

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: P599349

Luminaire Tested: **IFLD-S-SA3D-830-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: P599349  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3D-830-U-SLR-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield  
 Light Source: (48) 3000K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

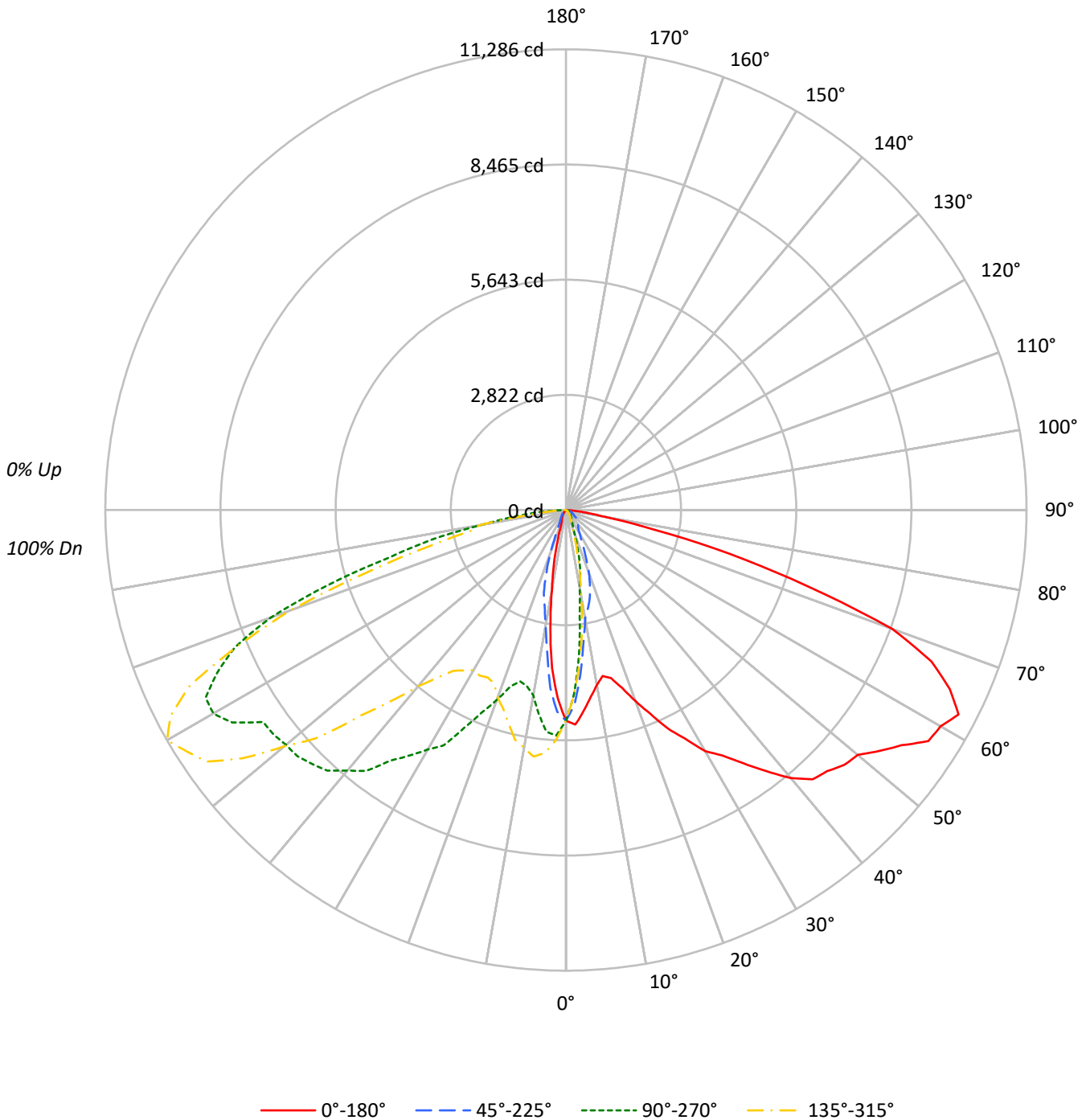
Lumens per Lamp: N/A  
 Luminaire Lumens: 13490.1 lumens  
 Efficiency: N/A  
 Efficacy: 73.3 lumens/watt  
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 184.1  
 Input Voltage (V): 120  
 Input Current (A<sub>in</sub>): 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



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

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

	0°	90°	180°	270°
0°	74016	74016	74016	74016
5°	71260	52083	56065	78542
10°	63445	28357	28727	67155
15°	63333	18913	11564	64523
20°	76044	9443	4611	75600
25°	93533	5932	3571	93072
30°	113010	4761	2713	112288
35°	132605	3823	2102	131266
40°	160535	3271	1362	156106
45°	183660	2953	739	178568
50°	208372	2842	163	199845
55°	251351	2730	0	226599
60°	304312	2296	0	286251
65°	352374	1854	0	320261
70°	356816	1527	0	322936
75°	230916	1009	0	247657
80°	78756	298	0	175249
85°	39521	0	0	128771

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.7	2.9
10°-20°	756.5	5.6
20°-30°	1053.6	7.8
30°-40°	1497.0	11.1
40°-50°	2075.9	15.4
50°-60°	2828.6	21.0
60°-70°	3109.8	23.1
70°-80°	1528.4	11.3
80°-90°	249.6	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
0°-30°	2200.7	16.3
0°-40°	3697.7	27.4
0°-60°	8602.2	63.8
0°-90°	13490.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13490.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5157	5157	5157	5157	5157	
5°	4946	3615	3892	5452	4946	453
15°	4262	1273	778	4343	4262	1262
25°	5906	375	226	5877	5906	2746
35°	7569	218	120	7492	7569	4804
45°	9049	146	36	8798	9049	7014
55°	10045	109	0	9056	10045	9036
65°	10376	55	0	9431	10376	10028
75°	4164	18	0	4466	4164	4540
85°	240	0	0	782	240	332
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°	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2
2.5°	5262.7	5324.5	5266.3	5062.7	5026.3	4928.1	4779.0	4768.1	4611.7	4629.9	4546.2
5°	4946.3	5008.1	4884.5	4615.3	4364.4	4164.3	4044.3	3829.7	3782.5	3677.0	3677.0
7.5°	4622.6	4619.0	4408.0	4182.5	3807.9	3440.6	3273.3	2964.1	2782.3	2684.1	2589.5
10°	4353.5	4295.3	4164.3	3698.8	3291.5	2909.6	2702.3	2498.6	2309.5	2145.8	1982.2
12.5°	4164.3	4200.7	3993.4	3487.9	2960.5	2695.0	2473.1	2258.6	2033.1	1847.6	1665.7
15°	4262.5	4204.4	3960.7	3440.6	2905.9	2542.3	2247.7	1985.8	1734.8	1491.2	1353.0
17.5°	4568.0	4418.9	4131.6	3440.6	2793.2	2309.5	1953.1	1643.9	1374.8	1156.6	985.6
20°	4979.0	4808.1	4498.9	3567.9	2709.6	2138.5	1651.2	1262.0	982.0	778.3	647.4
22.5°	5400.9	5266.3	4800.8	3618.8	2611.4	1909.4	1302.0	912.9	654.7	523.7	458.3
25°	5906.5	5717.3	5208.2	3822.5	2465.9	1687.6	1025.6	636.5	487.4	418.3	378.2
27.5°	6310.2	6277.4	5590.0	3946.1	2356.8	1505.7	811.0	505.5	403.7	352.8	327.3
30°	6819.3	6641.1	6055.6	4193.4	2233.1	1298.4	676.5	454.6	371.0	316.4	298.2
32.5°	7124.8	7041.2	6299.3	4331.6	2094.9	1127.5	581.9	400.1	338.2	298.2	280.0
35°	7568.6	7401.3	6648.4	4418.9	2022.2	1029.3	523.7	363.7	283.7	243.7	221.9
37.5°	8063.2	8001.4	7066.7	4415.3	1916.7	971.1	483.7	338.2	269.1	225.5	200.0
40°	8568.7	8317.8	7321.2	4517.1	1862.1	927.4	454.6	323.7	254.6	214.6	181.8
42.5°	8947.0	8659.7	7615.8	4480.8	1796.7	851.1	443.7	301.9	243.7	196.4	167.3
45°	9048.8	8947.0	7881.3	4469.9	1749.4	789.2	425.5	298.2	236.4	185.5	156.4
47.5°	9245.2	9176.1	8208.7	4488.0	1713.0	741.9	381.9	305.5	225.5	174.6	149.1
50°	9332.5	9208.8	8474.2	4531.7	1629.4	683.8	341.9	320.1	221.9	170.9	141.8
52.5°	9692.6	9583.4	8837.9	4655.3	1560.3	607.4	301.9	305.5	229.1	160.0	134.6
55°	10045.3	9921.7	9398.0	4939.0	1462.1	545.5	258.2	269.1	218.2	145.5	120.0
57.5°	10529.1	10325.4	9772.6	5055.4	1374.8	461.9	229.1	221.9	203.7	130.9	105.5
60°	10601.8	10685.5	9718.0	4982.7	1283.9	407.3	200.0	170.9	218.2	116.4	90.9
62.5°	10845.5	10496.3	9463.4	4815.4	1218.4	374.6	178.2	141.8	189.1	101.8	76.4
65°	10376.3	10118.1	8867.0	4277.1	1134.7	378.2	156.4	116.4	120.0	83.7	61.8
67.5°	9688.9	9485.2	7877.7	3691.5	1051.1	371.0	138.2	101.8	90.9	72.7	54.6
70°	8503.3	8063.2	6692.0	2996.9	927.4	345.5	116.4	90.9	76.4	58.2	40.0
72.5°	6186.5	6008.3	4800.8	2316.8	832.9	312.8	109.1	76.4	65.5	43.6	32.7
75°	4164.3	3869.7	3029.6	1520.3	669.2	272.8	90.9	69.1	50.9	32.7	25.5
77.5°	2200.4	2080.4	1716.7	723.8	371.0	127.3	50.9	40.0	29.1	25.5	14.5
80°	952.9	847.4	741.9	294.6	130.9	58.2	32.7	21.8	18.2	14.5	7.3
82.5°	487.4	465.5	385.5	127.3	76.4	43.6	18.2	14.5	10.9	7.3	3.6
85°	240.0	247.3	203.7	40.0	43.6	25.5	3.6	3.6	0.0	0.0	0.0
87.5°	18.2	18.2	14.5	7.3	10.9	3.6	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2
2.5°	4513.5	4564.4	4477.1	4531.7	4506.2	4517.1	4528.0	4498.9	4506.2	4608.1	4611.7
5°	3615.2	3713.4	3677.0	3727.9	3815.2	3771.5	3811.6	3804.3	3811.6	3826.1	3891.6
7.5°	2578.6	2549.5	2618.6	2753.2	2909.6	3004.1	2956.9	2931.4	2916.9	2880.5	2924.1
10°	1945.8	1931.2	1913.1	1953.1	2054.9	2160.4	2218.6	2120.4	2065.8	1996.7	1971.2
12.5°	1614.8	1523.9	1473.0	1411.1	1440.2	1534.8	1538.4	1443.9	1356.6	1320.2	1360.2
15°	1272.9	1211.1	1120.2	1032.9	989.3	1062.0	1000.2	909.2	796.5	782.0	778.3
17.5°	909.2	872.9	807.4	771.0	720.1	701.9	636.5	498.3	418.3	396.4	403.7
20°	618.3	589.2	585.6	552.8	531.0	516.5	411.0	320.1	294.6	298.2	301.9
22.5°	458.3	443.7	425.5	421.9	403.7	385.5	301.9	269.1	251.0	251.0	261.9
25°	374.6	367.3	349.2	341.9	334.6	309.1	254.6	229.1	221.9	214.6	225.5
27.5°	320.1	316.4	305.5	294.6	287.3	261.9	221.9	200.0	192.8	192.8	192.8
30°	287.3	287.3	272.8	251.0	251.0	221.9	189.1	174.6	167.3	167.3	163.7
32.5°	269.1	261.9	243.7	229.1	218.2	189.1	167.3	152.8	141.8	141.8	145.5
35°	218.2	218.2	214.6	203.7	189.1	160.0	141.8	127.3	120.0	116.4	120.0
37.5°	192.8	181.8	167.3	170.9	163.7	138.2	120.0	109.1	98.2	98.2	98.2
40°	174.6	163.7	149.1	138.2	134.6	123.7	105.5	87.3	76.4	72.7	72.7
42.5°	156.4	149.1	127.3	109.1	105.5	105.5	80.0	65.5	54.6	54.6	54.6
45°	145.5	134.6	116.4	94.6	76.4	80.0	65.5	47.3	40.0	36.4	36.4
47.5°	138.2	127.3	101.8	80.0	58.2	58.2	47.3	32.7	25.5	21.8	21.8
50°	127.3	116.4	90.9	65.5	43.6	36.4	29.1	18.2	10.9	7.3	7.3
52.5°	120.0	109.1	80.0	54.6	36.4	25.5	18.2	3.6	0.0	0.0	0.0
55°	109.1	94.6	69.1	43.6	29.1	14.5	3.6	0.0	0.0	0.0	0.0
57.5°	94.6	83.7	54.6	32.7	18.2	3.6	0.0	0.0	0.0	0.0	0.0
60°	80.0	69.1	43.6	25.5	7.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	65.5	58.2	32.7	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	54.6	43.6	25.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	47.3	36.4	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	36.4	25.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	25.5	18.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	18.2	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.6	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°	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2
2.5°	4626.2	4735.3	4837.2	4866.3	4946.3	5168.2	5168.2	5273.6	5462.7	5531.8	5546.4
5°	3902.5	4018.9	4040.7	4266.2	4371.7	4597.1	4746.3	5102.7	5317.3	5451.8	5535.5
7.5°	2967.8	3007.8	3091.4	3302.4	3509.7	3782.5	4066.1	4520.8	4899.0	5051.8	5335.5
10°	2040.3	2160.4	2342.2	2531.3	2855.0	3156.9	3524.2	3953.4	4418.9	4608.1	4851.7
12.5°	1374.8	1542.1	1833.0	2102.2	2400.4	2705.9	3055.1	3629.7	4157.1	4418.9	4662.6
15°	803.8	1007.4	1258.4	1694.8	2091.3	2433.1	2782.3	3364.2	4004.3	4342.6	4640.8
17.5°	407.3	469.2	676.5	1054.7	1578.4	2138.5	2658.6	3400.6	4120.7	4535.3	4782.6
20°	305.5	323.7	381.9	560.1	1080.2	1767.6	2542.3	3455.1	4444.4	4949.9	5084.5
22.5°	265.5	280.0	305.5	363.7	607.4	1353.0	2378.6	3589.7	4884.5	5360.9	5644.6
25°	225.5	240.0	261.9	298.2	389.2	920.2	2178.6	3731.5	5277.3	5877.4	6142.9
27.5°	196.4	207.3	229.1	258.2	316.4	585.6	1833.0	3920.7	5877.4	6502.9	6572.0
30°	167.3	178.2	196.4	229.1	269.1	414.6	1345.7	3946.1	6208.3	6775.7	6968.5
32.5°	145.5	149.1	170.9	200.0	225.5	327.3	945.6	3971.6	6452.0	7128.5	7168.5
35°	120.0	127.3	149.1	167.3	196.4	258.2	716.5	3844.3	6768.4	7492.2	7481.3
37.5°	98.2	109.1	123.7	138.2	160.0	218.2	571.0	3607.9	7164.9	8055.9	7714.0
40°	76.4	87.3	101.8	120.0	134.6	196.4	429.2	3251.5	7579.5	8332.3	7968.6
42.5°	54.6	61.8	76.4	94.6	120.0	163.7	309.1	2829.6	7743.1	8656.0	8274.1
45°	40.0	47.3	58.2	80.0	123.7	130.9	214.6	2444.1	7917.7	8797.9	8205.0
47.5°	21.8	29.1	43.6	69.1	109.1	98.2	152.8	2098.5	8117.7	8925.2	8259.6
50°	7.3	10.9	25.5	72.7	87.3	76.4	120.0	1913.1	8314.1	8950.6	8368.7
52.5°	0.0	0.0	14.5	76.4	65.5	58.2	105.5	1840.3	8263.2	9030.6	8299.6
55°	0.0	0.0	3.6	32.7	36.4	43.6	87.3	1836.7	8623.3	9056.1	8677.8
57.5°	0.0	0.0	0.0	10.9	21.8	36.4	76.4	1720.3	8852.4	9688.9	9187.0
60°	0.0	0.0	0.0	3.6	14.5	25.5	58.2	1618.5	9085.2	9972.6	9732.6
62.5°	0.0	0.0	0.0	0.0	3.6	10.9	40.0	1462.1	8616.0	9950.8	10259.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	25.5	1156.6	7750.4	9430.7	9969.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	14.5	800.1	6786.6	8776.0	9434.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	483.7	5477.3	7695.9	8001.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	207.3	3909.8	6110.1	6564.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.7	2418.6	4466.2	5026.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.7	1567.5	3382.4	3815.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	836.5	2120.4	2465.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	363.7	1287.5	1483.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116.4	782.0	891.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120.0	160.0
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: P599349  
 CATALOG NUMBER: IFLD-S-SA3D-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2	5157.2
2.5°	5553.7	5659.1	5699.1	5637.3	5644.6	5517.3	5499.1	5320.9	5248.2	5262.7
5°	5808.3	5961.0	6044.7	5975.6	5819.2	5575.5	5353.6	5142.7	5011.8	4946.3
7.5°	5750.1	5921.0	6026.5	6091.9	5913.7	5520.9	5182.7	4786.3	4619.0	4622.6
10°	5430.0	5786.4	6001.0	5917.4	5833.7	5440.9	4917.2	4488.0	4338.9	4353.5
12.5°	5171.8	5568.2	5695.5	5761.0	5590.0	5277.3	4924.5	4433.5	4266.2	4164.3
15°	5011.8	5306.4	5313.6	5415.5	5346.4	5346.4	5000.8	4520.8	4375.3	4262.5
17.5°	5011.8	5077.2	5070.0	5106.3	5222.7	5360.9	5193.6	4873.6	4586.2	4568.0
20°	5124.5	4920.8	4873.6	4888.1	4986.3	5397.3	5619.1	5219.1	5037.2	4979.0
22.5°	5386.4	4939.0	4651.7	4600.8	4902.7	5393.6	5891.9	5764.6	5448.2	5400.9
25°	5746.4	4906.3	4593.5	4528.0	4757.2	5524.6	6266.5	6292.0	6004.7	5906.5
27.5°	6088.3	5051.8	4586.2	4571.7	4873.6	5495.5	6524.7	6713.9	6390.2	6310.2
30°	6204.7	5197.2	4720.8	4528.0	4917.2	5601.0	6517.5	7012.1	6801.2	6819.3
32.5°	6342.9	5342.7	4735.3	4659.0	5102.7	5771.9	6724.8	7492.2	7339.4	7124.8
35°	6546.6	5539.1	4873.6	4804.5	5233.6	5924.6	6768.4	7845.0	7819.5	7568.6
37.5°	6721.1	5731.9	5160.9	5171.8	5633.7	6172.0	6961.2	8277.8	8234.1	8063.2
40°	6844.8	6001.0	5608.2	5637.3	5982.8	6448.4	7303.1	8496.0	8819.7	8568.7
42.5°	6863.0	6241.1	6121.0	6353.8	6677.5	6877.5	7441.3	8645.1	9110.6	8947.0
45°	6932.1	6622.9	6957.5	7128.5	7394.0	7255.8	7434.0	8899.7	9132.5	9048.8
47.5°	7201.2	7317.6	7739.5	8259.6	8354.1	7899.5	7608.6	8939.7	9256.1	9245.2
50°	7481.3	8063.2	8656.0	9001.5	9121.5	8343.2	7772.2	8907.0	9419.8	9332.5
52.5°	7794.1	8710.6	9565.3	9990.8	9925.3	8834.2	7957.7	9172.5	9721.7	9692.6
55°	7990.4	9001.5	10150.8	10743.6	10692.7	9383.4	8546.9	9554.4	10118.1	10045.3
57.5°	8510.5	9474.3	10732.7	11009.1	11143.7	10103.5	8957.9	10179.9	10449.0	10529.1
60°	8939.7	9783.5	10885.5	11285.6	11332.8	10532.7	9678.0	10823.7	10870.9	10601.8
62.5°	9568.9	9903.5	10561.8	10921.9	11165.5	10776.4	10325.4	11169.2	10863.7	10845.5
65°	10030.8	9510.7	9958.1	10158.1	10314.5	10405.4	10976.4	11405.6	10729.1	10376.3
67.5°	9772.6	8768.8	8685.1	8696.0	8743.3	9292.5	10758.2	10827.3	9979.9	9688.9
70°	8601.5	7193.9	7081.2	7168.5	6932.1	7594.0	9874.4	9841.7	8805.1	8503.3
72.5°	6957.5	5244.5	5051.8	5171.8	5226.3	5928.3	8306.9	7463.1	6422.9	6186.5
75°	5528.2	3844.3	3244.2	3535.1	3720.6	4317.1	6488.4	5070.0	4484.4	4164.3
77.5°	4342.6	2909.6	2524.1	2407.7	2578.6	3138.7	4720.8	2662.3	2349.5	2200.4
80°	2753.2	2138.5	2320.4	2153.1	2225.8	2240.4	2458.6	1211.1	963.8	952.9
82.5°	1658.5	1462.1	1738.5	956.5	1742.1	1556.6	1022.0	549.2	487.4	487.4
85°	1174.7	905.6	600.1	389.2	774.7	854.7	396.4	283.7	247.3	240.0
87.5°	589.2	280.0	134.6	87.3	98.2	160.0	47.3	21.8	21.8	18.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)