

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: P599620

Luminaire Tested: **IFLD-M-SA4D-830-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: P599620  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4D-830-U-SLL-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield  
 Light Source: (64) 3000K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

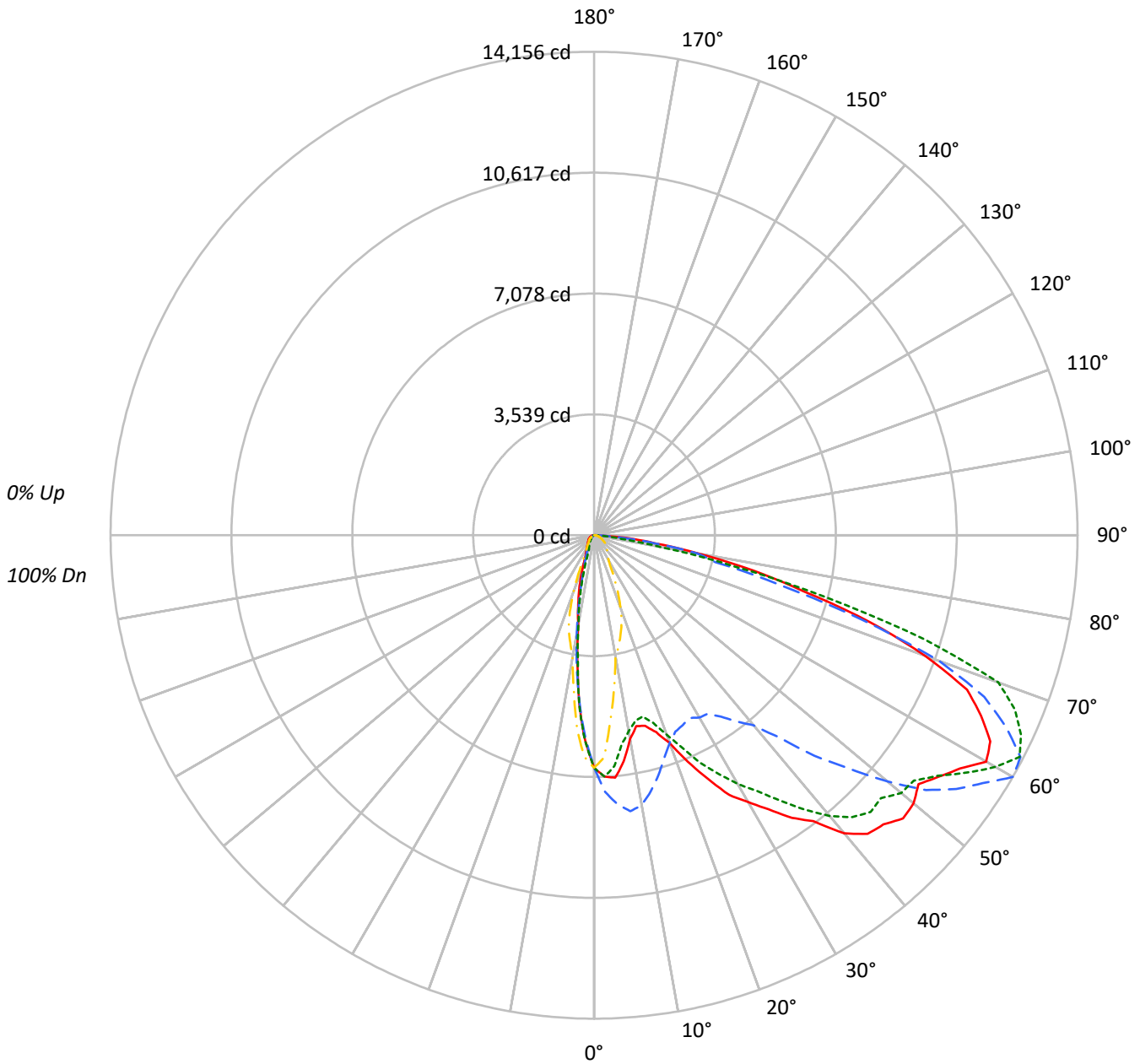
Lumens per Lamp: N/A  
 Luminaire Lumens: 18105.2 lumens  
 Efficiency: N/A  
 Efficacy: 72.5 lumens/watt  
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 249.7  
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16

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

	0°	90°	180°	270°
0°	73274	73274	73274	73274
5°	77002	73294	53546	53860
10°	66214	63678	29276	28588
15°	64383	61205	19019	14332
20°	74212	71110	10190	5095
25°	93310	87280	6603	3962
30°	112072	104440	5348	3245
35°	132717	124522	4384	2604
40°	160124	150749	3873	1970
45°	182303	174354	3606	1324
50°	204512	196578	3562	809
55°	231276	230460	3539	362
60°	285397	292163	3227	103
65°	318444	351198	2954	0
70°	324708	396375	2738	0
75°	264212	292359	2616	0
80°	192104	122275	2696	0
85°	124194	51352	3582	0

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	517.2	2.9
10°-20°	1014.1	5.6
20°-30°	1403.4	7.8
30°-40°	1983.3	11.0
40°-50°	2700.3	14.9
50°-60°	3576.4	19.8
60°-70°	4152.5	22.9
70°-80°	2351.6	13.0
80°-90°	406.3	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
0°-30°	2934.7	16.2
0°-40°	4918.0	27.2
0°-60°	11194.8	61.8
0°-90°	18105.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18105.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6807	6807	6807	6807	6807	
5°	7126	6783	4956	4985	7126	640
15°	5778	5492	1707	1286	5778	1695
25°	7857	7349	556	334	7857	3664
35°	10100	9476	334	198	10100	6367
45°	11976	11454	237	87	11976	9285
55°	12324	12280	189	19	12324	11166
65°	12503	13789	116	0	12503	12188
75°	6353	7030	63	0	6353	6934
85°	1006	416	29	0	1006	1208
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°	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4
2.5°	7073.4	7223.2	7228.1	7295.8	7363.4	7363.4	7523.0	7484.3	7344.1	7319.9	7218.4
5°	7126.5	7179.7	7218.4	7561.7	7851.8	7822.7	7909.8	7851.8	7581.0	7232.9	6996.0
7.5°	6667.2	6725.2	6880.0	7465.0	7856.6	7987.1	8151.5	7788.9	7503.6	6875.1	6420.6
10°	6058.0	6169.2	6454.5	7121.7	7605.2	8021.0	8021.0	7730.9	7179.7	6565.7	6009.7
12.5°	5719.6	5942.0	6096.7	6773.6	7402.1	7687.4	7677.7	7523.0	7165.2	6391.6	5763.1
15°	5777.6	5840.5	6169.2	6696.2	7112.0	7097.5	7271.6	7223.2	6971.8	6546.4	5855.0
17.5°	6043.5	6140.2	6425.5	6696.2	6894.5	6836.4	6831.6	7063.7	7078.2	6807.4	6198.2
20°	6478.7	6763.9	6899.3	6981.5	6739.7	6493.2	6464.2	6788.1	7039.5	7141.0	6609.2
22.5°	7174.9	7363.4	7639.0	7218.4	6589.9	6280.4	6222.4	6580.2	7087.9	7537.5	7141.0
25°	7856.6	8001.6	8267.6	7726.1	6759.1	6236.9	6135.4	6444.8	7271.6	8088.7	7784.1
27.5°	8577.0	8702.7	8731.7	8098.3	6850.9	6149.9	6029.0	6444.8	7426.3	8378.8	8552.8
30°	9016.9	9166.8	9195.8	8427.1	7000.8	6222.4	6164.4	6473.8	7532.7	8625.3	9104.0
32.5°	9510.1	9548.8	9524.6	8485.1	7165.2	6435.2	6193.4	6667.2	7653.5	8920.3	9606.8
35°	10100.0	10167.6	9921.1	8751.0	7532.7	6570.5	6483.5	6904.1	7861.4	9055.6	10216.0
37.5°	10549.6	10762.3	10206.3	8852.6	7605.2	6855.8	6870.3	7397.3	8006.5	9220.0	10888.0
40°	11395.7	11037.9	10689.8	9200.7	7880.8	7339.3	7261.9	7904.9	8494.8	9326.4	11328.0
42.5°	11859.8	11671.3	10878.4	9234.5	8306.2	8006.5	8025.8	8480.3	8751.0	9626.1	11448.9
45°	11975.9	11777.6	11134.6	9258.7	8726.9	8794.5	9128.2	9215.2	9128.2	9824.4	11676.1
47.5°	12270.8	11840.5	11105.6	9582.6	9408.6	9669.7	10095.1	10283.7	9640.6	9751.8	11782.5
50°	12212.8	11966.2	11042.7	9718.0	10240.2	10931.5	11216.8	11139.4	10211.2	9602.0	11666.4
52.5°	11971.0	11705.1	11236.1	10085.4	11018.6	11855.0	12251.4	12058.1	10718.8	9940.4	11589.1
55°	12324.0	12120.9	11487.5	10583.4	11603.6	12667.2	12947.7	12802.6	11342.5	10254.7	12029.0
57.5°	12705.9	12662.4	12169.3	11168.4	12295.0	13503.7	13503.7	13324.8	11884.0	10709.1	12681.7
60°	13257.1	13353.8	12672.1	11555.2	12531.9	13455.3	14156.4	13948.5	12430.3	11506.9	13421.5
62.5°	13078.2	13387.6	13319.9	12386.8	12802.6	13692.2	14074.2	14228.9	13107.2	12478.7	14407.8
65°	12502.9	12831.6	13315.1	12933.2	12599.6	13116.9	13310.3	13779.3	13445.7	13392.5	14813.9
67.5°	11816.3	12174.1	12473.9	13300.6	12188.6	12531.9	12362.6	12512.5	13078.2	14393.3	15046.0
70°	10317.5	10660.8	11134.6	12483.5	11100.8	10791.3	10747.8	10675.3	11555.2	14035.5	13992.0
72.5°	8485.1	8644.7	9427.9	10148.3	8214.4	8156.4	8224.0	8141.8	9162.0	12705.9	11985.5
75°	6353.0	6512.5	6957.3	7793.7	5593.9	5260.3	5647.1	6029.0	6996.0	9863.0	8610.8
77.5°	4776.8	4979.9	5260.3	5830.8	4104.8	3582.6	3635.8	3998.4	5057.2	7900.1	4825.2
80°	3099.1	3074.9	3616.4	4012.9	3089.5	3186.2	3050.8	3316.7	3664.8	4225.6	2465.8
82.5°	1788.9	1813.1	2040.3	2301.4	2151.5	2460.9	1774.4	2963.7	2615.6	1721.2	918.6
85°	1005.6	1049.2	1257.1	1595.5	1348.9	904.1	739.7	1469.8	1643.8	705.9	444.8
87.5°	101.5	87.0	169.2	604.4	367.4	149.9	222.4	352.9	396.5	265.9	130.5
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°	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4
2.5°	7073.4	7073.4	6952.5	6749.4	6667.2	6522.2	6324.0	6386.8	6319.1	6072.5	6009.7
5°	6783.3	6551.2	6299.8	5990.3	5811.5	5444.0	5328.0	5120.1	5153.9	4946.0	4955.7
7.5°	6178.9	5995.2	5569.7	5163.6	4810.7	4491.6	4041.9	3872.7	3708.3	3626.1	3722.8
10°	5826.0	5482.7	4902.5	4370.7	3901.7	3616.4	3316.7	3084.6	2871.9	2712.3	2678.5
12.5°	5569.7	5265.1	4564.1	3916.2	3548.8	3316.7	3041.1	2722.0	2514.1	2238.5	2156.3
15°	5492.4	5120.1	4380.4	3737.3	3379.5	2997.6	2683.3	2369.1	2098.3	1808.2	1706.7
17.5°	5758.3	5328.0	4375.5	3592.3	3089.5	2678.5	2243.4	1890.4	1614.8	1348.9	1286.1
20°	6207.9	5550.4	4515.7	3505.2	2813.9	2262.7	1769.5	1416.6	1107.2	933.1	889.6
22.5°	6720.4	5927.5	4530.2	3273.2	2538.3	1846.9	1290.9	933.1	759.1	676.9	652.7
25°	7348.9	6531.8	4704.3	3084.6	2214.4	1402.1	918.6	715.6	614.0	565.7	556.0
27.5°	7866.3	6952.5	4892.8	2886.4	1895.3	1039.5	720.4	585.0	531.8	483.5	478.6
30°	8402.9	7436.0	4946.0	2765.5	1619.7	855.8	618.9	517.3	459.3	435.1	430.3
32.5°	8871.9	7963.0	5115.2	2567.3	1358.6	754.2	560.8	464.1	425.5	386.8	382.0
35°	9476.3	8267.6	5197.4	2460.9	1261.9	681.7	512.5	425.5	367.4	343.3	333.6
37.5°	10124.1	8562.5	5250.6	2378.7	1179.7	638.2	483.5	401.3	348.1	314.3	304.6
40°	10728.5	8978.3	5173.3	2277.2	1116.8	585.0	464.1	372.3	323.9	290.1	275.6
42.5°	11192.6	9384.4	5149.1	2180.5	1049.2	565.7	440.0	357.8	304.6	265.9	261.1
45°	11453.7	9660.0	4979.9	2103.1	996.0	575.3	430.3	338.4	290.1	256.2	236.9
47.5°	11390.8	9872.7	5023.4	2079.0	923.5	536.7	425.5	323.9	265.9	236.9	222.4
50°	11739.0	10303.0	4950.9	2001.6	870.3	483.5	464.1	323.9	261.1	227.2	212.7
52.5°	11797.0	10694.6	5105.6	1861.4	788.1	444.8	459.3	319.1	251.4	217.6	198.2
55°	12280.5	11149.1	5405.3	1784.1	720.4	386.8	420.6	309.4	227.2	198.2	188.6
57.5°	12938.0	12091.9	5598.7	1711.5	628.5	338.4	352.9	304.6	207.9	183.7	169.2
60°	13571.4	12469.0	5613.2	1581.0	541.5	304.6	275.6	304.6	193.4	164.4	149.9
62.5°	14045.2	12469.0	5516.5	1469.8	473.8	270.8	241.7	290.1	174.1	145.0	135.4
65°	13788.9	12135.4	5265.1	1377.9	430.3	236.9	207.9	222.4	154.7	125.7	116.0
67.5°	13329.6	11095.9	4709.1	1266.7	425.5	207.9	178.9	164.4	135.4	111.2	101.5
70°	12594.7	9693.8	3921.0	1141.0	415.8	188.6	159.5	140.2	120.9	96.7	87.0
72.5°	10148.3	8006.5	3220.0	1068.5	406.1	164.4	135.4	120.9	101.5	82.2	72.5
75°	7029.8	5115.2	2480.3	913.8	396.5	149.9	125.7	106.4	87.0	67.7	62.9
77.5°	4216.0	3418.2	1600.3	686.5	261.1	120.9	106.4	82.2	72.5	58.0	53.2
80°	1972.6	1614.8	647.9	265.9	125.7	87.0	72.5	62.9	58.0	48.3	43.5
82.5°	773.6	681.7	314.3	154.7	101.5	67.7	58.0	53.2	48.3	38.7	33.8
85°	415.8	367.4	149.9	106.4	72.5	48.3	48.3	43.5	38.7	33.8	29.0
87.5°	91.9	67.7	62.9	62.9	53.2	38.7	38.7	33.8	29.0	24.2	19.3
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°	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4
2.5°	5975.8	6048.4	5932.3	6004.9	5903.3	5980.7	5990.3	5917.8	5937.2	6033.9	6077.4
5°	5091.1	5042.7	4936.4	4902.5	4907.3	4844.5	4868.7	4902.5	4955.7	4984.7	5071.7
7.5°	3669.6	3780.8	3776.0	3858.2	3863.0	3853.4	3785.7	3640.6	3689.0	3650.3	3698.6
10°	2625.3	2673.7	2765.5	2818.7	2915.4	2862.2	2707.5	2649.5	2620.5	2615.6	2664.0
12.5°	2098.3	1982.3	1972.6	1991.9	2040.3	1977.4	1900.1	1832.4	1866.2	1933.9	1987.1
15°	1624.5	1527.8	1402.1	1382.8	1392.4	1363.4	1281.2	1194.2	1218.4	1286.1	1324.7
17.5°	1247.4	1136.2	1049.2	991.1	971.8	870.3	749.4	676.9	657.5	652.7	686.5
20°	841.3	821.9	807.4	734.9	734.9	589.8	488.3	435.1	435.1	444.8	449.6
22.5°	628.5	604.4	609.2	594.7	556.0	440.0	386.8	372.3	372.3	382.0	382.0
25°	546.3	512.5	502.8	498.0	459.3	377.1	338.4	323.9	323.9	333.6	333.6
27.5°	464.1	454.5	440.0	420.6	386.8	323.9	299.8	285.3	290.1	294.9	290.1
30°	425.5	401.3	382.0	382.0	343.3	290.1	270.8	261.1	251.4	261.1	265.9
32.5°	377.1	362.6	352.9	338.4	294.9	256.2	236.9	227.2	222.4	222.4	227.2
35°	323.9	323.9	314.3	294.9	256.2	232.1	207.9	198.2	193.4	198.2	198.2
37.5°	290.1	275.6	280.4	261.1	227.2	203.1	178.9	169.2	169.2	164.4	169.2
40°	270.8	246.6	232.1	222.4	203.1	174.1	154.7	145.0	140.2	140.2	140.2
42.5°	241.7	222.4	193.4	188.6	183.7	149.9	125.7	120.9	116.0	111.2	111.2
45°	227.2	198.2	174.1	149.9	149.9	125.7	106.4	96.7	91.9	87.0	91.9
47.5°	207.9	178.9	149.9	125.7	120.9	101.5	82.2	72.5	67.7	67.7	67.7
50°	198.2	159.5	130.5	106.4	91.9	82.2	62.9	53.2	48.3	48.3	48.3
52.5°	183.7	149.9	116.0	91.9	72.5	62.9	48.3	38.7	33.8	33.8	33.8
55°	164.4	135.4	101.5	77.4	62.9	48.3	33.8	24.2	19.3	19.3	19.3
57.5°	154.7	120.9	87.0	67.7	48.3	33.8	19.3	14.5	14.5	9.7	14.5
60°	140.2	106.4	72.5	53.2	38.7	24.2	14.5	4.8	4.8	4.8	4.8
62.5°	120.9	91.9	62.9	43.5	29.0	14.5	4.8	0.0	0.0	0.0	0.0
65°	101.5	72.5	48.3	33.8	19.3	4.8	0.0	0.0	0.0	0.0	0.0
67.5°	87.0	62.9	38.7	24.2	14.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	77.4	53.2	29.0	19.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	62.9	43.5	24.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	53.2	33.8	14.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	43.5	24.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	33.8	19.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	29.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.5	4.8	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: P599620  
 CATALOG NUMBER: IFLD-M-SA4D-830-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4	6807.4
2.5°	6140.2	6111.2	6256.3	6493.2	6614.0	6850.9	6909.0	7058.8	7020.2	7073.4
5°	5081.4	5139.4	5352.2	5700.3	5826.0	6169.2	6493.2	6817.1	7025.0	7126.5
7.5°	3771.2	3964.6	4225.6	4544.7	4868.7	5318.3	5869.5	6246.6	6449.7	6667.2
10°	2809.0	3016.9	3316.7	3631.0	4158.0	4660.8	5211.9	5680.9	5855.0	6058.0
12.5°	2209.5	2533.4	2881.6	3220.0	3534.3	4012.9	4694.6	5376.3	5564.9	5719.6
15°	1537.5	1933.9	2431.9	2871.9	3311.9	3727.7	4433.5	5260.3	5516.5	5777.6
17.5°	850.9	1165.2	1735.7	2354.6	3002.4	3640.6	4520.6	5473.0	5859.8	6043.5
20°	493.2	618.9	1025.0	1759.9	2615.6	3452.1	4564.1	5874.3	6386.8	6478.7
22.5°	406.1	449.6	580.2	1102.3	2141.8	3331.2	4786.5	6435.2	6957.3	7174.9
25°	348.1	382.0	449.6	662.4	1619.7	3074.9	4926.7	7136.2	7619.7	7856.6
27.5°	309.4	343.3	396.5	488.3	1102.3	2722.0	5158.8	7769.6	8253.0	8577.0
30°	270.8	299.8	352.9	415.8	763.9	2325.6	5357.0	8233.7	8915.4	9016.9
32.5°	241.7	265.9	304.6	357.8	565.7	1764.7	5516.5	8712.4	9287.7	9510.1
35°	207.9	236.9	261.1	304.6	430.3	1329.6	5419.8	9084.6	9834.0	10100.0
37.5°	183.7	203.1	227.2	256.2	362.6	1039.5	5221.6	9529.4	10303.0	10549.6
40°	154.7	169.2	198.2	227.2	328.8	802.6	4994.4	10066.1	10960.5	11395.7
42.5°	130.5	145.0	164.4	212.7	270.8	594.7	4535.1	10481.9	11492.4	11859.8
45°	101.5	120.9	149.9	212.7	217.6	440.0	4061.3	10791.3	11792.1	11975.9
47.5°	77.4	96.7	145.0	183.7	174.1	304.6	3500.4	11144.3	12101.6	12270.8
50°	58.0	77.4	164.4	159.5	145.0	232.1	3147.5	11390.8	12120.9	12212.8
52.5°	38.7	58.0	135.4	120.9	120.9	203.1	3050.8	11381.2	12169.3	11971.0
55°	29.0	43.5	77.4	87.0	106.4	178.9	2963.7	11743.8	12183.8	12324.0
57.5°	19.3	33.8	53.2	67.7	91.9	154.7	2784.9	12178.9	12633.4	12705.9
60°	9.7	24.2	38.7	53.2	77.4	135.4	2533.4	12498.0	13179.7	13257.1
62.5°	4.8	14.5	29.0	43.5	62.9	106.4	2272.4	11990.4	12942.8	13078.2
65°	0.0	9.7	19.3	29.0	38.7	77.4	1846.9	10825.2	12004.9	12502.9
67.5°	0.0	0.0	9.7	19.3	24.2	58.0	1392.4	9848.5	11139.4	11816.3
70°	0.0	0.0	4.8	4.8	14.5	43.5	889.6	8156.4	9945.2	10317.5
72.5°	0.0	0.0	0.0	0.0	4.8	29.0	517.3	6058.0	7793.7	8485.1
75°	0.0	0.0	0.0	0.0	0.0	24.2	261.1	3896.9	5424.7	6353.0
77.5°	0.0	0.0	0.0	0.0	0.0	19.3	140.2	2514.1	3998.4	4776.8
80°	0.0	0.0	0.0	0.0	0.0	4.8	82.2	1460.1	2557.6	3099.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	33.8	715.6	1527.8	1788.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	9.7	382.0	763.9	1005.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	53.2	101.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)