

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: P598798

Luminaire Tested: **IFLD-S-SA3D-827-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P598798
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3D-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

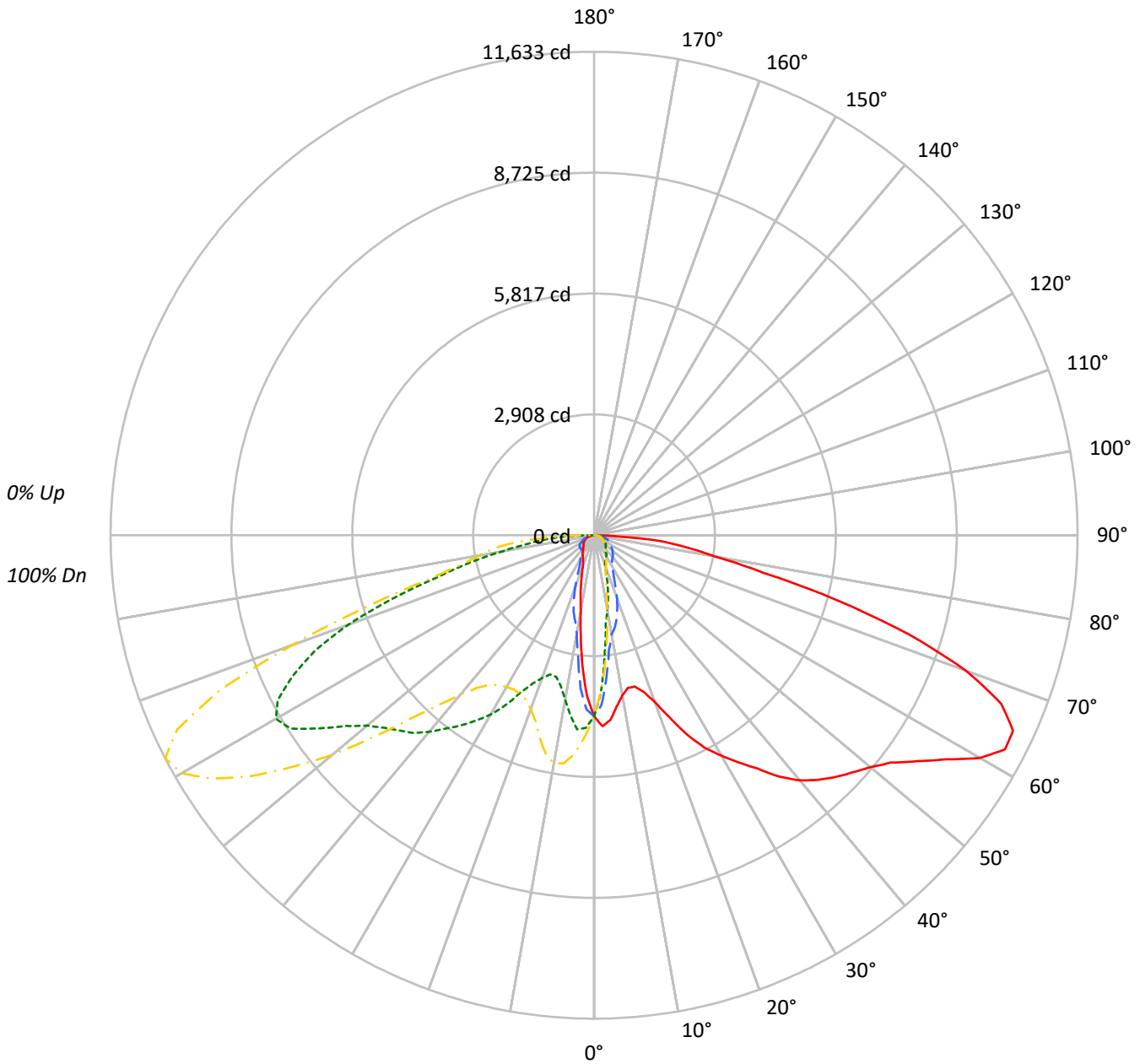
Lumens per Lamp: N/A
 Luminaire Lumens: 14572.9 lumens
 Efficiency: N/A
 Efficacy: 79.2 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 184.1
 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

TEST NUMBER: P598798
CATALOG NUMBER: IFLD-S-SA3D-827-U-SLR

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°

TEST NUMBER: P598798
 CATALOG NUMBER: IFLD-S-SA3D-827-U-SLR

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°	62477	62477	62477	62477
5°	64297	41810	45675	67546
10°	57043	26567	26834	58376
15°	55984	18843	17846	52360
20°	65090	11919	12012	55778
25°	83707	10235	9945	65942
30°	101443	9700	9093	82549
35°	120066	8546	8226	97848
40°	144267	8110	7539	115597
45°	166936	8044	7301	134762
50°	193848	8167	7350	159135
55°	237224	8390	7474	202746
60°	307659	8402	7876	253581
65°	377656	8490	8076	271441
70°	399622	8955	8443	264282
75°	336391	9466	8451	215695
80°	244394	11083	8562	186448
85°	259025	16072	7031	193767

TEST NUMBER: P598798
 CATALOG NUMBER: IFLD-S-SA3D-827-U-SLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.9	2.3
10°-20°	705.1	4.8
20°-30°	1016.1	7.0
30°-40°	1462.8	10.0
40°-50°	2077.8	14.3
50°-60°	2987.3	20.5
60°-70°	3451.3	23.7
70°-80°	1954.2	13.4
80°-90°	581.6	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°	2058.1	14.1
0°-40°	3520.9	24.2
0°-60°	8585.9	58.9
0°-90°	14572.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14572.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4353	4353	4353	4353	4353	
5°	4463	2902	3170	4688	4463	405
15°	3768	1268	1201	3524	3768	1108
25°	5286	646	628	4164	5286	2454
35°	6853	488	470	5585	6853	4349
45°	8225	396	360	6640	8225	6369
55°	9481	335	299	8103	9481	8586
65°	11121	250	238	7993	11121	10664
75°	6066	171	152	3890	6066	6437
85°	1573	98	43	1177	1573	1567
90°	0	0	0	0	0	

TEST NUMBER: P598798
 CATALOG NUMBER: IFLD-S-SA3D-827-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2
2.5°	4597.1	4591.0	4554.4	4438.6	4316.6	4200.8	4091.0	3975.2	3914.2	3841.1	3810.6
5°	4463.0	4450.8	4347.1	4091.0	3865.5	3621.6	3414.3	3249.7	3115.5	2981.4	2932.6
7.5°	4158.1	4139.8	4017.9	3664.3	3335.0	3018.0	2768.0	2554.6	2377.8	2298.5	2207.1
10°	3914.2	3883.7	3725.2	3335.0	2908.2	2591.2	2426.6	2280.3	2127.8	1999.8	1865.7
12.5°	3761.8	3725.2	3560.6	3103.3	2688.7	2451.0	2280.3	2115.6	1926.6	1768.1	1621.8
15°	3767.9	3725.2	3524.0	3042.4	2633.9	2329.0	2091.2	1865.7	1646.2	1469.4	1304.7
17.5°	3944.7	3889.8	3676.4	3127.7	2591.2	2170.5	1853.5	1560.8	1310.8	1121.8	987.7
20°	4261.8	4225.2	3981.3	3255.8	2548.5	1999.8	1609.6	1256.0	993.8	847.5	792.6
22.5°	4737.3	4694.6	4432.5	3450.9	2536.3	1847.4	1347.4	987.7	798.7	737.7	707.2
25°	5286.0	5206.8	4962.9	3780.1	2560.7	1707.1	1134.0	817.0	713.3	670.7	652.4
27.5°	5761.6	5712.8	5438.5	4091.0	2572.9	1597.4	987.7	743.8	664.6	628.0	615.8
30°	6121.3	6103.0	5834.8	4432.5	2542.4	1463.3	896.2	713.3	664.6	628.0	591.4
32.5°	6481.0	6487.1	6200.6	4694.6	2499.7	1347.4	810.9	634.1	585.3	560.9	567.0
35°	6852.9	6883.4	6639.6	4950.7	2408.3	1304.7	749.9	591.4	548.7	512.1	493.9
37.5°	7322.4	7401.7	7163.9	5237.3	2316.8	1268.2	719.4	560.9	518.2	487.8	463.4
40°	7700.4	7846.7	7706.5	5505.5	2255.9	1225.5	695.0	530.4	499.9	463.4	445.1
42.5°	7980.9	8151.6	8102.8	5712.8	2255.9	1182.8	670.7	512.1	487.8	445.1	420.7
45°	8224.8	8401.6	8395.5	5926.2	2304.6	1158.4	640.2	512.1	475.6	432.9	408.5
47.5°	8444.2	8621.1	8682.0	6194.5	2383.9	1146.2	603.6	499.9	475.6	426.8	390.2
50°	8682.0	8877.1	9060.0	6621.3	2481.4	1115.7	579.2	481.7	481.7	420.7	378.0
52.5°	8986.9	9206.4	9541.7	7151.7	2579.0	1060.9	542.6	469.5	481.7	414.6	365.8
55°	9480.7	9663.6	10102.6	7785.8	2700.9	993.8	512.1	439.0	457.3	396.3	347.5
57.5°	10035.5	10194.1	10559.9	8273.5	2737.5	908.4	469.5	408.5	439.0	378.0	323.1
60°	10718.4	10797.7	10797.7	8413.8	2615.6	829.2	439.0	384.1	396.3	359.7	304.8
62.5°	11151.3	11151.3	10797.7	8157.7	2383.9	762.1	414.6	359.7	347.5	335.3	286.6
65°	11120.8	11072.0	10547.7	7413.9	2115.6	719.4	390.2	329.2	310.9	304.8	268.3
67.5°	10608.7	10523.3	9810.0	6365.2	1835.2	701.1	365.8	298.7	286.6	274.4	243.9
70°	9523.4	9303.9	8426.0	5121.4	1560.8	689.0	359.7	274.4	262.2	250.0	225.6
72.5°	7950.4	7669.9	6578.6	3938.6	1310.8	646.3	341.4	243.9	237.8	225.6	201.2
75°	6066.4	5548.2	4591.0	3011.9	1018.2	560.9	292.7	213.4	213.4	207.3	182.9
77.5°	4182.5	3914.2	3200.9	2225.4	743.8	432.9	237.8	189.0	189.0	195.1	170.7
80°	2957.0	2707.0	2280.3	1597.4	469.5	292.7	182.9	158.5	176.8	189.0	158.5
82.5°	2262.0	2079.1	1694.9	1164.5	274.4	201.2	140.2	128.0	152.4	164.6	134.1
85°	1573.0	1353.5	859.7	780.4	158.5	121.9	103.6	103.6	134.1	164.6	121.9
87.5°	445.1	189.0	54.9	231.7	67.1	48.8	36.6	24.4	36.6	36.6	24.4
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: P598798
 CATALOG NUMBER: IFLD-S-SA3D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2
2.5°	3780.1	3743.5	3743.5	3731.3	3737.4	3743.5	3737.4	3780.1	3798.4	3822.8	3871.5
5°	2902.1	2950.9	2914.3	2950.9	2999.7	3072.9	3091.1	3146.0	3152.1	3194.8	3170.4
7.5°	2152.2	2146.1	2115.6	2158.3	2292.4	2396.1	2444.9	2475.4	2481.4	2481.4	2451.0
10°	1823.0	1768.1	1713.2	1682.8	1694.9	1804.7	1841.3	1859.6	1847.4	1865.7	1841.3
12.5°	1560.8	1512.0	1432.8	1377.9	1341.3	1371.8	1408.4	1426.7	1438.9	1469.4	1493.7
15°	1268.2	1219.4	1170.6	1140.1	1109.6	1085.3	1115.7	1134.0	1164.5	1188.9	1201.1
17.5°	963.3	938.9	914.5	932.8	932.8	920.6	932.8	938.9	951.1	969.4	963.3
20°	780.4	774.3	768.2	798.7	823.1	823.1	835.3	817.0	810.9	792.6	786.5
22.5°	695.0	695.0	701.1	725.5	749.9	762.1	762.1	731.6	701.1	689.0	695.0
25°	646.3	646.3	664.6	670.7	682.9	682.9	689.0	658.5	640.2	621.9	628.0
27.5°	609.7	609.7	615.8	615.8	621.9	621.9	628.0	615.8	591.4	585.3	585.3
30°	585.3	585.3	579.2	579.2	579.2	579.2	585.3	567.0	554.8	548.7	548.7
32.5°	560.9	554.8	548.7	548.7	542.6	542.6	548.7	530.4	524.3	524.3	524.3
35°	487.8	481.7	487.8	499.9	499.9	506.0	506.0	499.9	487.8	475.6	469.5
37.5°	457.3	451.2	451.2	451.2	463.4	469.5	475.6	463.4	445.1	426.8	426.8
40°	432.9	432.9	426.8	426.8	426.8	439.0	451.2	432.9	408.5	402.4	402.4
42.5°	414.6	408.5	402.4	396.3	390.2	408.5	420.7	396.3	384.1	384.1	384.1
45°	396.3	390.2	384.1	378.0	371.9	378.0	390.2	365.8	359.7	359.7	359.7
47.5°	378.0	371.9	359.7	353.6	347.5	347.5	359.7	341.4	335.3	341.4	341.4
50°	365.8	353.6	341.4	335.3	329.2	329.2	329.2	323.1	323.1	323.1	329.2
52.5°	353.6	341.4	323.1	317.0	310.9	310.9	310.9	310.9	304.8	310.9	317.0
55°	335.3	323.1	310.9	304.8	298.7	292.7	298.7	292.7	292.7	298.7	298.7
57.5°	310.9	298.7	286.6	286.6	280.5	280.5	286.6	280.5	280.5	286.6	286.6
60°	292.7	280.5	268.3	268.3	262.2	268.3	274.4	268.3	268.3	268.3	274.4
62.5°	268.3	262.2	250.0	250.0	250.0	250.0	256.1	250.0	256.1	256.1	256.1
65°	250.0	237.8	231.7	231.7	231.7	231.7	243.9	231.7	237.8	237.8	237.8
67.5°	231.7	219.5	213.4	213.4	213.4	213.4	225.6	213.4	219.5	225.6	219.5
70°	213.4	201.2	195.1	195.1	195.1	195.1	201.2	195.1	195.1	201.2	201.2
72.5°	189.0	182.9	176.8	176.8	170.7	176.8	182.9	176.8	176.8	176.8	176.8
75°	170.7	164.6	164.6	158.5	158.5	158.5	164.6	152.4	152.4	152.4	152.4
77.5°	158.5	146.3	146.3	146.3	140.2	146.3	140.2	128.0	128.0	128.0	128.0
80°	134.1	121.9	128.0	128.0	121.9	121.9	115.8	103.6	103.6	103.6	103.6
82.5°	109.7	97.6	103.6	103.6	103.6	103.6	91.5	85.4	79.3	73.2	73.2
85°	97.6	79.3	91.5	91.5	85.4	85.4	61.0	61.0	48.8	48.8	42.7
87.5°	18.3	12.2	24.4	30.5	30.5	36.6	24.4	30.5	18.3	12.2	12.2
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: P598798
 CATALOG NUMBER: IFLD-S-SA3D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2
2.5°	3865.5	3932.5	4024.0	4091.0	4194.7	4273.9	4395.9	4499.5	4597.1	4639.8	4682.4
5°	3243.6	3286.2	3426.5	3536.2	3700.8	3877.6	4097.1	4334.9	4578.8	4688.5	4816.6
7.5°	2426.6	2505.8	2585.1	2743.6	2944.8	3231.4	3511.8	3865.5	4206.9	4371.5	4591.0
10°	1884.0	1944.9	2036.4	2201.0	2390.0	2627.8	2963.1	3383.8	3792.3	4005.7	4231.3
12.5°	1512.0	1597.4	1719.3	1890.0	2109.5	2353.4	2597.3	2987.5	3463.1	3706.9	3963.0
15°	1225.5	1292.5	1426.7	1640.1	1896.1	2146.1	2402.2	2725.3	3243.6	3524.0	3828.9
17.5°	975.5	1024.3	1146.2	1359.6	1615.7	1896.1	2188.8	2597.3	3170.4	3511.8	3871.5
20°	792.6	829.2	908.4	1067.0	1310.8	1615.7	1981.5	2475.4	3213.1	3652.1	4091.0
22.5°	695.0	707.2	743.8	829.2	1030.4	1353.5	1792.5	2371.7	3292.3	3859.4	4450.8
25°	628.0	640.2	652.4	707.2	823.1	1127.9	1627.9	2310.7	3463.1	4164.2	4865.3
27.5°	585.3	597.5	603.6	628.0	707.2	963.3	1487.7	2274.2	3694.7	4609.3	5377.5
30°	548.7	548.7	567.0	603.6	658.5	847.5	1365.7	2188.8	3938.6	4981.2	5779.9
32.5°	518.2	524.3	548.7	567.0	603.6	749.9	1243.8	2079.1	4158.1	5286.0	6176.2
35°	463.4	463.4	469.5	499.9	548.7	670.7	1134.0	1969.3	4280.0	5584.8	6529.8
37.5°	426.8	432.9	445.1	469.5	512.1	615.8	1042.6	1847.4	4408.1	5865.2	6944.4
40°	402.4	408.5	420.7	445.1	487.8	567.0	963.3	1749.8	4542.2	6170.1	7389.5
42.5°	384.1	390.2	402.4	426.8	463.4	554.8	878.0	1670.6	4621.5	6450.5	7810.2
45°	365.8	371.9	390.2	414.6	445.1	542.6	829.2	1615.7	4652.0	6639.6	8145.5
47.5°	347.5	353.6	371.9	408.5	445.1	524.3	810.9	1585.2	4676.3	6852.9	8413.8
50°	329.2	341.4	365.8	402.4	451.2	499.9	798.7	1579.1	4816.6	7127.3	8669.8
52.5°	317.0	335.3	359.7	402.4	445.1	463.4	792.6	1597.4	5097.0	7535.8	9035.6
55°	304.8	323.1	347.5	402.4	426.8	432.9	762.1	1627.9	5523.8	8102.8	9553.9
57.5°	292.7	304.8	335.3	390.2	402.4	408.5	701.1	1670.6	5950.6	8657.6	10084.3
60°	274.4	286.6	317.0	390.2	365.8	384.1	621.9	1682.8	6255.4	8834.4	10133.1
62.5°	256.1	268.3	298.7	402.4	335.3	359.7	554.8	1640.1	6316.4	8578.4	9858.7
65°	237.8	250.0	274.4	335.3	310.9	335.3	512.1	1524.2	6115.2	7993.1	9358.8
67.5°	219.5	231.7	250.0	274.4	280.5	304.8	493.9	1341.3	5609.2	7267.5	8675.9
70°	195.1	207.3	225.6	243.9	250.0	286.6	463.4	1164.5	4792.2	6298.1	7840.6
72.5°	176.8	182.9	201.2	213.4	225.6	262.2	445.1	1018.2	3664.3	5097.0	6395.7
75°	152.4	152.4	170.7	182.9	195.1	231.7	408.5	847.5	2585.1	3889.8	4700.7
77.5°	128.0	128.0	140.2	152.4	164.6	201.2	347.5	689.0	1792.5	3085.0	3408.2
80°	97.6	97.6	109.7	121.9	134.1	170.7	280.5	506.0	1109.6	2255.9	2481.4
82.5°	67.1	67.1	85.4	91.5	97.6	134.1	213.4	347.5	652.4	1627.9	1774.2
85°	36.6	36.6	48.8	54.9	67.1	97.6	158.5	243.9	390.2	1176.7	1182.8
87.5°	6.1	6.1	18.3	18.3	30.5	48.8	91.5	134.1	219.5	652.4	414.6
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: P598798
 CATALOG NUMBER: IFLD-S-SA3D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2	4353.2
2.5°	4761.7	4828.8	4834.9	4834.9	4804.4	4810.5	4725.1	4633.7	4603.2	4597.1
5°	5011.7	5188.5	5237.3	5261.6	5182.4	5060.4	4841.0	4603.2	4481.2	4463.0
7.5°	4962.9	5316.5	5505.5	5529.9	5371.4	5084.8	4700.7	4334.9	4194.7	4158.1
10°	4676.3	5151.9	5493.3	5578.7	5408.0	5042.2	4542.2	4115.4	3944.7	3914.2
12.5°	4475.1	4932.4	5267.7	5383.6	5304.3	4987.3	4463.0	3975.2	3804.5	3761.8
15°	4365.4	4786.1	5005.6	5042.2	5036.1	4901.9	4463.0	4005.7	3816.7	3767.9
17.5°	4456.9	4743.4	4773.9	4688.5	4737.3	4804.4	4560.5	4170.3	3987.4	3944.7
20°	4639.8	4725.1	4578.8	4450.8	4475.1	4688.5	4712.9	4481.2	4334.9	4261.8
22.5°	5023.9	4792.2	4456.9	4280.0	4298.3	4597.1	4914.1	4901.9	4773.9	4737.3
25°	5414.1	4981.2	4420.3	4213.0	4237.4	4578.8	5151.9	5371.4	5304.3	5286.0
27.5°	5847.0	5298.2	4444.7	4182.5	4213.0	4603.2	5316.5	5767.7	5779.9	5761.6
30°	6139.6	5450.7	4517.8	4219.1	4261.8	4664.1	5353.1	6005.5	6115.2	6121.3
32.5°	6383.5	5603.1	4670.2	4280.0	4353.2	4773.9	5450.7	6231.1	6474.9	6481.0
35°	6578.6	5773.8	4859.3	4389.8	4499.5	4956.8	5578.7	6444.5	6810.3	6852.9
37.5°	6828.6	5962.8	5078.7	4627.6	4749.5	5219.0	5804.3	6694.4	7206.6	7322.4
40°	7096.8	6151.8	5395.8	5011.7	5188.5	5609.2	6060.3	6974.9	7541.9	7700.4
42.5°	7395.6	6353.0	5755.5	5529.9	5798.2	6103.0	6353.0	7231.0	7798.0	7980.9
45°	7688.2	6596.9	6279.8	6237.2	6535.9	6688.3	6639.6	7413.9	8041.8	8224.8
47.5°	7895.5	6950.5	6913.9	7170.0	7450.4	7371.2	6974.9	7548.0	8243.0	8444.2
50°	8084.5	7389.5	7712.6	8212.6	8383.3	8115.0	7334.6	7730.9	8456.4	8682.0
52.5°	8365.0	7858.9	8535.7	9157.6	9322.2	8895.4	7724.8	8029.7	8785.7	8986.9
55°	8938.1	8389.4	9395.4	10108.7	10139.2	9608.8	8249.1	8535.7	9249.0	9480.7
57.5°	9578.3	9041.7	10078.2	10895.2	10883.0	10322.1	8840.5	9218.6	9877.0	10035.5
60°	10157.5	9700.2	10822.0	11456.1	11425.6	10840.3	9529.5	9992.9	10596.5	10718.4
62.5°	10498.9	10297.7	11151.3	11632.9	11517.1	11011.1	10114.8	10681.8	11108.6	11151.3
65°	10444.0	10639.1	10767.2	11065.9	10901.3	10535.5	10401.4	11120.8	11163.5	11120.8
67.5°	10029.4	10444.0	9712.4	9742.9	9657.5	9346.6	9956.3	11005.0	10712.3	10608.7
70°	9401.5	9431.9	8121.1	7737.0	7871.1	7444.3	8541.8	10102.6	9651.4	9523.4
72.5°	8358.9	7980.9	6139.6	5749.4	5950.6	5645.8	6852.9	8804.0	8365.0	7950.4
75°	7011.5	6322.5	4676.3	4121.5	4225.2	4213.0	5310.4	7273.6	6481.0	6066.4
77.5°	5432.4	4926.3	3450.9	3237.5	3127.7	3152.1	3706.9	5408.0	4700.7	4182.5
80°	3969.1	3444.8	2670.5	2792.4	2731.4	2585.1	2597.3	3621.6	3268.0	2957.0
82.5°	2743.6	2451.0	2164.4	2444.9	2298.5	2073.0	2024.2	2609.5	2451.0	2262.0
85°	1841.3	2018.1	1719.3	1871.8	1621.8	1493.7	1902.2	2182.7	1762.0	1573.0
87.5°	1201.1	1847.4	1237.7	938.9	536.5	719.4	1164.5	1432.8	823.1	445.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)