

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: P598978

Luminaire Tested: **IFLD-S-SA6E-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: P598978  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6E-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**

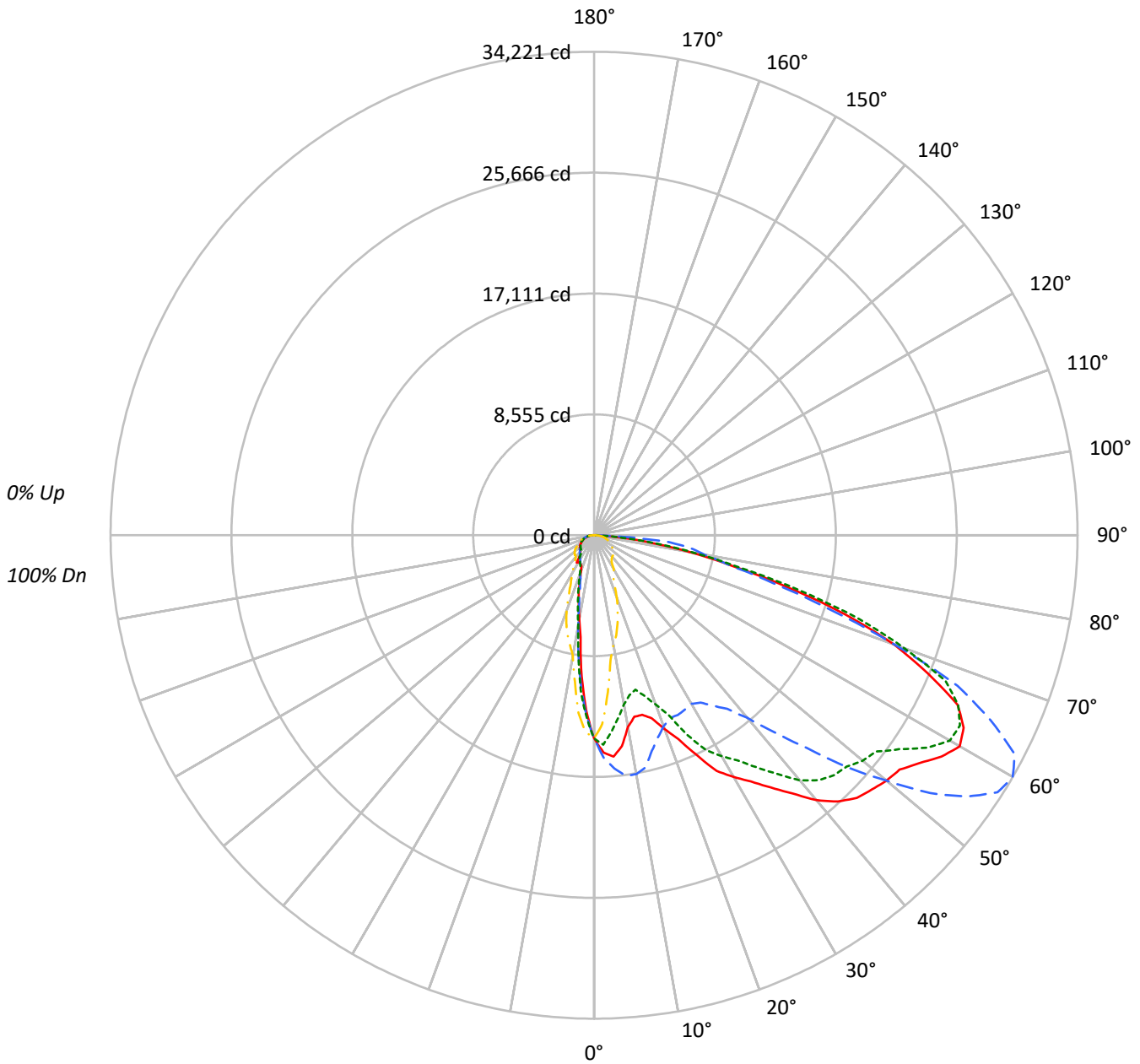
Lumens per Lamp: N/A  
 Luminaire Lumens: 45008.0 lumens  
 Efficiency: N/A  
 Efficacy: 97.0 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 464.2  
 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°

TEST NUMBER: P598978

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15

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

	0°	90°	180°	270°
0°	103156	103156	103156	103156
5°	113330	100674	72198	78813
10°	100383	88599	43791	46991
15°	97747	84101	31000	32187
20°	111454	97274	20278	22413
25°	135794	123305	17706	18338
30°	163617	149555	18364	17040
35°	190820	175603	15216	14342
40°	229297	212091	14214	13466
45°	266848	243749	14386	13372
50°	301574	277055	14711	13820
55°	351702	330220	15237	14488
60°	428958	417209	15187	15187
65°	482075	482752	15594	16273
70°	473777	490533	16338	16755
75°	390816	416834	17159	18268
80°	282177	296202	18976	19803
85°	156164	167675	21374	26306

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1116.8	2.5
10°-20°	2357.9	5.2
20°-30°	3449.8	7.7
30°-40°	4860.6	10.8
40°-50°	6679.9	14.8
50°-60°	9104.0	20.2
60°-70°	9963.9	22.1
70°-80°	5752.5	12.8
80°-90°	1722.6	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°	6924.5	15.4
0°-40°	11785.1	26.2
0°-60°	27568.9	61.3
0°-90°	45008.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	45008.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	14375	14375	14375	14375	14375	
5°	15733	13976	10023	10941	15733	1429
15°	13157	11320	4173	4333	13157	3844
25°	17150	15573	2236	2316	17150	8031
35°	21783	20046	1737	1637	21783	13812
45°	26295	24019	1418	1318	26295	20210
55°	28112	26395	1218	1158	28112	25365
65°	28391	28431	918	958	28391	27173
75°	14096	15034	619	659	14096	15142
85°	1897	2036	260	320	1897	2632
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°	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3
2.5°	15393.5	15333.6	15393.5	15613.2	15673.1	15772.9	15772.9	15633.1	15373.6	15253.8	15054.1
5°	15733.0	15633.1	16132.3	16591.5	16950.9	16910.9	16571.5	16292.0	15772.9	14994.2	14255.5
7.5°	15054.1	15154.0	15513.3	16711.3	17549.8	17709.6	17170.5	16611.4	15493.4	14415.2	13416.9
10°	13776.3	13916.1	14694.7	15932.6	17250.4	17509.9	17170.5	16491.7	15154.0	13816.3	12658.2
12.5°	13157.4	13476.8	13936.0	15433.5	16371.9	16990.8	16831.1	16391.8	14894.4	13317.1	12199.0
15°	13157.4	13237.2	13916.1	15173.9	15713.0	15733.0	15792.9	15872.7	14974.3	13536.7	12039.3
17.5°	13576.7	13796.3	14375.3	15154.0	15253.8	15014.2	15014.2	15353.6	15134.0	14155.7	12618.3
20°	14594.9	14515.1	15273.7	15593.2	15054.1	14455.2	14395.3	14974.3	15313.7	14814.5	13676.5
22.5°	15613.2	15972.5	16591.5	15872.7	14874.4	14075.8	13995.9	14714.7	15852.8	15952.6	14894.4
25°	17150.5	17509.9	17829.4	16950.9	14854.5	13976.0	14035.9	14594.9	16511.6	17569.8	16930.9
27.5°	18807.7	19027.3	19486.5	18128.8	15333.6	13856.2	13916.1	14754.6	17130.6	18628.0	18528.2
30°	19746.1	19985.6	19885.8	18348.5	15653.1	13936.0	13776.3	14974.3	16791.1	18628.0	19566.4
32.5°	20664.5	20524.7	20464.8	18707.8	16052.4	14435.2	14035.9	15433.5	16990.8	18927.5	20904.1
35°	21782.6	21582.9	21423.2	19406.6	16711.3	14914.4	14734.7	16032.4	17430.0	19546.4	21982.2
37.5°	23020.4	23020.4	22241.8	19925.8	17489.9	15693.0	15493.4	16891.0	18128.8	19925.8	23459.7
40°	24477.9	24537.8	23160.2	20624.6	18368.4	16930.9	16871.0	18009.0	18807.7	20484.8	24877.2
42.5°	25556.1	25596.0	23958.8	20884.1	19386.7	18647.9	18907.5	19806.0	19586.3	20983.9	24977.1
45°	26294.8	26095.1	24517.9	21622.8	20504.8	21223.5	21303.4	21562.9	20604.6	21283.4	25376.4
47.5°	26654.2	26614.3	24757.4	22481.4	22860.7	23839.0	24298.2	23938.9	21543.0	20964.0	25376.4
50°	27013.6	26674.2	24977.1	23659.3	25156.8	27133.4	27033.5	26374.7	22840.7	21363.3	24997.0
52.5°	27253.2	26953.7	25416.3	24717.5	27353.0	29589.1	29988.5	28770.6	24358.1	22102.0	25176.7
55°	28111.7	27872.1	26734.1	26155.0	29888.6	32184.7	32244.6	30547.5	25955.4	23319.9	26354.7
57.5°	29149.9	29289.7	28550.9	28191.5	31825.3	34081.4	33861.8	31865.2	27313.1	24797.4	27712.4
60°	29888.6	30108.3	29928.6	29968.5	32783.7	34720.3	34221.2	32683.8	28311.3	25915.5	29369.5
62.5°	29489.3	29928.6	30667.3	30507.6	32823.6	34261.1	33562.3	31605.7	28431.1	27373.0	30627.4
65°	28391.2	28431.1	29868.7	30747.2	31026.7	31885.2	30966.8	29349.6	27193.3	28271.4	30447.7
67.5°	25576.0	25895.5	27193.3	28910.3	27732.3	27932.0	27852.1	25516.1	25316.5	27652.5	29070.0
70°	22581.2	22800.8	24218.4	26234.9	23419.7	22481.4	22661.1	20924.0	21742.6	25735.8	26294.8
72.5°	18667.9	18807.7	20424.9	22201.8	18787.7	17110.6	17529.9	16112.3	17270.3	22521.3	22181.9
75°	14095.8	14355.3	15613.2	17709.6	13836.2	12758.1	13177.4	12598.3	13676.5	18548.1	17210.4
77.5°	10022.8	9823.1	11380.4	13856.2	10402.1	9763.2	9803.2	9903.0	11061.0	15633.1	12358.8
80°	6828.3	6888.2	8285.8	10162.5	8166.0	8066.1	7966.3	8764.9	9284.0	12378.7	8984.6
82.5°	4053.0	4053.0	5590.4	7227.6	6448.9	7267.5	6808.3	7527.1	7267.5	9104.4	5889.9
85°	1896.7	1896.7	2875.1	5211.0	4991.4	5989.7	5091.2	5690.2	5370.8	6349.1	2655.4
87.5°	319.5	279.5	579.0	2555.6	2056.5	2336.0	918.4	3034.8	3374.2	4432.4	658.9
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°	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3
2.5°	14834.5	14694.7	14415.2	14055.8	13756.4	13377.0	13257.2	12997.7	12638.3	12598.3	12438.6
5°	13976.0	13496.8	12897.8	12159.1	11660.0	11140.9	10701.6	10442.1	10142.6	10102.6	10022.8
7.5°	13037.6	12438.6	11440.3	10561.8	9703.3	8884.7	8485.4	7986.3	7646.9	7387.3	7267.5
10°	12159.1	11600.1	10362.2	9164.2	8405.6	7866.5	7387.3	6868.2	6448.9	6129.5	6009.7
12.5°	11580.1	10921.2	9583.5	8445.5	7886.4	7267.5	6728.4	6169.4	5630.3	5211.0	4991.4
15°	11320.5	10701.6	9343.9	8086.1	7267.5	6409.0	5790.0	5231.0	4572.1	4272.7	4172.8
17.5°	11939.5	11021.1	9264.1	7666.8	6508.8	5530.5	4771.8	4172.8	3693.7	3394.2	3274.4
20°	12738.1	11600.1	9403.8	7167.7	5790.0	4691.9	3853.4	3214.5	2895.0	2675.4	2655.4
22.5°	13756.4	12458.6	9623.5	6808.3	4991.4	3773.5	3014.8	2635.5	2415.8	2395.9	2356.0
25°	15573.2	14015.9	9982.8	6329.1	4352.5	3114.6	2575.6	2356.0	2256.1	2196.2	2236.2
27.5°	17130.6	15034.2	10242.4	6029.6	4093.0	2935.0	2495.7	2256.1	2156.3	2136.3	2156.3
30°	18049.0	15972.5	10162.5	5470.6	3573.9	2795.2	2655.4	2575.6	2375.9	2216.2	2216.2
32.5°	18887.5	16571.5	10142.6	4971.5	3054.7	2336.0	2216.2	2156.3	2276.1	2356.0	2296.1
35°	20045.5	17509.9	10082.7	4691.9	2835.1	2156.3	1956.6	1796.9	1717.0	1677.1	1737.0
37.5°	21283.4	18148.8	9922.9	4652.0	2715.3	2056.5	1896.7	1737.0	1657.2	1617.2	1597.3
40°	22641.1	18827.6	9743.3	4452.3	2655.4	1996.6	1836.8	1697.1	1597.3	1537.4	1517.4
42.5°	23519.6	19366.7	9563.6	4352.5	2535.6	1956.6	1776.9	1657.2	1557.3	1477.5	1477.5
45°	24018.7	20005.6	9383.9	4252.7	2395.9	1976.6	1776.9	1617.2	1497.4	1457.5	1417.6
47.5°	24238.3	20484.8	9324.0	4093.0	2276.1	1896.7	1737.0	1577.3	1457.5	1377.6	1357.7
50°	24817.3	21503.0	9543.6	3973.2	2136.3	1816.9	1836.8	1557.3	1437.5	1337.7	1317.7
52.5°	25156.8	22321.6	10022.8	3793.5	2036.5	1717.0	1796.9	1517.4	1377.6	1277.8	1277.8
55°	26394.6	23679.3	10541.9	3653.7	1916.7	1577.3	1657.2	1437.5	1277.8	1217.9	1217.9
57.5°	27971.9	25116.8	10981.1	3593.8	1836.8	1477.5	1477.5	1397.6	1217.9	1138.0	1118.1
60°	29070.0	26294.8	11240.7	3553.9	1757.0	1377.6	1317.7	1397.6	1158.0	1078.1	1058.2
62.5°	29189.8	25616.0	10981.1	3533.9	1737.0	1277.8	1197.9	1337.7	1098.1	1018.2	978.3
65°	28431.1	24238.3	10262.4	3454.1	1717.0	1178.0	1118.1	1158.0	1018.2	958.4	918.4
67.5°	26913.7	22002.2	9224.1	3414.1	1697.1	1098.1	1018.2	998.3	938.4	878.5	838.6
70°	23379.8	19087.2	8006.2	3234.4	1657.2	1038.2	918.4	898.5	838.6	798.6	778.7
72.5°	19626.3	15613.2	6608.6	2994.9	1577.3	938.4	838.6	798.6	778.7	718.8	698.8
75°	15034.2	12019.3	5290.9	2655.4	1377.6	838.6	738.7	698.8	678.8	638.9	618.9
77.5°	10561.8	8944.6	3913.3	2156.3	1158.0	758.7	658.9	618.9	599.0	539.1	539.1
80°	7167.7	6269.2	2655.4	1497.4	898.5	618.9	579.0	539.1	499.1	459.2	459.2
82.5°	4452.3	4392.5	1916.7	978.3	658.9	499.1	459.2	459.2	399.3	359.4	359.4
85°	2036.5	2695.4	1337.7	678.8	499.1	379.3	379.3	359.4	319.5	259.6	259.6
87.5°	638.9	898.5	698.8	299.5	279.5	219.6	219.6	199.7	199.7	159.7	159.7
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°	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3
2.5°	12598.3	12578.4	12578.4	12498.5	12698.2	12698.2	12818.0	12718.1	12778.0	12798.0	12957.7
5°	10002.8	10162.5	10282.3	10521.9	10661.7	10721.6	10721.6	10881.3	10821.4	10941.2	11180.8
7.5°	7327.4	7527.1	7886.4	8185.9	8425.5	8505.4	8485.4	8525.3	8585.2	8445.5	8485.4
10°	5929.8	5790.0	5909.8	6189.4	6409.0	6668.5	6468.9	6448.9	6508.8	6448.9	6568.7
12.5°	4951.5	4791.8	4691.9	4691.9	4851.7	4971.5	4911.6	5011.4	5231.0	5290.9	5430.7
15°	4013.1	3873.3	3793.5	3693.7	3853.4	3893.3	3953.2	4093.0	4252.7	4332.6	4492.3
17.5°	3214.5	3214.5	3214.5	3134.6	3194.5	3254.4	3274.4	3454.1	3474.0	3553.9	3613.8
20°	2635.5	2695.4	2795.2	2835.1	2895.0	2895.0	2855.1	2954.9	2875.1	2935.0	2974.9
22.5°	2375.9	2455.8	2495.7	2515.7	2595.5	2615.5	2515.7	2535.6	2555.6	2495.7	2515.7
25°	2236.2	2276.1	2236.2	2256.1	2276.1	2236.2	2256.1	2296.1	2276.1	2316.0	2296.1
27.5°	2176.3	2136.3	2116.4	2096.4	2096.4	2056.5	2076.4	2076.4	2116.4	2136.3	2136.3
30°	2176.3	2116.4	2036.5	1976.6	1976.6	1916.7	1956.6	1996.6	2016.5	2056.5	2056.5
32.5°	2236.2	2116.4	1976.6	1916.7	1856.8	1816.9	1856.8	1916.7	1996.6	2016.5	2036.5
35°	1776.9	1836.8	1816.9	1737.0	1717.0	1717.0	1697.1	1697.1	1637.2	1637.2	1617.2
37.5°	1597.3	1577.3	1617.2	1637.2	1657.2	1597.3	1597.3	1517.4	1497.4	1517.4	1517.4
40°	1497.4	1497.4	1497.4	1557.3	1577.3	1537.4	1477.5	1437.5	1437.5	1437.5	1457.5
42.5°	1457.5	1417.6	1397.6	1437.5	1497.4	1457.5	1397.6	1377.6	1377.6	1397.6	1397.6
45°	1397.6	1377.6	1357.7	1337.7	1417.6	1357.7	1337.7	1317.7	1317.7	1317.7	1337.7
47.5°	1337.7	1317.7	1277.8	1277.8	1297.8	1277.8	1257.8	1257.8	1257.8	1297.8	1297.8
50°	1297.8	1277.8	1237.9	1237.9	1237.9	1237.9	1217.9	1217.9	1217.9	1237.9	1257.8
52.5°	1237.9	1217.9	1197.9	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0	1197.9	1217.9
55°	1178.0	1158.0	1138.0	1138.0	1158.0	1158.0	1138.0	1158.0	1138.0	1158.0	1178.0
57.5°	1118.1	1098.1	1078.1	1098.1	1118.1	1098.1	1098.1	1098.1	1098.1	1098.1	1118.1
60°	1038.2	1038.2	1038.2	1038.2	1078.1	1078.1	1078.1	1078.1	1038.2	1058.2	1078.1
62.5°	998.3	978.3	978.3	998.3	1018.2	1018.2	1038.2	1018.2	998.3	1018.2	1018.2
65°	918.4	918.4	918.4	938.4	938.4	958.4	958.4	958.4	938.4	958.4	958.4
67.5°	858.5	858.5	858.5	858.5	898.5	898.5	898.5	898.5	878.5	878.5	898.5
70°	758.7	778.7	758.7	798.6	838.6	818.6	838.6	838.6	818.6	798.6	838.6
72.5°	698.8	698.8	698.8	698.8	758.7	758.7	758.7	778.7	758.7	738.7	758.7
75°	618.9	618.9	618.9	638.9	678.8	678.8	678.8	678.8	678.8	658.9	658.9
77.5°	539.1	559.0	539.1	559.0	599.0	579.0	599.0	618.9	599.0	579.0	579.0
80°	459.2	459.2	459.2	479.2	499.1	499.1	499.1	519.1	499.1	479.2	479.2
82.5°	359.4	359.4	379.3	379.3	399.3	399.3	399.3	419.3	399.3	379.3	379.3
85°	279.5	279.5	279.5	299.5	299.5	319.5	319.5	339.4	339.4	319.5	319.5
87.5°	179.7	159.7	179.7	179.7	199.7	199.7	179.7	159.7	179.7	159.7	139.8
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: P598978  
 CATALOG NUMBER: IFLD-S-SA6E-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3	14375.3
2.5°	13117.5	13476.8	13736.4	13916.1	14175.6	14674.8	14874.4	15233.8	15333.6	15393.5
5°	11280.6	11660.0	12219.0	12618.3	13077.5	14015.9	14734.7	15273.7	15513.3	15733.0
7.5°	8844.8	9343.9	9922.9	10442.1	11200.7	12358.8	13297.1	14415.2	14834.5	15054.1
10°	6908.1	7367.3	8006.2	8645.1	9703.3	10681.6	12019.3	13037.6	13616.6	13776.3
12.5°	5830.0	6369.1	7127.7	7906.4	8565.3	9683.4	11041.0	12518.5	13057.6	13157.4
15°	4951.5	5690.2	6468.9	7267.5	8026.2	9004.5	10462.0	12258.9	13057.6	13157.4
17.5°	4093.0	4751.8	5670.3	6528.8	7407.3	8745.0	10561.8	12478.6	13277.2	13576.7
20°	3254.4	3893.3	4612.1	5690.2	6888.2	8305.7	10781.5	13217.3	14275.5	14594.9
22.5°	2695.4	2974.9	3673.7	4711.9	6129.5	8006.2	11001.1	14375.3	15493.4	15613.2
25°	2356.0	2555.6	2994.9	3973.2	5530.5	7806.6	11520.2	15713.0	17150.5	17150.5
27.5°	2196.2	2276.1	2575.6	3454.1	5111.2	7626.9	12039.3	17190.5	18528.2	18807.7
30°	2156.3	2356.0	2515.7	3074.7	4652.0	7127.7	12518.5	18348.5	19726.1	19746.1
32.5°	2116.4	2076.4	2196.2	2675.4	4093.0	6608.6	12917.8	19526.4	20604.6	20664.5
35°	1657.2	1737.0	1936.7	2356.0	3673.7	6229.3	13117.5	20165.3	21722.7	21782.6
37.5°	1557.3	1657.2	1816.9	2176.3	3394.2	5909.8	13177.4	21403.2	22900.6	23020.4
40°	1517.4	1597.3	1717.0	2016.5	3174.5	5510.5	13297.1	22681.0	24637.7	24477.9
42.5°	1437.5	1537.4	1657.2	1936.7	2994.9	5211.0	13317.1	23379.8	25556.1	25556.1
45°	1417.6	1477.5	1617.2	1936.7	2795.2	4951.5	12997.7	24078.6	26614.3	26294.8
47.5°	1337.7	1457.5	1577.3	1876.8	2555.6	4691.9	12618.3	24438.0	26754.0	26654.2
50°	1317.7	1437.5	1637.2	1776.9	2415.8	4572.1	12538.4	25336.5	27033.5	27013.6
52.5°	1277.8	1397.6	1697.1	1697.1	2236.2	4412.4	12917.8	25735.8	27093.4	27253.2
55°	1217.9	1397.6	1577.3	1557.3	2076.4	4212.8	13337.1	26774.0	28151.6	28111.7
57.5°	1178.0	1357.7	1497.4	1417.6	1896.7	4073.0	13956.0	27772.3	29429.4	29149.9
60°	1118.1	1357.7	1337.7	1317.7	1757.0	3953.2	14475.1	27971.9	29708.9	29888.6
62.5°	1078.1	1417.6	1178.0	1217.9	1637.2	3893.3	14255.5	26474.5	29329.6	29489.3
65°	1038.2	1217.9	1078.1	1118.1	1597.3	3773.5	13397.0	24677.6	27692.4	28391.2
67.5°	958.4	998.3	998.3	1038.2	1557.3	3494.0	11640.0	21443.1	25196.7	25576.0
70°	878.5	898.5	898.5	958.4	1517.4	3174.5	9603.5	18548.1	21862.4	22581.2
72.5°	798.6	798.6	798.6	878.5	1397.6	2915.0	7906.4	14255.5	18168.8	18667.9
75°	698.8	698.8	698.8	778.7	1257.8	2655.4	6229.3	10601.8	13377.0	14095.8
77.5°	618.9	618.9	599.0	698.8	1098.1	2156.3	4492.3	7487.1	9423.8	10022.8
80°	519.1	499.1	499.1	559.0	858.5	1557.3	2895.0	5290.9	6568.7	6828.3
82.5°	419.3	399.3	379.3	419.3	618.9	978.3	1796.9	3693.7	4212.8	4053.0
85°	399.3	419.3	339.4	319.5	439.2	638.9	1138.0	2276.1	1896.7	1896.7
87.5°	159.7	139.8	139.8	119.8	219.6	239.6	499.1	419.3	319.5	319.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)