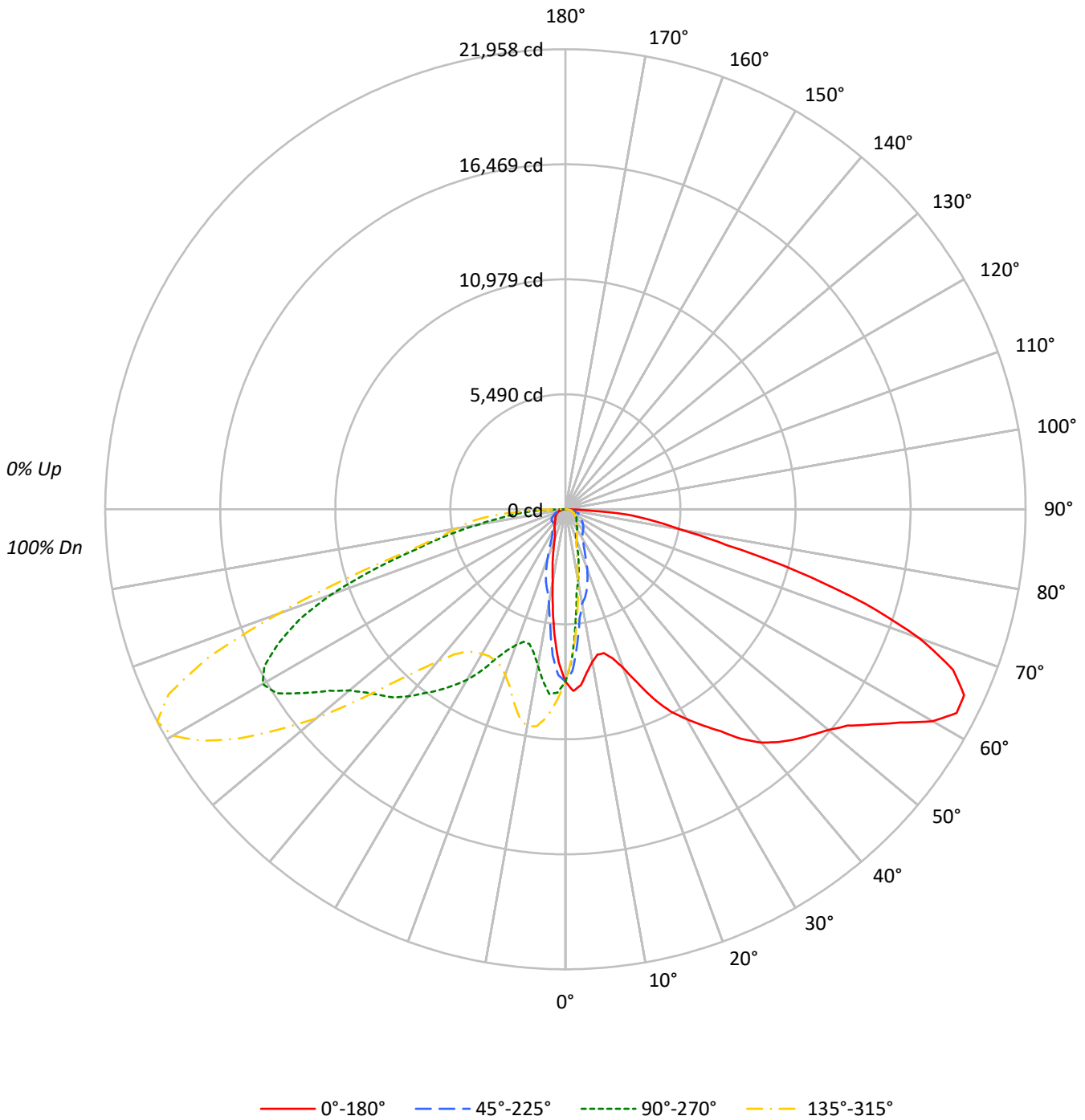
Lumens per Lamp: N/A  
 Luminaire Lumens: 27507.0 lumens  
 Efficiency: N/A  
 Efficacy: 86.0 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 320  
 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



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

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

	0°	90°	180°	270°
0°	44222	44222	44222	44222
5°	45511	29594	32330	47811
10°	40377	18804	18994	41320
15°	39627	13337	12632	37062
20°	46072	8436	8503	39481
25°	59250	7244	7039	46676
30°	71804	6866	6436	58430
35°	84986	6049	5822	69259
40°	102116	5741	5336	81823
45°	118161	5693	5168	95387
50°	137212	5781	5203	112641
55°	167913	5940	5291	143510
60°	217769	5946	5575	179493
65°	267315	6008	5715	192132
70°	282863	6338	5976	187067
75°	238107	6700	5983	152676
80°	172990	7848	6062	131970
85°	183345	11368	4977	137155

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	635.9	2.3
10°-20°	1330.9	4.8
20°-30°	1917.9	7.0
30°-40°	2761.1	10.0
40°-50°	3921.9	14.3
50°-60°	5638.6	20.5
60°-70°	6514.4	23.7
70°-80°	3688.6	13.4
80°-90°	1097.7	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
<b>0°-30°</b>	<b>3884.7</b>	<b>14.1</b>
<b>0°-40°</b>	<b>6645.8</b>	<b>24.2</b>
<b>0°-60°</b>	<b>16206.3</b>	<b>58.9</b>
<b>0°-90°</b>	<b>27507.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>27507.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	8217	8217	8217	8217	8217	
5°	8424	5478	5984	8850	8424	764
15°	7112	2394	2267	6652	7112	2091
25°	9978	1220	1185	7860	9978	4631
35°	12935	921	886	10542	12935	8209
45°	15524	748	679	12532	15524	12021
55°	17895	633	564	15294	17895	16207
65°	20991	472	449	15087	20991	20129
75°	11451	322	288	7342	11451	12150
85°	2969	184	81	2221	2969	2957
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°	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8
2.5°	8677.2	8665.7	8596.6	8378.0	8147.8	7929.1	7722.0	7503.3	7388.3	7250.2	7192.6
5°	8424.0	8401.0	8205.3	7722.0	7296.2	6835.9	6444.6	6133.9	5880.7	5627.5	5535.4
7.5°	7848.6	7814.1	7583.9	6916.4	6295.0	5696.6	5224.7	4821.9	4488.2	4338.6	4166.0
10°	7388.3	7330.7	7031.5	6295.0	5489.4	4891.0	4580.3	4304.1	4016.4	3774.7	3521.5
12.5°	7100.6	7031.5	6720.8	5857.7	5075.1	4626.3	4304.1	3993.3	3636.6	3337.4	3061.2
15°	7112.1	7031.5	6651.7	5742.6	4971.5	4396.1	3947.3	3521.5	3107.2	2773.5	2462.8
17.5°	7445.8	7342.2	6939.4	5903.7	4891.0	4096.9	3498.5	2946.1	2474.3	2117.5	1864.3
20°	8044.2	7975.2	7514.8	6145.4	4810.4	3774.7	3038.2	2370.7	1875.8	1599.6	1496.1
22.5°	8941.9	8861.3	8366.5	6513.6	4787.4	3487.0	2543.3	1864.3	1507.6	1392.5	1334.9
25°	9977.6	9828.0	9367.7	7135.1	4833.4	3222.3	2140.5	1542.1	1346.5	1265.9	1231.4
27.5°	10875.2	10783.2	10265.3	7722.0	4856.5	3015.1	1864.3	1404.0	1254.4	1185.3	1162.3
30°	11554.2	11519.7	11013.3	8366.5	4798.9	2762.0	1691.7	1346.5	1254.4	1185.3	1116.3
32.5°	12233.2	12244.7	11703.8	8861.3	4718.4	2543.3	1530.6	1196.9	1104.8	1058.8	1070.3
35°	12935.2	12992.7	12532.4	9344.6	4545.7	2462.8	1415.5	1116.3	1035.7	966.7	932.2
37.5°	13821.3	13970.9	13522.1	9885.5	4373.1	2393.7	1358.0	1058.8	978.2	920.7	874.6
40°	14534.8	14811.0	14546.3	10391.9	4258.0	2313.1	1311.9	1001.2	943.7	874.6	840.1
42.5°	15064.2	15386.4	15294.4	10783.2	4258.0	2232.6	1265.9	966.7	920.7	840.1	794.1
45°	15524.5	15858.3	15846.8	11186.0	4350.1	2186.6	1208.4	966.7	897.6	817.1	771.0
47.5°	15938.8	16272.6	16387.7	11692.3	4499.7	2163.5	1139.3	943.7	897.6	805.6	736.5
50°	16387.7	16755.9	17101.2	12497.9	4683.8	2106.0	1093.3	909.1	909.1	794.1	713.5
52.5°	16963.1	17377.4	18010.3	13499.1	4868.0	2002.4	1024.2	886.1	909.1	782.6	690.5
55°	17895.2	18240.5	19069.1	14696.0	5098.1	1875.8	966.7	828.6	863.1	748.0	656.0
57.5°	18942.5	19241.7	19932.2	15616.6	5167.2	1714.7	886.1	771.0	828.6	713.5	609.9
60°	20231.4	20381.0	20381.0	15881.3	4937.0	1565.1	828.6	725.0	748.0	679.0	575.4
62.5°	21048.5	21048.5	20381.0	15398.0	4499.7	1438.5	782.6	679.0	656.0	633.0	540.9
65°	20990.9	20898.9	19909.2	13994.0	3993.3	1358.0	736.5	621.4	586.9	575.4	506.4
67.5°	20024.2	19863.1	18516.7	12014.5	3464.0	1323.4	690.5	563.9	540.9	517.9	460.3
70°	17975.8	17561.5	15904.3	9666.9	2946.1	1300.4	679.0	517.9	494.9	471.8	425.8
72.5°	15006.7	14477.3	12417.3	7434.3	2474.3	1219.9	644.5	460.3	448.8	425.8	379.8
75°	11450.6	10472.5	8665.7	5685.0	1921.9	1058.8	552.4	402.8	402.8	391.3	345.2
77.5°	7894.6	7388.3	6041.8	4200.5	1404.0	817.1	448.8	356.8	356.8	368.3	322.2
80°	5581.5	5109.6	4304.1	3015.1	886.1	552.4	345.2	299.2	333.7	356.8	299.2
82.5°	4269.5	3924.3	3199.3	2198.1	517.9	379.8	264.7	241.7	287.7	310.7	253.2
85°	2969.1	2554.8	1622.7	1473.0	299.2	230.2	195.6	195.6	253.2	310.7	230.2
87.5°	840.1	356.8	103.6	437.3	126.6	92.1	69.0	46.0	69.0	69.0	46.0
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°	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8
2.5°	7135.1	7066.0	7066.0	7043.0	7054.5	7066.0	7054.5	7135.1	7169.6	7215.6	7307.7
5°	5477.9	5570.0	5500.9	5570.0	5662.0	5800.1	5834.7	5938.2	5949.7	6030.3	5984.3
7.5°	4062.4	4050.9	3993.3	4073.9	4327.1	4522.7	4614.8	4672.3	4683.8	4683.8	4626.3
10°	3440.9	3337.4	3233.8	3176.3	3199.3	3406.4	3475.5	3510.0	3487.0	3521.5	3475.5
12.5°	2946.1	2854.0	2704.4	2600.9	2531.8	2589.3	2658.4	2692.9	2715.9	2773.5	2819.5
15°	2393.7	2301.6	2209.6	2152.0	2094.5	2048.5	2106.0	2140.5	2198.1	2244.1	2267.1
17.5°	1818.3	1772.3	1726.2	1760.8	1760.8	1737.7	1760.8	1772.3	1795.3	1829.8	1818.3
20°	1473.0	1461.5	1450.0	1507.6	1553.6	1553.6	1576.6	1542.1	1530.6	1496.1	1484.6
22.5°	1311.9	1311.9	1323.4	1369.5	1415.5	1438.5	1438.5	1381.0	1323.4	1300.4	1311.9
25°	1219.9	1219.9	1254.4	1265.9	1288.9	1288.9	1300.4	1242.9	1208.4	1173.8	1185.3
27.5°	1150.8	1150.8	1162.3	1162.3	1173.8	1173.8	1185.3	1162.3	1116.3	1104.8	1104.8
30°	1104.8	1104.8	1093.3	1093.3	1093.3	1093.3	1104.8	1070.3	1047.2	1035.7	1035.7
32.5°	1058.8	1047.2	1035.7	1035.7	1024.2	1024.2	1035.7	1001.2	989.7	989.7	989.7
35°	920.7	909.1	920.7	943.7	943.7	955.2	955.2	943.7	920.7	897.6	886.1
37.5°	863.1	851.6	851.6	851.6	874.6	886.1	897.6	874.6	840.1	805.6	805.6
40°	817.1	817.1	805.6	805.6	805.6	828.6	851.6	817.1	771.0	759.5	759.5
42.5°	782.6	771.0	759.5	748.0	736.5	771.0	794.1	748.0	725.0	725.0	725.0
45°	748.0	736.5	725.0	713.5	702.0	713.5	736.5	690.5	679.0	679.0	679.0
47.5°	713.5	702.0	679.0	667.5	656.0	656.0	679.0	644.5	633.0	644.5	644.5
50°	690.5	667.5	644.5	633.0	621.4	621.4	621.4	609.9	609.9	609.9	621.4
52.5°	667.5	644.5	609.9	598.4	586.9	586.9	586.9	586.9	575.4	586.9	598.4
55°	633.0	609.9	586.9	575.4	563.9	552.4	563.9	552.4	552.4	563.9	563.9
57.5°	586.9	563.9	540.9	540.9	529.4	529.4	540.9	529.4	529.4	540.9	540.9
60°	552.4	529.4	506.4	506.4	494.9	506.4	517.9	506.4	506.4	506.4	517.9
62.5°	506.4	494.9	471.8	471.8	471.8	471.8	483.3	471.8	483.3	483.3	483.3
65°	471.8	448.8	437.3	437.3	437.3	437.3	460.3	437.3	448.8	448.8	448.8
67.5°	437.3	414.3	402.8	402.8	402.8	402.8	425.8	402.8	414.3	425.8	414.3
70°	402.8	379.8	368.3	368.3	368.3	368.3	379.8	368.3	368.3	379.8	379.8
72.5°	356.8	345.2	333.7	333.7	322.2	333.7	345.2	333.7	333.7	333.7	333.7
75°	322.2	310.7	310.7	299.2	299.2	299.2	310.7	287.7	287.7	287.7	287.7
77.5°	299.2	276.2	276.2	276.2	264.7	276.2	264.7	241.7	241.7	241.7	241.7
80°	253.2	230.2	241.7	241.7	230.2	230.2	218.7	195.6	195.6	195.6	195.6
82.5°	207.1	184.1	195.6	195.6	195.6	195.6	172.6	161.1	149.6	138.1	138.1
85°	184.1	149.6	172.6	172.6	161.1	161.1	115.1	115.1	92.1	92.1	80.6
87.5°	34.5	23.0	46.0	57.5	57.5	69.0	46.0	57.5	34.5	23.0	23.0
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°	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8
2.5°	7296.2	7422.8	7595.4	7722.0	7917.6	8067.2	8297.4	8493.0	8677.2	8757.7	8838.3
5°	6122.4	6202.9	6467.6	6674.7	6985.5	7319.2	7733.5	8182.3	8642.6	8849.8	9091.5
7.5°	4580.3	4729.9	4879.5	5178.7	5558.5	6099.3	6628.7	7296.2	7940.6	8251.4	8665.7
10°	3556.0	3671.1	3843.7	4154.5	4511.2	4960.0	5593.0	6387.0	7158.1	7560.9	7986.7
12.5°	2854.0	3015.1	3245.3	3567.5	3981.8	4442.2	4902.5	5639.0	6536.7	6997.0	7480.3
15°	2313.1	2439.7	2692.9	3095.7	3579.0	4050.9	4534.2	5144.2	6122.4	6651.7	7227.1
17.5°	1841.3	1933.4	2163.5	2566.3	3049.7	3579.0	4131.4	4902.5	5984.3	6628.7	7307.7
20°	1496.1	1565.1	1714.7	2013.9	2474.3	3049.7	3740.2	4672.3	6064.8	6893.4	7722.0
22.5°	1311.9	1334.9	1404.0	1565.1	1944.9	2554.8	3383.4	4476.7	6214.4	7284.7	8401.0
25°	1185.3	1208.4	1231.4	1334.9	1553.6	2129.0	3072.7	4361.6	6536.7	7860.1	9183.5
27.5°	1104.8	1127.8	1139.3	1185.3	1334.9	1818.3	2808.0	4292.6	6974.0	8700.2	10150.2
30°	1035.7	1035.7	1070.3	1139.3	1242.9	1599.6	2577.8	4131.4	7434.3	9402.2	10909.8
32.5°	978.2	989.7	1035.7	1070.3	1139.3	1415.5	2347.7	3924.3	7848.6	9977.6	11657.8
35°	874.6	874.6	886.1	943.7	1035.7	1265.9	2140.5	3717.1	8078.7	10541.5	12325.3
37.5°	805.6	817.1	840.1	886.1	966.7	1162.3	1967.9	3487.0	8320.4	11070.9	13107.8
40°	759.5	771.0	794.1	840.1	920.7	1070.3	1818.3	3302.8	8573.6	11646.3	13947.9
42.5°	725.0	736.5	759.5	805.6	874.6	1047.2	1657.2	3153.2	8723.2	12175.7	14742.0
45°	690.5	702.0	736.5	782.6	840.1	1024.2	1565.1	3049.7	8780.7	12532.4	15374.9
47.5°	656.0	667.5	702.0	771.0	840.1	989.7	1530.6	2992.1	8826.8	12935.2	15881.3
50°	621.4	644.5	690.5	759.5	851.6	943.7	1507.6	2980.6	9091.5	13453.1	16364.6
52.5°	598.4	633.0	679.0	759.5	840.1	874.6	1496.1	3015.1	9620.8	14224.1	17055.1
55°	575.4	609.9	656.0	759.5	805.6	817.1	1438.5	3072.7	10426.4	15294.4	18033.3
57.5°	552.4	575.4	633.0	736.5	759.5	771.0	1323.4	3153.2	11232.0	16341.6	19034.5
60°	517.9	540.9	598.4	736.5	690.5	725.0	1173.8	3176.3	11807.4	16675.4	19126.6
62.5°	483.3	506.4	563.9	759.5	633.0	679.0	1047.2	3095.7	11922.5	16192.0	18608.7
65°	448.8	471.8	517.9	633.0	586.9	633.0	966.7	2877.0	11542.7	15087.2	17665.1
67.5°	414.3	437.3	471.8	517.9	529.4	575.4	932.2	2531.8	10587.5	13717.8	16376.2
70°	368.3	391.3	425.8	460.3	471.8	540.9	874.6	2198.1	9045.4	11888.0	14799.5
72.5°	333.7	345.2	379.8	402.8	425.8	494.9	840.1	1921.9	6916.4	9620.8	12072.1
75°	287.7	287.7	322.2	345.2	368.3	437.3	771.0	1599.6	4879.5	7342.2	8872.8
77.5°	241.7	241.7	264.7	287.7	310.7	379.8	656.0	1300.4	3383.4	5823.1	6433.1
80°	184.1	184.1	207.1	230.2	253.2	322.2	529.4	955.2	2094.5	4258.0	4683.8
82.5°	126.6	126.6	161.1	172.6	184.1	253.2	402.8	656.0	1231.4	3072.7	3348.9
85°	69.0	69.0	92.1	103.6	126.6	184.1	299.2	460.3	736.5	2221.1	2232.6
87.5°	11.5	11.5	34.5	34.5	57.5	92.1	172.6	253.2	414.3	1231.4	782.6
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: P598845  
 CATALOG NUMBER: IFLD-L-SA8B-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8	8216.8
2.5°	8987.9	9114.5	9126.0	9126.0	9068.5	9080.0	8918.8	8746.2	8688.7	8677.2
5°	9459.7	9793.5	9885.5	9931.6	9782.0	9551.8	9137.5	8688.7	8458.5	8424.0
7.5°	9367.7	10035.1	10391.9	10437.9	10138.7	9597.8	8872.8	8182.3	7917.6	7848.6
10°	8826.8	9724.4	10368.9	10530.0	10207.8	9517.3	8573.6	7768.0	7445.8	7388.3
12.5°	8447.0	9310.1	9943.1	10161.7	10012.1	9413.7	8424.0	7503.3	7181.1	7100.6
15°	8239.9	9033.9	9448.2	9517.3	9505.8	9252.6	8424.0	7560.9	7204.1	7112.1
17.5°	8412.5	8953.4	9010.9	8849.8	8941.9	9068.5	8608.1	7871.6	7526.4	7445.8
20°	8757.7	8918.8	8642.6	8401.0	8447.0	8849.8	8895.8	8458.5	8182.3	8044.2
22.5°	9482.7	9045.4	8412.5	8078.7	8113.3	8677.2	9275.6	9252.6	9010.9	8941.9
25°	10219.3	9402.2	8343.4	7952.2	7998.2	8642.6	9724.4	10138.7	10012.1	9977.6
27.5°	11036.4	10000.6	8389.5	7894.6	7952.2	8688.7	10035.1	10886.7	10909.8	10875.2
30°	11588.7	10288.3	8527.6	7963.7	8044.2	8803.8	10104.2	11335.6	11542.7	11554.2
32.5°	12049.1	10576.0	8815.3	8078.7	8216.8	9010.9	10288.3	11761.4	12221.7	12233.2
35°	12417.3	10898.3	9172.0	8285.9	8493.0	9356.2	10530.0	12164.2	12854.6	12935.2
37.5°	12889.2	11255.0	9586.3	8734.7	8964.9	9851.0	10955.8	12636.0	13602.7	13821.3
40°	13395.5	11611.8	10184.7	9459.7	9793.5	10587.5	11439.1	13165.4	14235.6	14534.8
42.5°	13959.4	11991.5	10863.7	10437.9	10944.3	11519.7	11991.5	13648.7	14719.0	15064.2
45°	14511.8	12451.9	11853.4	11772.9	12336.8	12624.5	12532.4	13994.0	15179.3	15524.5
47.5°	14903.1	13119.3	13050.3	13533.6	14063.0	13913.4	13165.4	14247.1	15559.1	15938.8
50°	15259.9	13947.9	14557.9	15501.5	15823.8	15317.4	13844.4	14592.4	15961.9	16387.7
52.5°	15789.2	14834.1	16111.5	17285.3	17596.0	16790.4	14580.9	15156.3	16583.3	16963.1
55°	16871.0	15835.3	17734.1	19080.6	19138.1	18136.9	15570.6	16111.5	17457.9	17895.2
57.5°	18079.4	17066.6	19023.0	20565.1	20542.1	19483.4	16686.9	17400.4	18643.3	18942.5
60°	19172.6	18309.5	20427.0	21623.9	21566.3	20461.6	17987.3	18861.9	20001.2	20231.4
62.5°	19817.1	19437.3	21048.5	21957.6	21739.0	20783.8	19092.1	20162.3	20967.9	21048.5
65°	19713.5	20081.8	20323.5	20887.4	20576.6	19886.1	19633.0	20990.9	21071.5	20990.9
67.5°	18931.0	19713.5	18332.5	18390.1	18229.0	17642.1	18792.9	20772.3	20219.9	20024.2
70°	17745.6	17803.2	15328.9	14603.9	14857.1	14051.5	16123.0	19069.1	18217.5	17975.8
72.5°	15777.7	15064.2	11588.7	10852.2	11232.0	10656.6	12935.2	16617.8	15789.2	15006.7
75°	13234.4	11934.0	8826.8	7779.5	7975.2	7952.2	10023.6	13729.3	12233.2	11450.6
77.5°	10253.8	9298.6	6513.6	6110.8	5903.7	5949.7	6997.0	10207.8	8872.8	7894.6
80°	7491.8	6502.1	5040.6	5270.8	5155.7	4879.5	4902.5	6835.9	6168.4	5581.5
82.5°	5178.7	4626.3	4085.4	4614.8	4338.6	3912.8	3820.7	4925.5	4626.3	4269.5
85°	3475.5	3809.2	3245.3	3533.0	3061.2	2819.5	3590.6	4119.9	3325.9	2969.1
87.5°	2267.1	3487.0	2336.2	1772.3	1012.7	1358.0	2198.1	2704.4	1553.6	840.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)