

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: P598905

Luminaire Tested: **IFLD-L-SA8D-727-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598905
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8D-727-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (128) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

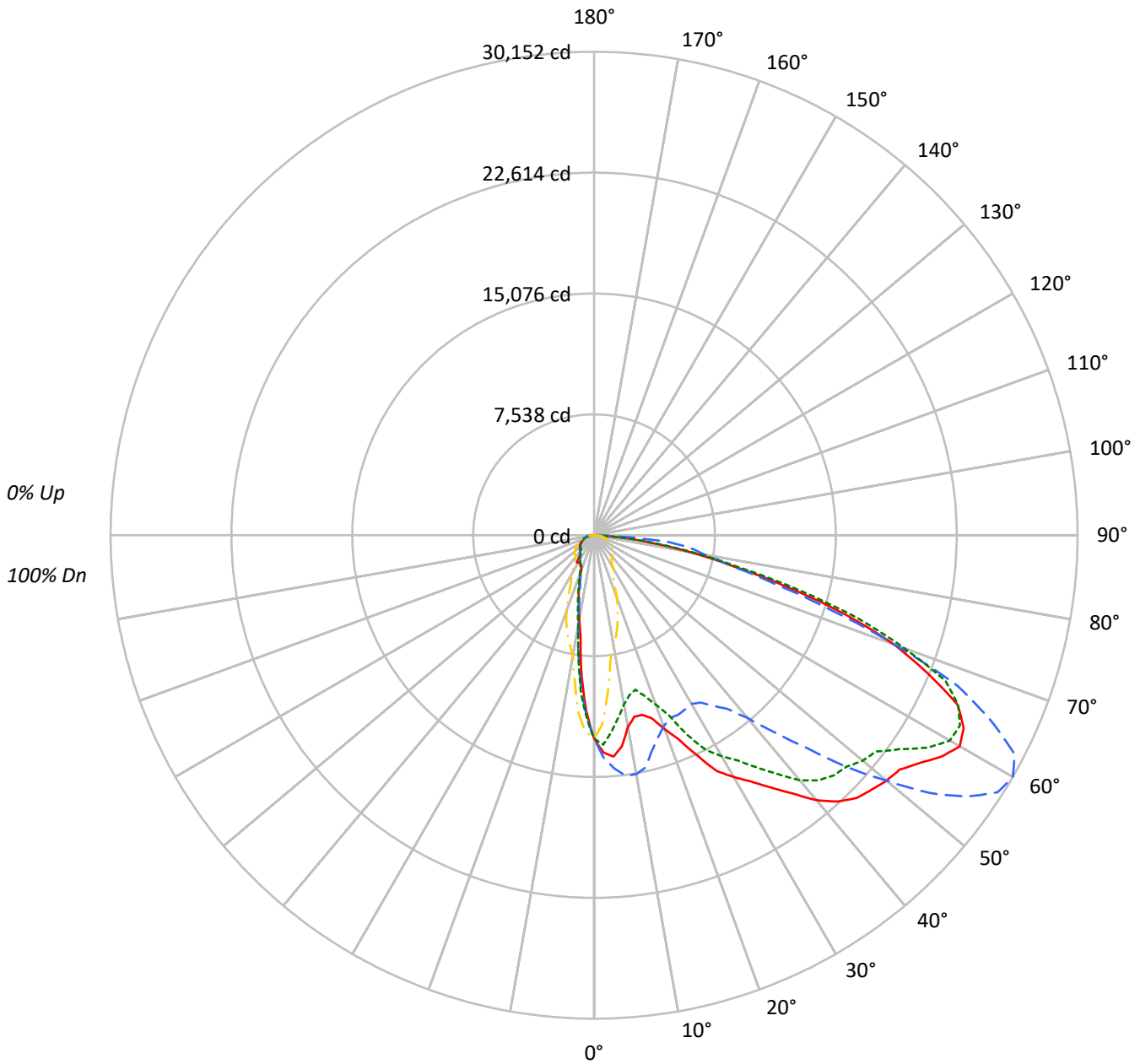
Lumens per Lamp: N/A
 Luminaire Lumens: 39656.6 lumens
 Efficiency: N/A
 Efficacy: 81.2 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 488.3
 Input Voltage (V): 120
 Input Current (A_{in}): 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	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77				
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60				
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47				
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38				
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31				
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26				
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22				
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19				
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17				
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	68168	68168	68168	68168
5°	74892	66528	47710	52082
10°	66336	58549	28938	31053
15°	64594	55577	20486	21270
20°	73652	64282	13400	14811
25°	89737	81483	11700	12118
30°	108123	98830	12135	11261
35°	126099	116043	10056	9477
40°	151526	140155	9393	8899
45°	176340	161077	9506	8837
50°	199288	183086	9722	9132
55°	232414	218218	10069	9574
60°	283467	275704	10036	10036
65°	318569	319016	10305	10753
70°	313084	324157	10796	11073
75°	258261	275454	11339	12071
80°	186469	195739	12540	13085
85°	103198	110806	14122	17383

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	984.0	2.5
10°-20°	2077.5	5.2
20°-30°	3039.6	7.7
30°-40°	4282.7	10.8
40°-50°	5885.7	14.8
50°-60°	8021.5	20.2
60°-70°	8779.2	22.1
70°-80°	5068.6	12.8
80°-90°	1517.8	3.8
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°	6101.2	15.4
0°-40°	10383.9	26.2
0°-60°	24291.1	61.3
0°-90°	39656.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	39656.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12666	12666	12666	12666	12666	
5°	13862	12314	8831	9640	13862	1259
15°	11593	9975	3677	3817	11593	3387
25°	15111	13722	1970	2041	15111	7076
35°	19193	17662	1530	1442	19193	12170
45°	23168	21163	1249	1161	23168	17807
55°	24769	23256	1073	1020	24769	22349
65°	25016	25051	809	844	25016	23943
75°	12420	13247	545	580	12420	13341
85°	1671	1794	229	282	1671	2319
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°	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1
2.5°	13563.3	13510.5	13563.3	13756.8	13809.6	13897.5	13897.5	13774.4	13545.7	13440.1	13264.2
5°	13862.4	13774.4	14214.2	14618.8	14935.5	14900.3	14601.2	14354.9	13897.5	13211.5	12560.6
7.5°	13264.2	13352.2	13668.8	14724.4	15463.2	15603.9	15129.0	14636.4	13651.2	12701.3	11821.7
10°	12138.4	12261.5	12947.6	14038.3	15199.3	15428.0	15129.0	14530.8	13352.2	12173.5	11153.2
12.5°	11593.0	11874.5	12279.1	13598.5	14425.3	14970.6	14829.9	14442.9	13123.5	11733.7	10748.6
15°	11593.0	11663.4	12261.5	13369.8	13844.8	13862.4	13915.1	13985.5	13193.9	11927.3	10607.9
17.5°	11962.4	12155.9	12666.1	13352.2	13440.1	13229.0	13229.0	13528.1	13334.6	12472.6	11118.0
20°	12859.6	12789.3	13457.7	13739.2	13264.2	12736.5	12683.7	13193.9	13492.9	13053.1	12050.4
22.5°	13756.8	14073.5	14618.8	13985.5	13105.9	12402.2	12331.9	12965.2	13967.9	14055.9	13123.5
25°	15111.4	15428.0	15709.5	14935.5	13088.3	12314.3	12367.0	12859.6	14548.4	15480.8	14917.9
27.5°	16571.5	16765.0	17169.6	15973.4	13510.5	12208.7	12261.5	13000.4	15093.8	16413.2	16325.2
30°	17398.3	17609.4	17521.4	16166.9	13792.0	12279.1	12138.4	13193.9	14794.7	16413.2	17240.0
32.5°	18207.5	18084.4	18031.6	16483.5	14143.8	12718.9	12367.0	13598.5	14970.6	16677.0	18418.6
35°	19192.7	19016.8	18876.0	17099.2	14724.4	13141.1	12982.8	14126.2	15357.7	17222.4	19368.6
37.5°	20283.4	20283.4	19597.3	17556.6	15410.4	13827.2	13651.2	14882.7	15973.4	17556.6	20670.4
40°	21567.6	21620.3	20406.5	18172.3	16184.5	14917.9	14865.1	15867.8	16571.5	18049.2	21919.4
42.5°	22517.5	22552.7	21110.2	18401.0	17081.7	16430.8	16659.4	17451.1	17257.6	18489.0	22007.4
45°	23168.4	22992.5	21602.8	19051.9	18066.8	18700.1	18770.5	18999.2	18154.8	18752.9	22359.2
47.5°	23485.1	23449.9	21813.9	19808.4	20142.6	21004.6	21409.2	21092.6	18981.6	18471.4	22359.2
50°	23801.7	23502.7	22007.4	20846.3	22165.7	23907.3	23819.3	23238.8	20125.0	18823.2	22025.0
52.5°	24012.8	23749.0	22394.4	21778.7	24100.8	26071.1	26422.9	25349.8	21462.0	19474.1	22183.3
55°	24769.3	24558.2	23555.4	23045.3	26334.9	28358.0	28410.8	26915.5	22869.4	20547.2	23221.2
57.5°	25684.1	25807.2	25156.3	24839.6	28041.4	30029.2	29835.7	28076.5	24065.6	21849.0	24417.4
60°	26334.9	26528.5	26370.1	26405.3	28885.8	30592.2	30152.4	28797.8	24945.2	22834.2	25877.6
62.5°	25983.1	26370.1	27021.0	26880.3	28920.9	30187.6	29571.8	27847.8	25050.7	24118.4	26985.8
65°	25015.6	25050.7	26317.4	27091.4	27337.7	28094.1	27284.9	25860.0	23960.1	24910.0	26827.5
67.5°	22535.1	22816.6	23960.1	25472.9	24435.0	24611.0	24540.6	22482.3	22306.4	24364.7	25613.7
70°	19896.3	20089.9	21338.9	23115.6	20635.2	19808.4	19966.7	18436.2	19157.5	22675.9	23168.4
72.5°	16448.3	16571.5	17996.4	19562.1	16553.9	15076.2	15445.6	14196.6	15216.9	19843.6	19544.5
75°	12419.8	12648.5	13756.8	15603.9	12191.1	11241.2	11610.6	11100.4	12050.4	16342.8	15164.1
77.5°	8831.1	8655.2	10027.3	12208.7	9165.3	8602.4	8637.6	8725.5	9745.9	13774.4	10889.3
80°	6016.4	6069.2	7300.6	8954.2	7195.1	7107.1	7019.1	7722.8	8180.2	10906.9	7916.3
82.5°	3571.1	3571.1	4925.7	6368.2	5682.2	6403.4	5998.8	6632.1	6403.4	8021.9	5189.6
85°	1671.2	1671.2	2533.2	4591.5	4398.0	5277.5	4485.9	5013.7	4732.2	5594.2	2339.7
87.5°	281.5	246.3	510.2	2251.8	1812.0	2058.2	809.2	2674.0	2973.0	3905.4	580.5
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°	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1
2.5°	13070.7	12947.6	12701.3	12384.6	12120.8	11786.5	11681.0	11452.3	11135.6	11100.4	10959.7
5°	12314.3	11892.1	11364.3	10713.4	10273.6	9816.2	9429.2	9200.5	8936.6	8901.5	8831.1
7.5°	11487.5	10959.7	10080.1	9306.1	8549.6	7828.4	7476.5	7036.7	6737.7	6509.0	6403.4
10°	10713.4	10220.8	9130.2	8074.6	7406.2	6931.2	6509.0	6051.6	5682.2	5400.7	5295.1
12.5°	10203.3	9622.7	8444.1	7441.3	6948.8	6403.4	5928.4	5435.9	4960.9	4591.5	4398.0
15°	9974.6	9429.2	8233.0	7124.7	6403.4	5647.0	5101.6	4609.1	4028.5	3764.6	3676.7
17.5°	10519.9	9710.7	8162.6	6755.3	5734.9	4872.9	4204.4	3676.7	3254.5	2990.6	2885.1
20°	11223.6	10220.8	8285.7	6315.5	5101.6	4134.1	3395.2	2832.3	2550.8	2357.3	2339.7
22.5°	12120.8	10977.3	8479.3	5998.8	4398.0	3324.9	2656.4	2322.1	2128.6	2111.0	2075.8
25°	13721.6	12349.5	8795.9	5576.6	3835.0	2744.3	2269.3	2075.8	1987.9	1935.1	1970.3
27.5°	15093.8	13246.6	9024.6	5312.7	3606.3	2586.0	2199.0	1987.9	1899.9	1882.3	1899.9
30°	15903.0	14073.5	8954.2	4820.2	3148.9	2462.9	2339.7	2269.3	2093.4	1952.7	1952.7
32.5°	16641.9	14601.2	8936.6	4380.4	2691.5	2058.2	1952.7	1899.9	2005.5	2075.8	2023.1
35°	17662.2	15428.0	8883.9	4134.1	2498.0	1899.9	1724.0	1583.3	1512.9	1477.7	1530.5
37.5°	18752.9	15991.0	8743.1	4098.9	2392.5	1812.0	1671.2	1530.5	1460.1	1424.9	1407.3
40°	19949.1	16589.1	8584.8	3923.0	2339.7	1759.2	1618.4	1495.3	1407.3	1354.6	1337.0
42.5°	20723.2	17064.1	8426.5	3835.0	2234.2	1724.0	1565.7	1460.1	1372.2	1301.8	1301.8
45°	21163.0	17627.0	8268.2	3747.1	2111.0	1741.6	1565.7	1424.9	1319.4	1284.2	1249.0
47.5°	21356.5	18049.2	8215.4	3606.3	2005.5	1671.2	1530.5	1389.8	1284.2	1213.8	1196.2
50°	21866.6	18946.4	8408.9	3500.8	1882.3	1600.9	1618.4	1372.2	1266.6	1178.7	1161.1
52.5°	22165.7	19667.7	8831.1	3342.4	1794.4	1512.9	1583.3	1337.0	1213.8	1125.9	1125.9
55°	23256.4	20863.9	9288.5	3219.3	1688.8	1389.8	1460.1	1266.6	1125.9	1073.1	1073.1
57.5°	24646.1	22130.5	9675.5	3166.5	1618.4	1301.8	1301.8	1231.4	1073.1	1002.7	985.1
60°	25613.7	23168.4	9904.2	3131.3	1548.1	1213.8	1161.1	1231.4	1020.3	950.0	932.4
62.5°	25719.2	22570.3	9675.5	3113.8	1530.5	1125.9	1055.5	1178.7	967.5	897.2	862.0
65°	25050.7	21356.5	9042.2	3043.4	1512.9	1037.9	985.1	1020.3	897.2	844.4	809.2
67.5°	23713.8	19386.2	8127.4	3008.2	1495.3	967.5	897.2	879.6	826.8	774.0	738.9
70°	20600.0	16817.8	7054.3	2849.9	1460.1	914.8	809.2	791.6	738.9	703.7	686.1
72.5°	17292.8	13756.8	5822.9	2638.8	1389.8	826.8	738.9	703.7	686.1	633.3	615.7
75°	13246.6	10590.3	4661.8	2339.7	1213.8	738.9	650.9	615.7	598.1	562.9	545.3
77.5°	9306.1	7881.1	3448.0	1899.9	1020.3	668.5	580.5	545.3	527.8	475.0	475.0
80°	6315.5	5523.8	2339.7	1319.4	791.6	545.3	510.2	475.0	439.8	404.6	404.6
82.5°	3923.0	3870.2	1688.8	862.0	580.5	439.8	404.6	404.6	351.8	316.7	316.7
85°	1794.4	2374.9	1178.7	598.1	439.8	334.2	334.2	316.7	281.5	228.7	228.7
87.5°	562.9	791.6	615.7	263.9	246.3	193.5	193.5	175.9	175.9	140.7	140.7
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°	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1
2.5°	11100.4	11082.8	11082.8	11012.5	11188.4	11188.4	11293.9	11206.0	11258.8	11276.4	11417.1
5°	8813.5	8954.2	9059.8	9270.9	9394.0	9446.8	9446.8	9587.5	9534.8	9640.3	9851.4
7.5°	6456.2	6632.1	6948.8	7212.6	7423.7	7494.1	7476.5	7511.7	7564.5	7441.3	7476.5
10°	5224.8	5101.6	5207.2	5453.5	5647.0	5875.7	5699.7	5682.2	5734.9	5682.2	5787.7
12.5°	4362.8	4222.0	4134.1	4134.1	4274.8	4380.4	4327.6	4415.5	4609.1	4661.8	4785.0
15°	3536.0	3412.8	3342.4	3254.5	3395.2	3430.4	3483.2	3606.3	3747.1	3817.4	3958.2
17.5°	2832.3	2832.3	2832.3	2761.9	2814.7	2867.5	2885.1	3043.4	3061.0	3131.3	3184.1
20°	2322.1	2374.9	2462.9	2498.0	2550.8	2550.8	2515.6	2603.6	2533.2	2586.0	2621.2
22.5°	2093.4	2163.8	2199.0	2216.6	2286.9	2304.5	2216.6	2234.2	2251.8	2199.0	2216.6
25°	1970.3	2005.5	1970.3	1987.9	2005.5	1970.3	1987.9	2023.1	2005.5	2040.7	2023.1
27.5°	1917.5	1882.3	1864.7	1847.1	1847.1	1812.0	1829.5	1829.5	1864.7	1882.3	1882.3
30°	1917.5	1864.7	1794.4	1741.6	1741.6	1688.8	1724.0	1759.2	1776.8	1812.0	1812.0
32.5°	1970.3	1864.7	1741.6	1688.8	1636.0	1600.9	1636.0	1688.8	1759.2	1776.8	1794.4
35°	1565.7	1618.4	1600.9	1530.5	1512.9	1512.9	1495.3	1495.3	1442.5	1442.5	1424.9
37.5°	1407.3	1389.8	1424.9	1442.5	1460.1	1407.3	1407.3	1337.0	1319.4	1337.0	1337.0
40°	1319.4	1319.4	1319.4	1372.2	1389.8	1354.6	1301.8	1266.6	1266.6	1266.6	1284.2
42.5°	1284.2	1249.0	1231.4	1266.6	1319.4	1284.2	1231.4	1213.8	1213.8	1231.4	1231.4
45°	1231.4	1213.8	1196.2	1178.7	1249.0	1196.2	1178.7	1161.1	1161.1	1161.1	1178.7
47.5°	1178.7	1161.1	1125.9	1125.9	1143.5	1125.9	1108.3	1108.3	1108.3	1143.5	1143.5
50°	1143.5	1125.9	1090.7	1090.7	1090.7	1090.7	1073.1	1073.1	1073.1	1090.7	1108.3
52.5°	1090.7	1073.1	1055.5	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1055.5	1073.1
55°	1037.9	1020.3	1002.7	1002.7	1020.3	1020.3	1002.7	1020.3	1002.7	1020.3	1037.9
57.5°	985.1	967.5	950.0	967.5	985.1	967.5	967.5	967.5	967.5	967.5	985.1
60°	914.8	914.8	914.8	914.8	950.0	950.0	950.0	950.0	914.8	932.4	950.0
62.5°	879.6	862.0	862.0	879.6	897.2	897.2	914.8	897.2	879.6	897.2	897.2
65°	809.2	809.2	809.2	826.8	826.8	844.4	844.4	844.4	826.8	844.4	844.4
67.5°	756.4	756.4	756.4	756.4	791.6	791.6	791.6	791.6	774.0	774.0	791.6
70°	668.5	686.1	668.5	703.7	738.9	721.3	738.9	738.9	721.3	703.7	738.9
72.5°	615.7	615.7	615.7	615.7	668.5	668.5	668.5	686.1	668.5	650.9	668.5
75°	545.3	545.3	545.3	562.9	598.1	598.1	598.1	598.1	598.1	580.5	580.5
77.5°	475.0	492.6	475.0	492.6	527.8	510.2	527.8	545.3	527.8	510.2	510.2
80°	404.6	404.6	404.6	422.2	439.8	439.8	439.8	457.4	439.8	422.2	422.2
82.5°	316.7	316.7	334.2	334.2	351.8	351.8	351.8	369.4	351.8	334.2	334.2
85°	246.3	246.3	246.3	263.9	263.9	281.5	281.5	299.1	299.1	281.5	281.5
87.5°	158.3	140.7	158.3	158.3	175.9	175.9	158.3	140.7	158.3	140.7	123.1
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: P598905
 CATALOG NUMBER: IFLD-L-SA8D-727-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1	12666.1
2.5°	11557.8	11874.5	12103.2	12261.5	12490.2	12930.0	13105.9	13422.6	13510.5	13563.3
5°	9939.4	10273.6	10766.2	11118.0	11522.6	12349.5	12982.8	13457.7	13668.8	13862.4
7.5°	7793.2	8233.0	8743.1	9200.5	9869.0	10889.3	11716.1	12701.3	13070.7	13264.2
10°	6086.8	6491.4	7054.3	7617.3	8549.6	9411.6	10590.3	11487.5	11997.6	12138.4
12.5°	5136.8	5611.8	6280.3	6966.4	7546.9	8532.0	9728.3	11030.1	11505.0	11593.0
15°	4362.8	5013.7	5699.7	6403.4	7071.9	7933.9	9218.1	10801.4	11505.0	11593.0
17.5°	3606.3	4186.9	4996.1	5752.5	6526.6	7705.2	9306.1	10994.9	11698.6	11962.4
20°	2867.5	3430.4	4063.7	5013.7	6069.2	7318.2	9499.6	11645.8	12578.1	12859.6
22.5°	2374.9	2621.2	3236.9	4151.7	5400.7	7054.3	9693.1	12666.1	13651.2	13756.8
25°	2075.8	2251.8	2638.8	3500.8	4872.9	6878.4	10150.5	13844.8	15111.4	15111.4
27.5°	1935.1	2005.5	2269.3	3043.4	4503.5	6720.1	10607.9	15146.6	16325.2	16571.5
30°	1899.9	2075.8	2216.6	2709.1	4098.9	6280.3	11030.1	16166.9	17380.7	17398.3
32.5°	1864.7	1829.5	1935.1	2357.3	3606.3	5822.9	11381.9	17204.8	18154.8	18207.5
35°	1460.1	1530.5	1706.4	2075.8	3236.9	5488.6	11557.8	17767.7	19139.9	19192.7
37.5°	1372.2	1460.1	1600.9	1917.5	2990.6	5207.2	11610.6	18858.4	20177.8	20283.4
40°	1337.0	1407.3	1512.9	1776.8	2797.1	4855.3	11716.1	19984.3	21708.3	21567.6
42.5°	1266.6	1354.6	1460.1	1706.4	2638.8	4591.5	11733.7	20600.0	22517.5	22517.5
45°	1249.0	1301.8	1424.9	1706.4	2462.9	4362.8	11452.3	21215.7	23449.9	23168.4
47.5°	1178.7	1284.2	1389.8	1653.6	2251.8	4134.1	11118.0	21532.4	23573.0	23485.1
50°	1161.1	1266.6	1442.5	1565.7	2128.6	4028.5	11047.7	22324.0	23819.3	23801.7
52.5°	1125.9	1231.4	1495.3	1495.3	1970.3	3887.8	11381.9	22675.9	23872.1	24012.8
55°	1073.1	1231.4	1389.8	1372.2	1829.5	3711.9	11751.3	23590.6	24804.5	24769.3
57.5°	1037.9	1196.2	1319.4	1249.0	1671.2	3588.7	12296.7	24470.2	25930.3	25684.1
60°	985.1	1196.2	1178.7	1161.1	1548.1	3483.2	12754.1	24646.1	26176.6	26334.9
62.5°	950.0	1249.0	1037.9	1073.1	1442.5	3430.4	12560.6	23326.7	25842.4	25983.1
65°	914.8	1073.1	950.0	985.1	1407.3	3324.9	11804.1	21743.5	24399.8	25015.6
67.5°	844.4	879.6	879.6	914.8	1372.2	3078.6	10256.0	18893.6	22200.9	22535.1
70°	774.0	791.6	791.6	844.4	1337.0	2797.1	8461.7	16342.8	19263.0	19896.3
72.5°	703.7	703.7	703.7	774.0	1231.4	2568.4	6966.4	12560.6	16008.6	16448.3
75°	615.7	615.7	615.7	686.1	1108.3	2339.7	5488.6	9341.3	11786.5	12419.8
77.5°	545.3	545.3	527.8	615.7	967.5	1899.9	3958.2	6596.9	8303.3	8831.1
80°	457.4	439.8	439.8	492.6	756.4	1372.2	2550.8	4661.8	5787.7	6016.4
82.5°	369.4	351.8	334.2	369.4	545.3	862.0	1583.3	3254.5	3711.9	3571.1
85°	351.8	369.4	299.1	281.5	387.0	562.9	1002.7	2005.5	1671.2	1671.2
87.5°	140.7	123.1	123.1	105.6	193.5	211.1	439.8	369.4	281.5	281.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)