

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: P598893

Luminaire Tested: **IFLD-M-SA4B-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: P598893  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4B-727-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (64) 2700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

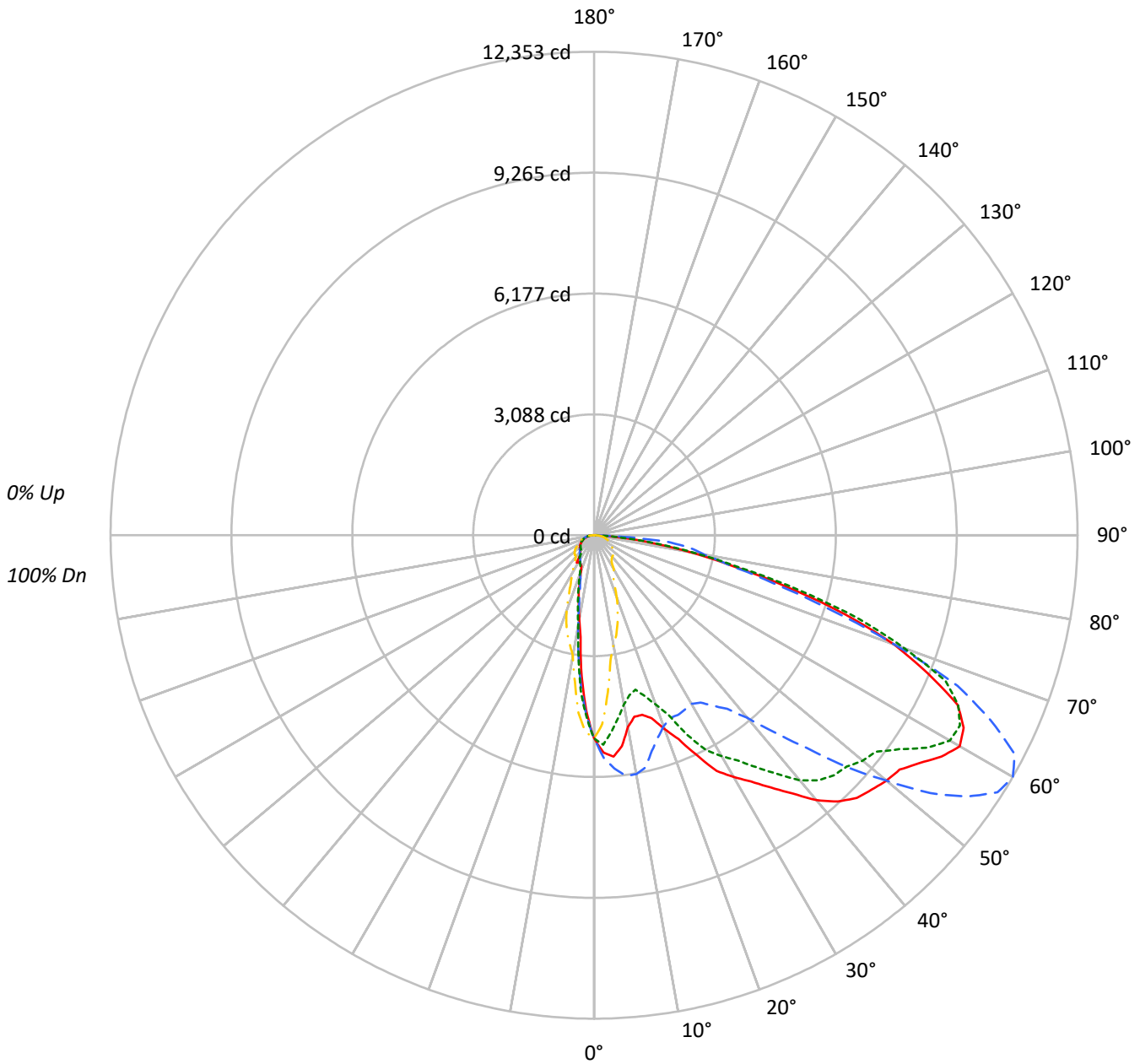
Lumens per Lamp: N/A  
 Luminaire Lumens: 16247.1 lumens  
 Efficiency: N/A  
 Efficacy: 97.8 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 166.1  
 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

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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	100	100	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77	77	77	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60	60	60	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47	47	47	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	38	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31	31	31	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26	26	26	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22	22	22	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19	19	19	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17	17	17	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15	15	15	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	55856	55856	55856	55856
5°	61365	54512	39093	42676
10°	54355	47974	23711	25444
15°	52928	45538	16786	17429
20°	60349	52671	10980	12136
25°	73528	66767	9587	9929
30°	88595	80981	9943	9226
35°	103324	95085	8239	7766
40°	124159	114841	7697	7291
45°	144490	131983	7789	7241
50°	163294	150018	7966	7482
55°	190437	178805	8250	7844
60°	232270	225909	8224	8224
65°	261030	261397	8443	8810
70°	256537	265611	8847	9073
75°	211615	225705	9291	9890
80°	152792	160385	10277	10724
85°	84562	90786	11572	14240

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	403.1	2.5
10°-20°	851.1	5.2
20°-30°	1245.3	7.7
30°-40°	1754.6	10.8
40°-50°	2411.3	14.8
50°-60°	3286.4	20.2
60°-70°	3596.8	22.1
70°-80°	2076.6	12.8
80°-90°	621.8	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°	2499.6	15.4
0°-40°	4254.2	26.2
0°-60°	9951.9	61.3
0°-90°	16247.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16247.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5189	5189	5189	5189	5189	
5°	5679	5045	3618	3950	5679	516
15°	4750	4086	1506	1564	4750	1388
25°	6191	5622	807	836	6191	2899
35°	7863	7236	627	591	7863	4986
45°	9492	8670	512	476	9492	7295
55°	10148	9528	440	418	10148	9156
65°	10249	10263	332	346	10249	9809
75°	5088	5427	223	238	5088	5466
85°	685	735	94	115	685	950
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°	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2
2.5°	5556.8	5535.2	5556.8	5636.1	5657.7	5693.7	5693.7	5643.3	5549.6	5506.3	5434.3
5°	5679.3	5643.3	5823.5	5989.2	6119.0	6104.5	5982.0	5881.1	5693.7	5412.6	5146.0
7.5°	5434.3	5470.3	5600.0	6032.5	6335.2	6392.8	6198.2	5996.4	5592.8	5203.6	4843.3
10°	4973.0	5023.5	5304.5	5751.4	6227.1	6320.8	6198.2	5953.2	5470.3	4987.4	4569.4
12.5°	4749.6	4864.9	5030.7	5571.2	5909.9	6133.4	6075.7	5917.2	5376.6	4807.2	4403.6
15°	4749.6	4778.4	5023.5	5477.5	5672.1	5679.3	5700.9	5729.8	5405.4	4886.5	4346.0
17.5°	4900.9	4980.2	5189.2	5470.3	5506.3	5419.9	5419.9	5542.4	5463.1	5109.9	4555.0
20°	5268.5	5239.7	5513.5	5628.9	5434.3	5218.0	5196.4	5405.4	5528.0	5347.8	4937.0
22.5°	5636.1	5765.8	5989.2	5729.8	5369.4	5081.1	5052.3	5311.7	5722.6	5758.6	5376.6
25°	6191.0	6320.8	6436.1	6119.0	5362.2	5045.1	5066.7	5268.5	5960.4	6342.4	6111.7
27.5°	6789.2	6868.5	7034.3	6544.2	5535.2	5001.8	5023.5	5326.2	6183.8	6724.4	6688.3
30°	7128.0	7214.5	7178.4	6623.5	5650.5	5030.7	4973.0	5405.4	6061.3	6724.4	7063.1
32.5°	7459.5	7409.1	7387.4	6753.2	5794.6	5210.8	5066.7	5571.2	6133.4	6832.5	7546.0
35°	7863.1	7791.0	7733.4	7005.4	6032.5	5383.8	5319.0	5787.4	6291.9	7055.9	7935.2
37.5°	8310.0	8310.0	8028.9	7192.8	6313.6	5664.9	5592.8	6097.3	6544.2	7192.8	8468.5
40°	8836.1	8857.7	8360.4	7445.1	6630.7	6111.7	6090.1	6500.9	6789.2	7394.6	8980.2
42.5°	9225.3	9239.7	8648.7	7538.8	6998.2	6731.6	6825.3	7149.6	7070.3	7574.8	9016.3
45°	9491.9	9419.9	8850.5	7805.5	7401.8	7661.3	7690.1	7783.8	7437.9	7682.9	9160.4
47.5°	9621.7	9607.3	8937.0	8115.4	8252.3	8605.5	8771.2	8641.5	7776.6	7567.6	9160.4
50°	9751.4	9628.9	9016.3	8540.6	9081.1	9794.7	9758.6	9520.8	8245.1	7711.8	9023.5
52.5°	9837.9	9729.8	9174.8	8922.6	9873.9	10681.1	10825.3	10385.6	8792.8	7978.4	9088.3
55°	10147.8	10061.3	9650.5	9441.5	10789.3	11618.1	11639.7	11027.1	9369.4	8418.1	9513.6
57.5°	10522.6	10573.0	10306.4	10176.6	11488.4	12302.8	12223.5	11502.8	9859.5	8951.4	10003.7
60°	10789.3	10868.5	10803.7	10818.1	11834.3	12533.4	12353.2	11798.3	10219.9	9355.0	10601.9
62.5°	10645.1	10803.7	11070.3	11012.7	11848.7	12367.6	12115.4	11409.1	10263.1	9881.1	11055.9
65°	10248.7	10263.1	10782.0	11099.2	11200.1	11510.0	11178.4	10594.7	9816.3	10205.5	10991.1
67.5°	9232.5	9347.8	9816.3	10436.1	10010.9	10082.9	10054.1	9210.9	9138.8	9982.0	10493.8
70°	8151.4	8230.7	8742.4	9470.3	8454.1	8115.4	8180.2	7553.2	7848.7	9290.1	9491.9
72.5°	6738.8	6789.2	7373.0	8014.5	6782.0	6176.6	6328.0	5816.3	6234.3	8129.8	8007.3
75°	5088.3	5182.0	5636.1	6392.8	4994.6	4605.4	4756.8	4547.8	4937.0	6695.5	6212.7
77.5°	3618.0	3546.0	4108.1	5001.8	3755.0	3524.3	3538.8	3574.8	3992.8	5643.3	4461.3
80°	2464.9	2486.5	2991.0	3668.5	2947.8	2911.7	2875.7	3164.0	3351.4	4468.5	3243.3
82.5°	1463.1	1463.1	2018.0	2609.0	2327.9	2623.4	2457.7	2717.1	2623.4	3286.5	2126.1
85°	684.7	684.7	1037.8	1881.1	1801.8	2162.2	1837.8	2054.1	1938.8	2291.9	958.6
87.5°	115.3	100.9	209.0	922.5	742.3	843.2	331.5	1095.5	1218.0	1600.0	237.8
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°	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2
2.5°	5355.0	5304.5	5203.6	5073.9	4965.8	4828.9	4785.6	4691.9	4562.2	4547.8	4490.1
5°	5045.1	4872.1	4655.9	4389.2	4209.0	4021.6	3863.1	3769.4	3661.3	3646.9	3618.0
7.5°	4706.3	4490.1	4129.8	3812.6	3502.7	3207.2	3063.1	2882.9	2760.4	2666.7	2623.4
10°	4389.2	4187.4	3740.6	3308.1	3034.3	2839.7	2666.7	2479.3	2327.9	2212.6	2169.4
12.5°	4180.2	3942.4	3459.5	3048.7	2846.9	2623.4	2428.8	2227.0	2032.4	1881.1	1801.8
15°	4086.5	3863.1	3373.0	2918.9	2623.4	2313.5	2090.1	1888.3	1650.5	1542.4	1506.3
17.5°	4309.9	3978.4	3344.2	2767.6	2349.6	1996.4	1722.5	1506.3	1333.3	1225.2	1182.0
20°	4598.2	4187.4	3394.6	2587.4	2090.1	1693.7	1391.0	1160.4	1045.1	965.8	958.6
22.5°	4965.8	4497.3	3473.9	2457.7	1801.8	1362.2	1088.3	951.4	872.1	864.9	850.5
25°	5621.7	5059.5	3603.6	2284.7	1571.2	1124.3	929.7	850.5	814.4	792.8	807.2
27.5°	6183.8	5427.1	3697.3	2176.6	1477.5	1059.5	900.9	814.4	778.4	771.2	778.4
30°	6515.4	5765.8	3668.5	1974.8	1290.1	1009.0	958.6	929.7	857.7	800.0	800.0
32.5°	6818.1	5982.0	3661.3	1794.6	1102.7	843.2	800.0	778.4	821.6	850.5	828.8
35°	7236.1	6320.8	3639.7	1693.7	1023.4	778.4	706.3	648.7	619.8	605.4	627.0
37.5°	7682.9	6551.4	3582.0	1679.3	980.2	742.3	684.7	627.0	598.2	583.8	576.6
40°	8173.0	6796.4	3517.1	1607.2	958.6	720.7	663.1	612.6	576.6	555.0	547.8
42.5°	8490.1	6991.0	3452.3	1571.2	915.3	706.3	641.4	598.2	562.2	533.3	533.3
45°	8670.3	7221.7	3387.4	1535.1	864.9	713.5	641.4	583.8	540.5	526.1	511.7
47.5°	8749.6	7394.6	3365.8	1477.5	821.6	684.7	627.0	569.4	526.1	497.3	490.1
50°	8958.6	7762.2	3445.1	1434.2	771.2	655.9	663.1	562.2	518.9	482.9	475.7
52.5°	9081.1	8057.7	3618.0	1369.4	735.1	619.8	648.7	547.8	497.3	461.3	461.3
55°	9528.0	8547.8	3805.4	1318.9	691.9	569.4	598.2	518.9	461.3	439.6	439.6
57.5°	10097.4	9066.7	3964.0	1297.3	663.1	533.3	533.3	504.5	439.6	410.8	403.6
60°	10493.8	9491.9	4057.7	1282.9	634.2	497.3	475.7	504.5	418.0	389.2	382.0
62.5°	10537.0	9246.9	3964.0	1275.7	627.0	461.3	432.4	482.9	396.4	367.6	353.2
65°	10263.1	8749.6	3704.5	1246.9	619.8	425.2	403.6	418.0	367.6	345.9	331.5
67.5°	9715.4	7942.4	3329.7	1232.4	612.6	396.4	367.6	360.4	338.7	317.1	302.7
70°	8439.7	6890.1	2890.1	1167.6	598.2	374.8	331.5	324.3	302.7	288.3	281.1
72.5°	7084.7	5636.1	2385.6	1081.1	569.4	338.7	302.7	288.3	281.1	259.5	252.3
75°	5427.1	4338.8	1909.9	958.6	497.3	302.7	266.7	252.3	245.0	230.6	223.4
77.5°	3812.6	3228.8	1412.6	778.4	418.0	273.9	237.8	223.4	216.2	194.6	194.6
80°	2587.4	2263.1	958.6	540.5	324.3	223.4	209.0	194.6	180.2	165.8	165.8
82.5°	1607.2	1585.6	691.9	353.2	237.8	180.2	165.8	165.8	144.1	129.7	129.7
85°	735.1	973.0	482.9	245.0	180.2	136.9	136.9	129.7	115.3	93.7	93.7
87.5°	230.6	324.3	252.3	108.1	100.9	79.3	79.3	72.1	72.1	57.7	57.7
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°	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2
2.5°	4547.8	4540.6	4540.6	4511.7	4583.8	4583.8	4627.1	4591.0	4612.6	4619.8	4677.5
5°	3610.8	3668.5	3711.7	3798.2	3848.7	3870.3	3870.3	3928.0	3906.3	3949.6	4036.1
7.5°	2645.1	2717.1	2846.9	2955.0	3041.5	3070.3	3063.1	3077.5	3099.1	3048.7	3063.1
10°	2140.6	2090.1	2133.3	2234.2	2313.5	2407.2	2335.1	2327.9	2349.6	2327.9	2371.2
12.5°	1787.4	1729.7	1693.7	1693.7	1751.4	1794.6	1773.0	1809.0	1888.3	1909.9	1960.4
15°	1448.7	1398.2	1369.4	1333.3	1391.0	1405.4	1427.0	1477.5	1535.1	1564.0	1621.6
17.5°	1160.4	1160.4	1160.4	1131.5	1153.2	1174.8	1182.0	1246.9	1254.1	1282.9	1304.5
20°	951.4	973.0	1009.0	1023.4	1045.1	1045.1	1030.6	1066.7	1037.8	1059.5	1073.9
22.5°	857.7	886.5	900.9	908.1	936.9	944.1	908.1	915.3	922.5	900.9	908.1
25°	807.2	821.6	807.2	814.4	821.6	807.2	814.4	828.8	821.6	836.0	828.8
27.5°	785.6	771.2	764.0	756.8	756.8	742.3	749.6	749.6	764.0	771.2	771.2
30°	785.6	764.0	735.1	713.5	713.5	691.9	706.3	720.7	727.9	742.3	742.3
32.5°	807.2	764.0	713.5	691.9	670.3	655.9	670.3	691.9	720.7	727.9	735.1
35°	641.4	663.1	655.9	627.0	619.8	619.8	612.6	612.6	591.0	591.0	583.8
37.5°	576.6	569.4	583.8	591.0	598.2	576.6	576.6	547.8	540.5	547.8	547.8
40°	540.5	540.5	540.5	562.2	569.4	555.0	533.3	518.9	518.9	518.9	526.1
42.5°	526.1	511.7	504.5	518.9	540.5	526.1	504.5	497.3	497.3	504.5	504.5
45°	504.5	497.3	490.1	482.9	511.7	490.1	482.9	475.7	475.7	475.7	482.9
47.5°	482.9	475.7	461.3	461.3	468.5	461.3	454.1	454.1	454.1	468.5	468.5
50°	468.5	461.3	446.8	446.8	446.8	446.8	439.6	439.6	439.6	446.8	454.1
52.5°	446.8	439.6	432.4	425.2	425.2	425.2	425.2	425.2	425.2	432.4	439.6
55°	425.2	418.0	410.8	410.8	418.0	418.0	410.8	418.0	410.8	418.0	425.2
57.5°	403.6	396.4	389.2	396.4	403.6	396.4	396.4	396.4	396.4	396.4	403.6
60°	374.8	374.8	374.8	374.8	389.2	389.2	389.2	389.2	374.8	382.0	389.2
62.5°	360.4	353.2	353.2	360.4	367.6	367.6	374.8	367.6	360.4	367.6	367.6
65°	331.5	331.5	331.5	338.7	338.7	345.9	345.9	345.9	338.7	345.9	345.9
67.5°	309.9	309.9	309.9	309.9	324.3	324.3	324.3	324.3	317.1	317.1	324.3
70°	273.9	281.1	273.9	288.3	302.7	295.5	302.7	302.7	295.5	288.3	302.7
72.5°	252.3	252.3	252.3	252.3	273.9	273.9	273.9	281.1	273.9	266.7	273.9
75°	223.4	223.4	223.4	230.6	245.0	245.0	245.0	245.0	245.0	237.8	237.8
77.5°	194.6	201.8	194.6	201.8	216.2	209.0	216.2	223.4	216.2	209.0	209.0
80°	165.8	165.8	165.8	173.0	180.2	180.2	180.2	187.4	180.2	173.0	173.0
82.5°	129.7	129.7	136.9	136.9	144.1	144.1	144.1	151.4	144.1	136.9	136.9
85°	100.9	100.9	100.9	108.1	108.1	115.3	115.3	122.5	122.5	115.3	115.3
87.5°	64.9	57.7	64.9	64.9	72.1	72.1	64.9	57.7	64.9	57.7	50.5
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: P598893  
 CATALOG NUMBER: IFLD-M-SA4B-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2	5189.2
2.5°	4735.2	4864.9	4958.6	5023.5	5117.1	5297.3	5369.4	5499.1	5535.2	5556.8
5°	4072.1	4209.0	4410.8	4555.0	4720.7	5059.5	5319.0	5513.5	5600.0	5679.3
7.5°	3192.8	3373.0	3582.0	3769.4	4043.3	4461.3	4800.0	5203.6	5355.0	5434.3
10°	2493.7	2659.5	2890.1	3120.7	3502.7	3855.9	4338.8	4706.3	4915.3	4973.0
12.5°	2104.5	2299.1	2573.0	2854.1	3091.9	3495.5	3985.6	4518.9	4713.5	4749.6
15°	1787.4	2054.1	2335.1	2623.4	2897.3	3250.5	3776.6	4425.3	4713.5	4749.6
17.5°	1477.5	1715.3	2046.9	2356.8	2673.9	3156.8	3812.6	4504.5	4792.8	4900.9
20°	1174.8	1405.4	1664.9	2054.1	2486.5	2998.2	3891.9	4771.2	5153.2	5268.5
22.5°	973.0	1073.9	1326.1	1700.9	2212.6	2890.1	3971.2	5189.2	5592.8	5636.1
25°	850.5	922.5	1081.1	1434.2	1996.4	2818.0	4158.6	5672.1	6191.0	6191.0
27.5°	792.8	821.6	929.7	1246.9	1845.1	2753.2	4346.0	6205.4	6688.3	6789.2
30°	778.4	850.5	908.1	1109.9	1679.3	2573.0	4518.9	6623.5	7120.8	7128.0
32.5°	764.0	749.6	792.8	965.8	1477.5	2385.6	4663.1	7048.7	7437.9	7459.5
35°	598.2	627.0	699.1	850.5	1326.1	2248.7	4735.2	7279.3	7841.5	7863.1
37.5°	562.2	598.2	655.9	785.6	1225.2	2133.3	4756.8	7726.2	8266.7	8310.0
40°	547.8	576.6	619.8	727.9	1146.0	1989.2	4800.0	8187.4	8893.7	8836.1
42.5°	518.9	555.0	598.2	699.1	1081.1	1881.1	4807.2	8439.7	9225.3	9225.3
45°	511.7	533.3	583.8	699.1	1009.0	1787.4	4691.9	8691.9	9607.3	9491.9
47.5°	482.9	526.1	569.4	677.5	922.5	1693.7	4555.0	8821.7	9657.7	9621.7
50°	475.7	518.9	591.0	641.4	872.1	1650.5	4526.2	9146.0	9758.6	9751.4
52.5°	461.3	504.5	612.6	612.6	807.2	1592.8	4663.1	9290.1	9780.2	9837.9
55°	439.6	504.5	569.4	562.2	749.6	1520.7	4814.4	9664.9	10162.2	10147.8
57.5°	425.2	490.1	540.5	511.7	684.7	1470.3	5037.9	10025.3	10623.5	10522.6
60°	403.6	490.1	482.9	475.7	634.2	1427.0	5225.3	10097.4	10724.4	10789.3
62.5°	389.2	511.7	425.2	439.6	591.0	1405.4	5146.0	9556.8	10587.5	10645.1
65°	374.8	439.6	389.2	403.6	576.6	1362.2	4836.1	8908.2	9996.5	10248.7
67.5°	345.9	360.4	360.4	374.8	562.2	1261.3	4201.8	7740.6	9095.6	9232.5
70°	317.1	324.3	324.3	345.9	547.8	1146.0	3466.7	6695.5	7891.9	8151.4
72.5°	288.3	288.3	288.3	317.1	504.5	1052.3	2854.1	5146.0	6558.6	6738.8
75°	252.3	252.3	252.3	281.1	454.1	958.6	2248.7	3827.1	4828.9	5088.3
77.5°	223.4	223.4	216.2	252.3	396.4	778.4	1621.6	2702.7	3401.8	3618.0
80°	187.4	180.2	180.2	201.8	309.9	562.2	1045.1	1909.9	2371.2	2464.9
82.5°	151.4	144.1	136.9	151.4	223.4	353.2	648.7	1333.3	1520.7	1463.1
85°	144.1	151.4	122.5	115.3	158.6	230.6	410.8	821.6	684.7	684.7
87.5°	57.7	50.5	50.5	43.2	79.3	86.5	180.2	151.4	115.3	115.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)