

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: P598990

Luminaire Tested: **IFLD-L-SA8B-740-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598990  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-L-SA8B-740-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (128) 4000K CCT, 70 CRI LEDS  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

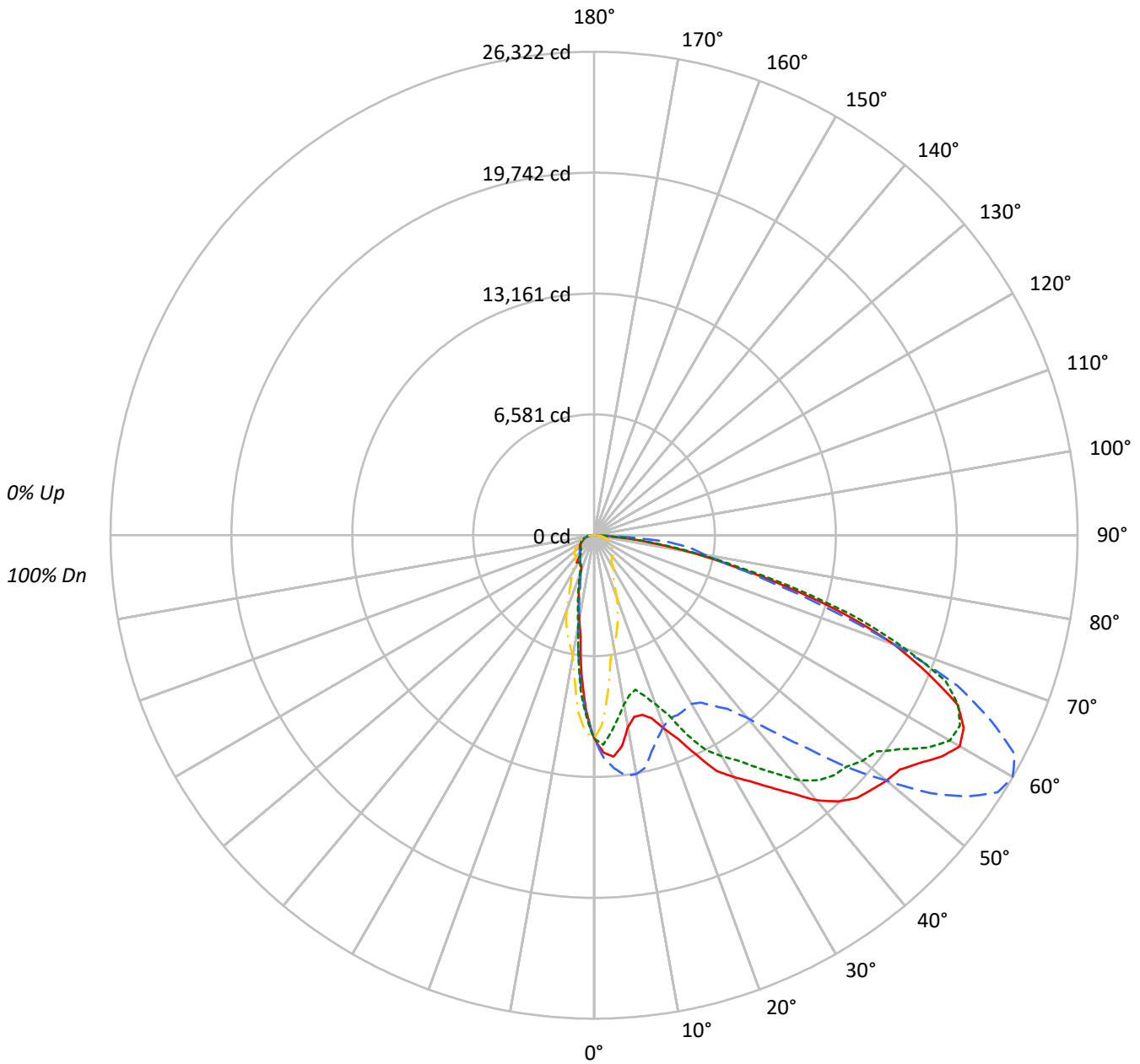
Lumens per Lamp: N/A  
 Luminaire Lumens: 34618.5 lumens  
 Efficiency: N/A  
 Efficacy: 108.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 320  
 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	
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77			77	
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60			60	
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47			47	
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38			38	
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31			31	
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26			26	
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22			22	
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19			19	
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17			17	
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15			15	

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

	0°	90°	180°	270°
0°	59508	59508	59508	59508
5°	65377	58076	41649	45465
10°	57908	51110	25261	27108
15°	56388	48515	17883	18568
20°	64295	56115	11698	12930
25°	78336	71131	10214	10579
30°	94386	86274	10593	9830
35°	110078	101301	8778	8274
40°	132275	122350	8200	7768
45°	153937	140612	8299	7715
50°	173969	159826	8487	7972
55°	202887	190495	8790	8358
60°	247454	240677	8761	8761
65°	278096	278487	8996	9387
70°	273309	282975	9424	9666
75°	225450	240459	9900	10539
80°	162778	170870	10947	11424
85°	90089	96727	12326	15172

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	859.0	2.5
10°-20°	1813.6	5.2
20°-30°	2653.5	7.7
30°-40°	3738.6	10.8
40°-50°	5137.9	14.8
50°-60°	7002.4	20.2
60°-70°	7663.8	22.1
70°-80°	4424.6	12.8
80°-90°	1325.0	3.8
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°	5326.0	15.4
0°-40°	9064.6	26.2
0°-60°	21205.0	61.3
0°-90°	34618.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34618.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	11057	11057	11057	11057	11057	
5°	12101	10750	7709	8416	12101	1099
15°	10120	8707	3210	3332	10120	2957
25°	13192	11978	1720	1781	13192	6177
35°	16754	15418	1336	1259	16754	10624
45°	20225	18474	1090	1014	20225	15544
55°	21622	20302	937	891	21622	19510
65°	21838	21868	706	737	21838	20901
75°	10842	11564	476	507	10842	11646
85°	1459	1566	200	246	1459	2024
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°	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9
2.5°	11840.1	11794.1	11840.1	12009.1	12055.1	12131.9	12131.9	12024.4	11824.8	11732.6	11579.1
5°	12101.2	12024.4	12408.3	12761.5	13038.0	13007.3	12746.2	12531.2	12131.9	11533.0	10964.8
7.5°	11579.1	11655.9	11932.3	12853.7	13498.7	13621.5	13206.9	12776.9	11916.9	11087.7	10319.8
10°	10596.2	10703.7	11302.6	12254.8	13268.3	13468.0	13206.9	12684.8	11655.9	10626.9	9736.2
12.5°	10120.2	10365.9	10719.1	11870.9	12592.6	13068.7	12945.8	12608.0	11456.2	10243.0	9383.0
15°	10120.2	10181.6	10703.7	11671.2	12085.8	12101.2	12147.3	12208.7	11517.6	10411.9	9260.2
17.5°	10442.7	10611.6	11056.9	11655.9	11732.6	11548.4	11548.4	11809.4	11640.5	10888.0	9705.5
20°	11225.9	11164.4	11748.0	11993.7	11579.1	11118.4	11072.3	11517.6	11778.7	11394.8	10519.4
22.5°	12009.1	12285.5	12761.5	12208.7	11440.9	10826.6	10765.2	11318.0	12193.3	12270.1	11456.2
25°	13191.5	13468.0	13713.7	13038.0	11425.5	10749.8	10795.9	11225.9	12700.1	13514.0	13022.6
27.5°	14466.2	14635.1	14988.3	13944.0	11794.1	10657.7	10703.7	11348.7	13176.2	14327.9	14251.2
30°	15187.9	15372.2	15295.4	14113.0	12039.8	10719.1	10596.2	11517.6	12915.1	14327.9	15049.7
32.5°	15894.3	15786.9	15740.8	14389.4	12346.9	11103.0	10795.9	11870.9	13068.7	14558.3	16078.6
35°	16754.3	16600.8	16477.9	14926.9	12853.7	11471.6	11333.4	12331.6	13406.5	15034.4	16907.9
37.5°	17706.5	17706.5	17107.5	15326.1	13452.6	12070.5	11916.9	12991.9	13944.0	15326.1	18044.3
40°	18827.5	18873.6	17814.0	15863.6	14128.3	13022.6	12976.5	13851.9	14466.2	15756.1	19134.6
42.5°	19656.8	19687.5	18428.2	16063.3	14911.5	14343.3	14542.9	15234.0	15065.1	16140.1	19211.4
45°	20225.0	20071.4	18858.2	16631.5	15771.5	16324.3	16385.8	16585.4	15848.3	16370.4	19518.6
47.5°	20501.4	20470.7	19042.5	17291.8	17583.6	18336.1	18689.3	18412.9	16570.1	16124.7	19518.6
50°	20777.8	20516.8	19211.4	18197.9	19349.6	20870.0	20793.2	20286.4	17568.2	16431.8	19226.8
52.5°	20962.1	20731.8	19549.3	19011.8	21038.9	22758.9	23066.0	22129.2	18735.4	17000.0	19365.0
55°	21622.5	21438.2	20562.8	20117.5	22989.2	24755.3	24801.3	23496.0	19963.9	17936.8	20271.1
57.5°	22421.0	22528.5	21960.3	21683.9	24478.8	26214.2	26045.2	24509.5	21008.2	19073.2	21315.3
60°	22989.2	23158.1	23019.9	23050.6	25216.0	26705.6	26321.7	25139.2	21776.0	19933.2	22589.9
62.5°	22682.1	23019.9	23588.1	23465.3	25246.7	26352.4	25814.9	24309.9	21868.2	21054.3	23557.4
65°	21837.5	21868.2	22973.9	23649.6	23864.6	24524.9	23818.5	22574.6	20916.0	21745.3	23419.2
67.5°	19672.1	19917.8	20916.0	22236.7	21330.7	21484.2	21422.8	19626.1	19472.5	21269.2	22359.6
70°	17368.6	17537.5	18627.9	20178.9	18013.6	17291.8	17430.0	16094.0	16723.6	19795.0	20225.0
72.5°	14358.7	14466.2	15710.1	17076.8	14450.8	13160.8	13483.3	12393.0	13283.7	17322.5	17061.5
75°	10841.9	11041.6	12009.1	13621.5	10642.3	9813.0	10135.5	9690.2	10519.4	14266.5	13237.6
77.5°	7709.1	7555.6	8753.4	10657.7	8000.9	7509.5	7540.2	7617.0	8507.7	12024.4	9505.9
80°	5252.0	5298.1	6373.1	7816.6	6281.0	6204.2	6127.4	6741.7	7140.9	9521.3	6910.6
82.5°	3117.4	3117.4	4299.9	5559.2	4960.3	5589.9	5236.7	5789.5	5589.9	7002.7	4530.3
85°	1458.9	1458.9	2211.4	4008.1	3839.2	4607.1	3916.0	4376.7	4131.0	4883.5	2042.5
87.5°	245.7	215.0	445.3	1965.7	1581.8	1796.8	706.4	2334.2	2595.3	3409.2	506.8
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°	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9
2.5°	11410.1	11302.6	11087.7	10811.2	10580.9	10289.1	10197.0	9997.3	9720.9	9690.2	9567.3
5°	10749.8	10381.2	9920.5	9352.3	8968.4	8569.1	8231.3	8031.6	7801.3	7770.6	7709.1
7.5°	10028.0	9567.3	8799.5	8123.8	7463.4	6833.8	6526.7	6142.7	5881.7	5682.0	5589.9
10°	9352.3	8922.3	7970.2	7048.8	6465.2	6050.6	5682.0	5282.8	4960.3	4714.6	4622.4
12.5°	8907.0	8400.2	7371.3	6496.0	6066.0	5589.9	5175.3	4745.3	4330.6	4008.1	3839.2
15°	8707.3	8231.3	7187.0	6219.5	5589.9	4929.6	4453.5	4023.5	3516.7	3286.4	3209.6
17.5°	9183.4	8477.0	7125.6	5897.0	5006.3	4253.8	3670.3	3209.6	2841.0	2610.7	2518.5
20°	9797.7	8922.3	7233.1	5513.1	4453.5	3608.9	2963.9	2472.5	2226.7	2057.8	2042.5
22.5°	10580.9	9582.7	7402.0	5236.7	3839.2	2902.4	2318.9	2027.1	1858.2	1842.8	1812.1
25°	11978.3	10780.5	7678.4	4868.1	3347.8	2395.7	1981.0	1812.1	1735.3	1689.3	1720.0
27.5°	13176.2	11563.7	7878.1	4637.8	3148.2	2257.5	1919.6	1735.3	1658.5	1643.2	1658.5
30°	13882.6	12285.5	7816.6	4207.8	2748.9	2150.0	2042.5	1981.0	1827.5	1704.6	1704.6
32.5°	14527.6	12746.2	7801.3	3823.9	2349.6	1796.8	1704.6	1658.5	1750.7	1812.1	1766.0
35°	15418.3	13468.0	7755.2	3608.9	2180.7	1658.5	1505.0	1382.1	1320.7	1290.0	1336.0
37.5°	16370.4	13959.4	7632.4	3578.1	2088.5	1581.8	1458.9	1336.0	1274.6	1243.9	1228.5
40°	17414.7	14481.5	7494.1	3424.6	2042.5	1535.7	1412.8	1305.3	1228.5	1182.5	1167.1
42.5°	18090.4	14896.2	7355.9	3347.8	1950.3	1505.0	1366.8	1274.6	1197.8	1136.4	1136.4
45°	18474.3	15387.6	7217.7	3271.0	1842.8	1520.3	1366.8	1243.9	1151.8	1121.1	1090.3
47.5°	18643.2	15756.1	7171.7	3148.2	1750.7	1458.9	1336.0	1213.2	1121.1	1059.6	1044.3
50°	19088.6	16539.3	7340.6	3056.0	1643.2	1397.5	1412.8	1197.8	1105.7	1028.9	1013.6
52.5°	19349.6	17169.0	7709.1	2917.8	1566.4	1320.7	1382.1	1167.1	1059.6	982.8	982.8
55°	20301.8	18213.2	8108.4	2810.3	1474.3	1213.2	1274.6	1105.7	982.8	936.8	936.8
57.5°	21515.0	19318.9	8446.3	2764.2	1412.8	1136.4	1136.4	1075.0	936.8	875.3	860.0
60°	22359.6	20225.0	8645.9	2733.5	1351.4	1059.6	1013.6	1075.0	890.7	829.3	813.9
62.5°	22451.7	19702.8	8446.3	2718.2	1336.0	982.8	921.4	1028.9	844.6	783.2	752.5
65°	21868.2	18643.2	7893.4	2656.7	1320.7	906.1	860.0	890.7	783.2	737.1	706.4
67.5°	20701.0	16923.3	7094.9	2626.0	1305.3	844.6	783.2	767.8	721.8	675.7	645.0
70°	17982.9	14681.2	6158.1	2487.8	1274.6	798.6	706.4	691.1	645.0	614.3	598.9
72.5°	15095.8	12009.1	5083.1	2303.5	1213.2	721.8	645.0	614.3	598.9	552.8	537.5
75°	11563.7	9244.8	4069.6	2042.5	1059.6	645.0	568.2	537.5	522.1	491.4	476.1
77.5°	8123.8	6879.9	3009.9	1658.5	890.7	583.6	506.8	476.1	460.7	414.6	414.6
80°	5513.1	4822.1	2042.5	1151.8	691.1	476.1	445.3	414.6	383.9	353.2	353.2
82.5°	3424.6	3378.5	1474.3	752.5	506.8	383.9	353.2	353.2	307.1	276.4	276.4
85°	1566.4	2073.2	1028.9	522.1	383.9	291.8	291.8	276.4	245.7	199.6	199.6
87.5°	491.4	691.1	537.5	230.4	215.0	168.9	168.9	153.6	153.6	122.9	122.9
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9
2.5°	9690.2	9674.8	9674.8	9613.4	9767.0	9767.0	9859.1	9782.3	9828.4	9843.7	9966.6
5°	7693.8	7816.6	7908.8	8093.1	8200.6	8246.6	8246.6	8369.5	8323.4	8415.6	8599.8
7.5°	5636.0	5789.5	6066.0	6296.3	6480.6	6542.0	6526.7	6557.4	6603.4	6496.0	6526.7
10°	4561.0	4453.5	4545.6	4760.6	4929.6	5129.2	4975.6	4960.3	5006.3	4960.3	5052.4
12.5°	3808.5	3685.6	3608.9	3608.9	3731.7	3823.9	3777.8	3854.6	4023.5	4069.6	4177.1
15°	3086.7	2979.2	2917.8	2841.0	2963.9	2994.6	3040.7	3148.2	3271.0	3332.4	3455.3
17.5°	2472.5	2472.5	2472.5	2411.0	2457.1	2503.2	2518.5	2656.7	2672.1	2733.5	2779.6
20°	2027.1	2073.2	2150.0	2180.7	2226.7	2226.7	2196.0	2272.8	2211.4	2257.5	2288.2
22.5°	1827.5	1888.9	1919.6	1935.0	1996.4	2011.7	1935.0	1950.3	1965.7	1919.6	1935.0
25°	1720.0	1750.7	1720.0	1735.3	1750.7	1720.0	1735.3	1766.0	1750.7	1781.4	1766.0
27.5°	1673.9	1643.2	1627.8	1612.5	1612.5	1581.8	1597.1	1597.1	1627.8	1643.2	1643.2
30°	1673.9	1627.8	1566.4	1520.3	1520.3	1474.3	1505.0	1535.7	1551.0	1581.8	1581.8
32.5°	1720.0	1627.8	1520.3	1474.3	1428.2	1397.5	1428.2	1474.3	1535.7	1551.0	1566.4
35°	1366.8	1412.8	1397.5	1336.0	1320.7	1320.7	1305.3	1305.3	1259.3	1259.3	1243.9
37.5°	1228.5	1213.2	1243.9	1259.3	1274.6	1228.5	1228.5	1167.1	1151.8	1167.1	1167.1
40°	1151.8	1151.8	1151.8	1197.8	1213.2	1182.5	1136.4	1105.7	1105.7	1105.7	1121.1
42.5°	1121.1	1090.3	1075.0	1105.7	1151.8	1121.1	1075.0	1059.6	1059.6	1075.0	1075.0
45°	1075.0	1059.6	1044.3	1028.9	1090.3	1044.3	1028.9	1013.6	1013.6	1013.6	1028.9
47.5°	1028.9	1013.6	982.8	982.8	998.2	982.8	967.5	967.5	967.5	998.2	998.2
50°	998.2	982.8	952.1	952.1	952.1	952.1	936.8	936.8	936.8	952.1	967.5
52.5°	952.1	936.8	921.4	906.1	906.1	906.1	906.1	906.1	906.1	921.4	936.8
55°	906.1	890.7	875.3	875.3	890.7	890.7	875.3	890.7	875.3	890.7	906.1
57.5°	860.0	844.6	829.3	844.6	860.0	844.6	844.6	844.6	844.6	844.6	860.0
60°	798.6	798.6	798.6	798.6	829.3	829.3	829.3	829.3	798.6	813.9	829.3
62.5°	767.8	752.5	752.5	767.8	783.2	783.2	798.6	783.2	767.8	783.2	783.2
65°	706.4	706.4	706.4	721.8	721.8	737.1	737.1	737.1	721.8	737.1	737.1
67.5°	660.3	660.3	660.3	660.3	691.1	691.1	691.1	691.1	675.7	675.7	691.1
70°	583.6	598.9	583.6	614.3	645.0	629.6	645.0	645.0	629.6	614.3	645.0
72.5°	537.5	537.5	537.5	537.5	583.6	583.6	583.6	598.9	583.6	568.2	583.6
75°	476.1	476.1	476.1	491.4	522.1	522.1	522.1	522.1	522.1	506.8	506.8
77.5°	414.6	430.0	414.6	430.0	460.7	445.3	460.7	476.1	460.7	445.3	445.3
80°	353.2	353.2	353.2	368.6	383.9	383.9	383.9	399.3	383.9	368.6	368.6
82.5°	276.4	276.4	291.8	291.8	307.1	307.1	307.1	322.5	307.1	291.8	291.8
85°	215.0	215.0	215.0	230.4	230.4	245.7	245.7	261.1	261.1	245.7	245.7
87.5°	138.2	122.9	138.2	138.2	153.6	153.6	138.2	122.9	138.2	122.9	107.5
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: P598990  
 CATALOG NUMBER: IFLD-L-SA8B-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9	11056.9
2.5°	10089.5	10365.9	10565.5	10703.7	10903.4	11287.3	11440.9	11717.3	11794.1	11840.1
5°	8676.6	8968.4	9398.4	9705.5	10058.7	10780.5	11333.4	11748.0	11932.3	12101.2
7.5°	6803.1	7187.0	7632.4	8031.6	8615.2	9505.9	10227.7	11087.7	11410.1	11579.1
10°	5313.5	5666.7	6158.1	6649.5	7463.4	8215.9	9244.8	10028.0	10473.4	10596.2
12.5°	4484.2	4898.8	5482.4	6081.3	6588.1	7448.1	8492.3	9628.8	10043.4	10120.2
15°	3808.5	4376.7	4975.6	5589.9	6173.5	6925.9	8047.0	9429.1	10043.4	10120.2
17.5°	3148.2	3654.9	4361.3	5021.7	5697.4	6726.3	8123.8	9598.0	10212.3	10442.7
20°	2503.2	2994.6	3547.4	4376.7	5298.1	6388.5	8292.7	10166.2	10980.2	11225.9
22.5°	2073.2	2288.2	2825.7	3624.2	4714.6	6158.1	8461.6	11056.9	11916.9	12009.1
25°	1812.1	1965.7	2303.5	3056.0	4253.8	6004.5	8860.9	12085.8	13191.5	13191.5
27.5°	1689.3	1750.7	1981.0	2656.7	3931.4	5866.3	9260.2	13222.3	14251.2	14466.2
30°	1658.5	1812.1	1935.0	2365.0	3578.1	5482.4	9628.8	14113.0	15172.6	15187.9
32.5°	1627.8	1597.1	1689.3	2057.8	3148.2	5083.1	9935.9	15019.0	15848.3	15894.3
35°	1274.6	1336.0	1489.6	1812.1	2825.7	4791.3	10089.5	15510.4	16708.3	16754.3
37.5°	1197.8	1274.6	1397.5	1673.9	2610.7	4545.6	10135.5	16462.6	17614.3	17706.5
40°	1167.1	1228.5	1320.7	1551.0	2441.7	4238.5	10227.7	17445.4	18950.4	18827.5
42.5°	1105.7	1182.5	1274.6	1489.6	2303.5	4008.1	10243.0	17982.9	19656.8	19656.8
45°	1090.3	1136.4	1243.9	1489.6	2150.0	3808.5	9997.3	18520.4	20470.7	20225.0
47.5°	1028.9	1121.1	1213.2	1443.5	1965.7	3608.9	9705.5	18796.8	20578.2	20501.4
50°	1013.6	1105.7	1259.3	1366.8	1858.2	3516.7	9644.1	19487.9	20793.2	20777.8
52.5°	982.8	1075.0	1305.3	1305.3	1720.0	3393.9	9935.9	19795.0	20839.3	20962.1
55°	936.8	1075.0	1213.2	1197.8	1597.1	3240.3	10258.4	20593.5	21653.2	21622.5
57.5°	906.1	1044.3	1151.8	1090.3	1458.9	3132.8	10734.4	21361.4	22636.0	22421.0
60°	860.0	1044.3	1028.9	1013.6	1351.4	3040.7	11133.7	21515.0	22851.0	22989.2
62.5°	829.3	1090.3	906.1	936.8	1259.3	2994.6	10964.8	20363.2	22559.2	22682.1
65°	798.6	936.8	829.3	860.0	1228.5	2902.4	10304.5	18981.1	21300.0	21837.5
67.5°	737.1	767.8	767.8	798.6	1197.8	2687.5	8953.0	16493.3	19380.4	19672.1
70°	675.7	691.1	691.1	737.1	1167.1	2441.7	7386.6	14266.5	16815.8	17368.6
72.5°	614.3	614.3	614.3	675.7	1075.0	2242.1	6081.3	10964.8	13974.7	14358.7
75°	537.5	537.5	537.5	598.9	967.5	2042.5	4791.3	8154.5	10289.1	10841.9
77.5°	476.1	476.1	460.7	537.5	844.6	1658.5	3455.3	5758.8	7248.4	7709.1
80°	399.3	383.9	383.9	430.0	660.3	1197.8	2226.7	4069.6	5052.4	5252.0
82.5°	322.5	307.1	291.8	322.5	476.1	752.5	1382.1	2841.0	3240.3	3117.4
85°	307.1	322.5	261.1	245.7	337.9	491.4	875.3	1750.7	1458.9	1458.9
87.5°	122.9	107.5	107.5	92.1	168.9	184.3	383.9	322.5	245.7	245.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)