

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: P598799

Luminaire Tested: **IFLD-S-SA3E-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: P598799  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3E-827-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (48) 2700K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

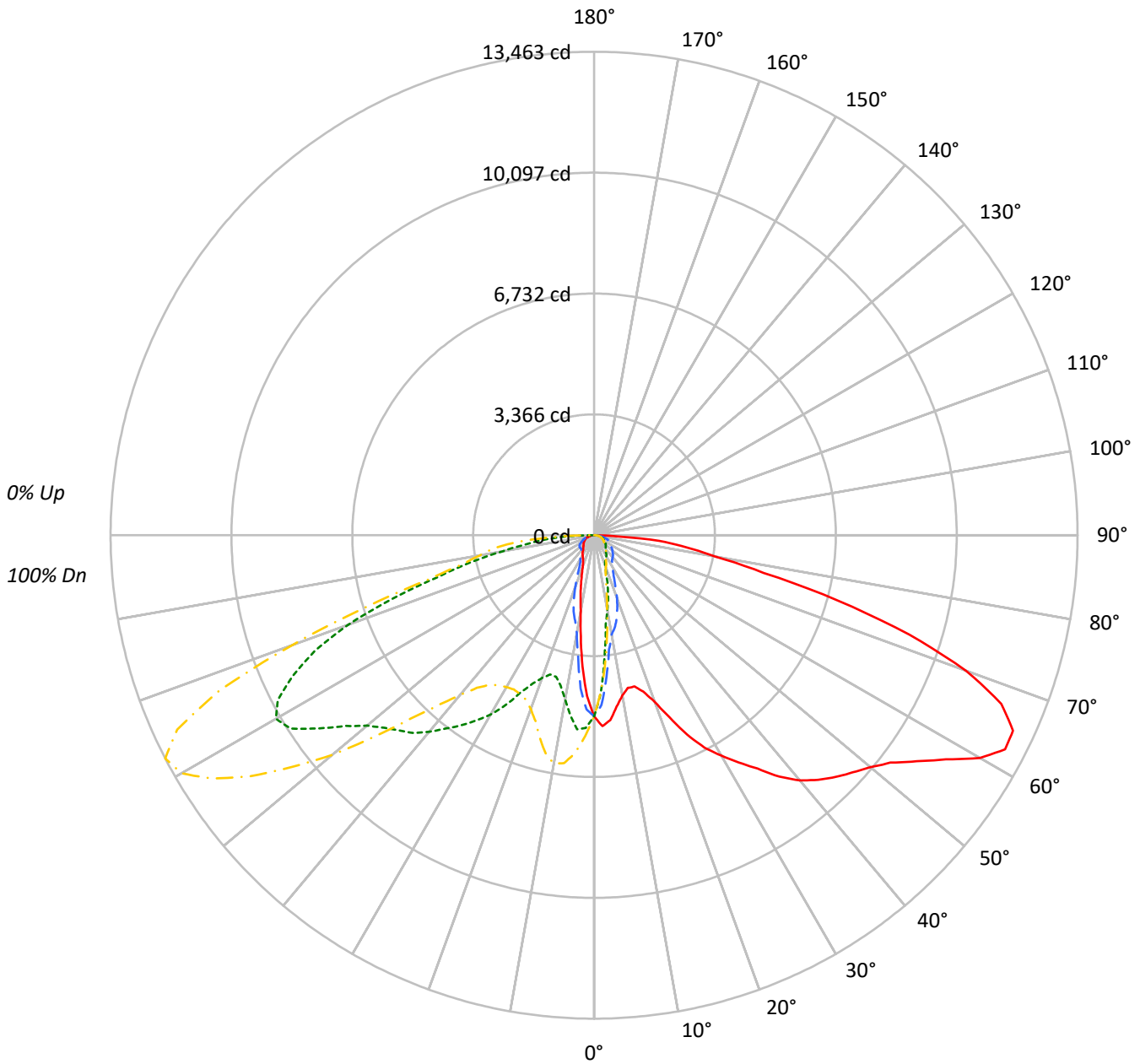
Lumens per Lamp: N/A  
 Luminaire Lumens: 16865.4 lumens  
 Efficiency: N/A  
 Efficacy: 72.7 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 232.1  
 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	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77				
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59				
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46				
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36				
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30				
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25				
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21				
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18				
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16				
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14				

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

	0°	90°	180°	270°
0°	72305	72305	72305	72305
5°	74411	48388	52860	78172
10°	66017	30745	31054	67559
15°	64791	21807	20653	60598
20°	75329	13795	13901	64553
25°	96876	11843	11509	76316
30°	117400	11226	10523	95535
35°	138954	9890	9519	113240
40°	166961	9386	8725	133781
45°	193196	9308	8449	155959
50°	224343	9453	8507	184169
55°	274541	9711	8650	234639
60°	356056	9722	9113	293473
65°	437065	9824	9346	314139
70°	462485	10365	9769	305858
75°	389308	10957	9782	249626
80°	282842	12827	9918	215772
85°	299781	18591	8135	224247

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	389.9	2.3
10°-20°	816.0	4.8
20°-30°	1175.9	7.0
30°-40°	1692.9	10.0
40°-50°	2404.6	14.3
50°-60°	3457.2	20.5
60°-70°	3994.2	23.7
70°-80°	2261.6	13.4
80°-90°	673.1	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°	2381.8	14.1
0°-40°	4074.7	24.2
0°-60°	9936.5	58.9
0°-90°	16865.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16865.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5038	5038	5038	5038	5038	
5°	5165	3359	3669	5426	5165	469
15°	4361	1468	1390	4078	4361	1282
25°	6118	748	727	4819	6118	2839
35°	7931	564	543	6463	7931	5033
45°	9519	459	416	7684	9519	7370
55°	10972	388	346	9377	10972	9937
65°	12870	289	275	9250	12870	12342
75°	7021	198	176	4502	7021	7449
85°	1820	113	49	1362	1820	1813
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°	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0
2.5°	5320.2	5313.2	5270.8	5136.8	4995.7	4861.6	4734.6	4600.5	4530.0	4445.3	4410.0
5°	5165.0	5150.9	5030.9	4734.6	4473.5	4191.3	3951.4	3760.9	3605.6	3450.4	3393.9
7.5°	4812.2	4791.0	4649.9	4240.7	3859.6	3492.7	3203.4	2956.5	2751.8	2660.1	2554.3
10°	4530.0	4494.7	4311.2	3859.6	3365.7	2998.8	2808.3	2638.9	2462.5	2314.4	2159.1
12.5°	4353.6	4311.2	4120.7	3591.5	3111.7	2836.5	2638.9	2448.4	2229.7	2046.2	1876.9
15°	4360.6	4311.2	4078.4	3520.9	3048.2	2695.4	2420.2	2159.1	1905.1	1700.5	1510.0
17.5°	4565.2	4501.7	4254.8	3619.7	2998.8	2511.9	2145.0	1806.3	1517.0	1298.3	1143.1
20°	4932.2	4889.8	4607.6	3767.9	2949.4	2314.4	1862.8	1453.5	1150.1	980.8	917.3
22.5°	5482.5	5433.1	5129.7	3993.7	2935.3	2138.0	1559.4	1143.1	924.3	853.8	818.5
25°	6117.6	6025.8	5743.6	4374.7	2963.5	1975.7	1312.4	945.5	825.6	776.2	755.0
27.5°	6667.9	6611.5	6294.0	4734.6	2977.6	1848.7	1143.1	860.8	769.1	726.8	712.7
30°	7084.2	7063.1	6752.6	5129.7	2942.4	1693.4	1037.2	825.6	769.1	726.8	684.4
32.5°	7500.5	7507.6	7176.0	5433.1	2893.0	1559.4	938.4	733.8	677.4	649.2	656.2
35°	7931.0	7966.2	7684.0	5729.5	2787.1	1510.0	867.9	684.4	635.0	592.7	571.5
37.5°	8474.3	8566.0	8290.8	6061.1	2681.3	1467.7	832.6	649.2	599.8	564.5	536.3
40°	8911.7	9081.1	8918.8	6371.6	2610.7	1418.3	804.4	613.9	578.6	536.3	515.1
42.5°	9236.3	9433.9	9377.4	6611.5	2610.7	1368.9	776.2	592.7	564.5	515.1	486.9
45°	9518.6	9723.2	9716.1	6858.4	2667.2	1340.6	740.9	592.7	550.4	501.0	472.8
47.5°	9772.6	9977.2	10047.8	7168.9	2758.9	1326.5	698.5	578.6	550.4	493.9	451.6
50°	10047.8	10273.6	10485.2	7662.8	2871.8	1291.3	670.3	557.4	557.4	486.9	437.5
52.5°	10400.6	10654.6	11042.7	8276.7	2984.7	1227.7	628.0	543.3	557.4	479.8	423.4
55°	10972.1	11183.8	11691.8	9010.5	3125.8	1150.1	592.7	508.0	529.2	458.6	402.2
57.5°	11614.2	11797.7	12221.0	9575.0	3168.1	1051.3	543.3	472.8	508.0	437.5	374.0
60°	12404.5	12496.2	12496.2	9737.3	3027.0	959.6	508.0	444.5	458.6	416.3	352.8
62.5°	12905.4	12905.4	12496.2	9440.9	2758.9	882.0	479.8	416.3	402.2	388.1	331.6
65°	12870.2	12813.7	12206.9	8580.1	2448.4	832.6	451.6	381.0	359.9	352.8	310.5
67.5°	12277.5	12178.7	11353.1	7366.5	2123.9	811.4	423.4	345.7	331.6	317.5	282.2
70°	11021.5	10767.5	9751.4	5927.0	1806.3	797.3	416.3	317.5	303.4	289.3	261.1
72.5°	9201.0	8876.5	7613.4	4558.2	1517.0	747.9	395.1	282.2	275.2	261.1	232.8
75°	7020.7	6421.0	5313.2	3485.7	1178.4	649.2	338.7	247.0	247.0	239.9	211.7
77.5°	4840.4	4530.0	3704.4	2575.4	860.8	501.0	275.2	218.7	218.7	225.8	197.6
80°	3422.2	3132.9	2638.9	1848.7	543.3	338.7	211.7	183.5	204.6	218.7	183.5
82.5°	2617.8	2406.1	1961.6	1347.7	317.5	232.8	162.3	148.2	176.4	190.5	155.2
85°	1820.5	1566.4	994.9	903.2	183.5	141.1	120.0	120.0	155.2	190.5	141.1
87.5°	515.1	218.7	63.5	268.1	77.6	56.4	42.3	28.2	42.3	42.3	28.2
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°	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0
2.5°	4374.7	4332.4	4332.4	4318.3	4325.3	4332.4	4325.3	4374.7	4395.9	4424.1	4480.6
5°	3358.7	3415.1	3372.8	3415.1	3471.6	3556.2	3577.4	3640.9	3648.0	3697.4	3669.1
7.5°	2490.8	2483.7	2448.4	2497.8	2653.1	2773.0	2829.5	2864.7	2871.8	2871.8	2836.5
10°	2109.7	2046.2	1982.7	1947.5	1961.6	2088.6	2130.9	2152.1	2138.0	2159.1	2130.9
12.5°	1806.3	1749.9	1658.2	1594.7	1552.3	1587.6	1629.9	1651.1	1665.2	1700.5	1728.7
15°	1467.7	1411.2	1354.8	1319.5	1284.2	1256.0	1291.3	1312.4	1347.7	1375.9	1390.0
17.5°	1114.8	1086.6	1058.4	1079.6	1079.6	1065.5	1079.6	1086.6	1100.7	1121.9	1114.8
20°	903.2	896.1	889.1	924.3	952.6	952.6	966.7	945.5	938.4	917.3	910.2
22.5°	804.4	804.4	811.4	839.7	867.9	882.0	882.0	846.7	811.4	797.3	804.4
25°	747.9	747.9	769.1	776.2	790.3	790.3	797.3	762.0	740.9	719.7	726.8
27.5°	705.6	705.6	712.7	712.7	719.7	719.7	726.8	712.7	684.4	677.4	677.4
30°	677.4	677.4	670.3	670.3	670.3	670.3	677.4	656.2	642.1	635.0	635.0
32.5°	649.2	642.1	635.0	635.0	628.0	628.0	635.0	613.9	606.8	606.8	606.8
35°	564.5	557.4	564.5	578.6	578.6	585.6	585.6	578.6	564.5	550.4	543.3
37.5°	529.2	522.1	522.1	522.1	536.3	543.3	550.4	536.3	515.1	493.9	493.9
40°	501.0	501.0	493.9	493.9	493.9	508.0	522.1	501.0	472.8	465.7	465.7
42.5°	479.8	472.8	465.7	458.6	451.6	472.8	486.9	458.6	444.5	444.5	444.5
45°	458.6	451.6	444.5	437.5	430.4	437.5	451.6	423.4	416.3	416.3	416.3
47.5°	437.5	430.4	416.3	409.2	402.2	402.2	416.3	395.1	388.1	395.1	395.1
50°	423.4	409.2	395.1	388.1	381.0	381.0	381.0	374.0	374.0	374.0	381.0
52.5°	409.2	395.1	374.0	366.9	359.9	359.9	359.9	359.9	352.8	359.9	366.9
55°	388.1	374.0	359.9	352.8	345.7	338.7	345.7	338.7	338.7	345.7	345.7
57.5°	359.9	345.7	331.6	331.6	324.6	324.6	331.6	324.6	324.6	331.6	331.6
60°	338.7	324.6	310.5	310.5	303.4	310.5	317.5	310.5	310.5	310.5	317.5
62.5°	310.5	303.4	289.3	289.3	289.3	289.3	296.4	289.3	296.4	296.4	296.4
65°	289.3	275.2	268.1	268.1	268.1	268.1	282.2	268.1	275.2	275.2	275.2
67.5°	268.1	254.0	247.0	247.0	247.0	247.0	261.1	247.0	254.0	261.1	254.0
70°	247.0	232.8	225.8	225.8	225.8	225.8	232.8	225.8	225.8	232.8	232.8
72.5°	218.7	211.7	204.6	204.6	197.6	204.6	211.7	204.6	204.6	204.6	204.6
75°	197.6	190.5	190.5	183.5	183.5	183.5	190.5	176.4	176.4	176.4	176.4
77.5°	183.5	169.3	169.3	169.3	162.3	169.3	162.3	148.2	148.2	148.2	148.2
80°	155.2	141.1	148.2	148.2	141.1	141.1	134.1	120.0	120.0	120.0	120.0
82.5°	127.0	112.9	120.0	120.0	120.0	120.0	105.8	98.8	91.7	84.7	84.7
85°	112.9	91.7	105.8	105.8	98.8	98.8	70.6	70.6	56.4	56.4	49.4
87.5°	21.2	14.1	28.2	35.3	35.3	42.3	28.2	35.3	21.2	14.1	14.1
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0
2.5°	4473.5	4551.1	4657.0	4734.6	4854.5	4946.3	5087.4	5207.3	5320.2	5369.6	5419.0
5°	3753.8	3803.2	3965.5	4092.5	4283.0	4487.6	4741.6	5016.8	5299.1	5426.1	5574.2
7.5°	2808.3	2900.0	2991.7	3175.2	3408.1	3739.7	4064.3	4473.5	4868.6	5059.2	5313.2
10°	2180.3	2250.9	2356.7	2547.2	2766.0	3041.1	3429.2	3916.1	4388.8	4635.8	4896.9
12.5°	1749.9	1848.7	1989.8	2187.4	2441.4	2723.6	3005.9	3457.4	4007.8	4290.1	4586.4
15°	1418.3	1495.9	1651.1	1898.1	2194.4	2483.7	2780.1	3154.0	3753.8	4078.4	4431.2
17.5°	1129.0	1185.4	1326.5	1573.5	1869.8	2194.4	2533.1	3005.9	3669.1	4064.3	4480.6
20°	917.3	959.6	1051.3	1234.8	1517.0	1869.8	2293.2	2864.7	3718.5	4226.6	4734.6
22.5°	804.4	818.5	860.8	959.6	1192.5	1566.4	2074.5	2744.8	3810.2	4466.5	5150.9
25°	726.8	740.9	755.0	818.5	952.6	1305.4	1884.0	2674.2	4007.8	4819.3	5630.7
27.5°	677.4	691.5	698.5	726.8	818.5	1114.8	1721.7	2631.9	4275.9	5334.3	6223.4
30°	635.0	635.0	656.2	698.5	762.0	980.8	1580.5	2533.1	4558.2	5764.8	6689.1
32.5°	599.8	606.8	635.0	656.2	698.5	867.9	1439.4	2406.1	4812.2	6117.6	7147.7
35°	536.3	536.3	543.3	578.6	635.0	776.2	1312.4	2279.1	4953.3	6463.3	7557.0
37.5°	493.9	501.0	515.1	543.3	592.7	712.7	1206.6	2138.0	5101.5	6787.9	8036.8
40°	465.7	472.8	486.9	515.1	564.5	656.2	1114.8	2025.1	5256.7	7140.7	8551.9
42.5°	444.5	451.6	465.7	493.9	536.3	642.1	1016.1	1933.3	5348.5	7465.3	9038.8
45°	423.4	430.4	451.6	479.8	515.1	628.0	959.6	1869.8	5383.7	7684.0	9426.8
47.5°	402.2	409.2	430.4	472.8	515.1	606.8	938.4	1834.6	5412.0	7931.0	9737.3
50°	381.0	395.1	423.4	465.7	522.1	578.6	924.3	1827.5	5574.2	8248.5	10033.6
52.5°	366.9	388.1	416.3	465.7	515.1	536.3	917.3	1848.7	5898.8	8721.2	10457.0
55°	352.8	374.0	402.2	465.7	493.9	501.0	882.0	1884.0	6392.7	9377.4	11056.8
57.5°	338.7	352.8	388.1	451.6	465.7	472.8	811.4	1933.3	6886.7	10019.5	11670.6
60°	317.5	331.6	366.9	451.6	423.4	444.5	719.7	1947.5	7239.5	10224.2	11727.1
62.5°	296.4	310.5	345.7	465.7	388.1	416.3	642.1	1898.1	7310.0	9927.8	11409.6
65°	275.2	289.3	317.5	388.1	359.9	388.1	592.7	1764.0	7077.2	9250.4	10831.0
67.5°	254.0	268.1	289.3	317.5	324.6	352.8	571.5	1552.3	6491.5	8410.8	10040.7
70°	225.8	239.9	261.1	282.2	289.3	331.6	536.3	1347.7	5546.0	7288.9	9074.0
72.5°	204.6	211.7	232.8	247.0	261.1	303.4	515.1	1178.4	4240.7	5898.8	7401.8
75°	176.4	176.4	197.6	211.7	225.8	268.1	472.8	980.8	2991.7	4501.7	5440.2
77.5°	148.2	148.2	162.3	176.4	190.5	232.8	402.2	797.3	2074.5	3570.3	3944.3
80°	112.9	112.9	127.0	141.1	155.2	197.6	324.6	585.6	1284.2	2610.7	2871.8
82.5°	77.6	77.6	98.8	105.8	112.9	155.2	247.0	402.2	755.0	1884.0	2053.3
85°	42.3	42.3	56.4	63.5	77.6	112.9	183.5	282.2	451.6	1361.8	1368.9
87.5°	7.1	7.1	21.2	21.2	35.3	56.4	105.8	155.2	254.0	755.0	479.8
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: P598799  
 CATALOG NUMBER: IFLD-S-SA3E-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0	5038.0
2.5°	5510.7	5588.4	5595.4	5595.4	5560.1	5567.2	5468.4	5362.6	5327.3	5320.2
5°	5800.0	6004.7	6061.1	6089.3	5997.6	5856.5	5602.5	5327.3	5186.2	5165.0
7.5°	5743.6	6152.8	6371.6	6399.8	6216.3	5884.7	5440.2	5016.8	4854.5	4812.2
10°	5412.0	5962.3	6357.5	6456.3	6258.7	5835.3	5256.7	4762.8	4565.2	4530.0
12.5°	5179.1	5708.3	6096.4	6230.5	6138.7	5771.8	5165.0	4600.5	4403.0	4353.6
15°	5052.1	5539.0	5793.0	5835.3	5828.3	5673.0	5165.0	4635.8	4417.1	4360.6
17.5°	5157.9	5489.6	5524.9	5426.1	5482.5	5560.1	5277.9	4826.3	4614.6	4565.2
20°	5369.6	5468.4	5299.1	5150.9	5179.1	5426.1	5454.3	5186.2	5016.8	4932.2
22.5°	5814.2	5546.0	5157.9	4953.3	4974.5	5320.2	5687.1	5673.0	5524.9	5482.5
25°	6265.7	5764.8	5115.6	4875.7	4903.9	5299.1	5962.3	6216.3	6138.7	6117.6
27.5°	6766.7	6131.7	5143.8	4840.4	4875.7	5327.3	6152.8	6675.0	6689.1	6667.9
30°	7105.4	6308.1	5228.5	4882.8	4932.2	5397.8	6195.2	6950.2	7077.2	7084.2
32.5°	7387.6	6484.5	5404.9	4953.3	5038.0	5524.9	6308.1	7211.2	7493.5	7500.5
35°	7613.4	6682.0	5623.6	5080.3	5207.3	5736.5	6456.3	7458.2	7881.6	7931.0
37.5°	7902.7	6900.8	5877.7	5355.5	5496.6	6039.9	6717.3	7747.5	8340.2	8474.3
40°	8213.2	7119.5	6244.6	5800.0	6004.7	6491.5	7013.7	8072.1	8728.3	8911.7
42.5°	8558.9	7352.4	6660.9	6399.8	6710.3	7063.1	7352.4	8368.4	9024.6	9236.3
45°	8897.6	7634.6	7267.7	7218.3	7564.0	7740.4	7684.0	8580.1	9306.9	9518.6
47.5°	9137.5	8043.9	8001.5	8297.9	8622.4	8530.7	8072.1	8735.3	9539.7	9772.6
50°	9356.3	8551.9	8925.9	9504.4	9702.0	9391.6	8488.4	8947.0	9786.7	10047.8
52.5°	9680.8	9095.2	9878.4	10598.1	10788.6	10294.7	8940.0	9292.8	10167.7	10400.6
55°	10344.1	9709.1	10873.3	11698.9	11734.1	11120.3	9546.8	9878.4	10704.0	10972.1
57.5°	11085.0	10464.1	11663.6	12609.1	12595.0	11945.8	10231.2	10668.7	11430.7	11614.2
60°	11755.3	11226.1	12524.4	13258.2	13223.0	12545.6	11028.5	11564.8	12263.3	12404.5
62.5°	12150.5	11917.6	12905.4	13462.9	13328.8	12743.2	11705.9	12362.1	12856.1	12905.4
65°	12086.9	12312.7	12460.9	12806.7	12616.1	12192.8	12037.6	12870.2	12919.6	12870.2
67.5°	11607.1	12086.9	11240.2	11275.5	11176.7	10816.9	11522.5	12736.1	12397.4	12277.5
70°	10880.4	10915.6	9398.6	8954.1	9109.3	8615.4	9885.5	11691.8	11169.7	11021.5
72.5°	9673.8	9236.3	7105.4	6653.8	6886.7	6533.9	7931.0	10188.9	9680.8	9201.0
75°	8114.4	7317.1	5412.0	4769.9	4889.8	4875.7	6145.8	8417.8	7500.5	7020.7
77.5°	6286.9	5701.3	3993.7	3746.7	3619.7	3648.0	4290.1	6258.7	5440.2	4840.4
80°	4593.5	3986.6	3090.5	3231.7	3161.1	2991.7	3005.9	4191.3	3782.0	3422.2
82.5°	3175.2	2836.5	2504.9	2829.5	2660.1	2399.0	2342.6	3020.0	2836.5	2617.8
85°	2130.9	2335.5	1989.8	2166.2	1876.9	1728.7	2201.5	2526.1	2039.2	1820.5
87.5°	1390.0	2138.0	1432.4	1086.6	620.9	832.6	1347.7	1658.2	952.6	515.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)