

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: P599032

Luminaire Tested: **IFLD-S-SA6A-760-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599032  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6A-760-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (96) 5700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

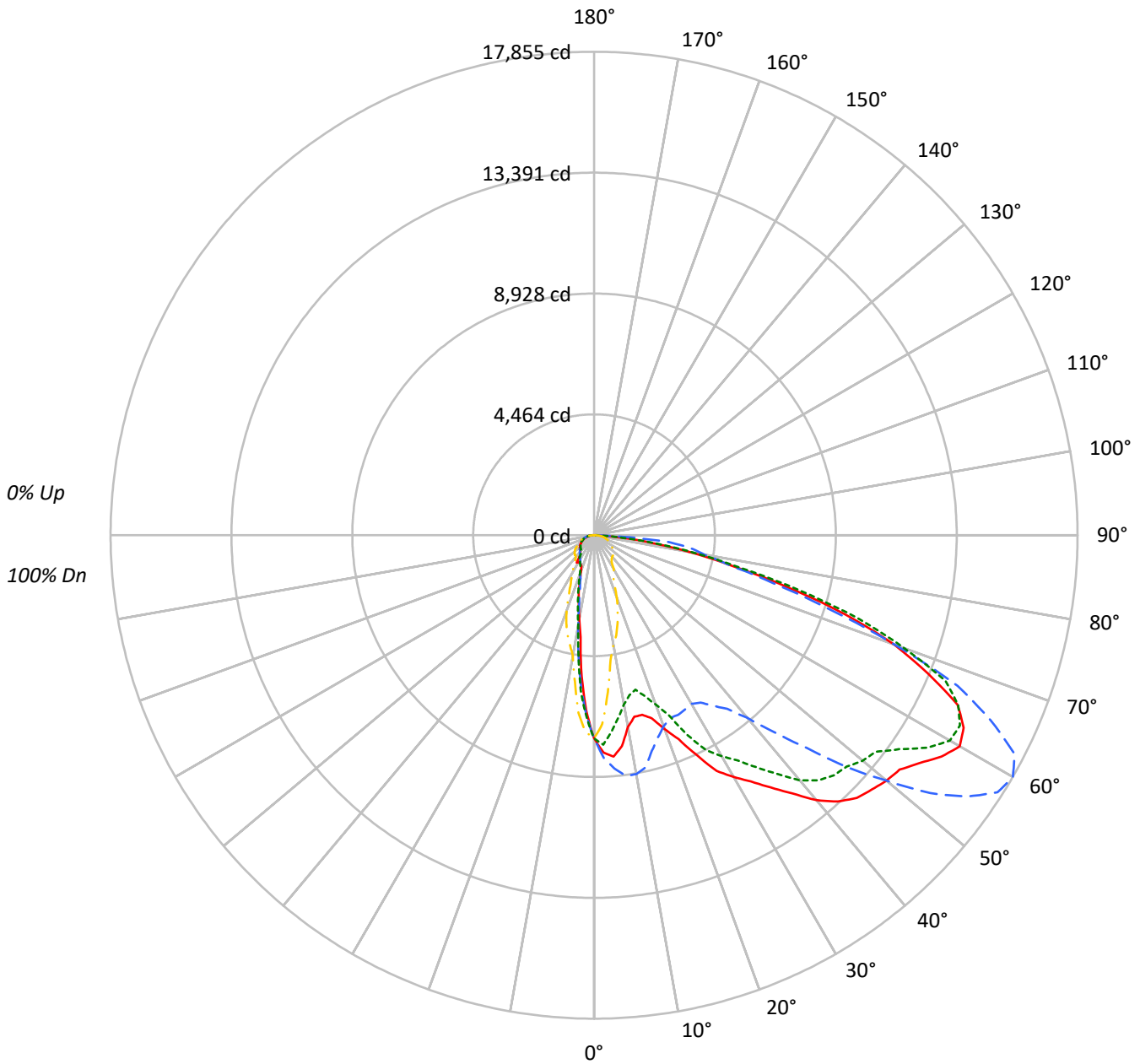
Lumens per Lamp: N/A  
 Luminaire Lumens: 23483.5 lumens  
 Efficiency: N/A  
 Efficacy: 123.9 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 189.6  
 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°

TEST NUMBER: P599032

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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	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°	53823	53823	53823	53823
5°	59132	52528	37670	41122
10°	52376	46228	22848	24518
15°	51001	43881	16175	16794
20°	58153	50754	10580	11695
25°	70852	64336	9238	9568
30°	85370	78032	9581	8891
35°	99562	91623	7939	7483
40°	119639	110661	7416	7026
45°	139231	127180	7506	6977
50°	157350	144558	7675	7211
55°	183505	172296	7951	7559
60°	223815	217685	7924	7924
65°	251529	251882	8137	8490
70°	247199	255942	8525	8743
75°	203912	217489	8953	9532
80°	147227	154546	9901	10331
85°	81478	87489	11148	13725

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	582.7	2.5
10°-20°	1230.2	5.2
20°-30°	1800.0	7.7
30°-40°	2536.1	10.8
40°-50°	3485.3	14.8
50°-60°	4750.1	20.2
60°-70°	5198.8	22.1
70°-80°	3001.4	12.8
80°-90°	898.8	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
<b>0°-30°</b>	<b>3612.9</b>	<b>15.4</b>
<b>0°-40°</b>	<b>6149.0</b>	<b>26.2</b>
<b>0°-60°</b>	<b>14384.4</b>	<b>61.3</b>
<b>0°-90°</b>	<b>23483.5</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>23483.5</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7500	7500	7500	7500	7500	
5°	8209	7292	5230	5709	8209	745
15°	6865	5907	2177	2261	6865	2006
25°	8948	8126	1167	1208	8948	4190
35°	11365	10459	906	854	11365	7207
45°	13720	12532	740	688	13720	10545
55°	14668	13772	636	604	14668	13234
65°	14814	14834	479	500	14814	14178
75°	7355	7844	323	344	7355	7900
85°	990	1063	135	167	990	1373
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°	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5
2.5°	8031.8	8000.5	8031.8	8146.4	8177.6	8229.7	8229.7	8156.8	8021.4	7958.9	7854.7
5°	8208.9	8156.8	8417.2	8656.8	8844.3	8823.5	8646.4	8500.6	8229.7	7823.4	7438.0
7.5°	7854.7	7906.8	8094.3	8719.3	9156.8	9240.2	8958.9	8667.2	8083.9	7521.3	7000.5
10°	7188.0	7260.9	7667.2	8313.0	9000.6	9136.0	8958.9	8604.7	7906.8	7208.8	6604.6
12.5°	6865.0	7031.7	7271.3	8052.6	8542.2	8865.2	8781.8	8552.6	7771.3	6948.4	6365.0
15°	6865.0	6906.7	7260.9	7917.2	8198.5	8208.9	8240.1	8281.8	7813.0	7063.0	6281.7
17.5°	7083.8	7198.4	7500.5	7906.8	7958.9	7833.8	7833.8	8010.9	7896.3	7385.9	6583.8
20°	7615.1	7573.4	7969.3	8135.9	7854.7	7542.2	7510.9	7813.0	7990.1	7729.7	7135.9
22.5°	8146.4	8333.9	8656.8	8281.8	7760.9	7344.2	7302.6	7677.6	8271.4	8323.5	7771.3
25°	8948.5	9136.0	9302.7	8844.3	7750.5	7292.1	7323.4	7615.1	8615.1	9167.3	8833.9
27.5°	9813.1	9927.7	10167.3	9459.0	8000.5	7229.6	7260.9	7698.4	8938.1	9719.4	9667.3
30°	10302.8	10427.8	10375.7	9573.5	8167.2	7271.3	7188.0	7813.0	8761.0	9719.4	10209.0
32.5°	10782.0	10709.0	10677.8	9761.1	8375.5	7531.7	7323.4	8052.6	8865.2	9875.6	10907.0
35°	11365.3	11261.2	11177.8	10125.7	8719.3	7781.8	7688.0	8365.1	9094.3	10198.6	11469.5
37.5°	12011.2	12011.2	11604.9	10396.5	9125.6	8188.0	8083.9	8813.1	9459.0	10396.5	12240.4
40°	12771.7	12802.9	12084.1	10761.1	9584.0	8833.9	8802.7	9396.4	9813.1	10688.2	12980.0
42.5°	13334.2	13355.0	12500.8	10896.5	10115.2	9729.8	9865.2	10334.0	10219.4	10948.6	13032.1
45°	13719.6	13615.5	12792.5	11282.0	10698.6	11073.6	11115.3	11250.7	10750.7	11104.9	13240.4
47.5°	13907.2	13886.3	12917.5	11729.9	11927.9	12438.3	12677.9	12490.4	11240.3	10938.2	13240.4
50°	14094.7	13917.6	13032.1	12344.6	13125.9	14157.2	14105.1	13761.3	11917.4	11146.6	13042.5
52.5°	14219.7	14063.4	13261.3	12896.7	14271.8	15438.5	15646.9	15011.4	12709.2	11532.0	13136.3
55°	14667.6	14542.6	13948.8	13646.7	15594.8	16792.8	16824.0	15938.5	13542.6	12167.5	13750.9
57.5°	15209.3	15282.2	14896.8	14709.3	16605.3	17782.4	17667.8	16626.1	14250.9	12938.3	14459.3
60°	15594.8	15709.4	15615.6	15636.4	17105.3	18115.8	17855.3	17053.2	14771.8	13521.7	15323.9
62.5°	15386.4	15615.6	16001.0	15917.7	17126.1	17876.2	17511.6	16490.7	14834.3	14282.2	15980.2
65°	14813.5	14834.3	15584.4	16042.7	16188.6	16636.5	16157.3	15313.5	14188.4	14751.0	15886.5
67.5°	13344.6	13511.3	14188.4	15084.3	14469.7	14573.9	14532.2	13313.4	13209.2	14428.0	15167.7
70°	11782.0	11896.6	12636.2	13688.4	12219.5	11729.9	11823.7	10917.4	11344.5	13428.0	13719.6
72.5°	9740.2	9813.1	10656.9	11584.1	9802.7	8927.7	9146.4	8406.8	9011.0	11750.8	11573.7
75°	7354.6	7490.1	8146.4	9240.2	7219.2	6656.7	6875.4	6573.3	7135.9	9677.7	8979.8
77.5°	5229.5	5125.3	5937.9	7229.6	5427.4	5094.1	5114.9	5167.0	5771.2	8156.8	6448.3
80°	3562.7	3594.0	4323.2	5302.4	4260.7	4208.6	4156.5	4573.2	4844.1	6458.8	4687.8
82.5°	2114.7	2114.7	2916.9	3771.1	3364.8	3791.9	3552.3	3927.3	3791.9	4750.3	3073.1
85°	989.6	989.6	1500.1	2718.9	2604.3	3125.2	2656.4	2968.9	2802.3	3312.7	1385.5
87.5°	166.7	145.8	302.1	1333.4	1073.0	1218.8	479.2	1583.4	1760.5	2312.7	343.8
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°	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5
2.5°	7740.1	7667.2	7521.3	7333.8	7177.6	6979.6	6917.1	6781.7	6594.2	6573.3	6490.0
5°	7292.1	7042.1	6729.6	6344.2	6083.7	5812.9	5583.7	5448.3	5292.0	5271.2	5229.5
7.5°	6802.5	6490.0	5969.1	5510.8	5062.8	4635.7	4427.4	4166.9	3989.8	3854.4	3791.9
10°	6344.2	6052.5	5406.6	4781.6	4385.7	4104.4	3854.4	3583.6	3364.8	3198.1	3135.6
12.5°	6042.1	5698.3	5000.3	4406.5	4114.9	3791.9	3510.6	3219.0	2937.7	2718.9	2604.3
15°	5906.6	5583.7	4875.3	4219.0	3791.9	3344.0	3021.0	2729.3	2385.6	2229.3	2177.2
17.5°	6229.6	5750.4	4833.6	4000.3	3396.1	2885.6	2489.7	2177.2	1927.2	1770.9	1708.4
20°	6646.3	6052.5	4906.6	3739.8	3021.0	2448.1	2010.5	1677.2	1510.5	1395.9	1385.5
22.5°	7177.6	6500.4	5021.2	3552.3	2604.3	1968.9	1573.0	1375.1	1260.5	1250.1	1229.2
25°	8125.5	7313.0	5208.7	3302.3	2271.0	1625.1	1343.8	1229.2	1177.2	1145.9	1166.7
27.5°	8938.1	7844.3	5344.1	3146.0	2135.6	1531.4	1302.2	1177.2	1125.1	1114.7	1125.1
30°	9417.3	8333.9	5302.4	2854.4	1864.7	1458.4	1385.5	1343.8	1239.7	1156.3	1156.3
32.5°	9854.8	8646.4	5292.0	2593.9	1593.9	1218.8	1156.3	1125.1	1187.6	1229.2	1198.0
35°	10459.0	9136.0	5260.8	2448.1	1479.3	1125.1	1020.9	937.6	895.9	875.1	906.3
37.5°	11104.9	9469.4	5177.4	2427.2	1416.8	1073.0	989.6	906.3	864.6	843.8	833.4
40°	11813.3	9823.6	5083.7	2323.1	1385.5	1041.7	958.4	885.5	833.4	802.1	791.7
42.5°	12271.6	10104.8	4989.9	2271.0	1323.0	1020.9	927.1	864.6	812.6	770.9	770.9
45°	12532.1	10438.2	4896.2	2218.9	1250.1	1031.3	927.1	843.8	781.3	760.5	739.6
47.5°	12646.7	10688.2	4864.9	2135.6	1187.6	989.6	906.3	823.0	760.5	718.8	708.4
50°	12948.8	11219.5	4979.5	2073.1	1114.7	948.0	958.4	812.6	750.0	698.0	687.5
52.5°	13125.9	11646.6	5229.5	1979.3	1062.6	895.9	937.6	791.7	718.8	666.7	666.7
55°	13771.7	12355.0	5500.4	1906.4	1000.1	823.0	864.6	750.0	666.7	635.5	635.5
57.5°	14594.7	13105.0	5729.5	1875.1	958.4	770.9	770.9	729.2	635.5	593.8	583.4
60°	15167.7	13719.6	5865.0	1854.3	916.7	718.8	687.5	729.2	604.2	562.5	552.1
62.5°	15230.2	13365.5	5729.5	1843.9	906.3	666.7	625.0	698.0	573.0	531.3	510.5
65°	14834.3	12646.7	5354.5	1802.2	895.9	614.6	583.4	604.2	531.3	500.0	479.2
67.5°	14042.6	11479.9	4812.8	1781.4	885.5	573.0	531.3	520.9	489.6	458.4	437.5
70°	12198.7	9959.0	4177.4	1687.6	864.6	541.7	479.2	468.8	437.5	416.7	406.3
72.5°	10240.3	8146.4	3448.1	1562.6	823.0	489.6	437.5	416.7	406.3	375.0	364.6
75°	7844.3	6271.2	2760.6	1385.5	718.8	437.5	385.4	364.6	354.2	333.4	322.9
77.5°	5510.8	4667.0	2041.8	1125.1	604.2	395.9	343.8	322.9	312.5	281.3	281.3
80°	3739.8	3271.0	1385.5	781.3	468.8	322.9	302.1	281.3	260.4	239.6	239.6
82.5°	2323.1	2291.8	1000.1	510.5	343.8	260.4	239.6	239.6	208.3	187.5	187.5
85°	1062.6	1406.3	698.0	354.2	260.4	197.9	197.9	187.5	166.7	135.4	135.4
87.5°	333.4	468.8	364.6	156.3	145.8	114.6	114.6	104.2	104.2	83.3	83.3
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°	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5
2.5°	6573.3	6562.9	6562.9	6521.3	6625.4	6625.4	6687.9	6635.9	6667.1	6677.5	6760.9
5°	5219.1	5302.4	5364.9	5489.9	5562.9	5594.1	5594.1	5677.5	5646.2	5708.7	5833.7
7.5°	3823.2	3927.3	4114.9	4271.1	4396.1	4437.8	4427.4	4448.2	4479.5	4406.5	4427.4
10°	3094.0	3021.0	3083.5	3229.4	3344.0	3479.4	3375.2	3364.8	3396.1	3364.8	3427.3
12.5°	2583.5	2500.2	2448.1	2448.1	2531.4	2593.9	2562.7	2614.8	2729.3	2760.6	2833.5
15°	2093.9	2021.0	1979.3	1927.2	2010.5	2031.4	2062.6	2135.6	2218.9	2260.6	2343.9
17.5°	1677.2	1677.2	1677.2	1635.5	1666.8	1698.0	1708.4	1802.2	1812.6	1854.3	1885.5
20°	1375.1	1406.3	1458.4	1479.3	1510.5	1510.5	1489.7	1541.8	1500.1	1531.4	1552.2
22.5°	1239.7	1281.3	1302.2	1312.6	1354.3	1364.7	1312.6	1323.0	1333.4	1302.2	1312.6
25°	1166.7	1187.6	1166.7	1177.2	1187.6	1166.7	1177.2	1198.0	1187.6	1208.4	1198.0
27.5°	1135.5	1114.7	1104.2	1093.8	1093.8	1073.0	1083.4	1083.4	1104.2	1114.7	1114.7
30°	1135.5	1104.2	1062.6	1031.3	1031.3	1000.1	1020.9	1041.7	1052.2	1073.0	1073.0
32.5°	1166.7	1104.2	1031.3	1000.1	968.8	948.0	968.8	1000.1	1041.7	1052.2	1062.6
35°	927.1	958.4	948.0	906.3	895.9	895.9	885.5	885.5	854.2	854.2	843.8
37.5°	833.4	823.0	843.8	854.2	864.6	833.4	833.4	791.7	781.3	791.7	791.7
40°	781.3	781.3	781.3	812.6	823.0	802.1	770.9	750.0	750.0	750.0	760.5
42.5°	760.5	739.6	729.2	750.0	781.3	760.5	729.2	718.8	718.8	729.2	729.2
45°	729.2	718.8	708.4	698.0	739.6	708.4	698.0	687.5	687.5	687.5	698.0
47.5°	698.0	687.5	666.7	666.7	677.1	666.7	656.3	656.3	656.3	677.1	677.1
50°	677.1	666.7	645.9	645.9	645.9	645.9	635.5	635.5	635.5	645.9	656.3
52.5°	645.9	635.5	625.0	614.6	614.6	614.6	614.6	614.6	614.6	625.0	635.5
55°	614.6	604.2	593.8	593.8	604.2	604.2	593.8	604.2	593.8	604.2	614.6
57.5°	583.4	573.0	562.5	573.0	583.4	573.0	573.0	573.0	573.0	573.0	583.4
60°	541.7	541.7	541.7	541.7	562.5	562.5	562.5	562.5	541.7	552.1	562.5
62.5°	520.9	510.5	510.5	520.9	531.3	531.3	541.7	531.3	520.9	531.3	531.3
65°	479.2	479.2	479.2	489.6	489.6	500.0	500.0	500.0	489.6	500.0	500.0
67.5°	447.9	447.9	447.9	447.9	468.8	468.8	468.8	468.8	458.4	458.4	468.8
70°	395.9	406.3	395.9	416.7	437.5	427.1	437.5	437.5	427.1	416.7	437.5
72.5°	364.6	364.6	364.6	364.6	395.9	395.9	395.9	406.3	395.9	385.4	395.9
75°	322.9	322.9	322.9	333.4	354.2	354.2	354.2	354.2	354.2	343.8	343.8
77.5°	281.3	291.7	281.3	291.7	312.5	302.1	312.5	322.9	312.5	302.1	302.1
80°	239.6	239.6	239.6	250.0	260.4	260.4	260.4	270.9	260.4	250.0	250.0
82.5°	187.5	187.5	197.9	197.9	208.3	208.3	208.3	218.8	208.3	197.9	197.9
85°	145.8	145.8	145.8	156.3	156.3	166.7	166.7	177.1	177.1	166.7	166.7
87.5°	93.8	83.3	93.8	93.8	104.2	104.2	93.8	83.3	93.8	83.3	72.9
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: P599032  
 CATALOG NUMBER: IFLD-S-SA6A-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5	7500.5
2.5°	6844.2	7031.7	7167.1	7260.9	7396.3	7656.8	7760.9	7948.4	8000.5	8031.8
5°	5885.8	6083.7	6375.4	6583.8	6823.4	7313.0	7688.0	7969.3	8094.3	8208.9
7.5°	4614.9	4875.3	5177.4	5448.3	5844.1	6448.3	6938.0	7521.3	7740.1	7854.7
10°	3604.4	3844.0	4177.4	4510.7	5062.8	5573.3	6271.2	6802.5	7104.6	7188.0
12.5°	3041.9	3323.1	3719.0	4125.3	4469.0	5052.4	5760.8	6531.7	6812.9	6865.0
15°	2583.5	2968.9	3375.2	3791.9	4187.8	4698.2	5458.7	6396.3	6812.9	6865.0
17.5°	2135.6	2479.3	2958.5	3406.5	3864.8	4562.8	5510.8	6510.8	6927.5	7083.8
20°	1698.0	2031.4	2406.4	2968.9	3594.0	4333.6	5625.4	6896.3	7448.4	7615.1
22.5°	1406.3	1552.2	1916.8	2458.5	3198.1	4177.4	5740.0	7500.5	8083.9	8146.4
25°	1229.2	1333.4	1562.6	2073.1	2885.6	4073.2	6010.8	8198.5	8948.5	8948.5
27.5°	1145.9	1187.6	1343.8	1802.2	2666.8	3979.4	6281.7	8969.3	9667.3	9813.1
30°	1125.1	1229.2	1312.6	1604.3	2427.2	3719.0	6531.7	9573.5	10292.3	10302.8
32.5°	1104.2	1083.4	1145.9	1395.9	2135.6	3448.1	6740.0	10188.2	10750.7	10782.0
35°	864.6	906.3	1010.5	1229.2	1916.8	3250.2	6844.2	10521.5	11334.1	11365.3
37.5°	812.6	864.6	948.0	1135.5	1770.9	3083.5	6875.4	11167.4	11948.7	12011.2
40°	791.7	833.4	895.9	1052.2	1656.4	2875.2	6938.0	11834.1	12855.0	12771.7
42.5°	750.0	802.1	864.6	1010.5	1562.6	2718.9	6948.4	12198.7	13334.2	13334.2
45°	739.6	770.9	843.8	1010.5	1458.4	2583.5	6781.7	12563.3	13886.3	13719.6
47.5°	698.0	760.5	823.0	979.2	1333.4	2448.1	6583.8	12750.8	13959.2	13907.2
50°	687.5	750.0	854.2	927.1	1260.5	2385.6	6542.1	13219.6	14105.1	14094.7
52.5°	666.7	729.2	885.5	885.5	1166.7	2302.2	6740.0	13428.0	14136.3	14219.7
55°	635.5	729.2	823.0	812.6	1083.4	2198.1	6958.8	13969.7	14688.5	14667.6
57.5°	614.6	708.4	781.3	739.6	989.6	2125.1	7281.7	14490.5	15355.2	15209.3
60°	583.4	708.4	698.0	687.5	916.7	2062.6	7552.6	14594.7	15501.0	15594.8
62.5°	562.5	739.6	614.6	635.5	854.2	2031.4	7438.0	13813.4	15303.1	15386.4
65°	541.7	635.5	562.5	583.4	833.4	1968.9	6990.0	12875.8	14448.9	14813.5
67.5°	500.0	520.9	520.9	541.7	812.6	1823.0	6073.3	11188.2	13146.7	13344.6
70°	458.4	468.8	468.8	500.0	791.7	1656.4	5010.7	9677.7	11407.0	11782.0
72.5°	416.7	416.7	416.7	458.4	729.2	1520.9	4125.3	7438.0	9479.8	9740.2
75°	364.6	364.6	364.6	406.3	656.3	1385.5	3250.2	5531.6	6979.6	7354.6
77.5°	322.9	322.9	312.5	364.6	573.0	1125.1	2343.9	3906.5	4917.0	5229.5
80°	270.9	260.4	260.4	291.7	447.9	812.6	1510.5	2760.6	3427.3	3562.7
82.5°	218.8	208.3	197.9	218.8	322.9	510.5	937.6	1927.2	2198.1	2114.7
85°	208.3	218.8	177.1	166.7	229.2	333.4	593.8	1187.6	989.6	989.6
87.5°	83.3	72.9	72.9	62.5	114.6	125.0	260.4	218.8	166.7	166.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)