

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: P598772

Luminaire Tested: **IFLD-S-SA6B-760-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P598772
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6B-760-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (96) 5700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

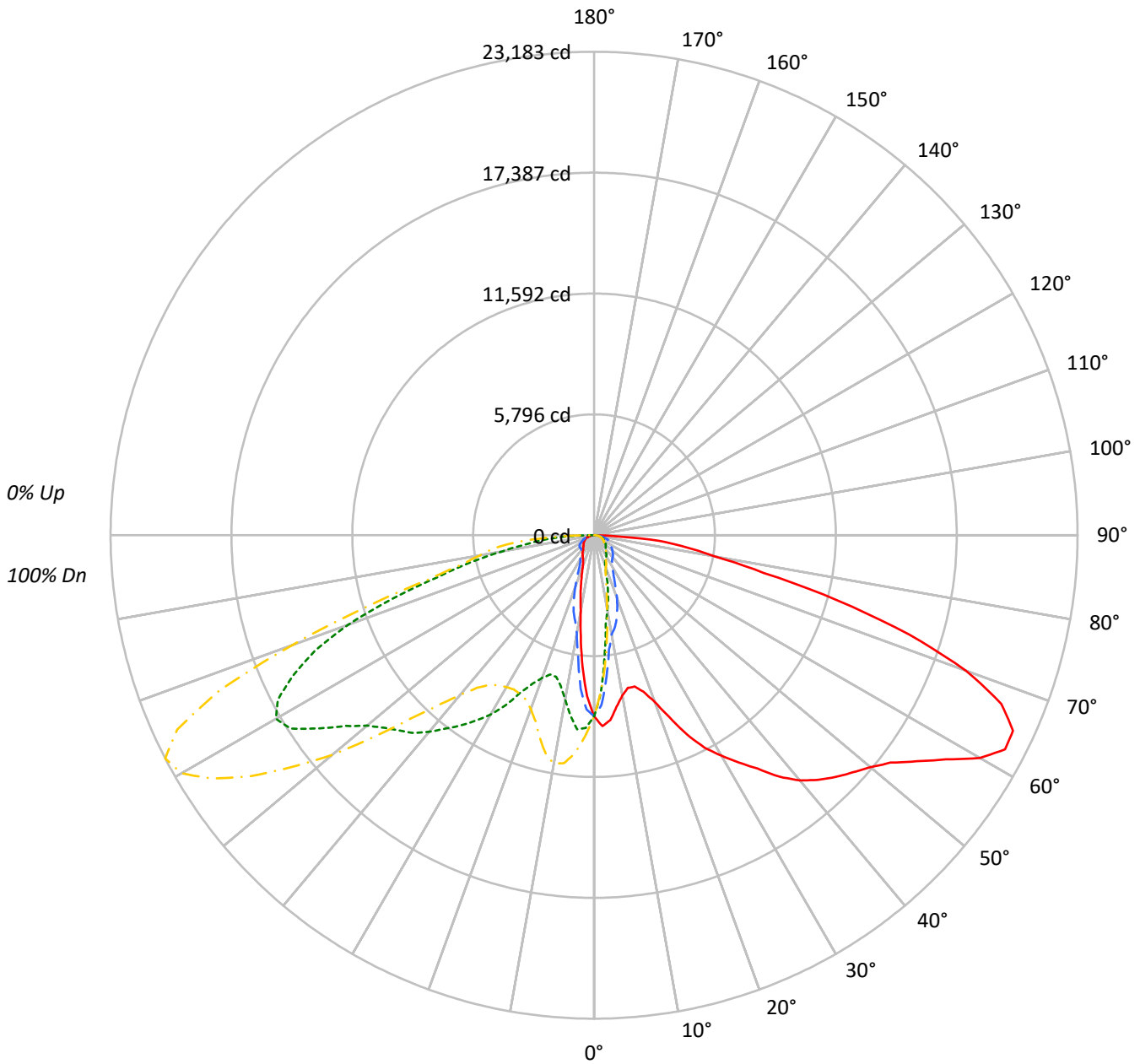
Lumens per Lamp: N/A
 Luminaire Lumens: 29042.2 lumens
 Efficiency: N/A
 Efficacy: 118.6 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 244.9
 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

TEST NUMBER: P598772
CATALOG NUMBER: IFLD-S-SA6B-760-U-SLR

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°

TEST NUMBER: P598772

CATALOG NUMBER: IFLD-S-SA6B-760-U-SLR

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	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77			77	
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59			59	
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46			46	
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36			36	
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30			30	
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25			25	
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21			21	
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18			18	
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16			16	
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14			14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	62254	62254	62254	62254
5°	64067	41661	45512	67306
10°	56840	26472	26738	58169
15°	55785	18776	17782	52174
20°	64858	11877	11969	55579
25°	83410	10198	9909	65708
30°	101083	9665	9061	82255
35°	119639	8515	8196	97499
40°	143755	8081	7512	115186
45°	166341	8015	7275	134282
50°	193159	8138	7325	158569
55°	236380	8361	7449	202026
60°	306563	8370	7848	252679
65°	376313	8459	8047	270475
70°	398199	8923	8413	263342
75°	335196	9432	8423	214930
80°	243526	11046	8538	185783
85°	258103	16006	7007	193075

TEST NUMBER: P598772
 CATALOG NUMBER: IFLD-S-SA6B-760-U-SLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.4	2.3
10°-20°	1405.2	4.8
20°-30°	2025.0	7.0
30°-40°	2915.2	10.0
40°-50°	4140.8	14.3
50°-60°	5953.3	20.5
60°-70°	6878.0	23.7
70°-80°	3894.5	13.4
80°-90°	1159.0	4.0
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°	4101.6	14.1
0°-40°	7016.7	24.2
0°-60°	17110.8	58.9
0°-90°	29042.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29042.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8675	8675	8675	8675	8675	
5°	8894	5784	6318	9344	8894	807
15°	7509	2527	2394	7023	7509	2208
25°	10534	1288	1252	8299	10534	4890
35°	13657	972	936	11130	13657	8668
45°	16391	790	717	13232	16391	12692
55°	18894	668	595	16148	18894	17111
65°	22162	498	474	15929	22162	21252
75°	12090	340	304	7752	12090	12828
85°	3135	194	85	2345	3135	3122
90°	0	0	0	0	0	

TEST NUMBER: P598772
 CATALOG NUMBER: IFLD-S-SA6B-760-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4
2.5°	9161.5	9149.3	9076.4	8845.5	8602.5	8371.7	8153.0	7922.1	7800.6	7654.8	7594.0
5°	8894.1	8869.8	8663.3	8153.0	7703.4	7217.4	6804.3	6476.2	6208.9	5941.6	5844.4
7.5°	8286.6	8250.2	8007.2	7302.4	6646.3	6014.5	5516.3	5091.0	4738.7	4580.7	4398.5
10°	7800.6	7739.9	7423.9	6646.3	5795.8	5164.0	4835.9	4544.3	4240.5	3985.4	3718.0
12.5°	7496.8	7423.9	7095.9	6184.6	5358.4	4884.5	4544.3	4216.2	3839.6	3523.6	3232.0
15°	7509.0	7423.9	7023.0	6063.1	5249.0	4641.5	4167.6	3718.0	3280.6	2928.3	2600.2
17.5°	7861.4	7752.0	7326.7	6233.2	5164.0	4325.6	3693.7	3110.5	2612.4	2235.7	1968.4
20°	8493.2	8420.3	7934.3	6488.4	5078.9	3985.4	3207.7	2503.0	1980.5	1688.9	1579.6
22.5°	9440.9	9355.9	8833.4	6877.2	5054.6	3681.6	2685.3	1968.4	1591.7	1470.2	1409.5
25°	10534.5	10376.5	9890.5	7533.3	5103.2	3402.1	2260.0	1628.2	1421.6	1336.6	1300.1
27.5°	11482.2	11385.0	10838.2	8153.0	5127.5	3183.4	1968.4	1482.4	1324.4	1251.5	1227.2
30°	12199.1	12162.6	11628.0	8833.4	5066.7	2916.1	1786.1	1421.6	1324.4	1251.5	1178.6
32.5°	12916.0	12928.1	12357.0	9355.9	4981.7	2685.3	1616.0	1263.6	1166.4	1117.8	1130.0
35°	13657.1	13717.9	13231.9	9866.2	4799.4	2600.2	1494.5	1178.6	1093.5	1020.6	984.2
37.5°	14592.7	14750.7	14276.8	10437.3	4617.2	2527.3	1433.8	1117.8	1032.8	972.0	923.4
40°	15346.1	15637.7	15358.2	10971.9	4495.7	2442.2	1385.2	1057.1	996.3	923.4	887.0
42.5°	15905.0	16245.2	16148.0	11385.0	4495.7	2357.2	1336.6	1020.6	972.0	887.0	838.4
45°	16391.0	16743.4	16731.2	11810.3	4592.9	2308.6	1275.8	1020.6	947.7	862.7	814.1
47.5°	16828.4	17180.8	17302.3	12344.9	4750.8	2284.3	1202.9	996.3	947.7	850.5	777.6
50°	17302.3	17691.1	18055.6	13195.4	4945.2	2223.5	1154.3	959.9	959.9	838.4	753.3
52.5°	17909.8	18347.2	19015.5	14252.5	5139.7	2114.2	1081.4	935.6	959.9	826.2	729.0
55°	18894.0	19258.5	20133.3	15516.2	5382.7	1980.5	1020.6	874.8	911.3	789.8	692.6
57.5°	19999.7	20315.6	21044.6	16488.2	5455.6	1810.4	935.6	814.1	874.8	753.3	644.0
60°	21360.5	21518.5	21518.5	16767.7	5212.6	1652.5	874.8	765.5	789.8	716.9	607.5
62.5°	22223.2	22223.2	21518.5	16257.3	4750.8	1518.8	826.2	716.9	692.6	668.3	571.1
65°	22162.5	22065.3	21020.3	14775.0	4216.2	1433.8	777.6	656.1	619.7	607.5	534.6
67.5°	21141.8	20971.7	19550.1	12685.1	3657.3	1397.3	729.0	595.4	571.1	546.8	486.0
70°	18979.0	18541.6	16792.0	10206.4	3110.5	1373.0	716.9	546.8	522.5	498.2	449.6
72.5°	15844.2	15285.3	13110.4	7849.2	2612.4	1288.0	680.4	486.0	473.9	449.6	401.0
75°	12089.7	11056.9	9149.3	6002.3	2029.1	1117.8	583.2	425.3	425.3	413.1	364.5
77.5°	8335.2	7800.6	6379.0	4434.9	1482.4	862.7	473.9	376.7	376.7	388.8	340.2
80°	5893.0	5394.8	4544.3	3183.4	935.6	583.2	364.5	315.9	352.4	376.7	315.9
82.5°	4507.8	4143.3	3377.8	2320.7	546.8	401.0	279.5	255.2	303.8	328.1	267.3
85°	3134.8	2697.4	1713.2	1555.3	315.9	243.0	206.6	206.6	267.3	328.1	243.0
87.5°	887.0	376.7	109.4	461.7	133.7	97.2	72.9	48.6	72.9	72.9	48.6
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: P598772
 CATALOG NUMBER: IFLD-S-SA6B-760-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4
2.5°	7533.3	7460.4	7460.4	7436.1	7448.2	7460.4	7448.2	7533.3	7569.7	7618.3	7715.6
5°	5783.6	5880.8	5807.9	5880.8	5978.0	6123.8	6160.3	6269.6	6281.8	6366.8	6318.2
7.5°	4289.1	4277.0	4216.2	4301.3	4568.6	4775.1	4872.3	4933.1	4945.2	4945.2	4884.5
10°	3633.0	3523.6	3414.3	3353.5	3377.8	3596.5	3669.4	3705.9	3681.6	3718.0	3669.4
12.5°	3110.5	3013.3	2855.4	2746.0	2673.1	2733.9	2806.8	2843.2	2867.5	2928.3	2976.9
15°	2527.3	2430.1	2332.9	2272.1	2211.4	2162.8	2223.5	2260.0	2320.7	2369.3	2393.6
17.5°	1919.8	1871.2	1822.6	1859.0	1859.0	1834.7	1859.0	1871.2	1895.5	1931.9	1919.8
20°	1555.3	1543.1	1531.0	1591.7	1640.3	1640.3	1664.6	1628.2	1616.0	1579.6	1567.4
22.5°	1385.2	1385.2	1397.3	1445.9	1494.5	1518.8	1518.8	1458.1	1397.3	1373.0	1385.2
25°	1288.0	1288.0	1324.4	1336.6	1360.9	1360.9	1373.0	1312.3	1275.8	1239.3	1251.5
27.5°	1215.0	1215.0	1227.2	1227.2	1239.3	1239.3	1251.5	1227.2	1178.6	1166.4	1166.4
30°	1166.4	1166.4	1154.3	1154.3	1154.3	1154.3	1166.4	1130.0	1105.7	1093.5	1093.5
32.5°	1117.8	1105.7	1093.5	1093.5	1081.4	1081.4	1093.5	1057.1	1044.9	1044.9	1044.9
35°	972.0	959.9	972.0	996.3	996.3	1008.5	1008.5	996.3	972.0	947.7	935.6
37.5°	911.3	899.1	899.1	899.1	923.4	935.6	947.7	923.4	887.0	850.5	850.5
40°	862.7	862.7	850.5	850.5	850.5	874.8	899.1	862.7	814.1	801.9	801.9
42.5°	826.2	814.1	801.9	789.8	777.6	814.1	838.4	789.8	765.5	765.5	765.5
45°	789.8	777.6	765.5	753.3	741.2	753.3	777.6	729.0	716.9	716.9	716.9
47.5°	753.3	741.2	716.9	704.7	692.6	692.6	716.9	680.4	668.3	680.4	680.4
50°	729.0	704.7	680.4	668.3	656.1	656.1	656.1	644.0	644.0	644.0	656.1
52.5°	704.7	680.4	644.0	631.8	619.7	619.7	619.7	619.7	607.5	619.7	631.8
55°	668.3	644.0	619.7	607.5	595.4	583.2	595.4	583.2	583.2	595.4	595.4
57.5°	619.7	595.4	571.1	571.1	558.9	558.9	571.1	558.9	558.9	571.1	571.1
60°	583.2	558.9	534.6	534.6	522.5	534.6	546.8	534.6	534.6	534.6	546.8
62.5°	534.6	522.5	498.2	498.2	498.2	498.2	510.3	498.2	510.3	510.3	510.3
65°	498.2	473.9	461.7	461.7	461.7	461.7	486.0	461.7	473.9	473.9	473.9
67.5°	461.7	437.4	425.3	425.3	425.3	425.3	449.6	425.3	437.4	449.6	437.4
70°	425.3	401.0	388.8	388.8	388.8	388.8	401.0	388.8	388.8	401.0	401.0
72.5°	376.7	364.5	352.4	352.4	340.2	352.4	364.5	352.4	352.4	352.4	352.4
75°	340.2	328.1	328.1	315.9	315.9	315.9	328.1	303.8	303.8	303.8	303.8
77.5°	315.9	291.6	291.6	291.6	279.5	291.6	279.5	255.2	255.2	255.2	255.2
80°	267.3	243.0	255.2	255.2	243.0	243.0	230.9	206.6	206.6	206.6	206.6
82.5°	218.7	194.4	206.6	206.6	206.6	206.6	182.3	170.1	158.0	145.8	145.8
85°	194.4	158.0	182.3	182.3	170.1	170.1	121.5	121.5	97.2	97.2	85.1
87.5°	36.5	24.3	48.6	60.8	60.8	72.9	48.6	60.8	36.5	24.3	24.3
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: P598772
 CATALOG NUMBER: IFLD-S-SA6B-760-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4
2.5°	7703.4	7837.1	8019.3	8153.0	8359.5	8517.5	8760.5	8967.1	9161.5	9246.5	9331.6
5°	6464.1	6549.1	6828.6	7047.3	7375.3	7727.7	8165.1	8639.0	9125.0	9343.7	9598.9
7.5°	4835.9	4993.8	5151.8	5467.7	5868.7	6439.8	6998.7	7703.4	8383.8	8711.9	9149.3
10°	3754.5	3876.0	4058.3	4386.3	4763.0	5236.9	5905.1	6743.5	7557.6	7982.9	8432.4
12.5°	3013.3	3183.4	3426.4	3766.6	4204.1	4690.1	5176.1	5953.7	6901.5	7387.5	7897.8
15°	2442.2	2575.9	2843.2	3268.5	3778.8	4277.0	4787.3	5431.3	6464.1	7023.0	7630.5
17.5°	1944.1	2041.3	2284.3	2709.6	3219.9	3778.8	4362.0	5176.1	6318.2	6998.7	7715.6
20°	1579.6	1652.5	1810.4	2126.3	2612.4	3219.9	3948.9	4933.1	6403.3	7278.1	8153.0
22.5°	1385.2	1409.5	1482.4	1652.5	2053.4	2697.4	3572.2	4726.5	6561.3	7691.3	8869.8
25°	1251.5	1275.8	1300.1	1409.5	1640.3	2247.8	3244.2	4605.0	6901.5	8298.8	9696.1
27.5°	1166.4	1190.7	1202.9	1251.5	1409.5	1919.8	2964.7	4532.1	7363.2	9185.8	10716.7
30°	1093.5	1093.5	1130.0	1202.9	1312.3	1688.9	2721.7	4362.0	7849.2	9926.9	11518.7
32.5°	1032.8	1044.9	1093.5	1130.0	1202.9	1494.5	2478.7	4143.3	8286.6	10534.5	12308.4
35°	923.4	923.4	935.6	996.3	1093.5	1336.6	2260.0	3924.6	8529.6	11129.8	13013.2
37.5°	850.5	862.7	887.0	935.6	1020.6	1227.2	2077.7	3681.6	8784.8	11688.8	13839.4
40°	801.9	814.1	838.4	887.0	972.0	1130.0	1919.8	3487.2	9052.1	12296.3	14726.4
42.5°	765.5	777.6	801.9	850.5	923.4	1105.7	1749.7	3329.2	9210.1	12855.2	15564.8
45°	729.0	741.2	777.6	826.2	887.0	1081.4	1652.5	3219.9	9270.8	13231.9	16233.0
47.5°	692.6	704.7	741.2	814.1	887.0	1044.9	1616.0	3159.1	9319.4	13657.1	16767.7
50°	656.1	680.4	729.0	801.9	899.1	996.3	1591.7	3147.0	9598.9	14203.9	17278.0
52.5°	631.8	668.3	716.9	801.9	887.0	923.4	1579.6	3183.4	10157.8	15018.0	18007.0
55°	607.5	644.0	692.6	801.9	850.5	862.7	1518.8	3244.2	11008.3	16148.0	19039.8
57.5°	583.2	607.5	668.3	777.6	801.9	814.1	1397.3	3329.2	11858.9	17253.7	20096.9
60°	546.8	571.1	631.8	777.6	729.0	765.5	1239.3	3353.5	12466.4	17606.0	20194.1
62.5°	510.3	534.6	595.4	801.9	668.3	716.9	1105.7	3268.5	12587.9	17095.7	19647.3
65°	473.9	498.2	546.8	668.3	619.7	668.3	1020.6	3037.6	12186.9	15929.3	18651.0
67.5°	437.4	461.7	498.2	546.8	558.9	607.5	984.2	2673.1	11178.4	14483.4	17290.1
70°	388.8	413.1	449.6	486.0	498.2	571.1	923.4	2320.7	9550.3	12551.4	15625.5
72.5°	352.4	364.5	401.0	425.3	449.6	522.5	887.0	2029.1	7302.4	10157.8	12745.9
75°	303.8	303.8	340.2	364.5	388.8	461.7	814.1	1688.9	5151.8	7752.0	9368.0
77.5°	255.2	255.2	279.5	303.8	328.1	401.0	692.6	1373.0	3572.2	6148.1	6792.1
80°	194.4	194.4	218.7	243.0	267.3	340.2	558.9	1008.5	2211.4	4495.7	4945.2
82.5°	133.7	133.7	170.1	182.3	194.4	267.3	425.3	692.6	1300.1	3244.2	3535.8
85°	72.9	72.9	97.2	109.4	133.7	194.4	315.9	486.0	777.6	2345.0	2357.2
87.5°	12.2	12.2	36.5	36.5	60.8	97.2	182.3	267.3	437.4	1300.1	826.2
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: P598772
 CATALOG NUMBER: IFLD-S-SA6B-760-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4
2.5°	9489.5	9623.2	9635.3	9635.3	9574.6	9586.7	9416.6	9234.4	9173.6	9161.5
5°	9987.7	10340.1	10437.3	10485.9	10327.9	10084.9	9647.5	9173.6	8930.6	8894.1
7.5°	9890.5	10595.2	10971.9	11020.5	10704.6	10133.5	9368.0	8639.0	8359.5	8286.6
10°	9319.4	10267.2	10947.6	11117.7	10777.5	10048.4	9052.1	8201.6	7861.4	7800.6
12.5°	8918.4	9829.7	10498.0	10728.9	10570.9	9939.1	8894.1	7922.1	7581.9	7496.8
15°	8699.7	9538.1	9975.5	10048.4	10036.3	9769.0	8894.1	7982.9	7606.2	7509.0
17.5°	8882.0	9453.1	9513.8	9343.7	9440.9	9574.6	9088.6	8310.9	7946.4	7861.4
20°	9246.5	9416.6	9125.0	8869.8	8918.4	9343.7	9392.3	8930.6	8639.0	8493.2
22.5°	10012.0	9550.3	8882.0	8529.6	8566.1	9161.5	9793.3	9769.0	9513.8	9440.9
25°	10789.6	9926.9	8809.1	8396.0	8444.6	9125.0	10267.2	10704.6	10570.9	10534.5
27.5°	11652.3	10558.8	8857.7	8335.2	8396.0	9173.6	10595.2	11494.4	11518.7	11482.2
30°	12235.5	10862.5	9003.5	8408.1	8493.2	9295.1	10668.1	11968.2	12186.9	12199.1
32.5°	12721.5	11166.3	9307.3	8529.6	8675.4	9513.8	10862.5	12417.8	12903.8	12916.0
35°	13110.4	11506.5	9683.9	8748.3	8967.1	9878.3	11117.7	12843.1	13572.1	13657.1
37.5°	13608.5	11883.2	10121.3	9222.2	9465.2	10400.8	11567.3	13341.2	14361.9	14592.7
40°	14143.2	12259.8	10753.2	9987.7	10340.1	11178.4	12077.6	13900.1	15030.1	15346.1
42.5°	14738.5	12660.8	11470.0	11020.5	11555.1	12162.6	12660.8	14410.5	15540.5	15905.0
45°	15321.8	13146.8	12515.0	12429.9	13025.3	13329.1	13231.9	14775.0	16026.5	16391.0
47.5°	15734.9	13851.5	13778.6	14289.0	14847.9	14689.9	13900.1	15042.3	16427.4	16828.4
50°	16111.5	14726.4	15370.4	16366.7	16706.9	16172.3	14617.0	15406.8	16852.7	17302.3
52.5°	16670.5	15662.0	17010.7	18250.0	18578.1	17727.5	15394.7	16002.2	17508.8	17909.8
55°	17812.6	16719.1	18723.9	20145.5	20206.2	19149.2	16439.6	17010.7	18432.3	18894.0
57.5°	19088.4	18019.2	20084.7	21712.9	21688.6	20570.8	17618.2	18371.5	19683.8	19999.7
60°	20242.7	19331.4	21567.1	22830.7	22770.0	21603.5	18991.2	19914.6	21117.5	21360.5
62.5°	20923.1	20522.2	22223.2	23183.1	22952.3	21943.8	20157.6	21287.6	22138.2	22223.2
65°	20813.8	21202.6	21457.7	22053.1	21725.1	20996.0	20728.7	22162.5	22247.5	22162.5
67.5°	19987.5	20813.8	19355.7	19416.5	19246.4	18626.7	19841.7	21931.6	21348.4	21141.8
70°	18736.0	18796.8	16184.4	15419.0	15686.3	14835.7	17022.8	20133.3	19234.2	18979.0
72.5°	16658.3	15905.0	12235.5	11457.9	11858.9	11251.3	13657.1	17545.3	16670.5	15844.2
75°	13973.0	12600.0	9319.4	8213.7	8420.3	8396.0	10583.1	14495.5	12916.0	12089.7
77.5°	10826.1	9817.6	6877.2	6451.9	6233.2	6281.8	7387.5	10777.5	9368.0	8335.2
80°	7910.0	6865.0	5321.9	5564.9	5443.4	5151.8	5176.1	7217.4	6512.7	5893.0
82.5°	5467.7	4884.5	4313.4	4872.3	4580.7	4131.2	4034.0	5200.4	4884.5	4507.8
85°	3669.4	4021.8	3426.4	3730.2	3232.0	2976.9	3790.9	4349.9	3511.5	3134.8
87.5°	2393.6	3681.6	2466.5	1871.2	1069.2	1433.8	2320.7	2855.4	1640.3	887.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)