

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: P598976

Luminaire Tested: **IFLD-S-SA6C-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: P598976
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6C-740-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (96) 4000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

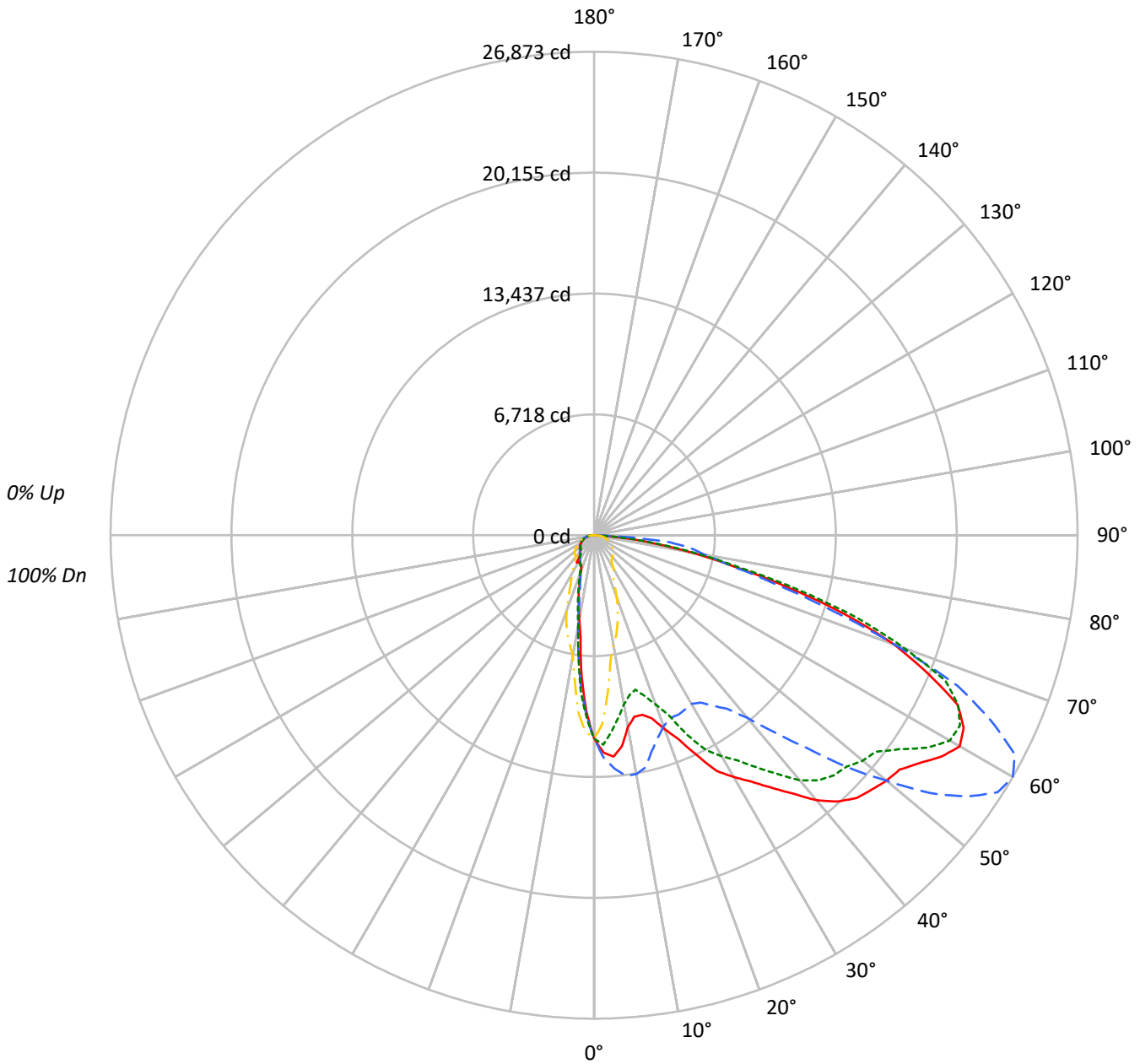
Lumens per Lamp: N/A
 Luminaire Lumens: 35344.1 lumens
 Efficiency: N/A
 Efficacy: 109.9 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 321.5
 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	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77	77	77	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60	60	60	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47	47	47	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	38	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31	31	31	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26	26	26	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22	22	22	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19	19	19	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17	17	17	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15	15	15	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	81007	81007	81007	81007
5°	88997	79058	56695	61891
10°	78830	69576	34388	36901
15°	76760	66044	24344	25276
20°	87523	76388	15924	17601
25°	106637	96830	13904	14400
30°	128486	117443	14420	13381
35°	149848	137899	11950	11263
40°	180065	166552	11162	10575
45°	209552	191413	11297	10501
50°	236822	217568	11552	10852
55°	276186	259317	11965	11377
60°	336855	327629	11926	11926
65°	378566	379100	12246	12779
70°	372051	385208	12830	13159
75°	306901	327333	13475	14345
80°	221587	232604	14902	15550
85°	122638	131670	16780	20658

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	877.0	2.5
10°-20°	1851.6	5.2
20°-30°	2709.1	7.7
30°-40°	3817.0	10.8
40°-50°	5245.6	14.8
50°-60°	7149.2	20.2
60°-70°	7824.5	22.1
70°-80°	4517.4	12.8
80°-90°	1352.8	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°	5437.7	15.4
0°-40°	9254.6	26.2
0°-60°	21649.5	61.3
0°-90°	35344.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35344.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11289	11289	11289	11289	11289	
5°	12355	10975	7871	8592	12355	1122
15°	10332	8890	3277	3402	10332	3019
25°	13468	12229	1756	1819	13468	6307
35°	17106	15742	1364	1286	17106	10846
45°	20649	18862	1113	1035	20649	15870
55°	22076	20727	956	909	22076	19919
65°	22295	22327	721	753	22295	21339
75°	11069	11806	486	517	11069	11891
85°	1490	1599	204	251	1490	2067
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°	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7
2.5°	12088.3	12041.3	12088.3	12260.8	12307.8	12386.2	12386.2	12276.5	12072.7	11978.6	11821.8
5°	12354.9	12276.5	12668.4	13029.1	13311.3	13279.9	13013.4	12793.9	12386.2	11774.8	11194.6
7.5°	11821.8	11900.2	12182.4	13123.1	13781.6	13907.1	13483.7	13044.7	12166.7	11320.1	10536.1
10°	10818.4	10928.1	11539.6	12511.7	13546.5	13750.3	13483.7	12950.7	11900.2	10849.7	9940.3
12.5°	10332.3	10583.2	10943.8	12119.7	12856.6	13342.6	13217.2	12872.3	11696.4	10457.7	9579.7
15°	10332.3	10395.0	10928.1	11915.9	12339.2	12354.9	12401.9	12464.6	11759.1	10630.2	9454.3
17.5°	10661.6	10834.0	11288.7	11900.2	11978.6	11790.4	11790.4	12057.0	11884.5	11116.2	9909.0
20°	11461.2	11398.5	11994.3	12245.1	11821.8	11351.4	11304.4	11759.1	12025.6	11633.6	10740.0
22.5°	12260.8	12543.0	13029.1	12464.6	11680.7	11053.5	10990.8	11555.3	12448.9	12527.3	11696.4
25°	13468.1	13750.3	14001.1	13311.3	11665.0	10975.1	11022.2	11461.2	12966.3	13797.3	13295.6
27.5°	14769.4	14941.9	15302.5	14236.3	12041.3	10881.1	10928.1	11586.6	13452.4	14628.3	14549.9
30°	15506.3	15694.5	15616.1	14408.8	12292.2	10943.8	10818.4	11759.1	13185.8	14628.3	15365.2
32.5°	16227.5	16117.8	16070.7	14691.0	12605.7	11335.8	11022.2	12119.7	13342.6	14863.5	16415.7
35°	17105.5	16948.8	16823.3	15239.8	13123.1	11712.0	11570.9	12590.1	13687.6	15349.5	17262.3
37.5°	18077.6	18077.6	17466.2	15647.4	13734.6	12323.5	12166.7	13264.2	14236.3	15647.4	18422.6
40°	19222.2	19269.2	18187.4	16196.2	14424.5	13295.6	13248.6	14142.3	14769.4	16086.4	19535.8
42.5°	20068.8	20100.2	18814.5	16400.0	15224.1	14644.0	14847.8	15553.3	15380.9	16478.4	19614.1
45°	20648.9	20492.2	19253.5	16980.1	16102.1	16666.5	16729.3	16933.1	16180.5	16713.6	19927.7
47.5°	20931.2	20899.8	19441.7	17654.3	17952.2	18720.5	19081.1	18798.8	16917.4	16462.7	19927.7
50°	21213.4	20946.8	19614.1	18579.3	19755.3	21307.5	21229.1	20711.7	17936.5	16776.3	19629.8
52.5°	21401.5	21166.3	19959.1	19410.3	21479.9	23235.9	23549.5	22593.1	19128.1	17356.4	19770.9
55°	22075.7	21887.6	20993.9	20539.2	23471.1	25274.2	25321.2	23988.5	20382.4	18312.8	20696.0
57.5°	22891.0	23000.8	22420.6	22138.4	24992.0	26763.7	26591.2	25023.3	21448.6	19473.0	21762.1
60°	23471.1	23643.6	23502.5	23533.8	25744.5	27265.4	26873.4	25666.2	22232.5	20351.0	23063.5
62.5°	23157.5	23502.5	24082.6	23957.2	25775.9	26904.8	26356.0	24819.5	22326.6	21495.6	24051.2
65°	22295.2	22326.6	23455.4	24145.3	24364.8	25039.0	24317.8	23047.8	21354.5	22201.1	23910.1
67.5°	20084.5	20335.4	21354.5	22702.9	21777.8	21934.6	21871.9	20037.5	19880.7	21715.1	22828.3
70°	17732.7	17905.2	19018.4	20601.9	18391.2	17654.3	17795.4	16431.4	17074.2	20209.9	20648.9
72.5°	14659.7	14769.4	16039.4	17434.8	14753.7	13436.7	13766.0	12652.8	13562.1	17685.7	17419.1
75°	11069.2	11273.0	12260.8	13907.1	10865.4	10018.7	10348.0	9893.3	10740.0	14565.6	13515.1
77.5°	7870.7	7714.0	8936.9	10881.1	8168.6	7666.9	7698.3	7776.7	8686.0	12276.5	9705.2
80°	5362.1	5409.2	6506.7	7980.5	6412.6	6334.2	6255.8	6883.0	7290.6	9720.8	7055.4
82.5°	3182.8	3182.8	4390.1	5675.7	5064.2	5707.1	5346.5	5910.9	5707.1	7149.5	4625.2
85°	1489.5	1489.5	2257.7	4092.2	3919.7	4703.6	3998.1	4468.5	4217.6	4985.8	2085.3
87.5°	250.9	219.5	454.7	2006.9	1614.9	1834.4	721.2	2383.2	2649.7	3480.7	517.4
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°	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7
2.5°	11649.3	11539.6	11320.1	11037.9	10802.7	10504.8	10410.7	10206.9	9924.7	9893.3	9767.9
5°	10975.1	10598.9	10128.5	9548.4	9156.4	8748.8	8403.8	8200.0	7964.8	7933.5	7870.7
7.5°	10238.2	9767.9	8983.9	8294.1	7619.9	6977.1	6663.5	6271.5	6005.0	5801.1	5707.1
10°	9548.4	9109.4	8137.3	7196.6	6600.8	6177.4	5801.1	5393.5	5064.2	4813.4	4719.3
12.5°	9093.7	8576.3	7525.8	6632.1	6193.1	5707.1	5283.7	4844.7	4421.4	4092.2	3919.7
15°	8889.9	8403.8	7337.7	6349.9	5707.1	5032.9	4546.8	4107.8	3590.4	3355.3	3276.9
17.5°	9375.9	8654.7	7275.0	6020.6	5111.3	4343.0	3747.2	3276.9	2900.6	2665.4	2571.3
20°	10003.1	9109.4	7384.7	5628.7	4546.8	3684.5	3026.0	2524.3	2273.4	2101.0	2085.3
22.5°	10802.7	9783.6	7557.2	5346.5	3919.7	2963.3	2367.5	2069.6	1897.1	1881.5	1850.1
25°	12229.4	11006.5	7839.4	4970.2	3418.0	2445.9	2022.6	1850.1	1771.7	1724.7	1756.0
27.5°	13452.4	11806.1	8043.2	4735.0	3214.1	2304.8	1959.8	1771.7	1693.3	1677.6	1693.3
30°	14173.6	12543.0	7980.5	4296.0	2806.5	2195.0	2085.3	2022.6	1865.8	1740.3	1740.3
32.5°	14832.1	13013.4	7964.8	3904.0	2398.9	1834.4	1740.3	1693.3	1787.4	1850.1	1803.1
35°	15741.5	13750.3	7917.8	3684.5	2226.4	1693.3	1536.5	1411.1	1348.4	1317.0	1364.1
37.5°	16713.6	14252.0	7792.4	3653.2	2132.3	1614.9	1489.5	1364.1	1301.3	1270.0	1254.3
40°	17779.7	14785.1	7651.2	3496.4	2085.3	1567.9	1442.4	1332.7	1254.3	1207.3	1191.6
42.5°	18469.6	15208.4	7510.1	3418.0	1991.2	1536.5	1395.4	1301.3	1222.9	1160.2	1160.2
45°	18861.6	15710.1	7369.0	3339.6	1881.5	1552.2	1395.4	1270.0	1175.9	1144.6	1113.2
47.5°	19034.0	16086.4	7322.0	3214.1	1787.4	1489.5	1364.1	1238.6	1144.6	1081.8	1066.2
50°	19488.7	16886.0	7494.5	3120.1	1677.6	1426.8	1442.4	1222.9	1128.9	1050.5	1034.8
52.5°	19755.3	17528.9	7870.7	2979.0	1599.2	1348.4	1411.1	1191.6	1081.8	1003.4	1003.4
55°	20727.3	18595.0	8278.4	2869.2	1505.2	1238.6	1301.3	1128.9	1003.4	956.4	956.4
57.5°	21966.0	19723.9	8623.3	2822.2	1442.4	1160.2	1160.2	1097.5	956.4	893.7	878.0
60°	22828.3	20648.9	8827.1	2790.8	1379.7	1081.8	1034.8	1097.5	909.4	846.7	831.0
62.5°	22922.4	20115.9	8623.3	2775.1	1364.1	1003.4	940.7	1050.5	862.3	799.6	768.3
65°	22326.6	19034.0	8058.9	2712.4	1348.4	925.0	878.0	909.4	799.6	752.6	721.2
67.5°	21135.0	17278.0	7243.6	2681.1	1332.7	862.3	799.6	783.9	736.9	689.9	658.5
70°	18359.8	14988.9	6287.2	2540.0	1301.3	815.3	721.2	705.5	658.5	627.2	611.5
72.5°	15412.2	12260.8	5189.7	2351.8	1238.6	736.9	658.5	627.2	611.5	564.4	548.8
75°	11806.1	9438.6	4154.9	2085.3	1081.8	658.5	580.1	548.8	533.1	501.7	486.0
77.5°	8294.1	7024.1	3073.0	1693.3	909.4	595.8	517.4	486.0	470.4	423.3	423.3
80°	5628.7	4923.1	2085.3	1175.9	705.5	486.0	454.7	423.3	392.0	360.6	360.6
82.5°	3496.4	3449.3	1505.2	768.3	517.4	392.0	360.6	360.6	313.6	282.2	282.2
85°	1599.2	2116.6	1050.5	533.1	392.0	297.9	297.9	282.2	250.9	203.8	203.8
87.5°	501.7	705.5	548.8	235.2	219.5	172.5	172.5	156.8	156.8	125.4	125.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7
2.5°	9893.3	9877.6	9877.6	9814.9	9971.7	9971.7	10065.8	9987.4	10034.4	10050.1	10175.5
5°	7855.1	7980.5	8074.6	8262.7	8372.5	8419.5	8419.5	8544.9	8497.9	8592.0	8780.1
7.5°	5754.1	5910.9	6193.1	6428.3	6616.4	6679.2	6663.5	6694.8	6741.9	6632.1	6663.5
10°	4656.6	4546.8	4640.9	4860.4	5032.9	5236.7	5079.9	5064.2	5111.3	5064.2	5158.3
12.5°	3888.3	3762.9	3684.5	3684.5	3809.9	3904.0	3857.0	3935.4	4107.8	4154.9	4264.6
15°	3151.4	3041.7	2979.0	2900.6	3026.0	3057.4	3104.4	3214.1	3339.6	3402.3	3527.7
17.5°	2524.3	2524.3	2524.3	2461.6	2508.6	2555.6	2571.3	2712.4	2728.1	2790.8	2837.9
20°	2069.6	2116.6	2195.0	2226.4	2273.4	2273.4	2242.1	2320.5	2257.7	2304.8	2336.1
22.5°	1865.8	1928.5	1959.8	1975.5	2038.2	2053.9	1975.5	1991.2	2006.9	1959.8	1975.5
25°	1756.0	1787.4	1756.0	1771.7	1787.4	1756.0	1771.7	1803.1	1787.4	1818.7	1803.1
27.5°	1709.0	1677.6	1661.9	1646.3	1646.3	1614.9	1630.6	1630.6	1661.9	1677.6	1677.6
30°	1709.0	1661.9	1599.2	1552.2	1552.2	1505.2	1536.5	1567.9	1583.6	1614.9	1614.9
32.5°	1756.0	1661.9	1552.2	1505.2	1458.1	1426.8	1458.1	1505.2	1567.9	1583.6	1599.2
35°	1395.4	1442.4	1426.8	1364.1	1348.4	1348.4	1332.7	1332.7	1285.7	1285.7	1270.0
37.5°	1254.3	1238.6	1270.0	1285.7	1301.3	1254.3	1254.3	1191.6	1175.9	1191.6	1191.6
40°	1175.9	1175.9	1175.9	1222.9	1238.6	1207.3	1160.2	1128.9	1128.9	1128.9	1144.6
42.5°	1144.6	1113.2	1097.5	1128.9	1175.9	1144.6	1097.5	1081.8	1081.8	1097.5	1097.5
45°	1097.5	1081.8	1066.2	1050.5	1113.2	1066.2	1050.5	1034.8	1034.8	1034.8	1050.5
47.5°	1050.5	1034.8	1003.4	1003.4	1019.1	1003.4	987.8	987.8	987.8	1019.1	1019.1
50°	1019.1	1003.4	972.1	972.1	972.1	972.1	956.4	956.4	956.4	972.1	987.8
52.5°	972.1	956.4	940.7	925.0	925.0	925.0	925.0	925.0	925.0	940.7	956.4
55°	925.0	909.4	893.7	893.7	909.4	909.4	893.7	909.4	893.7	909.4	925.0
57.5°	878.0	862.3	846.7	862.3	878.0	862.3	862.3	862.3	862.3	862.3	878.0
60°	815.3	815.3	815.3	815.3	846.7	846.7	846.7	846.7	815.3	831.0	846.7
62.5°	783.9	768.3	768.3	783.9	799.6	799.6	815.3	799.6	783.9	799.6	799.6
65°	721.2	721.2	721.2	736.9	736.9	752.6	752.6	752.6	736.9	752.6	752.6
67.5°	674.2	674.2	674.2	674.2	705.5	705.5	705.5	705.5	689.9	689.9	705.5
70°	595.8	611.5	595.8	627.2	658.5	642.8	658.5	658.5	642.8	627.2	658.5
72.5°	548.8	548.8	548.8	548.8	595.8	595.8	595.8	611.5	595.8	580.1	595.8
75°	486.0	486.0	486.0	501.7	533.1	533.1	533.1	533.1	533.1	517.4	517.4
77.5°	423.3	439.0	423.3	439.0	470.4	454.7	470.4	486.0	470.4	454.7	454.7
80°	360.6	360.6	360.6	376.3	392.0	392.0	392.0	407.6	392.0	376.3	376.3
82.5°	282.2	282.2	297.9	297.9	313.6	313.6	313.6	329.3	313.6	297.9	297.9
85°	219.5	219.5	219.5	235.2	235.2	250.9	250.9	266.5	266.5	250.9	250.9
87.5°	141.1	125.4	141.1	141.1	156.8	156.8	141.1	125.4	141.1	125.4	109.8
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: P598976
 CATALOG NUMBER: IFLD-S-SA6C-740-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7	11288.7
2.5°	10301.0	10583.2	10787.0	10928.1	11131.9	11523.9	11680.7	11962.9	12041.3	12088.3
5°	8858.5	9156.4	9595.4	9909.0	10269.6	11006.5	11570.9	11994.3	12182.4	12354.9
7.5°	6945.7	7337.7	7792.4	8200.0	8795.8	9705.2	10442.1	11320.1	11649.3	11821.8
10°	5424.9	5785.5	6287.2	6788.9	7619.9	8388.1	9438.6	10238.2	10692.9	10818.4
12.5°	4578.2	5001.5	5597.3	6208.8	6726.2	7604.2	8670.4	9830.6	10253.9	10332.3
15°	3888.3	4468.5	5079.9	5707.1	6302.9	7071.1	8215.7	9626.8	10253.9	10332.3
17.5°	3214.1	3731.5	4452.8	5127.0	5816.8	6867.3	8294.1	9799.2	10426.4	10661.6
20°	2555.6	3057.4	3621.8	4468.5	5409.2	6522.4	8466.5	10379.3	11210.3	11461.2
22.5°	2116.6	2336.1	2884.9	3700.2	4813.4	6287.2	8639.0	11288.7	12166.7	12260.8
25°	1850.1	2006.9	2351.8	3120.1	4343.0	6130.4	9046.7	12339.2	13468.1	13468.1
27.5°	1724.7	1787.4	2022.6	2712.4	4013.8	5989.3	9454.3	13499.4	14549.9	14769.4
30°	1693.3	1850.1	1975.5	2414.5	3653.2	5597.3	9830.6	14408.8	15490.6	15506.3
32.5°	1661.9	1630.6	1724.7	2101.0	3214.1	5189.7	10144.2	15333.8	16180.5	16227.5
35°	1301.3	1364.1	1520.8	1850.1	2884.9	4891.8	10301.0	15835.6	17058.5	17105.5
37.5°	1222.9	1301.3	1426.8	1709.0	2665.4	4640.9	10348.0	16807.6	17983.6	18077.6
40°	1191.6	1254.3	1348.4	1583.6	2492.9	4327.3	10442.1	17811.1	19347.6	19222.2
42.5°	1128.9	1207.3	1301.3	1520.8	2351.8	4092.2	10457.7	18359.8	20068.8	20068.8
45°	1113.2	1160.2	1270.0	1520.8	2195.0	3888.3	10206.9	18908.6	20899.8	20648.9
47.5°	1050.5	1144.6	1238.6	1473.8	2006.9	3684.5	9909.0	19190.8	21009.6	20931.2
50°	1034.8	1128.9	1285.7	1395.4	1897.1	3590.4	9846.3	19896.4	21229.1	21213.4
52.5°	1003.4	1097.5	1332.7	1332.7	1756.0	3465.0	10144.2	20209.9	21276.1	21401.5
55°	956.4	1097.5	1238.6	1222.9	1630.6	3308.2	10473.4	21025.2	22107.1	22075.7
57.5°	925.0	1066.2	1175.9	1113.2	1489.5	3198.5	10959.5	21809.2	23110.5	22891.0
60°	878.0	1066.2	1050.5	1034.8	1379.7	3104.4	11367.1	21966.0	23330.0	23471.1
62.5°	846.7	1113.2	925.0	956.4	1285.7	3057.4	11194.6	20790.1	23032.1	23157.5
65°	815.3	956.4	846.7	878.0	1254.3	2963.3	10520.5	19379.0	21746.5	22295.2
67.5°	752.6	783.9	783.9	815.3	1222.9	2743.8	9140.7	16839.0	19786.6	20084.5
70°	689.9	705.5	705.5	752.6	1191.6	2492.9	7541.5	14565.6	17168.3	17732.7
72.5°	627.2	627.2	627.2	689.9	1097.5	2289.1	6208.8	11194.6	14267.7	14659.7
75°	548.8	548.8	548.8	611.5	987.8	2085.3	4891.8	8325.4	10504.8	11069.2
77.5°	486.0	486.0	470.4	548.8	862.3	1693.3	3527.7	5879.5	7400.4	7870.7
80°	407.6	392.0	392.0	439.0	674.2	1222.9	2273.4	4154.9	5158.3	5362.1
82.5°	329.3	313.6	297.9	329.3	486.0	768.3	1411.1	2900.6	3308.2	3182.8
85°	313.6	329.3	266.5	250.9	344.9	501.7	893.7	1787.4	1489.5	1489.5
87.5°	125.4	109.8	109.8	94.1	172.5	188.1	392.0	329.3	250.9	250.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)