

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: P598948

Luminaire Tested: **IFLD-S-SA6D-735-U-SLL**

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: P598948
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6D-735-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (96) 3500K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

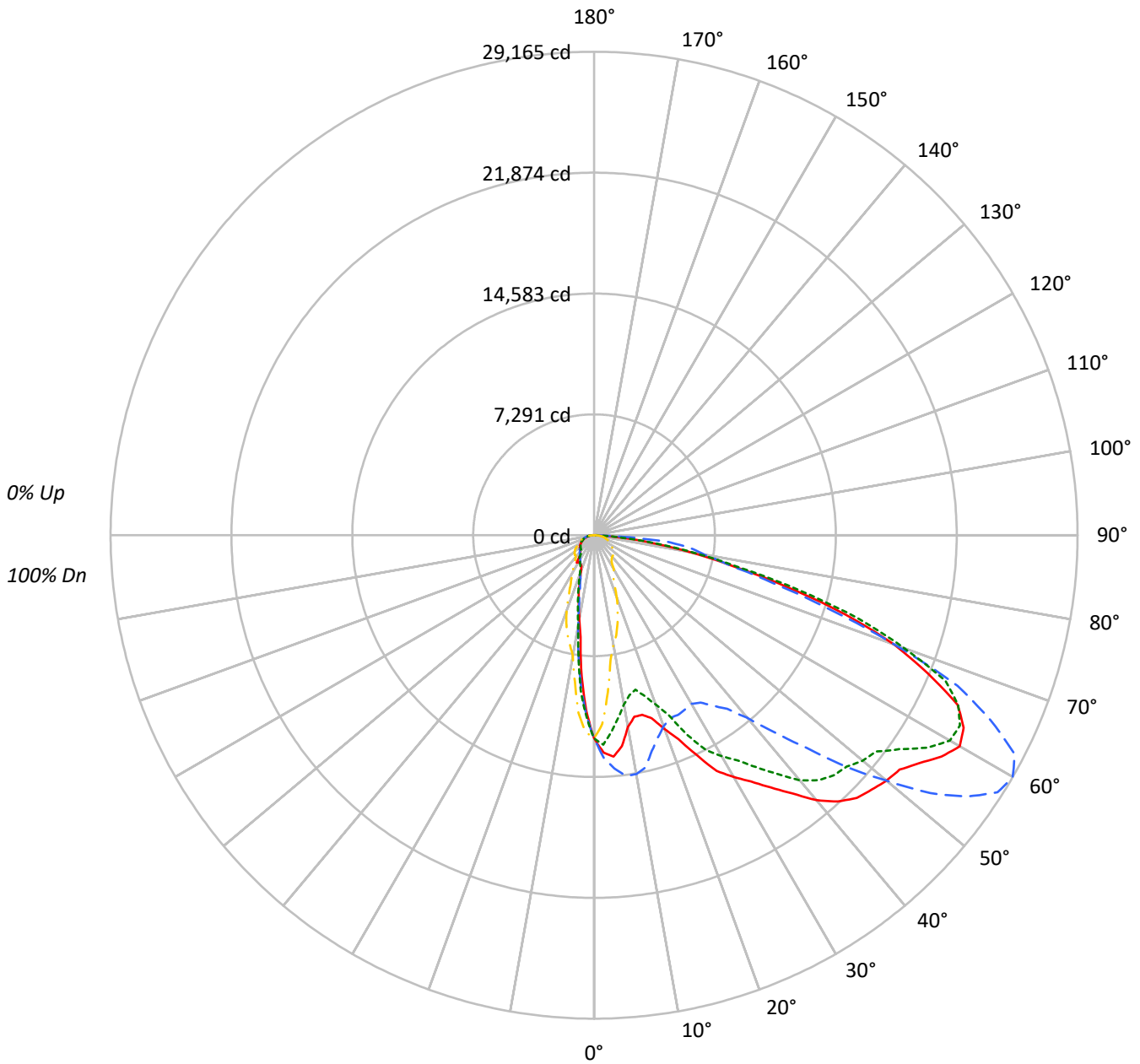
Lumens per Lamp: N/A
 Luminaire Lumens: 38358.4 lumens
 Efficiency: N/A
 Efficacy: 104.2 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 368.2
 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

TEST NUMBER: P598948
CATALOG NUMBER: IFLD-S-SA6D-735-U-SLL

Luminous Intensity Polar Plot



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

TEST NUMBER: P598948

CATALOG NUMBER: IFLD-S-SA6D-735-U-SLL

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				
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°	87915	87915	87915	87915
5°	96586	85800	61531	67169
10°	85552	75509	37321	40048
15°	83306	71676	26420	27431
20°	94987	82902	17282	19101
25°	115732	105088	15090	15628
30°	139444	127460	15651	14522
35°	162627	149659	12969	12223
40°	195421	180756	12114	11476
45°	227423	207737	12260	11397
50°	257018	236123	12537	11778
55°	299741	281432	12986	12347
60°	365583	355569	12943	12943
65°	410852	411429	13290	13869
70°	403780	418060	13923	14280
75°	333075	355250	14625	15568
80°	240484	252440	16174	16877
85°	133094	142900	18212	22420

TEST NUMBER: P598948
 CATALOG NUMBER: IFLD-S-SA6D-735-U-SLL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	951.8	2.5
10°-20°	2009.5	5.2
20°-30°	2940.1	7.7
30°-40°	4142.5	10.8
40°-50°	5693.0	14.8
50°-60°	7758.9	20.2
60°-70°	8491.8	22.1
70°-80°	4902.6	12.8
80°-90°	1468.1	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°	5901.4	15.4
0°-40°	10043.9	26.2
0°-60°	23495.8	61.3
0°-90°	38358.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	38358.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12251	12251	12251	12251	12251	
5°	13408	11911	8542	9325	13408	1218
15°	11214	9648	3556	3692	11214	3276
25°	14617	13272	1906	1974	14617	6844
35°	18564	17084	1480	1395	18564	11771
45°	22410	20470	1208	1123	22410	17224
55°	23958	22495	1038	987	23958	21617
65°	24197	24231	783	817	24197	23159
75°	12013	12813	528	562	12013	12905
85°	1616	1736	221	272	1616	2243
90°	0	0	0	0	0	

TEST NUMBER: P598948
 CATALOG NUMBER: IFLD-S-SA6D-735-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4
2.5°	13119.3	13068.2	13119.3	13306.4	13357.5	13442.6	13442.6	13323.4	13102.2	13000.1	12830.0
5°	13408.5	13323.4	13748.8	14140.2	14446.5	14412.5	14123.2	13885.0	13442.6	12778.9	12149.3
7.5°	12830.0	12915.1	13221.3	14242.3	14957.0	15093.1	14633.7	14157.2	13204.3	12285.5	11434.7
10°	11741.0	11860.1	12523.7	13578.7	14701.7	14922.9	14633.7	14055.1	12915.1	11775.0	10788.1
12.5°	11213.5	11485.7	11877.1	13153.3	13953.0	14480.5	14344.4	13970.0	12693.9	11349.6	10396.7
15°	11213.5	11281.5	11860.1	12932.1	13391.5	13408.5	13459.6	13527.6	12761.9	11536.8	10260.6
17.5°	11570.8	11758.0	12251.4	12915.1	13000.1	12796.0	12796.0	13085.2	12898.0	12064.3	10754.0
20°	12438.6	12370.6	13017.2	13289.4	12830.0	12319.5	12268.5	12761.9	13051.2	12625.8	11655.9
22.5°	13306.4	13612.7	14140.2	13527.6	12676.8	11996.2	11928.1	12540.7	13510.6	13595.7	12693.9
25°	14616.7	14922.9	15195.2	14446.5	12659.8	11911.1	11962.2	12438.6	14072.1	14974.0	14429.5
27.5°	16029.0	16216.1	16607.5	15450.4	13068.2	11809.0	11860.1	12574.7	14599.6	15875.8	15790.7
30°	16828.7	17032.9	16947.8	15637.6	13340.5	11877.1	11741.0	12761.9	14310.4	15875.8	16675.6
32.5°	17611.4	17492.3	17441.3	15943.9	13680.8	12302.5	11962.2	13153.3	14480.5	16131.1	17815.6
35°	18564.3	18394.2	18258.1	16539.4	14242.3	12710.9	12557.7	13663.8	14854.9	16658.6	18734.5
37.5°	19619.3	19619.3	18955.7	16981.9	14905.9	13374.5	13204.3	14395.4	15450.4	16981.9	19993.7
40°	20861.5	20912.5	19738.4	17577.4	15654.6	14429.5	14378.4	15348.3	16029.0	17458.3	21201.8
42.5°	21780.3	21814.4	20419.1	17798.6	16522.4	15892.8	16114.1	16879.8	16692.6	17883.7	21286.9
45°	22409.9	22239.8	20895.5	18428.2	17475.3	18087.9	18156.0	18377.2	17560.4	18138.9	21627.2
47.5°	22716.2	22682.2	21099.7	19159.9	19483.2	20317.0	20708.3	20402.1	18360.1	17866.7	21627.2
50°	23022.5	22733.2	21286.9	20163.8	21440.0	23124.6	23039.5	22478.0	19466.2	18207.0	21303.9
52.5°	23226.7	22971.5	21661.2	21065.7	23311.8	25217.6	25557.9	24519.9	20759.4	18836.6	21457.0
55°	23958.4	23754.2	22784.3	22290.8	25472.8	27429.6	27480.7	26034.3	22120.7	19874.6	22461.0
57.5°	24843.2	24962.3	24332.7	24026.4	27123.3	29046.1	28859.0	27157.4	23277.7	21133.7	23618.1
60°	25472.8	25660.0	25506.8	25540.9	27940.1	29590.6	29165.2	27855.0	24128.5	22086.6	25030.4
62.5°	25132.5	25506.8	26136.4	26000.3	27974.1	29199.3	28603.7	26936.2	24230.6	23328.8	26102.4
65°	24196.6	24230.6	25455.8	26204.5	26442.7	27174.4	26391.6	25013.4	23175.6	24094.5	25949.2
67.5°	21797.4	22069.6	23175.6	24639.0	23635.1	23805.2	23737.2	21746.3	21576.2	23567.0	24775.1
70°	19245.0	19432.1	20640.3	22358.9	19959.6	19159.9	19313.0	17832.7	18530.3	21933.5	22409.9
72.5°	15909.9	16029.0	17407.3	18921.7	16012.0	14582.6	14940.0	13731.8	14718.7	19193.9	18904.7
75°	12013.2	12234.4	13306.4	15093.1	11792.0	10873.2	11230.5	10737.0	11655.9	15807.8	14667.7
77.5°	8542.0	8371.8	9699.1	11809.0	8865.3	8320.8	8354.8	8439.9	9426.8	13323.4	10532.8
80°	5819.4	5870.5	7061.6	8661.1	6959.5	6874.4	6789.3	7470.0	7912.4	10549.9	7657.2
82.5°	3454.2	3454.2	4764.4	6159.8	5496.1	6193.8	5802.4	6415.0	6193.8	7759.2	5019.7
85°	1616.5	1616.5	2450.3	4441.1	4254.0	5104.8	4339.1	4849.5	4577.3	5411.1	2263.1
87.5°	272.3	238.2	493.5	2178.0	1752.6	1990.9	782.7	2586.4	2875.7	3777.5	561.5
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: P598948
 CATALOG NUMBER: IFLD-S-SA6D-735-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4
2.5°	12642.8	12523.7	12285.5	11979.2	11724.0	11400.6	11298.6	11077.3	10771.1	10737.0	10600.9
5°	11911.1	11502.7	10992.3	10362.7	9937.3	9494.9	9120.5	8899.3	8644.1	8610.0	8542.0
7.5°	11111.4	10600.9	9750.1	9001.4	8269.7	7572.1	7231.8	6806.4	6517.1	6295.9	6193.8
10°	10362.7	9886.2	8831.2	7810.3	7163.7	6704.3	6295.9	5853.5	5496.1	5223.9	5121.8
12.5°	9869.2	9307.7	8167.6	7197.7	6721.3	6193.8	5734.4	5257.9	4798.5	4441.1	4254.0
15°	9648.0	9120.5	7963.4	6891.4	6193.8	5462.1	4934.6	4458.2	3896.6	3641.4	3556.3
17.5°	10175.5	9392.8	7895.4	6534.1	5547.2	4713.4	4066.8	3556.3	3147.9	2892.7	2790.6
20°	10856.1	9886.2	8014.5	6108.7	4934.6	3998.7	3284.1	2739.6	2467.3	2280.1	2263.1
22.5°	11724.0	10617.9	8201.7	5802.4	4254.0	3216.0	2569.4	2246.1	2058.9	2041.9	2007.9
25°	13272.4	11945.2	8507.9	5394.0	3709.5	2654.5	2195.1	2007.9	1922.8	1871.7	1905.8
27.5°	14599.6	12813.0	8729.2	5138.8	3488.3	2501.3	2127.0	1922.8	1837.7	1820.7	1837.7
30°	15382.4	13612.7	8661.1	4662.4	3045.8	2382.2	2263.1	2195.1	2024.9	1888.8	1888.8
32.5°	16097.0	14123.2	8644.1	4237.0	2603.4	1990.9	1888.8	1837.7	1939.8	2007.9	1956.8
35°	17084.0	14922.9	8593.0	3998.7	2416.3	1837.7	1667.6	1531.4	1463.4	1429.3	1480.4
37.5°	18138.9	15467.4	8456.9	3964.7	2314.2	1752.6	1616.5	1480.4	1412.3	1378.3	1361.3
40°	19296.0	16046.0	8303.8	3794.5	2263.1	1701.6	1565.5	1446.4	1361.3	1310.2	1293.2
42.5°	20044.7	16505.4	8150.6	3709.5	2161.0	1667.6	1514.4	1412.3	1327.2	1259.2	1259.2
45°	20470.1	17049.9	7997.5	3624.4	2041.9	1684.6	1514.4	1378.3	1276.2	1242.2	1208.1
47.5°	20657.3	17458.3	7946.4	3488.3	1939.8	1616.5	1480.4	1344.3	1242.2	1174.1	1157.1
50°	21150.8	18326.1	8133.6	3386.2	1820.7	1548.4	1565.5	1327.2	1225.1	1140.1	1123.0
52.5°	21440.0	19023.8	8542.0	3233.0	1735.6	1463.4	1531.4	1293.2	1174.1	1089.0	1089.0
55°	22495.0	20180.8	8984.4	3113.9	1633.5	1344.3	1412.3	1225.1	1089.0	1038.0	1038.0
57.5°	23839.3	21406.0	9358.7	3062.9	1565.5	1259.2	1259.2	1191.1	1038.0	969.9	952.9
60°	24775.1	22409.9	9579.9	3028.8	1497.4	1174.1	1123.0	1191.1	986.9	918.9	901.8
62.5°	24877.2	21831.4	9358.7	3011.8	1480.4	1089.0	1021.0	1140.1	935.9	867.8	833.8
65°	24230.6	20657.3	8746.2	2943.7	1463.4	1003.9	952.9	986.9	867.8	816.8	782.7
67.5°	22937.4	18751.5	7861.3	2909.7	1446.4	935.9	867.8	850.8	799.7	748.7	714.7
70°	19925.6	16267.2	6823.4	2756.6	1412.3	884.8	782.7	765.7	714.7	680.6	663.6
72.5°	16726.6	13306.4	5632.3	2552.4	1344.3	799.7	714.7	680.6	663.6	612.6	595.6
75°	12813.0	10243.6	4509.2	2263.1	1174.1	714.7	629.6	595.6	578.5	544.5	527.5
77.5°	9001.4	7623.1	3335.1	1837.7	986.9	646.6	561.5	527.5	510.5	459.4	459.4
80°	6108.7	5343.0	2263.1	1276.2	765.7	527.5	493.5	459.4	425.4	391.4	391.4
82.5°	3794.5	3743.5	1633.5	833.8	561.5	425.4	391.4	391.4	340.3	306.3	306.3
85°	1735.6	2297.1	1140.1	578.5	425.4	323.3	323.3	306.3	272.3	221.2	221.2
87.5°	544.5	765.7	595.6	255.2	238.2	187.2	187.2	170.2	170.2	136.1	136.1
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: P598948
 CATALOG NUMBER: IFLD-S-SA6D-735-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4
2.5°	10737.0	10720.0	10720.0	10651.9	10822.1	10822.1	10924.2	10839.1	10890.2	10907.2	11043.3
5°	8525.0	8661.1	8763.2	8967.4	9086.5	9137.5	9137.5	9273.7	9222.6	9324.7	9528.9
7.5°	6244.8	6415.0	6721.3	6976.5	7180.7	7248.8	7231.8	7265.8	7316.8	7197.7	7231.8
10°	5053.7	4934.6	5036.7	5274.9	5462.1	5683.3	5513.1	5496.1	5547.2	5496.1	5598.2
12.5°	4219.9	4083.8	3998.7	3998.7	4134.9	4237.0	4185.9	4271.0	4458.2	4509.2	4628.3
15°	3420.2	3301.1	3233.0	3147.9	3284.1	3318.1	3369.1	3488.3	3624.4	3692.4	3828.6
17.5°	2739.6	2739.6	2739.6	2671.5	2722.5	2773.6	2790.6	2943.7	2960.8	3028.8	3079.9
20°	2246.1	2297.1	2382.2	2416.3	2467.3	2467.3	2433.3	2518.4	2450.3	2501.3	2535.4
22.5°	2024.9	2093.0	2127.0	2144.0	2212.1	2229.1	2144.0	2161.0	2178.0	2127.0	2144.0
25°	1905.8	1939.8	1905.8	1922.8	1939.8	1905.8	1922.8	1956.8	1939.8	1973.8	1956.8
27.5°	1854.7	1820.7	1803.7	1786.7	1786.7	1752.6	1769.7	1769.7	1803.7	1820.7	1820.7
30°	1854.7	1803.7	1735.6	1684.6	1684.6	1633.5	1667.6	1701.6	1718.6	1752.6	1752.6
32.5°	1905.8	1803.7	1684.6	1633.5	1582.5	1548.4	1582.5	1633.5	1701.6	1718.6	1735.6
35°	1514.4	1565.5	1548.4	1480.4	1463.4	1463.4	1446.4	1446.4	1395.3	1395.3	1378.3
37.5°	1361.3	1344.3	1378.3	1395.3	1412.3	1361.3	1361.3	1293.2	1276.2	1293.2	1293.2
40°	1276.2	1276.2	1276.2	1327.2	1344.3	1310.2	1259.2	1225.1	1225.1	1225.1	1242.2
42.5°	1242.2	1208.1	1191.1	1225.1	1276.2	1242.2	1191.1	1174.1	1174.1	1191.1	1191.1
45°	1191.1	1174.1	1157.1	1140.1	1208.1	1157.1	1140.1	1123.0	1123.0	1123.0	1140.1
47.5°	1140.1	1123.0	1089.0	1089.0	1106.0	1089.0	1072.0	1072.0	1072.0	1106.0	1106.0
50°	1106.0	1089.0	1055.0	1055.0	1055.0	1055.0	1038.0	1038.0	1038.0	1055.0	1072.0
52.5°	1055.0	1038.0	1021.0	1003.9	1003.9	1003.9	1003.9	1003.9	1003.9	1021.0	1038.0
55°	1003.9	986.9	969.9	969.9	986.9	986.9	969.9	986.9	969.9	986.9	1003.9
57.5°	952.9	935.9	918.9	935.9	952.9	935.9	935.9	935.9	935.9	935.9	952.9
60°	884.8	884.8	884.8	884.8	918.9	918.9	918.9	918.9	884.8	901.8	918.9
62.5°	850.8	833.8	833.8	850.8	867.8	867.8	884.8	867.8	850.8	867.8	867.8
65°	782.7	782.7	782.7	799.7	799.7	816.8	816.8	816.8	799.7	816.8	816.8
67.5°	731.7	731.7	731.7	731.7	765.7	765.7	765.7	765.7	748.7	748.7	765.7
70°	646.6	663.6	646.6	680.6	714.7	697.7	714.7	714.7	697.7	680.6	714.7
72.5°	595.6	595.6	595.6	595.6	646.6	646.6	646.6	663.6	646.6	629.6	646.6
75°	527.5	527.5	527.5	544.5	578.5	578.5	578.5	578.5	578.5	561.5	561.5
77.5°	459.4	476.4	459.4	476.4	510.5	493.5	510.5	527.5	510.5	493.5	493.5
80°	391.4	391.4	391.4	408.4	425.4	425.4	425.4	442.4	425.4	408.4	408.4
82.5°	306.3	306.3	323.3	323.3	340.3	340.3	340.3	357.3	340.3	323.3	323.3
85°	238.2	238.2	238.2	255.2	255.2	272.3	272.3	289.3	289.3	272.3	272.3
87.5°	153.1	136.1	153.1	153.1	170.2	170.2	153.1	136.1	153.1	136.1	119.1
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: P598948
 CATALOG NUMBER: IFLD-S-SA6D-735-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4	12251.4
2.5°	11179.4	11485.7	11706.9	11860.1	12081.3	12506.7	12676.8	12983.1	13068.2	13119.3
5°	9614.0	9937.3	10413.7	10754.0	11145.4	11945.2	12557.7	13017.2	13221.3	13408.5
7.5°	7538.0	7963.4	8456.9	8899.3	9545.9	10532.8	11332.6	12285.5	12642.8	12830.0
10°	5887.5	6278.9	6823.4	7367.9	8269.7	9103.5	10243.6	11111.4	11604.8	11741.0
12.5°	4968.6	5428.1	6074.7	6738.3	7299.8	8252.7	9409.8	10669.0	11128.4	11213.5
15°	4219.9	4849.5	5513.1	6193.8	6840.4	7674.2	8916.3	10447.8	11128.4	11213.5
17.5°	3488.3	4049.8	4832.5	5564.2	6312.9	7453.0	9001.4	10634.9	11315.6	11570.8
20°	2773.6	3318.1	3930.7	4849.5	5870.5	7078.6	9188.6	11264.5	12166.4	12438.6
22.5°	2297.1	2535.4	3130.9	4015.8	5223.9	6823.4	9375.8	12251.4	13204.3	13306.4
25°	2007.9	2178.0	2552.4	3386.2	4713.4	6653.2	9818.2	13391.5	14616.7	14616.7
27.5°	1871.7	1939.8	2195.1	2943.7	4356.1	6500.1	10260.6	14650.7	15790.7	16029.0
30°	1837.7	2007.9	2144.0	2620.4	3964.7	6074.7	10669.0	15637.6	16811.7	16828.7
32.5°	1803.7	1769.7	1871.7	2280.1	3488.3	5632.3	11009.3	16641.5	17560.4	17611.4
35°	1412.3	1480.4	1650.5	2007.9	3130.9	5309.0	11179.4	17186.1	18513.3	18564.3
37.5°	1327.2	1412.3	1548.4	1854.7	2892.7	5036.7	11230.5	18241.0	19517.2	19619.3
40°	1293.2	1361.3	1463.4	1718.6	2705.5	4696.4	11332.6	19330.1	20997.6	20861.5
42.5°	1225.1	1310.2	1412.3	1650.5	2552.4	4441.1	11349.6	19925.6	21780.3	21780.3
45°	1208.1	1259.2	1378.3	1650.5	2382.2	4219.9	11077.3	20521.2	22682.2	22409.9
47.5°	1140.1	1242.2	1344.3	1599.5	2178.0	3998.7	10754.0	20827.5	22801.3	22716.2
50°	1123.0	1225.1	1395.3	1514.4	2058.9	3896.6	10686.0	21593.2	23039.5	23022.5
52.5°	1089.0	1191.1	1446.4	1446.4	1905.8	3760.5	11009.3	21933.5	23090.6	23226.7
55°	1038.0	1191.1	1344.3	1327.2	1769.7	3590.4	11366.6	22818.3	23992.4	23958.4
57.5°	1003.9	1157.1	1276.2	1208.1	1616.5	3471.2	11894.1	23669.1	25081.4	24843.2
60°	952.9	1157.1	1140.1	1123.0	1497.4	3369.1	12336.5	23839.3	25319.6	25472.8
62.5°	918.9	1208.1	1003.9	1038.0	1395.3	3318.1	12149.3	22563.1	24996.3	25132.5
65°	884.8	1038.0	918.9	952.9	1361.3	3216.0	11417.7	21031.6	23601.0	24196.6
67.5°	816.8	850.8	850.8	884.8	1327.2	2977.8	9920.3	18275.1	21474.1	21797.4
70°	748.7	765.7	765.7	816.8	1293.2	2705.5	8184.6	15807.8	18632.4	19245.0
72.5°	680.6	680.6	680.6	748.7	1191.1	2484.3	6738.3	12149.3	15484.5	15909.9
75°	595.6	595.6	595.6	663.6	1072.0	2263.1	5309.0	9035.4	11400.6	12013.2
77.5°	527.5	527.5	510.5	595.6	935.9	1837.7	3828.6	6381.0	8031.5	8542.0
80°	442.4	425.4	425.4	476.4	731.7	1327.2	2467.3	4509.2	5598.2	5819.4
82.5°	357.3	340.3	323.3	357.3	527.5	833.8	1531.4	3147.9	3590.4	3454.2
85°	340.3	357.3	289.3	272.3	374.3	544.5	969.9	1939.8	1616.5	1616.5
87.5°	136.1	119.1	119.1	102.1	187.2	204.2	425.4	357.3	272.3	272.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)