

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: P598634

Luminaire Tested: **IFLD-M-SA4D-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: P598634
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4D-727-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (64) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

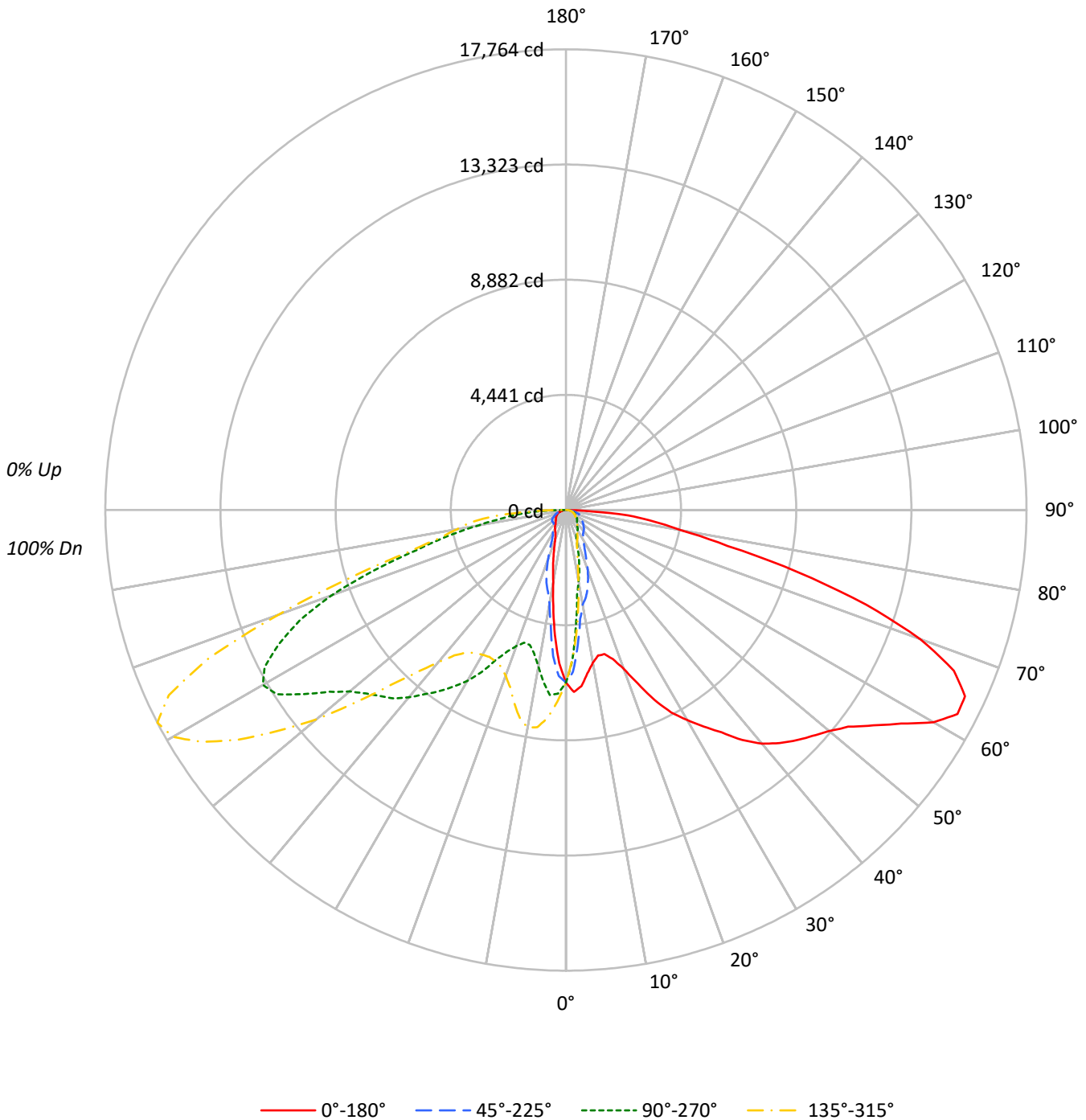
Lumens per Lamp: N/A
 Luminaire Lumens: 22253.5 lumens
 Efficiency: N/A
 Efficacy: 89.1 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 249.7
 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	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	77	
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	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	46	
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	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	30	
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	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	21	
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	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	16	
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	16	16	16	14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	71553	71553	71553	71553
5°	73637	47885	52310	77360
10°	65331	30427	30732	66856
15°	64117	21580	20439	59967
20°	74546	13651	13757	63881
25°	95868	11721	11390	75523
30°	116181	11109	10414	94542
35°	137509	9787	9420	112063
40°	165226	9288	8635	132391
45°	191187	9213	8362	154339
50°	222011	9354	8420	182255
55°	271687	9610	8561	232201
60°	352355	9621	9020	290423
65°	432522	9722	9248	310874
70°	457679	10257	9668	302678
75°	385264	10842	9682	247032
80°	279902	12695	9813	213533
85°	296652	18402	8052	221921

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.5	2.3
10°-20°	1076.7	4.8
20°-30°	1551.6	7.0
30°-40°	2233.7	10.0
40°-50°	3172.9	14.3
50°-60°	4561.7	20.5
60°-70°	5270.2	23.7
70°-80°	2984.1	13.4
80°-90°	888.1	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°	3142.8	14.1
0°-40°	5376.5	24.2
0°-60°	13111.1	58.9
0°-90°	22253.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22253.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6648	6648	6648	6648	6648	
5°	6815	4432	4841	7160	6815	618
15°	5754	1936	1834	5381	5754	1692
25°	8072	987	959	6359	8072	3747
35°	10465	745	717	8528	10465	6641
45°	12560	605	549	10139	12560	9725
55°	14477	512	456	12373	14477	13112
65°	16982	382	363	12206	16982	16284
75°	9264	261	233	5940	9264	9829
85°	2402	149	65	1797	2402	2392
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°	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5
2.5°	7019.9	7010.6	6954.8	6777.9	6591.7	6414.8	6247.2	6070.3	5977.2	5865.5	5818.9
5°	6815.1	6796.5	6638.2	6247.2	5902.7	5530.3	5213.7	4962.4	4757.5	4552.7	4478.2
7.5°	6349.6	6321.7	6135.5	5595.5	5092.7	4608.6	4226.9	3901.0	3631.0	3510.0	3370.3
10°	5977.2	5930.6	5688.6	5092.7	4441.0	3956.9	3705.5	3482.0	3249.3	3053.8	2848.9
12.5°	5744.4	5688.6	5437.2	4738.9	4105.8	3742.7	3482.0	3230.7	2942.0	2700.0	2476.5
15°	5753.7	5688.6	5381.3	4645.8	4022.0	3556.5	3193.4	2848.9	2513.8	2243.8	1992.4
17.5°	6023.7	5939.9	5614.1	4776.2	3956.9	3314.4	2830.3	2383.4	2001.7	1713.1	1508.3
20°	6507.9	6452.0	6079.6	4971.7	3891.7	3053.8	2457.9	1917.9	1517.6	1294.1	1210.3
22.5°	7234.1	7168.9	6768.6	5269.6	3873.1	2821.0	2057.6	1508.3	1219.6	1126.5	1080.0
25°	8072.0	7951.0	7578.5	5772.4	3910.3	2606.9	1731.7	1247.6	1089.3	1024.1	996.2
27.5°	8798.2	8723.7	8304.7	6247.2	3928.9	2439.3	1508.3	1135.9	1014.8	959.0	940.3
30°	9347.5	9319.6	8909.9	6768.6	3882.4	2234.5	1368.6	1089.3	1014.8	959.0	903.1
32.5°	9896.8	9906.1	9468.5	7168.9	3817.2	2057.6	1238.3	968.3	893.8	856.5	865.9
35°	10464.7	10511.3	10138.9	7559.9	3677.5	1992.4	1145.2	903.1	837.9	782.1	754.1
37.5°	11181.6	11302.6	10939.5	7997.5	3537.9	1936.5	1098.6	856.5	791.4	744.8	707.6
40°	11758.8	11982.3	11768.2	8407.2	3444.8	1871.4	1061.4	810.0	763.4	707.6	679.6
42.5°	12187.1	12447.8	12373.3	8723.7	3444.8	1806.2	1024.1	782.1	744.8	679.6	642.4
45°	12559.5	12829.5	12820.2	9049.6	3519.3	1768.9	977.6	782.1	726.2	661.0	623.8
47.5°	12894.7	13164.7	13257.8	9459.2	3640.3	1750.3	921.7	763.4	726.2	651.7	595.9
50°	13257.8	13555.7	13835.0	10110.9	3789.3	1703.8	884.5	735.5	735.5	642.4	577.2
52.5°	13723.3	14058.5	14570.5	10920.9	3938.2	1620.0	828.6	716.9	735.5	633.1	558.6
55°	14477.4	14756.7	15427.1	11889.2	4124.4	1517.6	782.1	670.3	698.3	605.2	530.7
57.5°	15324.7	15566.7	16125.4	12634.0	4180.3	1387.2	716.9	623.8	670.3	577.2	493.4
60°	16367.4	16488.5	16488.5	12848.1	3994.1	1266.2	670.3	586.5	605.2	549.3	465.5
62.5°	17028.4	17028.4	16488.5	12457.1	3640.3	1163.8	633.1	549.3	530.7	512.1	437.6
65°	16981.9	16907.4	16106.7	11321.3	3230.7	1098.6	595.9	502.8	474.8	465.5	409.7
67.5°	16199.8	16069.5	14980.2	9719.9	2802.4	1070.7	558.6	456.2	437.6	419.0	372.4
70°	14542.6	14207.4	12866.8	7820.6	2383.4	1052.1	549.3	419.0	400.3	381.7	344.5
72.5°	12140.6	11712.3	10045.8	6014.4	2001.7	986.9	521.4	372.4	363.1	344.5	307.2
75°	9263.7	8472.3	7010.6	4599.3	1554.8	856.5	446.9	325.9	325.9	316.5	279.3
77.5°	6386.8	5977.2	4887.9	3398.2	1135.9	661.0	363.1	288.6	288.6	297.9	260.7
80°	4515.5	4133.8	3482.0	2439.3	716.9	446.9	279.3	242.1	270.0	288.6	242.1
82.5°	3454.1	3174.8	2588.2	1778.3	419.0	307.2	214.1	195.5	232.8	251.4	204.8
85°	2402.0	2066.9	1312.7	1191.7	242.1	186.2	158.3	158.3	204.8	251.4	186.2
87.5°	679.6	288.6	83.8	353.8	102.4	74.5	55.9	37.2	55.9	55.9	37.2
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°	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5
2.5°	5772.4	5716.5	5716.5	5697.9	5707.2	5716.5	5707.2	5772.4	5800.3	5837.5	5912.0
5°	4431.7	4506.2	4450.3	4506.2	4580.6	4692.4	4720.3	4804.1	4813.4	4878.6	4841.3
7.5°	3286.5	3277.2	3230.7	3295.8	3500.7	3658.9	3733.4	3780.0	3789.3	3789.3	3742.7
10°	2783.8	2700.0	2616.2	2569.6	2588.2	2755.8	2811.7	2839.6	2821.0	2848.9	2811.7
12.5°	2383.4	2308.9	2187.9	2104.1	2048.3	2094.8	2150.7	2178.6	2197.2	2243.8	2281.0
15°	1936.5	1862.1	1787.6	1741.0	1694.5	1657.2	1703.8	1731.7	1778.3	1815.5	1834.1
17.5°	1471.0	1433.8	1396.5	1424.5	1424.5	1405.8	1424.5	1433.8	1452.4	1480.3	1471.0
20°	1191.7	1182.4	1173.1	1219.6	1256.9	1256.9	1275.5	1247.6	1238.3	1210.3	1201.0
22.5°	1061.4	1061.4	1070.7	1107.9	1145.2	1163.8	1163.8	1117.2	1070.7	1052.1	1061.4
25°	986.9	986.9	1014.8	1024.1	1042.7	1042.7	1052.1	1005.5	977.6	949.6	959.0
27.5°	931.0	931.0	940.3	940.3	949.6	949.6	959.0	940.3	903.1	893.8	893.8
30°	893.8	893.8	884.5	884.5	884.5	884.5	893.8	865.9	847.2	837.9	837.9
32.5°	856.5	847.2	837.9	837.9	828.6	828.6	837.9	810.0	800.7	800.7	800.7
35°	744.8	735.5	744.8	763.4	763.4	772.8	772.8	763.4	744.8	726.2	716.9
37.5°	698.3	689.0	689.0	689.0	707.6	716.9	726.2	707.6	679.6	651.7	651.7
40°	661.0	661.0	651.7	651.7	651.7	670.3	689.0	661.0	623.8	614.5	614.5
42.5°	633.1	623.8	614.5	605.2	595.9	623.8	642.4	605.2	586.5	586.5	586.5
45°	605.2	595.9	586.5	577.2	567.9	577.2	595.9	558.6	549.3	549.3	549.3
47.5°	577.2	567.9	549.3	540.0	530.7	530.7	549.3	521.4	512.1	521.4	521.4
50°	558.6	540.0	521.4	512.1	502.8	502.8	502.8	493.4	493.4	493.4	502.8
52.5°	540.0	521.4	493.4	484.1	474.8	474.8	474.8	474.8	465.5	474.8	484.1
55°	512.1	493.4	474.8	465.5	456.2	446.9	456.2	446.9	446.9	456.2	456.2
57.5°	474.8	456.2	437.6	437.6	428.3	428.3	437.6	428.3	428.3	437.6	437.6
60°	446.9	428.3	409.7	409.7	400.3	409.7	419.0	409.7	409.7	409.7	419.0
62.5°	409.7	400.3	381.7	381.7	381.7	381.7	391.0	381.7	391.0	391.0	391.0
65°	381.7	363.1	353.8	353.8	353.8	353.8	372.4	353.8	363.1	363.1	363.1
67.5°	353.8	335.2	325.9	325.9	325.9	325.9	344.5	325.9	335.2	344.5	335.2
70°	325.9	307.2	297.9	297.9	297.9	297.9	307.2	297.9	297.9	307.2	307.2
72.5°	288.6	279.3	270.0	270.0	260.7	270.0	279.3	270.0	270.0	270.0	270.0
75°	260.7	251.4	251.4	242.1	242.1	242.1	251.4	232.8	232.8	232.8	232.8
77.5°	242.1	223.4	223.4	223.4	214.1	223.4	214.1	195.5	195.5	195.5	195.5
80°	204.8	186.2	195.5	195.5	186.2	186.2	176.9	158.3	158.3	158.3	158.3
82.5°	167.6	149.0	158.3	158.3	158.3	158.3	139.7	130.3	121.0	111.7	111.7
85°	149.0	121.0	139.7	139.7	130.3	130.3	93.1	93.1	74.5	74.5	65.2
87.5°	27.9	18.6	37.2	46.6	46.6	55.9	37.2	46.6	27.9	18.6	18.6
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°	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5
2.5°	5902.7	6005.1	6144.8	6247.2	6405.5	6526.5	6712.7	6871.0	7019.9	7085.1	7150.3
5°	4953.1	5018.2	5232.4	5399.9	5651.3	5921.3	6256.5	6619.6	6992.0	7159.6	7355.1
7.5°	3705.5	3826.5	3947.5	4189.6	4496.9	4934.4	5362.7	5902.7	6424.1	6675.5	7010.6
10°	2876.9	2970.0	3109.6	3361.0	3649.6	4012.7	4524.8	5167.2	5791.0	6116.8	6461.3
12.5°	2308.9	2439.3	2625.5	2886.2	3221.3	3593.8	3966.2	4562.0	5288.2	5660.6	6051.7
15°	1871.4	1973.8	2178.6	2504.5	2895.5	3277.2	3668.2	4161.7	4953.1	5381.3	5846.8
17.5°	1489.6	1564.1	1750.3	2076.2	2467.2	2895.5	3342.4	3966.2	4841.3	5362.7	5912.0
20°	1210.3	1266.2	1387.2	1629.3	2001.7	2467.2	3025.8	3780.0	4906.5	5576.8	6247.2
22.5°	1061.4	1080.0	1135.9	1266.2	1573.4	2066.9	2737.2	3621.7	5027.5	5893.4	6796.5
25°	959.0	977.6	996.2	1080.0	1256.9	1722.4	2485.8	3528.6	5288.2	6358.9	7429.6
27.5°	893.8	912.4	921.7	959.0	1080.0	1471.0	2271.7	3472.7	5642.0	7038.6	8211.6
30°	837.9	837.9	865.9	921.7	1005.5	1294.1	2085.5	3342.4	6014.4	7606.5	8826.1
32.5°	791.4	800.7	837.9	865.9	921.7	1145.2	1899.3	3174.8	6349.6	8072.0	9431.3
35°	707.6	707.6	716.9	763.4	837.9	1024.1	1731.7	3007.2	6535.8	8528.2	9971.3
37.5°	651.7	661.0	679.6	716.9	782.1	940.3	1592.1	2821.0	6731.3	8956.5	10604.4
40°	614.5	623.8	642.4	679.6	744.8	865.9	1471.0	2672.0	6936.1	9422.0	11284.0
42.5°	586.5	595.9	614.5	651.7	707.6	847.2	1340.7	2551.0	7057.2	9850.2	11926.4
45°	558.6	567.9	595.9	633.1	679.6	828.6	1266.2	2467.2	7103.7	10138.9	12438.5
47.5°	530.7	540.0	567.9	623.8	679.6	800.7	1238.3	2420.7	7141.0	10464.7	12848.1
50°	502.8	521.4	558.6	614.5	689.0	763.4	1219.6	2411.4	7355.1	10883.7	13239.2
52.5°	484.1	512.1	549.3	614.5	679.6	707.6	1210.3	2439.3	7783.4	11507.5	13797.8
55°	465.5	493.4	530.7	614.5	651.7	661.0	1163.8	2485.8	8435.1	12373.3	14589.2
57.5°	446.9	465.5	512.1	595.9	614.5	623.8	1070.7	2551.0	9086.8	13220.6	15399.2
60°	419.0	437.6	484.1	595.9	558.6	586.5	949.6	2569.6	9552.3	13490.6	15473.6
62.5°	391.0	409.7	456.2	614.5	512.1	549.3	847.2	2504.5	9645.4	13099.5	15054.7
65°	363.1	381.7	419.0	512.1	474.8	512.1	782.1	2327.6	9338.2	12205.7	14291.2
67.5°	335.2	353.8	381.7	419.0	428.3	465.5	754.1	2048.3	8565.4	11097.8	13248.5
70°	297.9	316.5	344.5	372.4	381.7	437.6	707.6	1778.3	7317.9	9617.5	11973.0
72.5°	270.0	279.3	307.2	325.9	344.5	400.3	679.6	1554.8	5595.5	7783.4	9766.5
75°	232.8	232.8	260.7	279.3	297.9	353.8	623.8	1294.1	3947.5	5939.9	7178.2
77.5°	195.5	195.5	214.1	232.8	251.4	307.2	530.7	1052.1	2737.2	4711.0	5204.4
80°	149.0	149.0	167.6	186.2	204.8	260.7	428.3	772.8	1694.5	3444.8	3789.3
82.5°	102.4	102.4	130.3	139.7	149.0	204.8	325.9	530.7	996.2	2485.8	2709.3
85°	55.9	55.9	74.5	83.8	102.4	149.0	242.1	372.4	595.9	1796.9	1806.2
87.5°	9.3	9.3	27.9	27.9	46.6	74.5	139.7	204.8	335.2	996.2	633.1
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: P598634
 CATALOG NUMBER: IFLD-M-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5	6647.5
2.5°	7271.3	7373.7	7383.0	7383.0	7336.5	7345.8	7215.4	7075.8	7029.2	7019.9
5°	7653.0	7923.0	7997.5	8034.7	7913.7	7727.5	7392.3	7029.2	6843.0	6815.1
7.5°	7578.5	8118.5	8407.2	8444.4	8202.3	7764.7	7178.2	6619.6	6405.5	6349.6
10°	7141.0	7867.2	8388.5	8518.9	8258.2	7699.6	6936.1	6284.4	6023.7	5977.2
12.5°	6833.7	7532.0	8044.1	8221.0	8099.9	7615.8	6815.1	6070.3	5809.6	5744.4
15°	6666.1	7308.5	7643.7	7699.6	7690.3	7485.4	6815.1	6116.8	5828.2	5753.7
17.5°	6805.8	7243.4	7289.9	7159.6	7234.1	7336.5	6964.1	6368.2	6088.9	6023.7
20°	7085.1	7215.4	6992.0	6796.5	6833.7	7159.6	7196.8	6843.0	6619.6	6507.9
22.5°	7671.6	7317.9	6805.8	6535.8	6563.7	7019.9	7504.1	7485.4	7289.9	7234.1
25°	8267.5	7606.5	6749.9	6433.4	6470.6	6992.0	7867.2	8202.3	8099.9	8072.0
27.5°	8928.5	8090.6	6787.2	6386.8	6433.4	7029.2	8118.5	8807.5	8826.1	8798.2
30°	9375.4	8323.4	6898.9	6442.7	6507.9	7122.3	8174.4	9170.6	9338.2	9347.5
32.5°	9747.8	8556.1	7131.7	6535.8	6647.5	7289.9	8323.4	9515.1	9887.5	9896.8
35°	10045.8	8816.8	7420.3	6703.4	6871.0	7569.2	8518.9	9840.9	10399.6	10464.7
37.5°	10427.5	9105.4	7755.4	7066.5	7252.7	7969.6	8863.4	10222.7	11004.7	11181.6
40°	10837.1	9394.0	8239.6	7653.0	7923.0	8565.4	9254.4	10650.9	11516.8	11758.8
42.5°	11293.3	9701.3	8788.9	8444.4	8854.0	9319.6	9701.3	11042.0	11907.8	12187.1
45°	11740.2	10073.7	9589.6	9524.4	9980.6	10213.3	10138.9	11321.3	12280.2	12559.5
47.5°	12056.8	10613.7	10557.8	10948.9	11377.1	11256.1	10650.9	11526.1	12587.5	12894.7
50°	12345.4	11284.0	11777.5	12540.9	12801.6	12391.9	11200.2	11805.4	12913.3	13257.8
52.5°	12773.7	12000.9	13034.4	13984.0	14235.4	13583.7	11796.1	12261.6	13416.1	13723.3
55°	13648.8	12810.9	14347.1	15436.4	15482.9	14673.0	12596.8	13034.4	14123.7	14477.4
57.5°	14626.4	13807.1	15389.8	16637.4	16618.8	15762.3	13499.9	14077.1	15082.6	15324.7
60°	15510.9	14812.6	16525.7	17494.0	17447.4	16553.6	14551.9	15259.5	16181.2	16367.4
62.5°	16032.3	15725.0	17028.4	17764.0	17587.1	16814.3	15445.7	16311.6	16963.3	17028.4
65°	15948.5	16246.4	16441.9	16898.1	16646.7	16088.1	15883.3	16981.9	17047.1	16981.9
67.5°	15315.4	15948.5	14831.2	14877.8	14747.4	14272.6	15203.6	16805.0	16358.1	16199.8
70°	14356.4	14403.0	12401.3	11814.7	12019.5	11367.8	13043.7	15427.1	14738.1	14542.6
72.5°	12764.4	12187.1	9375.4	8779.6	9086.8	8621.3	10464.7	13444.0	12773.7	12140.6
75°	10706.8	9654.7	7141.0	6293.7	6452.0	6433.4	8109.2	11107.1	9896.8	9263.7
77.5°	8295.4	7522.7	5269.6	4943.7	4776.2	4813.4	5660.6	8258.2	7178.2	6386.8
80°	6061.0	5260.3	4077.9	4264.1	4171.0	3947.5	3966.2	5530.3	4990.3	4515.5
82.5°	4189.6	3742.7	3305.1	3733.4	3510.0	3165.5	3091.0	3984.8	3742.7	3454.1
85°	2811.7	3081.7	2625.5	2858.2	2476.5	2281.0	2904.8	3333.1	2690.7	2402.0
87.5°	1834.1	2821.0	1890.0	1433.8	819.3	1098.6	1778.3	2187.9	1256.9	679.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)