

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: P599377

Luminaire Tested: **IFLD-S-SA3C-722-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: P599377
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3C-722-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (48) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

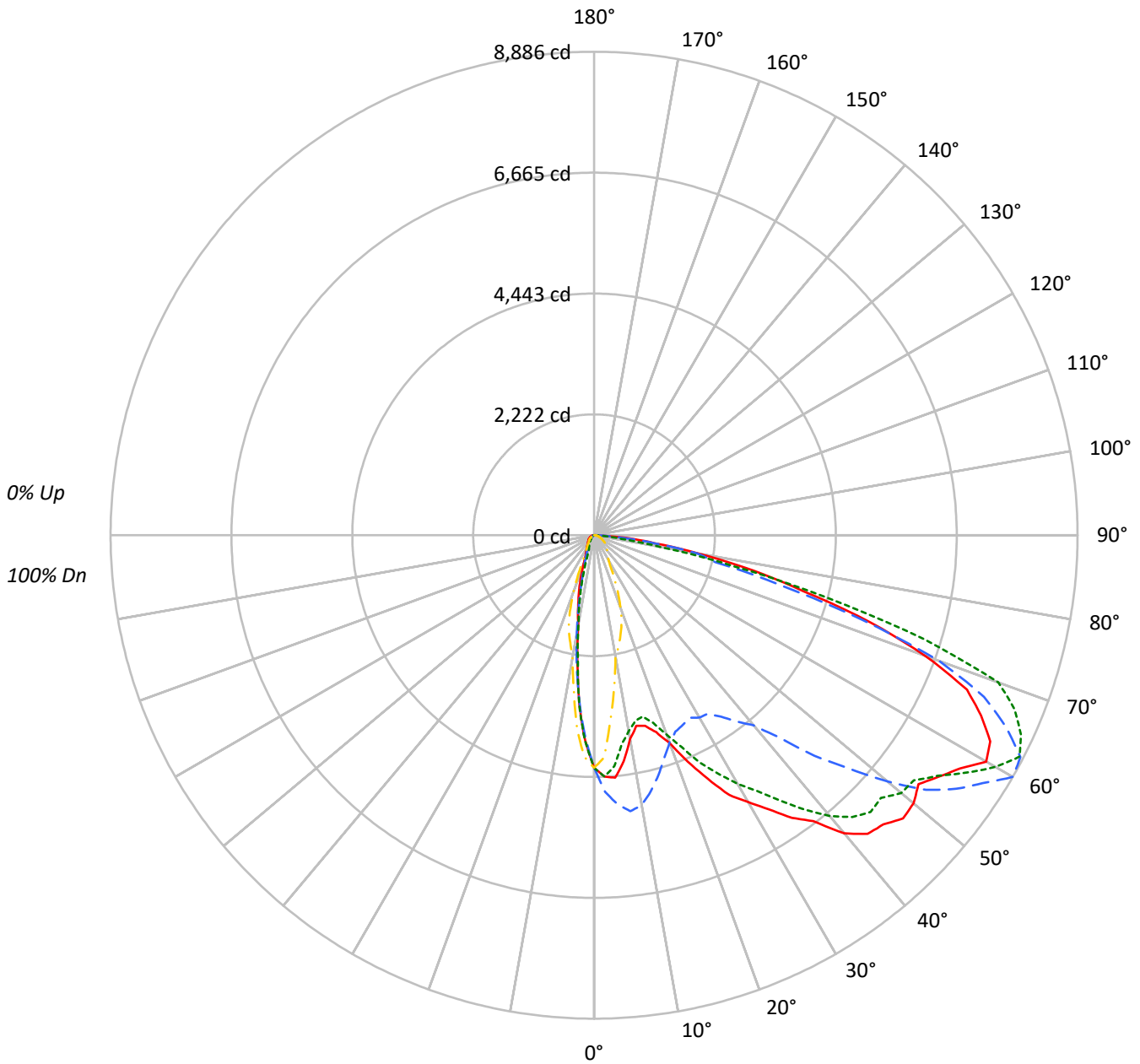
Lumens per Lamp: N/A
 Luminaire Lumens: 11364.0 lumens
 Efficiency: N/A
 Efficacy: 70.7 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	61323	61323	61323	61323
5°	64443	61338	44812	45074
10°	55413	53292	24501	23925
15°	53882	51222	15916	11994
20°	62106	59511	8528	4264
25°	78090	73045	5527	3316
30°	93792	87405	4476	2716
35°	111069	104210	3669	2180
40°	134006	126160	3241	1649
45°	152566	145915	3018	1108
50°	171152	164512	2981	677
55°	193551	192868	2963	303
60°	238844	244507	2701	86
65°	266500	293912	2472	0
70°	271747	331723	2291	0
75°	221113	244674	2190	0
80°	160769	102328	2256	0
85°	103939	42979	2997	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.6	2.9
10°-20°	636.5	5.6
20°-30°	880.9	7.8
30°-40°	1244.9	11.0
40°-50°	1694.9	14.9
50°-60°	2244.8	19.8
60°-70°	2606.4	22.9
70°-80°	1476.0	13.0
80°-90°	255.0	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°	1842.0	16.2
0°-40°	3086.9	27.2
0°-60°	7026.6	61.8
0°-90°	11364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11364.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4273	4273	4273	4273	4273	
5°	4473	4258	3110	3129	4473	402
15°	3626	3447	1071	807	3626	1064
25°	4931	4613	349	209	4931	2300
35°	6339	5948	209	124	6339	3996
45°	7517	7189	149	55	7517	5828
55°	7735	7708	118	12	7735	7008
65°	7848	8655	73	0	7848	7650
75°	3988	4412	40	0	3988	4352
85°	631	261	18	0	631	758
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°	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8
2.5°	4439.7	4533.8	4536.8	4579.3	4621.8	4621.8	4721.9	4697.6	4609.6	4594.5	4530.7
5°	4473.1	4506.5	4530.7	4746.2	4928.3	4910.1	4964.7	4928.3	4758.3	4539.8	4391.1
7.5°	4184.8	4221.2	4318.3	4685.5	4931.3	5013.2	5116.4	4888.8	4709.8	4315.3	4030.0
10°	3802.4	3872.2	4051.3	4470.0	4773.5	5034.5	5034.5	4852.4	4506.5	4121.1	3772.1
12.5°	3590.0	3729.6	3826.7	4251.6	4646.1	4825.1	4819.0	4721.9	4497.4	4011.8	3617.3
15°	3626.4	3665.9	3872.2	4203.0	4464.0	4454.9	4564.1	4533.8	4376.0	4108.9	3675.0
17.5°	3793.3	3854.0	4033.1	4203.0	4327.4	4291.0	4288.0	4433.6	4442.7	4272.8	3890.4
20°	4066.4	4245.5	4330.5	4382.0	4230.3	4075.5	4057.3	4260.7	4418.5	4482.2	4148.4
22.5°	4503.4	4621.8	4794.8	4530.7	4136.2	3942.0	3905.6	4130.2	4448.8	4731.0	4482.2
25°	4931.3	5022.4	5189.3	4849.4	4242.4	3914.7	3851.0	4045.2	4564.1	5077.0	4885.8
27.5°	5383.5	5462.4	5480.6	5083.0	4300.1	3860.1	3784.2	4045.2	4661.2	5259.1	5368.3
30°	5659.6	5753.7	5771.9	5289.4	4394.2	3905.6	3869.2	4063.4	4728.0	5413.8	5714.3
32.5°	5969.2	5993.4	5978.3	5325.8	4497.4	4039.1	3887.4	4184.8	4803.9	5598.9	6029.9
35°	6339.4	6381.9	6227.1	5492.7	4728.0	4124.1	4069.5	4333.5	4934.3	5683.9	6412.2
37.5°	6621.6	6755.1	6406.2	5556.5	4773.5	4303.1	4312.2	4643.0	5025.4	5787.1	6834.0
40°	7152.7	6928.1	6709.6	5774.9	4946.5	4606.6	4558.1	4961.7	5331.9	5853.8	7110.2
42.5°	7444.0	7325.7	6828.0	5796.2	5213.5	5025.4	5037.5	5322.8	5492.7	6042.0	7186.1
45°	7516.8	7392.4	6988.8	5811.4	5477.6	5520.0	5729.4	5784.1	5729.4	6166.4	7328.7
47.5°	7702.0	7431.9	6970.6	6014.7	5905.4	6069.3	6336.4	6454.7	6051.1	6120.9	7395.5
50°	7665.5	7510.8	6931.2	6099.7	6427.4	6861.4	7040.4	6991.8	6409.2	6026.8	7322.6
52.5°	7513.8	7346.9	7052.5	6330.3	6916.0	7441.0	7689.8	7568.4	6727.8	6239.2	7274.1
55°	7735.3	7607.9	7210.3	6642.9	7283.2	7950.8	8126.8	8035.8	7119.3	6436.5	7550.2
57.5°	7975.1	7947.8	7638.2	7010.1	7717.1	8475.8	8475.8	8363.5	7459.2	6721.8	7959.9
60°	8321.0	8381.7	7953.8	7252.8	7865.8	8445.4	8885.5	8755.0	7802.1	7222.5	8424.2
62.5°	8208.7	8403.0	8360.5	7774.8	8035.8	8594.1	8833.9	8931.0	8226.9	7832.4	9043.3
65°	7847.6	8054.0	8357.4	8117.7	7908.3	8233.0	8354.4	8648.8	8439.4	8406.0	9298.2
67.5°	7416.7	7641.3	7829.4	8348.3	7650.4	7865.8	7759.6	7853.7	8208.7	9034.2	9443.8
70°	6476.0	6691.4	6988.8	7835.5	6967.6	6773.3	6746.0	6700.5	7252.8	8809.6	8782.3
72.5°	5325.8	5426.0	5917.6	6369.7	5155.9	5119.5	5161.9	5110.4	5750.7	7975.1	7522.9
75°	3987.5	4087.7	4366.9	4891.9	3511.1	3301.7	3544.5	3784.2	4391.1	6190.7	5404.7
77.5°	2998.2	3125.7	3301.7	3659.8	2576.4	2248.7	2282.1	2509.7	3174.2	4958.6	3028.6
80°	1945.2	1930.0	2269.9	2518.8	1939.1	1999.8	1914.9	2081.8	2300.3	2652.3	1547.7
82.5°	1122.8	1138.0	1280.6	1444.5	1350.4	1544.6	1113.7	1860.2	1641.7	1080.3	576.6
85°	631.2	658.5	789.0	1001.4	846.7	567.5	464.3	922.5	1031.8	443.1	279.2
87.5°	63.7	54.6	106.2	379.3	230.6	94.1	139.6	221.5	248.8	166.9	81.9
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°	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8
2.5°	4439.7	4439.7	4363.8	4236.4	4184.8	4093.7	3969.3	4008.8	3966.3	3811.5	3772.1
5°	4257.6	4112.0	3954.2	3759.9	3647.7	3417.0	3344.2	3213.7	3234.9	3104.5	3110.5
7.5°	3878.3	3763.0	3495.9	3241.0	3019.5	2819.2	2537.0	2430.8	2327.6	2276.0	2336.7
10°	3656.8	3441.3	3077.1	2743.3	2449.0	2269.9	2081.8	1936.1	1802.6	1702.4	1681.2
12.5°	3495.9	3304.7	2864.7	2458.1	2227.4	2081.8	1908.8	1708.5	1578.0	1405.0	1353.5
15°	3447.4	3213.7	2749.4	2345.8	2121.2	1881.5	1684.2	1487.0	1317.0	1135.0	1071.2
17.5°	3614.3	3344.2	2746.4	2254.7	1939.1	1681.2	1408.1	1186.5	1013.6	846.7	807.2
20°	3896.5	3483.8	2834.4	2200.1	1766.2	1420.2	1110.7	889.2	694.9	585.7	558.4
22.5°	4218.2	3720.5	2843.5	2054.5	1593.2	1159.2	810.3	585.7	476.4	424.9	409.7
25°	4612.7	4099.8	2952.7	1936.1	1389.9	880.0	576.6	449.1	385.4	355.1	349.0
27.5°	4937.4	4363.8	3071.1	1811.7	1189.6	652.5	452.2	367.2	333.8	303.5	300.4
30°	5274.2	4667.3	3104.5	1735.8	1016.6	537.1	388.4	324.7	288.3	273.1	270.1
32.5°	5568.6	4998.1	3210.7	1611.4	852.7	473.4	352.0	291.3	267.0	242.8	239.7
35°	5947.9	5189.3	3262.3	1544.6	792.0	427.9	321.7	267.0	230.6	215.5	209.4
37.5°	6354.6	5374.4	3295.6	1493.0	740.5	400.6	303.5	251.9	218.5	197.3	191.2
40°	6733.9	5635.4	3247.1	1429.3	701.0	367.2	291.3	233.7	203.3	182.1	173.0
42.5°	7025.2	5890.3	3231.9	1368.6	658.5	355.1	276.2	224.6	191.2	166.9	163.9
45°	7189.1	6063.2	3125.7	1320.1	625.1	361.1	270.1	212.4	182.1	160.8	148.7
47.5°	7149.6	6196.8	3153.0	1304.9	579.6	336.8	267.0	203.3	166.9	148.7	139.6
50°	7368.1	6466.8	3107.5	1256.3	546.2	303.5	291.3	203.3	163.9	142.6	133.5
52.5°	7404.6	6712.7	3204.6	1168.3	494.6	279.2	288.3	200.3	157.8	136.6	124.4
55°	7708.0	6997.9	3392.7	1119.8	452.2	242.8	264.0	194.2	142.6	124.4	118.4
57.5°	8120.7	7589.7	3514.1	1074.3	394.5	212.4	221.5	191.2	130.5	115.3	106.2
60°	8518.3	7826.4	3523.2	992.3	339.9	191.2	173.0	191.2	121.4	103.2	94.1
62.5°	8815.7	7826.4	3462.5	922.5	297.4	169.9	151.7	182.1	109.2	91.0	85.0
65°	8654.8	7617.0	3304.7	864.9	270.1	148.7	130.5	139.6	97.1	78.9	72.8
67.5°	8366.5	6964.5	2955.8	795.1	267.0	130.5	112.3	103.2	85.0	69.8	63.7
70°	7905.3	6084.5	2461.1	716.2	261.0	118.4	100.1	88.0	75.9	60.7	54.6
72.5°	6369.7	5025.4	2021.1	670.7	254.9	103.2	85.0	75.9	63.7	51.6	45.5
75°	4412.4	3210.7	1556.8	573.5	248.8	94.1	78.9	66.8	54.6	42.5	39.5
77.5°	2646.2	2145.5	1004.5	430.9	163.9	75.9	66.8	51.6	45.5	36.4	33.4
80°	1238.1	1013.6	406.6	166.9	78.9	54.6	45.5	39.5	36.4	30.3	27.3
82.5°	485.5	427.9	197.3	97.1	63.7	42.5	36.4	33.4	30.3	24.3	21.2
85°	261.0	230.6	94.1	66.8	45.5	30.3	30.3	27.3	24.3	21.2	18.2
87.5°	57.7	42.5	39.5	39.5	33.4	24.3	24.3	21.2	18.2	15.2	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8
2.5°	3750.8	3796.4	3723.5	3769.0	3705.3	3753.9	3759.9	3714.4	3726.6	3787.2	3814.6
5°	3195.5	3165.1	3098.4	3077.1	3080.2	3040.7	3055.9	3077.1	3110.5	3128.7	3183.4
7.5°	2303.3	2373.1	2370.1	2421.7	2424.7	2418.6	2376.1	2285.1	2315.4	2291.2	2321.5
10°	1647.8	1678.2	1735.8	1769.2	1829.9	1796.5	1699.4	1663.0	1644.8	1641.7	1672.1
12.5°	1317.0	1244.2	1238.1	1250.3	1280.6	1241.2	1192.6	1150.1	1171.4	1213.9	1247.2
15°	1019.6	959.0	880.0	867.9	874.0	855.8	804.2	749.6	764.7	807.2	831.5
17.5°	782.9	713.1	658.5	622.1	610.0	546.2	470.4	424.9	412.7	409.7	430.9
20°	528.0	515.9	506.8	461.3	461.3	370.2	306.5	273.1	273.1	279.2	282.2
22.5°	394.5	379.3	382.4	373.3	349.0	276.2	242.8	233.7	233.7	239.7	239.7
25°	342.9	321.7	315.6	312.6	288.3	236.7	212.4	203.3	203.3	209.4	209.4
27.5°	291.3	285.3	276.2	264.0	242.8	203.3	188.1	179.0	182.1	185.1	182.1
30°	267.0	251.9	239.7	239.7	215.5	182.1	169.9	163.9	157.8	163.9	166.9
32.5°	236.7	227.6	221.5	212.4	185.1	160.8	148.7	142.6	139.6	139.6	142.6
35°	203.3	203.3	197.3	185.1	160.8	145.7	130.5	124.4	121.4	124.4	124.4
37.5°	182.1	173.0	176.0	163.9	142.6	127.5	112.3	106.2	106.2	103.2	106.2
40°	169.9	154.8	145.7	139.6	127.5	109.2	97.1	91.0	88.0	88.0	88.0
42.5°	151.7	139.6	121.4	118.4	115.3	94.1	78.9	75.9	72.8	69.8	69.8
45°	142.6	124.4	109.2	94.1	94.1	78.9	66.8	60.7	57.7	54.6	57.7
47.5°	130.5	112.3	94.1	78.9	75.9	63.7	51.6	45.5	42.5	42.5	42.5
50°	124.4	100.1	81.9	66.8	57.7	51.6	39.5	33.4	30.3	30.3	30.3
52.5°	115.3	94.1	72.8	57.7	45.5	39.5	30.3	24.3	21.2	21.2	21.2
55°	103.2	85.0	63.7	48.6	39.5	30.3	21.2	15.2	12.1	12.1	12.1
57.5°	97.1	75.9	54.6	42.5	30.3	21.2	12.1	9.1	9.1	6.1	9.1
60°	88.0	66.8	45.5	33.4	24.3	15.2	9.1	3.0	3.0	3.0	3.0
62.5°	75.9	57.7	39.5	27.3	18.2	9.1	3.0	0.0	0.0	0.0	0.0
65°	63.7	45.5	30.3	21.2	12.1	3.0	0.0	0.0	0.0	0.0	0.0
67.5°	54.6	39.5	24.3	15.2	9.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	48.6	33.4	18.2	12.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	39.5	27.3	15.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	33.4	21.2	9.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	27.3	15.2	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: P599377
 CATALOG NUMBER: IFLD-S-SA3C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8	4272.8
2.5°	3854.0	3835.8	3926.8	4075.5	4151.4	4300.1	4336.5	4430.6	4406.3	4439.7
5°	3189.4	3225.8	3359.4	3577.9	3656.8	3872.2	4075.5	4278.9	4409.4	4473.1
7.5°	2367.0	2488.4	2652.3	2852.6	3055.9	3338.1	3684.1	3920.8	4048.2	4184.8
10°	1763.1	1893.6	2081.8	2279.0	2609.8	2925.4	3271.4	3565.7	3675.0	3802.4
12.5°	1386.8	1590.2	1808.7	2021.1	2218.3	2518.8	2946.6	3374.5	3492.9	3590.0
15°	965.0	1213.9	1526.4	1802.6	2078.7	2339.7	2782.8	3301.7	3462.5	3626.4
17.5°	534.1	731.4	1089.4	1477.9	1884.5	2285.1	2837.4	3435.2	3678.0	3793.3
20°	309.5	388.4	643.3	1104.6	1641.7	2166.7	2864.7	3687.1	4008.8	4066.4
22.5°	254.9	282.2	364.2	691.9	1344.4	2090.9	3004.3	4039.1	4366.9	4503.4
25°	218.5	239.7	282.2	415.7	1016.6	1930.0	3092.3	4479.1	4782.6	4931.3
27.5°	194.2	215.5	248.8	306.5	691.9	1708.5	3238.0	4876.7	5180.2	5383.5
30°	169.9	188.1	221.5	261.0	479.5	1459.7	3362.4	5168.0	5595.9	5659.6
32.5°	151.7	166.9	191.2	224.6	355.1	1107.6	3462.5	5468.4	5829.6	5969.2
35°	130.5	148.7	163.9	191.2	270.1	834.5	3401.8	5702.1	6172.5	6339.4
37.5°	115.3	127.5	142.6	160.8	227.6	652.5	3277.4	5981.3	6466.8	6621.6
40°	97.1	106.2	124.4	142.6	206.4	503.8	3134.8	6318.2	6879.6	7152.7
42.5°	81.9	91.0	103.2	133.5	169.9	373.3	2846.5	6579.1	7213.4	7444.0
45°	63.7	75.9	94.1	133.5	136.6	276.2	2549.1	6773.3	7401.5	7516.8
47.5°	48.6	60.7	91.0	115.3	109.2	191.2	2197.1	6994.9	7595.7	7702.0
50°	36.4	48.6	103.2	100.1	91.0	145.7	1975.6	7149.6	7607.9	7665.5
52.5°	24.3	36.4	85.0	75.9	75.9	127.5	1914.9	7143.6	7638.2	7513.8
55°	18.2	27.3	48.6	54.6	66.8	112.3	1860.2	7371.2	7647.3	7735.3
57.5°	12.1	21.2	33.4	42.5	57.7	97.1	1748.0	7644.3	7929.6	7975.1
60°	6.1	15.2	24.3	33.4	48.6	85.0	1590.2	7844.6	8272.5	8321.0
62.5°	3.0	9.1	18.2	27.3	39.5	66.8	1426.3	7525.9	8123.8	8208.7
65°	0.0	6.1	12.1	18.2	24.3	48.6	1159.2	6794.6	7535.0	7847.6
67.5°	0.0	0.0	6.1	12.1	15.2	36.4	874.0	6181.6	6991.8	7416.7
70°	0.0	0.0	3.0	3.0	9.1	27.3	558.4	5119.5	6242.3	6476.0
72.5°	0.0	0.0	0.0	0.0	3.0	18.2	324.7	3802.4	4891.9	5325.8
75°	0.0	0.0	0.0	0.0	0.0	15.2	163.9	2445.9	3404.9	3987.5
77.5°	0.0	0.0	0.0	0.0	0.0	12.1	88.0	1578.0	2509.7	2998.2
80°	0.0	0.0	0.0	0.0	0.0	3.0	51.6	916.5	1605.3	1945.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	21.2	449.1	959.0	1122.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.1	239.7	479.5	631.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	33.4	63.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)