

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: P599581

Luminaire Tested: **IFLD-S-SA3D-827-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: P599581  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3D-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**

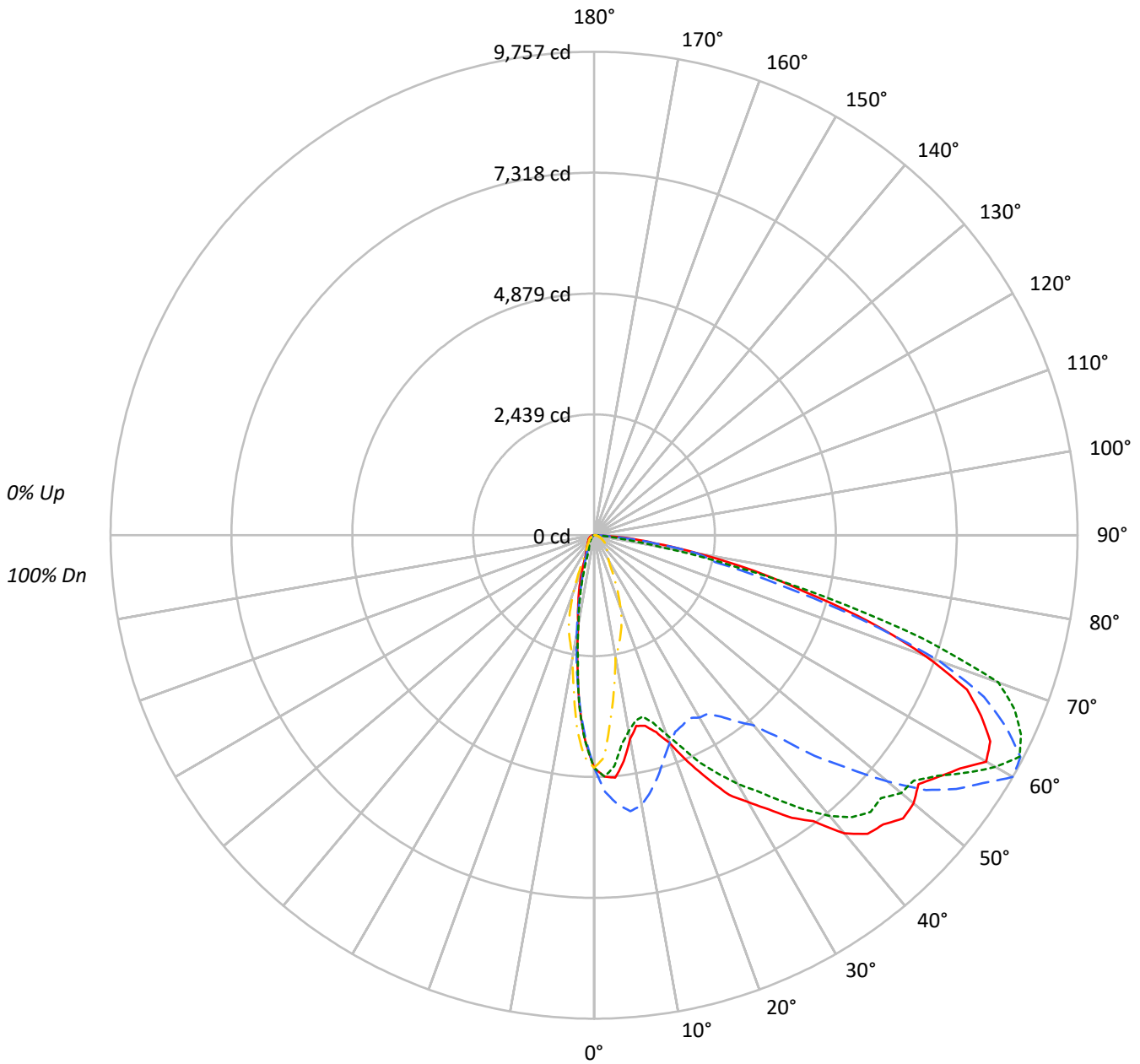
Lumens per Lamp: N/A  
 Luminaire Lumens: 12478.6 lumens  
 Efficiency: N/A  
 Efficacy: 67.8 lumens/watt  
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 184.1  
 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				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°	67338	67338	67338	67338
5°	70763	67354	49208	49496
10°	60849	58518	26904	26273
15°	59167	56246	17478	13170
20°	68198	65348	9364	4683
25°	85750	80209	6068	3641
30°	102991	95977	4915	2981
35°	121963	114431	4028	2393
40°	147149	138535	3558	1810
45°	167530	160226	3314	1218
50°	187940	180648	3273	744
55°	212535	211784	3253	333
60°	262272	268489	2965	95
65°	292639	322740	2717	0
70°	298397	364256	2518	0
75°	242800	268673	2401	0
80°	176539	112370	2479	0
85°	114132	47194	3293	0

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	356.4	2.9
10°-20°	699.0	5.6
20°-30°	967.3	7.8
30°-40°	1367.0	11.0
40°-50°	1861.2	14.9
50°-60°	2465.0	19.8
60°-70°	2862.0	22.9
70°-80°	1620.8	13.0
80°-90°	280.0	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°	2022.7	16.2
0°-40°	3389.6	27.2
0°-60°	7715.8	61.8
0°-90°	12478.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12478.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4692	4692	4692	4692	4692	
5°	4912	4675	3416	3436	4912	441
15°	3982	3786	1176	886	3982	1168
25°	5415	5065	383	230	5415	2526
35°	6961	6531	230	137	6961	4388
45°	8254	7894	163	60	8254	6399
55°	8494	8464	130	13	8494	7696
65°	8617	9504	80	0	8617	8400
75°	4379	4845	43	0	4379	4779
85°	693	287	20	0	693	833
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°	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9
2.5°	4875.2	4978.5	4981.8	5028.4	5075.1	5075.1	5185.1	5158.4	5061.8	5045.1	4975.1
5°	4911.8	4948.5	4975.1	5211.7	5411.7	5391.7	5451.6	5411.7	5225.0	4985.1	4821.8
7.5°	4595.2	4635.2	4741.9	5145.1	5415.0	5505.0	5618.3	5368.3	5171.7	4738.5	4425.3
10°	4175.4	4252.0	4448.6	4908.5	5241.7	5528.3	5528.3	5328.3	4948.5	4525.3	4142.0
12.5°	3942.1	4095.4	4202.0	4668.6	5101.7	5298.4	5291.7	5185.1	4938.5	4405.3	3972.1
15°	3982.1	4025.4	4252.0	4615.2	4901.8	4891.8	5011.8	4978.5	4805.2	4511.9	4035.4
17.5°	4165.4	4232.0	4428.6	4615.2	4751.9	4711.9	4708.5	4868.5	4878.5	4691.9	4272.0
20°	4465.3	4661.9	4755.2	4811.8	4645.2	4475.3	4455.3	4678.5	4851.8	4921.8	4555.3
22.5°	4945.1	5075.1	5265.0	4975.1	4541.9	4328.7	4288.7	4535.3	4885.2	5195.1	4921.8
25°	5415.0	5515.0	5698.2	5325.0	4658.6	4298.7	4228.7	4442.0	5011.8	5574.9	5365.0
27.5°	5911.5	5998.1	6018.1	5581.6	4721.9	4238.7	4155.4	4442.0	5118.4	5774.9	5894.8
30°	6214.7	6318.0	6338.0	5808.2	4825.2	4288.7	4248.7	4461.9	5191.7	5944.8	6274.7
32.5°	6554.6	6581.3	6564.6	5848.2	4938.5	4435.3	4268.7	4595.2	5275.0	6148.1	6621.3
35°	6961.2	7007.8	6837.9	6031.5	5191.7	4528.6	4468.6	4758.5	5418.3	6241.4	7041.1
37.5°	7271.1	7417.7	7034.5	6101.4	5241.7	4725.2	4735.2	5098.4	5518.3	6354.7	7504.3
40°	7854.2	7607.6	7367.7	6341.4	5431.6	5058.4	5005.1	5448.3	5854.8	6428.0	7807.6
42.5°	8174.1	8044.2	7497.7	6364.7	5724.9	5518.3	5531.6	5844.9	6031.5	6634.6	7890.9
45°	8254.1	8117.5	7674.3	6381.4	6014.8	6061.5	6291.4	6351.4	6291.4	6771.2	8047.5
47.5°	8457.4	8160.8	7654.3	6604.6	6484.7	6664.6	6957.8	7087.8	6644.6	6721.2	8120.8
50°	8417.4	8247.4	7611.0	6697.9	7057.8	7534.3	7730.9	7677.6	7037.8	6617.9	8040.8
52.5°	8250.8	8067.5	7744.3	6951.2	7594.3	8170.8	8444.0	8310.8	7387.7	6851.2	7987.5
55°	8494.0	8354.1	7917.5	7294.4	7997.5	8730.6	8923.9	8823.9	7817.6	7067.8	8290.8
57.5°	8757.3	8727.3	8387.4	7697.6	8474.0	9307.1	9307.1	9183.8	8190.8	7381.0	8740.6
60°	9137.2	9203.8	8734.0	7964.2	8637.3	9273.8	9757.0	9613.7	8567.3	7930.9	9250.5
62.5°	9013.9	9227.1	9180.5	8537.4	8823.9	9437.1	9700.3	9807.0	9033.9	8600.7	9930.3
65°	8617.3	8843.9	9177.2	8913.9	8684.0	9040.5	9173.8	9497.1	9267.1	9230.5	10210.2
67.5°	8144.1	8390.7	8597.3	9167.2	8400.7	8637.3	8520.7	8624.0	9013.9	9920.3	10370.1
70°	7111.1	7347.7	7674.3	8604.0	7651.0	7437.7	7407.7	7357.7	7964.2	9673.7	9643.7
72.5°	5848.2	5958.2	6498.0	6994.5	5661.6	5621.6	5668.2	5611.6	6314.7	8757.3	8260.8
75°	4378.6	4488.6	4795.2	5371.7	3855.5	3625.5	3892.1	4155.4	4821.8	6797.9	5934.8
77.5°	3292.3	3432.3	3625.5	4018.8	2829.1	2469.2	2505.9	2755.8	3485.6	5445.0	3325.6
80°	2136.0	2119.3	2492.6	2765.8	2129.3	2196.0	2102.7	2286.0	2525.9	2912.4	1699.5
82.5°	1233.0	1249.6	1406.2	1586.2	1482.9	1696.1	1223.0	2042.7	1802.8	1186.3	633.1
85°	693.1	723.1	866.4	1099.7	929.7	623.1	509.8	1013.0	1133.0	486.5	306.6
87.5°	70.0	60.0	116.6	416.5	253.3	103.3	153.3	243.3	273.2	183.3	90.0
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9
2.5°	4875.2	4875.2	4791.8	4651.9	4595.2	4495.3	4358.6	4402.0	4355.3	4185.4	4142.0
5°	4675.2	4515.3	4342.0	4128.7	4005.4	3752.2	3672.2	3528.9	3552.2	3408.9	3415.6
7.5°	4258.7	4132.1	3838.8	3558.9	3315.6	3095.7	2785.8	2669.2	2555.9	2499.2	2565.9
10°	4015.4	3778.8	3379.0	3012.4	2689.2	2492.6	2286.0	2126.0	1979.4	1869.4	1846.1
12.5°	3838.8	3628.9	3145.7	2699.2	2445.9	2286.0	2096.0	1876.1	1732.8	1542.9	1486.2
15°	3785.5	3528.9	3019.1	2575.9	2329.3	2066.0	1849.4	1632.8	1446.2	1246.3	1176.3
17.5°	3968.8	3672.2	3015.7	2475.9	2129.3	1846.1	1546.2	1302.9	1113.0	929.7	886.4
20°	4278.7	3825.5	3112.4	2415.9	1939.4	1559.5	1219.6	976.4	763.1	643.1	613.1
22.5°	4631.9	4085.4	3122.4	2256.0	1749.5	1272.9	889.7	643.1	523.2	466.5	449.9
25°	5065.1	4501.9	3242.3	2126.0	1526.2	966.4	633.1	493.2	423.2	389.9	383.2
27.5°	5421.7	4791.8	3372.3	1989.4	1306.3	716.4	496.5	403.2	366.6	333.2	329.9
30°	5791.5	5125.1	3408.9	1906.1	1116.3	589.8	426.5	356.6	316.6	299.9	296.6
32.5°	6114.8	5488.3	3525.6	1769.5	936.4	519.8	386.5	319.9	293.2	266.6	263.3
35°	6531.3	5698.2	3582.2	1696.1	869.7	469.9	353.2	293.2	253.3	236.6	229.9
37.5°	6977.8	5901.5	3618.9	1639.5	813.1	439.9	333.2	276.6	239.9	216.6	209.9
40°	7394.4	6188.1	3565.6	1569.5	769.8	403.2	319.9	256.6	223.3	199.9	189.9
42.5°	7714.3	6468.0	3548.9	1502.9	723.1	389.9	303.2	246.6	209.9	183.3	179.9
45°	7894.2	6657.9	3432.3	1449.6	686.5	396.5	296.6	233.3	199.9	176.6	163.3
47.5°	7850.9	6804.6	3462.3	1432.9	636.5	369.9	293.2	223.3	183.3	163.3	153.3
50°	8090.8	7101.1	3412.3	1379.6	599.8	333.2	319.9	223.3	179.9	156.6	146.6
52.5°	8130.8	7371.0	3518.9	1282.9	543.2	306.6	316.6	219.9	173.3	150.0	136.6
55°	8464.0	7684.3	3725.5	1229.6	496.5	266.6	289.9	213.3	156.6	136.6	130.0
57.5°	8917.2	8334.1	3858.8	1179.6	433.2	233.3	243.3	209.9	143.3	126.6	116.6
60°	9353.8	8594.0	3868.8	1089.7	373.2	209.9	189.9	209.9	133.3	113.3	103.3
62.5°	9680.3	8594.0	3802.2	1013.0	326.6	186.6	166.6	199.9	120.0	100.0	93.3
65°	9503.7	8364.1	3628.9	949.7	296.6	163.3	143.3	153.3	106.6	86.6	80.0
67.5°	9187.1	7647.6	3245.7	873.1	293.2	143.3	123.3	113.3	93.3	76.6	70.0
70°	8680.6	6681.3	2702.5	786.4	286.6	130.0	110.0	96.6	83.3	66.6	60.0
72.5°	6994.5	5518.3	2219.3	736.4	279.9	113.3	93.3	83.3	70.0	56.6	50.0
75°	4845.2	3525.6	1709.5	629.8	273.2	103.3	86.6	73.3	60.0	46.7	43.3
77.5°	2905.8	2355.9	1103.0	473.2	179.9	83.3	73.3	56.6	50.0	40.0	36.7
80°	1359.6	1113.0	446.5	183.3	86.6	60.0	50.0	43.3	40.0	33.3	30.0
82.5°	533.2	469.9	216.6	106.6	70.0	46.7	40.0	36.7	33.3	26.7	23.3
85°	286.6	253.3	103.3	73.3	50.0	33.3	33.3	30.0	26.7	23.3	20.0
87.5°	63.3	46.7	43.3	43.3	36.7	26.7	26.7	23.3	20.0	16.7	13.3
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°	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9
2.5°	4118.7	4168.7	4088.7	4138.7	4068.7	4122.1	4128.7	4078.7	4092.1	4158.7	4188.7
5°	3508.9	3475.6	3402.3	3379.0	3382.3	3339.0	3355.6	3379.0	3415.6	3435.6	3495.6
7.5°	2529.2	2605.9	2602.5	2659.2	2662.5	2655.8	2609.2	2509.2	2542.5	2515.9	2549.2
10°	1809.4	1842.8	1906.1	1942.7	2009.4	1972.7	1866.1	1826.1	1806.1	1802.8	1836.1
12.5°	1446.2	1366.2	1359.6	1372.9	1406.2	1362.9	1309.6	1262.9	1286.3	1332.9	1369.6
15°	1119.7	1053.0	966.4	953.0	959.7	939.7	883.1	823.1	839.7	886.4	913.0
17.5°	859.7	783.1	723.1	683.1	669.8	599.8	516.5	466.5	453.2	449.9	473.2
20°	579.8	566.5	556.5	506.5	506.5	406.5	336.6	299.9	299.9	306.6	309.9
22.5°	433.2	416.5	419.9	409.9	383.2	303.2	266.6	256.6	256.6	263.3	263.3
25°	376.5	353.2	346.6	343.2	316.6	259.9	233.3	223.3	223.3	229.9	229.9
27.5°	319.9	313.2	303.2	289.9	266.6	223.3	206.6	196.6	199.9	203.3	199.9
30°	293.2	276.6	263.3	263.3	236.6	199.9	186.6	179.9	173.3	179.9	183.3
32.5°	259.9	249.9	243.3	233.3	203.3	176.6	163.3	156.6	153.3	153.3	156.6
35°	223.3	223.3	216.6	203.3	176.6	160.0	143.3	136.6	133.3	136.6	136.6
37.5°	199.9	189.9	193.3	179.9	156.6	140.0	123.3	116.6	116.6	113.3	116.6
40°	186.6	169.9	160.0	153.3	140.0	120.0	106.6	100.0	96.6	96.6	96.6
42.5°	166.6	153.3	133.3	130.0	126.6	103.3	86.6	83.3	80.0	76.6	76.6
45°	156.6	136.6	120.0	103.3	103.3	86.6	73.3	66.6	63.3	60.0	63.3
47.5°	143.3	123.3	103.3	86.6	83.3	70.0	56.6	50.0	46.7	46.7	46.7
50°	136.6	110.0	90.0	73.3	63.3	56.6	43.3	36.7	33.3	33.3	33.3
52.5°	126.6	103.3	80.0	63.3	50.0	43.3	33.3	26.7	23.3	23.3	23.3
55°	113.3	93.3	70.0	53.3	43.3	33.3	23.3	16.7	13.3	13.3	13.3
57.5°	106.6	83.3	60.0	46.7	33.3	23.3	13.3	10.0	10.0	6.7	10.0
60°	96.6	73.3	50.0	36.7	26.7	16.7	10.0	3.3	3.3	3.3	3.3
62.5°	83.3	63.3	43.3	30.0	20.0	10.0	3.3	0.0	0.0	0.0	0.0
65°	70.0	50.0	33.3	23.3	13.3	3.3	0.0	0.0	0.0	0.0	0.0
67.5°	60.0	43.3	26.7	16.7	10.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	53.3	36.7	20.0	13.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	43.3	30.0	16.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	36.7	23.3	10.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	30.0	16.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	23.3	13.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.0	3.3	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: P599581  
 CATALOG NUMBER: IFLD-S-SA3D-827-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9	4691.9
2.5°	4232.0	4212.0	4312.0	4475.3	4558.6	4721.9	4761.9	4865.2	4838.5	4875.2
5°	3502.2	3542.2	3688.9	3928.8	4015.4	4252.0	4475.3	4698.5	4841.8	4911.8
7.5°	2599.2	2732.5	2912.4	3132.4	3355.6	3665.5	4045.4	4305.3	4445.3	4595.2
10°	1936.1	2079.4	2286.0	2502.6	2865.8	3212.3	3592.2	3915.5	4035.4	4175.4
12.5°	1522.9	1746.1	1986.1	2219.3	2435.9	2765.8	3235.7	3705.5	3835.5	3942.1
15°	1059.7	1332.9	1676.1	1979.4	2282.6	2569.2	3055.7	3625.5	3802.2	3982.1
17.5°	586.5	803.1	1196.3	1622.8	2069.4	2509.2	3115.7	3772.2	4038.7	4165.4
20°	339.9	426.5	706.4	1213.0	1802.8	2379.3	3145.7	4048.7	4402.0	4465.3
22.5°	279.9	309.9	399.9	759.8	1476.2	2296.0	3299.0	4435.3	4795.2	4945.1
25°	239.9	263.3	309.9	456.5	1116.3	2119.3	3395.6	4918.5	5251.7	5415.0
27.5°	213.3	236.6	273.2	336.6	759.8	1876.1	3555.6	5355.0	5688.2	5911.5
30°	186.6	206.6	243.3	286.6	526.5	1602.8	3692.2	5674.9	6144.8	6214.7
32.5°	166.6	183.3	209.9	246.6	389.9	1216.3	3802.2	6004.8	6401.3	6554.6
35°	143.3	163.3	179.9	209.9	296.6	916.4	3735.5	6261.4	6777.9	6961.2
37.5°	126.6	140.0	156.6	176.6	249.9	716.4	3598.9	6568.0	7101.1	7271.1
40°	106.6	116.6	136.6	156.6	226.6	553.2	3442.3	6937.8	7554.3	7854.2
42.5°	90.0	100.0	113.3	146.6	186.6	409.9	3125.7	7224.4	7920.9	8174.1
45°	70.0	83.3	103.3	146.6	150.0	303.2	2799.1	7437.7	8127.5	8254.1
47.5°	53.3	66.6	100.0	126.6	120.0	209.9	2412.6	7680.9	8340.7	8457.4
50°	40.0	53.3	113.3	110.0	100.0	160.0	2169.3	7850.9	8354.1	8417.4
52.5°	26.7	40.0	93.3	83.3	83.3	140.0	2102.7	7844.2	8387.4	8250.8
55°	20.0	30.0	53.3	60.0	73.3	123.3	2042.7	8094.2	8397.4	8494.0
57.5°	13.3	23.3	36.7	46.7	63.3	106.6	1919.4	8394.1	8707.3	8757.3
60°	6.7	16.7	26.7	36.7	53.3	93.3	1746.1	8614.0	9083.8	9137.2
62.5°	3.3	10.0	20.0	30.0	43.3	73.3	1566.2	8264.1	8920.6	9013.9
65°	0.0	6.7	13.3	20.0	26.7	53.3	1272.9	7461.0	8274.1	8617.3
67.5°	0.0	0.0	6.7	13.3	16.7	40.0	959.7	6787.9	7677.6	8144.1
70°	0.0	0.0	3.3	3.3	10.0	30.0	613.1	5621.6	6854.5	7111.1
72.5°	0.0	0.0	0.0	0.0	3.3	20.0	356.6	4175.4	5371.7	5848.2
75°	0.0	0.0	0.0	0.0	0.0	16.7	179.9	2685.8	3738.8	4378.6
77.5°	0.0	0.0	0.0	0.0	0.0	13.3	96.6	1732.8	2755.8	3292.3
80°	0.0	0.0	0.0	0.0	0.0	3.3	56.6	1006.4	1762.8	2136.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	23.3	493.2	1053.0	1233.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.7	263.3	526.5	693.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	36.7	70.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)