

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: P599382

Luminaire Tested: **IFLD-S-SA6C-722-U-SLL-HSS**

Issue Date: 05/04/2022

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: P599382
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6C-722-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (96) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

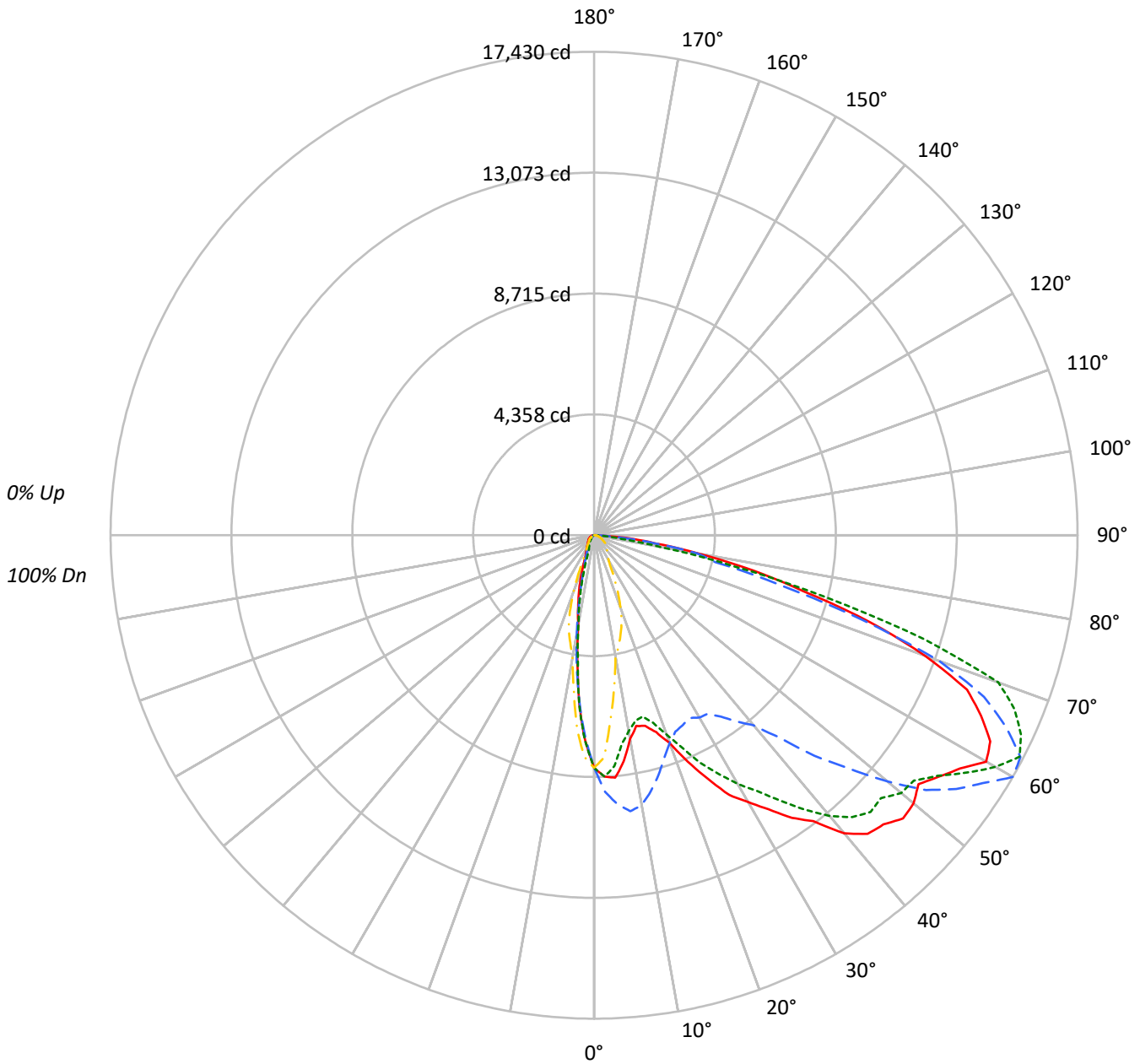
Lumens per Lamp: N/A
 Luminaire Lumens: 22292.3 lumens
 Efficiency: N/A
 Efficacy: 69.3 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

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

TEST NUMBER: P599382
CATALOG NUMBER: IFLD-S-SA6C-722-U-SLL-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599382
 CATALOG NUMBER: IFLD-S-SA6C-722-U-SLL-HSS

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	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	79	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61	61	61	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	48	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39	39	39	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	32	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27	27	27	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	23	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20	20	20	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	60147	60147	60147	60147
5°	63207	60162	43953	44211
10°	54352	52269	24031	23467
15°	52849	50240	15611	11764
20°	60916	58370	8364	4182
25°	76593	71644	5421	3253
30°	91994	85729	4390	2664
35°	108939	102212	3599	2138
40°	131437	123741	3178	1617
45°	149642	143118	2960	1088
50°	167872	161359	2924	664
55°	189841	189171	2905	298
60°	234266	239820	2648	86
65°	261391	288278	2426	0
70°	266535	325364	2249	0
75°	216876	239983	2146	0
80°	157686	100369	2215	0
85°	101947	42155	2939	0

TEST NUMBER: P599382
 CATALOG NUMBER: IFLD-S-SA6C-722-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	636.7	2.9
10°-20°	1248.7	5.6
20°-30°	1727.9	7.8
30°-40°	2442.0	11.0
40°-50°	3324.8	14.9
50°-60°	4403.6	19.8
60°-70°	5112.9	22.9
70°-80°	2895.4	13.0
80°-90°	500.3	2.2
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°	3613.3	16.2
0°-40°	6055.4	27.2
0°-60°	13783.8	61.8
0°-90°	22292.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22292.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8382	8382	8382	8382	8382	
5°	8775	8352	6102	6138	8775	788
15°	7114	6763	2101	1584	7114	2087
25°	9674	9048	685	411	9674	4512
35°	12436	11668	411	244	12436	7840
45°	14746	14103	292	107	14746	11432
55°	15174	15120	232	24	15174	13748
65°	15394	16978	143	0	15394	15007
75°	7822	8656	77	0	7822	8537
85°	1238	512	36	0	1238	1488
90°	0	0	0	0	0	

TEST NUMBER: P599382
 CATALOG NUMBER: IFLD-S-SA6C-722-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8
2.5°	8709.2	8893.7	8899.7	8983.0	9066.4	9066.4	9262.8	9215.2	9042.5	9012.8	8887.8
5°	8774.7	8840.1	8887.8	9310.4	9667.6	9631.9	9739.0	9667.6	9334.2	8905.6	8613.9
7.5°	8209.1	8280.6	8471.1	9191.4	9673.6	9834.3	10036.7	9590.2	9239.0	8465.1	7905.5
10°	7459.1	7596.0	7947.2	8768.7	9364.0	9876.0	9876.0	9518.8	8840.1	8084.1	7399.5
12.5°	7042.3	7316.2	7506.7	8340.1	9114.0	9465.2	9453.3	9262.8	8822.3	7869.8	7095.9
15°	7113.8	7191.2	7596.0	8244.8	8756.8	8738.9	8953.2	8893.7	8584.2	8060.3	7209.0
17.5°	7441.2	7560.3	7911.5	8244.8	8488.9	8417.5	8411.5	8697.3	8715.1	8381.8	7631.7
20°	7977.0	8328.2	8494.9	8596.1	8298.4	7994.8	7959.1	8358.0	8667.5	8792.5	8137.7
22.5°	8834.2	9066.4	9405.7	8887.8	8113.9	7732.9	7661.5	8102.0	8727.0	9280.7	8792.5
25°	9673.6	9852.1	10179.6	9512.8	8322.2	7679.3	7554.3	7935.3	8953.2	9959.3	9584.3
27.5°	10560.5	10715.3	10751.0	9971.2	8435.3	7572.2	7423.3	7935.3	9143.7	10316.5	10530.8
30°	11102.3	11286.8	11322.5	10376.0	8619.9	7661.5	7590.0	7971.0	9274.7	10620.1	11209.4
32.5°	11709.5	11757.1	11727.3	10447.4	8822.3	7923.4	7625.7	8209.1	9423.5	10983.2	11828.5
35°	12435.7	12519.1	12215.5	10774.9	9274.7	8090.1	7982.9	8500.8	9679.5	11149.9	12578.6
37.5°	12989.4	13251.3	12566.7	10899.9	9364.0	8441.3	8459.2	9108.0	9858.1	11352.3	13406.1
40°	14031.1	13590.6	13162.0	11328.5	9703.3	9036.6	8941.3	9733.1	10459.3	11483.3	13947.8
42.5°	14602.6	14370.4	13394.2	11370.1	10227.2	9858.1	9881.9	10441.5	10774.9	11852.3	14096.6
45°	14745.5	14501.4	13709.7	11399.9	10745.1	10828.4	11239.2	11346.3	11239.2	12096.4	14376.4
47.5°	15108.6	14578.8	13673.9	11798.8	11584.5	11905.9	12429.8	12661.9	11870.2	12007.1	14507.4
50°	15037.2	14733.6	13596.6	11965.4	12608.4	13459.6	13810.9	13715.6	12572.6	11822.6	14364.5
52.5°	14739.5	14412.1	13834.7	12417.9	13566.8	14596.7	15084.8	14846.7	13197.7	12239.3	14269.2
55°	15174.1	14924.1	14144.2	13031.0	14287.1	15596.7	15942.0	15763.4	13965.6	12626.2	14811.0
57.5°	15644.4	15590.8	14983.6	13751.3	15138.4	16626.6	16626.6	16406.3	14632.4	13185.8	15614.6
60°	16323.0	16442.1	15602.7	14227.6	15430.1	16567.1	17430.3	17174.3	15305.1	14168.0	16525.4
62.5°	16102.7	16483.7	16400.4	15251.5	15763.4	16858.8	17329.1	17519.6	16138.5	15364.6	17739.8
65°	15394.3	15799.1	16394.4	15924.2	15513.4	16150.4	16388.5	16965.9	16555.2	16489.7	18239.9
67.5°	14549.0	14989.5	15358.6	16376.6	15007.4	15430.1	15221.7	15406.3	16102.7	17722.0	18525.6
70°	12703.6	13126.3	13709.7	15370.5	13668.0	13287.0	13233.4	13144.1	14227.6	17281.4	17227.9
72.5°	10447.4	10643.9	11608.3	12495.3	10114.1	10042.6	10126.0	10024.8	11280.9	15644.4	14757.4
75°	7822.2	8018.6	8566.3	9596.2	6887.6	6476.8	6953.1	7423.3	8613.9	12144.0	10602.2
77.5°	5881.5	6131.5	6476.8	7179.3	5054.1	4411.1	4476.6	4923.1	6226.8	9727.1	5941.1
80°	3815.8	3786.1	4452.8	4941.0	3803.9	3923.0	3756.3	4083.7	4512.3	5202.9	3036.0
82.5°	2202.6	2232.4	2512.1	2833.6	2649.1	3030.1	2184.7	3649.2	3220.5	2119.3	1131.1
85°	1238.2	1291.8	1547.8	1964.5	1660.9	1113.2	910.8	1809.7	2024.0	869.1	547.7
87.5°	125.0	107.2	208.4	744.1	452.4	184.5	273.8	434.6	488.1	327.4	160.7
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: P599382
 CATALOG NUMBER: IFLD-S-SA6C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8
2.5°	8709.2	8709.2	8560.4	8310.3	8209.1	8030.5	7786.5	7863.9	7780.5	7476.9	7399.5
5°	8352.0	8066.3	7756.7	7375.7	7155.5	6703.0	6560.2	6304.2	6345.9	6089.9	6101.8
7.5°	7607.9	7381.7	6857.8	6357.8	5923.2	5530.3	4976.7	4768.3	4565.9	4464.7	4583.8
10°	7173.3	6750.7	6036.3	5381.5	4804.0	4452.8	4083.7	3798.0	3536.1	3339.6	3297.9
12.5°	6857.8	6482.8	5619.6	4821.9	4369.5	4083.7	3744.4	3351.5	3095.5	2756.2	2655.0
15°	6762.6	6304.2	5393.4	4601.6	4161.1	3690.8	3303.9	2916.9	2583.6	2226.4	2101.4
17.5°	7090.0	6560.2	5387.4	4423.0	3803.9	3297.9	2762.2	2327.6	1988.3	1660.9	1583.5
20°	7643.6	6834.0	5560.1	4315.9	3464.6	2786.0	2178.8	1744.2	1363.2	1148.9	1095.3
22.5°	8274.6	7298.3	5577.9	4030.2	3125.3	2274.0	1589.4	1148.9	934.6	833.4	803.6
25°	9048.5	8042.4	5792.2	3798.0	2726.5	1726.4	1131.1	881.0	756.0	696.5	684.6
27.5°	9685.5	8560.4	6024.4	3553.9	2333.6	1279.9	887.0	720.3	654.8	595.3	589.3
30°	10346.2	9155.6	6089.9	3405.1	1994.2	1053.7	762.0	637.0	565.5	535.8	529.8
32.5°	10923.7	9804.5	6298.2	3161.0	1672.8	928.7	690.5	571.5	523.9	476.2	470.3
35°	11667.8	10179.6	6399.4	3030.1	1553.7	839.4	631.0	523.9	452.4	422.7	410.8
37.5°	12465.5	10542.7	6464.9	2928.9	1452.5	785.8	595.3	494.1	428.6	386.9	375.0
40°	13209.6	11054.6	6369.7	2803.8	1375.1	720.3	571.5	458.4	398.8	357.2	339.3
42.5°	13781.1	11554.7	6339.9	2684.8	1291.8	696.5	541.7	440.5	375.0	327.4	321.5
45°	14102.6	11894.0	6131.5	2589.5	1226.3	708.4	529.8	416.7	357.2	315.5	291.7
47.5°	14025.2	12155.9	6185.1	2559.8	1137.0	660.8	523.9	398.8	327.4	291.7	273.8
50°	14453.8	12685.8	6095.8	2464.5	1071.5	595.3	571.5	398.8	321.5	279.8	261.9
52.5°	14525.2	13167.9	6286.3	2291.9	970.3	547.7	565.5	392.9	309.6	267.9	244.1
55°	15120.5	13727.5	6655.4	2196.6	887.0	476.2	517.9	381.0	279.8	244.1	232.2
57.5°	15930.1	14888.3	6893.5	2107.3	773.9	416.7	434.6	375.0	256.0	226.2	208.4
60°	16710.0	15352.7	6911.4	1946.6	666.7	375.0	339.3	375.0	238.1	202.4	184.5
62.5°	17293.3	15352.7	6792.3	1809.7	583.4	333.4	297.6	357.2	214.3	178.6	166.7
65°	16977.8	14941.9	6482.8	1696.6	529.8	291.7	256.0	273.8	190.5	154.8	142.9
67.5°	16412.3	13662.0	5798.2	1559.7	523.9	256.0	220.3	202.4	166.7	136.9	125.0
70°	15507.5	11935.7	4827.8	1404.9	512.0	232.2	196.4	172.6	148.8	119.1	107.2
72.5°	12495.3	9858.1	3964.7	1315.6	500.0	202.4	166.7	148.8	125.0	101.2	89.3
75°	8655.6	6298.2	3053.9	1125.1	488.1	184.5	154.8	131.0	107.2	83.3	77.4
77.5°	5191.0	4208.7	1970.4	845.3	321.5	148.8	131.0	101.2	89.3	71.4	65.5
80°	2428.8	1988.3	797.7	327.4	154.8	107.2	89.3	77.4	71.4	59.5	53.6
82.5°	952.5	839.4	386.9	190.5	125.0	83.3	71.4	65.5	59.5	47.6	41.7
85°	512.0	452.4	184.5	131.0	89.3	59.5	59.5	53.6	47.6	41.7	35.7
87.5°	113.1	83.3	77.4	77.4	65.5	47.6	47.6	41.7	35.7	29.8	23.8
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: P599382
 CATALOG NUMBER: IFLD-S-SA6C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8
2.5°	7357.9	7447.1	7304.3	7393.6	7268.6	7363.8	7375.7	7286.4	7310.2	7429.3	7482.9
5°	6268.5	6208.9	6078.0	6036.3	6042.3	5964.9	5994.6	6036.3	6101.8	6137.5	6244.7
7.5°	4518.3	4655.2	4649.3	4750.5	4756.4	4744.5	4661.2	4482.6	4542.1	4494.5	4554.0
10°	3232.5	3292.0	3405.1	3470.6	3589.6	3524.2	3333.7	3262.2	3226.5	3220.5	3280.1
12.5°	2583.6	2440.7	2428.8	2452.6	2512.1	2434.8	2339.5	2256.2	2297.8	2381.2	2446.7
15°	2000.2	1881.1	1726.4	1702.5	1714.5	1678.7	1577.5	1470.4	1500.1	1583.5	1631.1
17.5°	1535.9	1398.9	1291.8	1220.4	1196.5	1071.5	922.7	833.4	809.6	803.6	845.3
20°	1035.8	1012.0	994.1	904.8	904.8	726.3	601.2	535.8	535.8	547.7	553.6
22.5°	773.9	744.1	750.1	732.2	684.6	541.7	476.2	458.4	458.4	470.3	470.3
25°	672.7	631.0	619.1	613.2	565.5	464.3	416.7	398.8	398.8	410.8	410.8
27.5°	571.5	559.6	541.7	517.9	476.2	398.8	369.1	351.2	357.2	363.1	357.2
30°	523.9	494.1	470.3	470.3	422.7	357.2	333.4	321.5	309.6	321.5	327.4
32.5°	464.3	446.5	434.6	416.7	363.1	315.5	291.7	279.8	273.8	273.8	279.8
35°	398.8	398.8	386.9	363.1	315.5	285.7	256.0	244.1	238.1	244.1	244.1
37.5°	357.2	339.3	345.3	321.5	279.8	250.0	220.3	208.4	208.4	202.4	208.4
40°	333.4	303.6	285.7	273.8	250.0	214.3	190.5	178.6	172.6	172.6	172.6
42.5°	297.6	273.8	238.1	232.2	226.2	184.5	154.8	148.8	142.9	136.9	136.9
45°	279.8	244.1	214.3	184.5	184.5	154.8	131.0	119.1	113.1	107.2	113.1
47.5°	256.0	220.3	184.5	154.8	148.8	125.0	101.2	89.3	83.3	83.3	83.3
50°	244.1	196.4	160.7	131.0	113.1	101.2	77.4	65.5	59.5	59.5	59.5
52.5°	226.2	184.5	142.9	113.1	89.3	77.4	59.5	47.6	41.7	41.7	41.7
55°	202.4	166.7	125.0	95.2	77.4	59.5	41.7	29.8	23.8	23.8	23.8
57.5°	190.5	148.8	107.2	83.3	59.5	41.7	23.8	17.9	17.9	11.9	17.9
60°	172.6	131.0	89.3	65.5	47.6	29.8	17.9	6.0	6.0	6.0	6.0
62.5°	148.8	113.1	77.4	53.6	35.7	17.9	6.0	0.0	0.0	0.0	0.0
65°	125.0	89.3	59.5	41.7	23.8	6.0	0.0	0.0	0.0	0.0	0.0
67.5°	107.2	77.4	47.6	29.8	17.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	95.2	65.5	35.7	23.8	6.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	77.4	53.6	29.8	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	65.5	41.7	17.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	53.6	29.8	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	41.7	23.8	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	35.7	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	23.8	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P599382
 CATALOG NUMBER: IFLD-S-SA6C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8	8381.8
2.5°	7560.3	7524.5	7703.1	7994.8	8143.6	8435.3	8506.8	8691.3	8643.7	8709.2
5°	6256.6	6328.0	6589.9	7018.5	7173.3	7596.0	7994.8	8393.7	8649.6	8774.7
7.5°	4643.3	4881.4	5202.9	5595.8	5994.6	6548.3	7226.9	7691.2	7941.2	8209.1
10°	3458.7	3714.6	4083.7	4470.7	5119.5	5738.7	6417.3	6994.7	7209.0	7459.1
12.5°	2720.5	3119.3	3548.0	3964.7	4351.6	4941.0	5780.3	6619.7	6851.9	7042.3
15°	1893.0	2381.2	2994.3	3536.1	4077.8	4589.7	5458.9	6476.8	6792.3	7113.8
17.5°	1047.7	1434.7	2137.1	2899.1	3696.8	4482.6	5566.0	6738.7	7215.0	7441.2
20°	607.2	762.0	1262.0	2166.9	3220.5	4250.4	5619.6	7232.8	7863.9	7977.0
22.5°	500.0	553.6	714.4	1357.3	2637.2	4101.6	5893.4	7923.4	8566.3	8834.2
25°	428.6	470.3	553.6	815.6	1994.2	3786.1	6066.1	8786.6	9381.9	9673.6
27.5°	381.0	422.7	488.1	601.2	1357.3	3351.5	6351.8	9566.4	10161.7	10560.5
30°	333.4	369.1	434.6	512.0	940.6	2863.4	6595.9	10137.9	10977.3	11102.3
32.5°	297.6	327.4	375.0	440.5	696.5	2172.8	6792.3	10727.2	11435.6	11709.5
35°	256.0	291.7	321.5	375.0	529.8	1637.1	6673.3	11185.6	12108.3	12435.7
37.5°	226.2	250.0	279.8	315.5	446.5	1279.9	6429.2	11733.3	12685.8	12989.4
40°	190.5	208.4	244.1	279.8	404.8	988.2	6149.4	12394.1	13495.4	14031.1
42.5°	160.7	178.6	202.4	261.9	333.4	732.2	5583.9	12906.0	14150.2	14602.6
45°	125.0	148.8	184.5	261.9	267.9	541.7	5000.5	13287.0	14519.3	14745.5
47.5°	95.2	119.1	178.6	226.2	214.3	375.0	4309.9	13721.6	14900.3	15108.6
50°	71.4	95.2	202.4	196.4	178.6	285.7	3875.4	14025.2	14924.1	15037.2
52.5°	47.6	71.4	166.7	148.8	148.8	250.0	3756.3	14013.3	14983.6	14739.5
55°	35.7	53.6	95.2	107.2	131.0	220.3	3649.2	14459.7	15001.5	15174.1
57.5°	23.8	41.7	65.5	83.3	113.1	190.5	3428.9	14995.5	15555.1	15644.4
60°	11.9	29.8	47.6	65.5	95.2	166.7	3119.3	15388.4	16227.8	16323.0
62.5°	6.0	17.9	35.7	53.6	77.4	131.0	2797.9	14763.3	15936.1	16102.7
65°	0.0	11.9	23.8	35.7	47.6	95.2	2274.0	13328.7	14781.2	15394.3
67.5°	0.0	0.0	11.9	23.8	29.8	71.4	1714.5	12126.2	13715.6	14549.0
70°	0.0	0.0	6.0	6.0	17.9	53.6	1095.3	10042.6	12245.2	12703.6
72.5°	0.0	0.0	0.0	0.0	6.0	35.7	637.0	7459.1	9596.2	10447.4
75°	0.0	0.0	0.0	0.0	0.0	29.8	321.5	4798.1	6679.2	7822.2
77.5°	0.0	0.0	0.0	0.0	0.0	23.8	172.6	3095.5	4923.1	5881.5
80°	0.0	0.0	0.0	0.0	0.0	6.0	101.2	1797.8	3149.1	3815.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	41.7	881.0	1881.1	2202.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	11.9	470.3	940.6	1238.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.9	65.5	125.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)