

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: P599609

Luminaire Tested: **IFLD-S-SA3C-830-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: P599609
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3C-830-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (48) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

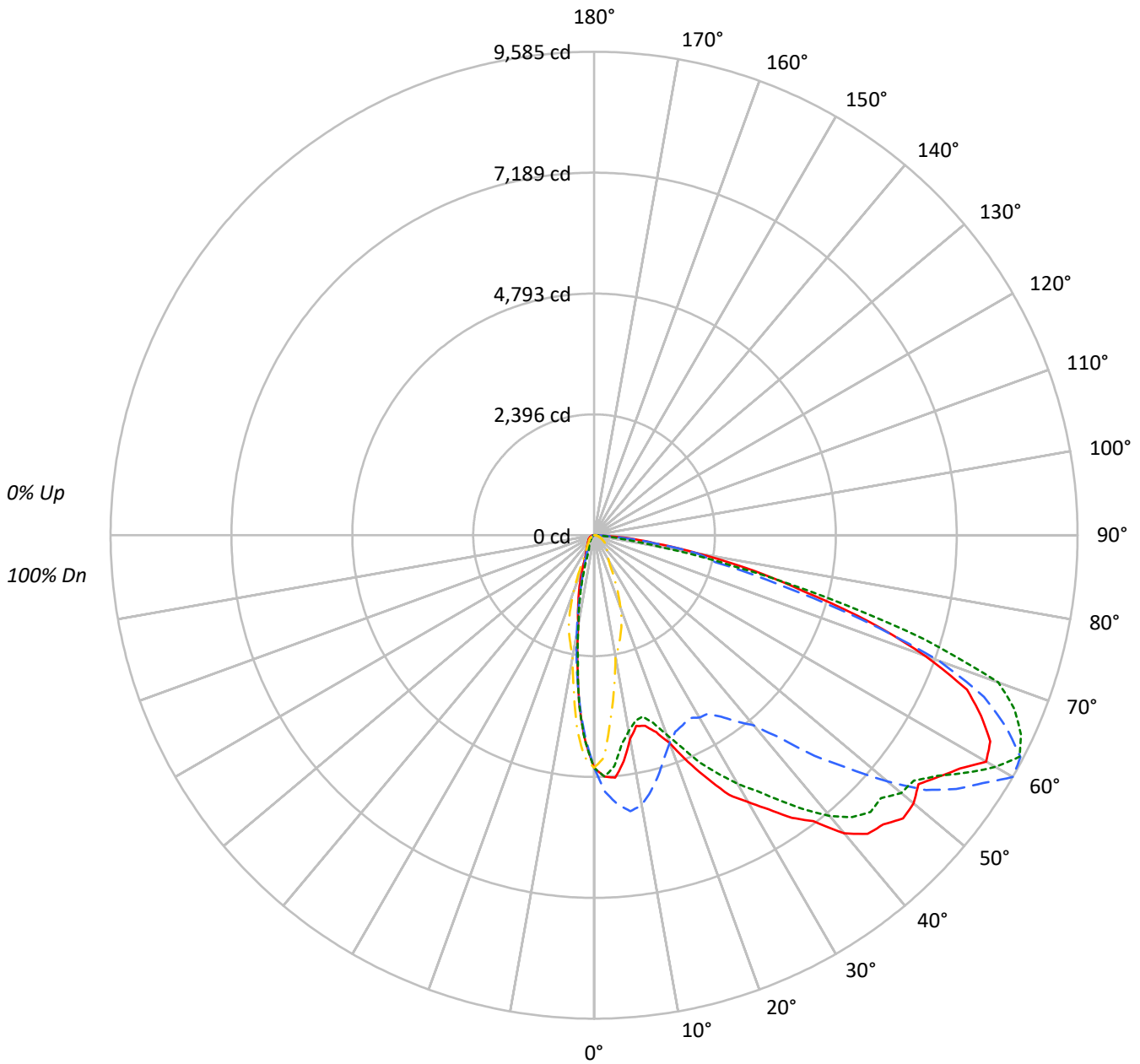
Lumens per Lamp: N/A
 Luminaire Lumens: 12258.8 lumens
 Efficiency: N/A
 Efficacy: 76.2 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 160.8
 Input Voltage (V): 120
 Input Current (A_{in}): 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					
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	50	30	10	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100	100	100	100		
	1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	81	79	79	79	79	79		
	2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	63	61	61	61	61	61		
	3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	50	48	48	48	48	48		
	4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	41	39	39	39	39	39		
	5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	34	32	32	32	32	32		
	6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	29	27	27	27	27	27		
	7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	25	23	23	23	23	23		
	8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	22	20	20	20	20	20		
	9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	20	18	18	18	18	18		
	10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	18	16	16	16	16	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	66151	66151	66151	66151
5°	69517	66169	48340	48624
10°	59777	57487	26430	25809
15°	58125	55255	17170	12938
20°	66996	64197	9199	4600
25°	84239	78796	5962	3577
30°	101178	94287	4829	2930
35°	119815	112416	3958	2351
40°	144558	136093	3496	1778
45°	164579	157404	3256	1195
50°	184629	177466	3215	730
55°	208791	208056	3195	328
60°	257651	263759	2913	95
65°	287484	317056	2669	0
70°	293143	357840	2472	0
75°	238524	263938	2362	0
80°	173431	110386	2438	0
85°	112123	46354	3228	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.2	2.9
10°-20°	686.7	5.6
20°-30°	950.2	7.8
30°-40°	1342.9	11.0
40°-50°	1828.4	14.9
50°-60°	2421.6	19.8
60°-70°	2811.6	22.9
70°-80°	1592.2	13.0
80°-90°	275.1	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°	1987.0	16.2
0°-40°	3329.9	27.2
0°-60°	7579.9	61.8
0°-90°	12258.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12258.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4609	4609	4609	4609	4609	
5°	4825	4593	3355	3375	4825	433
15°	3912	3719	1156	871	3912	1147
25°	5320	4976	376	226	5320	2481
35°	6839	6416	226	134	6839	4311
45°	8109	7755	160	59	8109	6287
55°	8344	8315	128	13	8344	7560
65°	8466	9336	79	0	8466	8252
75°	4302	4760	43	0	4302	4695
85°	681	282	20	0	681	818
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°	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2
2.5°	4789.3	4890.8	4894.0	4939.9	4985.7	4985.7	5093.7	5067.5	4972.6	4956.2	4887.5
5°	4825.3	4861.3	4887.5	5119.9	5316.3	5296.7	5355.6	5316.3	5133.0	4897.3	4736.9
7.5°	4514.3	4553.6	4658.3	5054.4	5319.6	5408.0	5519.3	5273.8	5080.6	4655.1	4347.3
10°	4101.8	4177.1	4370.3	4822.0	5149.4	5430.9	5430.9	5234.5	4861.3	4445.6	4069.1
12.5°	3872.7	4023.3	4128.0	4586.3	5011.9	5205.0	5198.5	5093.7	4851.5	4327.7	3902.1
15°	3912.0	3954.5	4177.1	4533.9	4815.5	4805.6	4923.5	4890.8	4720.5	4432.5	3964.3
17.5°	4092.0	4157.5	4350.6	4533.9	4668.2	4628.9	4625.6	4782.7	4792.6	4609.2	4196.8
20°	4386.6	4579.8	4671.4	4727.1	4563.4	4396.4	4376.8	4596.1	4766.4	4835.1	4475.0
22.5°	4858.0	4985.7	5172.3	4887.5	4461.9	4252.4	4213.1	4455.4	4799.1	5103.5	4835.1
25°	5319.6	5417.8	5597.9	5231.2	4576.5	4222.9	4154.2	4363.7	4923.5	5476.7	5270.5
27.5°	5807.4	5892.5	5912.1	5483.3	4638.7	4164.0	4082.2	4363.7	5028.3	5673.2	5791.0
30°	6105.3	6206.8	6226.4	5705.9	4740.2	4213.1	4173.8	4383.4	5100.3	5840.1	6164.2
32.5°	6439.2	6465.4	6449.0	5745.2	4851.5	4357.2	4193.5	4514.3	5182.1	6039.8	6504.7
35°	6838.6	6884.4	6717.4	5925.2	5100.3	4448.8	4389.9	4674.7	5322.9	6131.5	6917.1
37.5°	7143.0	7287.0	6910.6	5994.0	5149.4	4642.0	4651.8	5008.6	5421.1	6242.8	7372.2
40°	7715.9	7473.6	7237.9	6229.7	5336.0	4969.3	4917.0	5352.3	5751.7	6314.8	7670.1
42.5°	8030.1	7902.5	7365.6	6252.6	5624.1	5421.1	5434.2	5741.9	5925.2	6517.7	7751.9
45°	8108.7	7974.5	7539.1	6269.0	5908.9	5954.7	6180.6	6239.5	6180.6	6652.0	7905.8
47.5°	8308.4	8017.1	7519.5	6488.3	6370.4	6547.2	6835.3	6963.0	6527.6	6602.9	7977.8
50°	8269.1	8102.2	7476.9	6579.9	6933.5	7401.6	7594.8	7542.4	6913.9	6501.4	7899.2
52.5°	8105.4	7925.4	7607.9	6828.7	7460.5	8026.9	8295.3	8164.4	7257.6	6730.5	7846.8
55°	8344.4	8206.9	7778.1	7165.9	7856.6	8576.8	8766.7	8668.5	7679.9	6943.3	8144.7
57.5°	8603.0	8573.6	8239.7	7562.0	8324.8	9143.2	9143.2	9022.1	8046.5	7251.0	8586.7
60°	8976.2	9041.7	8580.1	7823.9	8485.2	9110.4	9585.1	9444.3	8416.4	7791.2	9087.5
62.5°	8855.1	9064.6	9018.8	8387.0	8668.5	9270.8	9529.5	9634.2	8874.7	8449.2	9755.3
65°	8465.5	8688.1	9015.5	8756.9	8531.0	8881.3	9012.2	9329.8	9103.9	9067.9	10030.3
67.5°	8000.7	8242.9	8445.9	9005.7	8252.8	8485.2	8370.6	8472.1	8855.1	9745.5	10187.5
70°	6985.9	7218.3	7539.1	8452.4	7516.2	7306.7	7277.2	7228.1	7823.9	9503.3	9473.8
72.5°	5745.2	5853.2	6383.5	6871.3	5561.9	5522.6	5568.4	5512.7	6203.5	8603.0	8115.3
75°	4301.5	4409.5	4710.7	5277.0	3787.6	3561.7	3823.6	4082.2	4736.9	6678.2	5830.3
77.5°	3234.3	3371.8	3561.7	3948.0	2779.3	2425.7	2461.7	2707.3	3424.2	5349.1	3267.1
80°	2098.4	2082.0	2448.7	2717.1	2091.8	2157.3	2065.6	2245.7	2481.4	2861.1	1669.5
82.5°	1211.2	1227.6	1381.5	1558.2	1456.8	1666.3	1201.4	2006.7	1771.0	1165.4	622.0
85°	680.9	710.4	851.1	1080.3	913.3	612.2	500.9	995.2	1113.0	477.9	301.2
87.5°	68.7	58.9	114.6	409.2	248.8	101.5	150.6	239.0	268.4	180.0	88.4
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°	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2
2.5°	4789.3	4789.3	4707.4	4570.0	4514.3	4416.1	4281.9	4324.4	4278.6	4111.6	4069.1
5°	4592.9	4435.7	4265.5	4056.0	3934.9	3686.1	3607.5	3466.7	3489.7	3348.9	3355.4
7.5°	4183.7	4059.3	3771.2	3496.2	3257.2	3041.2	2736.7	2622.2	2510.9	2455.2	2520.7
10°	3944.7	3712.3	3319.4	2959.3	2641.8	2448.7	2245.7	2088.6	1944.5	1836.5	1813.6
12.5°	3771.2	3565.0	3090.3	2651.6	2402.8	2245.7	2059.1	1843.0	1702.3	1515.7	1460.0
15°	3718.8	3466.7	2965.9	2530.5	2288.2	2029.6	1816.8	1604.1	1420.7	1224.3	1155.6
17.5°	3898.9	3607.5	2962.6	2432.3	2091.8	1813.6	1519.0	1280.0	1093.4	913.3	870.8
20°	4203.3	3758.1	3057.5	2373.4	1905.2	1532.0	1198.1	959.2	749.7	631.8	602.3
22.5°	4550.3	4013.4	3067.4	2216.2	1718.6	1250.5	874.1	631.8	514.0	458.3	441.9
25°	4975.9	4422.6	3185.2	2088.6	1499.3	949.3	622.0	484.5	415.7	383.0	376.5
27.5°	5326.2	4707.4	3312.9	1954.3	1283.3	703.8	487.8	396.1	360.1	327.4	324.1
30°	5689.5	5034.8	3348.9	1872.5	1096.7	579.4	419.0	350.3	311.0	294.6	291.4
32.5°	6007.1	5391.6	3463.5	1738.3	919.9	510.7	379.7	314.3	288.1	261.9	258.6
35°	6416.3	5597.9	3519.1	1666.3	854.4	461.6	347.0	288.1	248.8	232.4	225.9
37.5°	6854.9	5797.6	3555.1	1610.6	798.8	432.1	327.4	271.7	235.7	212.8	206.2
40°	7264.1	6079.1	3502.8	1541.9	756.2	396.1	314.3	252.1	219.3	196.4	186.6
42.5°	7578.4	6354.1	3486.4	1476.4	710.4	383.0	297.9	242.2	206.2	180.0	176.8
45°	7755.2	6540.7	3371.8	1424.0	674.4	389.6	291.4	229.2	196.4	173.5	160.4
47.5°	7712.6	6684.7	3401.3	1407.6	625.3	363.4	288.1	219.3	180.0	160.4	150.6
50°	7948.3	6976.0	3352.2	1355.3	589.2	327.4	314.3	219.3	176.8	153.9	144.0
52.5°	7987.6	7241.2	3456.9	1260.3	533.6	301.2	311.0	216.1	170.2	147.3	134.2
55°	8315.0	7548.9	3659.9	1208.0	487.8	261.9	284.8	209.5	153.9	134.2	127.7
57.5°	8760.2	8187.3	3790.8	1158.9	425.6	229.2	239.0	206.2	140.8	124.4	114.6
60°	9189.0	8442.6	3800.7	1070.5	366.6	206.2	186.6	206.2	130.9	111.3	101.5
62.5°	9509.8	8442.6	3735.2	995.2	320.8	183.3	163.7	196.4	117.8	98.2	91.7
65°	9336.3	8216.7	3565.0	933.0	291.4	160.4	140.8	150.6	104.8	85.1	78.6
67.5°	9025.3	7512.9	3188.5	857.7	288.1	140.8	121.1	111.3	91.7	75.3	68.7
70°	8527.7	6563.6	2654.9	772.6	281.5	127.7	108.0	94.9	81.8	65.5	58.9
72.5°	6871.3	5421.1	2180.2	723.5	275.0	111.3	91.7	81.8	68.7	55.7	49.1
75°	4759.8	3463.5	1679.4	618.7	268.4	101.5	85.1	72.0	58.9	45.8	42.6
77.5°	2854.6	2314.4	1083.6	464.9	176.8	81.8	72.0	55.7	49.1	39.3	36.0
80°	1335.6	1093.4	438.7	180.0	85.1	58.9	49.1	42.6	39.3	32.7	29.5
82.5°	523.8	461.6	212.8	104.8	68.7	45.8	39.3	36.0	32.7	26.2	22.9
85°	281.5	248.8	101.5	72.0	49.1	32.7	32.7	29.5	26.2	22.9	19.6
87.5°	62.2	45.8	42.6	42.6	36.0	26.2	26.2	22.9	19.6	16.4	13.1
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°	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2
2.5°	4046.2	4095.3	4016.7	4065.8	3997.1	4049.4	4056.0	4006.9	4020.0	4085.5	4114.9
5°	3447.1	3414.4	3342.3	3319.4	3322.7	3280.2	3296.5	3319.4	3355.4	3375.1	3434.0
7.5°	2484.7	2560.0	2556.7	2612.3	2615.6	2609.1	2563.2	2465.0	2497.8	2471.6	2504.3
10°	1777.6	1810.3	1872.5	1908.5	1974.0	1938.0	1833.2	1793.9	1774.3	1771.0	1803.8
12.5°	1420.7	1342.2	1335.6	1348.7	1381.5	1338.9	1286.5	1240.7	1263.6	1309.4	1345.5
15°	1099.9	1034.5	949.3	936.3	942.8	923.2	867.5	808.6	824.9	870.8	897.0
17.5°	844.6	769.3	710.4	671.1	658.0	589.2	507.4	458.3	445.2	441.9	464.9
20°	569.6	556.5	546.7	497.6	497.6	399.4	330.6	294.6	294.6	301.2	304.4
22.5°	425.6	409.2	412.5	402.7	376.5	297.9	261.9	252.1	252.1	258.6	258.6
25°	369.9	347.0	340.5	337.2	311.0	255.3	229.2	219.3	219.3	225.9	225.9
27.5°	314.3	307.7	297.9	284.8	261.9	219.3	203.0	193.1	196.4	199.7	196.4
30°	288.1	271.7	258.6	258.6	232.4	196.4	183.3	176.8	170.2	176.8	180.0
32.5°	255.3	245.5	239.0	229.2	199.7	173.5	160.4	153.9	150.6	150.6	153.9
35°	219.3	219.3	212.8	199.7	173.5	157.1	140.8	134.2	130.9	134.2	134.2
37.5°	196.4	186.6	189.9	176.8	153.9	137.5	121.1	114.6	114.6	111.3	114.6
40°	183.3	167.0	157.1	150.6	137.5	117.8	104.8	98.2	94.9	94.9	94.9
42.5°	163.7	150.6	130.9	127.7	124.4	101.5	85.1	81.8	78.6	75.3	75.3
45°	153.9	134.2	117.8	101.5	101.5	85.1	72.0	65.5	62.2	58.9	62.2
47.5°	140.8	121.1	101.5	85.1	81.8	68.7	55.7	49.1	45.8	45.8	45.8
50°	134.2	108.0	88.4	72.0	62.2	55.7	42.6	36.0	32.7	32.7	32.7
52.5°	124.4	101.5	78.6	62.2	49.1	42.6	32.7	26.2	22.9	22.9	22.9
55°	111.3	91.7	68.7	52.4	42.6	32.7	22.9	16.4	13.1	13.1	13.1
57.5°	104.8	81.8	58.9	45.8	32.7	22.9	13.1	9.8	9.8	6.5	9.8
60°	94.9	72.0	49.1	36.0	26.2	16.4	9.8	3.3	3.3	3.3	3.3
62.5°	81.8	62.2	42.6	29.5	19.6	9.8	3.3	0.0	0.0	0.0	0.0
65°	68.7	49.1	32.7	22.9	13.1	3.3	0.0	0.0	0.0	0.0	0.0
67.5°	58.9	42.6	26.2	16.4	9.8	0.0	0.0	0.0	0.0	0.0	0.0
70°	52.4	36.0	19.6	13.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	42.6	29.5	16.4	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	36.0	22.9	9.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	29.5	16.4	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	22.9	13.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.6	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.8	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: P599609
 CATALOG NUMBER: IFLD-S-SA3C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2	4609.2
2.5°	4157.5	4137.8	4236.0	4396.4	4478.3	4638.7	4678.0	4779.5	4753.3	4789.3
5°	3440.6	3479.8	3623.9	3859.6	3944.7	4177.1	4396.4	4615.8	4756.5	4825.3
7.5°	2553.4	2684.4	2861.1	3077.2	3296.5	3601.0	3974.2	4229.5	4367.0	4514.3
10°	1902.0	2042.7	2245.7	2458.5	2815.3	3155.8	3528.9	3846.5	3964.3	4101.8
12.5°	1496.0	1715.4	1951.1	2180.2	2393.0	2717.1	3178.7	3640.2	3767.9	3872.7
15°	1041.0	1309.4	1646.6	1944.5	2242.4	2523.9	3001.9	3561.7	3735.2	3912.0
17.5°	576.2	788.9	1175.2	1594.2	2032.9	2465.0	3060.8	3705.7	3967.6	4092.0
20°	333.9	419.0	694.0	1191.6	1771.0	2337.4	3090.3	3977.4	4324.4	4386.6
22.5°	275.0	304.4	392.8	746.4	1450.2	2255.5	3240.9	4357.2	4710.7	4858.0
25°	235.7	258.6	304.4	448.5	1096.7	2082.0	3335.8	4831.8	5159.2	5319.6
27.5°	209.5	232.4	268.4	330.6	746.4	1843.0	3492.9	5260.7	5588.0	5807.4
30°	183.3	203.0	239.0	281.5	517.2	1574.6	3627.2	5574.9	6036.5	6105.3
32.5°	163.7	180.0	206.2	242.2	383.0	1194.9	3735.2	5899.0	6288.6	6439.2
35°	140.8	160.4	176.8	206.2	291.4	900.2	3669.7	6151.1	6658.5	6838.6
37.5°	124.4	137.5	153.9	173.5	245.5	703.8	3535.5	6452.3	6976.0	7143.0
40°	104.8	114.6	134.2	153.9	222.6	543.4	3381.6	6815.6	7421.3	7715.9
42.5°	88.4	98.2	111.3	144.0	183.3	402.7	3070.6	7097.2	7781.4	8030.1
45°	68.7	81.8	101.5	144.0	147.3	297.9	2749.8	7306.7	7984.3	8108.7
47.5°	52.4	65.5	98.2	124.4	117.8	206.2	2370.1	7545.7	8193.8	8308.4
50°	39.3	52.4	111.3	108.0	98.2	157.1	2131.1	7712.6	8206.9	8269.1
52.5°	26.2	39.3	91.7	81.8	81.8	137.5	2065.6	7706.1	8239.7	8105.4
55°	19.6	29.5	52.4	58.9	72.0	121.1	2006.7	7951.6	8249.5	8344.4
57.5°	13.1	22.9	36.0	45.8	62.2	104.8	1885.6	8246.2	8553.9	8603.0
60°	6.5	16.4	26.2	36.0	52.4	91.7	1715.4	8462.3	8923.8	8976.2
62.5°	3.3	9.8	19.6	29.5	42.6	72.0	1538.6	8118.5	8763.4	8855.1
65°	0.0	6.5	13.1	19.6	26.2	52.4	1250.5	7329.6	8128.4	8465.5
67.5°	0.0	0.0	6.5	13.1	16.4	39.3	942.8	6668.3	7542.4	8000.7
70°	0.0	0.0	3.3	3.3	9.8	29.5	602.3	5522.6	6733.8	6985.9
72.5°	0.0	0.0	0.0	0.0	3.3	19.6	350.3	4101.8	5277.0	5745.2
75°	0.0	0.0	0.0	0.0	0.0	16.4	176.8	2638.5	3673.0	4301.5
77.5°	0.0	0.0	0.0	0.0	0.0	13.1	94.9	1702.3	2707.3	3234.3
80°	0.0	0.0	0.0	0.0	0.0	3.3	55.7	988.6	1731.7	2098.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	22.9	484.5	1034.5	1211.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.5	258.6	517.2	680.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	36.0	68.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)