

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: P598780

Luminaire Tested: **IFLD-M-SA4E-760-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598780  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4E-760-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (64) 5700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

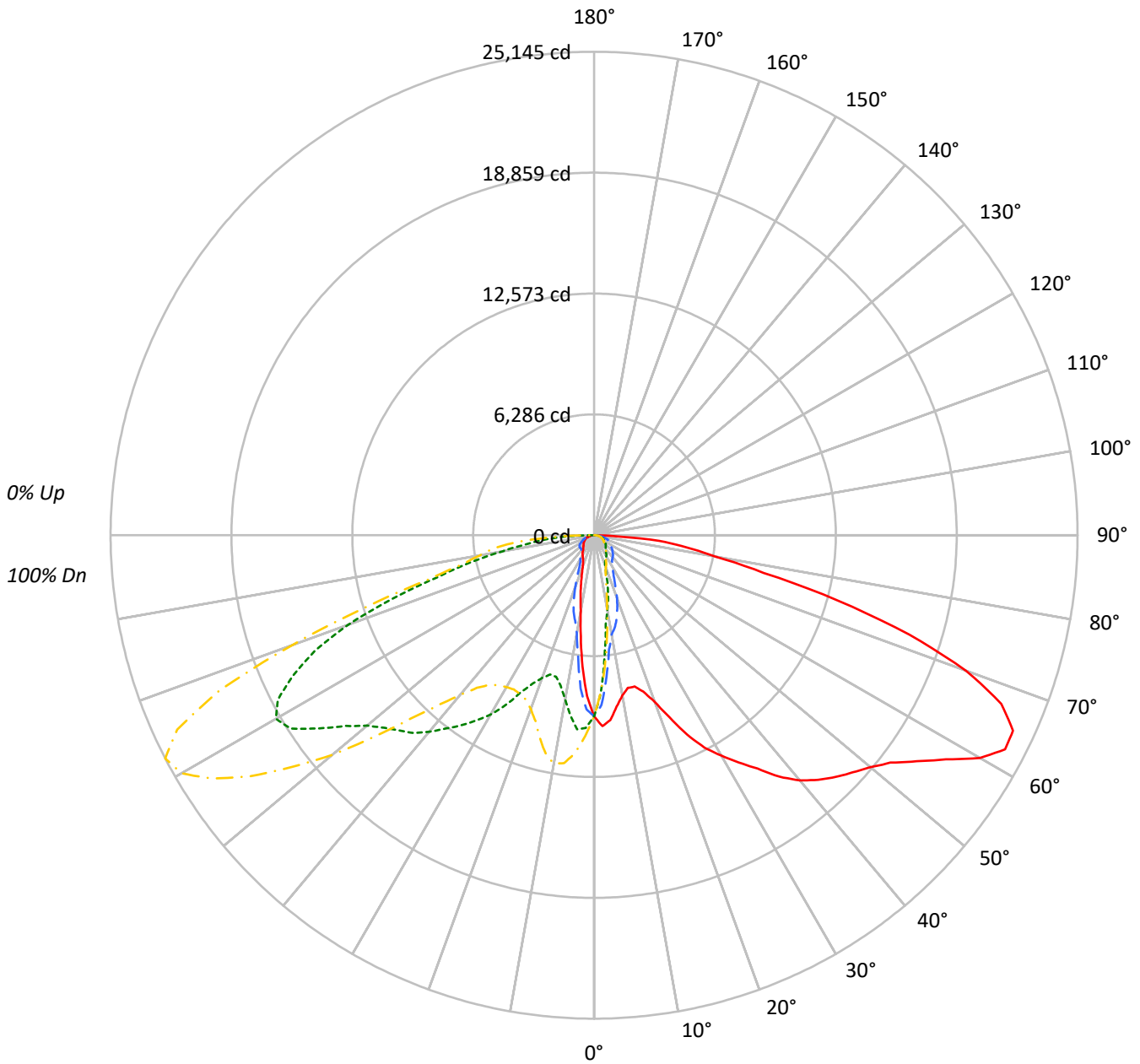
Lumens per Lamp: N/A  
 Luminaire Lumens: 31500.0 lumens  
 Efficiency: N/A  
 Efficacy: 100.1 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 314.8  
 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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### 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				
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77				
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59				
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46				
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36				
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30				
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25				
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21				
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18				
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16				
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14				

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

	0°	90°	180°	270°
0°	101284	101284	101284	101284
5°	104235	67781	74047	109504
10°	92476	43070	43501	94637
15°	90759	30547	28931	84884
20°	105521	19323	19474	90425
25°	135703	16591	16121	106903
30°	164456	15725	14742	133825
35°	194646	13854	13335	158627
40°	233881	13148	12222	187401
45°	270628	13040	11835	218468
50°	314259	13241	11918	257984
55°	384578	13602	12119	328684
60°	498763	13619	12766	411095
65°	612241	13761	13091	440048
70°	647849	14518	13687	428445
75°	545347	15346	13703	349681
80°	396202	17970	13885	302254
85°	419919	26047	11399	314128

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	728.2	2.3
10°-20°	1524.1	4.8
20°-30°	2196.4	7.0
30°-40°	3161.9	10.0
40°-50°	4491.2	14.3
50°-60°	6457.1	20.5
60°-70°	7460.1	23.7
70°-80°	4224.0	13.4
80°-90°	1257.1	4.0
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°	4448.7	14.1
0°-40°	7610.5	24.2
0°-60°	18558.8	58.9
0°-90°	31500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31500.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9410	9410	9410	9410	9410	
5°	9647	6273	6853	10134	9647	875
15°	8144	2741	2596	7617	8144	2395
25°	11426	1397	1357	9001	11426	5303
35°	14813	1054	1015	12072	14813	9401
45°	17778	857	778	14352	17778	13766
55°	20493	725	646	17515	20493	18560
65°	24038	540	514	17277	24038	23051
75°	13113	369	330	8408	13113	13913
85°	3400	211	92	2544	3400	3386
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°	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6
2.5°	9936.8	9923.6	9844.5	9594.1	9330.6	9080.2	8843.0	8592.6	8460.8	8302.6	8236.7
5°	9646.9	9620.5	9396.5	8843.0	8355.3	7828.2	7380.1	7024.3	6734.4	6444.4	6339.0
7.5°	8987.9	8948.4	8684.8	7920.4	7208.8	6523.5	5983.2	5521.9	5139.7	4968.4	4770.7
10°	8460.8	8394.9	8052.2	7208.8	6286.3	5601.0	5245.1	4928.9	4599.4	4322.6	4032.7
12.5°	8131.3	8052.2	7696.4	6708.0	5811.8	5297.9	4928.9	4573.0	4164.5	3821.8	3505.6
15°	8144.5	8052.2	7617.3	6576.2	5693.2	5034.3	4520.3	4032.7	3558.3	3176.1	2820.3
17.5°	8526.7	8408.1	7946.8	6760.7	5601.0	4691.6	4006.3	3373.8	2833.4	2424.9	2135.0
20°	9212.0	9132.9	8605.7	7037.5	5508.7	4322.6	3479.2	2714.8	2148.1	1831.8	1713.2
22.5°	10239.9	10147.7	9581.0	7459.2	5482.4	3993.2	2912.5	2135.0	1726.4	1594.6	1528.7
25°	11426.0	11254.7	10727.5	8170.8	5535.1	3690.1	2451.3	1766.0	1541.9	1449.7	1410.1
27.5°	12453.9	12348.5	11755.5	8843.0	5561.4	3452.8	2135.0	1607.8	1436.5	1357.4	1331.1
30°	13231.5	13191.9	12612.1	9581.0	5495.5	3162.9	1937.3	1541.9	1436.5	1357.4	1278.3
32.5°	14009.0	14022.2	13402.8	10147.7	5403.3	2912.5	1752.8	1370.6	1265.2	1212.4	1225.6
35°	14812.9	14878.8	14351.7	10701.2	5205.6	2820.3	1621.0	1278.3	1186.1	1107.0	1067.5
37.5°	15827.7	15999.0	15485.1	11320.6	5007.9	2741.2	1555.1	1212.4	1120.2	1054.3	1001.6
40°	16644.8	16961.1	16658.0	11900.4	4876.1	2648.9	1502.4	1146.6	1080.7	1001.6	962.1
42.5°	17251.0	17620.0	17514.6	12348.5	4876.1	2556.7	1449.7	1107.0	1054.3	962.1	909.3
45°	17778.2	18160.3	18147.2	12809.8	4981.6	2504.0	1383.8	1107.0	1027.9	935.7	883.0
47.5°	18252.6	18634.8	18766.6	13389.6	5152.9	2477.6	1304.7	1080.7	1027.9	922.5	843.4
50°	18766.6	19188.3	19583.7	14312.1	5363.8	2411.7	1252.0	1041.1	1041.1	909.3	817.1
52.5°	19425.5	19899.9	20624.8	15458.7	5574.6	2293.1	1172.9	1014.8	1041.1	896.2	790.7
55°	20493.0	20888.3	21837.2	16829.3	5838.2	2148.1	1107.0	948.9	988.4	856.6	751.2
57.5°	21692.3	22034.9	22825.6	17883.6	5917.3	1963.6	1014.8	883.0	948.9	817.1	698.5
60°	23168.3	23339.6	23339.6	18186.7	5653.7	1792.3	948.9	830.3	856.6	777.5	658.9
62.5°	24104.0	24104.0	23339.6	17633.2	5152.9	1647.3	896.2	777.5	751.2	724.8	619.4
65°	24038.1	23932.6	22799.3	16025.4	4573.0	1555.1	843.4	711.7	672.1	658.9	579.9
67.5°	22931.1	22746.6	21204.6	13758.6	3966.8	1515.6	790.7	645.8	619.4	593.0	527.2
70°	20585.2	20110.8	18213.1	11070.2	3373.8	1489.2	777.5	593.0	566.7	540.3	487.6
72.5°	17185.1	16578.9	14219.9	8513.5	2833.4	1396.9	738.0	527.2	514.0	487.6	434.9
75°	13112.9	11992.7	9923.6	6510.3	2200.9	1212.4	632.6	461.3	461.3	448.1	395.4
77.5°	9040.6	8460.8	6918.9	4810.3	1607.8	935.7	514.0	408.5	408.5	421.7	369.0
80°	6391.7	5851.4	4928.9	3452.8	1014.8	632.6	395.4	342.6	382.2	408.5	342.6
82.5°	4889.3	4494.0	3663.7	2517.1	593.0	434.9	303.1	276.8	329.5	355.8	289.9
85°	3400.1	2925.7	1858.2	1686.9	342.6	263.6	224.0	224.0	289.9	355.8	263.6
87.5°	962.1	408.5	118.6	500.8	145.0	105.4	79.1	52.7	79.1	79.1	52.7
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°	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6
2.5°	8170.8	8091.8	8091.8	8065.4	8078.6	8091.8	8078.6	8170.8	8210.4	8263.1	8368.5
5°	6273.1	6378.5	6299.5	6378.5	6484.0	6642.1	6681.6	6800.2	6813.4	6905.7	6853.0
7.5°	4652.1	4638.9	4573.0	4665.3	4955.2	5179.3	5284.7	5350.6	5363.8	5363.8	5297.9
10°	3940.5	3821.8	3703.2	3637.3	3663.7	3900.9	3980.0	4019.5	3993.2	4032.7	3980.0
12.5°	3373.8	3268.3	3097.0	2978.4	2899.3	2965.2	3044.3	3083.8	3110.2	3176.1	3228.8
15°	2741.2	2635.8	2530.3	2464.4	2398.5	2345.8	2411.7	2451.3	2517.1	2569.9	2596.2
17.5°	2082.2	2029.5	1976.8	2016.4	2016.4	1990.0	2016.4	2029.5	2055.9	2095.4	2082.2
20°	1686.9	1673.7	1660.5	1726.4	1779.1	1779.1	1805.5	1766.0	1752.8	1713.2	1700.1
22.5°	1502.4	1502.4	1515.6	1568.3	1621.0	1647.3	1647.3	1581.5	1515.6	1489.2	1502.4
25°	1396.9	1396.9	1436.5	1449.7	1476.0	1476.0	1489.2	1423.3	1383.8	1344.2	1357.4
27.5°	1317.9	1317.9	1331.1	1331.1	1344.2	1344.2	1357.4	1331.1	1278.3	1265.2	1265.2
30°	1265.2	1265.2	1252.0	1252.0	1252.0	1252.0	1265.2	1225.6	1199.3	1186.1	1186.1
32.5°	1212.4	1199.3	1186.1	1186.1	1172.9	1172.9	1186.1	1146.6	1133.4	1133.4	1133.4
35°	1054.3	1041.1	1054.3	1080.7	1080.7	1093.8	1093.8	1080.7	1054.3	1027.9	1014.8
37.5°	988.4	975.2	975.2	975.2	1001.6	1014.8	1027.9	1001.6	962.1	922.5	922.5
40°	935.7	935.7	922.5	922.5	922.5	948.9	975.2	935.7	883.0	869.8	869.8
42.5°	896.2	883.0	869.8	856.6	843.4	883.0	909.3	856.6	830.3	830.3	830.3
45°	856.6	843.4	830.3	817.1	803.9	817.1	843.4	790.7	777.5	777.5	777.5
47.5°	817.1	803.9	777.5	764.4	751.2	751.2	777.5	738.0	724.8	738.0	738.0
50°	790.7	764.4	738.0	724.8	711.7	711.7	711.7	698.5	698.5	698.5	711.7
52.5°	764.4	738.0	698.5	685.3	672.1	672.1	672.1	672.1	658.9	672.1	685.3
55°	724.8	698.5	672.1	658.9	645.8	632.6	645.8	632.6	632.6	645.8	645.8
57.5°	672.1	645.8	619.4	619.4	606.2	606.2	619.4	606.2	606.2	619.4	619.4
60°	632.6	606.2	579.9	579.9	566.7	579.9	593.0	579.9	579.9	579.9	593.0
62.5°	579.9	566.7	540.3	540.3	540.3	540.3	553.5	540.3	553.5	553.5	553.5
65°	540.3	514.0	500.8	500.8	500.8	500.8	527.2	500.8	514.0	514.0	514.0
67.5°	500.8	474.4	461.3	461.3	461.3	461.3	487.6	461.3	474.4	487.6	474.4
70°	461.3	434.9	421.7	421.7	421.7	421.7	434.9	421.7	421.7	434.9	434.9
72.5°	408.5	395.4	382.2	382.2	369.0	382.2	395.4	382.2	382.2	382.2	382.2
75°	369.0	355.8	355.8	342.6	342.6	342.6	355.8	329.5	329.5	329.5	329.5
77.5°	342.6	316.3	316.3	316.3	303.1	316.3	303.1	276.8	276.8	276.8	276.8
80°	289.9	263.6	276.8	276.8	263.6	263.6	250.4	224.0	224.0	224.0	224.0
82.5°	237.2	210.9	224.0	224.0	224.0	224.0	197.7	184.5	171.3	158.1	158.1
85°	210.9	171.3	197.7	197.7	184.5	184.5	131.8	131.8	105.4	105.4	92.3
87.5°	39.5	26.4	52.7	65.9	65.9	79.1	52.7	65.9	39.5	26.4	26.4
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6
2.5°	8355.3	8500.3	8698.0	8843.0	9067.0	9238.3	9501.9	9725.9	9936.8	10029.0	10121.3
5°	7011.1	7103.4	7406.5	7643.7	7999.5	8381.7	8856.1	9370.1	9897.3	10134.5	10411.2
7.5°	5245.1	5416.5	5587.8	5930.4	6365.3	6984.7	7591.0	8355.3	9093.4	9449.2	9923.6
10°	4072.2	4204.0	4401.7	4757.5	5166.1	5680.0	6404.9	7314.2	8197.2	8658.5	9146.1
12.5°	3268.3	3452.8	3716.4	4085.4	4559.9	5087.0	5614.2	6457.6	7485.5	8012.7	8566.2
15°	2648.9	2793.9	3083.8	3545.1	4098.6	4638.9	5192.4	5890.9	7011.1	7617.3	8276.3
17.5°	2108.6	2214.0	2477.6	2938.9	3492.4	4098.6	4731.2	5614.2	6853.0	7591.0	8368.5
20°	1713.2	1792.3	1963.6	2306.3	2833.4	3492.4	4283.1	5350.6	6945.2	7894.1	8843.0
22.5°	1502.4	1528.7	1607.8	1792.3	2227.2	2925.7	3874.6	5126.5	7116.5	8342.2	9620.5
25°	1357.4	1383.8	1410.1	1528.7	1779.1	2438.1	3518.7	4994.8	7485.5	9001.1	10516.7
27.5°	1265.2	1291.5	1304.7	1357.4	1528.7	2082.2	3215.6	4915.7	7986.3	9963.1	11623.7
30°	1186.1	1186.1	1225.6	1304.7	1423.3	1831.8	2952.0	4731.2	8513.5	10767.1	12493.5
32.5°	1120.2	1133.4	1186.1	1225.6	1304.7	1621.0	2688.5	4494.0	8987.9	11426.0	13350.1
35°	1001.6	1001.6	1014.8	1080.7	1186.1	1449.7	2451.3	4256.7	9251.5	12071.8	14114.5
37.5°	922.5	935.7	962.1	1014.8	1107.0	1331.1	2253.6	3993.2	9528.2	12678.0	15010.6
40°	869.8	883.0	909.3	962.1	1054.3	1225.6	2082.2	3782.3	9818.2	13336.9	15972.7
42.5°	830.3	843.4	869.8	922.5	1001.6	1199.3	1897.7	3611.0	9989.5	13943.1	16882.0
45°	790.7	803.9	843.4	896.2	962.1	1172.9	1792.3	3492.4	10055.4	14351.7	17606.8
47.5°	751.2	764.4	803.9	883.0	962.1	1133.4	1752.8	3426.5	10108.1	14812.9	18186.7
50°	711.7	738.0	790.7	869.8	975.2	1080.7	1726.4	3413.3	10411.2	15406.0	18740.2
52.5°	685.3	724.8	777.5	869.8	962.1	1001.6	1713.2	3452.8	11017.5	16289.0	19530.9
55°	658.9	698.5	751.2	869.8	922.5	935.7	1647.3	3518.7	11940.0	17514.6	20651.1
57.5°	632.6	658.9	724.8	843.4	869.8	883.0	1515.6	3611.0	12862.5	18713.9	21797.7
60°	593.0	619.4	685.3	843.4	790.7	830.3	1344.2	3637.3	13521.4	19096.0	21903.1
62.5°	553.5	579.9	645.8	869.8	724.8	777.5	1199.3	3545.1	13653.2	18542.5	21310.1
65°	514.0	540.3	593.0	724.8	672.1	724.8	1107.0	3294.7	13218.3	17277.4	20229.4
67.5°	474.4	500.8	540.3	593.0	606.2	658.9	1067.5	2899.3	12124.5	15709.1	18753.4
70°	421.7	448.1	487.6	527.2	540.3	619.4	1001.6	2517.1	10358.5	13613.7	16947.9
72.5°	382.2	395.4	434.9	461.3	487.6	566.7	962.1	2200.9	7920.4	11017.5	13824.5
75°	329.5	329.5	369.0	395.4	421.7	500.8	883.0	1831.8	5587.8	8408.1	10160.8
77.5°	276.8	276.8	303.1	329.5	355.8	434.9	751.2	1489.2	3874.6	6668.5	7366.9
80°	210.9	210.9	237.2	263.6	289.9	369.0	606.2	1093.8	2398.5	4876.1	5363.8
82.5°	145.0	145.0	184.5	197.7	210.9	289.9	461.3	751.2	1410.1	3518.7	3835.0
85°	79.1	79.1	105.4	118.6	145.0	210.9	342.6	527.2	843.4	2543.5	2556.7
87.5°	13.2	13.2	39.5	39.5	65.9	105.4	197.7	289.9	474.4	1410.1	896.2
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: P598780  
 CATALOG NUMBER: IFLD-M-SA4E-760-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6	9409.6
2.5°	10292.6	10437.6	10450.8	10450.8	10384.9	10398.0	10213.5	10015.9	9950.0	9936.8
5°	10832.9	11215.1	11320.6	11373.3	11202.0	10938.4	10463.9	9950.0	9686.4	9646.9
7.5°	10727.5	11491.9	11900.4	11953.1	11610.5	10991.1	10160.8	9370.1	9067.0	8987.9
10°	10108.1	11136.1	11874.1	12058.6	11689.6	10898.8	9818.2	8895.7	8526.7	8460.8
12.5°	9673.2	10661.6	11386.5	11636.9	11465.5	10780.2	9646.9	8592.6	8223.6	8131.3
15°	9436.0	10345.3	10819.8	10898.8	10885.7	10595.7	9646.9	8658.5	8249.9	8144.5
17.5°	9633.7	10253.1	10319.0	10134.5	10239.9	10384.9	9857.7	9014.3	8618.9	8526.7
20°	10029.0	10213.5	9897.3	9620.5	9673.2	10134.5	10187.2	9686.4	9370.1	9212.0
22.5°	10859.3	10358.5	9633.7	9251.5	9291.0	9936.8	10622.1	10595.7	10319.0	10239.9
25°	11702.7	10767.1	9554.6	9106.5	9159.2	9897.3	11136.1	11610.5	11465.5	11426.0
27.5°	12638.4	11452.4	9607.3	9040.6	9106.5	9950.0	11491.9	12467.1	12493.5	12453.9
30°	13271.0	11781.8	9765.5	9119.7	9212.0	10081.8	11571.0	12981.1	13218.3	13231.5
32.5°	13798.2	12111.3	10094.9	9251.5	9409.6	10319.0	11781.8	13468.7	13995.9	14009.0
35°	14219.9	12480.3	10503.5	9488.7	9725.9	10714.3	12058.6	13930.0	14720.7	14812.9
37.5°	14760.2	12888.8	10977.9	10002.7	10266.3	11281.0	12546.2	14470.3	15577.3	15827.7
40°	15340.1	13297.4	11663.2	10832.9	11215.1	12124.5	13099.7	15076.5	16302.1	16644.8
42.5°	15985.8	13732.3	12440.8	11953.1	12533.0	13191.9	13732.3	15630.0	16855.6	17251.0
45°	16618.4	14259.4	13574.1	13481.9	14127.6	14457.1	14351.7	16025.4	17382.8	17778.2
47.5°	17066.5	15023.8	14944.7	15498.2	16104.5	15933.1	15076.5	16315.3	17817.7	18252.6
50°	17475.0	15972.7	16671.1	17751.8	18120.8	17540.9	15854.1	16710.7	18279.0	18766.6
52.5°	18081.3	16987.4	18450.3	19794.5	20150.3	19227.8	16697.5	17356.4	18990.6	19425.5
55°	19320.1	18134.0	20308.5	21850.4	21916.3	20769.7	17830.9	18450.3	19992.2	20493.0
57.5°	20703.8	19544.1	21784.5	23550.5	23524.1	22311.7	19109.2	19926.3	21349.6	21692.3
60°	21955.8	20967.4	23392.3	24762.9	24697.0	23431.9	20598.4	21600.0	22904.7	23168.3
62.5°	22693.8	22258.9	24104.0	25145.1	24894.7	23800.9	21863.6	23089.2	24011.7	24104.0
65°	22575.2	22997.0	23273.7	23919.5	23563.6	22772.9	22483.0	24038.1	24130.3	24038.1
67.5°	21679.1	22575.2	20993.8	21059.7	20875.2	20203.1	21520.9	23787.7	23155.1	22931.1
70°	20321.7	20387.6	17554.1	16723.9	17013.8	16091.3	18463.5	21837.2	20862.0	20585.2
72.5°	18068.1	17251.0	13271.0	12427.6	12862.5	12203.5	14812.9	19030.1	18081.3	17185.1
75°	15155.6	13666.4	10108.1	8908.8	9132.9	9106.5	11478.7	15722.3	14009.0	13112.9
77.5°	11742.3	10648.4	7459.2	6997.9	6760.7	6813.4	8012.7	11689.6	10160.8	9040.6
80°	8579.4	7446.0	5772.3	6035.9	5904.1	5587.8	5614.2	7828.2	7063.8	6391.7
82.5°	5930.4	5297.9	4678.5	5284.7	4968.4	4480.8	4375.4	5640.5	5297.9	4889.3
85°	3980.0	4362.2	3716.4	4045.9	3505.6	3228.8	4111.8	4718.0	3808.7	3400.1
87.5°	2596.2	3993.2	2675.3	2029.5	1159.7	1555.1	2517.1	3097.0	1779.1	962.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)