

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: P599580

Luminaire Tested: **IFLD-S-SA3C-827-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

**Test Information**

Test Method: LM-79-08  
 Report Number: P599580  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3C-827-U-SLL-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield  
 Light Source: (48) 2700K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

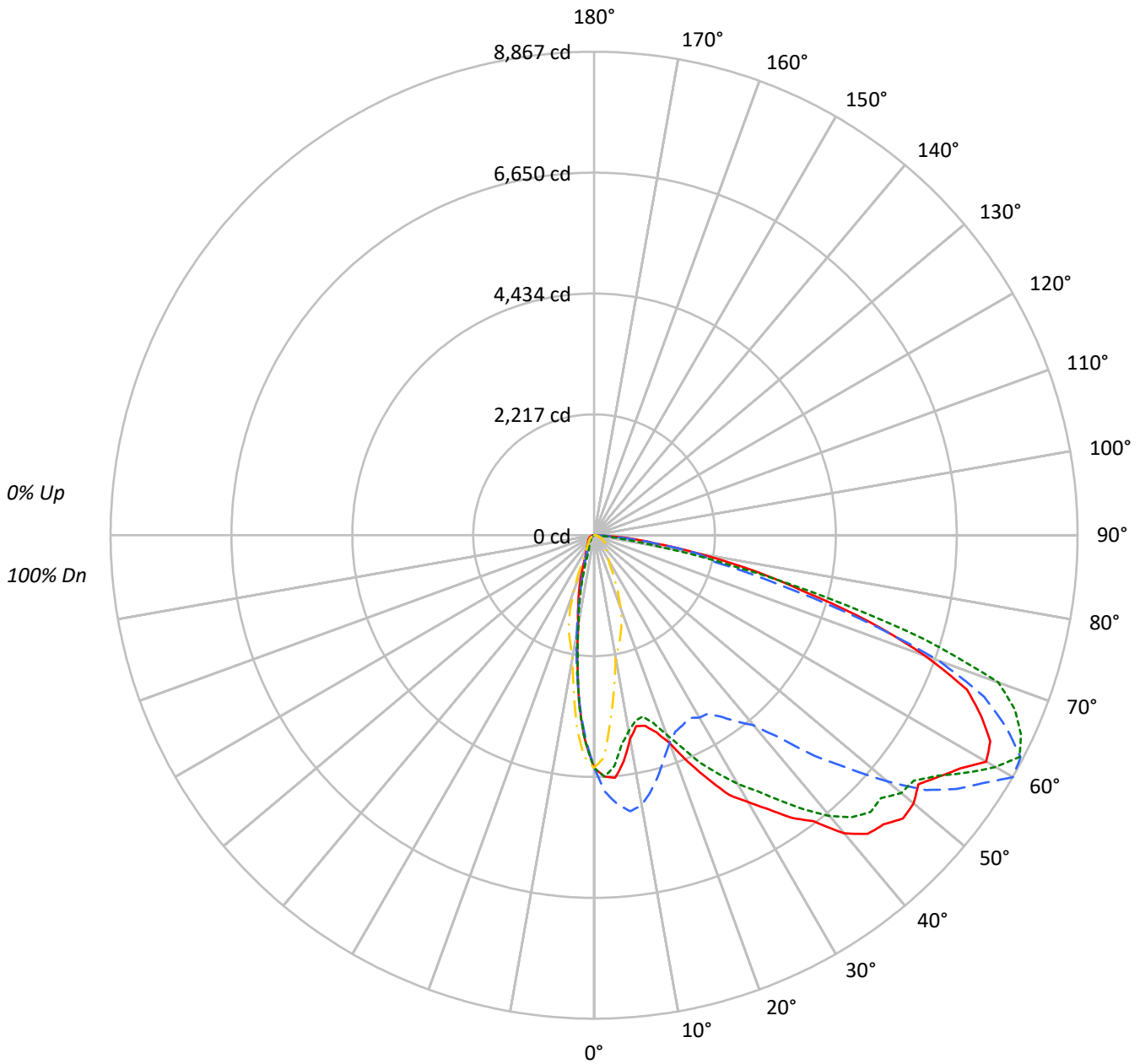
Lumens per Lamp: N/A  
 Luminaire Lumens: 11340.9 lumens  
 Efficiency: N/A  
 Efficacy: 70.5 lumens/watt  
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 160.8  
 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

TEST NUMBER: P599580  
CATALOG NUMBER: IFLD-S-SA3C-827-U-SLL-HSS

### Luminous Intensity Polar Plot



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

TEST NUMBER: P599580  
 CATALOG NUMBER: IFLD-S-SA3C-827-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°	61198	61198	61198	61198
5°	64312	61213	44721	44984
10°	55301	53182	24451	23877
15°	53772	51117	15885	11970
20°	61981	59390	8510	4255
25°	77932	72896	5516	3310
30°	93601	87227	4466	2710
35°	110843	103998	3662	2176
40°	133733	125903	3234	1645
45°	152255	145618	3012	1106
50°	170804	164177	2976	677
55°	193158	192475	2955	303
60°	238359	244008	2695	86
65°	265957	293315	2469	0
70°	271193	331047	2287	0
75°	220663	244175	2185	0
80°	160447	102121	2256	0
85°	103725	42880	2997	0

TEST NUMBER: P599580  
 CATALOG NUMBER: IFLD-S-SA3C-827-U-SLL-HSS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.9	2.9
10°-20°	635.2	5.6
20°-30°	879.1	7.8
30°-40°	1242.3	11.0
40°-50°	1691.5	14.9
50°-60°	2240.2	19.8
60°-70°	2601.1	22.9
70°-80°	1473.0	13.0
80°-90°	254.5	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°	1838.2	16.2
0°-40°	3080.6	27.2
0°-60°	7012.3	61.8
0°-90°	11340.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11340.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4264	4264	4264	4264	4264	
5°	4464	4249	3104	3122	4464	401
15°	3619	3440	1069	806	3619	1061
25°	4921	4603	348	209	4921	2295
35°	6326	5936	209	124	6326	3988
45°	7502	7174	148	54	7502	5816
55°	7720	7692	118	12	7720	6994
65°	7832	8637	73	0	7832	7634
75°	3979	4403	39	0	3979	4343
85°	630	260	18	0	630	757
90°	0	0	0	0	0	

TEST NUMBER: P599580  
 CATALOG NUMBER: IFLD-S-SA3C-827-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1
2.5°	4430.7	4524.5	4527.6	4570.0	4612.4	4612.4	4712.3	4688.1	4600.3	4585.1	4521.5
5°	4464.0	4497.3	4521.5	4736.5	4918.2	4900.1	4954.6	4918.2	4748.6	4530.6	4382.2
7.5°	4176.3	4212.6	4309.5	4676.0	4921.3	5003.0	5106.0	4878.9	4700.2	4306.5	4021.8
10°	3794.7	3864.3	4043.0	4460.9	4763.8	5024.2	5024.2	4842.5	4497.3	4112.7	3764.4
12.5°	3582.7	3722.0	3818.9	4242.9	4636.6	4815.3	4809.2	4712.3	4488.2	4003.6	3609.9
15°	3619.0	3658.4	3864.3	4194.4	4454.9	4445.8	4554.8	4524.5	4367.1	4100.6	3667.5
17.5°	3785.6	3846.2	4024.8	4194.4	4318.6	4282.3	4279.2	4424.6	4433.7	4264.1	3882.5
20°	4058.2	4236.8	4321.6	4373.1	4221.7	4067.2	4049.1	4252.0	4409.5	4473.1	4139.9
22.5°	4494.3	4612.4	4785.0	4521.5	4127.8	3934.0	3897.6	4121.8	4439.7	4721.4	4473.1
25°	4921.3	5012.1	5178.7	4839.5	4233.8	3906.7	3843.1	4037.0	4554.8	5066.6	4875.8
27.5°	5372.5	5451.3	5469.4	5072.7	4291.3	3852.2	3776.5	4037.0	4651.7	5248.3	5357.4
30°	5648.1	5742.0	5760.2	5278.6	4385.2	3897.6	3861.3	4055.1	4718.4	5402.8	5702.6
32.5°	5957.0	5981.2	5966.1	5315.0	4488.2	4030.9	3879.5	4176.3	4794.1	5587.5	6017.6
35°	6326.5	6368.9	6214.4	5481.5	4718.4	4115.7	4061.2	4324.7	4924.3	5672.3	6399.2
37.5°	6608.1	6741.4	6393.1	5545.1	4763.8	4294.4	4303.5	4633.6	5015.2	5775.3	6820.1
40°	7138.1	6914.0	6696.0	5763.2	4936.4	4597.2	4548.8	4951.6	5321.0	5841.9	7095.7
42.5°	7428.8	7310.7	6814.1	5784.4	5202.9	5015.2	5027.3	5311.9	5481.5	6029.7	7171.4
45°	7501.5	7377.4	6974.6	5799.5	5466.4	5508.8	5717.8	5772.3	5717.8	6153.9	7313.8
47.5°	7686.3	7416.7	6956.4	6002.4	5893.4	6056.9	6323.5	6441.6	6038.8	6108.4	7380.4
50°	7649.9	7495.5	6917.0	6087.2	6414.3	6847.4	7026.1	6977.6	6396.1	6014.6	7307.7
52.5°	7498.5	7331.9	7038.2	6317.4	6901.9	7425.8	7674.2	7553.0	6714.1	6226.5	7259.3
55°	7719.6	7592.4	7195.7	6629.3	7268.3	7934.6	8110.3	8019.4	7104.8	6423.4	7534.8
57.5°	7958.8	7931.6	7622.7	6995.8	7701.4	8458.5	8458.5	8346.5	7444.0	6708.1	7943.7
60°	8304.1	8364.6	7937.6	7238.1	7849.8	8428.2	8867.4	8737.1	7786.2	7207.8	8407.0
62.5°	8192.0	8385.8	8343.4	7759.0	8019.4	8576.6	8815.9	8912.8	8210.2	7816.5	9024.9
65°	7831.6	8037.6	8340.4	8101.2	7892.2	8216.3	8337.4	8631.2	8422.2	8388.9	9279.2
67.5°	7401.6	7625.7	7813.5	8331.3	7634.8	7849.8	7743.8	7837.7	8192.0	9015.8	9424.6
70°	6462.8	6677.8	6974.6	7819.5	6953.4	6759.6	6732.3	6686.9	7238.1	8791.7	8764.4
72.5°	5315.0	5414.9	5905.5	6356.8	5145.4	5109.0	5151.4	5100.0	5739.0	7958.8	7507.6
75°	3979.4	4079.4	4358.0	4881.9	3503.9	3295.0	3537.3	3776.5	4382.2	6178.1	5393.7
77.5°	2992.1	3119.3	3295.0	3652.3	2571.2	2244.1	2277.4	2504.5	3167.8	4948.5	3022.4
80°	1941.3	1926.1	2265.3	2513.6	1935.2	1995.8	1911.0	2077.5	2295.6	2646.9	1544.5
82.5°	1120.5	1135.7	1278.0	1441.6	1347.7	1541.5	1111.5	1856.5	1638.4	1078.1	575.4
85°	629.9	657.2	787.4	999.4	844.9	566.3	463.4	920.7	1029.7	442.2	278.6
87.5°	63.6	54.5	106.0	378.6	230.2	93.9	139.3	221.1	248.3	166.6	81.8
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: P599580  
 CATALOG NUMBER: IFLD-S-SA3C-827-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1
2.5°	4430.7	4430.7	4354.9	4227.8	4176.3	4085.4	3961.2	4000.6	3958.2	3803.8	3764.4
5°	4248.9	4103.6	3946.1	3752.3	3640.2	3410.1	3337.4	3207.2	3228.4	3098.1	3104.2
7.5°	3870.4	3755.3	3488.8	3234.4	3013.3	2813.5	2531.8	2425.8	2322.8	2271.4	2331.9
10°	3649.3	3434.3	3070.9	2737.7	2444.0	2265.3	2077.5	1932.2	1798.9	1699.0	1677.8
12.5°	3488.8	3298.0	2858.9	2453.1	2222.9	2077.5	1904.9	1705.0	1574.8	1402.2	1350.7
15°	3440.3	3207.2	2743.8	2341.0	2116.9	1877.7	1680.8	1484.0	1314.4	1132.6	1069.1
17.5°	3606.9	3337.4	2740.8	2250.2	1935.2	1677.8	1405.2	1184.1	1011.5	844.9	805.6
20°	3888.6	3476.7	2828.6	2195.6	1762.6	1417.3	1108.4	887.3	693.5	584.5	557.2
22.5°	4209.6	3712.9	2837.7	2050.3	1589.9	1156.9	808.6	584.5	475.5	424.0	408.8
25°	4603.3	4091.5	2946.7	1932.2	1387.0	878.3	575.4	448.2	384.6	354.3	348.3
27.5°	4927.3	4354.9	3064.8	1808.0	1187.2	651.1	451.2	366.4	333.1	302.8	299.8
30°	5263.5	4657.8	3098.1	1732.3	1014.5	536.0	387.6	324.0	287.7	272.6	269.5
32.5°	5557.3	4987.9	3204.1	1608.1	851.0	472.4	351.3	290.7	266.5	242.3	239.2
35°	5935.8	5178.7	3255.6	1541.5	790.4	427.0	321.0	266.5	230.2	215.0	209.0
37.5°	6341.6	5363.4	3288.9	1490.0	738.9	399.8	302.8	251.4	218.1	196.9	190.8
40°	6720.2	5623.9	3240.5	1426.4	699.6	366.4	290.7	233.2	202.9	181.7	172.6
42.5°	7010.9	5878.3	3225.3	1365.8	657.2	354.3	275.6	224.1	190.8	166.6	163.5
45°	7174.5	6050.9	3119.3	1317.4	623.9	360.4	269.5	212.0	181.7	160.5	148.4
47.5°	7135.1	6184.1	3146.6	1302.2	578.4	336.2	266.5	202.9	166.6	148.4	139.3
50°	7353.1	6453.7	3101.2	1253.8	545.1	302.8	290.7	202.9	163.5	142.3	133.3
52.5°	7389.5	6699.0	3198.1	1166.0	493.6	278.6	287.7	199.9	157.5	136.3	124.2
55°	7692.3	6983.7	3385.8	1117.5	451.2	242.3	263.5	193.8	142.3	124.2	118.1
57.5°	8104.2	7574.2	3507.0	1072.1	393.7	212.0	221.1	190.8	130.2	115.1	106.0
60°	8500.9	7810.4	3516.1	990.3	339.2	190.8	172.6	190.8	121.1	103.0	93.9
62.5°	8797.7	7810.4	3455.5	920.7	296.8	169.6	151.4	181.7	109.0	90.9	84.8
65°	8637.2	7601.5	3298.0	863.1	269.5	148.4	130.2	139.3	96.9	78.7	72.7
67.5°	8349.5	6950.3	2949.7	793.5	266.5	130.2	112.1	103.0	84.8	69.7	63.6
70°	7889.2	6072.1	2456.1	714.7	260.4	118.1	99.9	87.8	75.7	60.6	54.5
72.5°	6356.8	5015.2	2017.0	669.3	254.4	103.0	84.8	75.7	63.6	51.5	45.4
75°	4403.4	3204.1	1553.6	572.4	248.3	93.9	78.7	66.6	54.5	42.4	39.4
77.5°	2640.8	2141.1	1002.4	430.0	163.5	75.7	66.6	51.5	45.4	36.3	33.3
80°	1235.6	1011.5	405.8	166.6	78.7	54.5	45.4	39.4	36.3	30.3	27.3
82.5°	484.6	427.0	196.9	96.9	63.6	42.4	36.3	33.3	30.3	24.2	21.2
85°	260.4	230.2	93.9	66.6	45.4	30.3	30.3	27.3	24.2	21.2	18.2
87.5°	57.5	42.4	39.4	39.4	33.3	24.2	24.2	21.2	18.2	15.1	12.1
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: P599580  
 CATALOG NUMBER: IFLD-S-SA3C-827-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1
2.5°	3743.2	3788.6	3715.9	3761.4	3697.8	3746.2	3752.3	3706.9	3719.0	3779.5	3806.8
5°	3189.0	3158.7	3092.1	3070.9	3073.9	3034.5	3049.7	3070.9	3104.2	3122.4	3176.9
7.5°	2298.6	2368.3	2365.2	2416.7	2419.8	2413.7	2371.3	2280.4	2310.7	2286.5	2316.8
10°	1644.5	1674.7	1732.3	1765.6	1826.2	1792.9	1695.9	1659.6	1641.4	1638.4	1668.7
12.5°	1314.4	1241.7	1235.6	1247.7	1278.0	1238.6	1190.2	1147.8	1169.0	1211.4	1244.7
15°	1017.6	957.0	878.3	866.1	872.2	854.0	802.5	748.0	763.2	805.6	829.8
17.5°	781.3	711.7	657.2	620.8	608.7	545.1	469.4	424.0	411.9	408.8	430.0
20°	527.0	514.8	505.8	460.3	460.3	369.5	305.9	272.6	272.6	278.6	281.6
22.5°	393.7	378.6	381.6	372.5	348.3	275.6	242.3	233.2	233.2	239.2	239.2
25°	342.2	321.0	315.0	311.9	287.7	236.2	212.0	202.9	202.9	209.0	209.0
27.5°	290.7	284.7	275.6	263.5	242.3	202.9	187.8	178.7	181.7	184.7	181.7
30°	266.5	251.4	239.2	239.2	215.0	181.7	169.6	163.5	157.5	163.5	166.6
32.5°	236.2	227.1	221.1	212.0	184.7	160.5	148.4	142.3	139.3	139.3	142.3
35°	202.9	202.9	196.9	184.7	160.5	145.4	130.2	124.2	121.1	124.2	124.2
37.5°	181.7	172.6	175.7	163.5	142.3	127.2	112.1	106.0	106.0	103.0	106.0
40°	169.6	154.5	145.4	139.3	127.2	109.0	96.9	90.9	87.8	87.8	87.8
42.5°	151.4	139.3	121.1	118.1	115.1	93.9	78.7	75.7	72.7	69.7	69.7
45°	142.3	124.2	109.0	93.9	93.9	78.7	66.6	60.6	57.5	54.5	57.5
47.5°	130.2	112.1	93.9	78.7	75.7	63.6	51.5	45.4	42.4	42.4	42.4
50°	124.2	99.9	81.8	66.6	57.5	51.5	39.4	33.3	30.3	30.3	30.3
52.5°	115.1	93.9	72.7	57.5	45.4	39.4	30.3	24.2	21.2	21.2	21.2
55°	103.0	84.8	63.6	48.5	39.4	30.3	21.2	15.1	12.1	12.1	12.1
57.5°	96.9	75.7	54.5	42.4	30.3	21.2	12.1	9.1	9.1	6.1	9.1
60°	87.8	66.6	45.4	33.3	24.2	15.1	9.1	3.0	3.0	3.0	3.0
62.5°	75.7	57.5	39.4	27.3	18.2	9.1	3.0	0.0	0.0	0.0	0.0
65°	63.6	45.4	30.3	21.2	12.1	3.0	0.0	0.0	0.0	0.0	0.0
67.5°	54.5	39.4	24.2	15.1	9.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	48.5	33.3	18.2	12.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	39.4	27.3	15.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	33.3	21.2	9.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	27.3	15.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	21.2	12.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.2	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.1	3.0	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: P599580  
 CATALOG NUMBER: IFLD-S-SA3C-827-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1	4264.1
2.5°	3846.2	3828.0	3918.8	4067.2	4143.0	4291.3	4327.7	4421.6	4397.3	4430.7
5°	3182.9	3219.3	3352.5	3570.6	3649.3	3864.3	4067.2	4270.1	4400.4	4464.0
7.5°	2362.2	2483.3	2646.9	2846.8	3049.7	3331.3	3676.6	3912.8	4040.0	4176.3
10°	1759.5	1889.8	2077.5	2274.4	2604.5	2919.4	3264.7	3558.5	3667.5	3794.7
12.5°	1384.0	1586.9	1805.0	2017.0	2213.8	2513.6	2940.6	3367.7	3485.8	3582.7
15°	963.1	1211.4	1523.3	1798.9	2074.5	2335.0	2777.1	3295.0	3455.5	3619.0
17.5°	533.0	729.9	1087.2	1474.9	1880.7	2280.4	2831.6	3428.2	3670.5	3785.6
20°	308.9	387.6	642.0	1102.4	1638.4	2162.3	2858.9	3679.6	4000.6	4058.2
22.5°	254.4	281.6	363.4	690.5	1341.6	2086.6	2998.2	4030.9	4358.0	4494.3
25°	218.1	239.2	281.6	414.9	1014.5	1926.1	3086.0	4470.0	4772.9	4921.3
27.5°	193.8	215.0	248.3	305.9	690.5	1705.0	3231.4	4866.8	5169.6	5372.5
30°	169.6	187.8	221.1	260.4	478.5	1456.7	3355.5	5157.5	5584.5	5648.1
32.5°	151.4	166.6	190.8	224.1	354.3	1105.4	3455.5	5457.3	5817.7	5957.0
35°	130.2	148.4	163.5	190.8	269.5	832.8	3394.9	5690.5	6159.9	6326.5
37.5°	115.1	127.2	142.3	160.5	227.1	651.1	3270.8	5969.1	6453.7	6608.1
40°	96.9	106.0	124.2	142.3	205.9	502.7	3128.4	6305.3	6865.6	7138.1
42.5°	81.8	90.9	103.0	133.3	169.6	372.5	2840.7	6565.7	7198.7	7428.8
45°	63.6	75.7	93.9	133.3	136.3	275.6	2543.9	6759.6	7386.4	7501.5
47.5°	48.5	60.6	90.9	115.1	109.0	190.8	2192.6	6980.6	7580.3	7686.3
50°	36.3	48.5	103.0	99.9	90.9	145.4	1971.5	7135.1	7592.4	7649.9
52.5°	24.2	36.3	84.8	75.7	75.7	127.2	1911.0	7129.0	7622.7	7498.5
55°	18.2	27.3	48.5	54.5	66.6	112.1	1856.5	7356.2	7631.8	7719.6
57.5°	12.1	21.2	33.3	42.4	57.5	96.9	1744.4	7628.7	7913.4	7958.8
60°	6.1	15.1	24.2	33.3	48.5	84.8	1586.9	7828.6	8255.6	8304.1
62.5°	3.0	9.1	18.2	27.3	39.4	66.6	1423.4	7510.6	8107.2	8192.0
65°	0.0	6.1	12.1	18.2	24.2	48.5	1156.9	6780.8	7519.7	7831.6
67.5°	0.0	0.0	6.1	12.1	15.1	36.3	872.2	6169.0	6977.6	7401.6
70°	0.0	0.0	3.0	3.0	9.1	27.3	557.2	5109.0	6229.6	6462.8
72.5°	0.0	0.0	0.0	0.0	3.0	18.2	324.0	3794.7	4881.9	5315.0
75°	0.0	0.0	0.0	0.0	0.0	15.1	163.5	2441.0	3397.9	3979.4
77.5°	0.0	0.0	0.0	0.0	0.0	12.1	87.8	1574.8	2504.5	2992.1
80°	0.0	0.0	0.0	0.0	0.0	3.0	51.5	914.6	1602.1	1941.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	21.2	448.2	957.0	1120.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.1	239.2	478.5	629.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	33.3	63.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)