

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: P598982

Luminaire Tested: **IFLD-M-SA4D-740-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598982  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4D-740-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (64) 4000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

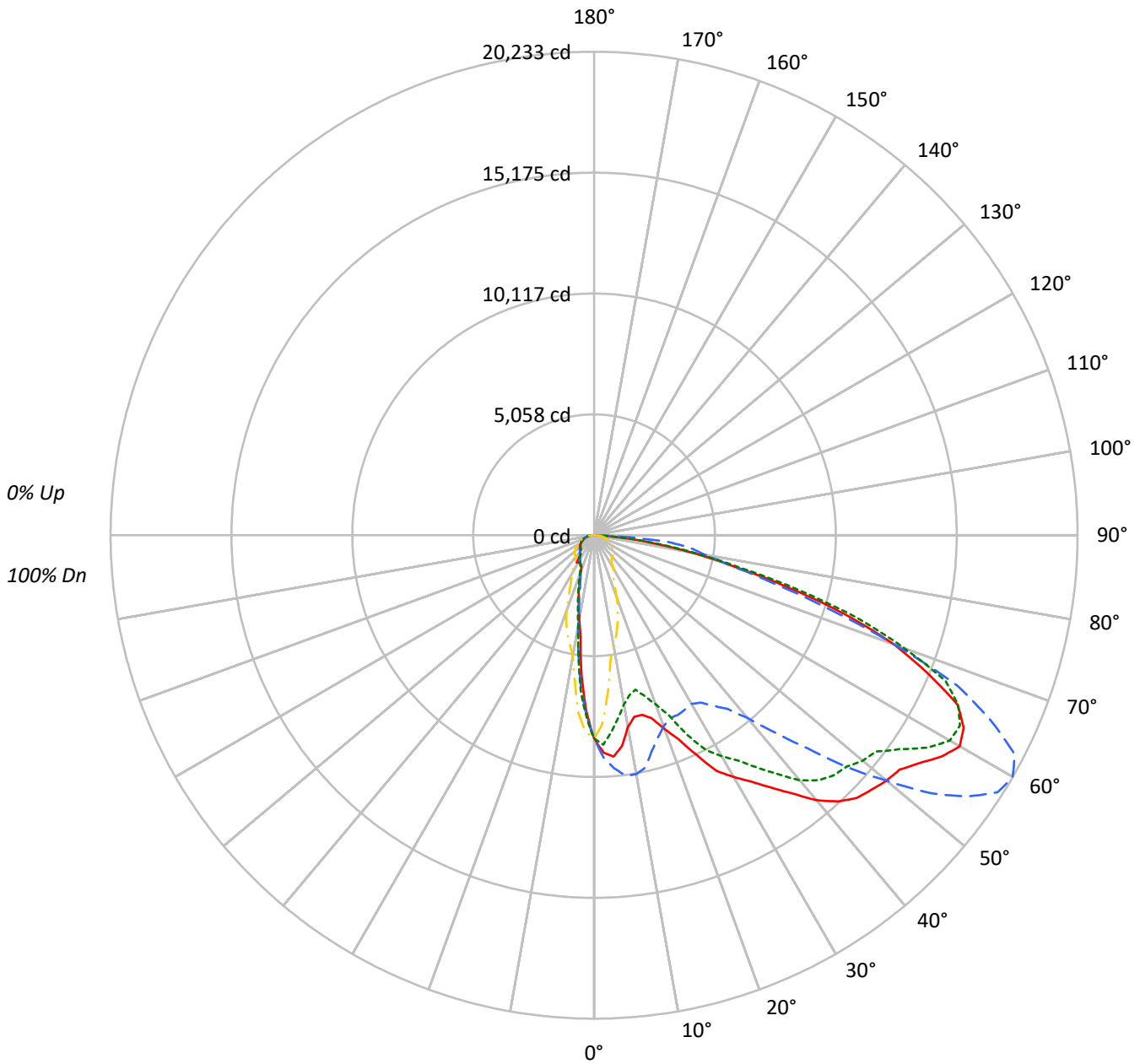
Lumens per Lamp: N/A  
 Luminaire Lumens: 26610.2 lumens  
 Efficiency: N/A  
 Efficacy: 106.6 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

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

TEST NUMBER: P598982  
CATALOG NUMBER: IFLD-M-SA4D-740-U-SLL

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: IFLD-M-SA4D-740-U-SLL

**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°	91485	91485	91485	91485
5°	100507	89283	64028	69896
10°	89025	78574	38835	41674
15°	86687	74585	27492	28546
20°	98843	86268	17984	19876
25°	120429	109353	15702	16263
30°	145104	132633	16286	15113
35°	169229	155734	13495	12720
40°	203353	188093	12605	11942
45°	236655	216170	12758	11860
50°	267450	245706	13047	12256
55°	311907	292856	13514	12849
60°	380423	370003	13468	13468
65°	427527	428129	13830	14431
70°	420171	435029	14490	14861
75°	346595	369668	15217	16199
80°	250247	262688	16829	17561
85°	138495	148696	18958	23330

TEST NUMBER: P598982  
 CATALOG NUMBER: IFLD-M-SA4D-740-U-SLL

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	660.3	2.5
10°-20°	1394.0	5.2
20°-30°	2039.7	7.7
30°-40°	2873.8	10.8
40°-50°	3949.4	14.8
50°-60°	5382.6	20.2
60°-70°	5891.0	22.1
70°-80°	3401.1	12.8
80°-90°	1018.5	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°	4094.0	15.4
0°-40°	6967.7	26.2
0°-60°	16299.7	61.3
0°-90°	26610.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26610.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	8499	8499	8499	8499	8499	
5°	9302	8263	5926	6469	9302	845
15°	7779	6693	2467	2562	7779	2273
25°	10140	9207	1322	1369	10140	4748
35°	12879	11852	1027	968	12879	8166
45°	15546	14201	838	779	15546	11949
55°	16621	15605	720	685	16621	14997
65°	16786	16809	543	567	16786	16066
75°	8334	8889	366	390	8334	8952
85°	1121	1204	154	189	1121	1556
90°	0	0	0	0	0	

TEST NUMBER: P598982  
 CATALOG NUMBER: IFLD-M-SA4D-740-U-SLL

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2
2.5°	9101.2	9065.8	9101.2	9231.0	9266.4	9325.5	9325.5	9242.8	9089.4	9018.5	8900.5
5°	9301.9	9242.8	9537.9	9809.4	10021.9	9998.3	9797.6	9632.4	9325.5	8865.1	8428.3
7.5°	8900.5	8959.5	9172.0	9880.3	10376.1	10470.5	10151.8	9821.2	9160.2	8522.8	7932.5
10°	8145.0	8227.7	8688.0	9419.9	10199.0	10352.4	10151.8	9750.4	8959.5	8168.6	7484.0
12.5°	7779.1	7968.0	8239.5	9124.8	9679.6	10045.5	9951.1	9691.4	8806.1	7873.5	7212.5
15°	7779.1	7826.3	8227.7	8971.3	9290.0	9301.9	9337.3	9384.5	8853.3	8003.4	7118.0
17.5°	8027.0	8156.8	8499.2	8959.5	9018.5	8876.9	8876.9	9077.6	8947.7	8369.3	7460.4
20°	8629.0	8581.8	9030.4	9219.2	8900.5	8546.4	8511.0	8853.3	9054.0	8758.9	8086.0
22.5°	9231.0	9443.5	9809.4	9384.5	8794.3	8322.1	8274.9	8699.8	9372.7	9431.7	8806.1
25°	10140.0	10352.4	10541.3	10021.9	8782.5	8263.1	8298.5	8629.0	9762.2	10387.9	10010.1
27.5°	11119.7	11249.6	11521.1	10718.4	9065.8	8192.2	8227.7	8723.4	10128.2	11013.5	10954.5
30°	11674.5	11816.2	11757.2	10848.2	9254.6	8239.5	8145.0	8853.3	9927.5	11013.5	11568.3
32.5°	12217.5	12134.9	12099.5	11060.7	9490.7	8534.6	8298.5	9124.8	10045.5	11190.6	12359.2
35°	12878.6	12760.5	12666.1	11473.9	9880.3	8817.9	8711.6	9478.9	10305.2	11556.5	12996.6
37.5°	13610.5	13610.5	13150.1	11780.8	10340.6	9278.2	9160.2	9986.5	10718.4	11780.8	13870.2
40°	14472.2	14507.6	13693.1	12193.9	10860.0	10010.1	9974.7	10647.6	11119.7	12111.3	14708.3
42.5°	15109.6	15133.2	14165.3	12347.4	11462.1	11025.3	11178.8	11709.9	11580.1	12406.4	14767.3
45°	15546.4	15428.3	14495.8	12784.1	12123.1	12548.1	12595.3	12748.7	12182.1	12583.5	15003.4
47.5°	15758.9	15735.2	14637.4	13291.7	13516.0	14094.4	14365.9	14153.5	12736.9	12394.6	15003.4
50°	15971.3	15770.7	14767.3	13988.2	14873.5	16042.2	15983.1	15593.6	13504.2	12630.7	14779.1
52.5°	16113.0	15935.9	15027.0	14613.8	16172.0	17494.1	17730.2	17010.1	14401.3	13067.5	14885.3
55°	16620.6	16478.9	15806.1	15463.7	17671.2	19028.7	19064.1	18060.7	15345.7	13787.5	15581.8
57.5°	17234.4	17317.0	16880.3	16667.8	18816.2	20150.1	20020.2	18839.8	16148.4	14661.0	16384.5
60°	17671.2	17801.0	17694.8	17718.4	19382.8	20527.8	20232.7	19323.8	16738.6	15322.1	17364.2
62.5°	17435.1	17694.8	18131.5	18037.1	19406.4	20256.3	19843.2	18686.3	16809.4	16183.8	18107.9
65°	16785.8	16809.4	17659.4	18178.8	18344.0	18851.6	18308.6	17352.4	16077.6	16715.0	18001.7
67.5°	15121.4	15310.3	16077.6	17092.7	16396.3	16514.3	16467.1	15086.0	14968.0	16349.1	17187.2
70°	13350.8	13480.6	14318.7	15511.0	13846.5	13291.7	13398.0	12371.0	12855.0	15215.8	15546.4
72.5°	11037.1	11119.7	12075.9	13126.5	11107.9	10116.4	10364.2	9526.1	10210.8	13315.3	13114.7
75°	8333.9	8487.4	9231.0	10470.5	8180.4	7543.0	7790.9	7448.6	8086.0	10966.3	10175.4
77.5°	5925.8	5807.8	6728.5	8192.2	6150.1	5772.3	5796.0	5855.0	6539.6	9242.8	7306.9
80°	4037.1	4072.5	4898.8	6008.4	4828.0	4769.0	4709.9	5182.1	5489.0	7318.7	5312.0
82.5°	2396.3	2396.3	3305.2	4273.2	3812.8	4296.8	4025.3	4450.3	4296.8	5382.8	3482.3
85°	1121.4	1121.4	1699.8	3080.9	2951.1	3541.3	3010.1	3364.2	3175.4	3753.8	1570.0
87.5°	188.9	165.3	342.3	1511.0	1215.9	1381.1	543.0	1794.3	1994.9	2620.6	389.5
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: P598982  
 CATALOG NUMBER: IFLD-M-SA4D-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2
2.5°	8770.7	8688.0	8522.8	8310.3	8133.2	7908.9	7838.1	7684.7	7472.2	7448.6	7354.1
5°	8263.1	7979.8	7625.6	7188.9	6893.8	6586.8	6327.1	6173.7	5996.6	5973.0	5925.8
7.5°	7708.3	7354.1	6763.9	6244.5	5736.9	5253.0	5016.9	4721.8	4521.1	4367.6	4296.8
10°	7188.9	6858.3	6126.5	5418.2	4969.6	4650.9	4367.6	4060.7	3812.8	3623.9	3553.1
12.5°	6846.5	6457.0	5666.1	4993.3	4662.7	4296.8	3978.1	3647.6	3328.8	3080.9	2951.1
15°	6693.1	6327.1	5524.5	4780.8	4296.8	3789.2	3423.3	3092.7	2703.2	2526.1	2467.1
17.5°	7059.0	6516.0	5477.2	4532.9	3848.2	3269.8	2821.2	2467.1	2183.8	2006.7	1935.9
20°	7531.2	6858.3	5559.9	4237.8	3423.3	2774.0	2278.2	1900.5	1711.6	1581.8	1570.0
22.5°	8133.2	7365.9	5689.7	4025.3	2951.1	2231.0	1782.5	1558.2	1428.3	1416.5	1392.9
25°	9207.4	8286.7	5902.2	3742.0	2573.4	1841.5	1522.8	1392.9	1333.9	1298.5	1322.1
27.5°	10128.2	8888.7	6055.6	3564.9	2419.9	1735.2	1475.5	1333.9	1274.9	1263.1	1274.9
30°	10671.2	9443.5	6008.4	3234.4	2113.0	1652.6	1570.0	1522.8	1404.7	1310.3	1310.3
32.5°	11166.9	9797.6	5996.6	2939.3	1806.1	1381.1	1310.3	1274.9	1345.7	1392.9	1357.5
35°	11851.6	10352.4	5961.2	2774.0	1676.2	1274.9	1156.8	1062.4	1015.2	991.6	1027.0
37.5°	12583.5	10730.2	5866.8	2750.4	1605.4	1215.9	1121.4	1027.0	979.8	956.2	944.4
40°	13386.2	11131.5	5760.5	2632.4	1570.0	1180.4	1086.0	1003.4	944.4	908.9	897.1
42.5°	13905.6	11450.3	5654.3	2573.4	1499.2	1156.8	1050.6	979.8	920.7	873.5	873.5
45°	14200.7	11828.0	5548.1	2514.3	1416.5	1168.6	1050.6	956.2	885.3	861.7	838.1
47.5°	14330.5	12111.3	5512.6	2419.9	1345.7	1121.4	1027.0	932.5	861.7	814.5	802.7
50°	14672.8	12713.3	5642.5	2349.1	1263.1	1074.2	1086.0	920.7	849.9	790.9	779.1
52.5°	14873.5	13197.3	5925.8	2242.8	1204.0	1015.2	1062.4	897.1	814.5	755.5	755.5
55°	15605.4	14000.0	6232.7	2160.2	1133.2	932.5	979.8	849.9	755.5	720.1	720.1
57.5°	16537.9	14849.9	6492.4	2124.8	1086.0	873.5	873.5	826.3	720.1	672.8	661.0
60°	17187.2	15546.4	6645.9	2101.2	1038.8	814.5	779.1	826.3	684.7	637.4	625.6
62.5°	17258.0	15145.0	6492.4	2089.4	1027.0	755.5	708.3	790.9	649.2	602.0	578.4
65°	16809.4	14330.5	6067.5	2042.2	1015.2	696.5	661.0	684.7	602.0	566.6	543.0
67.5°	15912.3	13008.4	5453.6	2018.5	1003.4	649.2	602.0	590.2	554.8	519.4	495.8
70°	13822.9	11285.0	4733.6	1912.3	979.8	613.8	543.0	531.2	495.8	472.2	460.4
72.5°	11603.7	9231.0	3907.3	1770.7	932.5	554.8	495.8	472.2	460.4	425.0	413.2
75°	8888.7	7106.2	3128.2	1570.0	814.5	495.8	436.8	413.2	401.3	377.7	365.9
77.5°	6244.5	5288.4	2313.7	1274.9	684.7	448.6	389.5	365.9	354.1	318.7	318.7
80°	4237.8	3706.6	1570.0	885.3	531.2	365.9	342.3	318.7	295.1	271.5	271.5
82.5°	2632.4	2597.0	1133.2	578.4	389.5	295.1	271.5	271.5	236.1	212.5	212.5
85°	1204.0	1593.6	790.9	401.3	295.1	224.3	224.3	212.5	188.9	153.5	153.5
87.5°	377.7	531.2	413.2	177.1	165.3	129.8	129.8	118.0	118.0	94.4	94.4
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: P598982  
 CATALOG NUMBER: IFLD-M-SA4D-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2
2.5°	7448.6	7436.8	7436.8	7389.5	7507.6	7507.6	7578.4	7519.4	7554.8	7566.6	7661.0
5°	5914.0	6008.4	6079.3	6220.9	6303.5	6339.0	6339.0	6433.4	6398.0	6468.8	6610.5
7.5°	4332.2	4450.3	4662.7	4839.8	4981.4	5028.7	5016.9	5040.5	5075.9	4993.3	5016.9
10°	3505.9	3423.3	3494.1	3659.4	3789.2	3942.7	3824.6	3812.8	3848.2	3812.8	3883.6
12.5°	2927.5	2833.1	2774.0	2774.0	2868.5	2939.3	2903.9	2962.9	3092.7	3128.2	3210.8
15°	2372.7	2290.1	2242.8	2183.8	2278.2	2301.9	2337.3	2419.9	2514.3	2561.6	2656.0
17.5°	1900.5	1900.5	1900.5	1853.3	1888.7	1924.1	1935.9	2042.2	2054.0	2101.2	2136.6
20°	1558.2	1593.6	1652.6	1676.2	1711.6	1711.6	1688.0	1747.0	1699.8	1735.2	1758.9
22.5°	1404.7	1451.9	1475.5	1487.4	1534.6	1546.4	1487.4	1499.2	1511.0	1475.5	1487.4
25°	1322.1	1345.7	1322.1	1333.9	1345.7	1322.1	1333.9	1357.5	1345.7	1369.3	1357.5
27.5°	1286.7	1263.1	1251.3	1239.5	1239.5	1215.9	1227.7	1227.7	1251.3	1263.1	1263.1
30°	1286.7	1251.3	1204.0	1168.6	1168.6	1133.2	1156.8	1180.4	1192.2	1215.9	1215.9
32.5°	1322.1	1251.3	1168.6	1133.2	1097.8	1074.2	1097.8	1133.2	1180.4	1192.2	1204.0
35°	1050.6	1086.0	1074.2	1027.0	1015.2	1015.2	1003.4	1003.4	968.0	968.0	956.2
37.5°	944.4	932.5	956.2	968.0	979.8	944.4	944.4	897.1	885.3	897.1	897.1
40°	885.3	885.3	885.3	920.7	932.5	908.9	873.5	849.9	849.9	849.9	861.7
42.5°	861.7	838.1	826.3	849.9	885.3	861.7	826.3	814.5	814.5	826.3	826.3
45°	826.3	814.5	802.7	790.9	838.1	802.7	790.9	779.1	779.1	779.1	790.9
47.5°	790.9	779.1	755.5	755.5	767.3	755.5	743.7	743.7	743.7	767.3	767.3
50°	767.3	755.5	731.9	731.9	731.9	731.9	720.1	720.1	720.1	731.9	743.7
52.5°	731.9	720.1	708.3	696.5	696.5	696.5	696.5	696.5	696.5	708.3	720.1
55°	696.5	684.7	672.8	672.8	684.7	684.7	672.8	684.7	672.8	684.7	696.5
57.5°	661.0	649.2	637.4	649.2	661.0	649.2	649.2	649.2	649.2	649.2	661.0
60°	613.8	613.8	613.8	613.8	637.4	637.4	637.4	637.4	613.8	625.6	637.4
62.5°	590.2	578.4	578.4	590.2	602.0	602.0	613.8	602.0	590.2	602.0	602.0
65°	543.0	543.0	543.0	554.8	554.8	566.6	566.6	566.6	554.8	566.6	566.6
67.5°	507.6	507.6	507.6	507.6	531.2	531.2	531.2	531.2	519.4	519.4	531.2
70°	448.6	460.4	448.6	472.2	495.8	484.0	495.8	495.8	484.0	472.2	495.8
72.5°	413.2	413.2	413.2	413.2	448.6	448.6	448.6	460.4	448.6	436.8	448.6
75°	365.9	365.9	365.9	377.7	401.3	401.3	401.3	401.3	401.3	389.5	389.5
77.5°	318.7	330.5	318.7	330.5	354.1	342.3	354.1	365.9	354.1	342.3	342.3
80°	271.5	271.5	271.5	283.3	295.1	295.1	295.1	306.9	295.1	283.3	283.3
82.5°	212.5	212.5	224.3	224.3	236.1	236.1	236.1	247.9	236.1	224.3	224.3
85°	165.3	165.3	165.3	177.1	177.1	188.9	188.9	200.7	200.7	188.9	188.9
87.5°	106.2	94.4	106.2	106.2	118.0	118.0	106.2	94.4	106.2	94.4	82.6
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: P598982  
 CATALOG NUMBER: IFLD-M-SA4D-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2	8499.2
2.5°	7755.5	7968.0	8121.4	8227.7	8381.1	8676.2	8794.3	9006.7	9065.8	9101.2
5°	6669.5	6893.8	7224.3	7460.4	7731.9	8286.7	8711.6	9030.4	9172.0	9301.9
7.5°	5229.3	5524.5	5866.8	6173.7	6622.3	7306.9	7861.7	8522.8	8770.7	8900.5
10°	4084.3	4355.8	4733.6	5111.3	5736.9	6315.3	7106.2	7708.3	8050.6	8145.0
12.5°	3446.9	3765.6	4214.2	4674.5	5064.1	5725.1	6527.8	7401.3	7720.1	7779.1
15°	2927.5	3364.2	3824.6	4296.8	4745.4	5323.8	6185.5	7247.9	7720.1	7779.1
17.5°	2419.9	2809.4	3352.4	3860.0	4379.4	5170.3	6244.5	7377.7	7849.9	8027.0
20°	1924.1	2301.9	2726.8	3364.2	4072.5	4910.6	6374.4	7814.5	8440.1	8629.0
22.5°	1593.6	1758.9	2172.0	2785.8	3623.9	4733.6	6504.2	8499.2	9160.2	9231.0
25°	1392.9	1511.0	1770.7	2349.1	3269.8	4615.5	6811.1	9290.0	10140.0	10140.0
27.5°	1298.5	1345.7	1522.8	2042.2	3021.9	4509.3	7118.0	10163.6	10954.5	11119.7
30°	1274.9	1392.9	1487.4	1817.9	2750.4	4214.2	7401.3	10848.2	11662.7	11674.5
32.5°	1251.3	1227.7	1298.5	1581.8	2419.9	3907.3	7637.4	11544.7	12182.1	12217.5
35°	979.8	1027.0	1145.0	1392.9	2172.0	3683.0	7755.5	11922.4	12843.2	12878.6
37.5°	920.7	979.8	1074.2	1286.7	2006.7	3494.1	7790.9	12654.3	13539.6	13610.5
40°	897.1	944.4	1015.2	1192.2	1876.9	3258.0	7861.7	13409.8	14566.6	14472.2
42.5°	849.9	908.9	979.8	1145.0	1770.7	3080.9	7873.5	13822.9	15109.6	15109.6
45°	838.1	873.5	956.2	1145.0	1652.6	2927.5	7684.7	14236.1	15735.2	15546.4
47.5°	790.9	861.7	932.5	1109.6	1511.0	2774.0	7460.4	14448.6	15817.9	15758.9
50°	779.1	849.9	968.0	1050.6	1428.3	2703.2	7413.2	14979.8	15983.1	15971.3
52.5°	755.5	826.3	1003.4	1003.4	1322.1	2608.8	7637.4	15215.8	16018.5	16113.0
55°	720.1	826.3	932.5	920.7	1227.7	2490.7	7885.3	15829.7	16644.2	16620.6
57.5°	696.5	802.7	885.3	838.1	1121.4	2408.1	8251.3	16419.9	17399.7	17234.4
60°	661.0	802.7	790.9	779.1	1038.8	2337.3	8558.2	16537.9	17564.9	17671.2
62.5°	637.4	838.1	696.5	720.1	968.0	2301.9	8428.3	15652.6	17340.6	17435.1
65°	613.8	720.1	637.4	661.0	944.4	2231.0	7920.7	14590.2	16372.7	16785.8
67.5°	566.6	590.2	590.2	613.8	920.7	2065.8	6882.0	12677.9	14897.1	15121.4
70°	519.4	531.2	531.2	566.6	897.1	1876.9	5677.9	10966.3	12925.8	13350.8
72.5°	472.2	472.2	472.2	519.4	826.3	1723.4	4674.5	8428.3	10742.0	11037.1
75°	413.2	413.2	413.2	460.4	743.7	1570.0	3683.0	6268.1	7908.9	8333.9
77.5°	365.9	365.9	354.1	413.2	649.2	1274.9	2656.0	4426.6	5571.7	5925.8
80°	306.9	295.1	295.1	330.5	507.6	920.7	1711.6	3128.2	3883.6	4037.1
82.5°	247.9	236.1	224.3	247.9	365.9	578.4	1062.4	2183.8	2490.7	2396.3
85°	236.1	247.9	200.7	188.9	259.7	377.7	672.8	1345.7	1121.4	1121.4
87.5°	94.4	82.6	82.6	70.8	129.8	141.7	295.1	247.9	188.9	188.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)