

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: P599150

Luminaire Tested: **IFLD-S-SA6C-727-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599150  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6C-727-U-SLR-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield  
 Light Source: (96) 2700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

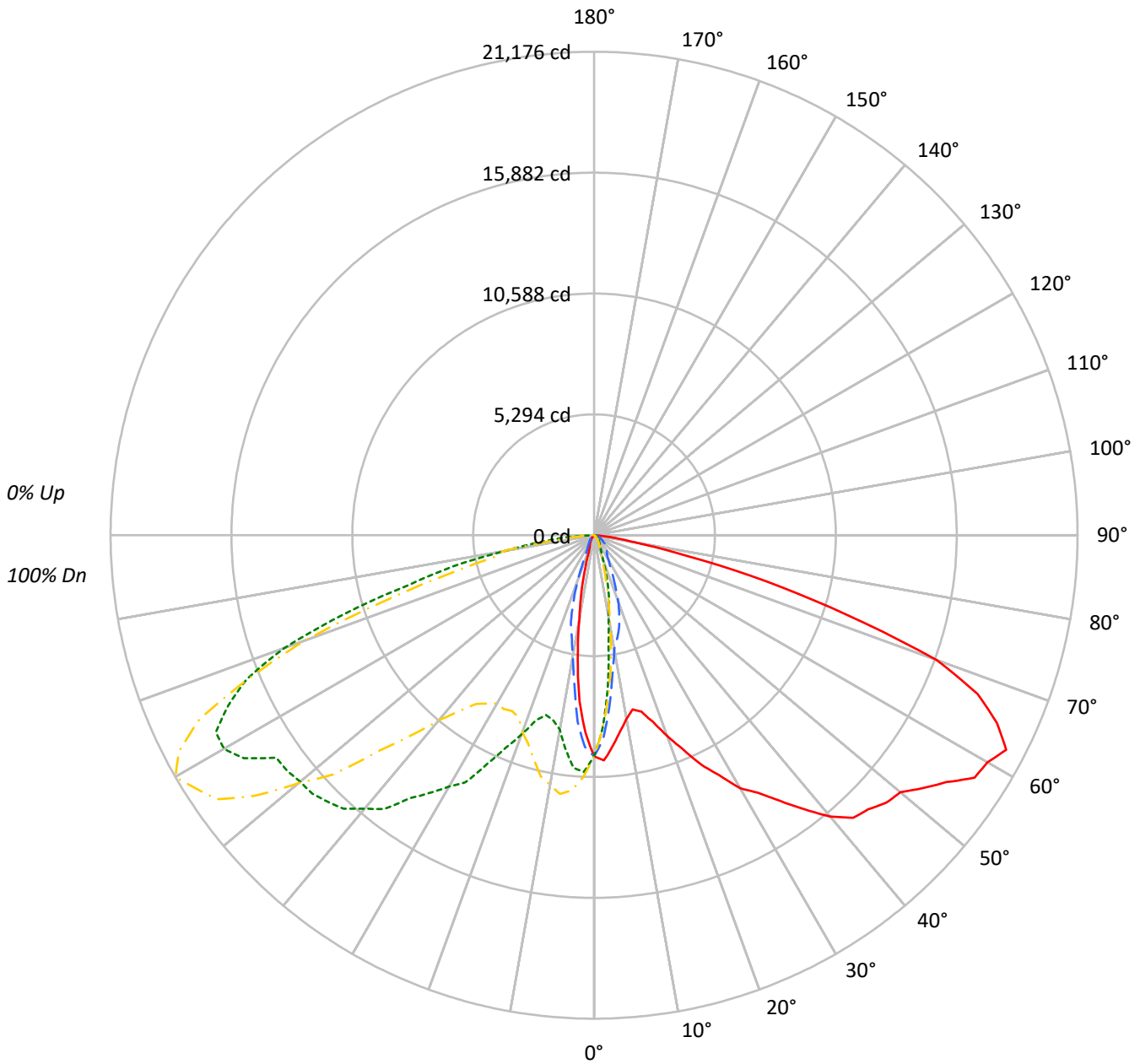
Lumens per Lamp: N/A  
 Luminaire Lumens: 25312.3 lumens  
 Efficiency: N/A  
 Efficacy: 78.7 lumens/watt  
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 321.5  
 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

TEST NUMBER: P599150  
CATALOG NUMBER: IFLD-S-SA6C-727-U-SLR-HSS

### Luminous Intensity Polar Plot



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

TEST NUMBER: P599150  
 CATALOG NUMBER: IFLD-S-SA6C-727-U-SLR-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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79				79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62				62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49				49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40				40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33				33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27				27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24				24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20				20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18				18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16				16

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

	0°	90°	180°	270°
0°	69441	69441	69441	69441
5°	66854	48863	52599	73687
10°	59522	26604	26952	63003
15°	59419	17744	10849	60534
20°	71344	8859	4325	70927
25°	87750	5565	3350	87318
30°	106025	4467	2545	105347
35°	124407	3587	1973	123152
40°	150612	3069	1279	146457
45°	172307	2770	692	167528
50°	195491	2667	152	187491
55°	235814	2561	0	212591
60°	285499	2154	0	268555
65°	330590	1739	0	300463
70°	334757	1431	0	302971
75°	216643	945	0	232347
80°	73888	281	0	164414
85°	37084	0	0	120801

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	733.0	2.9
10°-20°	1419.4	5.6
20°-30°	1976.9	7.8
30°-40°	2808.9	11.1
40°-50°	3895.2	15.4
50°-60°	5307.4	21.0
60°-70°	5835.1	23.1
70°-80°	2867.9	11.3
80°-90°	468.3	1.9
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>4129.3</b>	<b>16.3</b>
<b>0°-40°</b>	<b>6938.3</b>	<b>27.4</b>
<b>0°-60°</b>	<b>16140.9</b>	<b>63.8</b>
<b>0°-90°</b>	<b>25312.3</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>25312.3</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9677	9677	9677	9677	9677	
5°	9281	6783	7302	10230	9281	849
15°	7998	2388	1460	8148	7998	2367
25°	11083	703	423	11028	11083	5153
35°	14201	410	225	14058	14201	9015
45°	16979	273	68	16508	16979	13162
55°	18849	205	0	16992	18849	16956
65°	19470	102	0	17695	19470	18815
75°	7814	34	0	8380	7814	8519
85°	450	0	0	1467	450	623
90°	0	0	0	0	0	

TEST NUMBER: P599150  
 CATALOG NUMBER: IFLD-S-SA6C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9
2.5°	9874.8	9990.8	9881.6	9499.4	9431.2	9246.9	8967.1	8946.7	8653.2	8687.3	8530.4
5°	9281.0	9397.1	9165.0	8660.0	8189.2	7813.8	7588.6	7186.0	7097.3	6899.4	6899.4
7.5°	8673.7	8666.9	8271.1	7847.9	7145.0	6455.8	6141.9	5561.8	5220.6	5036.3	4858.9
10°	8168.7	8059.5	7813.8	6940.3	6176.0	5459.4	5070.5	4688.3	4333.4	4026.3	3719.2
12.5°	7813.8	7882.1	7493.1	6544.5	5555.0	5056.8	4640.5	4237.9	3814.8	3466.7	3125.5
15°	7998.1	7888.9	7431.7	6455.8	5452.6	4770.2	4217.4	3726.1	3255.2	2798.0	2538.6
17.5°	8571.3	8291.5	7752.4	6455.8	5241.1	4333.4	3664.6	3084.6	2579.6	2170.1	1849.4
20°	9342.5	9021.7	8441.7	6694.6	5084.1	4012.7	3098.2	2368.0	1842.6	1460.4	1214.7
22.5°	10134.1	9881.6	9008.1	6790.2	4899.8	3582.8	2443.1	1712.9	1228.4	982.7	859.9
25°	11082.7	10727.8	9772.4	7172.3	4626.9	3166.5	1924.5	1194.3	914.5	784.8	709.7
27.5°	11840.2	11778.7	10488.9	7404.4	4422.1	2825.3	1521.8	948.6	757.5	662.0	614.2
30°	12795.6	12461.2	11362.5	7868.4	4190.1	2436.3	1269.3	853.0	696.1	593.7	559.6
32.5°	13368.8	13211.8	11819.7	8127.7	3930.8	2115.5	1091.9	750.7	634.7	559.6	525.5
35°	14201.4	13887.5	12474.8	8291.5	3794.3	1931.3	982.7	682.4	532.3	457.2	416.3
37.5°	15129.5	15013.5	13259.6	8284.7	3596.4	1822.1	907.6	634.7	505.0	423.1	375.3
40°	16078.1	15607.2	13737.3	8475.8	3494.0	1740.2	853.0	607.4	477.7	402.6	341.2
42.5°	16787.8	16248.7	14290.1	8407.5	3371.2	1596.9	832.6	566.4	457.2	368.5	313.9
45°	16978.9	16787.8	14788.3	8387.1	3282.5	1480.9	798.4	559.6	443.6	348.0	293.4
47.5°	17347.4	17217.7	15402.4	8421.2	3214.2	1392.2	716.6	573.2	423.1	327.6	279.8
50°	17511.2	17279.1	15900.6	8503.1	3057.3	1283.0	641.5	600.5	416.3	320.7	266.1
52.5°	18186.8	17982.0	16583.0	8735.1	2927.6	1139.7	566.4	573.2	429.9	300.3	252.5
55°	18848.7	18616.7	17634.0	9267.4	2743.4	1023.6	484.5	505.0	409.5	273.0	225.2
57.5°	19756.3	19374.2	18336.9	9485.8	2579.6	866.7	429.9	416.3	382.2	245.7	197.9
60°	19892.8	20049.8	18234.5	9349.3	2409.0	764.3	375.3	320.7	409.5	218.4	170.6
62.5°	20350.1	19694.9	17756.8	9035.4	2286.1	702.9	334.4	266.1	354.9	191.1	143.3
65°	19469.7	18985.2	16637.6	8025.4	2129.2	709.7	293.4	218.4	225.2	157.0	116.0
67.5°	18179.9	17797.8	14781.4	6926.7	1972.2	696.1	259.3	191.1	170.6	136.5	102.4
70°	15955.2	15129.5	12556.7	5623.2	1740.2	648.3	218.4	170.6	143.3	109.2	75.1
72.5°	11608.1	11273.7	9008.1	4347.1	1562.8	586.9	204.7	143.3	122.8	81.9	61.4
75°	7813.8	7261.1	5684.6	2852.6	1255.7	511.8	170.6	129.7	95.5	61.4	47.8
77.5°	4128.7	3903.5	3221.1	1358.0	696.1	238.9	95.5	75.1	54.6	47.8	27.3
80°	1788.0	1590.1	1392.2	552.8	245.7	109.2	61.4	40.9	34.1	27.3	13.6
82.5°	914.5	873.5	723.4	238.9	143.3	81.9	34.1	27.3	20.5	13.6	6.8
85°	450.4	464.1	382.2	75.1	81.9	47.8	6.8	6.8	0.0	0.0	0.0
87.5°	34.1	34.1	27.3	13.6	20.5	6.8	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: P599150  
 CATALOG NUMBER: IFLD-S-SA6C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9
2.5°	8469.0	8564.5	8400.7	8503.1	8455.3	8475.8	8496.3	8441.7	8455.3	8646.4	8653.2
5°	6783.4	6967.6	6899.4	6994.9	7158.7	7076.8	7151.9	7138.2	7151.9	7179.2	7302.0
7.5°	4838.4	4783.8	4913.5	5166.0	5459.4	5636.9	5548.2	5500.4	5473.1	5404.8	5486.7
10°	3651.0	3623.7	3589.6	3664.6	3855.7	4053.6	4162.8	3978.6	3876.2	3746.5	3698.8
12.5°	3030.0	2859.4	2763.8	2647.8	2702.4	2879.9	2886.7	2709.2	2545.5	2477.2	2552.3
15°	2388.5	2272.5	2101.9	1938.1	1856.2	1992.7	1876.7	1706.1	1494.5	1467.2	1460.4
17.5°	1706.1	1637.8	1515.0	1446.8	1351.2	1317.1	1194.3	934.9	784.8	743.8	757.5
20°	1160.1	1105.5	1098.7	1037.3	996.3	969.1	771.1	600.5	552.8	559.6	566.4
22.5°	859.9	832.6	798.4	791.6	757.5	723.4	566.4	505.0	470.9	470.9	491.3
25°	702.9	689.3	655.1	641.5	627.8	580.1	477.7	429.9	416.3	402.6	423.1
27.5°	600.5	593.7	573.2	552.8	539.1	491.3	416.3	375.3	361.7	361.7	361.7
30°	539.1	539.1	511.8	470.9	470.9	416.3	354.9	327.6	313.9	313.9	307.1
32.5°	505.0	491.3	457.2	429.9	409.5	354.9	313.9	286.6	266.1	266.1	273.0
35°	409.5	409.5	402.6	382.2	354.9	300.3	266.1	238.9	225.2	218.4	225.2
37.5°	361.7	341.2	313.9	320.7	307.1	259.3	225.2	204.7	184.3	184.3	184.3
40°	327.6	307.1	279.8	259.3	252.5	232.0	197.9	163.8	143.3	136.5	136.5
42.5°	293.4	279.8	238.9	204.7	197.9	197.9	150.1	122.8	102.4	102.4	102.4
45°	273.0	252.5	218.4	177.4	143.3	150.1	122.8	88.7	75.1	68.2	68.2
47.5°	259.3	238.9	191.1	150.1	109.2	109.2	88.7	61.4	47.8	40.9	40.9
50°	238.9	218.4	170.6	122.8	81.9	68.2	54.6	34.1	20.5	13.6	13.6
52.5°	225.2	204.7	150.1	102.4	68.2	47.8	34.1	6.8	0.0	0.0	0.0
55°	204.7	177.4	129.7	81.9	54.6	27.3	6.8	0.0	0.0	0.0	0.0
57.5°	177.4	157.0	102.4	61.4	34.1	6.8	0.0	0.0	0.0	0.0	0.0
60°	150.1	129.7	81.9	47.8	13.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	122.8	109.2	61.4	27.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	102.4	81.9	47.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	88.7	68.2	34.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	68.2	47.8	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	47.8	34.1	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	34.1	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	20.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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

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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9
2.5°	8680.5	8885.2	9076.3	9130.9	9281.0	9697.3	9697.3	9895.2	10250.1	10379.8	10407.1
5°	7322.5	7540.9	7581.8	8004.9	8202.8	8625.9	8905.7	9574.5	9977.1	10229.6	10386.6
7.5°	5568.6	5643.7	5800.7	6196.5	6585.4	7097.3	7629.6	8482.6	9192.3	9479.0	10011.2
10°	3828.4	4053.6	4394.8	4749.7	5357.1	5923.5	6612.7	7418.0	8291.5	8646.4	9103.6
12.5°	2579.6	2893.5	3439.4	3944.4	4504.0	5077.3	5732.4	6810.7	7800.2	8291.5	8748.8
15°	1508.2	1890.3	2361.2	3180.1	3924.0	4565.5	5220.6	6312.5	7513.6	8148.2	8707.8
17.5°	764.3	880.3	1269.3	1979.0	2961.7	4012.7	4988.6	6380.7	7731.9	8509.9	8974.0
20°	573.2	607.4	716.6	1050.9	2026.8	3316.6	4770.2	6483.1	8339.3	9287.9	9540.4
22.5°	498.2	525.5	573.2	682.4	1139.7	2538.6	4463.1	6735.6	9165.0	10059.0	10591.3
25°	423.1	450.4	491.3	559.6	730.2	1726.5	4087.8	7001.7	9902.1	11028.1	11526.2
27.5°	368.5	389.0	429.9	484.5	593.7	1098.7	3439.4	7356.6	11028.1	12201.8	12331.5
30°	313.9	334.4	368.5	429.9	505.0	778.0	2525.0	7404.4	11649.1	12713.7	13075.4
32.5°	273.0	279.8	320.7	375.3	423.1	614.2	1774.3	7452.1	12106.3	13375.6	13450.7
35°	225.2	238.9	279.8	313.9	368.5	484.5	1344.4	7213.3	12700.0	14058.1	14037.6
37.5°	184.3	204.7	232.0	259.3	300.3	409.5	1071.4	6769.7	13443.9	15115.8	14474.3
40°	143.3	163.8	191.1	225.2	252.5	368.5	805.3	6100.9	14221.8	15634.5	14952.0
42.5°	102.4	116.0	143.3	177.4	225.2	307.1	580.1	5309.3	14528.9	16241.8	15525.3
45°	75.1	88.7	109.2	150.1	232.0	245.7	402.6	4585.9	14856.5	16508.0	15395.6
47.5°	40.9	54.6	81.9	129.7	204.7	184.3	286.6	3937.6	15231.8	16746.8	15498.0
50°	13.6	20.5	47.8	136.5	163.8	143.3	225.2	3589.6	15600.3	16794.6	15702.7
52.5°	0.0	0.0	27.3	143.3	122.8	109.2	197.9	3453.1	15504.8	16944.7	15573.1
55°	0.0	0.0	6.8	61.4	68.2	81.9	163.8	3446.3	16180.4	16992.5	16282.8
57.5°	0.0	0.0	0.0	20.5	40.9	68.2	143.3	3227.9	16610.3	18179.9	17238.2
60°	0.0	0.0	0.0	6.8	27.3	47.8	109.2	3036.8	17047.1	18712.2	18261.8
62.5°	0.0	0.0	0.0	0.0	6.8	20.5	75.1	2743.4	16166.8	18671.3	19251.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	47.8	2170.1	14542.6	17695.4	18705.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	27.3	1501.3	12734.1	16467.0	17702.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	907.6	10277.4	14440.2	15013.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	389.0	7336.1	11464.8	12317.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	157.0	4538.2	8380.2	9431.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.4	2941.3	6346.6	7158.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	1569.6	3978.6	4626.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	682.4	2415.8	2784.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	218.4	1467.2	1672.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	225.2	300.3
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: P599150  
 CATALOG NUMBER: IFLD-S-SA6C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9	9676.9
2.5°	10420.7	10618.6	10693.7	10577.7	10591.3	10352.5	10318.3	9984.0	9847.5	9874.8
5°	10898.4	11185.0	11342.0	11212.3	10918.9	10461.7	10045.4	9649.6	9403.9	9281.0
7.5°	10789.2	11110.0	11307.9	11430.7	11096.3	10359.3	9724.6	8980.8	8666.9	8673.7
10°	10188.7	10857.5	11260.1	11103.1	10946.2	10209.2	9226.5	8421.2	8141.4	8168.7
12.5°	9704.2	10448.0	10686.9	10809.7	10488.9	9902.1	9240.1	8318.8	8004.9	7813.8
15°	9403.9	9956.7	9970.3	10161.4	10031.7	10031.7	9383.4	8482.6	8209.6	7998.1
17.5°	9403.9	9526.7	9513.1	9581.3	9799.7	10059.0	9745.1	9144.6	8605.4	8571.3
20°	9615.4	9233.3	9144.6	9171.9	9356.1	10127.3	10543.5	9792.9	9451.7	9342.5
22.5°	10106.8	9267.4	8728.3	8632.7	9199.2	10120.4	11055.4	10816.5	10222.8	10134.1
25°	10782.4	9206.0	8619.1	8496.3	8926.2	10366.1	11758.3	11806.0	11266.9	11082.7
27.5°	11423.9	9479.0	8605.4	8578.1	9144.6	10311.5	12242.8	12597.7	11990.3	11840.2
30°	11642.3	9751.9	8857.9	8496.3	9226.5	10509.4	12229.1	13157.3	12761.4	12795.6
32.5°	11901.6	10024.9	8885.2	8741.9	9574.5	10830.2	12618.1	14058.1	13771.4	13368.8
35°	12283.7	10393.4	9144.6	9014.9	9820.2	11116.8	12700.0	14720.0	14672.2	14201.4
37.5°	12611.3	10755.1	9683.7	9704.2	10570.8	11580.8	13061.7	15532.1	15450.2	15129.5
40°	12843.3	11260.1	10523.1	10577.7	11226.0	12099.5	13703.2	15941.6	16548.9	16078.1
42.5°	12877.5	11710.5	11485.3	11922.1	12529.4	12904.8	13962.5	16221.4	17094.9	16787.8
45°	13007.1	12427.1	13054.9	13375.6	13873.8	13614.5	13948.9	16699.1	17135.8	16978.9
47.5°	13512.1	13730.5	14522.1	15498.0	15675.4	14822.4	14276.4	16774.1	17367.8	17347.4
50°	14037.6	15129.5	16241.8	16890.1	17115.3	15654.9	14583.5	16712.7	17674.9	17511.2
52.5°	14624.5	16344.2	17947.9	18746.4	18623.5	16576.2	14931.6	17210.9	18241.4	18186.8
55°	14993.0	16890.1	19046.6	20159.0	20063.4	17606.7	16037.1	17927.4	18985.2	18848.7
57.5°	15968.9	17777.3	20138.5	20657.2	20909.7	18957.9	16808.3	19101.2	19606.2	19756.3
60°	16774.1	18357.4	20425.1	21175.8	21264.5	19763.2	18159.5	20309.1	20397.8	19892.8
62.5°	17954.7	18582.6	19817.8	20493.4	20950.6	20220.4	19374.2	20957.4	20384.2	20350.1
65°	18821.4	17845.5	18684.9	19060.3	19353.7	19524.3	20595.7	21401.0	20131.7	19469.7
67.5°	18336.9	16453.4	16296.4	16316.9	16405.6	17436.1	20186.3	20315.9	18725.9	18179.9
70°	16139.5	13498.5	13286.9	13450.7	13007.1	14249.1	18528.0	18466.6	16521.6	15955.2
72.5°	13054.9	9840.6	9479.0	9704.2	9806.5	11123.6	15586.7	14003.5	12051.7	11608.1
75°	10372.9	7213.3	6087.3	6633.2	6981.3	8100.4	12174.6	9513.1	8414.4	7813.8
77.5°	8148.2	5459.4	4736.1	4517.7	4838.4	5889.4	8857.9	4995.4	4408.5	4128.7
80°	5166.0	4012.7	4353.9	4040.0	4176.5	4203.8	4613.2	2272.5	1808.4	1788.0
82.5°	3111.9	2743.4	3262.0	1794.8	3268.8	2920.8	1917.6	1030.5	914.5	914.5
85°	2204.2	1699.3	1126.0	730.2	1453.6	1603.7	743.8	532.3	464.1	450.4
87.5°	1105.5	525.5	252.5	163.8	184.3	300.3	88.7	40.9	40.9	34.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)