

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: P599430

Luminaire Tested: **IFLD-S-SA2C-730-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

**Test Information**

Test Method: LM-79-08  
 Report Number: P599430  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA2C-730-U-SLL-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield  
 Light Source: (32) 3000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

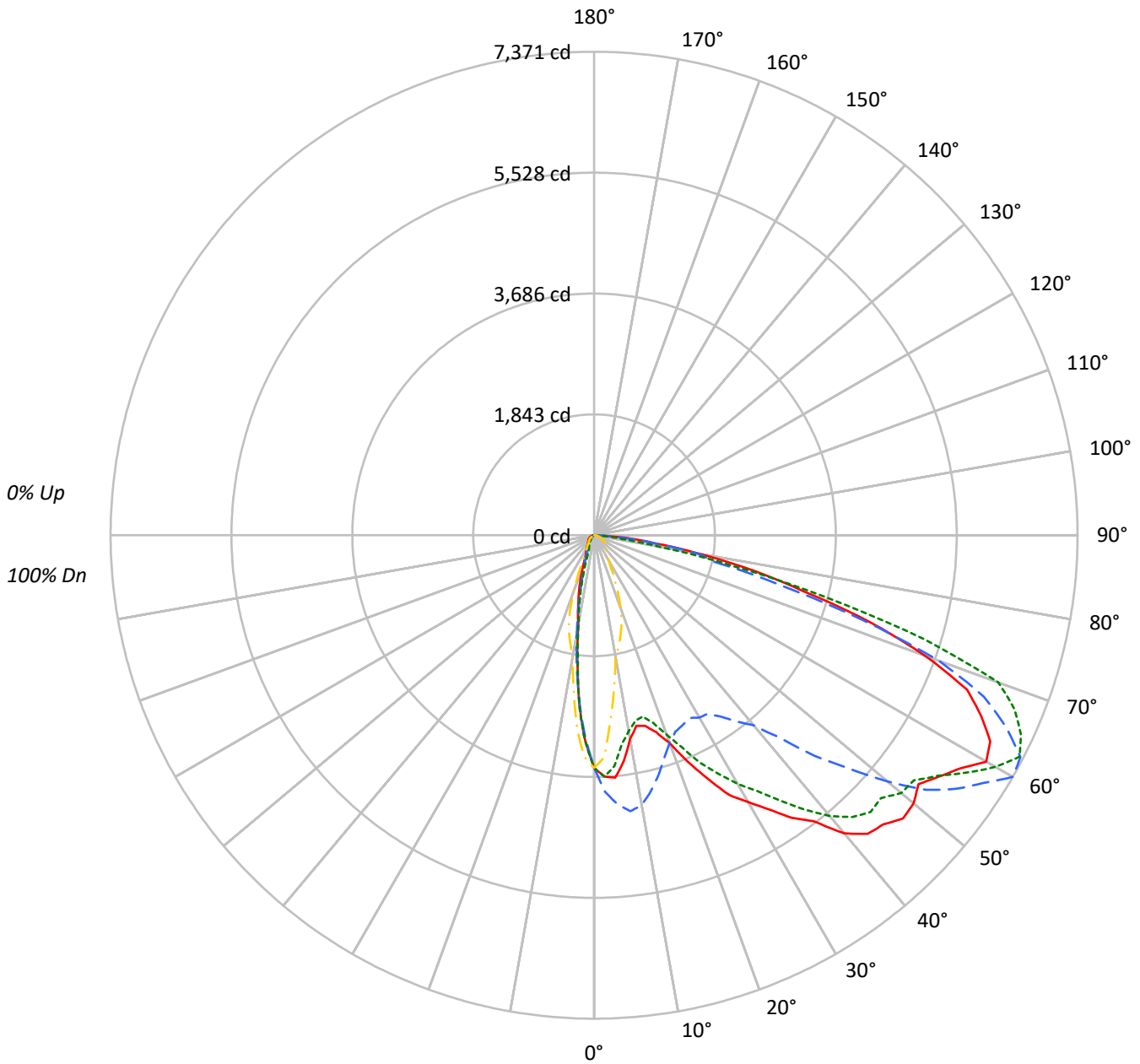
Lumens per Lamp: N/A  
 Luminaire Lumens: 9426.7 lumens  
 Efficiency: N/A  
 Efficacy: 87.1 lumens/watt  
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63  
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 108.2  
 Input Voltage (V): 120  
 Input Current (A<sub>in</sub>): 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: P599430  
CATALOG NUMBER: IFLD-S-SA2C-730-U-SLL-HSS

### Luminous Intensity Polar Plot



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

TEST NUMBER: P599430  
 CATALOG NUMBER: IFLD-S-SA2C-730-U-SLL-HSS

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	79	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61	61	61	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	48	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39	39	39	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	32	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27	27	27	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	23	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20	20	20	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16

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

	0°	90°	180°	270°
0°	76303	76303	76303	76303
5°	80184	76322	55758	56085
10°	68951	66310	30486	29771
15°	67045	63735	19804	14924
20°	77278	74048	10612	5306
25°	97165	90887	6877	4126
30°	116704	108757	5568	3378
35°	138202	129666	4565	2712
40°	166741	156978	4033	2051
45°	189836	181558	3754	1379
50°	212961	204699	3711	844
55°	240832	239984	3686	379
60°	297192	304236	3358	108
65°	331604	365713	3077	0
70°	338124	412756	2851	0
75°	275125	304445	2720	0
80°	200044	127334	2814	0
85°	129331	53476	3730	0

TEST NUMBER: P599430  
 CATALOG NUMBER: IFLD-S-SA2C-730-U-SLL-HSS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.3	2.9
10°-20°	528.0	5.6
20°-30°	730.7	7.8
30°-40°	1032.6	11.0
40°-50°	1406.0	14.9
50°-60°	1862.1	19.8
60°-70°	2162.1	22.9
70°-80°	1224.4	13.0
80°-90°	211.6	2.2
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°	1528.0	16.2
0°-40°	2560.6	27.2
0°-60°	5828.7	61.8
0°-90°	9426.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9426.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3544	3544	3544	3544	3544	
5°	3710	3532	2580	2595	3710	333
15°	3008	2860	889	670	3008	882
25°	4091	3826	290	174	4091	1908
35°	5259	4934	174	103	5259	3315
45°	6235	5964	123	45	6235	4834
55°	6417	6394	98	10	6417	5814
65°	6510	7179	60	0	6510	6346
75°	3308	3660	33	0	3308	3610
85°	524	216	15	0	524	629
90°	0	0	0	0	0	

TEST NUMBER: P599430  
 CATALOG NUMBER: IFLD-S-SA2C-730-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4
2.5°	3682.8	3760.9	3763.4	3798.6	3833.9	3833.9	3916.9	3896.8	3823.8	3811.2	3758.3
5°	3710.5	3738.2	3758.3	3937.1	4088.1	4073.0	4118.3	4088.1	3947.1	3765.9	3642.5
7.5°	3471.4	3501.6	3582.1	3886.7	4090.6	4158.6	4244.2	4055.4	3906.9	3579.6	3343.0
10°	3154.2	3212.1	3360.6	3708.0	3959.7	4176.2	4176.2	4025.2	3738.2	3418.5	3129.0
12.5°	2978.0	3093.8	3174.3	3526.8	3854.0	4002.5	3997.5	3916.9	3730.7	3327.9	3000.6
15°	3008.2	3040.9	3212.1	3486.5	3703.0	3695.4	3786.0	3760.9	3630.0	3408.4	3048.5
17.5°	3146.6	3197.0	3345.5	3486.5	3589.7	3559.5	3557.0	3677.8	3685.3	3544.4	3227.2
20°	3373.2	3521.7	3592.2	3635.0	3509.1	3380.7	3365.6	3534.3	3665.2	3718.1	3441.2
22.5°	3735.7	3833.9	3977.3	3758.3	3431.1	3270.0	3239.8	3426.1	3690.4	3924.5	3718.1
25°	4090.6	4166.1	4304.6	4022.7	3519.2	3247.3	3194.5	3355.6	3786.0	4211.5	4052.9
27.5°	4465.7	4531.2	4546.3	4216.5	3567.0	3202.0	3139.1	3355.6	3866.6	4362.5	4453.1
30°	4694.8	4772.8	4787.9	4387.7	3645.1	3239.8	3209.6	3370.7	3922.0	4490.9	4740.1
32.5°	4951.5	4971.7	4959.1	4417.9	3730.7	3350.5	3224.7	3471.4	3984.9	4644.4	5001.9
35°	5258.7	5293.9	5165.5	4556.3	3922.0	3421.0	3375.7	3594.7	4093.1	4714.9	5319.1
37.5°	5492.8	5603.5	5314.0	4609.2	3959.7	3569.5	3577.1	3851.5	4168.7	4800.5	5669.0
40°	5933.3	5747.0	5565.8	4790.4	4103.2	3821.3	3781.0	4115.8	4422.9	4855.9	5898.1
42.5°	6175.0	6076.8	5663.9	4808.1	4324.7	4168.7	4178.7	4415.4	4556.3	5012.0	5961.0
45°	6235.4	6132.2	5797.4	4820.6	4543.7	4579.0	4752.7	4798.0	4752.7	5115.2	6079.3
47.5°	6388.9	6164.9	5782.3	4989.3	4898.7	5034.6	5256.1	5354.3	5019.5	5077.4	6134.7
50°	6358.7	6230.3	5749.5	5059.8	5331.7	5691.6	5840.2	5799.9	5316.6	4999.4	6074.3
52.5°	6232.9	6094.4	5850.2	5251.1	5736.9	6172.4	6378.9	6278.2	5580.9	5175.6	6034.0
55°	6416.6	6310.9	5981.1	5510.4	6041.5	6595.4	6741.4	6665.8	5905.6	5339.2	6263.1
57.5°	6615.5	6592.8	6336.1	5815.0	6401.5	7030.8	7030.8	6937.7	6187.5	5575.8	6602.9
60°	6902.5	6952.8	6597.9	6016.4	6524.9	7005.7	7370.7	7262.4	6472.0	5991.2	6988.1
62.5°	6809.3	6970.4	6935.2	6449.3	6665.8	7129.0	7327.9	7408.4	6824.4	6497.2	7501.6
65°	6509.8	6680.9	6932.7	6733.8	6560.1	6829.5	6930.2	7174.3	7000.6	6972.9	7713.0
67.5°	6152.3	6338.6	6494.7	6925.1	6346.1	6524.9	6436.8	6514.8	6809.3	7494.0	7833.9
70°	5371.9	5550.7	5797.4	6499.7	5779.7	5618.6	5596.0	5558.2	6016.4	7307.7	7285.1
72.5°	4417.9	4500.9	4908.8	5283.8	4276.9	4246.7	4281.9	4239.1	4770.3	6615.5	6240.4
75°	3307.7	3390.8	3622.4	4057.9	2912.5	2738.8	2940.2	3139.1	3642.5	5135.3	4483.3
77.5°	2487.1	2592.8	2738.8	3035.9	2137.2	1865.3	1893.0	2081.8	2633.1	4113.3	2512.3
80°	1613.6	1601.0	1882.9	2089.4	1608.6	1658.9	1588.4	1726.9	1908.1	2200.1	1283.8
82.5°	931.4	944.0	1062.3	1198.2	1120.2	1281.3	923.9	1543.1	1361.9	896.2	478.3
85°	523.6	546.3	654.5	830.7	702.3	470.7	385.1	765.3	855.9	367.5	231.6
87.5°	52.9	45.3	88.1	314.7	191.3	78.0	115.8	183.8	206.4	138.5	68.0
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: P599430  
 CATALOG NUMBER: IFLD-S-SA2C-730-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4
2.5°	3682.8	3682.8	3619.9	3514.2	3471.4	3395.9	3292.6	3325.4	3290.1	3161.7	3129.0
5°	3531.8	3411.0	3280.1	3118.9	3025.8	2834.5	2774.1	2665.8	2683.5	2575.2	2580.2
7.5°	3217.1	3121.5	2899.9	2688.5	2504.7	2338.6	2104.5	2016.4	1930.8	1888.0	1938.3
10°	3033.4	2854.6	2552.6	2275.6	2031.5	1882.9	1726.9	1606.0	1495.3	1412.2	1394.6
12.5°	2899.9	2741.4	2376.3	2039.0	1847.7	1726.9	1583.4	1417.2	1309.0	1165.5	1122.7
15°	2859.7	2665.8	2280.7	1945.9	1759.6	1560.7	1397.1	1233.5	1092.5	941.5	888.6
17.5°	2998.1	2774.1	2278.2	1870.4	1608.6	1394.6	1168.0	984.3	840.8	702.3	669.6
20°	3232.2	2889.9	2351.2	1825.0	1465.1	1178.1	921.3	737.6	576.5	485.8	463.2
22.5°	3499.1	3086.2	2358.7	1704.2	1321.6	961.6	672.1	485.8	395.2	352.4	339.8
25°	3826.3	3400.9	2449.3	1606.0	1152.9	730.0	478.3	372.6	319.7	294.5	289.5
27.5°	4095.7	3619.9	2547.5	1502.8	986.8	541.2	375.1	304.6	276.9	251.7	249.2
30°	4375.1	3871.6	2575.2	1439.9	843.3	445.6	322.2	269.4	239.1	226.6	224.0
32.5°	4619.3	4146.0	2663.3	1336.7	707.4	392.7	292.0	241.7	221.5	201.4	198.9
35°	4933.9	4304.6	2706.1	1281.3	657.0	354.9	266.8	221.5	191.3	178.7	173.7
37.5°	5271.2	4458.2	2733.8	1238.5	614.2	332.3	251.7	208.9	181.2	163.6	158.6
40°	5585.9	4674.6	2693.5	1185.7	581.5	304.6	241.7	193.8	168.7	151.0	143.5
42.5°	5827.6	4886.1	2680.9	1135.3	546.3	294.5	229.1	186.3	158.6	138.5	135.9
45°	5963.5	5029.6	2592.8	1095.0	518.6	299.6	224.0	176.2	151.0	133.4	123.3
47.5°	5930.8	5140.3	2615.5	1082.4	480.8	279.4	221.5	168.7	138.5	123.3	115.8
50°	6112.0	5364.4	2577.7	1042.2	453.1	251.7	241.7	168.7	135.9	118.3	110.8
52.5°	6142.2	5568.3	2658.3	969.2	410.3	231.6	239.1	166.1	130.9	113.3	103.2
55°	6394.0	5804.9	2814.4	928.9	375.1	201.4	219.0	161.1	118.3	103.2	98.2
57.5°	6736.3	6295.8	2915.0	891.1	327.3	176.2	183.8	158.6	108.2	95.7	88.1
60°	7066.1	6492.1	2922.6	823.2	281.9	158.6	143.5	158.6	100.7	85.6	78.0
62.5°	7312.8	6492.1	2872.3	765.3	246.7	141.0	125.9	151.0	90.6	75.5	70.5
65°	7179.4	6318.4	2741.4	717.4	224.0	123.3	108.2	115.8	80.6	65.5	60.4
67.5°	6940.2	5777.2	2451.9	659.5	221.5	108.2	93.1	85.6	70.5	57.9	52.9
70°	6557.6	5047.2	2041.5	594.1	216.5	98.2	83.1	73.0	62.9	50.3	45.3
72.5°	5283.8	4168.7	1676.5	556.3	211.5	85.6	70.5	62.9	52.9	42.8	37.8
75°	3660.2	2663.3	1291.4	475.8	206.4	78.0	65.5	55.4	45.3	35.2	32.7
77.5°	2195.1	1779.7	833.2	357.5	135.9	62.9	55.4	42.8	37.8	30.2	27.7
80°	1027.1	840.8	337.3	138.5	65.5	45.3	37.8	32.7	30.2	25.2	22.7
82.5°	402.8	354.9	163.6	80.6	52.9	35.2	30.2	27.7	25.2	20.1	17.6
85°	216.5	191.3	78.0	55.4	37.8	25.2	25.2	22.7	20.1	17.6	15.1
87.5°	47.8	35.2	32.7	32.7	27.7	20.1	20.1	17.6	15.1	12.6	10.1
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: P599430  
 CATALOG NUMBER: IFLD-S-SA2C-730-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4
2.5°	3111.4	3149.2	3088.7	3126.5	3073.6	3113.9	3118.9	3081.2	3091.3	3141.6	3164.3
5°	2650.7	2625.6	2570.2	2552.6	2555.1	2522.3	2534.9	2552.6	2580.2	2595.3	2640.7
7.5°	1910.6	1968.5	1966.0	2008.8	2011.3	2006.3	1971.1	1895.5	1920.7	1900.6	1925.7
10°	1366.9	1392.1	1439.9	1467.6	1517.9	1490.2	1409.7	1379.5	1364.4	1361.9	1387.0
12.5°	1092.5	1032.1	1027.1	1037.1	1062.3	1029.6	989.3	954.1	971.7	1006.9	1034.6
15°	845.8	795.5	730.0	720.0	725.0	709.9	667.1	621.8	634.4	669.6	689.7
17.5°	649.5	591.6	546.3	516.0	506.0	453.1	390.2	352.4	342.4	339.8	357.5
20°	438.0	427.9	420.4	382.6	382.6	307.1	254.2	226.6	226.6	231.6	234.1
22.5°	327.3	314.7	317.2	309.6	289.5	229.1	201.4	193.8	193.8	198.9	198.9
25°	284.5	266.8	261.8	259.3	239.1	196.4	176.2	168.7	168.7	173.7	173.7
27.5°	241.7	236.6	229.1	219.0	201.4	168.7	156.1	148.5	151.0	153.6	151.0
30°	221.5	208.9	198.9	198.9	178.7	151.0	141.0	135.9	130.9	135.9	138.5
32.5°	196.4	188.8	183.8	176.2	153.6	133.4	123.3	118.3	115.8	115.8	118.3
35°	168.7	168.7	163.6	153.6	133.4	120.8	108.2	103.2	100.7	103.2	103.2
37.5°	151.0	143.5	146.0	135.9	118.3	105.7	93.1	88.1	88.1	85.6	88.1
40°	141.0	128.4	120.8	115.8	105.7	90.6	80.6	75.5	73.0	73.0	73.0
42.5°	125.9	115.8	100.7	98.2	95.7	78.0	65.5	62.9	60.4	57.9	57.9
45°	118.3	103.2	90.6	78.0	78.0	65.5	55.4	50.3	47.8	45.3	47.8
47.5°	108.2	93.1	78.0	65.5	62.9	52.9	42.8	37.8	35.2	35.2	35.2
50°	103.2	83.1	68.0	55.4	47.8	42.8	32.7	27.7	25.2	25.2	25.2
52.5°	95.7	78.0	60.4	47.8	37.8	32.7	25.2	20.1	17.6	17.6	17.6
55°	85.6	70.5	52.9	40.3	32.7	25.2	17.6	12.6	10.1	10.1	10.1
57.5°	80.6	62.9	45.3	35.2	25.2	17.6	10.1	7.6	7.6	5.0	7.6
60°	73.0	55.4	37.8	27.7	20.1	12.6	7.6	2.5	2.5	2.5	2.5
62.5°	62.9	47.8	32.7	22.7	15.1	7.6	2.5	0.0	0.0	0.0	0.0
65°	52.9	37.8	25.2	17.6	10.1	2.5	0.0	0.0	0.0	0.0	0.0
67.5°	45.3	32.7	20.1	12.6	7.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	40.3	27.7	15.1	10.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	32.7	22.7	12.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	27.7	17.6	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	22.7	12.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	17.6	10.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.1	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P599430  
 CATALOG NUMBER: IFLD-S-SA2C-730-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4	3544.4
2.5°	3197.0	3181.9	3257.4	3380.7	3443.7	3567.0	3597.2	3675.3	3655.1	3682.8
5°	2645.7	2675.9	2786.7	2967.9	3033.4	3212.1	3380.7	3549.4	3657.7	3710.5
7.5°	1963.5	2064.2	2200.1	2366.3	2534.9	2769.0	3056.0	3252.4	3358.1	3471.4
10°	1462.6	1570.8	1726.9	1890.5	2164.9	2426.7	2713.7	2957.8	3048.5	3154.2
12.5°	1150.4	1319.1	1500.3	1676.5	1840.2	2089.4	2444.3	2799.2	2897.4	2978.0
15°	800.5	1006.9	1266.2	1495.3	1724.4	1940.8	2308.4	2738.8	2872.3	3008.2
17.5°	443.0	606.7	903.7	1225.9	1563.2	1895.5	2353.7	2849.6	3051.0	3146.6
20°	256.8	322.2	533.7	916.3	1361.9	1797.4	2376.3	3058.5	3325.4	3373.2
22.5°	211.5	234.1	302.1	573.9	1115.2	1734.4	2492.1	3350.5	3622.4	3735.7
25°	181.2	198.9	234.1	344.9	843.3	1601.0	2565.1	3715.5	3967.3	4090.6
27.5°	161.1	178.7	206.4	254.2	573.9	1417.2	2686.0	4045.3	4297.0	4465.7
30°	141.0	156.1	183.8	216.5	397.7	1210.8	2789.2	4287.0	4641.9	4694.8
32.5°	125.9	138.5	158.6	186.3	294.5	918.8	2872.3	4536.2	4835.8	4951.5
35°	108.2	123.3	135.9	158.6	224.0	692.3	2821.9	4730.0	5120.2	5258.7
37.5°	95.7	105.7	118.3	133.4	188.8	541.2	2718.7	4961.6	5364.4	5492.8
40°	80.6	88.1	103.2	118.3	171.2	417.9	2600.4	5241.0	5706.7	5933.3
42.5°	68.0	75.5	85.6	110.8	141.0	309.6	2361.2	5457.5	5983.6	6175.0
45°	52.9	62.9	78.0	110.8	113.3	229.1	2114.5	5618.6	6139.7	6235.4
47.5°	40.3	50.3	75.5	95.7	90.6	158.6	1822.5	5802.4	6300.8	6388.9
50°	30.2	40.3	85.6	83.1	75.5	120.8	1638.8	5930.8	6310.9	6358.7
52.5°	20.1	30.2	70.5	62.9	62.9	105.7	1588.4	5925.7	6336.1	6232.9
55°	15.1	22.7	40.3	45.3	55.4	93.1	1543.1	6114.5	6343.6	6416.6
57.5°	10.1	17.6	27.7	35.2	47.8	80.6	1450.0	6341.1	6577.7	6615.5
60°	5.0	12.6	20.1	27.7	40.3	70.5	1319.1	6507.2	6862.2	6902.5
62.5°	2.5	7.6	15.1	22.7	32.7	55.4	1183.1	6242.9	6738.8	6809.3
65°	0.0	5.0	10.1	15.1	20.1	40.3	961.6	5636.3	6250.5	6509.8
67.5°	0.0	0.0	5.0	10.1	12.6	30.2	725.0	5127.8	5799.9	6152.3
70°	0.0	0.0	2.5	2.5	7.6	22.7	463.2	4246.7	5178.1	5371.9
72.5°	0.0	0.0	0.0	0.0	2.5	15.1	269.4	3154.2	4057.9	4417.9
75°	0.0	0.0	0.0	0.0	0.0	12.6	135.9	2029.0	2824.4	3307.7
77.5°	0.0	0.0	0.0	0.0	0.0	10.1	73.0	1309.0	2081.8	2487.1
80°	0.0	0.0	0.0	0.0	0.0	2.5	42.8	760.2	1331.7	1613.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	17.6	372.6	795.5	931.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.0	198.9	397.7	523.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	27.7	52.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)