

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: P599397

Luminaire Tested: **IFLD-L-SA8C-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: P599397
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8C-722-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (128) 2200K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

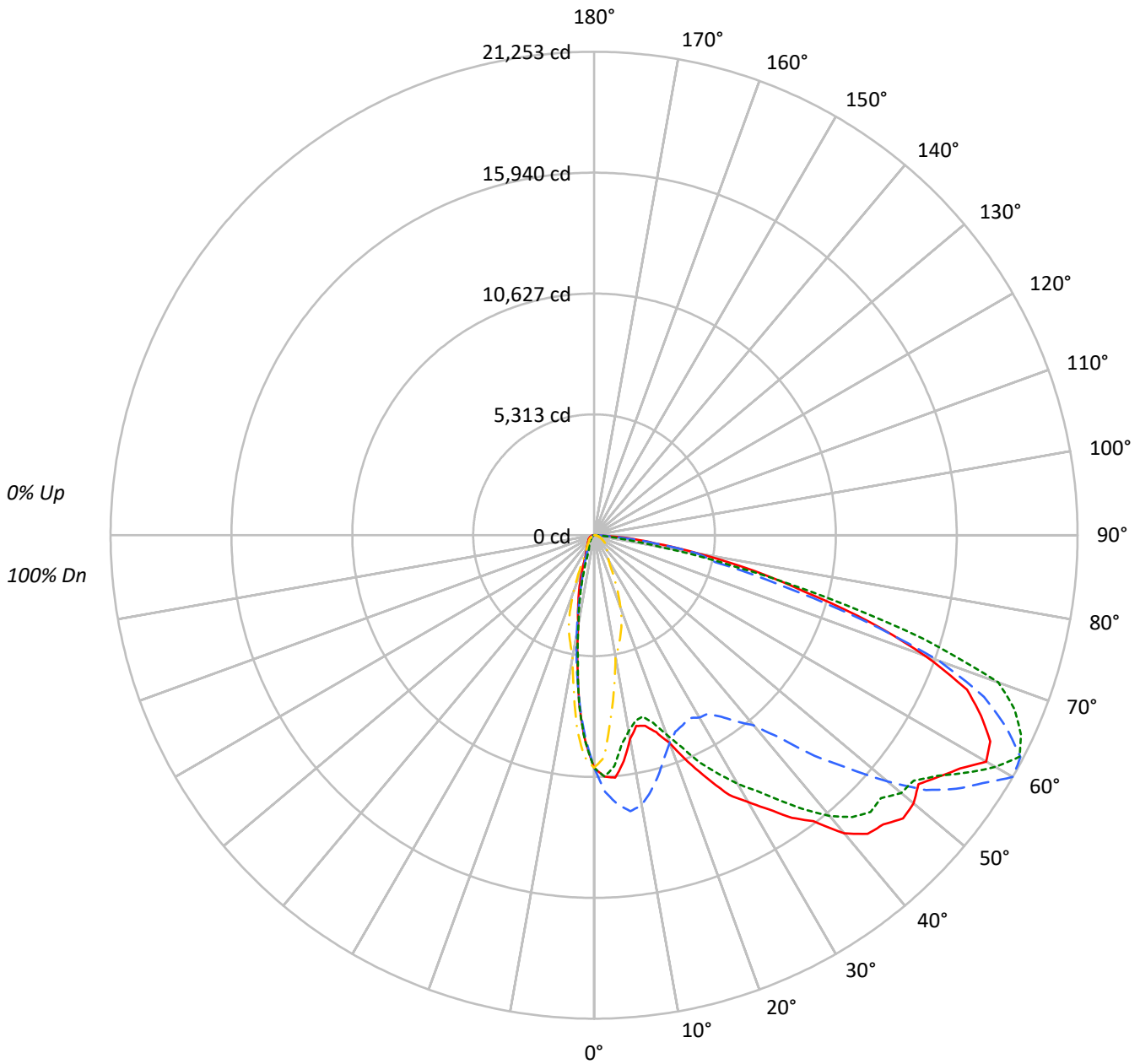
Lumens per Lamp: N/A
 Luminaire Lumens: 27181.0 lumens
 Efficiency: N/A
 Efficacy: 64.7 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 420.3
 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°	55003	55003	55003	55003
5°	57801	55017	40194	40429
10°	49703	47799	21976	21460
15°	48329	45943	14276	10757
20°	55706	53378	7649	3825
25°	70042	65516	4957	2974
30°	84126	78397	4015	2436
35°	99622	93470	3290	1955
40°	120195	113158	2907	1479
45°	136843	130877	2707	995
50°	153514	147558	2674	608
55°	173604	172992	2656	272
60°	214230	219308	2422	79
65°	239036	263623	2218	0
70°	243740	297535	2057	0
75°	198328	219457	1963	0
80°	144200	91784	2024	0
85°	93232	38545	2692	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.4	2.9
10°-20°	1522.5	5.6
20°-30°	2106.9	7.8
30°-40°	2977.5	11.0
40°-50°	4054.0	14.9
50°-60°	5369.2	19.8
60°-70°	6234.1	22.9
70°-80°	3530.4	13.0
80°-90°	610.0	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°	4405.7	16.2
0°-40°	7383.3	27.2
0°-60°	16806.5	61.8
0°-90°	27181.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27181.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10220	10220	10220	10220	10220	
5°	10699	10184	7440	7483	10699	961
15°	8674	8246	2562	1931	8674	2544
25°	11795	11033	835	501	11795	5501
35°	15163	14226	501	298	15163	9559
45°	17979	17195	356	131	17979	13939
55°	18502	18436	283	29	18502	16763
65°	18770	20701	174	0	18770	18298
75°	9538	10554	94	0	9538	10409
85°	1510	624	44	0	1510	1814
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°	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9
2.5°	10619.1	10844.1	10851.3	10953.0	11054.6	11054.6	11294.1	11236.0	11025.5	10989.2	10836.8
5°	10698.9	10778.8	10836.8	11352.2	11787.7	11744.1	11874.8	11787.7	11381.2	10858.6	10502.9
7.5°	10009.4	10096.5	10328.7	11207.0	11794.9	11990.9	12237.7	11693.3	11265.1	10321.5	9639.2
10°	9094.8	9261.7	9690.0	10691.6	11417.5	12041.7	12041.7	11606.2	10778.8	9856.9	9022.2
12.5°	8586.7	8920.6	9152.9	10169.0	11112.6	11540.9	11526.4	11294.1	10757.0	9595.6	8652.0
15°	8673.8	8768.2	9261.7	10052.9	10677.1	10655.4	10916.7	10844.1	10466.6	9827.9	8789.9
17.5°	9073.0	9218.2	9646.4	10052.9	10350.5	10263.4	10256.1	10604.5	10626.3	10219.9	9305.3
20°	9726.3	10154.5	10357.8	10481.2	10118.2	9748.1	9704.5	10190.8	10568.3	10720.7	9922.3
22.5°	10771.5	11054.6	11468.3	10836.8	9893.2	9428.7	9341.6	9878.7	10640.8	11315.9	10720.7
25°	11794.9	12012.7	12411.9	11599.0	10147.3	9363.4	9210.9	9675.5	10916.7	12143.3	11686.1
27.5°	12876.4	13065.2	13108.7	12157.8	10285.2	9232.7	9051.2	9675.5	11148.9	12578.8	12840.1
30°	13536.9	13762.0	13805.5	12651.4	10510.2	9341.6	9254.5	9719.0	11308.6	12949.0	13667.6
32.5°	14277.3	14335.4	14299.1	12738.5	10757.0	9661.0	9298.0	10009.4	11490.1	13391.8	14422.5
35°	15162.8	15264.5	14894.3	13137.7	11308.6	9864.2	9733.5	10365.0	11802.2	13595.0	15337.0
37.5°	15837.9	16157.2	15322.5	13290.2	11417.5	10292.4	10314.2	11105.4	12019.9	13841.8	16346.0
40°	17108.1	16571.0	16048.4	13812.8	11831.2	11018.3	10902.1	11867.5	12753.0	14001.5	17006.5
42.5°	17804.9	17521.8	16331.4	13863.6	12470.0	12019.9	12049.0	12731.3	13137.7	14451.5	17187.9
45°	17979.1	17681.5	16716.1	13899.9	13101.4	13203.1	13703.9	13834.5	13703.9	14749.1	17529.1
47.5°	18421.9	17775.9	16672.6	14386.2	14124.9	14516.8	15155.6	15438.7	14473.3	14640.2	17688.8
50°	18334.8	17964.6	16578.2	14589.4	15373.3	16411.3	16839.5	16723.4	15329.8	14415.2	17514.6
52.5°	17971.8	17572.6	16868.6	15141.1	16541.9	17797.6	18392.8	18102.5	16091.9	14923.3	17398.4
55°	18501.7	18196.9	17246.0	15888.7	17420.2	19017.1	19438.0	19220.3	17028.2	15395.1	18058.9
57.5°	19075.1	19009.8	18269.4	16766.9	18458.2	20272.8	20272.8	20004.2	17841.2	16077.4	19038.8
60°	19902.6	20047.7	19024.3	17347.6	18813.8	20200.2	21252.6	20940.5	18661.4	17275.0	20149.4
62.5°	19634.0	20098.6	19996.9	18596.1	19220.3	20555.8	21129.3	21361.5	19677.6	18734.0	21630.1
65°	18770.3	19263.8	19989.7	19416.3	18915.4	19692.1	19982.4	20686.5	20185.7	20105.8	22239.8
67.5°	17739.6	18276.7	18726.7	19967.9	18298.5	18813.8	18559.8	18784.8	19634.0	21608.3	22588.2
70°	15489.5	16004.8	16716.1	18741.2	16665.3	16200.8	16135.5	16026.6	17347.6	21071.2	21005.9
72.5°	12738.5	12978.1	14153.9	15235.4	12332.1	12245.0	12346.6	12223.2	13754.7	19075.1	17993.6
75°	9537.6	9777.1	10444.9	11700.6	8398.0	7897.2	8477.8	9051.2	10502.9	14807.2	12927.2
77.5°	7171.3	7476.2	7897.2	8753.7	6162.4	5378.5	5458.3	6002.7	7592.3	11860.3	7243.9
80°	4652.6	4616.4	5429.3	6024.5	4638.1	4783.3	4580.1	4979.3	5501.9	6343.9	3701.8
82.5°	2685.6	2721.9	3063.1	3455.0	3230.0	3694.5	2663.8	4449.4	3926.8	2584.0	1379.1
85°	1509.8	1575.1	1887.2	2395.3	2025.1	1357.3	1110.5	2206.6	2467.9	1059.7	667.8
87.5°	152.4	130.7	254.0	907.3	551.6	225.0	333.9	529.9	595.2	399.2	196.0
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°	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9
2.5°	10619.1	10619.1	10437.6	10132.8	10009.4	9791.6	9494.0	9588.4	9486.8	9116.6	9022.2
5°	10183.6	9835.2	9457.7	8993.2	8724.6	8173.0	7998.8	7686.7	7737.5	7425.4	7439.9
7.5°	9276.3	9000.4	8361.7	7752.0	7222.1	6743.1	6068.0	5814.0	5567.2	5443.8	5589.0
10°	8746.4	8231.0	7360.0	6561.6	5857.5	5429.3	4979.3	4630.9	4311.5	4072.0	4021.2
12.5°	8361.7	7904.4	6851.9	5879.3	5327.7	4979.3	4565.5	4086.5	3774.4	3360.6	3237.3
15°	8245.6	7686.7	6576.1	5610.8	5073.6	4500.2	4028.4	3556.6	3150.2	2714.6	2562.2
17.5°	8644.8	7998.8	6568.9	5393.0	4638.1	4021.2	3367.9	2838.0	2424.3	2025.1	1930.7
20°	9319.8	8332.7	6779.4	5262.4	4224.4	3396.9	2656.6	2126.7	1662.2	1400.9	1335.5
22.5°	10089.2	8898.8	6801.1	4913.9	3810.7	2772.7	1938.0	1400.9	1139.6	1016.2	979.9
25°	11032.8	9806.1	7062.4	4630.9	3324.4	2104.9	1379.1	1074.2	921.8	849.2	834.7
27.5°	11809.4	10437.6	7345.5	4333.3	2845.3	1560.6	1081.5	878.3	798.4	725.8	718.6
30°	12615.1	11163.4	7425.4	4151.8	2431.6	1284.7	929.1	776.7	689.5	653.3	646.0
32.5°	13319.2	11954.6	7679.4	3854.2	2039.6	1132.3	842.0	696.8	638.7	580.7	573.4
35°	14226.5	12411.9	7802.8	3694.5	1894.4	1023.4	769.4	638.7	551.6	515.3	500.8
37.5°	15199.1	12854.7	7882.6	3571.1	1771.1	958.1	725.8	602.4	522.6	471.8	457.3
40°	16106.4	13478.9	7766.5	3418.7	1676.7	878.3	696.8	558.9	486.3	435.5	413.7
42.5°	16803.2	14088.6	7730.2	3273.5	1575.1	849.2	660.5	537.1	457.3	399.2	392.0
45°	17195.2	14502.3	7476.2	3157.4	1495.2	863.8	646.0	508.1	435.5	384.7	355.7
47.5°	17100.8	14821.7	7541.5	3121.1	1386.4	805.7	638.7	486.3	399.2	355.7	333.9
50°	17623.4	15467.7	7432.6	3005.0	1306.5	725.8	696.8	486.3	392.0	341.1	319.4
52.5°	17710.5	16055.6	7664.9	2794.5	1183.1	667.8	689.5	479.1	377.4	326.6	297.6
55°	18436.4	16737.9	8114.9	2678.4	1081.5	580.7	631.5	464.5	341.1	297.6	283.1
57.5°	19423.5	18153.3	8405.2	2569.5	943.6	508.1	529.9	457.3	312.1	275.8	254.0
60°	20374.4	18719.5	8427.0	2373.5	812.9	457.3	413.7	457.3	290.3	246.8	225.0
62.5°	21085.7	18719.5	8281.9	2206.6	711.3	406.5	362.9	435.5	261.3	217.8	203.2
65°	20701.0	18218.6	7904.4	2068.6	646.0	355.7	312.1	333.9	232.3	188.7	174.2
67.5°	20011.5	16658.1	7069.7	1901.7	638.7	312.1	268.6	246.8	203.2	166.9	152.4
70°	18908.2	14553.1	5886.6	1713.0	624.2	283.1	239.5	210.5	181.5	145.2	130.7
72.5°	15235.4	12019.9	4834.1	1604.1	609.7	246.8	203.2	181.5	152.4	123.4	108.9
75°	10553.7	7679.4	3723.6	1371.8	595.2	225.0	188.7	159.7	130.7	101.6	94.4
77.5°	6329.3	5131.7	2402.5	1030.7	392.0	181.5	159.7	123.4	108.9	87.1	79.8
80°	2961.4	2424.3	972.6	399.2	188.7	130.7	108.9	94.4	87.1	72.6	65.3
82.5°	1161.3	1023.4	471.8	232.3	152.4	101.6	87.1	79.8	72.6	58.1	50.8
85°	624.2	551.6	225.0	159.7	108.9	72.6	72.6	65.3	58.1	50.8	43.6
87.5°	137.9	101.6	94.4	94.4	79.8	58.1	58.1	50.8	43.6	36.3	29.0
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°	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9
2.5°	8971.4	9080.3	8906.1	9015.0	8862.5	8978.7	8993.2	8884.3	8913.3	9058.5	9123.8
5°	7643.1	7570.5	7410.8	7360.0	7367.3	7272.9	7309.2	7360.0	7439.9	7483.4	7614.1
7.5°	5509.1	5676.1	5668.8	5792.2	5799.5	5785.0	5683.3	5465.6	5538.2	5480.1	5552.7
10°	3941.3	4013.9	4151.8	4231.7	4376.8	4297.0	4064.7	3977.6	3934.1	3926.8	3999.4
12.5°	3150.2	2976.0	2961.4	2990.5	3063.1	2968.7	2852.6	2750.9	2801.7	2903.4	2983.2
15°	2438.8	2293.7	2104.9	2075.9	2090.4	2046.9	1923.5	1792.8	1829.1	1930.7	1988.8
17.5°	1872.7	1705.7	1575.1	1488.0	1458.9	1306.5	1125.1	1016.2	987.1	979.9	1030.7
20°	1263.0	1233.9	1212.2	1103.3	1103.3	885.5	733.1	653.3	653.3	667.8	675.0
22.5°	943.6	907.3	914.6	892.8	834.7	660.5	580.7	558.9	558.9	573.4	573.4
25°	820.2	769.4	754.9	747.6	689.5	566.2	508.1	486.3	486.3	500.8	500.8
27.5°	696.8	682.3	660.5	631.5	580.7	486.3	450.0	428.2	435.5	442.8	435.5
30°	638.7	602.4	573.4	573.4	515.3	435.5	406.5	392.0	377.4	392.0	399.2
32.5°	566.2	544.4	529.9	508.1	442.8	384.7	355.7	341.1	333.9	333.9	341.1
35°	486.3	486.3	471.8	442.8	384.7	348.4	312.1	297.6	290.3	297.6	297.6
37.5°	435.5	413.7	421.0	392.0	341.1	304.9	268.6	254.0	254.0	246.8	254.0
40°	406.5	370.2	348.4	333.9	304.9	261.3	232.3	217.8	210.5	210.5	210.5
42.5°	362.9	333.9	290.3	283.1	275.8	225.0	188.7	181.5	174.2	166.9	166.9
45°	341.1	297.6	261.3	225.0	225.0	188.7	159.7	145.2	137.9	130.7	137.9
47.5°	312.1	268.6	225.0	188.7	181.5	152.4	123.4	108.9	101.6	101.6	101.6
50°	297.6	239.5	196.0	159.7	137.9	123.4	94.4	79.8	72.6	72.6	72.6
52.5°	275.8	225.0	174.2	137.9	108.9	94.4	72.6	58.1	50.8	50.8	50.8
55°	246.8	203.2	152.4	116.1	94.4	72.6	50.8	36.3	29.0	29.0	29.0
57.5°	232.3	181.5	130.7	101.6	72.6	50.8	29.0	21.8	21.8	14.5	21.8
60°	210.5	159.7	108.9	79.8	58.1	36.3	21.8	7.3	7.3	7.3	7.3
62.5°	181.5	137.9	94.4	65.3	43.6	21.8	7.3	0.0	0.0	0.0	0.0
65°	152.4	108.9	72.6	50.8	29.0	7.3	0.0	0.0	0.0	0.0	0.0
67.5°	130.7	94.4	58.1	36.3	21.8	0.0	0.0	0.0	0.0	0.0	0.0
70°	116.1	79.8	43.6	29.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	94.4	65.3	36.3	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	79.8	50.8	21.8	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	65.3	36.3	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	50.8	29.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	43.6	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	29.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.8	7.3	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: P599397
 CATALOG NUMBER: IFLD-L-SA8C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9	10219.9
2.5°	9218.2	9174.6	9392.4	9748.1	9929.5	10285.2	10372.3	10597.3	10539.2	10619.1
5°	7628.6	7715.7	8035.1	8557.7	8746.4	9261.7	9748.1	10234.4	10546.5	10698.9
7.5°	5661.6	5951.9	6343.9	6822.9	7309.2	7984.3	8811.7	9377.9	9682.7	10009.4
10°	4217.1	4529.3	4979.3	5451.1	6242.2	6997.1	7824.6	8528.6	8789.9	9094.8
12.5°	3317.1	3803.4	4326.0	4834.1	5305.9	6024.5	7047.9	8071.4	8354.4	8586.7
15°	2308.2	2903.4	3651.0	4311.5	4972.0	5596.2	6656.0	7897.2	8281.9	8673.8
17.5°	1277.5	1749.3	2605.8	3534.8	4507.5	5465.6	6786.6	8216.5	8797.2	9073.0
20°	740.4	929.1	1538.8	2642.1	3926.8	5182.5	6851.9	8819.0	9588.4	9726.3
22.5°	609.7	675.0	871.0	1654.9	3215.5	5001.0	7185.8	9661.0	10444.9	10771.5
25°	522.6	573.4	675.0	994.4	2431.6	4616.4	7396.3	10713.4	11439.3	11794.9
27.5°	464.5	515.3	595.2	733.1	1654.9	4086.5	7744.7	11664.3	12390.1	12876.4
30°	406.5	450.0	529.9	624.2	1146.8	3491.3	8042.3	12361.1	13384.5	13536.9
32.5°	362.9	399.2	457.3	537.1	849.2	2649.3	8281.9	13079.7	13943.4	14277.3
35°	312.1	355.7	392.0	457.3	646.0	1996.1	8136.7	13638.6	14763.6	15162.8
37.5°	275.8	304.9	341.1	384.7	544.4	1560.6	7839.1	14306.3	15467.7	15837.9
40°	232.3	254.0	297.6	341.1	493.6	1204.9	7497.9	15112.0	16454.8	17108.1
42.5°	196.0	217.8	246.8	319.4	406.5	892.8	6808.4	15736.2	17253.3	17804.9
45°	152.4	181.5	225.0	319.4	326.6	660.5	6097.1	16200.8	17703.3	17979.1
47.5°	116.1	145.2	217.8	275.8	261.3	457.3	5255.1	16730.7	18167.8	18421.9
50°	87.1	116.1	246.8	239.5	217.8	348.4	4725.2	17100.8	18196.9	18334.8
52.5°	58.1	87.1	203.2	181.5	181.5	304.9	4580.1	17086.3	18269.4	17971.8
55°	43.6	65.3	116.1	130.7	159.7	268.6	4449.4	17630.7	18291.2	18501.7
57.5°	29.0	50.8	79.8	101.6	137.9	232.3	4180.8	18284.0	18966.2	19075.1
60°	14.5	36.3	58.1	79.8	116.1	203.2	3803.4	18763.0	19786.4	19902.6
62.5°	7.3	21.8	43.6	65.3	94.4	159.7	3411.5	18000.9	19430.8	19634.0
65°	0.0	14.5	29.0	43.6	58.1	116.1	2772.7	16251.6	18022.7	18770.3
67.5°	0.0	0.0	14.5	29.0	36.3	87.1	2090.4	14785.4	16723.4	17739.6
70°	0.0	0.0	7.3	7.3	21.8	65.3	1335.5	12245.0	14930.6	15489.5
72.5°	0.0	0.0	0.0	0.0	7.3	43.6	776.7	9094.8	11700.6	12738.5
75°	0.0	0.0	0.0	0.0	0.0	36.3	392.0	5850.3	8143.9	9537.6
77.5°	0.0	0.0	0.0	0.0	0.0	29.0	210.5	3774.4	6002.7	7171.3
80°	0.0	0.0	0.0	0.0	0.0	7.3	123.4	2192.0	3839.7	4652.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	50.8	1074.2	2293.7	2685.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	14.5	573.4	1146.8	1509.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.8	79.8	152.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)