

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: P599477

Luminaire Tested: **IFLD-L-SA7A-735-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: P599477
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7A-735-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (112) 3500K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

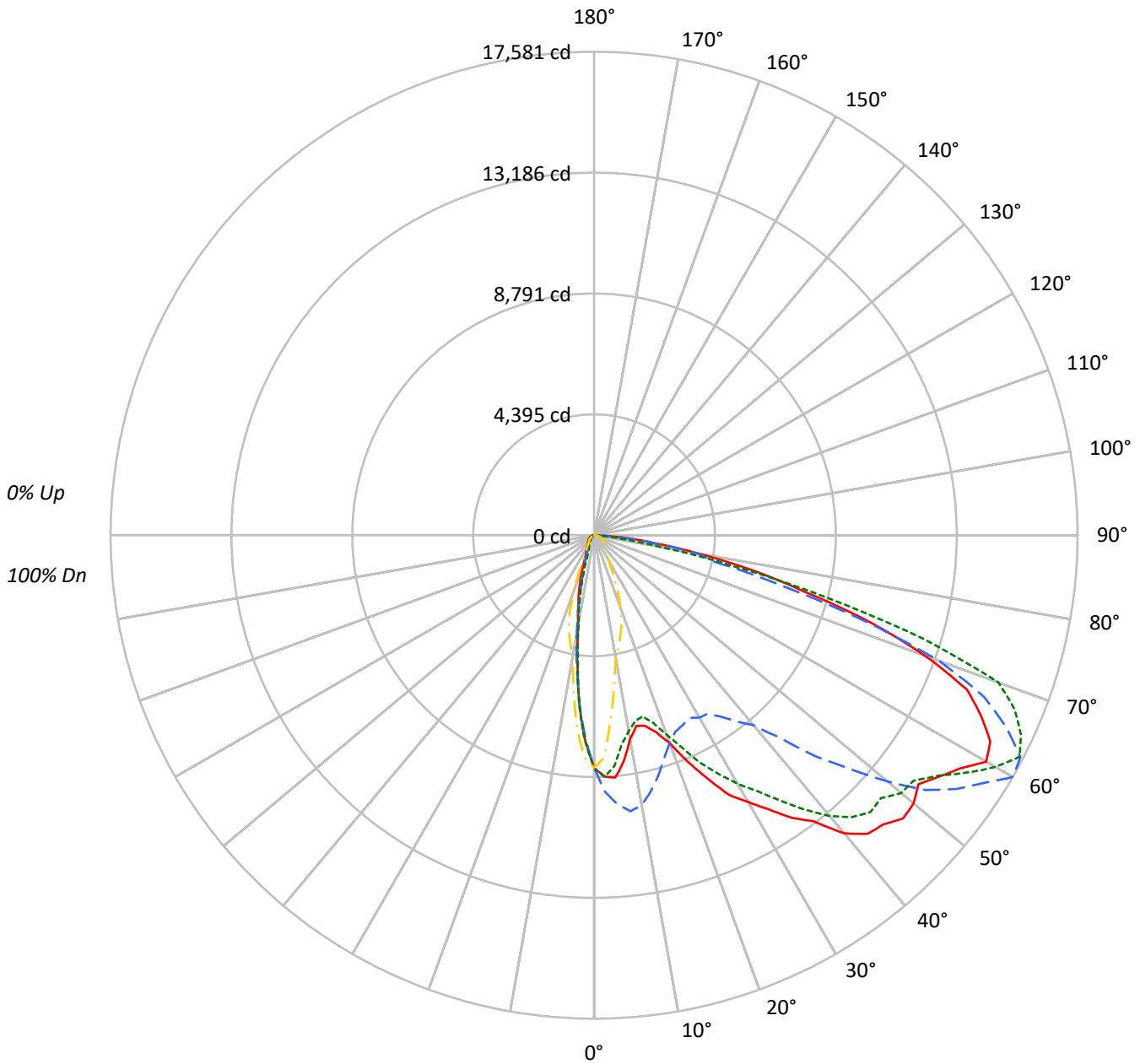
Lumens per Lamp: N/A
 Luminaire Lumens: 22485.1 lumens
 Efficiency: N/A
 Efficacy: 103.3 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 217.6
 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				
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°	45500	45500	45500	45500
5°	47815	45512	33250	33445
10°	41116	39541	18179	17752
15°	39979	38005	11810	8899
20°	46082	44156	6328	3164
25°	57942	54197	4100	2460
30°	69592	64853	3321	2015
35°	82411	77322	2722	1618
40°	99430	93608	2405	1223
45°	113202	108266	2239	823
50°	126993	122065	2212	502
55°	143612	143104	2198	225
60°	177218	181419	2003	65
65°	197738	218078	1835	0
70°	201629	246131	1701	0
75°	164063	181542	1624	0
80°	119288	75928	1674	0
85°	77121	31888	2223	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	642.3	2.9
10°-20°	1259.5	5.6
20°-30°	1742.9	7.8
30°-40°	2463.1	11.0
40°-50°	3353.6	14.9
50°-60°	4441.6	19.8
60°-70°	5157.1	22.9
70°-80°	2920.5	13.0
80°-90°	504.6	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°	3644.6	16.2
0°-40°	6107.7	27.2
0°-60°	13902.9	61.8
0°-90°	22485.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22485.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8454	8454	8454	8454	8454	
5°	8850	8424	6154	6191	8850	795
15°	7175	6821	2120	1597	7175	2105
25°	9757	9127	690	414	9757	4551
35°	12543	11769	414	246	12543	7907
45°	14873	14224	294	108	14873	11531
55°	15305	15251	234	24	15305	13867
65°	15527	17125	144	0	15527	15136
75°	7890	8730	78	0	7890	8611
85°	1249	516	36	0	1249	1501
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°	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2
2.5°	8784.5	8970.6	8976.6	9060.7	9144.7	9144.7	9342.9	9294.9	9120.7	9090.7	8964.6
5°	8850.5	8916.6	8964.6	9390.9	9751.2	9715.2	9823.2	9751.2	9414.9	8982.6	8688.4
7.5°	8280.1	8352.2	8544.3	9270.8	9757.2	9919.3	10123.5	9673.1	9318.9	8538.3	7973.9
10°	7523.5	7661.6	8015.9	8844.5	9445.0	9961.3	9961.3	9601.1	8916.6	8154.0	7463.5
12.5°	7103.2	7379.4	7571.6	8412.2	9192.8	9547.0	9535.0	9342.9	8898.6	7937.9	7157.3
15°	7175.3	7253.3	7661.6	8316.1	8832.5	8814.5	9030.7	8970.6	8658.4	8130.0	7271.4
17.5°	7505.5	7625.6	7979.9	8316.1	8562.3	8490.3	8484.3	8772.5	8790.5	8454.2	7697.7
20°	8045.9	8400.2	8568.3	8670.4	8370.2	8063.9	8027.9	8430.2	8742.4	8868.5	8208.1
22.5°	8910.6	9144.7	9487.0	8964.6	8184.0	7799.8	7727.7	8172.0	8802.5	9360.9	8868.5
25°	9757.2	9937.3	10267.6	9595.1	8394.2	7745.7	7619.6	8003.9	9030.7	10045.4	9667.1
27.5°	10651.9	10808.0	10844.0	10057.4	8508.3	7637.6	7487.5	8003.9	9222.8	10405.7	10621.8
30°	11198.3	11384.4	11420.4	10465.7	8694.4	7727.7	7655.6	8039.9	9354.9	10711.9	11306.3
32.5°	11810.7	11858.7	11828.7	10537.8	8898.6	7991.9	7691.7	8280.1	9505.0	11078.2	11930.8
35°	12543.2	12627.3	12321.1	10868.0	9354.9	8160.0	8051.9	8574.3	9763.2	11246.3	12687.4
37.5°	13101.7	13365.9	12675.3	10994.1	9445.0	8514.3	8532.3	9186.8	9943.3	11450.4	13522.0
40°	14152.4	13708.1	13275.8	11426.4	9787.2	9114.7	9018.6	9817.2	10549.8	11582.5	14068.4
42.5°	14728.9	14494.7	13510.0	11468.5	10315.6	9943.3	9967.3	10531.8	10868.0	11954.8	14218.5
45°	14873.0	14626.8	13828.2	11498.5	10838.0	10922.1	11336.4	11444.4	11336.4	12201.0	14500.7
47.5°	15239.2	14704.8	13792.2	11900.8	11684.6	12008.9	12537.2	12771.4	11972.8	12110.9	14632.8
50°	15167.2	14861.0	13714.1	12068.9	12717.4	13576.0	13930.3	13834.2	12681.4	11924.8	14488.7
52.5°	14867.0	14536.7	13954.3	12525.2	13684.1	14722.9	15215.2	14975.0	13311.8	12345.1	14392.6
55°	15305.3	15053.1	14266.5	13143.7	14410.6	15731.6	16079.9	15899.7	14086.4	12735.4	14939.0
57.5°	15779.6	15725.6	15113.1	13870.2	15269.3	16770.4	16770.4	16548.2	14758.9	13299.8	15749.6
60°	16464.1	16584.2	15737.6	14350.6	15563.5	16710.3	17581.0	17322.8	15437.4	14290.5	16668.3
62.5°	16242.0	16626.3	16542.2	15383.3	15899.7	17004.5	17478.9	17671.0	16278.0	15497.4	17893.2
65°	15527.4	15935.8	16536.2	16061.8	15647.5	16290.0	16530.2	17112.6	16698.3	16632.3	18397.6
67.5°	14674.8	15119.1	15491.4	16518.2	15137.2	15563.5	15353.3	15539.5	16242.0	17875.2	18685.8
70°	12813.4	13239.8	13828.2	15503.4	13786.2	13401.9	13347.8	13257.8	14350.6	17430.9	17376.8
72.5°	10537.8	10735.9	11708.6	12603.3	10201.5	10129.5	10213.5	10111.5	11378.4	15779.6	14885.0
75°	7889.8	8088.0	8640.4	9679.1	6947.1	6532.8	7013.2	7487.5	8688.4	12249.0	10693.9
77.5°	5932.4	6184.6	6532.8	7241.3	5097.8	4449.3	4515.3	4965.7	6280.6	9811.2	5992.4
80°	3848.8	3818.8	4491.3	4983.7	3836.8	3956.9	3788.8	4119.0	4551.4	5247.9	3062.3
82.5°	2221.6	2251.7	2533.9	2858.1	2672.0	3056.3	2203.6	3680.7	3248.4	2137.6	1140.8
85°	1248.9	1303.0	1561.2	1981.5	1675.2	1122.8	918.7	1825.3	2041.5	876.6	552.4
87.5°	126.1	108.1	210.2	750.6	456.3	186.1	276.2	438.3	492.4	330.2	162.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2
2.5°	8784.5	8784.5	8634.4	8382.2	8280.1	8100.0	7853.8	7931.8	7847.8	7541.6	7463.5
5°	8424.2	8136.0	7823.8	7439.5	7217.3	6761.0	6616.9	6358.7	6400.7	6142.5	6154.5
7.5°	7673.7	7445.5	6917.1	6412.7	5974.4	5578.1	5019.7	4809.5	4605.4	4503.3	4623.4
10°	7235.3	6809.0	6088.5	5428.0	4845.6	4491.3	4119.0	3830.8	3566.6	3368.5	3326.5
12.5°	6917.1	6538.8	5668.2	4863.6	4407.2	4119.0	3776.8	3380.5	3122.3	2780.0	2678.0
15°	6821.0	6358.7	5440.0	4641.4	4197.1	3722.7	3332.5	2942.2	2605.9	2245.7	2119.6
17.5°	7151.3	6616.9	5434.0	4461.3	3836.8	3326.5	2786.1	2347.7	2005.5	1675.2	1597.2
20°	7709.7	6893.1	5608.1	4353.2	3494.6	2810.1	2197.6	1759.3	1375.0	1158.9	1104.8
22.5°	8346.2	7361.4	5626.1	4065.0	3152.3	2293.7	1603.2	1158.9	942.7	840.6	810.6
25°	9126.7	8112.0	5842.3	3830.8	2750.0	1741.3	1140.8	888.7	762.6	702.5	690.5
27.5°	9769.2	8634.4	6076.5	3584.6	2353.7	1291.0	894.7	726.5	660.5	600.4	594.4
30°	10435.7	9234.8	6142.5	3434.5	2011.5	1062.8	768.6	642.5	570.4	540.4	534.4
32.5°	11018.1	9889.3	6352.7	3188.4	1687.2	936.7	696.5	576.4	528.4	480.4	474.3
35°	11768.7	10267.6	6454.8	3056.3	1567.2	846.6	636.5	528.4	456.3	426.3	414.3
37.5°	12573.3	10633.8	6520.8	2954.2	1465.1	792.6	600.4	498.4	432.3	390.3	378.3
40°	13323.8	11150.2	6424.7	2828.1	1387.0	726.5	576.4	462.3	402.3	360.3	342.3
42.5°	13900.2	11654.6	6394.7	2708.0	1303.0	702.5	546.4	444.3	378.3	330.2	324.2
45°	14224.5	11996.8	6184.6	2611.9	1236.9	714.5	534.4	420.3	360.3	318.2	294.2
47.5°	14146.4	12261.0	6238.6	2581.9	1146.8	666.5	528.4	402.3	330.2	294.2	276.2
50°	14578.7	12795.4	6148.5	2485.8	1080.8	600.4	576.4	402.3	324.2	282.2	264.2
52.5°	14650.8	13281.8	6340.7	2311.7	978.7	552.4	570.4	396.3	312.2	270.2	246.2
55°	15251.2	13846.2	6712.9	2215.6	894.7	480.4	522.4	384.3	282.2	246.2	234.2
57.5°	16067.8	15017.1	6953.1	2125.6	780.6	420.3	438.3	378.3	258.2	228.2	210.2
60°	16854.4	15485.4	6971.1	1963.4	672.5	378.3	342.3	378.3	240.2	204.2	186.1
62.5°	17442.9	15485.4	6851.1	1825.3	588.4	336.2	300.2	360.3	216.2	180.1	168.1
65°	17124.6	15071.1	6538.8	1711.3	534.4	294.2	258.2	276.2	192.1	156.1	144.1
67.5°	16554.2	13780.2	5848.3	1573.2	528.4	258.2	222.2	204.2	168.1	138.1	126.1
70°	15641.5	12038.9	4869.6	1417.0	516.4	234.2	198.1	174.1	150.1	120.1	108.1
72.5°	12603.3	9943.3	3998.9	1327.0	504.4	204.2	168.1	150.1	126.1	102.1	90.1
75°	8730.4	6352.7	3080.3	1134.8	492.4	186.1	156.1	132.1	108.1	84.1	78.1
77.5°	5235.9	4245.1	1987.5	852.6	324.2	150.1	132.1	102.1	90.1	72.1	66.0
80°	2449.8	2005.5	804.6	330.2	156.1	108.1	90.1	78.1	72.1	60.0	54.0
82.5°	960.7	846.6	390.3	192.1	126.1	84.1	72.1	66.0	60.0	48.0	42.0
85°	516.4	456.3	186.1	132.1	90.1	60.0	60.0	54.0	48.0	42.0	36.0
87.5°	114.1	84.1	78.1	78.1	66.0	48.0	48.0	42.0	36.0	30.0	24.0
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°	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2
2.5°	7421.5	7511.5	7367.4	7457.5	7331.4	7427.5	7439.5	7349.4	7373.4	7493.5	7547.6
5°	6322.7	6262.6	6130.5	6088.5	6094.5	6016.4	6046.5	6088.5	6154.5	6190.6	6298.6
7.5°	4557.4	4695.5	4689.5	4791.5	4797.5	4785.5	4701.5	4521.3	4581.4	4533.3	4593.4
10°	3260.4	3320.4	3434.5	3500.6	3620.7	3554.6	3362.5	3290.4	3254.4	3248.4	3308.4
12.5°	2605.9	2461.8	2449.8	2473.8	2533.9	2455.8	2359.7	2275.7	2317.7	2401.8	2467.8
15°	2017.5	1897.4	1741.3	1717.3	1729.3	1693.2	1591.2	1483.1	1513.1	1597.2	1645.2
17.5°	1549.1	1411.0	1303.0	1230.9	1206.9	1080.8	930.7	840.6	816.6	810.6	852.6
20°	1044.8	1020.8	1002.7	912.7	912.7	732.5	606.4	540.4	540.4	552.4	558.4
22.5°	780.6	750.6	756.6	738.5	690.5	546.4	480.4	462.3	462.3	474.3	474.3
25°	678.5	636.5	624.5	618.5	570.4	468.3	420.3	402.3	402.3	414.3	414.3
27.5°	576.4	564.4	546.4	522.4	480.4	402.3	372.3	354.3	360.3	366.3	360.3
30°	528.4	498.4	474.3	474.3	426.3	360.3	336.2	324.2	312.2	324.2	330.2
32.5°	468.3	450.3	438.3	420.3	366.3	318.2	294.2	282.2	276.2	276.2	282.2
35°	402.3	402.3	390.3	366.3	318.2	288.2	258.2	246.2	240.2	246.2	246.2
37.5°	360.3	342.3	348.3	324.2	282.2	252.2	222.2	210.2	210.2	204.2	210.2
40°	336.2	306.2	288.2	276.2	252.2	216.2	192.1	180.1	174.1	174.1	174.1
42.5°	300.2	276.2	240.2	234.2	228.2	186.1	156.1	150.1	144.1	138.1	138.1
45°	282.2	246.2	216.2	186.1	186.1	156.1	132.1	120.1	114.1	108.1	114.1
47.5°	258.2	222.2	186.1	156.1	150.1	126.1	102.1	90.1	84.1	84.1	84.1
50°	246.2	198.1	162.1	132.1	114.1	102.1	78.1	66.0	60.0	60.0	60.0
52.5°	228.2	186.1	144.1	114.1	90.1	78.1	60.0	48.0	42.0	42.0	42.0
55°	204.2	168.1	126.1	96.1	78.1	60.0	42.0	30.0	24.0	24.0	24.0
57.5°	192.1	150.1	108.1	84.1	60.0	42.0	24.0	18.0	18.0	12.0	18.0
60°	174.1	132.1	90.1	66.0	48.0	30.0	18.0	6.0	6.0	6.0	6.0
62.5°	150.1	114.1	78.1	54.0	36.0	18.0	6.0	0.0	0.0	0.0	0.0
65°	126.1	90.1	60.0	42.0	24.0	6.0	0.0	0.0	0.0	0.0	0.0
67.5°	108.1	78.1	48.0	30.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	96.1	66.0	36.0	24.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	78.1	54.0	30.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	66.0	42.0	18.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	54.0	30.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	42.0	24.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	36.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.0	6.0	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: P599477
 CATALOG NUMBER: IFLD-L-SA7A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2	8454.2
2.5°	7625.6	7589.6	7769.7	8063.9	8214.1	8508.3	8580.3	8766.5	8718.4	8784.5
5°	6310.7	6382.7	6646.9	7079.2	7235.3	7661.6	8063.9	8466.2	8724.4	8850.5
7.5°	4683.5	4923.6	5247.9	5644.2	6046.5	6604.9	7289.4	7757.7	8009.9	8280.1
10°	3488.6	3746.8	4119.0	4509.3	5163.8	5788.3	6472.8	7055.2	7271.4	7523.5
12.5°	2744.0	3146.3	3578.6	3998.9	4389.2	4983.7	5830.3	6676.9	6911.1	7103.2
15°	1909.4	2401.8	3020.2	3566.6	4113.0	4629.4	5506.1	6532.8	6851.1	7175.3
17.5°	1056.8	1447.1	2155.6	2924.2	3728.7	4521.3	5614.1	6797.0	7277.4	7505.5
20°	612.5	768.6	1272.9	2185.6	3248.4	4287.2	5668.2	7295.4	7931.8	8045.9
22.5°	504.4	558.4	720.5	1369.0	2660.0	4137.1	5944.4	7991.9	8640.4	8910.6
25°	432.3	474.3	558.4	822.6	2011.5	3818.8	6118.5	8862.5	9463.0	9757.2
27.5°	384.3	426.3	492.4	606.4	1369.0	3380.5	6406.7	9649.1	10249.6	10651.9
30°	336.2	372.3	438.3	516.4	948.7	2888.1	6652.9	10225.5	11072.2	11198.3
32.5°	300.2	330.2	378.3	444.3	702.5	2191.6	6851.1	10820.0	11534.5	11810.7
35°	258.2	294.2	324.2	378.3	534.4	1651.2	6731.0	11282.3	12213.0	12543.2
37.5°	228.2	252.2	282.2	318.2	450.3	1291.0	6484.8	11834.7	12795.4	13101.7
40°	192.1	210.2	246.2	282.2	408.3	996.7	6202.6	12501.2	13612.0	14152.4
42.5°	162.1	180.1	204.2	264.2	336.2	738.5	5632.2	13017.6	14272.5	14728.9
45°	126.1	150.1	186.1	264.2	270.2	546.4	5043.7	13401.9	14644.8	14873.0
47.5°	96.1	120.1	180.1	228.2	216.2	378.3	4347.2	13840.2	15029.1	15239.2
50°	72.1	96.1	204.2	198.1	180.1	288.2	3908.9	14146.4	15053.1	15167.2
52.5°	48.0	72.1	168.1	150.1	150.1	252.2	3788.8	14134.4	15113.1	14867.0
55°	36.0	54.0	96.1	108.1	132.1	222.2	3680.7	14584.8	15131.2	15305.3
57.5°	24.0	42.0	66.0	84.1	114.1	192.1	3458.6	15125.2	15689.6	15779.6
60°	12.0	30.0	48.0	66.0	96.1	168.1	3146.3	15521.4	16368.1	16464.1
62.5°	6.0	18.0	36.0	54.0	78.1	132.1	2822.1	14891.0	16073.9	16242.0
65°	0.0	12.0	24.0	36.0	48.0	96.1	2293.7	13443.9	14909.0	15527.4
67.5°	0.0	0.0	12.0	24.0	30.0	72.1	1729.3	12231.0	13834.2	14674.8
70°	0.0	0.0	6.0	6.0	18.0	54.0	1104.8	10129.5	12351.1	12813.4
72.5°	0.0	0.0	0.0	0.0	6.0	36.0	642.5	7523.5	9679.1	10537.8
75°	0.0	0.0	0.0	0.0	0.0	30.0	324.2	4839.6	6737.0	7889.8
77.5°	0.0	0.0	0.0	0.0	0.0	24.0	174.1	3122.3	4965.7	5932.4
80°	0.0	0.0	0.0	0.0	0.0	6.0	102.1	1813.3	3176.3	3848.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	42.0	888.7	1897.4	2221.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	12.0	474.3	948.7	1248.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	66.0	126.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)