

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: P598611

Luminaire Tested: **IFLD-L-SA7E-722-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598611
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7E-722-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (112) 2200K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

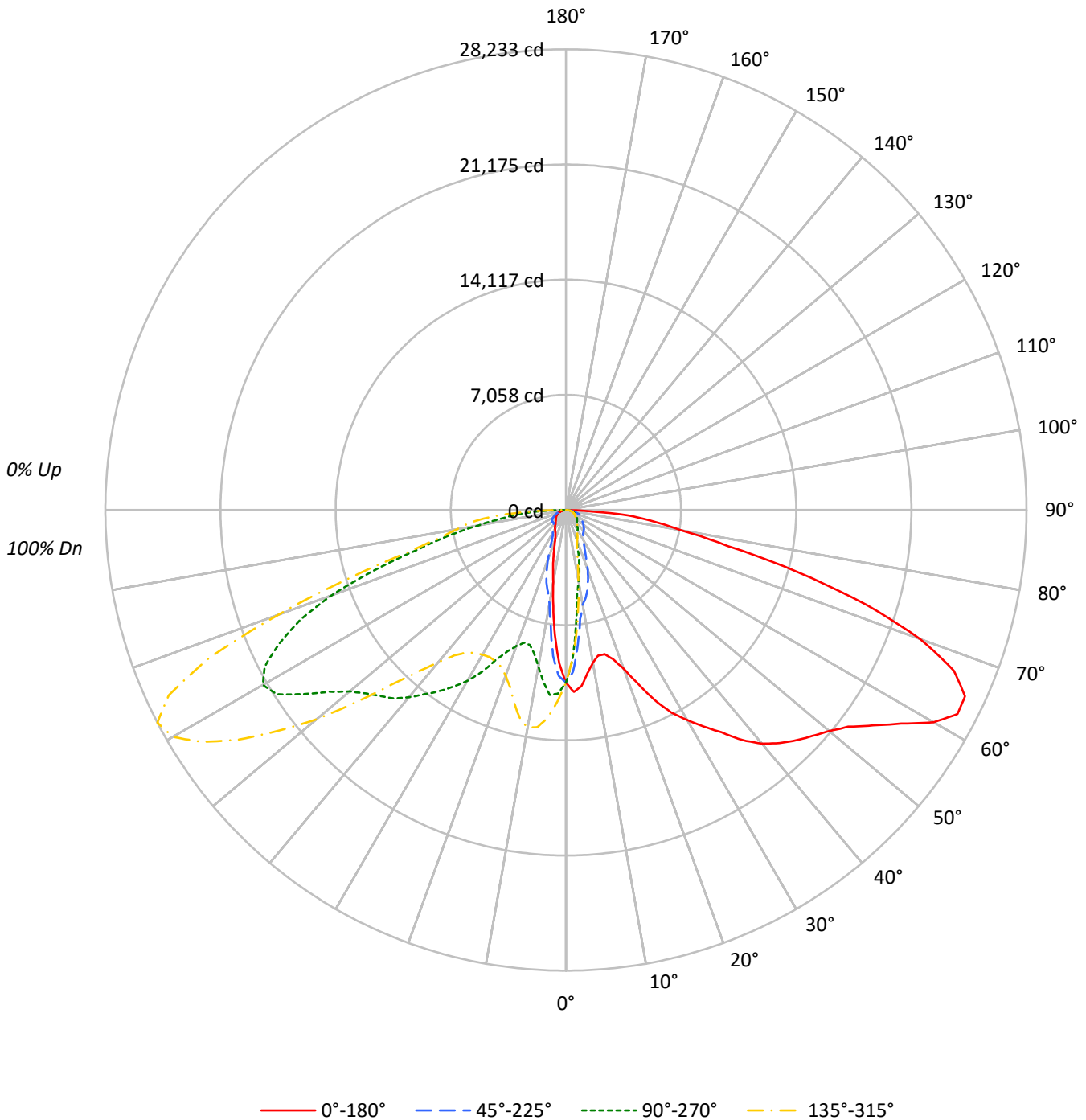
Lumens per Lamp: N/A
 Luminaire Lumens: 35368.9 lumens
 Efficiency: N/A
 Efficacy: 66.4 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 532.7
 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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	56862	56862	56862	56862
5°	58518	38053	41570	61476
10°	51917	24179	24422	53130
15°	50953	17149	16242	47655
20°	59240	10848	10933	50765
25°	76185	9314	9051	60016
30°	92327	8828	8277	75131
35°	109277	7778	7486	89055
40°	131303	7381	6861	105208
45°	151933	7320	6645	122650
50°	176428	7433	6691	144834
55°	215905	7637	6804	184526
60°	280010	7646	7168	230793
65°	343717	7726	7349	247047
70°	363709	8150	7684	240533
75°	306163	8615	7692	196313
80°	222431	10088	7798	169689
85°	235747	14623	6397	176355

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	817.7	2.3
10°-20°	1711.3	4.8
20°-30°	2466.1	7.0
30°-40°	3550.2	10.0
40°-50°	5042.8	14.3
50°-60°	7250.2	20.5
60°-70°	8376.3	23.7
70°-80°	4742.8	13.4
80°-90°	1411.5	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°	4995.0	14.1
0°-40°	8545.3	24.2
0°-60°	20838.2	58.9
0°-90°	35368.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35368.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10565	10565	10565	10565	10565	
5°	10832	7044	7695	11379	10832	983
15°	9145	3078	2915	8553	9145	2689
25°	12829	1568	1524	10107	12829	5955
35°	16632	1184	1139	13554	16632	10556
45°	19962	962	873	16114	19962	15457
55°	23010	814	725	19666	23010	20839
65°	26990	607	577	19399	26990	25882
75°	14723	414	370	9441	14723	15622
85°	3818	237	104	2856	3818	3802
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°	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3
2.5°	11157.2	11142.4	11053.6	10772.5	10476.5	10195.4	9929.0	9647.9	9499.9	9322.3	9248.4
5°	10831.7	10802.1	10550.5	9929.0	9381.5	8789.6	8286.5	7887.0	7561.5	7235.9	7117.5
7.5°	10091.8	10047.4	9751.5	8893.2	8094.2	7324.7	6718.0	6200.1	5771.0	5578.6	5356.7
10°	9499.9	9425.9	9041.2	8094.2	7058.3	6288.9	5889.4	5534.2	5164.3	4853.5	4528.0
12.5°	9130.0	9041.2	8641.7	7531.9	6525.6	5948.5	5534.2	5134.7	4676.0	4291.2	3936.1
15°	9144.8	9041.2	8552.9	7383.9	6392.5	5652.6	5075.5	4528.0	3995.3	3566.2	3166.6
17.5°	9573.9	9440.7	8922.8	7591.1	6288.9	5267.9	4498.4	3788.1	3181.4	2722.7	2397.2
20°	10343.4	10254.6	9662.7	7901.8	6185.3	4853.5	3906.5	3048.3	2412.0	2056.8	1923.7
22.5°	11497.6	11394.0	10757.7	8375.3	6155.7	4483.6	3270.2	2397.2	1938.5	1790.5	1716.5
25°	12829.3	12637.0	12045.1	9174.4	6214.9	4143.3	2752.3	1982.8	1731.3	1627.7	1583.3
27.5°	13983.5	13865.1	13199.3	9929.0	6244.5	3876.9	2397.2	1805.3	1612.9	1524.1	1494.5
30°	14856.6	14812.2	14161.1	10757.7	6170.5	3551.4	2175.2	1731.3	1612.9	1524.1	1435.3
32.5°	15729.6	15744.4	15048.9	11394.0	6066.9	3270.2	1968.1	1538.9	1420.5	1361.4	1376.2
35°	16632.3	16706.2	16114.3	12015.5	5845.0	3166.6	1820.1	1435.3	1331.8	1243.0	1198.6
37.5°	17771.7	17964.0	17386.9	12710.9	5623.0	3077.9	1746.1	1361.4	1257.8	1183.8	1124.6
40°	18689.1	19044.2	18703.9	13362.0	5475.0	2974.3	1686.9	1287.4	1213.4	1124.6	1080.2
42.5°	19369.8	19784.1	19665.7	13865.1	5475.0	2870.7	1627.7	1243.0	1183.8	1080.2	1021.0
45°	19961.7	20390.8	20376.0	14383.1	5593.4	2811.5	1553.7	1243.0	1154.2	1050.6	991.4
47.5°	20494.4	20923.5	21071.5	15034.1	5785.8	2781.9	1464.9	1213.4	1154.2	1035.8	947.0
50°	21071.5	21545.0	21988.9	16070.0	6022.5	2707.9	1405.8	1169.0	1169.0	1021.0	917.4
52.5°	21811.3	22344.0	23157.9	17357.3	6259.3	2574.7	1317.0	1139.4	1169.0	1006.2	887.8
55°	23009.9	23453.8	24519.3	18896.3	6555.2	2412.0	1243.0	1065.4	1109.8	961.8	843.5
57.5°	24356.5	24741.2	25629.1	20080.0	6644.0	2204.8	1139.4	991.4	1065.4	917.4	784.3
60°	26013.8	26206.2	26206.2	20420.4	6348.1	2012.4	1065.4	932.2	961.8	873.0	739.9
62.5°	27064.4	27064.4	26206.2	19798.9	5785.8	1849.7	1006.2	873.0	843.5	813.9	695.5
65°	26990.4	26872.0	25599.5	17993.6	5134.7	1746.1	947.0	799.1	754.7	739.9	651.1
67.5°	25747.4	25540.3	23809.0	15448.5	4454.0	1701.7	887.8	725.1	695.5	665.9	591.9
70°	23113.5	22580.8	20450.0	12429.8	3788.1	1672.1	873.0	665.9	636.3	606.7	547.5
72.5°	19295.8	18615.1	15966.4	9559.1	3181.4	1568.5	828.7	591.9	577.1	547.5	488.3
75°	14723.4	13465.6	11142.4	7309.9	2471.2	1361.4	710.3	517.9	517.9	503.1	443.9
77.5°	10151.0	9499.9	7768.6	5401.0	1805.3	1050.6	577.1	458.7	458.7	473.5	414.3
80°	7176.7	6570.0	5534.2	3876.9	1139.4	710.3	443.9	384.7	429.1	458.7	384.7
82.5°	5489.8	5045.9	4113.7	2826.3	665.9	488.3	340.3	310.7	369.9	399.5	325.5
85°	3817.7	3285.0	2086.4	1894.1	384.7	295.9	251.6	251.6	325.5	399.5	295.9
87.5°	1080.2	458.7	133.2	562.3	162.8	118.4	88.8	59.2	88.8	88.8	59.2
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°	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3
2.5°	9174.4	9085.6	9085.6	9056.0	9070.8	9085.6	9070.8	9174.4	9218.8	9278.0	9396.3
5°	7043.6	7161.9	7073.1	7161.9	7280.3	7457.9	7502.3	7635.4	7650.2	7753.8	7694.6
7.5°	5223.5	5208.7	5134.7	5238.3	5563.8	5815.4	5933.7	6007.7	6022.5	6022.5	5948.5
10°	4424.4	4291.2	4158.1	4084.1	4113.7	4380.0	4468.8	4513.2	4483.6	4528.0	4468.8
12.5°	3788.1	3669.7	3477.4	3344.2	3255.4	3329.4	3418.2	3462.6	3492.2	3566.2	3625.4
15°	3077.9	2959.5	2841.1	2767.1	2693.1	2633.9	2707.9	2752.3	2826.3	2885.5	2915.1
17.5°	2338.0	2278.8	2219.6	2264.0	2264.0	2234.4	2264.0	2278.8	2308.4	2352.8	2338.0
20°	1894.1	1879.3	1864.5	1938.5	1997.6	1997.6	2027.2	1982.8	1968.1	1923.7	1908.9
22.5°	1686.9	1686.9	1701.7	1760.9	1820.1	1849.7	1849.7	1775.7	1701.7	1672.1	1686.9
25°	1568.5	1568.5	1612.9	1627.7	1657.3	1657.3	1672.1	1598.1	1553.7	1509.3	1524.1
27.5°	1479.7	1479.7	1494.5	1494.5	1509.3	1509.3	1524.1	1494.5	1435.3	1420.5	1420.5
30°	1420.5	1420.5	1405.8	1405.8	1405.8	1405.8	1420.5	1376.2	1346.6	1331.8	1331.8
32.5°	1361.4	1346.6	1331.8	1331.8	1317.0	1317.0	1331.8	1287.4	1272.6	1272.6	1272.6
35°	1183.8	1169.0	1183.8	1213.4	1213.4	1228.2	1228.2	1213.4	1183.8	1154.2	1139.4
37.5°	1109.8	1095.0	1095.0	1095.0	1124.6	1139.4	1154.2	1124.6	1080.2	1035.8	1035.8
40°	1050.6	1050.6	1035.8	1035.8	1035.8	1065.4	1095.0	1050.6	991.4	976.6	976.6
42.5°	1006.2	991.4	976.6	961.8	947.0	991.4	1021.0	961.8	932.2	932.2	932.2
45°	961.8	947.0	932.2	917.4	902.6	917.4	947.0	887.8	873.0	873.0	873.0
47.5°	917.4	902.6	873.0	858.2	843.5	843.5	873.0	828.7	813.9	828.7	828.7
50°	887.8	858.2	828.7	813.9	799.1	799.1	799.1	784.3	784.3	784.3	799.1
52.5°	858.2	828.7	784.3	769.5	754.7	754.7	754.7	754.7	739.9	754.7	769.5
55°	813.9	784.3	754.7	739.9	725.1	710.3	725.1	710.3	710.3	725.1	725.1
57.5°	754.7	725.1	695.5	695.5	680.7	680.7	695.5	680.7	680.7	695.5	695.5
60°	710.3	680.7	651.1	651.1	636.3	651.1	665.9	651.1	651.1	651.1	665.9
62.5°	651.1	636.3	606.7	606.7	606.7	606.7	621.5	606.7	621.5	621.5	621.5
65°	606.7	577.1	562.3	562.3	562.3	562.3	591.9	562.3	577.1	577.1	577.1
67.5°	562.3	532.7	517.9	517.9	517.9	517.9	547.5	517.9	532.7	547.5	532.7
70°	517.9	488.3	473.5	473.5	473.5	473.5	488.3	473.5	473.5	488.3	488.3
72.5°	458.7	443.9	429.1	429.1	414.3	429.1	443.9	429.1	429.1	429.1	429.1
75°	414.3	399.5	399.5	384.7	384.7	384.7	399.5	369.9	369.9	369.9	369.9
77.5°	384.7	355.1	355.1	355.1	340.3	355.1	340.3	310.7	310.7	310.7	310.7
80°	325.5	295.9	310.7	310.7	295.9	295.9	281.2	251.6	251.6	251.6	251.6
82.5°	266.4	236.8	251.6	251.6	251.6	251.6	222.0	207.2	192.4	177.6	177.6
85°	236.8	192.4	222.0	222.0	207.2	207.2	148.0	148.0	118.4	118.4	103.6
87.5°	44.4	29.6	59.2	74.0	74.0	88.8	59.2	74.0	44.4	29.6	29.6
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°	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3
2.5°	9381.5	9544.3	9766.3	9929.0	10180.6	10373.0	10668.9	10920.5	11157.2	11260.8	11364.4
5°	7872.2	7975.8	8316.1	8582.5	8982.0	9411.1	9943.8	10520.9	11112.8	11379.2	11689.9
7.5°	5889.4	6081.7	6274.1	6658.8	7147.1	7842.6	8523.3	9381.5	10210.2	10609.7	11142.4
10°	4572.4	4720.4	4942.3	5341.9	5800.6	6377.7	7191.5	8212.5	9204.0	9721.9	10269.4
12.5°	3669.7	3876.9	4172.9	4587.2	5119.9	5711.8	6303.7	7250.7	8404.9	8996.8	9618.3
15°	2974.3	3137.0	3462.6	3980.5	4602.0	5208.7	5830.2	6614.4	7872.2	8552.9	9292.8
17.5°	2367.6	2486.0	2781.9	3299.8	3921.3	4602.0	5312.3	6303.7	7694.6	8523.3	9396.3
20°	1923.7	2012.4	2204.8	2589.5	3181.4	3921.3	4809.1	6007.7	7798.2	8863.6	9929.0
22.5°	1686.9	1716.5	1805.3	2012.4	2500.8	3285.0	4350.4	5756.2	7990.6	9366.7	10802.1
25°	1524.1	1553.7	1583.3	1716.5	1997.6	2737.5	3950.9	5608.2	8404.9	10106.6	11808.3
27.5°	1420.5	1450.1	1464.9	1524.1	1716.5	2338.0	3610.6	5519.4	8967.2	11186.8	13051.3
30°	1331.8	1331.8	1376.2	1464.9	1598.1	2056.8	3314.6	5312.3	9559.1	12089.5	14027.9
32.5°	1257.8	1272.6	1331.8	1376.2	1464.9	1820.1	3018.7	5045.9	10091.8	12829.3	14989.7
35°	1124.6	1124.6	1139.4	1213.4	1331.8	1627.7	2752.3	4779.6	10387.8	13554.4	15848.0
37.5°	1035.8	1050.6	1080.2	1139.4	1243.0	1494.5	2530.4	4483.6	10698.5	14235.1	16854.2
40°	976.6	991.4	1021.0	1080.2	1183.8	1376.2	2338.0	4246.8	11024.0	14974.9	17934.4
42.5°	932.2	947.0	976.6	1035.8	1124.6	1346.6	2130.8	4054.5	11216.4	15655.6	18955.4
45°	887.8	902.6	947.0	1006.2	1080.2	1317.0	2012.4	3921.3	11290.4	16114.3	19769.3
47.5°	843.5	858.2	902.6	991.4	1080.2	1272.6	1968.1	3847.3	11349.6	16632.3	20420.4
50°	799.1	828.7	887.8	976.6	1095.0	1213.4	1938.5	3832.5	11689.9	17298.1	21041.9
52.5°	769.5	813.9	873.0	976.6	1080.2	1124.6	1923.7	3876.9	12370.6	18289.6	21929.7
55°	739.9	784.3	843.5	976.6	1035.8	1050.6	1849.7	3950.9	13406.4	19665.7	23187.5
57.5°	710.3	739.9	813.9	947.0	976.6	991.4	1701.7	4054.5	14442.2	21012.3	24474.9
60°	665.9	695.5	769.5	947.0	887.8	932.2	1509.3	4084.1	15182.1	21441.4	24593.2
62.5°	621.5	651.1	725.1	976.6	813.9	873.0	1346.6	3980.5	15330.1	20819.9	23927.4
65°	577.1	606.7	665.9	813.9	754.7	813.9	1243.0	3699.3	14841.8	19399.4	22714.0
67.5°	532.7	562.3	606.7	665.9	680.7	739.9	1198.6	3255.4	13613.6	17638.5	21056.7
70°	473.5	503.1	547.5	591.9	606.7	695.5	1124.6	2826.3	11630.7	15285.7	19029.4
72.5°	429.1	443.9	488.3	517.9	547.5	636.3	1080.2	2471.2	8893.2	12370.6	15522.4
75°	369.9	369.9	414.3	443.9	473.5	562.3	991.4	2056.8	6274.1	9440.7	11408.8
77.5°	310.7	310.7	340.3	369.9	399.5	488.3	843.5	1672.1	4350.4	7487.5	8271.7
80°	236.8	236.8	266.4	295.9	325.5	414.3	680.7	1228.2	2693.1	5475.0	6022.5
82.5°	162.8	162.8	207.2	222.0	236.8	325.5	517.9	843.5	1583.3	3950.9	4306.0
85°	88.8	88.8	118.4	133.2	162.8	236.8	384.7	591.9	947.0	2855.9	2870.7
87.5°	14.8	14.8	44.4	44.4	74.0	118.4	222.0	325.5	532.7	1583.3	1006.2
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: P598611
 CATALOG NUMBER: IFLD-L-SA7E-722-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3	10565.3
2.5°	11556.8	11719.5	11734.3	11734.3	11660.3	11675.1	11468.0	11246.0	11172.0	11157.2
5°	12163.4	12592.6	12710.9	12770.1	12577.8	12281.8	11749.1	11172.0	10876.1	10831.7
7.5°	12045.1	12903.3	13362.0	13421.2	13036.5	12341.0	11408.8	10520.9	10180.6	10091.8
10°	11349.6	12503.8	13332.4	13539.6	13125.3	12237.4	11024.0	9988.2	9573.9	9499.9
12.5°	10861.3	11971.1	12784.9	13066.1	12873.7	12104.3	10831.7	9647.9	9233.6	9130.0
15°	10594.9	11615.9	12148.6	12237.4	12222.6	11897.1	10831.7	9721.9	9263.2	9144.8
17.5°	10816.9	11512.4	11586.3	11379.2	11497.6	11660.3	11068.4	10121.4	9677.5	9573.9
20°	11260.8	11468.0	11112.8	10802.1	10861.3	11379.2	11438.4	10876.1	10520.9	10343.4
22.5°	12193.0	11630.7	10816.9	10387.8	10432.2	11157.2	11926.7	11897.1	11586.3	11497.6
25°	13140.1	12089.5	10728.1	10225.0	10284.2	11112.8	12503.8	13036.5	12873.7	12829.3
27.5°	14190.7	12858.9	10787.3	10151.0	10225.0	11172.0	12903.3	13998.3	14027.9	13983.5
30°	14901.0	13228.9	10964.9	10239.8	10343.4	11320.0	12992.1	14575.4	14841.8	14856.6
32.5°	15492.9	13598.8	11334.8	10387.8	10565.3	11586.3	13228.9	15122.9	15714.8	15729.6
35°	15966.4	14013.1	11793.5	10654.1	10920.5	12030.3	13539.6	15640.8	16528.7	16632.3
37.5°	16573.1	14471.8	12326.2	11231.2	11527.2	12666.6	14087.1	16247.5	17490.5	17771.7
40°	17224.1	14930.6	13095.7	12163.4	12592.6	13613.6	14708.6	16928.2	18304.4	18689.1
42.5°	17949.2	15418.9	13968.7	13421.2	14072.3	14812.2	15418.9	17549.7	18925.8	19369.8
45°	18659.5	16010.8	15241.3	15137.7	15862.8	16232.7	16114.3	17993.6	19517.7	19961.7
47.5°	19162.6	16869.0	16780.2	17401.7	18082.4	17890.0	16928.2	18319.2	20006.1	20494.4
50°	19621.3	17934.4	18718.7	19932.1	20346.4	19695.3	17801.2	18763.1	20524.0	21071.5
52.5°	20302.0	19073.8	20716.3	22225.7	22625.2	21589.4	18748.3	19488.1	21323.0	21811.3
55°	21693.0	20361.2	22802.8	24534.1	24608.0	23320.7	20020.9	20716.3	22447.6	23009.9
57.5°	23246.7	21944.5	24460.1	26442.9	26413.3	25052.0	21456.2	22373.6	23971.8	24356.5
60°	24652.4	23542.6	26265.3	27804.3	27730.3	26309.7	23128.3	24252.9	25717.8	26013.8
62.5°	25481.1	24992.8	27064.4	28233.4	27952.2	26724.1	24548.8	25925.0	26960.8	27064.4
65°	25347.9	25821.4	26132.2	26857.2	26457.7	25569.9	25244.3	26990.4	27094.0	26990.4
67.5°	24341.7	25347.9	23572.2	23646.2	23439.0	22684.4	24164.1	26709.3	25999.0	25747.4
70°	22817.6	22891.5	19710.1	18777.9	19103.4	18067.6	20731.1	24519.3	23424.2	23113.5
72.5°	20287.2	19369.8	14901.0	13953.9	14442.2	13702.4	16632.3	21367.4	20302.0	19295.8
75°	17017.0	15344.9	11349.6	10003.0	10254.6	10225.0	12888.5	17653.3	15729.6	14723.4
77.5°	13184.5	11956.3	8375.3	7857.4	7591.1	7650.2	8996.8	13125.3	11408.8	10151.0
80°	9633.1	8360.5	6481.3	6777.2	6629.2	6274.1	6303.7	8789.6	7931.4	7176.7
82.5°	6658.8	5948.5	5253.1	5933.7	5578.6	5031.1	4912.7	6333.3	5948.5	5489.8
85°	4468.8	4897.9	4172.9	4542.8	3936.1	3625.4	4616.8	5297.5	4276.4	3817.7
87.5°	2915.1	4483.6	3003.9	2278.8	1302.2	1746.1	2826.3	3477.4	1997.6	1080.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)