

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: P598861

Luminaire Tested: **IFLD-S-SA6D-722-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598861  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6D-722-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (96) 2200K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

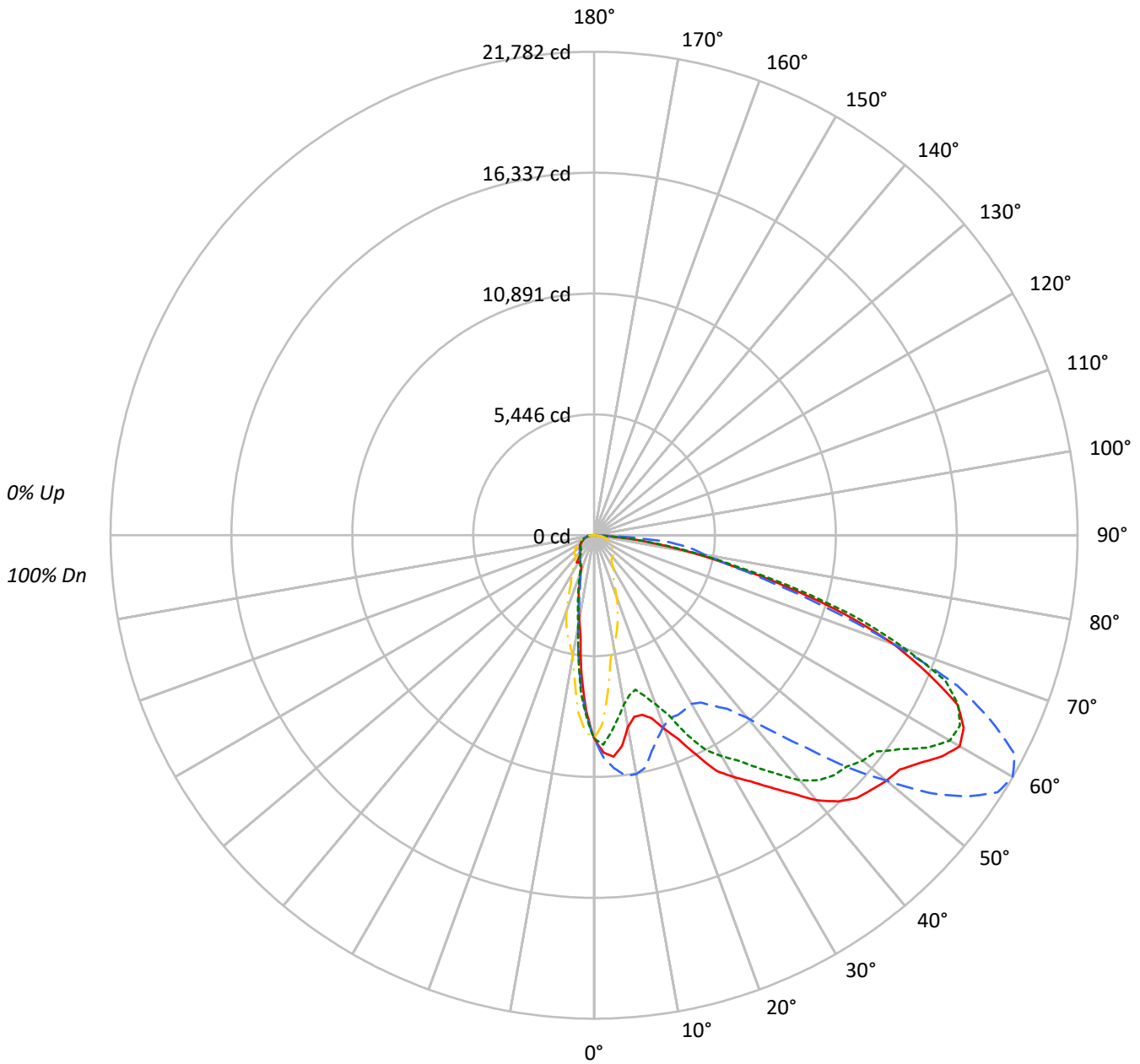
Lumens per Lamp: N/A  
 Luminaire Lumens: 28647.2 lumens  
 Efficiency: N/A  
 Efficacy: 77.8 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

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

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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	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°	65658	65658	65658	65658
5°	72134	64078	45953	50164
10°	63893	56393	27872	29909
15°	62216	53530	19732	20486
20°	70940	61914	12907	14266
25°	86432	78483	11269	11672
30°	104141	95190	11688	10846
35°	121455	111770	9685	9129
40°	145946	134995	9047	8571
45°	169846	155144	9157	8511
50°	191949	176344	9363	8796
55°	223856	210183	9698	9222
60°	273029	265552	9666	9666
65°	306837	307269	9926	10358
70°	301557	312221	10398	10665
75°	248752	265310	10921	11628
80°	179601	188531	12079	12604
85°	99403	106722	13602	16739

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	710.8	2.5
10°-20°	1500.8	5.2
20°-30°	2195.8	7.7
30°-40°	3093.7	10.8
40°-50°	4251.7	14.8
50°-60°	5794.6	20.2
60°-70°	6341.9	22.1
70°-80°	3661.4	12.8
80°-90°	1096.5	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°	4407.4	15.4
0°-40°	7501.1	26.2
0°-60°	17547.4	61.3
0°-90°	28647.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28647.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9150	9150	9150	9150	9150	
5°	10014	8896	6379	6964	10014	909
15°	8375	7205	2656	2758	8375	2447
25°	10916	9912	1423	1474	10916	5112
35°	13864	12759	1106	1042	13864	8791
45°	16736	15288	902	839	16736	12863
55°	17893	16800	775	737	17893	16145
65°	18071	18096	585	610	18071	17296
75°	8972	9569	394	419	8972	9638
85°	1207	1296	165	203	1207	1675
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°	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8
2.5°	9797.9	9759.7	9797.9	9937.7	9975.8	10039.3	10039.3	9950.4	9785.2	9708.9	9581.8
5°	10013.9	9950.4	10268.1	10560.4	10789.1	10763.7	10547.6	10369.7	10039.3	9543.7	9073.5
7.5°	9581.8	9645.4	9874.1	10636.6	11170.3	11272.0	10928.9	10573.1	9861.4	9175.2	8539.8
10°	8768.5	8857.5	9353.1	10141.0	10979.7	11144.9	10928.9	10496.8	9645.4	8793.9	8056.9
12.5°	8374.6	8577.9	8870.2	9823.3	10420.6	10814.5	10712.8	10433.3	9480.2	8476.2	7764.6
15°	8374.6	8425.4	8857.5	9658.1	10001.2	10013.9	10052.0	10102.9	9531.0	8616.0	7662.9
17.5°	8641.4	8781.2	9149.8	9645.4	9708.9	9556.4	9556.4	9772.5	9632.7	9010.0	8031.5
20°	9289.6	9238.7	9721.6	9925.0	9581.8	9200.6	9162.5	9531.0	9747.0	9429.3	8705.0
22.5°	9937.7	10166.4	10560.4	10102.9	9467.5	8959.1	8908.3	9365.8	10090.2	10153.7	9480.2
25°	10916.2	11144.9	11348.2	10789.1	9454.8	8895.6	8933.7	9289.6	10509.5	11183.0	10776.4
27.5°	11970.9	12110.7	12403.0	11538.9	9759.7	8819.4	8857.5	9391.2	10903.5	11856.6	11793.0
30°	12568.2	12720.7	12657.2	11678.7	9963.1	8870.2	8768.5	9531.0	10687.4	11856.6	12453.8
32.5°	13152.8	13063.8	13025.7	11907.4	10217.2	9187.9	8933.7	9823.3	10814.5	12047.2	13305.3
35°	13864.4	13737.4	13635.7	12352.2	10636.6	9492.9	9378.5	10204.5	11094.1	12441.1	13991.5
37.5°	14652.3	14652.3	14156.7	12682.6	11132.2	9988.5	9861.4	10751.0	11538.9	12682.6	14931.9
40°	15580.0	15618.1	14741.3	13127.4	11691.4	10776.4	10738.3	11462.6	11970.9	13038.4	15834.2
42.5°	16266.2	16291.7	15249.6	13292.6	12339.5	11869.3	12034.5	12606.3	12466.6	13356.1	15897.7
45°	16736.4	16609.4	15605.4	13762.8	13051.1	13508.6	13559.4	13724.6	13114.7	13546.7	16151.9
47.5°	16965.2	16939.8	15757.9	14309.2	14550.7	15173.4	15465.6	15236.9	13711.9	13343.4	16151.9
50°	17193.9	16977.9	15897.7	15059.0	16012.1	17270.2	17206.6	16787.3	14538.0	13597.6	15910.4
52.5°	17346.4	17155.8	16177.3	15732.5	17410.0	18833.3	19087.4	18312.2	15503.8	14067.8	16024.8
55°	17892.9	17740.4	17016.0	16647.5	19023.9	20485.3	20523.4	19443.2	16520.4	14843.0	16774.6
57.5°	18553.7	18642.6	18172.4	17943.7	20256.6	21692.6	21552.8	20282.0	17384.6	15783.3	17638.7
60°	19023.9	19163.7	19049.3	19074.7	20866.5	22099.2	21781.5	20803.0	18020.0	16495.0	18693.5
62.5°	18769.7	19049.3	19519.5	19417.8	20892.0	21806.9	21362.2	20116.8	18096.2	17422.7	19494.1
65°	18070.8	18096.2	19011.2	19570.3	19748.2	20294.7	19710.1	18680.8	17308.3	17994.5	19379.7
67.5°	16279.0	16482.3	17308.3	18401.2	17651.4	17778.5	17727.7	16240.8	16113.8	17600.6	18502.9
70°	14372.8	14512.5	15414.8	16698.3	14906.5	14309.2	14423.6	13318.0	13839.0	16380.6	16736.4
72.5°	11882.0	11970.9	13000.3	14131.3	11958.2	10890.8	11157.6	10255.4	10992.4	14334.6	14118.6
75°	8971.9	9137.1	9937.7	11272.0	8806.6	8120.4	8387.3	8018.8	8705.0	11805.7	10954.3
77.5°	6379.4	6252.3	7243.6	8819.4	6620.9	6214.2	6239.6	6303.2	7040.2	9950.4	7866.3
80°	4346.1	4384.3	5273.8	6468.4	5197.6	5134.0	5070.5	5578.8	5909.2	7879.0	5718.6
82.5°	2579.7	2579.7	3558.2	4600.3	4104.7	4625.7	4333.4	4790.9	4625.7	5794.9	3748.9
85°	1207.3	1207.3	1830.0	3316.8	3177.0	3812.4	3240.5	3621.8	3418.5	4041.1	1690.2
87.5°	203.3	177.9	368.5	1626.6	1308.9	1486.8	584.6	1931.6	2147.7	2821.2	419.4
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°	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8
2.5°	9442.0	9353.1	9175.2	8946.4	8755.8	8514.4	8438.1	8272.9	8044.2	8018.8	7917.1
5°	8895.6	8590.6	8209.4	7739.2	7421.5	7091.1	6811.5	6646.3	6455.7	6430.3	6379.4
7.5°	8298.3	7917.1	7281.7	6722.5	6176.1	5655.1	5400.9	5083.2	4867.2	4702.0	4625.7
10°	7739.2	7383.4	6595.5	5833.0	5350.1	5007.0	4702.0	4371.6	4104.7	3901.4	3825.1
12.5°	7370.6	6951.3	6099.8	5375.5	5019.7	4625.7	4282.6	3926.8	3583.7	3316.8	3177.0
15°	7205.4	6811.5	5947.3	5146.7	4625.7	4079.3	3685.3	3329.5	2910.1	2719.5	2656.0
17.5°	7599.4	7014.8	5896.5	4879.9	4142.8	3520.1	3037.2	2656.0	2351.0	2160.4	2084.1
20°	8107.7	7383.4	5985.5	4562.2	3685.3	2986.4	2452.6	2046.0	1842.7	1702.9	1690.2
22.5°	8755.8	7929.8	6125.3	4333.4	3177.0	2401.8	1918.9	1677.5	1537.7	1525.0	1499.5
25°	9912.2	8921.0	6354.0	4028.4	2770.3	1982.4	1639.3	1499.5	1436.0	1397.9	1423.3
27.5°	10903.5	9569.1	6519.2	3837.8	2605.1	1868.1	1588.5	1436.0	1372.5	1359.8	1372.5
30°	11488.0	10166.4	6468.4	3482.0	2274.7	1779.1	1690.2	1639.3	1512.3	1410.6	1410.6
32.5°	12021.8	10547.6	6455.7	3164.3	1944.3	1486.8	1410.6	1372.5	1448.7	1499.5	1461.4
35°	12758.8	11144.9	6417.5	2986.4	1804.5	1372.5	1245.4	1143.7	1092.9	1067.5	1105.6
37.5°	13546.7	11551.6	6315.9	2961.0	1728.3	1308.9	1207.3	1105.6	1054.8	1029.3	1016.6
40°	14410.9	11983.6	6201.5	2833.9	1690.2	1270.8	1169.1	1080.2	1016.6	978.5	965.8
42.5°	14970.0	12326.8	6087.1	2770.3	1613.9	1245.4	1131.0	1054.8	991.2	940.4	940.4
45°	15287.7	12733.4	5972.8	2706.8	1525.0	1258.1	1131.0	1029.3	953.1	927.7	902.3
47.5°	15427.5	13038.4	5934.6	2605.1	1448.7	1207.3	1105.6	1003.9	927.7	876.9	864.1
50°	15796.1	13686.5	6074.4	2528.9	1359.8	1156.4	1169.1	991.2	915.0	851.4	838.7
52.5°	16012.1	14207.6	6379.4	2414.5	1296.2	1092.9	1143.7	965.8	876.9	813.3	813.3
55°	16800.0	15071.7	6709.8	2325.6	1220.0	1003.9	1054.8	915.0	813.3	775.2	775.2
57.5°	17803.9	15986.7	6989.4	2287.4	1169.1	940.4	940.4	889.6	775.2	724.4	711.6
60°	18502.9	16736.4	7154.6	2262.0	1118.3	876.9	838.7	889.6	737.1	686.2	673.5
62.5°	18579.1	16304.4	6989.4	2249.3	1105.6	813.3	762.5	851.4	698.9	648.1	622.7
65°	18096.2	15427.5	6531.9	2198.5	1092.9	749.8	711.6	737.1	648.1	610.0	584.6
67.5°	17130.4	14004.2	5871.1	2173.1	1080.2	698.9	648.1	635.4	597.3	559.2	533.7
70°	14881.1	12148.9	5095.9	2058.7	1054.8	660.8	584.6	571.9	533.7	508.3	495.6
72.5°	12492.0	9937.7	4206.4	1906.2	1003.9	597.3	533.7	508.3	495.6	457.5	444.8
75°	9569.1	7650.2	3367.6	1690.2	876.9	533.7	470.2	444.8	432.1	406.7	393.9
77.5°	6722.5	5693.2	2490.8	1372.5	737.1	482.9	419.4	393.9	381.2	343.1	343.1
80°	4562.2	3990.3	1690.2	953.1	571.9	393.9	368.5	343.1	317.7	292.3	292.3
82.5°	2833.9	2795.8	1220.0	622.7	419.4	317.7	292.3	292.3	254.2	228.7	228.7
85°	1296.2	1715.6	851.4	432.1	317.7	241.5	241.5	228.7	203.3	165.2	165.2
87.5°	406.7	571.9	444.8	190.6	177.9	139.8	139.8	127.1	127.1	101.7	101.7
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°	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8
2.5°	8018.8	8006.0	8006.0	7955.2	8082.3	8082.3	8158.5	8095.0	8133.1	8145.8	8247.5
5°	6366.7	6468.4	6544.6	6697.1	6786.1	6824.2	6824.2	6925.9	6887.7	6964.0	7116.5
7.5°	4663.8	4790.9	5019.7	5210.3	5362.8	5413.6	5400.9	5426.3	5464.4	5375.5	5400.9
10°	3774.3	3685.3	3761.6	3939.5	4079.3	4244.5	4117.4	4104.7	4142.8	4104.7	4180.9
12.5°	3151.6	3049.9	2986.4	2986.4	3088.0	3164.3	3126.2	3189.7	3329.5	3367.6	3456.6
15°	2554.3	2465.4	2414.5	2351.0	2452.6	2478.1	2516.2	2605.1	2706.8	2757.6	2859.3
17.5°	2046.0	2046.0	2046.0	1995.2	2033.3	2071.4	2084.1	2198.5	2211.2	2262.0	2300.1
20°	1677.5	1715.6	1779.1	1804.5	1842.7	1842.7	1817.2	1880.8	1830.0	1868.1	1893.5
22.5°	1512.3	1563.1	1588.5	1601.2	1652.0	1664.7	1601.2	1613.9	1626.6	1588.5	1601.2
25°	1423.3	1448.7	1423.3	1436.0	1448.7	1423.3	1436.0	1461.4	1448.7	1474.1	1461.4
27.5°	1385.2	1359.8	1347.0	1334.3	1334.3	1308.9	1321.6	1321.6	1347.0	1359.8	1359.8
30°	1385.2	1347.0	1296.2	1258.1	1258.1	1220.0	1245.4	1270.8	1283.5	1308.9	1308.9
32.5°	1423.3	1347.0	1258.1	1220.0	1181.8	1156.4	1181.8	1220.0	1270.8	1283.5	1296.2
35°	1131.0	1169.1	1156.4	1105.6	1092.9	1092.9	1080.2	1080.2	1042.1	1042.1	1029.3
37.5°	1016.6	1003.9	1029.3	1042.1	1054.8	1016.6	1016.6	965.8	953.1	965.8	965.8
40°	953.1	953.1	953.1	991.2	1003.9	978.5	940.4	915.0	915.0	915.0	927.7
42.5°	927.7	902.3	889.6	915.0	953.1	927.7	889.6	876.9	876.9	889.6	889.6
45°	889.6	876.9	864.1	851.4	902.3	864.1	851.4	838.7	838.7	838.7	851.4
47.5°	851.4	838.7	813.3	813.3	826.0	813.3	800.6	800.6	800.6	826.0	826.0
50°	826.0	813.3	787.9	787.9	787.9	787.9	775.2	775.2	775.2	787.9	800.6
52.5°	787.9	775.2	762.5	749.8	749.8	749.8	749.8	749.8	749.8	762.5	775.2
55°	749.8	737.1	724.4	724.4	737.1	737.1	724.4	737.1	724.4	737.1	749.8
57.5°	711.6	698.9	686.2	698.9	711.6	698.9	698.9	698.9	698.9	698.9	711.6
60°	660.8	660.8	660.8	660.8	686.2	686.2	686.2	686.2	660.8	673.5	686.2
62.5°	635.4	622.7	622.7	635.4	648.1	648.1	660.8	648.1	635.4	648.1	648.1
65°	584.6	584.6	584.6	597.3	597.3	610.0	610.0	610.0	597.3	610.0	610.0
67.5°	546.4	546.4	546.4	546.4	571.9	571.9	571.9	571.9	559.2	559.2	571.9
70°	482.9	495.6	482.9	508.3	533.7	521.0	533.7	533.7	521.0	508.3	533.7
72.5°	444.8	444.8	444.8	444.8	482.9	482.9	482.9	495.6	482.9	470.2	482.9
75°	393.9	393.9	393.9	406.7	432.1	432.1	432.1	432.1	432.1	419.4	419.4
77.5°	343.1	355.8	343.1	355.8	381.2	368.5	381.2	393.9	381.2	368.5	368.5
80°	292.3	292.3	292.3	305.0	317.7	317.7	317.7	330.4	317.7	305.0	305.0
82.5°	228.7	228.7	241.5	241.5	254.2	254.2	254.2	266.9	254.2	241.5	241.5
85°	177.9	177.9	177.9	190.6	190.6	203.3	203.3	216.0	216.0	203.3	203.3
87.5°	114.4	101.7	114.4	114.4	127.1	127.1	114.4	101.7	114.4	101.7	89.0
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: P598861  
 CATALOG NUMBER: IFLD-S-SA6D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8	9149.8
2.5°	8349.2	8577.9	8743.1	8857.5	9022.7	9340.4	9467.5	9696.2	9759.7	9797.9
5°	7180.0	7421.5	7777.3	8031.5	8323.7	8921.0	9378.5	9721.6	9874.1	10013.9
7.5°	5629.6	5947.3	6315.9	6646.3	7129.2	7866.3	8463.5	9175.2	9442.0	9581.8
10°	4397.0	4689.3	5095.9	5502.6	6176.1	6798.8	7650.2	8298.3	8666.9	8768.5
12.5°	3710.7	4053.9	4536.8	5032.4	5451.7	6163.4	7027.5	7967.9	8311.0	8374.6
15°	3151.6	3621.8	4117.4	4625.7	5108.6	5731.3	6659.0	7802.7	8311.0	8374.6
17.5°	2605.1	3024.5	3609.1	4155.5	4714.7	5566.1	6722.5	7942.5	8450.8	8641.4
20°	2071.4	2478.1	2935.5	3621.8	4384.3	5286.5	6862.3	8412.7	9086.2	9289.6
22.5°	1715.6	1893.5	2338.3	2999.1	3901.4	5095.9	7002.1	9149.8	9861.4	9937.7
25°	1499.5	1626.6	1906.2	2528.9	3520.1	4968.8	7332.5	10001.2	10916.2	10916.2
27.5°	1397.9	1448.7	1639.3	2198.5	3253.2	4854.5	7662.9	10941.6	11793.0	11970.9
30°	1372.5	1499.5	1601.2	1957.0	2961.0	4536.8	7967.9	11678.7	12555.5	12568.2
32.5°	1347.0	1321.6	1397.9	1702.9	2605.1	4206.4	8222.1	12428.4	13114.7	13152.8
35°	1054.8	1105.6	1232.7	1499.5	2338.3	3964.9	8349.2	12835.1	13826.3	13864.4
37.5°	991.2	1054.8	1156.4	1385.2	2160.4	3761.6	8387.3	13623.0	14576.1	14652.3
40°	965.8	1016.6	1092.9	1283.5	2020.6	3507.4	8463.5	14436.3	15681.7	15580.0
42.5°	915.0	978.5	1054.8	1232.7	1906.2	3316.8	8476.2	14881.1	16266.2	16266.2
45°	902.3	940.4	1029.3	1232.7	1779.1	3151.6	8272.9	15325.9	16939.8	16736.4
47.5°	851.4	927.7	1003.9	1194.6	1626.6	2986.4	8031.5	15554.6	17028.7	16965.2
50°	838.7	915.0	1042.1	1131.0	1537.7	2910.1	7980.6	16126.5	17206.6	17193.9
52.5°	813.3	889.6	1080.2	1080.2	1423.3	2808.5	8222.1	16380.6	17244.8	17346.4
55°	775.2	889.6	1003.9	991.2	1321.6	2681.4	8488.9	17041.4	17918.3	17892.9
57.5°	749.8	864.1	953.1	902.3	1207.3	2592.4	8882.9	17676.8	18731.6	18553.7
60°	711.6	864.1	851.4	838.7	1118.3	2516.2	9213.3	17803.9	18909.5	19023.9
62.5°	686.2	902.3	749.8	775.2	1042.1	2478.1	9073.5	16850.8	18668.1	18769.7
65°	660.8	775.2	686.2	711.6	1016.6	2401.8	8527.1	15707.1	17626.0	18070.8
67.5°	610.0	635.4	635.4	660.8	991.2	2223.9	7408.8	13648.4	16037.5	16279.0
70°	559.2	571.9	571.9	610.0	965.8	2020.6	6112.6	11805.7	13915.3	14372.8
72.5°	508.3	508.3	508.3	559.2	889.6	1855.4	5032.4	9073.5	11564.3	11882.0
75°	444.8	444.8	444.8	495.6	800.6	1690.2	3964.9	6748.0	8514.4	8971.9
77.5°	393.9	393.9	381.2	444.8	698.9	1372.5	2859.3	4765.5	5998.2	6379.4
80°	330.4	317.7	317.7	355.8	546.4	991.2	1842.7	3367.6	4180.9	4346.1
82.5°	266.9	254.2	241.5	266.9	393.9	622.7	1143.7	2351.0	2681.4	2579.7
85°	254.2	266.9	216.0	203.3	279.6	406.7	724.4	1448.7	1207.3	1207.3
87.5°	101.7	89.0	89.0	76.2	139.8	152.5	317.7	266.9	203.3	203.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)