

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: P598630

Luminaire Tested: **IFLD-S-SA6E-727-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598630
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6E-727-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (96) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

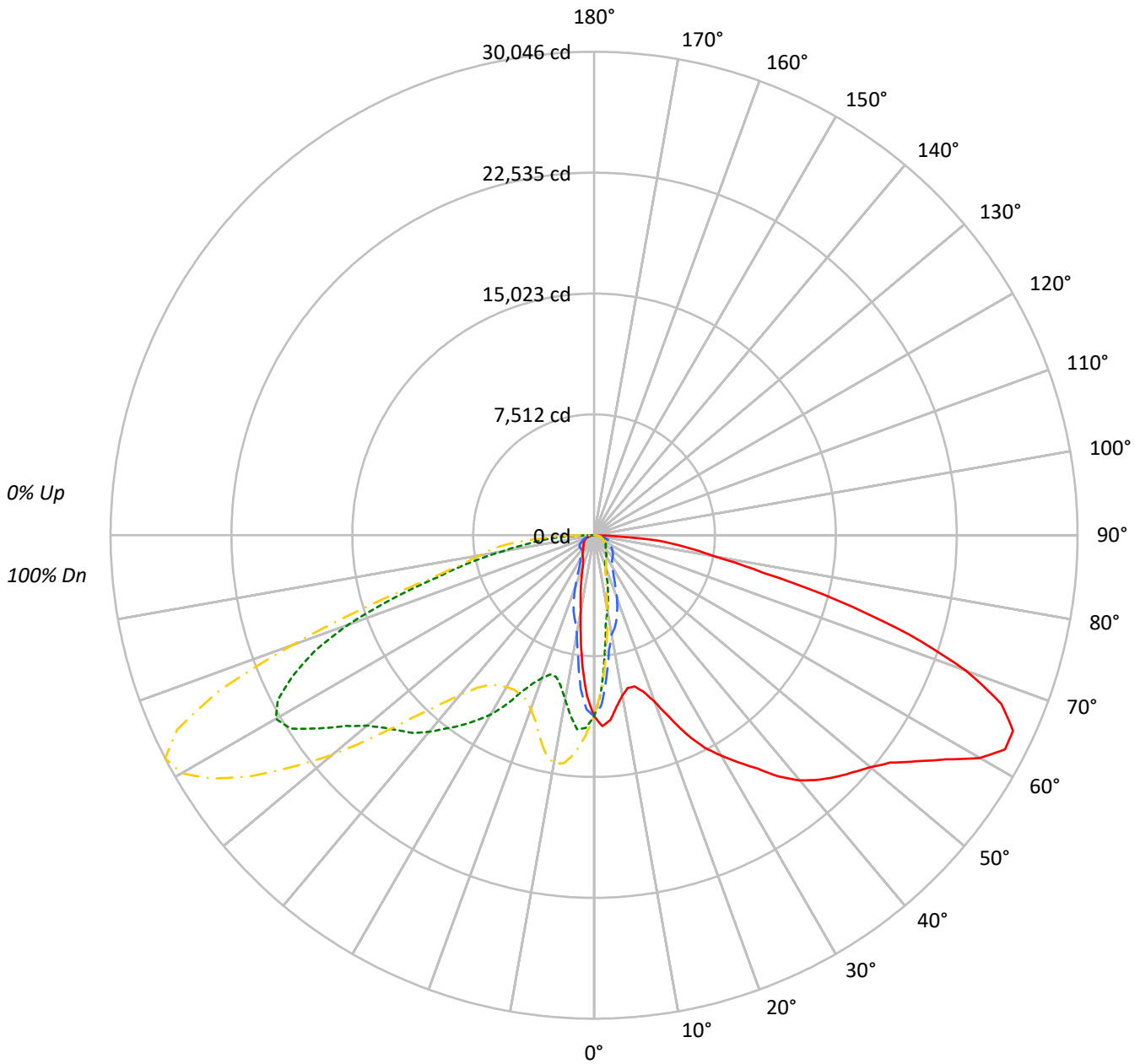
Lumens per Lamp: N/A
 Luminaire Lumens: 37639.0 lumens
 Efficiency: N/A
 Efficacy: 81.1 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 464.2
 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

TEST NUMBER: P598630
CATALOG NUMBER: IFLD-S-SA6E-727-U-SLR

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: IFLD-S-SA6E-727-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			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°	80683	80683	80683	80683
5°	83032	53993	58985	87230
10°	73666	34308	34652	75387
15°	72298	24333	23047	67619
20°	84057	15392	15513	72032
25°	108100	13216	12843	85158
30°	131004	12526	11743	106604
35°	155054	11036	10622	126361
40°	186308	10473	9736	149282
45°	215580	10388	9429	174030
50°	250337	10548	9493	205507
55°	306351	10836	9653	261828
60°	397310	10849	10170	327476
65°	487705	10962	10427	350538
70°	516073	11565	10904	341295
75°	434418	12224	10916	278552
80°	315613	14315	11063	240774
85°	334509	20748	9073	250232

TEST NUMBER: P598630
 CATALOG NUMBER: IFLD-S-SA6E-727-U-SLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.2	2.3
10°-20°	1821.1	4.8
20°-30°	2624.4	7.0
30°-40°	3778.1	10.0
40°-50°	5366.5	14.3
50°-60°	7715.5	20.5
60°-70°	8914.0	23.7
70°-80°	5047.3	13.4
80°-90°	1502.1	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°	5315.7	14.1
0°-40°	9093.7	24.2
0°-60°	22175.8	58.9
0°-90°	37639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37639.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11244	11244	11244	11244	11244	
5°	11527	7496	8188	12110	11527	1046
15°	9732	3275	3102	9102	9732	2862
25°	13653	1669	1622	10755	13653	6337
35°	17700	1260	1212	14424	17700	11233
45°	21243	1024	929	17149	21243	16449
55°	24487	866	772	20928	24487	22177
65°	28723	646	614	20644	28723	27543
75°	15668	441	394	10047	15668	16625
85°	4063	252	110	3039	4063	4046
90°	0	0	0	0	0	

TEST NUMBER: P598630
 CATALOG NUMBER: IFLD-S-SA6E-727-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5
2.5°	11873.4	11857.6	11763.1	11463.9	11149.0	10849.8	10566.3	10267.1	10109.7	9920.7	9842.0
5°	11526.9	11495.4	11227.7	10566.3	9983.7	9353.8	8818.4	8393.2	8046.8	7700.4	7574.4
7.5°	10739.6	10692.3	10377.4	9464.0	8613.7	7794.8	7149.2	6598.1	6141.4	5936.7	5700.5
10°	10109.7	10030.9	9621.5	8613.7	7511.4	6692.5	6267.4	5889.4	5495.8	5165.1	4818.6
12.5°	9716.0	9621.5	9196.3	8015.3	6944.5	6330.4	5889.4	5464.3	4976.1	4566.7	4188.7
15°	9731.7	9621.5	9101.9	7857.8	6802.8	6015.4	5401.3	4818.6	4251.7	3795.1	3369.9
17.5°	10188.4	10046.7	9495.5	8078.3	6692.5	5606.0	4787.1	4031.3	3385.6	2897.5	2551.0
20°	11007.3	10912.8	10282.9	8409.0	6582.3	5165.1	4157.3	3243.9	2566.8	2188.9	2047.1
22.5°	12235.5	12125.3	11448.2	8912.9	6550.8	4771.4	3480.1	2551.0	2062.9	1905.4	1826.7
25°	13652.8	13448.1	12818.2	9763.2	6613.8	4409.2	2929.0	2110.1	1842.4	1732.2	1684.9
27.5°	14881.1	14755.1	14046.5	10566.3	6645.3	4125.8	2551.0	1921.2	1716.4	1622.0	1590.5
30°	15810.2	15762.9	15070.0	11448.2	6566.6	3779.3	2314.8	1842.4	1716.4	1622.0	1527.5
32.5°	16739.2	16755.0	16014.9	12125.3	6456.3	3480.1	2094.4	1637.7	1511.7	1448.7	1464.5
35°	17699.8	17778.5	17148.7	12786.7	6220.1	3369.9	1936.9	1527.5	1417.2	1322.8	1275.5
37.5°	18912.3	19117.1	18502.9	13526.8	5983.9	3275.4	1858.2	1448.7	1338.5	1259.8	1196.8
40°	19888.7	20266.6	19904.4	14219.7	5826.4	3165.2	1795.2	1370.0	1291.3	1196.8	1149.5
42.5°	20613.0	21054.0	20928.0	14755.1	5826.4	3054.9	1732.2	1322.8	1259.8	1149.5	1086.6
45°	21242.9	21699.6	21683.8	15306.2	5952.4	2992.0	1653.5	1322.8	1228.3	1118.0	1055.1
47.5°	21809.8	22266.5	22424.0	15999.1	6157.1	2960.5	1559.0	1291.3	1228.3	1102.3	1007.8
50°	22424.0	22927.9	23400.3	17101.4	6409.1	2881.7	1496.0	1244.0	1244.0	1086.6	976.3
52.5°	23211.3	23778.2	24644.3	18471.4	6661.0	2740.0	1401.5	1212.5	1244.0	1070.8	944.8
55°	24486.8	24959.3	26093.0	20109.1	6976.0	2566.8	1322.8	1133.8	1181.0	1023.6	897.6
57.5°	25919.8	26329.3	27274.1	21368.9	7070.5	2346.3	1212.5	1055.1	1133.8	976.3	834.6
60°	27683.5	27888.2	27888.2	21731.1	6755.5	2141.6	1133.8	992.1	1023.6	929.1	787.4
62.5°	28801.6	28801.6	27888.2	21069.7	6157.1	1968.4	1070.8	929.1	897.6	866.1	740.1
65°	28722.8	28596.8	27242.6	19148.5	5464.3	1858.2	1007.8	850.3	803.1	787.4	692.9
67.5°	27400.1	27179.6	25337.2	16440.0	4739.9	1810.9	944.8	771.6	740.1	708.6	629.9
70°	24597.1	24030.2	21762.6	13227.6	4031.3	1779.4	929.1	708.6	677.1	645.6	582.6
72.5°	20534.3	19809.9	16991.2	10172.7	3385.6	1669.2	881.8	629.9	614.1	582.6	519.7
75°	15668.4	14329.9	11857.6	7779.1	2629.8	1448.7	755.9	551.2	551.2	535.4	472.4
77.5°	10802.6	10109.7	8267.3	5747.7	1921.2	1118.0	614.1	488.2	488.2	503.9	440.9
80°	7637.4	6991.7	5889.4	4125.8	1212.5	755.9	472.4	409.4	456.7	488.2	409.4
82.5°	5842.2	5369.8	4377.7	3007.7	708.6	519.7	362.2	330.7	393.7	425.2	346.4
85°	4062.8	3495.9	2220.3	2015.6	409.4	314.9	267.7	267.7	346.4	425.2	314.9
87.5°	1149.5	488.2	141.7	598.4	173.2	126.0	94.5	63.0	94.5	94.5	63.0
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: P598630
 CATALOG NUMBER: IFLD-S-SA6E-727-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5
2.5°	9763.2	9668.8	9668.8	9637.3	9653.0	9668.8	9653.0	9763.2	9810.5	9873.5	9999.4
5°	7495.6	7621.6	7527.1	7621.6	7747.6	7936.6	7983.8	8125.5	8141.3	8251.5	8188.5
7.5°	5558.7	5543.0	5464.3	5574.5	5920.9	6188.6	6314.6	6393.3	6409.1	6409.1	6330.4
10°	4708.4	4566.7	4425.0	4346.2	4377.7	4661.2	4755.6	4802.9	4771.4	4818.6	4755.6
12.5°	4031.3	3905.3	3700.6	3558.9	3464.4	3543.1	3637.6	3684.8	3716.3	3795.1	3858.1
15°	3275.4	3149.4	3023.5	2944.7	2866.0	2803.0	2881.7	2929.0	3007.7	3070.7	3102.2
17.5°	2488.1	2425.1	2362.1	2409.3	2409.3	2377.8	2409.3	2425.1	2456.6	2503.8	2488.1
20°	2015.6	1999.9	1984.1	2062.9	2125.9	2125.9	2157.4	2110.1	2094.4	2047.1	2031.4
22.5°	1795.2	1795.2	1810.9	1873.9	1936.9	1968.4	1968.4	1889.7	1810.9	1779.4	1795.2
25°	1669.2	1669.2	1716.4	1732.2	1763.7	1763.7	1779.4	1700.7	1653.5	1606.2	1622.0
27.5°	1574.7	1574.7	1590.5	1590.5	1606.2	1606.2	1622.0	1590.5	1527.5	1511.7	1511.7
30°	1511.7	1511.7	1496.0	1496.0	1496.0	1496.0	1511.7	1464.5	1433.0	1417.2	1417.2
32.5°	1448.7	1433.0	1417.2	1417.2	1401.5	1401.5	1417.2	1370.0	1354.3	1354.3	1354.3
35°	1259.8	1244.0	1259.8	1291.3	1291.3	1307.0	1307.0	1291.3	1259.8	1228.3	1212.5
37.5°	1181.0	1165.3	1165.3	1165.3	1196.8	1212.5	1228.3	1196.8	1149.5	1102.3	1102.3
40°	1118.0	1118.0	1102.3	1102.3	1102.3	1133.8	1165.3	1118.0	1055.1	1039.3	1039.3
42.5°	1070.8	1055.1	1039.3	1023.6	1007.8	1055.1	1086.6	1023.6	992.1	992.1	992.1
45°	1023.6	1007.8	992.1	976.3	960.6	976.3	1007.8	944.8	929.1	929.1	929.1
47.5°	976.3	960.6	929.1	913.3	897.6	897.6	929.1	881.8	866.1	881.8	881.8
50°	944.8	913.3	881.8	866.1	850.3	850.3	850.3	834.6	834.6	834.6	850.3
52.5°	913.3	881.8	834.6	818.9	803.1	803.1	803.1	803.1	787.4	803.1	818.9
55°	866.1	834.6	803.1	787.4	771.6	755.9	771.6	755.9	755.9	771.6	771.6
57.5°	803.1	771.6	740.1	740.1	724.4	724.4	740.1	724.4	724.4	740.1	740.1
60°	755.9	724.4	692.9	692.9	677.1	692.9	708.6	692.9	692.9	692.9	708.6
62.5°	692.9	677.1	645.6	645.6	645.6	645.6	661.4	645.6	661.4	661.4	661.4
65°	645.6	614.1	598.4	598.4	598.4	598.4	629.9	598.4	614.1	614.1	614.1
67.5°	598.4	566.9	551.2	551.2	551.2	551.2	582.6	551.2	566.9	582.6	566.9
70°	551.2	519.7	503.9	503.9	503.9	503.9	519.7	503.9	503.9	519.7	519.7
72.5°	488.2	472.4	456.7	456.7	440.9	456.7	472.4	456.7	456.7	456.7	456.7
75°	440.9	425.2	425.2	409.4	409.4	409.4	425.2	393.7	393.7	393.7	393.7
77.5°	409.4	377.9	377.9	377.9	362.2	377.9	362.2	330.7	330.7	330.7	330.7
80°	346.4	314.9	330.7	330.7	314.9	314.9	299.2	267.7	267.7	267.7	267.7
82.5°	283.4	252.0	267.7	267.7	267.7	267.7	236.2	220.5	204.7	189.0	189.0
85°	252.0	204.7	236.2	236.2	220.5	220.5	157.5	157.5	126.0	126.0	110.2
87.5°	47.2	31.5	63.0	78.7	78.7	94.5	63.0	78.7	47.2	31.5	31.5
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: P598630
 CATALOG NUMBER: IFLD-S-SA6E-727-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5
2.5°	9983.7	10156.9	10393.1	10566.3	10834.0	11038.8	11353.7	11621.4	11873.4	11983.6	12093.8
5°	8377.5	8487.7	8849.9	9133.4	9558.5	10015.2	10582.1	11196.2	11826.1	12109.6	12440.3
7.5°	6267.4	6472.1	6676.8	7086.2	7605.9	8346.0	9070.4	9983.7	10865.5	11290.7	11857.6
10°	4865.9	5023.3	5259.6	5684.7	6172.9	6787.0	7653.1	8739.7	9794.7	10345.9	10928.5
12.5°	3905.3	4125.8	4440.7	4881.6	5448.5	6078.4	6708.3	7716.1	8944.4	9574.3	10235.7
15°	3165.2	3338.4	3684.8	4236.0	4897.4	5543.0	6204.4	7039.0	8377.5	9101.9	9889.2
17.5°	2519.5	2645.5	2960.5	3511.6	4173.0	4897.4	5653.2	6708.3	8188.5	9070.4	9999.4
20°	2047.1	2141.6	2346.3	2755.8	3385.6	4173.0	5117.8	6393.3	8298.8	9432.6	10566.3
22.5°	1795.2	1826.7	1921.2	2141.6	2661.3	3495.9	4629.7	6125.6	8503.5	9968.0	11495.4
25°	1622.0	1653.5	1684.9	1826.7	2125.9	2913.2	4204.5	5968.2	8944.4	10755.3	12566.2
27.5°	1511.7	1543.2	1559.0	1622.0	1826.7	2488.1	3842.3	5873.7	9542.8	11904.9	13889.0
30°	1417.2	1417.2	1464.5	1559.0	1700.7	2188.9	3527.4	5653.2	10172.7	12865.4	14928.3
32.5°	1338.5	1354.3	1417.2	1464.5	1559.0	1936.9	3212.4	5369.8	10739.6	13652.8	15951.9
35°	1196.8	1196.8	1212.5	1291.3	1417.2	1732.2	2929.0	5086.3	11054.5	14424.4	16865.2
37.5°	1102.3	1118.0	1149.5	1212.5	1322.8	1590.5	2692.8	4771.4	11385.2	15148.8	17936.0
40°	1039.3	1055.1	1086.6	1149.5	1259.8	1464.5	2488.1	4519.4	11731.6	15936.1	19085.6
42.5°	992.1	1007.8	1039.3	1102.3	1196.8	1433.0	2267.6	4314.7	11936.3	16660.5	20172.1
45°	944.8	960.6	1007.8	1070.8	1149.5	1401.5	2141.6	4173.0	12015.1	17148.7	21038.2
47.5°	897.6	913.3	960.6	1055.1	1149.5	1354.3	2094.4	4094.3	12078.1	17699.8	21731.1
50°	850.3	881.8	944.8	1039.3	1165.3	1291.3	2062.9	4078.5	12440.3	18408.4	22392.5
52.5°	818.9	866.1	929.1	1039.3	1149.5	1196.8	2047.1	4125.8	13164.6	19463.5	23337.3
55°	787.4	834.6	897.6	1039.3	1102.3	1118.0	1968.4	4204.5	14266.9	20928.0	24675.8
57.5°	755.9	787.4	866.1	1007.8	1039.3	1055.1	1810.9	4314.7	15369.2	22361.0	26045.8
60°	708.6	740.1	818.9	1007.8	944.8	992.1	1606.2	4346.2	16156.6	22817.6	26171.8
62.5°	661.4	692.9	771.6	1039.3	866.1	929.1	1433.0	4236.0	16314.1	22156.3	25463.2
65°	614.1	645.6	708.6	866.1	803.1	866.1	1322.8	3936.8	15794.4	20644.5	24171.9
67.5°	566.9	598.4	645.6	708.6	724.4	787.4	1275.5	3464.4	14487.4	18770.6	22408.2
70°	503.9	535.4	582.6	629.9	645.6	740.1	1196.8	3007.7	12377.3	16266.8	20250.9
72.5°	456.7	472.4	519.7	551.2	582.6	677.1	1149.5	2629.8	9464.0	13164.6	16518.8
75°	393.7	393.7	440.9	472.4	503.9	598.4	1055.1	2188.9	6676.8	10046.7	12141.1
77.5°	330.7	330.7	362.2	393.7	425.2	519.7	897.6	1779.4	4629.7	7968.1	8802.7
80°	252.0	252.0	283.4	314.9	346.4	440.9	724.4	1307.0	2866.0	5826.4	6409.1
82.5°	173.2	173.2	220.5	236.2	252.0	346.4	551.2	897.6	1684.9	4204.5	4582.4
85°	94.5	94.5	126.0	141.7	173.2	252.0	409.4	629.9	1007.8	3039.2	3054.9
87.5°	15.7	15.7	47.2	47.2	78.7	126.0	236.2	346.4	566.9	1684.9	1070.8
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: P598630
 CATALOG NUMBER: IFLD-S-SA6E-727-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5	11243.5
2.5°	12298.5	12471.8	12487.5	12487.5	12408.8	12424.5	12204.1	11967.8	11889.1	11873.4
5°	12944.2	13400.8	13526.8	13589.8	13385.1	13070.1	12503.2	11889.1	11574.2	11526.9
7.5°	12818.2	13731.5	14219.7	14282.7	13873.2	13133.1	12141.1	11196.2	10834.0	10739.6
10°	12078.1	13306.4	14188.2	14408.7	13967.7	13022.9	11731.6	10629.3	10188.4	10109.7
12.5°	11558.4	12739.5	13605.5	13904.7	13700.0	12881.2	11526.9	10267.1	9826.2	9716.0
15°	11275.0	12361.5	12928.4	13022.9	13007.2	12660.7	11526.9	10345.9	9857.7	9731.7
17.5°	11511.2	12251.3	12330.0	12109.6	12235.5	12408.8	11778.9	10771.1	10298.6	10188.4
20°	11983.6	12204.1	11826.1	11495.4	11558.4	12109.6	12172.6	11574.2	11196.2	11007.3
22.5°	12975.7	12377.3	11511.2	11054.5	11101.7	11873.4	12692.2	12660.7	12330.0	12235.5
25°	13983.5	12865.4	11416.7	10881.3	10944.3	11826.1	13306.4	13873.2	13700.0	13652.8
27.5°	15101.5	13684.3	11479.7	10802.6	10881.3	11889.1	13731.5	14896.8	14928.3	14881.1
30°	15857.4	14078.0	11668.6	10897.0	11007.3	12046.6	13826.0	15511.0	15794.4	15810.2
32.5°	16487.3	14471.6	12062.3	11054.5	11243.5	12330.0	14078.0	16093.6	16723.5	16739.2
35°	16991.2	14912.6	12550.5	11338.0	11621.4	12802.4	14408.7	16644.8	17589.6	17699.8
37.5°	17636.8	15400.7	13117.4	11952.1	12267.0	13479.6	14991.3	17290.4	18613.1	18912.3
40°	18329.7	15888.9	13936.2	12944.2	13400.8	14487.4	15652.7	18014.8	19479.2	19888.7
42.5°	19101.3	16408.5	14865.3	14282.7	14975.6	15762.9	16408.5	18676.1	20140.6	20613.0
45°	19857.2	17038.4	16219.6	16109.3	16881.0	17274.6	17148.7	19148.5	20770.5	21242.9
47.5°	20392.6	17951.8	17857.3	18518.7	19243.0	19038.3	18014.8	19495.0	21290.2	21809.8
50°	20880.7	19085.6	19920.2	21211.4	21652.3	20959.5	18943.8	19967.4	21841.3	22424.0
52.5°	21605.1	20298.1	22046.0	23652.2	24077.4	22975.1	19951.7	20739.0	22691.7	23211.3
55°	23085.3	21668.1	24266.4	26108.8	26187.5	24817.5	21305.9	22046.0	23888.4	24486.8
57.5°	24738.8	23353.0	26030.1	28140.2	28108.7	26659.9	22833.4	23809.7	25510.4	25919.8
60°	26234.8	25053.7	27951.2	29588.9	29510.2	27998.5	24612.8	25809.6	27368.6	27683.5
62.5°	27116.6	26597.0	28801.6	30045.6	29746.4	28439.4	26124.5	27589.0	28691.3	28801.6
65°	26974.9	27478.8	27809.5	28581.1	28155.9	27211.1	26864.7	28722.8	28833.1	28722.8
67.5°	25904.1	26974.9	25085.2	25164.0	24943.5	24140.4	25715.1	28423.6	27667.8	27400.1
70°	24282.1	24360.9	20975.2	19983.1	20329.6	19227.3	22061.8	26093.0	24927.8	24597.1
72.5°	21589.4	20613.0	15857.4	14849.6	15369.2	14581.9	17699.8	22738.9	21605.1	20534.3
75°	18109.2	16329.8	12078.1	10645.1	10912.8	10881.3	13715.8	18786.4	16739.2	15668.4
77.5°	14030.7	12723.7	8912.9	8361.7	8078.3	8141.3	9574.3	13967.7	12141.1	10802.6
80°	10251.4	8897.1	6897.3	7212.2	7054.7	6676.8	6708.3	9353.8	8440.5	7637.4
82.5°	7086.2	6330.4	5590.2	6314.6	5936.7	5354.0	5228.1	6739.8	6330.4	5842.2
85°	4755.6	5212.3	4440.7	4834.4	4188.7	3858.1	4913.1	5637.5	4550.9	4062.8
87.5°	3102.2	4771.4	3196.7	2425.1	1385.8	1858.2	3007.7	3700.6	2125.9	1149.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)