

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: P599035

Luminaire Tested: **IFLD-S-SA6D-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: P599035  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6D-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**

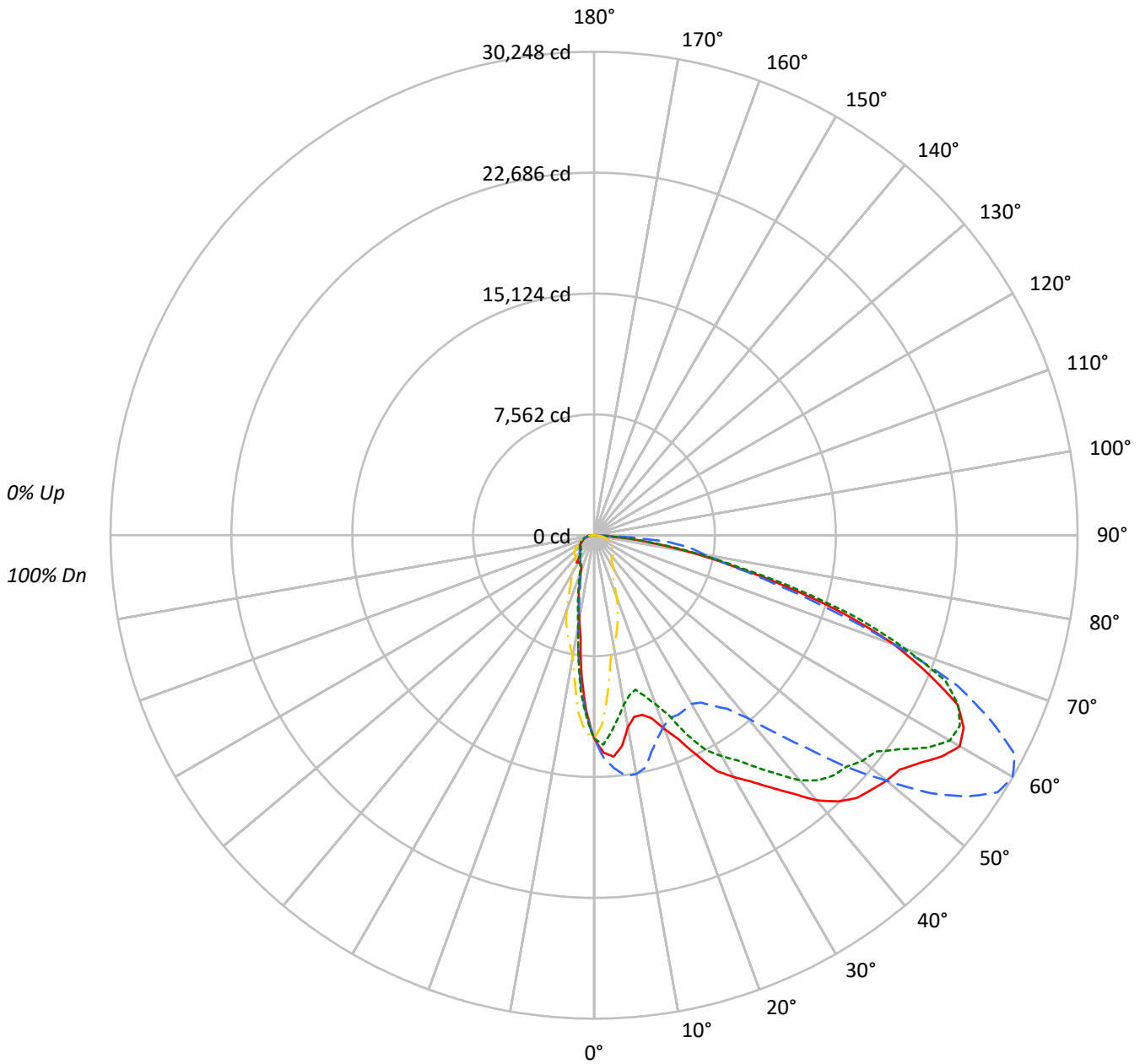
Lumens per Lamp: N/A  
 Luminaire Lumens: 39781.8 lumens  
 Efficiency: N/A  
 Efficacy: 108.0 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 368.2  
 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	
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77			77	
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60			60	
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47			47	
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38			38	
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31			31	
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26			26	
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22			22	
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19			19	
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17			17	
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15			15	

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

	0°	90°	180°	270°
0°	91178	91178	91178	91178
5°	100171	88984	63815	69661
10°	88727	78311	38705	41535
15°	86397	74335	27401	28450
20°	98512	85979	17924	19811
25°	120026	108987	15649	16208
30°	144618	132189	16232	15062
35°	168662	155213	13450	12677
40°	202672	187464	12564	11902
45°	235862	215446	12716	11820
50°	266555	244884	13002	12214
55°	310863	291876	13468	12805
60°	379148	368765	13423	13423
65°	426098	426697	13784	14384
70°	418763	433573	14439	14811
75°	345435	368430	15169	16147
80°	249411	261808	16774	17501
85°	138034	148202	18888	23251

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	987.1	2.5
10°-20°	2084.1	5.2
20°-30°	3049.2	7.7
30°-40°	4296.2	10.8
40°-50°	5904.3	14.8
50°-60°	8046.8	20.2
60°-70°	8806.9	22.1
70°-80°	5084.6	12.8
80°-90°	1522.6	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°	6120.4	15.4
0°-40°	10416.6	26.2
0°-60°	24367.7	61.3
0°-90°	39781.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	39781.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	12706	12706	12706	12706	12706	
5°	13906	12353	8859	9671	13906	1263
15°	11630	10006	3688	3830	11630	3398
25°	15159	13765	1976	2047	15159	7098
35°	19253	17718	1535	1447	19253	12208
45°	23242	21230	1253	1165	23242	17863
55°	24847	23330	1076	1024	24847	22420
65°	25094	25130	812	847	25094	24018
75°	12459	13288	547	582	12459	13383
85°	1676	1800	229	282	1676	2326
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°	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1
2.5°	13606.1	13553.1	13606.1	13800.2	13853.2	13941.4	13941.4	13817.9	13588.4	13482.6	13306.1
5°	13906.1	13817.9	14259.0	14664.9	14982.6	14947.3	14647.3	14400.2	13941.4	13253.1	12600.2
7.5°	13306.1	13394.3	13712.0	14770.8	15512.0	15653.2	15176.7	14682.6	13694.3	12741.4	11859.0
10°	12176.7	12300.2	12988.4	14082.6	15247.3	15476.7	15176.7	14576.7	13394.3	12211.9	11188.4
12.5°	11629.6	11911.9	12317.8	13641.4	14470.8	15017.9	14876.7	14488.5	13164.9	11770.8	10782.5
15°	11629.6	11700.2	12300.2	13412.0	13888.4	13906.1	13959.0	14029.6	13235.5	11964.9	10641.3
17.5°	12000.2	12194.3	12706.1	13394.3	13482.6	13270.8	13270.8	13570.8	13376.7	12512.0	11153.1
20°	12900.2	12829.6	13500.2	13782.6	13306.1	12776.7	12723.7	13235.5	13535.5	13094.3	12088.4
22.5°	13800.2	14117.9	14664.9	14029.6	13147.3	12441.4	12370.8	13006.1	14012.0	14100.2	13164.9
25°	15159.1	15476.7	15759.1	14982.6	13129.6	12353.1	12406.1	12900.2	14594.3	15529.6	14964.9
27.5°	16623.8	16817.9	17223.8	16023.8	13553.1	12247.2	12300.2	13041.4	15141.4	16465.0	16376.7
30°	17453.2	17665.0	17576.7	16217.9	13835.5	12317.8	12176.7	13235.5	14841.4	16465.0	17294.4
32.5°	18265.0	18141.5	18088.5	16535.5	14188.4	12759.0	12406.1	13641.4	15017.9	16729.7	18476.7
35°	19253.2	19076.8	18935.6	17153.2	14770.8	13182.6	13023.7	14170.8	15406.1	17276.7	19429.7
37.5°	20347.4	20347.4	19659.1	17612.0	15459.1	13870.8	13694.3	14929.6	16023.8	17612.0	20735.6
40°	21635.6	21688.6	20470.9	18229.7	16235.5	14964.9	14912.0	15917.9	16623.8	18106.2	21988.6
42.5°	22588.6	22623.9	21176.8	18459.1	17135.6	16482.6	16712.0	17506.1	17312.0	18547.3	22076.8
45°	23241.5	23065.1	21670.9	19112.1	18123.8	18759.1	18829.7	19059.1	18212.0	18812.0	22429.7
47.5°	23559.2	23523.9	21882.7	19870.9	20206.2	21070.9	21476.8	21159.1	19041.5	18529.7	22429.7
50°	23876.8	23576.8	22076.8	20912.1	22235.6	23982.7	23894.5	23312.1	20188.5	18882.6	22094.5
52.5°	24088.6	23823.9	22465.0	21847.4	24176.8	26153.3	26506.3	25429.8	21529.7	19535.6	22253.3
55°	24847.4	24635.7	23629.8	23118.0	26418.0	28447.5	28500.4	27000.4	22941.5	20612.1	23294.5
57.5°	25765.1	25888.6	25235.7	24918.0	28129.8	30124.0	29929.9	28165.1	24141.5	21918.0	24494.5
60°	26418.0	26612.2	26453.3	26488.6	28976.9	30688.7	30247.5	28888.7	25023.9	22906.2	25959.2
62.5°	26065.1	26453.3	27106.3	26965.1	29012.2	30282.8	29665.2	27935.7	25129.8	24194.5	27071.0
65°	25094.5	25129.8	26400.4	27176.9	27423.9	28182.8	27371.0	25941.6	24035.7	24988.6	26912.2
67.5°	22606.2	22888.6	24035.7	25553.3	24512.1	24688.6	24618.0	22553.3	22376.8	24441.5	25694.5
70°	19959.1	20153.2	21406.2	23188.6	20700.3	19870.9	20029.7	18494.4	19217.9	22747.4	23241.5
72.5°	16500.2	16623.8	18053.2	19623.8	16606.1	15123.8	15494.4	14241.4	15264.9	19906.2	19606.2
75°	12459.0	12688.4	13800.2	15653.2	12229.6	11276.6	11647.2	11135.5	12088.4	16394.4	15212.0
77.5°	8859.0	8682.5	10059.0	12247.2	9194.3	8629.5	8664.8	8753.1	9776.6	13817.9	10923.7
80°	6035.4	6088.3	7323.6	8982.5	7217.8	7129.5	7041.3	7747.2	8206.0	10941.3	7941.3
82.5°	3582.4	3582.4	4941.3	6388.3	5700.1	6423.6	6017.7	6653.0	6423.6	8047.2	5206.0
85°	1676.5	1676.5	2541.2	4606.0	4411.8	5294.2	4500.1	5029.5	4747.1	5611.8	2347.1
87.5°	282.4	247.1	511.8	2258.9	1817.7	2064.7	811.8	2682.4	2982.4	3917.7	582.4
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°	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1
2.5°	13112.0	12988.4	12741.4	12423.7	12159.0	11823.7	11717.8	11488.4	11170.8	11135.5	10994.3
5°	12353.1	11929.6	11400.2	10747.2	10306.0	9847.2	9459.0	9229.6	8964.8	8929.5	8859.0
7.5°	11523.7	10994.3	10111.9	9335.4	8576.6	7853.1	7500.1	7058.9	6758.9	6529.5	6423.6
10°	10747.2	10253.1	9159.0	8100.1	7429.5	6953.0	6529.5	6070.7	5700.1	5417.7	5311.8
12.5°	10235.4	9653.1	8470.7	7464.8	6970.7	6423.6	5947.1	5453.0	4976.5	4606.0	4411.8
15°	10006.0	9459.0	8258.9	7147.2	6423.6	5664.8	5117.7	4623.6	4041.2	3776.5	3688.3
17.5°	10553.1	9741.3	8188.4	6776.6	5753.0	4888.3	4217.7	3688.3	3264.8	3000.0	2894.2
20°	11259.0	10253.1	8311.9	6335.4	5117.7	4147.1	3405.9	2841.2	2558.9	2364.7	2347.1
22.5°	12159.0	11011.9	8506.0	6017.7	4411.8	3335.3	2664.7	2329.4	2135.3	2117.7	2082.4
25°	13764.9	12388.4	8823.7	5594.2	3847.1	2753.0	2276.5	2082.4	1994.1	1941.2	1976.5
27.5°	15141.4	13288.4	9053.1	5329.5	3617.7	2594.2	2205.9	1994.1	1905.9	1888.3	1905.9
30°	15953.2	14117.9	8982.5	4835.4	3158.9	2470.6	2347.1	2276.5	2100.0	1958.9	1958.9
32.5°	16694.4	14647.3	8964.8	4394.2	2700.0	2064.7	1958.9	1905.9	2011.8	2082.4	2029.4
35°	17717.9	15476.7	8911.9	4147.1	2505.9	1905.9	1729.4	1588.3	1517.7	1482.4	1535.3
37.5°	18812.0	16041.4	8770.7	4111.8	2400.0	1817.7	1676.5	1535.3	1464.7	1429.4	1411.8
40°	20012.1	16641.4	8611.9	3935.4	2347.1	1764.7	1623.6	1500.0	1411.8	1358.8	1341.2
42.5°	20788.5	17117.9	8453.1	3847.1	2241.2	1729.4	1570.6	1464.7	1376.5	1305.9	1305.9
45°	21229.7	17682.6	8294.2	3758.9	2117.7	1747.1	1570.6	1429.4	1323.5	1288.3	1253.0
47.5°	21423.9	18106.2	8241.3	3617.7	2011.8	1676.5	1535.3	1394.1	1288.3	1217.7	1200.0
50°	21935.6	19006.2	8435.4	3511.8	1888.3	1605.9	1623.6	1376.5	1270.6	1182.4	1164.7
52.5°	22235.6	19729.7	8859.0	3353.0	1800.0	1517.7	1588.3	1341.2	1217.7	1129.4	1129.4
55°	23329.8	20929.7	9317.8	3229.5	1694.1	1394.1	1464.7	1270.6	1129.4	1076.5	1076.5
57.5°	24723.9	22200.3	9706.0	3176.5	1623.6	1305.9	1305.9	1235.3	1076.5	1005.9	988.3
60°	25694.5	23241.5	9935.4	3141.2	1553.0	1217.7	1164.7	1235.3	1023.5	953.0	935.3
62.5°	25800.4	22641.5	9706.0	3123.6	1535.3	1129.4	1058.8	1182.4	970.6	900.0	864.7
65°	25129.8	21423.9	9070.7	3053.0	1517.7	1041.2	988.3	1023.5	900.0	847.1	811.8
67.5°	23788.6	19447.4	8153.1	3017.7	1500.0	970.6	900.0	882.4	829.4	776.5	741.2
70°	20665.0	16870.8	7076.6	2858.9	1464.7	917.7	811.8	794.1	741.2	705.9	688.2
72.5°	17347.3	13800.2	5841.3	2647.1	1394.1	829.4	741.2	705.9	688.2	635.3	617.7
75°	13288.4	10623.7	4676.5	2347.1	1217.7	741.2	653.0	617.7	600.0	564.7	547.1
77.5°	9335.4	7906.0	3458.9	1905.9	1023.5	670.6	582.4	547.1	529.4	476.5	476.5
80°	6335.4	5541.3	2347.1	1323.5	794.1	547.1	511.8	476.5	441.2	405.9	405.9
82.5°	3935.4	3882.4	1694.1	864.7	582.4	441.2	405.9	405.9	352.9	317.7	317.7
85°	1800.0	2382.4	1182.4	600.0	441.2	335.3	335.3	317.7	282.4	229.4	229.4
87.5°	564.7	794.1	617.7	264.7	247.1	194.1	194.1	176.5	176.5	141.2	141.2
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1
2.5°	11135.5	11117.8	11117.8	11047.2	11223.7	11223.7	11329.6	11241.3	11294.3	11311.9	11453.1
5°	8841.3	8982.5	9088.4	9300.1	9423.7	9476.6	9476.6	9617.8	9564.9	9670.7	9882.5
7.5°	6476.6	6653.0	6970.7	7235.4	7447.2	7517.8	7500.1	7535.4	7588.3	7464.8	7500.1
10°	5241.3	5117.7	5223.6	5470.7	5664.8	5894.2	5717.7	5700.1	5753.0	5700.1	5806.0
12.5°	4376.5	4235.4	4147.1	4147.1	4288.3	4394.2	4341.2	4429.5	4623.6	4676.5	4800.1
15°	3547.1	3423.6	3353.0	3264.8	3405.9	3441.2	3494.2	3617.7	3758.9	3829.5	3970.6
17.5°	2841.2	2841.2	2841.2	2770.6	2823.6	2876.5	2894.2	3053.0	3070.6	3141.2	3194.2
20°	2329.4	2382.4	2470.6	2505.9	2558.9	2558.9	2523.6	2611.8	2541.2	2594.2	2629.5
22.5°	2100.0	2170.6	2205.9	2223.6	2294.2	2311.8	2223.6	2241.2	2258.9	2205.9	2223.6
25°	1976.5	2011.8	1976.5	1994.1	2011.8	1976.5	1994.1	2029.4	2011.8	2047.1	2029.4
27.5°	1923.6	1888.3	1870.6	1853.0	1853.0	1817.7	1835.3	1835.3	1870.6	1888.3	1888.3
30°	1923.6	1870.6	1800.0	1747.1	1747.1	1694.1	1729.4	1764.7	1782.4	1817.7	1817.7
32.5°	1976.5	1870.6	1747.1	1694.1	1641.2	1605.9	1641.2	1694.1	1764.7	1782.4	1800.0
35°	1570.6	1623.6	1605.9	1535.3	1517.7	1517.7	1500.0	1500.0	1447.1	1447.1	1429.4
37.5°	1411.8	1394.1	1429.4	1447.1	1464.7	1411.8	1411.8	1341.2	1323.5	1341.2	1341.2
40°	1323.5	1323.5	1323.5	1376.5	1394.1	1358.8	1305.9	1270.6	1270.6	1270.6	1288.3
42.5°	1288.3	1253.0	1235.3	1270.6	1323.5	1288.3	1235.3	1217.7	1217.7	1235.3	1235.3
45°	1235.3	1217.7	1200.0	1182.4	1253.0	1200.0	1182.4	1164.7	1164.7	1164.7	1182.4
47.5°	1182.4	1164.7	1129.4	1129.4	1147.1	1129.4	1111.8	1111.8	1111.8	1147.1	1147.1
50°	1147.1	1129.4	1094.1	1094.1	1094.1	1094.1	1076.5	1076.5	1076.5	1094.1	1111.8
52.5°	1094.1	1076.5	1058.8	1041.2	1041.2	1041.2	1041.2	1041.2	1041.2	1058.8	1076.5
55°	1041.2	1023.5	1005.9	1005.9	1023.5	1023.5	1005.9	1023.5	1005.9	1023.5	1041.2
57.5°	988.3	970.6	953.0	970.6	988.3	970.6	970.6	970.6	970.6	970.6	988.3
60°	917.7	917.7	917.7	917.7	953.0	953.0	953.0	953.0	917.7	935.3	953.0
62.5°	882.4	864.7	864.7	882.4	900.0	900.0	917.7	900.0	882.4	900.0	900.0
65°	811.8	811.8	811.8	829.4	829.4	847.1	847.1	847.1	829.4	847.1	847.1
67.5°	758.8	758.8	758.8	758.8	794.1	794.1	794.1	794.1	776.5	776.5	794.1
70°	670.6	688.2	670.6	705.9	741.2	723.5	741.2	741.2	723.5	705.9	741.2
72.5°	617.7	617.7	617.7	617.7	670.6	670.6	670.6	688.2	670.6	653.0	670.6
75°	547.1	547.1	547.1	564.7	600.0	600.0	600.0	600.0	600.0	582.4	582.4
77.5°	476.5	494.1	476.5	494.1	529.4	511.8	529.4	547.1	529.4	511.8	511.8
80°	405.9	405.9	405.9	423.5	441.2	441.2	441.2	458.8	441.2	423.5	423.5
82.5°	317.7	317.7	335.3	335.3	352.9	352.9	352.9	370.6	352.9	335.3	335.3
85°	247.1	247.1	247.1	264.7	264.7	282.4	282.4	300.0	300.0	282.4	282.4
87.5°	158.8	141.2	158.8	158.8	176.5	176.5	158.8	141.2	158.8	141.2	123.5
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: P599035  
 CATALOG NUMBER: IFLD-S-SA6D-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1	12706.1
2.5°	11594.3	11911.9	12141.4	12300.2	12529.6	12970.8	13147.3	13464.9	13553.1	13606.1
5°	9970.7	10306.0	10800.2	11153.1	11559.0	12388.4	13023.7	13500.2	13712.0	13906.1
7.5°	7817.8	8258.9	8770.7	9229.6	9900.1	10923.7	11753.1	12741.4	13112.0	13306.1
10°	6106.0	6511.9	7076.6	7641.3	8576.6	9441.3	10623.7	11523.7	12035.5	12176.7
12.5°	5153.0	5629.5	6300.1	6988.3	7570.7	8559.0	9759.0	11064.9	11541.4	11629.6
15°	4376.5	5029.5	5717.7	6423.6	7094.2	7958.9	9247.2	10835.5	11541.4	11629.6
17.5°	3617.7	4200.1	5011.8	5770.7	6547.2	7729.5	9335.4	11029.6	11735.5	12000.2
20°	2876.5	3441.2	4076.5	5029.5	6088.3	7341.3	9529.6	11682.5	12617.8	12900.2
22.5°	2382.4	2629.5	3247.1	4164.8	5417.7	7076.6	9723.7	12706.1	13694.3	13800.2
25°	2082.4	2258.9	2647.1	3511.8	4888.3	6900.1	10182.5	13888.4	15159.1	15159.1
27.5°	1941.2	2011.8	2276.5	3053.0	4517.7	6741.3	10641.3	15194.3	16376.7	16623.8
30°	1905.9	2082.4	2223.6	2717.7	4111.8	6300.1	11064.9	16217.9	17435.6	17453.2
32.5°	1870.6	1835.3	1941.2	2364.7	3617.7	5841.3	11417.8	17259.1	18212.0	18265.0
35°	1464.7	1535.3	1711.8	2082.4	3247.1	5506.0	11594.3	17823.8	19200.3	19253.2
37.5°	1376.5	1464.7	1605.9	1923.6	3000.0	5223.6	11647.2	18917.9	20241.5	20347.4
40°	1341.2	1411.8	1517.7	1782.4	2805.9	4870.7	11753.1	20047.4	21776.8	21635.6
42.5°	1270.6	1358.8	1464.7	1711.8	2647.1	4606.0	11770.8	20665.0	22588.6	22588.6
45°	1253.0	1305.9	1429.4	1711.8	2470.6	4376.5	11488.4	21282.7	23523.9	23241.5
47.5°	1182.4	1288.3	1394.1	1658.8	2258.9	4147.1	11153.1	21600.3	23647.4	23559.2
50°	1164.7	1270.6	1447.1	1570.6	2135.3	4041.2	11082.5	22394.5	23894.5	23876.8
52.5°	1129.4	1235.3	1500.0	1500.0	1976.5	3900.1	11417.8	22747.4	23947.4	24088.6
55°	1076.5	1235.3	1394.1	1376.5	1835.3	3723.6	11788.4	23665.1	24882.7	24847.4
57.5°	1041.2	1200.0	1323.5	1253.0	1676.5	3600.1	12335.5	24547.4	26012.2	25765.1
60°	988.3	1200.0	1182.4	1164.7	1553.0	3494.2	12794.3	24723.9	26259.2	26418.0
62.5°	953.0	1253.0	1041.2	1076.5	1447.1	3441.2	12600.2	23400.4	25923.9	26065.1
65°	917.7	1076.5	953.0	988.3	1411.8	3335.3	11841.4	21812.1	24476.8	25094.5
67.5°	847.1	882.4	882.4	917.7	1376.5	3088.3	10288.4	18953.2	22270.9	22606.2
70°	776.5	794.1	794.1	847.1	1341.2	2805.9	8488.4	16394.4	19323.8	19959.1
72.5°	705.9	705.9	705.9	776.5	1235.3	2576.5	6988.3	12600.2	16059.1	16500.2
75°	617.7	617.7	617.7	688.2	1111.8	2347.1	5506.0	9370.7	11823.7	12459.0
77.5°	547.1	547.1	529.4	617.7	970.6	1905.9	3970.6	6617.7	8329.5	8859.0
80°	458.8	441.2	441.2	494.1	758.8	1376.5	2558.9	4676.5	5806.0	6035.4
82.5°	370.6	352.9	335.3	370.6	547.1	864.7	1588.3	3264.8	3723.6	3582.4
85°	352.9	370.6	300.0	282.4	388.2	564.7	1005.9	2011.8	1676.5	1676.5
87.5°	141.2	123.5	123.5	105.9	194.1	211.8	441.2	370.6	282.4	282.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)