

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: P599422

Luminaire Tested: **IFLD-L-SA7D-727-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: P599422  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA7D-727-U-SLL-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield  
 Light Source: (112) 2700K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

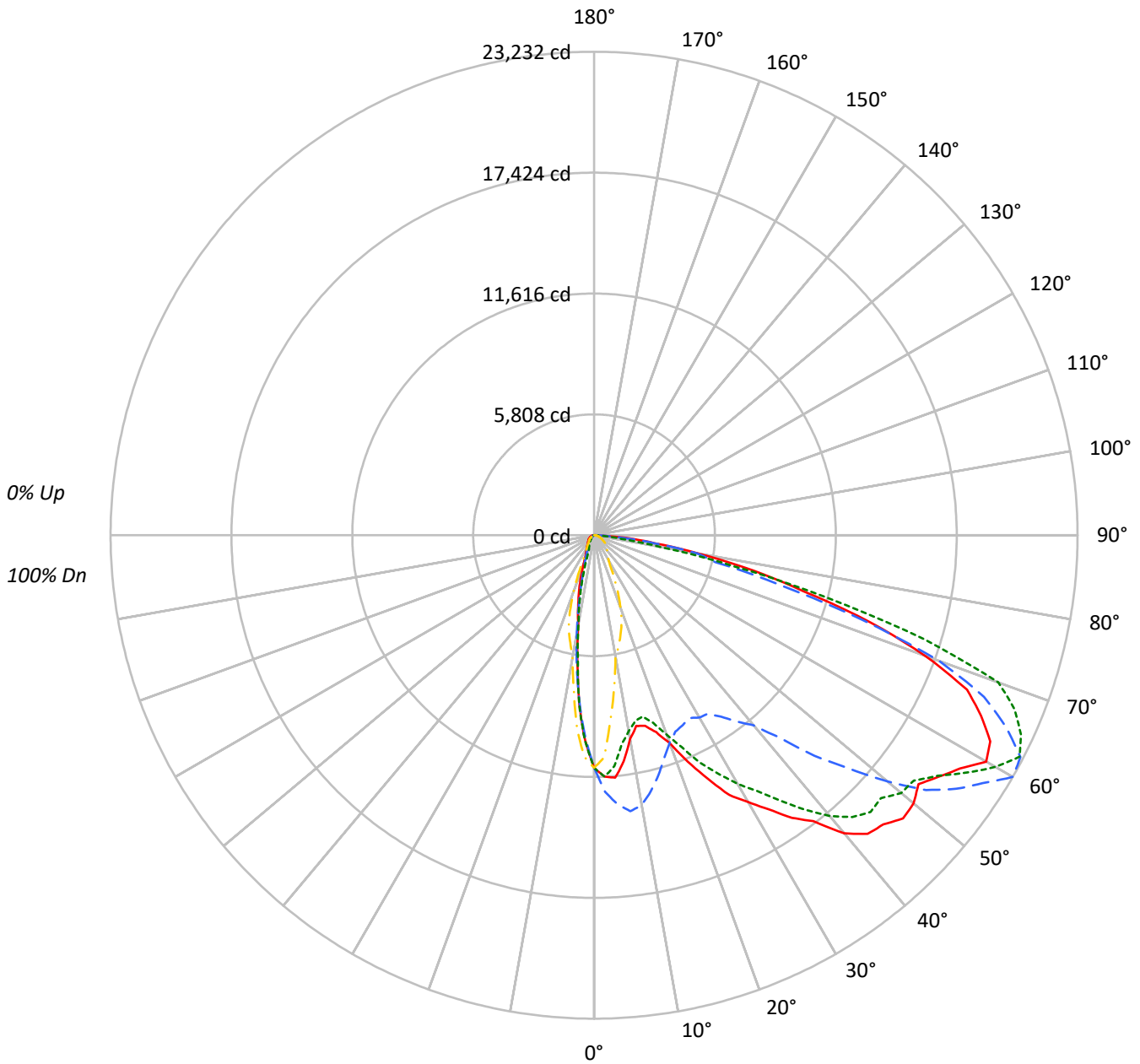
Lumens per Lamp: N/A  
 Luminaire Lumens: 29711.8 lumens  
 Efficiency: N/A  
 Efficacy: 70.3 lumens/watt  
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 422.6  
 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-L-SA7D-727-U-SLL-HSS

### Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: IFLD-L-SA7D-727-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	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°	60124	60124	60124	60124
5°	63183	60140	43936	44194
10°	54331	52250	24022	23458
15°	52829	50220	15606	11759
20°	60893	58348	8361	4181
25°	76564	71617	5418	3251
30°	91959	85697	4388	2663
35°	108898	102174	3597	2137
40°	131387	123694	3178	1617
45°	149585	143063	2959	1087
50°	167808	161298	2923	664
55°	189769	189099	2903	297
60°	234177	239729	2648	85
65°	261293	288169	2425	0
70°	266434	325240	2247	0
75°	216793	239891	2144	0
80°	157630	100332	2213	0
85°	101908	42133	2939	0

TEST NUMBER: P599422  
 CATALOG NUMBER: IFLD-L-SA7D-727-U-SLL-HSS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	848.7	2.9
10°-20°	1664.2	5.6
20°-30°	2303.0	7.8
30°-40°	3254.8	11.0
40°-50°	4431.4	14.9
50°-60°	5869.2	19.8
60°-70°	6814.5	22.9
70°-80°	3859.1	13.0
80°-90°	666.8	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>4816.0</b>	<b>16.2</b>
<b>0°-40°</b>	<b>8070.8</b>	<b>27.2</b>
<b>0°-60°</b>	<b>18371.4</b>	<b>61.8</b>
<b>0°-90°</b>	<b>29711.8</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>29711.8</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	11171	11171	11171	11171	11171	
5°	11695	11132	8133	8180	11695	1050
15°	9481	9013	2801	2110	9481	2781
25°	12893	12060	912	548	12893	6013
35°	16575	15551	548	325	16575	10449
45°	19653	18796	389	143	19653	15237
55°	20224	20153	309	32	20224	18323
65°	20518	22628	190	0	20518	20001
75°	10426	11536	103	0	10426	11378
85°	1650	682	48	0	1650	1983
90°	0	0	0	0	0	

TEST NUMBER: P599422  
 CATALOG NUMBER: IFLD-L-SA7D-727-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4
2.5°	11607.8	11853.8	11861.7	11972.8	12083.9	12083.9	12345.7	12282.2	12052.1	12012.5	11845.9
5°	11695.1	11782.4	11845.9	12409.2	12885.2	12837.6	12980.5	12885.2	12440.9	11869.7	11480.9
7.5°	10941.3	11036.6	11290.5	12250.5	12893.2	13107.4	13377.2	12782.1	12314.0	11282.5	10536.7
10°	9941.6	10124.1	10592.2	11687.2	12480.6	13162.9	13162.9	12686.9	11782.4	10774.7	9862.3
12.5°	9386.2	9751.2	10005.1	11115.9	12147.4	12615.5	12599.6	12345.7	11758.6	10489.1	9457.6
15°	9481.4	9584.6	10124.1	10989.0	11671.3	11647.5	11933.1	11853.8	11441.2	10743.0	9608.4
17.5°	9917.8	10076.5	10544.6	10989.0	11314.3	11219.0	11211.1	11592.0	11615.8	11171.4	10171.7
20°	10631.9	11100.0	11322.2	11457.1	11060.4	10655.7	10608.1	11139.7	11552.3	11718.9	10846.1
22.5°	11774.4	12083.9	12536.1	11845.9	10814.4	10306.6	10211.4	10798.5	11631.6	12369.5	11718.9
25°	12893.2	13131.2	13567.6	12679.0	11092.1	10235.2	10068.6	10576.4	11933.1	13274.0	12774.2
27.5°	14075.4	14281.7	14329.3	13289.9	11242.9	10092.4	9894.0	10576.4	12187.0	13750.1	14035.7
30°	14797.4	15043.4	15091.0	13829.4	11488.8	10211.4	10116.2	10624.0	12361.6	14154.7	14940.2
32.5°	15606.7	15670.2	15630.5	13924.6	11758.6	10560.5	10163.8	10941.3	12559.9	14638.7	15765.4
35°	16574.7	16685.8	16281.1	14361.0	12361.6	10782.7	10639.8	11330.1	12901.1	14860.9	16765.1
37.5°	17312.6	17661.7	16749.2	14527.6	12480.6	11250.8	11274.6	12139.4	13139.1	15130.6	17868.0
40°	18701.1	18113.9	17542.7	15098.9	12932.8	12044.2	11917.3	12972.5	13940.5	15305.2	18590.0
42.5°	19462.7	19153.3	17852.1	15154.4	13631.1	13139.1	13170.9	13916.7	14361.0	15797.1	18788.3
45°	19653.2	19327.9	18272.6	15194.1	14321.3	14432.4	14979.9	15122.7	14979.9	16122.4	19161.2
47.5°	20137.2	19431.0	18225.0	15725.7	15440.1	15868.5	16566.7	16876.2	15820.9	16003.4	19335.8
50°	20041.9	19637.3	18121.9	15947.9	16804.8	17939.4	18407.5	18280.5	16757.2	15757.4	19145.4
52.5°	19645.2	19208.9	18439.2	16550.9	18082.2	19454.8	20105.4	19788.1	17590.3	16312.8	19018.4
55°	20224.4	19891.2	18851.8	17368.1	19042.2	20787.8	21248.0	21009.9	18613.8	16828.6	19740.4
57.5°	20851.2	20779.8	19970.5	18328.1	20176.8	22160.4	22160.4	21866.8	19502.4	17574.4	20811.6
60°	21755.7	21914.4	20795.7	18962.9	20565.6	22081.1	23231.5	22890.3	20399.0	18883.5	22025.5
62.5°	21462.2	21970.0	21858.9	20327.6	21009.9	22469.8	23096.6	23350.5	21509.8	20478.3	23644.1
65°	20518.0	21057.5	21851.0	21224.2	20676.7	21525.7	21843.0	22612.7	22065.2	21977.9	24310.6
67.5°	19391.3	19978.5	20470.4	21827.2	20002.3	20565.6	20287.9	20533.9	21462.2	23620.3	24691.4
70°	16931.7	17495.1	18272.6	20486.3	18217.1	17709.3	17637.9	17518.9	18962.9	23033.2	22961.8
72.5°	13924.6	14186.5	15471.8	16654.0	13480.3	13385.1	13496.2	13361.3	15035.4	20851.2	19669.0
75°	10425.6	10687.5	11417.4	12790.0	9179.9	8632.5	9267.2	9894.0	11480.9	16185.9	14130.9
77.5°	7839.1	8172.3	8632.5	9568.7	6736.2	5879.3	5966.6	6561.6	8299.2	12964.6	7918.4
80°	5085.9	5046.2	5934.8	6585.4	5070.0	5228.7	5006.5	5442.9	6014.2	6934.5	4046.5
82.5°	2935.7	2975.3	3348.3	3776.7	3530.7	4038.5	2911.9	4863.7	4292.4	2824.6	1507.5
85°	1650.3	1721.7	2062.9	2618.3	2213.7	1483.7	1213.9	2412.0	2697.6	1158.4	730.0
87.5°	166.6	142.8	277.7	991.8	603.0	246.0	365.0	579.2	650.6	436.4	214.2
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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 CATALOG NUMBER: IFLD-L-SA7D-727-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4
2.5°	11607.8	11607.8	11409.5	11076.2	10941.3	10703.3	10378.0	10481.2	10370.1	9965.4	9862.3
5°	11131.8	10750.9	10338.3	9830.6	9537.0	8934.0	8743.6	8402.4	8457.9	8116.8	8132.6
7.5°	10140.0	9838.5	9140.3	8473.8	7894.6	7370.9	6633.0	6355.3	6085.6	5950.7	6109.4
10°	9560.8	8997.5	8045.3	7172.6	6403.0	5934.8	5442.9	5062.1	4713.0	4451.1	4395.6
12.5°	9140.3	8640.4	7489.9	6426.8	5823.7	5442.9	4990.7	4467.0	4125.8	3673.6	3538.7
15°	9013.3	8402.4	7188.4	6133.2	5546.1	4919.2	4403.5	3887.8	3443.5	2967.4	2800.8
17.5°	9449.7	8743.6	7180.5	5895.2	5070.0	4395.6	3681.5	3102.3	2650.0	2213.7	2110.5
20°	10187.6	9108.5	7410.6	5752.3	4617.7	3713.2	2903.9	2324.7	1816.9	1531.3	1459.9
22.5°	11028.6	9727.4	7434.4	5371.5	4165.5	3030.9	2118.4	1531.3	1245.7	1110.8	1071.1
25°	12060.1	10719.2	7720.0	5062.1	3633.9	2300.9	1507.5	1174.3	1007.7	928.3	912.4
27.5°	12909.0	11409.5	8029.5	4736.8	3110.2	1705.9	1182.2	960.0	872.8	793.4	785.5
30°	13789.7	12202.9	8116.8	4538.4	2658.0	1404.4	1015.6	849.0	753.8	714.1	706.1
32.5°	14559.4	13067.7	8394.5	4213.1	2229.5	1237.7	920.4	761.7	698.2	634.7	626.8
35°	15551.2	13567.6	8529.3	4038.5	2070.8	1118.7	841.0	698.2	603.0	563.3	547.5
37.5°	16614.3	14051.6	8616.6	3903.7	1936.0	1047.3	793.4	658.5	571.3	515.7	499.9
40°	17606.1	14733.9	8489.7	3737.0	1832.8	960.0	761.7	610.9	531.6	476.1	452.3
42.5°	18367.8	15400.4	8450.0	3578.4	1721.7	928.3	722.0	587.1	499.9	436.4	428.5
45°	18796.3	15852.7	8172.3	3451.4	1634.5	944.2	706.1	555.4	476.1	420.5	388.8
47.5°	18693.1	16201.8	8243.7	3411.7	1515.4	880.7	698.2	531.6	436.4	388.8	365.0
50°	19264.4	16907.9	8124.7	3284.8	1428.2	793.4	761.7	531.6	428.5	372.9	349.1
52.5°	19359.6	17550.6	8378.6	3054.7	1293.3	730.0	753.8	523.7	412.6	357.0	325.3
55°	20153.0	18296.4	8870.5	2927.7	1182.2	634.7	690.3	507.8	372.9	325.3	309.4
57.5°	21232.1	19843.6	9187.9	2808.7	1031.5	555.4	579.2	499.9	341.2	301.5	277.7
60°	22271.5	20462.5	9211.7	2594.5	888.6	499.9	452.3	499.9	317.4	269.8	246.0
62.5°	23049.0	20462.5	9053.0	2412.0	777.6	444.3	396.7	476.1	285.6	238.0	222.2
65°	22628.5	19915.0	8640.4	2261.3	706.1	388.8	341.2	365.0	253.9	206.3	190.4
67.5°	21874.8	18209.1	7728.0	2078.8	698.2	341.2	293.6	269.8	222.2	182.5	166.6
70°	20668.8	15908.2	6434.7	1872.5	682.3	309.4	261.8	230.1	198.4	158.7	142.8
72.5°	16654.0	13139.1	5284.2	1753.5	666.5	269.8	222.2	198.4	166.6	134.9	119.0
75°	11536.4	8394.5	4070.3	1499.6	650.6	246.0	206.3	174.6	142.8	111.1	103.1
77.5°	6918.7	5609.5	2626.2	1126.7	428.5	198.4	174.6	134.9	119.0	95.2	87.3
80°	3237.2	2650.0	1063.2	436.4	206.3	142.8	119.0	103.1	95.2	79.3	71.4
82.5°	1269.5	1118.7	515.7	253.9	166.6	111.1	95.2	87.3	79.3	63.5	55.5
85°	682.3	603.0	246.0	174.6	119.0	79.3	79.3	71.4	63.5	55.5	47.6
87.5°	150.8	111.1	103.1	103.1	87.3	63.5	63.5	55.5	47.6	39.7	31.7
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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 CATALOG NUMBER: IFLD-L-SA7D-727-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4
2.5°	9806.7	9925.8	9735.3	9854.4	9687.7	9814.7	9830.6	9711.5	9743.3	9902.0	9973.4
5°	8354.8	8275.4	8100.9	8045.3	8053.3	7950.1	7989.8	8045.3	8132.6	8180.2	8323.0
7.5°	6022.1	6204.6	6196.7	6331.5	6339.5	6323.6	6212.5	5974.5	6053.8	5990.4	6069.7
10°	4308.3	4387.6	4538.4	4625.7	4784.4	4697.1	4443.2	4348.0	4300.4	4292.4	4371.8
12.5°	3443.5	3253.0	3237.2	3268.9	3348.3	3245.1	3118.2	3007.1	3062.6	3173.7	3261.0
15°	2665.9	2507.2	2300.9	2269.2	2285.1	2237.5	2102.6	1959.8	1999.4	2110.5	2174.0
17.5°	2047.0	1864.6	1721.7	1626.5	1594.8	1428.2	1229.8	1110.8	1079.1	1071.1	1126.7
20°	1380.6	1348.8	1325.0	1206.0	1206.0	968.0	801.4	714.1	714.1	730.0	737.9
22.5°	1031.5	991.8	999.7	975.9	912.4	722.0	634.7	610.9	610.9	626.8	626.8
25°	896.6	841.0	825.2	817.2	753.8	618.9	555.4	531.6	531.6	547.5	547.5
27.5°	761.7	745.8	722.0	690.3	634.7	531.6	491.9	468.1	476.1	484.0	476.1
30°	698.2	658.5	626.8	626.8	563.3	476.1	444.3	428.5	412.6	428.5	436.4
32.5°	618.9	595.1	579.2	555.4	484.0	420.5	388.8	372.9	365.0	365.0	372.9
35°	531.6	531.6	515.7	484.0	420.5	380.8	341.2	325.3	317.4	325.3	325.3
37.5°	476.1	452.3	460.2	428.5	372.9	333.2	293.6	277.7	277.7	269.8	277.7
40°	444.3	404.6	380.8	365.0	333.2	285.6	253.9	238.0	230.1	230.1	230.1
42.5°	396.7	365.0	317.4	309.4	301.5	246.0	206.3	198.4	190.4	182.5	182.5
45°	372.9	325.3	285.6	246.0	246.0	206.3	174.6	158.7	150.8	142.8	150.8
47.5°	341.2	293.6	246.0	206.3	198.4	166.6	134.9	119.0	111.1	111.1	111.1
50°	325.3	261.8	214.2	174.6	150.8	134.9	103.1	87.3	79.3	79.3	79.3
52.5°	301.5	246.0	190.4	150.8	119.0	103.1	79.3	63.5	55.5	55.5	55.5
55°	269.8	222.2	166.6	126.9	103.1	79.3	55.5	39.7	31.7	31.7	31.7
57.5°	253.9	198.4	142.8	111.1	79.3	55.5	31.7	23.8	23.8	15.9	23.8
60°	230.1	174.6	119.0	87.3	63.5	39.7	23.8	7.9	7.9	7.9	7.9
62.5°	198.4	150.8	103.1	71.4	47.6	23.8	7.9	0.0	0.0	0.0	0.0
65°	166.6	119.0	79.3	55.5	31.7	7.9	0.0	0.0	0.0	0.0	0.0
67.5°	142.8	103.1	63.5	39.7	23.8	0.0	0.0	0.0	0.0	0.0	0.0
70°	126.9	87.3	47.6	31.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	103.1	71.4	39.7	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	87.3	55.5	23.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	71.4	39.7	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	55.5	31.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	47.6	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	23.8	7.9	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: P599422  
 CATALOG NUMBER: IFLD-L-SA7D-727-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4	11171.4
2.5°	10076.5	10028.9	10266.9	10655.7	10854.1	11242.9	11338.1	11584.0	11520.6	11607.8
5°	8338.9	8434.1	8783.2	9354.5	9560.8	10124.1	10655.7	11187.3	11528.5	11695.1
7.5°	6188.7	6506.1	6934.5	7458.2	7989.8	8727.7	9632.2	10251.1	10584.3	10941.3
10°	4609.8	4951.0	5442.9	5958.6	6823.5	7648.6	8553.1	9322.8	9608.4	9941.6
12.5°	3626.0	4157.6	4728.8	5284.2	5799.9	6585.4	7704.2	8822.9	9132.3	9386.2
15°	2523.1	3173.7	3990.9	4713.0	5435.0	6117.3	7275.7	8632.5	9053.0	9481.4
17.5°	1396.4	1912.2	2848.4	3864.0	4927.2	5974.5	7418.5	8981.6	9616.3	9917.8
20°	809.3	1015.6	1682.1	2888.1	4292.4	5665.1	7489.9	9640.1	10481.2	10631.9
22.5°	666.5	737.9	952.1	1809.0	3514.9	5466.7	7854.9	10560.5	11417.4	11774.4
25°	571.3	626.8	737.9	1087.0	2658.0	5046.2	8085.0	11711.0	12504.4	12893.2
27.5°	507.8	563.3	650.6	801.4	1809.0	4467.0	8465.9	12750.4	13543.8	14075.4
30°	444.3	491.9	579.2	682.3	1253.6	3816.4	8791.2	13512.1	14630.8	14797.4
32.5°	396.7	436.4	499.9	587.1	928.3	2896.0	9053.0	14297.5	15241.7	15606.7
35°	341.2	388.8	428.5	499.9	706.1	2181.9	8894.3	14908.5	16138.3	16574.7
37.5°	301.5	333.2	372.9	420.5	595.1	1705.9	8569.0	15638.4	16907.9	17312.6
40°	253.9	277.7	325.3	372.9	539.5	1317.1	8196.1	16519.1	17987.0	18701.1
42.5°	214.2	238.0	269.8	349.1	444.3	975.9	7442.3	17201.5	18859.7	19462.7
45°	166.6	198.4	246.0	349.1	357.0	722.0	6664.8	17709.3	19351.7	19653.2
47.5°	126.9	158.7	238.0	301.5	285.6	499.9	5744.4	18288.5	19859.5	20137.2
50°	95.2	126.9	269.8	261.8	238.0	380.8	5165.2	18693.1	19891.2	20041.9
52.5°	63.5	95.2	222.2	198.4	198.4	333.2	5006.5	18677.3	19970.5	19645.2
55°	47.6	71.4	126.9	142.8	174.6	293.6	4863.7	19272.3	19994.3	20224.4
57.5°	31.7	55.5	87.3	111.1	150.8	253.9	4570.1	19986.4	20732.2	20851.2
60°	15.9	39.7	63.5	87.3	126.9	222.2	4157.6	20510.1	21628.8	21755.7
62.5°	7.9	23.8	47.6	71.4	103.1	174.6	3729.1	19677.0	21240.0	21462.2
65°	0.0	15.9	31.7	47.6	63.5	126.9	3030.9	17764.8	19700.8	20518.0
67.5°	0.0	0.0	15.9	31.7	39.7	95.2	2285.1	16162.1	18280.5	19391.3
70°	0.0	0.0	7.9	7.9	23.8	71.4	1459.9	13385.1	16320.8	16931.7
72.5°	0.0	0.0	0.0	0.0	7.9	47.6	849.0	9941.6	12790.0	13924.6
75°	0.0	0.0	0.0	0.0	0.0	39.7	428.5	6395.0	8902.2	10425.6
77.5°	0.0	0.0	0.0	0.0	0.0	31.7	230.1	4125.8	6561.6	7839.1
80°	0.0	0.0	0.0	0.0	0.0	7.9	134.9	2396.1	4197.2	5085.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	55.5	1174.3	2507.2	2935.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	15.9	626.8	1253.6	1650.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.8	87.3	166.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)