

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: P599435

Luminaire Tested: **IFLD-S-SA3C-730-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599435  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3C-730-U-SLL-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield  
 Light Source: (48) 3000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

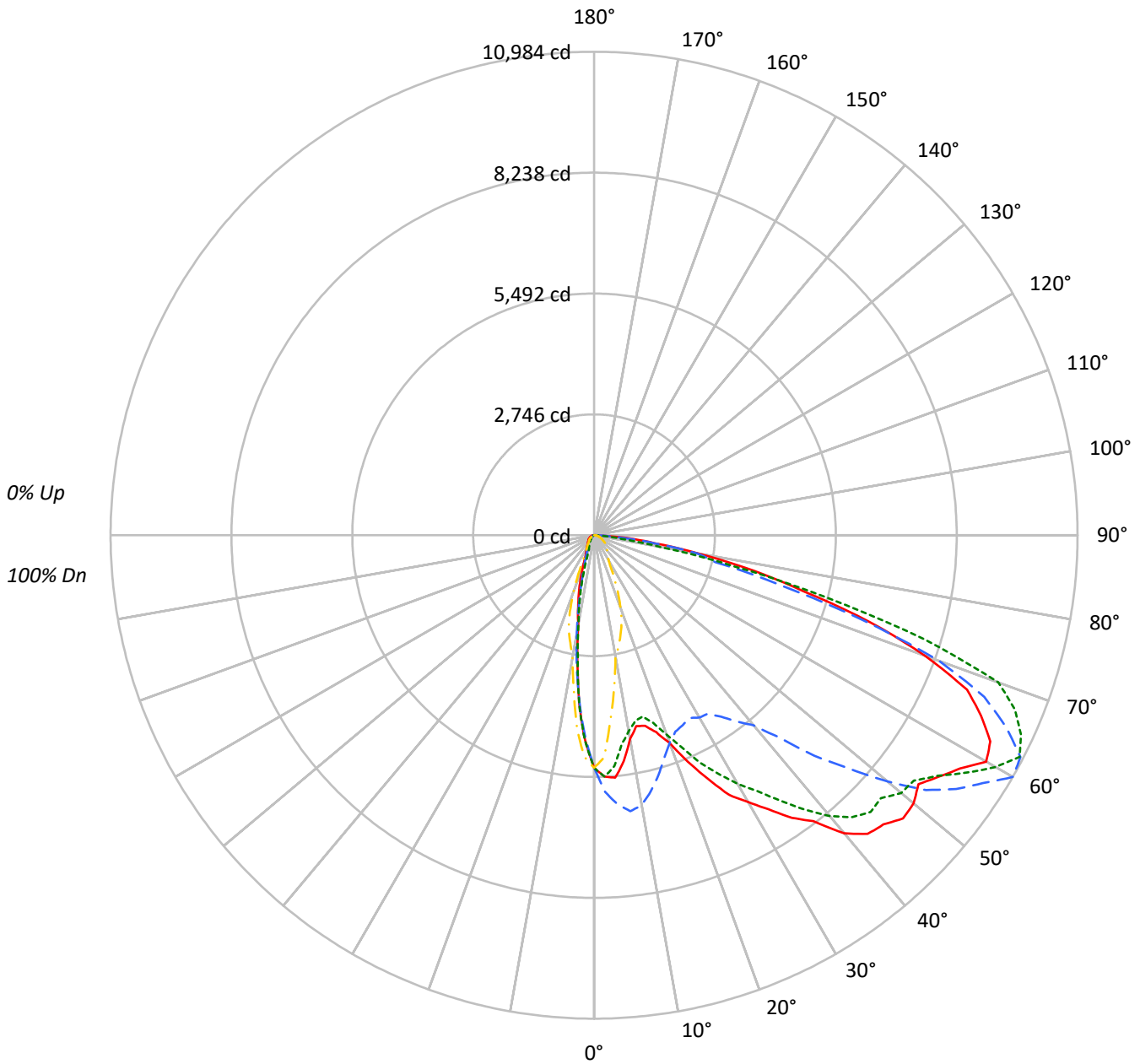
Lumens per Lamp: N/A  
 Luminaire Lumens: 14048.4 lumens  
 Efficiency: N/A  
 Efficacy: 87.4 lumens/watt  
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 160.8  
 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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CATALOG NUMBER: IFLD-S-SA3C-730-U-SLL-HSS

### Luminous Intensity Polar Plot



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

TEST NUMBER: P599435  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-SLL-HSS

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

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

	0°	90°	180°	270°
0°	75808	75808	75808	75808
5°	79665	75828	55398	55722
10°	68503	65880	30288	29578
15°	66609	63321	19677	14827
20°	76777	73568	10543	5271
25°	96537	90299	6831	4100
30°	115949	108052	5533	3358
35°	137306	128826	4536	2695
40°	165661	155962	4006	2038
45°	188606	180382	3731	1370
50°	211583	203373	3686	837
55°	239273	238427	3661	375
60°	295264	302265	3338	109
65°	329454	363342	3056	0
70°	335936	410083	2832	0
75°	273348	302471	2706	0
80°	198747	126503	2794	0
85°	128492	53122	3705	0

TEST NUMBER: P599435  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-SLL-HSS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	401.3	2.9
10°-20°	786.9	5.6
20°-30°	1088.9	7.8
30°-40°	1538.9	11.0
40°-50°	2095.3	14.9
50°-60°	2775.1	19.8
60°-70°	3222.1	22.9
70°-80°	1824.7	13.0
80°-90°	315.3	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
<b>0°-30°</b>	<b>2277.1</b>	<b>16.2</b>
<b>0°-40°</b>	<b>3816.0</b>	<b>27.2</b>
<b>0°-60°</b>	<b>8686.4</b>	<b>61.8</b>
<b>0°-90°</b>	<b>14048.4</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>14048.4</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5282	5282	5282	5282	5282	
5°	5530	5263	3845	3868	5530	497
15°	4483	4262	1324	998	4483	1315
25°	6096	5702	431	259	6096	2843
35°	7837	7353	259	154	7837	4940
45°	9292	8887	184	68	9292	7204
55°	9563	9529	146	15	9563	8664
65°	9701	10699	90	0	9701	9457
75°	4930	5455	49	0	4930	5380
85°	780	323	22	0	780	938
90°	0	0	0	0	0	

TEST NUMBER: P599435  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1
2.5°	5488.4	5604.7	5608.5	5661.0	5713.5	5713.5	5837.3	5807.3	5698.5	5679.8	5601.0
5°	5529.7	5571.0	5601.0	5867.3	6092.4	6069.9	6137.5	6092.4	5882.4	5612.2	5428.4
7.5°	5173.3	5218.3	5338.4	5792.3	6096.2	6197.5	6325.0	6043.7	5822.3	5334.6	4982.0
10°	4700.6	4786.9	5008.3	5526.0	5901.1	6223.7	6223.7	5998.7	5571.0	5094.5	4663.1
12.5°	4438.0	4610.6	4730.6	5255.9	5743.5	5964.9	5957.4	5837.3	5559.7	4959.5	4471.8
15°	4483.0	4531.8	4786.9	5195.8	5518.5	5507.2	5642.3	5604.7	5409.7	5079.5	4543.1
17.5°	4689.4	4764.4	4985.7	5195.8	5349.6	5304.6	5300.9	5480.9	5492.2	5282.1	4809.4
20°	5027.0	5248.4	5353.4	5417.2	5229.6	5038.3	5015.8	5267.1	5462.2	5541.0	5128.3
22.5°	5567.2	5713.5	5927.4	5601.0	5113.3	4873.2	4828.2	5105.8	5499.7	5848.6	5541.0
25°	6096.2	6208.7	6415.1	5994.9	5244.6	4839.4	4760.7	5000.8	5642.3	6276.3	6039.9
27.5°	6655.2	6752.7	6775.2	6283.8	5315.9	4771.9	4678.1	5000.8	5762.3	6501.4	6636.4
30°	6996.6	7112.8	7135.4	6538.9	5432.2	4828.2	4783.2	5023.3	5844.8	6692.7	7064.1
32.5°	7379.2	7409.2	7390.5	6583.9	5559.7	4993.2	4805.7	5173.3	5938.6	6921.5	7454.2
35°	7836.9	7889.4	7698.1	6790.2	5844.8	5098.3	5030.8	5357.1	6099.9	7026.6	7926.9
37.5°	8185.8	8350.8	7919.4	6869.0	5901.1	5319.6	5330.9	5739.8	6212.5	7154.1	8448.4
40°	8842.3	8564.7	8294.6	7139.1	6114.9	5694.8	5634.8	6133.7	6591.4	7236.6	8789.8
42.5°	9202.4	9056.1	8440.9	7165.4	6445.1	6212.5	6227.5	6580.1	6790.2	7469.2	8883.6
45°	9292.5	9138.7	8639.7	7184.1	6771.5	6824.0	7082.8	7150.4	7082.8	7623.1	9059.9
47.5°	9521.3	9187.4	8617.2	7435.5	7300.4	7503.0	7833.1	7979.4	7480.5	7566.8	9142.4
50°	9476.3	9285.0	8568.4	7540.5	7945.7	8482.1	8703.5	8643.5	7923.2	7450.5	9052.4
52.5°	9288.7	9082.4	8718.5	7825.6	8549.7	9198.7	9506.3	9356.2	8317.1	7713.1	8992.3
55°	9562.6	9405.0	8913.6	8212.0	9003.6	9828.9	10046.5	9934.0	8801.0	7956.9	9333.7
57.5°	9858.9	9825.2	9442.5	8666.0	9540.1	10477.9	10477.9	10339.1	9221.2	8309.6	9840.2
60°	10286.6	10361.6	9832.7	8966.1	9723.9	10440.4	10984.4	10823.1	9645.1	8928.6	10414.2
62.5°	10147.8	10387.9	10335.4	9611.3	9934.0	10624.3	10920.6	11040.7	10170.3	9682.6	11179.5
65°	9701.4	9956.5	10331.6	10035.3	9776.4	10177.8	10327.9	10691.8	10432.9	10391.7	11494.6
67.5°	9168.7	9446.3	9678.9	10320.4	9457.5	9723.9	9592.6	9708.9	10147.8	11168.2	11674.7
70°	8005.7	8272.1	8639.7	9686.4	8613.4	8373.4	8339.6	8283.3	8966.1	10890.6	10856.8
72.5°	6583.9	6707.7	7315.4	7874.4	6373.8	6328.8	6381.3	6317.5	7109.1	9858.9	9300.0
75°	4929.5	5053.3	5398.4	6047.4	4340.5	4081.6	4381.8	4678.1	5428.4	7653.1	6681.4
77.5°	3706.5	3864.0	4081.6	4524.3	3185.0	2779.9	2821.1	3102.5	3924.1	6130.0	3744.0
80°	2404.7	2386.0	2806.1	3113.7	2397.2	2472.2	2367.2	2573.5	2843.6	3278.8	1913.3
82.5°	1388.1	1406.8	1583.1	1785.7	1669.4	1909.5	1376.8	2299.7	2029.6	1335.5	712.8
85°	780.3	814.1	975.4	1238.0	1046.7	701.5	574.0	1140.5	1275.5	547.7	345.1
87.5°	78.8	67.5	131.3	468.9	285.1	116.3	172.6	273.9	307.6	206.3	101.3
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: P599435  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1
2.5°	5488.4	5488.4	5394.7	5237.1	5173.3	5060.8	4907.0	4955.7	4903.2	4711.9	4663.1
5°	5263.4	5083.3	4888.2	4648.1	4509.3	4224.2	4134.2	3972.8	3999.1	3837.8	3845.3
7.5°	4794.4	4651.9	4321.7	4006.6	3732.7	3485.1	3136.3	3005.0	2877.4	2813.6	2888.7
10°	4520.6	4254.2	3804.0	3391.4	3027.5	2806.1	2573.5	2393.5	2228.4	2104.6	2078.3
12.5°	4321.7	4085.4	3541.4	3038.7	2753.6	2573.5	2359.7	2112.1	1950.8	1736.9	1673.2
15°	4261.7	3972.8	3398.9	2899.9	2622.3	2325.9	2082.1	1838.2	1628.2	1403.1	1324.3
17.5°	4468.0	4134.2	3395.1	2787.4	2397.2	2078.3	1740.7	1466.8	1253.0	1046.7	997.9
20°	4816.9	4306.7	3503.9	2719.8	2183.4	1755.7	1373.0	1099.2	859.1	724.0	690.3
22.5°	5214.6	4599.3	3515.2	2539.8	1969.5	1433.1	1001.7	724.0	589.0	525.2	506.5
25°	5702.3	5068.3	3650.2	2393.5	1718.2	1087.9	712.8	555.2	476.4	438.9	431.4
27.5°	6103.7	5394.7	3796.5	2239.6	1470.6	806.6	559.0	453.9	412.7	375.2	371.4
30°	6520.1	5769.8	3837.8	2145.9	1256.8	664.0	480.2	401.4	356.4	337.6	333.9
32.5°	6884.0	6178.7	3969.1	1992.0	1054.2	585.2	435.2	360.1	330.1	300.1	296.4
35°	7352.9	6415.1	4032.9	1909.5	979.1	529.0	397.7	330.1	285.1	266.4	258.9
37.5°	7855.6	6643.9	4074.1	1845.7	915.4	495.2	375.2	311.4	270.1	243.8	236.3
40°	8324.6	6966.5	4014.1	1767.0	866.6	453.9	360.1	288.9	251.4	225.1	213.8
42.5°	8684.7	7281.7	3995.3	1691.9	814.1	438.9	341.4	277.6	236.3	206.3	202.6
45°	8887.3	7495.5	3864.0	1631.9	772.8	446.4	333.9	262.6	225.1	198.8	183.8
47.5°	8838.5	7660.6	3897.8	1613.1	716.5	416.4	330.1	251.4	206.3	183.8	172.6
50°	9108.6	7994.5	3841.5	1553.1	675.3	375.2	360.1	251.4	202.6	176.3	165.1
52.5°	9153.7	8298.3	3961.6	1444.3	611.5	345.1	356.4	247.6	195.1	168.8	153.8
55°	9528.8	8651.0	4194.2	1384.3	559.0	300.1	326.4	240.1	176.3	153.8	146.3
57.5°	10039.0	9382.5	4344.2	1328.0	487.7	262.6	273.9	236.3	161.3	142.6	131.3
60°	10530.5	9675.1	4355.5	1226.7	420.2	236.3	213.8	236.3	150.1	127.6	116.3
62.5°	10898.1	9675.1	4280.5	1140.5	367.6	210.1	187.6	225.1	135.1	112.5	105.0
65°	10699.3	9416.3	4085.4	1069.2	333.9	183.8	161.3	172.6	120.0	97.5	90.0
67.5°	10342.9	8609.7	3654.0	982.9	330.1	161.3	138.8	127.6	105.0	86.3	78.8
70°	9772.7	7521.8	3042.5	885.4	322.6	146.3	123.8	108.8	93.8	75.0	67.5
72.5°	7874.4	6212.5	2498.5	829.1	315.1	127.6	105.0	93.8	78.8	63.8	56.3
75°	5454.7	3969.1	1924.5	709.0	307.6	116.3	97.5	82.5	67.5	52.5	48.8
77.5°	3271.3	2652.3	1241.7	532.7	202.6	93.8	82.5	63.8	56.3	45.0	41.3
80°	1530.6	1253.0	502.7	206.3	97.5	67.5	56.3	48.8	45.0	37.5	33.8
82.5°	600.2	529.0	243.8	120.0	78.8	52.5	45.0	41.3	37.5	30.0	26.3
85°	322.6	285.1	116.3	82.5	56.3	37.5	37.5	33.8	30.0	26.3	22.5
87.5°	71.3	52.5	48.8	48.8	41.3	30.0	30.0	26.3	22.5	18.8	15.0
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: P599435  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1
2.5°	4636.9	4693.1	4603.1	4659.4	4580.6	4640.6	4648.1	4591.8	4606.8	4681.9	4715.6
5°	3950.3	3912.8	3830.3	3804.0	3807.8	3759.0	3777.8	3804.0	3845.3	3867.8	3935.3
7.5°	2847.4	2933.7	2929.9	2993.7	2997.4	2989.9	2937.4	2824.9	2862.4	2832.4	2869.9
10°	2037.1	2074.6	2145.9	2187.1	2262.2	2220.9	2100.8	2055.8	2033.3	2029.6	2067.1
12.5°	1628.2	1538.1	1530.6	1545.6	1583.1	1534.4	1474.3	1421.8	1448.1	1500.6	1541.9
15°	1260.5	1185.5	1087.9	1072.9	1080.4	1057.9	994.1	926.6	945.4	997.9	1027.9
17.5°	967.9	881.6	814.1	769.1	754.1	675.3	581.5	525.2	510.2	506.5	532.7
20°	652.8	637.8	626.5	570.2	570.2	457.7	378.9	337.6	337.6	345.1	348.9
22.5°	487.7	468.9	472.7	461.4	431.4	341.4	300.1	288.9	288.9	296.4	296.4
25°	423.9	397.7	390.2	386.4	356.4	292.6	262.6	251.4	251.4	258.9	258.9
27.5°	360.1	352.6	341.4	326.4	300.1	251.4	232.6	221.3	225.1	228.8	225.1
30°	330.1	311.4	296.4	296.4	266.4	225.1	210.1	202.6	195.1	202.6	206.3
32.5°	292.6	281.4	273.9	262.6	228.8	198.8	183.8	176.3	172.6	172.6	176.3
35°	251.4	251.4	243.8	228.8	198.8	180.1	161.3	153.8	150.1	153.8	153.8
37.5°	225.1	213.8	217.6	202.6	176.3	157.6	138.8	131.3	131.3	127.6	131.3
40°	210.1	191.3	180.1	172.6	157.6	135.1	120.0	112.5	108.8	108.8	108.8
42.5°	187.6	172.6	150.1	146.3	142.6	116.3	97.5	93.8	90.0	86.3	86.3
45°	176.3	153.8	135.1	116.3	116.3	97.5	82.5	75.0	71.3	67.5	71.3
47.5°	161.3	138.8	116.3	97.5	93.8	78.8	63.8	56.3	52.5	52.5	52.5
50°	153.8	123.8	101.3	82.5	71.3	63.8	48.8	41.3	37.5	37.5	37.5
52.5°	142.6	116.3	90.0	71.3	56.3	48.8	37.5	30.0	26.3	26.3	26.3
55°	127.6	105.0	78.8	60.0	48.8	37.5	26.3	18.8	15.0	15.0	15.0
57.5°	120.0	93.8	67.5	52.5	37.5	26.3	15.0	11.3	11.3	7.5	11.3
60°	108.8	82.5	56.3	41.3	30.0	18.8	11.3	3.8	3.8	3.8	3.8
62.5°	93.8	71.3	48.8	33.8	22.5	11.3	3.8	0.0	0.0	0.0	0.0
65°	78.8	56.3	37.5	26.3	15.0	3.8	0.0	0.0	0.0	0.0	0.0
67.5°	67.5	48.8	30.0	18.8	11.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	60.0	41.3	22.5	15.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	48.8	33.8	18.8	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	41.3	26.3	11.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	33.8	18.8	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	26.3	15.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	22.5	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.3	3.8	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: P599435  
 CATALOG NUMBER: IFLD-S-SA3C-730-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1	5282.1
2.5°	4764.4	4741.9	4854.4	5038.3	5132.1	5315.9	5360.9	5477.2	5447.2	5488.4
5°	3942.8	3987.8	4152.9	4423.0	4520.6	4786.9	5038.3	5289.6	5450.9	5529.7
7.5°	2926.2	3076.2	3278.8	3526.4	3777.8	4126.7	4554.3	4846.9	5004.5	5173.3
10°	2179.6	2340.9	2573.5	2817.4	3226.3	3616.4	4044.1	4408.0	4543.1	4700.6
12.5°	1714.4	1965.8	2235.9	2498.5	2742.3	3113.7	3642.7	4171.7	4318.0	4438.0
15°	1193.0	1500.6	1887.0	2228.4	2569.8	2892.4	3440.1	4081.6	4280.5	4483.0
17.5°	660.3	904.1	1346.8	1827.0	2329.7	2824.9	3507.7	4246.7	4546.8	4689.4
20°	382.7	480.2	795.3	1365.5	2029.6	2678.6	3541.4	4558.1	4955.7	5027.0
22.5°	315.1	348.9	450.2	855.3	1661.9	2584.8	3714.0	4993.2	5398.4	5567.2
25°	270.1	296.4	348.9	514.0	1256.8	2386.0	3822.8	5537.2	5912.4	6096.2
27.5°	240.1	266.4	307.6	378.9	855.3	2112.1	4002.9	6028.7	6403.8	6655.2
30°	210.1	232.6	273.9	322.6	592.7	1804.5	4156.7	6388.8	6917.8	6996.6
32.5°	187.6	206.3	236.3	277.6	438.9	1369.3	4280.5	6760.2	7206.6	7379.2
35°	161.3	183.8	202.6	236.3	333.9	1031.7	4205.4	7049.1	7630.6	7836.9
37.5°	142.6	157.6	176.3	198.8	281.4	806.6	4051.6	7394.2	7994.5	8185.8
40°	120.0	131.3	153.8	176.3	255.1	622.7	3875.3	7810.6	8504.7	8842.3
42.5°	101.3	112.5	127.6	165.1	210.1	461.4	3518.9	8133.3	8917.3	9202.4
45°	78.8	93.8	116.3	165.1	168.8	341.4	3151.3	8373.4	9149.9	9292.5
47.5°	60.0	75.0	112.5	142.6	135.1	236.3	2716.1	8647.2	9390.0	9521.3
50°	45.0	60.0	127.6	123.8	112.5	180.1	2442.2	8838.5	9405.0	9476.3
52.5°	30.0	45.0	105.0	93.8	93.8	157.6	2367.2	8831.0	9442.5	9288.7
55°	22.5	33.8	60.0	67.5	82.5	138.8	2299.7	9112.4	9453.8	9562.6
57.5°	15.0	26.3	41.3	52.5	71.3	120.0	2160.9	9450.0	9802.7	9858.9
60°	7.5	18.8	30.0	41.3	60.0	105.0	1965.8	9697.6	10226.6	10286.6
62.5°	3.8	11.3	22.5	33.8	48.8	82.5	1763.2	9303.7	10042.8	10147.8
65°	0.0	7.5	15.0	22.5	30.0	60.0	1433.1	8399.6	9315.0	9701.4
67.5°	0.0	0.0	7.5	15.0	18.8	45.0	1080.4	7641.8	8643.5	9168.7
70°	0.0	0.0	3.8	3.8	11.3	33.8	690.3	6328.8	7716.8	8005.7
72.5°	0.0	0.0	0.0	0.0	3.8	22.5	401.4	4700.6	6047.4	6583.9
75°	0.0	0.0	0.0	0.0	0.0	18.8	202.6	3023.7	4209.2	4929.5
77.5°	0.0	0.0	0.0	0.0	0.0	15.0	108.8	1950.8	3102.5	3706.5
80°	0.0	0.0	0.0	0.0	0.0	3.8	63.8	1133.0	1984.5	2404.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	26.3	555.2	1185.5	1388.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	7.5	296.4	592.7	780.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	41.3	78.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)