

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: P599444

Luminaire Tested: **IFLD-M-SA4B-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: P599444  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4B-730-U-SLL-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield  
 Light Source: (64) 3000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

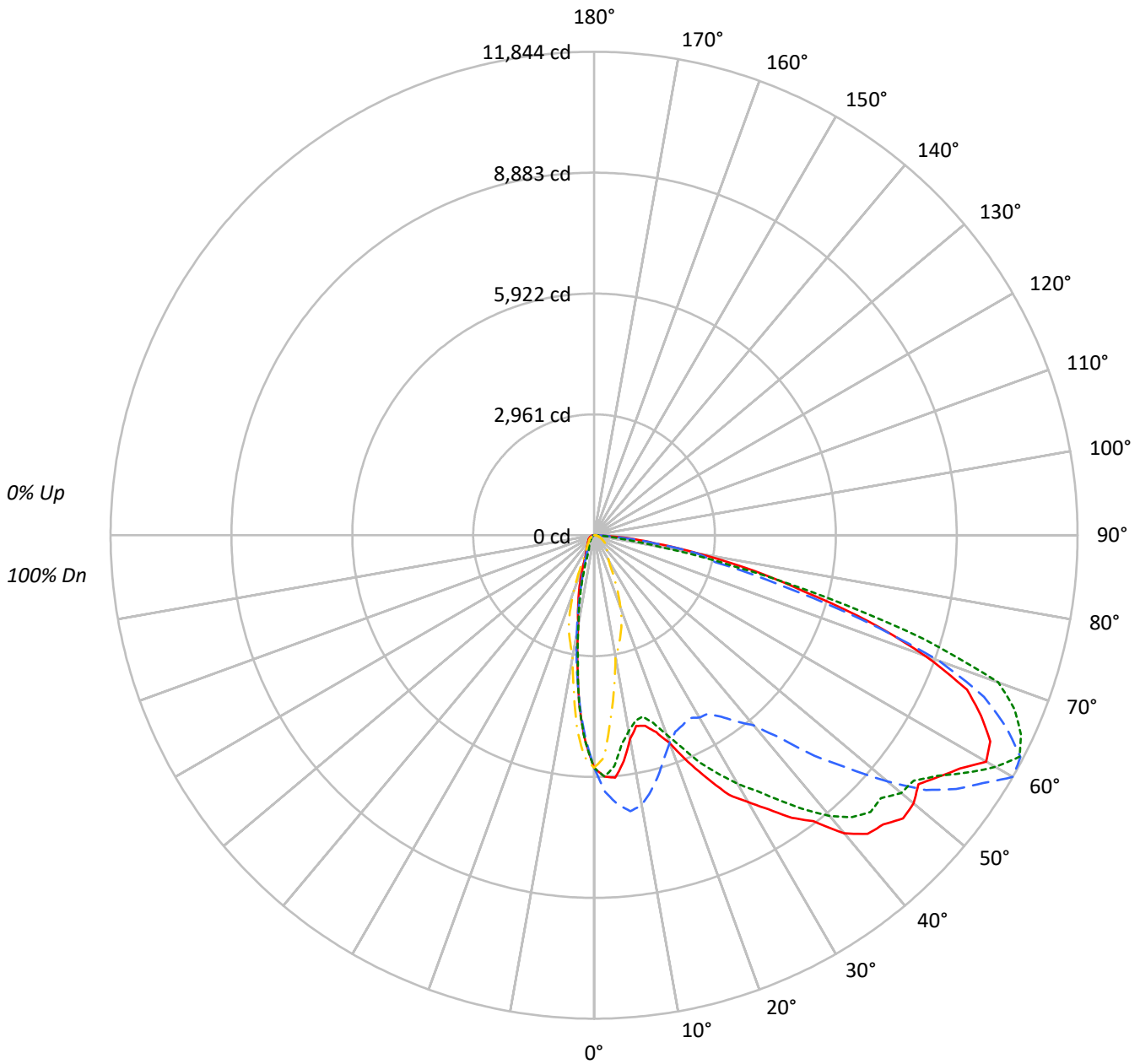
Lumens per Lamp: N/A  
 Luminaire Lumens: 15147.7 lumens  
 Efficiency: N/A  
 Efficacy: 91.2 lumens/watt  
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 166.1  
 Input Voltage (V): 120  
 Input Current (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

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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	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°	61305	61305	61305	61305
5°	64424	61321	44800	45061
10°	55399	53276	24494	23919
15°	53866	51207	15912	11991
20°	62089	59494	8526	4262
25°	78068	73024	5525	3315
30°	93765	87380	4474	2715
35°	111037	104180	3667	2179
40°	133968	126124	3240	1648
45°	152523	145872	3017	1108
50°	171104	164466	2981	678
55°	193496	192813	2961	304
60°	238776	244438	2700	86
65°	266425	293830	2473	0
70°	271666	331629	2291	0
75°	221052	244603	2188	0
80°	160726	102303	2256	0
85°	103915	42966	3001	0

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	432.7	2.9
10°-20°	848.5	5.6
20°-30°	1174.1	7.8
30°-40°	1659.4	11.0
40°-50°	2259.2	14.9
50°-60°	2992.2	19.8
60°-70°	3474.2	22.9
70°-80°	1967.5	13.0
80°-90°	339.9	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°	2455.3	16.2
0°-40°	4114.6	27.2
0°-60°	9366.1	61.8
0°-90°	15147.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15147.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5695	5695	5695	5695	5695	
5°	5962	5675	4146	4170	5962	535
15°	4834	4595	1428	1076	4834	1418
25°	6573	6148	465	279	6573	3066
35°	8450	7928	279	166	8450	5327
45°	10020	9583	198	73	10020	7768
55°	10311	10274	158	16	10311	9342
65°	10460	11536	97	0	10460	10197
75°	5315	5882	53	0	5315	5801
85°	841	348	24	0	841	1011
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4
2.5°	5917.9	6043.3	6047.4	6104.0	6160.6	6160.6	6294.1	6261.7	6144.4	6124.2	6039.3
5°	5962.4	6006.9	6039.3	6326.5	6569.2	6544.9	6617.7	6569.2	6342.6	6051.4	5853.2
7.5°	5578.1	5626.7	5756.1	6245.6	6573.2	6682.4	6820.0	6516.6	6277.9	5752.1	5371.8
10°	5068.5	5161.5	5400.1	5958.4	6362.9	6710.7	6710.7	6468.0	6006.9	5493.2	5028.0
12.5°	4785.3	4971.4	5100.8	5667.1	6193.0	6431.6	6423.5	6294.1	5994.8	5347.6	4821.7
15°	4833.8	4886.4	5161.5	5602.4	5950.3	5938.1	6083.8	6043.3	5833.0	5477.0	4898.6
17.5°	5056.3	5137.2	5375.9	5602.4	5768.2	5719.7	5715.7	5909.8	5922.0	5695.4	5185.8
20°	5420.4	5659.0	5772.3	5841.1	5638.8	5432.5	5408.2	5679.3	5889.6	5974.5	5529.6
22.5°	6002.9	6160.6	6391.2	6039.3	5513.4	5254.5	5206.0	5505.3	5930.0	6306.2	5974.5
25°	6573.2	6694.6	6917.0	6464.0	5655.0	5218.1	5133.2	5392.1	6083.8	6767.4	6512.5
27.5°	7175.9	7281.1	7305.4	6775.5	5731.8	5145.3	5044.2	5392.1	6213.2	7010.1	7155.7
30°	7544.0	7669.4	7693.7	7050.5	5857.2	5206.0	5157.4	5416.3	6302.2	7216.4	7616.8
32.5°	7956.6	7989.0	7968.8	7099.1	5994.8	5384.0	5181.7	5578.1	6403.3	7463.1	8037.5
35°	8450.1	8506.7	8300.4	7321.5	6302.2	5497.2	5424.4	5776.3	6577.3	7576.4	8547.2
37.5°	8826.3	9004.3	8539.1	7406.5	6362.9	5735.9	5748.0	6188.9	6698.6	7713.9	9109.5
40°	9534.2	9234.9	8943.6	7697.7	6593.4	6140.4	6075.7	6613.7	7107.2	7802.9	9477.6
42.5°	9922.5	9764.8	9101.4	7726.1	6949.4	6698.6	6714.8	7095.0	7321.5	8053.7	9578.7
45°	10019.6	9853.7	9315.8	7746.3	7301.3	7358.0	7637.1	7709.9	7637.1	8219.5	9768.8
47.5°	10266.3	9906.3	9291.5	8017.3	7871.7	8090.1	8446.1	8603.8	8065.8	8158.9	9857.8
50°	10217.8	10011.5	9238.9	8130.6	8567.4	9145.9	9384.5	9319.8	8543.2	8033.5	9760.7
52.5°	10015.5	9793.1	9400.7	8438.0	9218.7	9918.5	10250.2	10088.4	8967.9	8316.6	9696.0
55°	10310.8	10140.9	9611.0	8854.6	9708.1	10598.0	10832.7	10711.3	9489.7	8579.6	10064.1
57.5°	10630.4	10594.0	10181.4	9344.1	10286.6	11297.8	11297.8	11148.2	9942.7	8959.8	10610.2
60°	11091.5	11172.4	10602.1	9667.7	10484.8	11257.4	11843.9	11670.0	10399.8	9627.2	11229.1
62.5°	10941.9	11200.8	11144.1	10363.4	10711.3	11455.6	11775.1	11904.6	10966.1	10440.3	12054.3
65°	10460.5	10735.6	11140.1	10820.5	10541.4	10974.2	11136.0	11528.4	11249.3	11204.8	12394.0
67.5°	9886.1	10185.4	10436.2	11127.9	10197.6	10484.8	10343.2	10468.6	10941.9	12042.1	12588.2
70°	8632.1	8919.3	9315.8	10444.3	9287.4	9028.6	8992.2	8931.5	9667.7	11742.8	11706.4
72.5°	7099.1	7232.6	7887.9	8490.6	6872.5	6824.0	6880.6	6811.9	7665.4	10630.4	10027.7
75°	5315.2	5448.7	5820.8	6520.6	4680.1	4401.0	4724.6	5044.2	5853.2	8251.9	7204.2
77.5°	3996.5	4166.4	4401.0	4878.3	3434.2	2997.4	3041.9	3345.3	4231.1	6609.6	4037.0
80°	2592.9	2572.7	3025.7	3357.4	2584.8	2665.7	2552.4	2774.9	3066.1	3535.4	2063.0
82.5°	1496.7	1516.9	1707.0	1925.4	1800.0	2058.9	1484.5	2479.6	2188.4	1440.0	768.6
85°	841.4	877.8	1051.7	1334.9	1128.6	756.4	618.9	1229.7	1375.3	590.6	372.1
87.5°	84.9	72.8	141.6	505.6	307.4	125.4	186.1	295.3	331.7	222.5	109.2
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4
2.5°	5917.9	5917.9	5816.8	5646.9	5578.1	5456.8	5290.9	5343.5	5286.9	5080.6	5028.0
5°	5675.2	5481.0	5270.7	5011.8	4862.2	4554.7	4457.6	4283.7	4312.0	4138.1	4146.2
7.5°	5169.6	5015.9	4659.9	4320.1	4024.8	3757.9	3381.7	3240.1	3102.6	3033.8	3114.7
10°	4874.3	4587.1	4101.7	3656.7	3264.4	3025.7	2774.9	2580.7	2402.8	2269.3	2241.0
12.5°	4659.9	4405.1	3818.5	3276.5	2969.1	2774.9	2544.3	2277.4	2103.4	1872.9	1804.1
15°	4595.2	4283.7	3664.8	3126.8	2827.5	2507.9	2245.0	1982.1	1755.6	1512.8	1427.9
17.5°	4817.7	4457.6	3660.8	3005.5	2584.8	2241.0	1876.9	1581.6	1351.0	1128.6	1076.0
20°	5193.8	4643.7	3778.1	2932.7	2354.2	1893.1	1480.5	1185.2	926.3	780.7	744.3
22.5°	5622.6	4959.2	3790.2	2738.5	2123.7	1545.2	1080.0	780.7	635.1	566.3	546.1
25°	6148.5	5464.9	3935.8	2580.7	1852.6	1173.1	768.6	598.7	513.7	473.3	465.2
27.5°	6581.3	5816.8	4093.6	2414.9	1585.7	869.7	602.7	489.5	445.0	404.5	400.5
30°	7030.3	6221.3	4138.1	2313.8	1355.1	716.0	517.8	432.8	384.3	364.1	360.0
32.5°	7422.7	6662.2	4279.7	2147.9	1136.7	631.0	469.2	388.3	356.0	323.6	319.6
35°	7928.3	6917.0	4348.4	2058.9	1055.8	570.4	428.8	356.0	307.4	287.2	279.1
37.5°	8470.3	7163.8	4392.9	1990.2	987.0	533.9	404.5	335.7	291.2	262.9	254.8
40°	8976.0	7511.7	4328.2	1905.2	934.4	489.5	388.3	311.5	271.0	242.7	230.6
42.5°	9364.3	7851.4	4308.0	1824.3	877.8	473.3	368.1	299.3	254.8	222.5	218.4
45°	9582.7	8082.0	4166.4	1759.6	833.3	481.4	360.0	283.2	242.7	214.4	198.2
47.5°	9530.1	8260.0	4202.8	1739.4	772.6	449.0	356.0	271.0	222.5	198.2	186.1
50°	9821.4	8620.0	4142.1	1674.7	728.1	404.5	388.3	271.0	218.4	190.1	178.0
52.5°	9869.9	8947.7	4271.6	1557.3	659.3	372.1	384.3	267.0	210.3	182.0	165.8
55°	10274.4	9327.9	4522.4	1492.6	602.7	323.6	351.9	258.9	190.1	165.8	157.8
57.5°	10824.6	10116.7	4684.2	1431.9	525.9	283.2	295.3	254.8	173.9	153.7	141.6
60°	11354.5	10432.2	4696.3	1322.7	453.0	254.8	230.6	254.8	161.8	137.5	125.4
62.5°	11750.9	10432.2	4615.4	1229.7	396.4	226.5	202.3	242.7	145.6	121.4	113.3
65°	11536.5	10153.1	4405.1	1152.8	360.0	198.2	173.9	186.1	129.4	105.2	97.1
67.5°	11152.2	9283.4	3939.9	1059.8	356.0	173.9	149.7	137.5	113.3	93.0	84.9
70°	10537.4	8110.3	3280.5	954.6	347.9	157.8	133.5	117.3	101.1	80.9	72.8
72.5°	8490.6	6698.6	2694.0	894.0	339.8	137.5	113.3	101.1	84.9	68.8	60.7
75°	5881.5	4279.7	2075.1	764.5	331.7	125.4	105.2	89.0	72.8	56.6	52.6
77.5°	3527.3	2859.9	1338.9	574.4	218.4	101.1	89.0	68.8	60.7	48.5	44.5
80°	1650.4	1351.0	542.0	222.5	105.2	72.8	60.7	52.6	48.5	40.5	36.4
82.5°	647.2	570.4	262.9	129.4	84.9	56.6	48.5	44.5	40.5	32.4	28.3
85°	347.9	307.4	125.4	89.0	60.7	40.5	40.5	36.4	32.4	28.3	24.3
87.5°	76.9	56.6	52.6	52.6	44.5	32.4	32.4	28.3	24.3	20.2	16.2
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°	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4
2.5°	4999.7	5060.4	4963.3	5024.0	4939.0	5003.7	5011.8	4951.1	4967.3	5048.2	5084.6
5°	4259.4	4219.0	4130.0	4101.7	4105.7	4053.1	4073.4	4101.7	4146.2	4170.4	4243.3
7.5°	3070.2	3163.2	3159.2	3228.0	3232.0	3223.9	3167.3	3045.9	3086.4	3054.0	3094.5
10°	2196.5	2236.9	2313.8	2358.3	2439.2	2394.7	2265.2	2216.7	2192.4	2188.4	2228.8
12.5°	1755.6	1658.5	1650.4	1666.6	1707.0	1654.4	1589.7	1533.1	1561.4	1618.0	1662.5
15°	1359.1	1278.2	1173.1	1156.9	1165.0	1140.7	1071.9	999.1	1019.4	1076.0	1108.3
17.5°	1043.6	950.6	877.8	829.2	813.1	728.1	627.0	566.3	550.1	546.1	574.4
20°	703.8	687.7	675.5	614.8	614.8	493.5	408.6	364.1	364.1	372.1	376.2
22.5°	525.9	505.6	509.7	497.5	465.2	368.1	323.6	311.5	311.5	319.6	319.6
25°	457.1	428.8	420.7	416.6	384.3	315.5	283.2	271.0	271.0	279.1	279.1
27.5°	388.3	380.2	368.1	351.9	323.6	271.0	250.8	238.7	242.7	246.7	242.7
30°	356.0	335.7	319.6	319.6	287.2	242.7	226.5	218.4	210.3	218.4	222.5
32.5°	315.5	303.4	295.3	283.2	246.7	214.4	198.2	190.1	186.1	186.1	190.1
35°	271.0	271.0	262.9	246.7	214.4	194.2	173.9	165.8	161.8	165.8	165.8
37.5°	242.7	230.6	234.6	218.4	190.1	169.9	149.7	141.6	141.6	137.5	141.6
40°	226.5	206.3	194.2	186.1	169.9	145.6	129.4	121.4	117.3	117.3	117.3
42.5°	202.3	186.1	161.8	157.8	153.7	125.4	105.2	101.1	97.1	93.0	93.0
45°	190.1	165.8	145.6	125.4	125.4	105.2	89.0	80.9	76.9	72.8	76.9
47.5°	173.9	149.7	125.4	105.2	101.1	84.9	68.8	60.7	56.6	56.6	56.6
50°	165.8	133.5	109.2	89.0	76.9	68.8	52.6	44.5	40.5	40.5	40.5
52.5°	153.7	125.4	97.1	76.9	60.7	52.6	40.5	32.4	28.3	28.3	28.3
55°	137.5	113.3	84.9	64.7	52.6	40.5	28.3	20.2	16.2	16.2	16.2
57.5°	129.4	101.1	72.8	56.6	40.5	28.3	16.2	12.1	12.1	8.1	12.1
60°	117.3	89.0	60.7	44.5	32.4	20.2	12.1	4.0	4.0	4.0	4.0
62.5°	101.1	76.9	52.6	36.4	24.3	12.1	4.0	0.0	0.0	0.0	0.0
65°	84.9	60.7	40.5	28.3	16.2	4.0	0.0	0.0	0.0	0.0	0.0
67.5°	72.8	52.6	32.4	20.2	12.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	64.7	44.5	24.3	16.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	52.6	36.4	20.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	44.5	28.3	12.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	36.4	20.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	28.3	16.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	24.3	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.1	4.0	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: P599444  
 CATALOG NUMBER: IFLD-M-SA4B-730-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4	5695.4
2.5°	5137.2	5112.9	5234.3	5432.5	5533.6	5731.8	5780.4	5905.8	5873.4	5917.9
5°	4251.4	4299.9	4477.9	4769.1	4874.3	5161.5	5432.5	5703.5	5877.5	5962.4
7.5°	3155.1	3316.9	3535.4	3802.3	4073.4	4449.6	4910.7	5226.2	5396.1	5578.1
10°	2350.2	2524.1	2774.9	3037.8	3478.7	3899.4	4360.6	4752.9	4898.6	5068.5
12.5°	1848.6	2119.6	2410.9	2694.0	2956.9	3357.4	3927.7	4498.1	4655.9	4785.3
15°	1286.3	1618.0	2034.7	2402.8	2770.9	3118.7	3709.3	4401.0	4615.4	4833.8
17.5°	711.9	974.9	1452.2	1969.9	2512.0	3045.9	3782.1	4579.0	4902.6	5056.3
20°	412.6	517.8	857.6	1472.4	2188.4	2888.2	3818.5	4914.7	5343.5	5420.4
22.5°	339.8	376.2	485.4	922.3	1792.0	2787.0	4004.6	5384.0	5820.8	6002.9
25°	291.2	319.6	376.2	554.2	1355.1	2572.7	4121.9	5970.5	6375.0	6573.2
27.5°	258.9	287.2	331.7	408.6	922.3	2277.4	4316.1	6500.4	6904.9	7175.9
30°	226.5	250.8	295.3	347.9	639.1	1945.7	4481.9	6888.7	7459.1	7544.0
32.5°	202.3	222.5	254.8	299.3	473.3	1476.4	4615.4	7289.2	7770.5	7956.6
35°	173.9	198.2	218.4	254.8	360.0	1112.4	4534.5	7600.7	8227.6	8450.1
37.5°	153.7	169.9	190.1	214.4	303.4	869.7	4368.7	7972.8	8620.0	8826.3
40°	129.4	141.6	165.8	190.1	275.1	671.5	4178.5	8421.8	9170.1	9534.2
42.5°	109.2	121.4	137.5	178.0	226.5	497.5	3794.3	8769.7	9615.1	9922.5
45°	84.9	101.1	125.4	178.0	182.0	368.1	3397.8	9028.6	9865.9	10019.6
47.5°	64.7	80.9	121.4	153.7	145.6	254.8	2928.6	9323.8	10124.8	10266.3
50°	48.5	64.7	137.5	133.5	121.4	194.2	2633.3	9530.1	10140.9	10217.8
52.5°	32.4	48.5	113.3	101.1	101.1	169.9	2552.4	9522.1	10181.4	10015.5
55°	24.3	36.4	64.7	72.8	89.0	149.7	2479.6	9825.4	10193.5	10310.8
57.5°	16.2	28.3	44.5	56.6	76.9	129.4	2330.0	10189.5	10569.7	10630.4
60°	8.1	20.2	32.4	44.5	64.7	113.3	2119.6	10456.5	11026.8	11091.5
62.5°	4.0	12.1	24.3	36.4	52.6	89.0	1901.2	10031.7	10828.6	10941.9
65°	0.0	8.1	16.2	24.3	32.4	64.7	1545.2	9056.9	10043.9	10460.5
67.5°	0.0	0.0	8.1	16.2	20.2	48.5	1165.0	8239.8	9319.8	9886.1
70°	0.0	0.0	4.0	4.0	12.1	36.4	744.3	6824.0	8320.7	8632.1
72.5°	0.0	0.0	0.0	0.0	4.0	24.3	432.8	5068.5	6520.6	7099.1
75°	0.0	0.0	0.0	0.0	0.0	20.2	218.4	3260.3	4538.5	5315.2
77.5°	0.0	0.0	0.0	0.0	0.0	16.2	117.3	2103.4	3345.3	3996.5
80°	0.0	0.0	0.0	0.0	0.0	4.0	68.8	1221.6	2139.8	2592.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	28.3	598.7	1278.2	1496.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	8.1	319.6	639.1	841.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	44.5	84.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)