

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: P598890

Luminaire Tested: **IFLD-S-SA6D-727-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598890
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6D-727-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (96) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

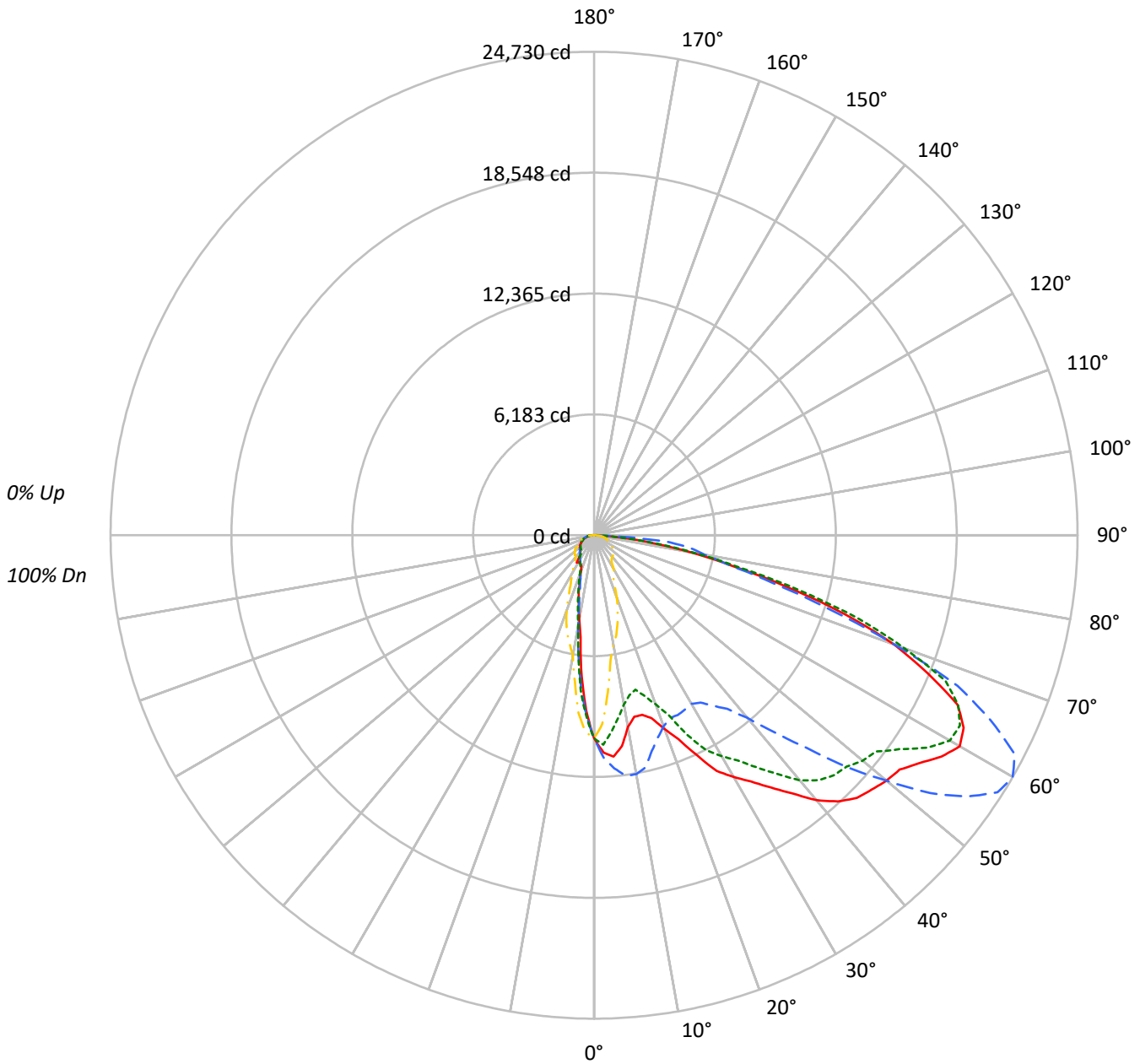
Lumens per Lamp: N/A
 Luminaire Lumens: 32524.7 lumens
 Efficiency: N/A
 Efficacy: 88.3 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

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	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°	74545	74545	74545	74545
5°	81897	72751	52173	56954
10°	72541	64026	31644	33958
15°	70636	60775	22402	23260
20°	80541	70295	14654	16196
25°	98131	89106	12794	13252
30°	118236	108075	13270	12314
35°	137894	126899	10996	10364
40°	165700	153266	10271	9731
45°	192835	176144	10396	9664
50°	217931	200212	10631	9986
55°	254155	238631	11011	10469
60°	309984	301493	10975	10975
65°	348368	348859	11269	11758
70°	342371	354481	11806	12108
75°	282420	301220	12402	13200
80°	203912	214049	13712	14311
85°	112856	121172	15446	19003

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	807.0	2.5
10°-20°	1703.9	5.2
20°-30°	2493.0	7.7
30°-40°	3512.5	10.8
40°-50°	4827.2	14.8
50°-60°	6578.9	20.2
60°-70°	7200.3	22.1
70°-80°	4157.0	12.8
80°-90°	1244.9	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°	5003.9	15.4
0°-40°	8516.4	26.2
0°-60°	19922.5	61.3
0°-90°	32524.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32524.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10388	10388	10388	10388	10388	
5°	11369	10100	7243	7907	11369	1032
15°	9508	8181	3016	3131	9508	2778
25°	12394	11254	1616	1674	12394	5804
35°	15741	14486	1255	1183	15741	9981
45°	19002	17357	1024	952	19002	14604
55°	20315	19074	880	837	20315	18330
65°	20517	20546	664	692	20517	19637
75°	10186	10864	447	476	10186	10942
85°	1371	1472	188	231	1371	1902
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°	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2
2.5°	11124.0	11080.7	11124.0	11282.7	11326.0	11398.2	11398.2	11297.2	11109.6	11023.0	10878.8
5°	11369.3	11297.2	11657.9	11989.7	12249.4	12220.6	11975.3	11773.3	11398.2	10835.5	10301.6
7.5°	10878.8	10950.9	11210.6	12076.3	12682.3	12797.7	12408.1	12004.1	11196.2	10417.1	9695.7
10°	9955.4	10056.4	10619.0	11513.6	12465.8	12653.4	12408.1	11917.6	10950.9	9984.2	9147.4
12.5°	9508.1	9738.9	10070.8	11152.9	11831.0	12278.3	12162.9	11845.4	10763.3	9623.5	8815.5
15°	9508.1	9565.8	10056.4	10965.3	11354.9	11369.3	11412.6	11470.3	10821.0	9782.2	8700.1
17.5°	9811.1	9969.8	10388.2	10950.9	11023.0	10849.9	10849.9	11095.2	10936.5	10229.5	9118.5
20°	10546.9	10489.2	11037.5	11268.3	10878.8	10445.9	10402.6	10821.0	11066.3	10705.6	9883.2
22.5°	11282.7	11542.4	11989.7	11470.3	10748.9	10171.8	10114.1	10633.5	11455.9	11528.0	10763.3
25°	12393.7	12653.4	12884.3	12249.4	10734.5	10099.6	10142.9	10546.9	11932.0	12696.7	12235.0
27.5°	13591.2	13749.9	14081.8	13100.7	11080.7	10013.1	10056.4	10662.3	12379.3	13461.4	13389.2
30°	14269.3	14442.5	14370.3	13259.4	11311.6	10070.8	9955.4	10821.0	12134.0	13461.4	14139.5
32.5°	14933.0	14832.0	14788.8	13519.1	11600.2	10431.5	10142.9	11152.9	12278.3	13677.8	15106.2
35°	15741.0	15596.7	15481.3	14024.1	12076.3	10777.8	10647.9	11585.7	12595.7	14125.1	15885.3
37.5°	16635.5	16635.5	16072.9	14399.2	12639.0	11340.5	11196.2	12206.1	13100.7	14399.2	16953.0
40°	17688.8	17732.1	16736.5	14904.2	13273.8	12235.0	12191.7	13014.1	13591.2	14803.2	17977.4
42.5°	18467.9	18496.8	17313.7	15091.7	14009.6	13475.8	13663.4	14312.6	14153.9	15163.9	18049.5
45°	19001.7	18857.5	17717.7	15625.6	14817.6	15337.0	15394.7	15582.3	14889.8	15380.3	18338.1
47.5°	19261.5	19232.6	17890.8	16246.0	16520.1	17227.1	17558.9	17299.2	15567.9	15149.5	18338.1
50°	19521.2	19275.9	18049.5	17097.2	18179.3	19607.7	19535.6	19059.5	16505.7	15438.0	18063.9
52.5°	19694.3	19477.9	18366.9	17861.9	19766.4	21382.4	21670.9	20790.8	17602.2	15971.9	18193.8
55°	20314.7	20141.6	19319.2	18900.8	21598.8	23258.0	23301.3	22074.9	18756.5	16852.0	19045.0
57.5°	21065.0	21166.0	20632.1	20372.4	22998.3	24628.7	24470.0	23027.2	19737.6	17919.6	20026.1
60°	21598.8	21757.5	21627.7	21656.5	23690.9	25090.4	24729.7	23618.7	20459.0	18727.6	21223.7
62.5°	21310.2	21627.7	22161.5	22046.1	23719.7	24758.5	24253.6	22839.6	20545.6	19780.9	22132.6
65°	20516.7	20545.6	21584.4	22219.2	22421.2	23041.6	22377.9	21209.2	19651.0	20430.1	22002.8
67.5°	18482.3	18713.2	19651.0	20891.8	20040.6	20184.8	20127.1	18439.1	18294.8	19982.9	21007.2
70°	16318.1	16476.8	17501.2	18958.5	16924.1	16246.0	16375.8	15120.6	15712.2	18597.8	19001.7
72.5°	13490.2	13591.2	14759.9	16044.0	13576.8	12364.8	12667.8	11643.4	12480.3	16274.8	16029.6
75°	10186.2	10373.8	11282.7	12797.7	9998.6	9219.5	9522.5	9104.1	9883.2	13403.7	12437.0
77.5°	7242.9	7098.6	8224.0	10013.1	7517.0	7055.3	7084.2	7156.3	7993.1	11297.2	8931.0
80°	4934.4	4977.7	5987.6	7343.9	5901.1	5828.9	5756.8	6333.9	6709.0	8945.4	6492.6
82.5°	2928.9	2928.9	4039.9	5223.0	4660.3	5251.8	4920.0	5439.4	5251.8	6579.2	4256.3
85°	1370.7	1370.7	2077.6	3765.7	3607.0	4328.4	3679.2	4112.0	3881.1	4588.1	1918.9
87.5°	230.8	202.0	418.4	1846.8	1486.1	1688.1	663.7	2193.1	2438.3	3203.0	476.1
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°	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2
2.5°	10720.0	10619.0	10417.1	10157.4	9940.9	9666.8	9580.2	9392.7	9133.0	9104.1	8988.7
5°	10099.6	9753.4	9320.5	8786.7	8426.0	8050.9	7733.4	7545.9	7329.5	7300.6	7242.9
7.5°	9421.5	8988.7	8267.3	7632.4	7012.0	6420.5	6131.9	5771.2	5525.9	5338.4	5251.8
10°	8786.7	8382.7	7488.2	6622.5	6074.2	5684.7	5338.4	4963.3	4660.3	4429.4	4342.8
12.5°	8368.3	7892.1	6925.5	6103.1	5699.1	5251.8	4862.3	4458.3	4068.7	3765.7	3607.0
15°	8180.7	7733.4	6752.3	5843.4	5251.8	4631.4	4184.1	3780.2	3304.0	3087.6	3015.5
17.5°	8628.0	7964.3	6694.6	5540.4	4703.5	3996.6	3448.3	3015.5	2669.2	2452.8	2366.2
20°	9205.1	8382.7	6795.6	5179.7	4184.1	3390.6	2784.6	2322.9	2092.1	1933.4	1918.9
22.5°	9940.9	9003.1	6954.3	4920.0	3607.0	2726.9	2178.6	1904.5	1745.8	1731.4	1702.5
25°	11253.9	10128.5	7214.0	4573.7	3145.3	2250.8	1861.2	1702.5	1630.4	1587.1	1615.9
27.5°	12379.3	10864.3	7401.6	4357.3	2957.8	2120.9	1803.5	1630.4	1558.2	1543.8	1558.2
30°	13043.0	11542.4	7343.9	3953.3	2582.6	2019.9	1918.9	1861.2	1716.9	1601.5	1601.5
32.5°	13648.9	11975.3	7329.5	3592.6	2207.5	1688.1	1601.5	1558.2	1644.8	1702.5	1659.2
35°	14485.8	12653.4	7286.2	3390.6	2048.8	1558.2	1413.9	1298.5	1240.8	1212.0	1255.2
37.5°	15380.3	13115.1	7170.7	3361.7	1962.2	1486.1	1370.7	1255.2	1197.5	1168.7	1154.2
40°	16361.4	13605.7	7040.9	3217.5	1918.9	1442.8	1327.4	1226.4	1154.2	1111.0	1096.5
42.5°	16996.2	13995.2	6911.0	3145.3	1832.4	1413.9	1284.1	1197.5	1125.4	1067.7	1067.7
45°	17357.0	14456.9	6781.2	3073.2	1731.4	1428.4	1284.1	1168.7	1082.1	1053.2	1024.4
47.5°	17515.7	14803.2	6737.9	2957.8	1644.8	1370.7	1255.2	1139.8	1053.2	995.5	981.1
50°	17934.1	15539.0	6896.6	2871.2	1543.8	1313.0	1327.4	1125.4	1038.8	966.7	952.3
52.5°	18179.3	16130.6	7242.9	2741.3	1471.7	1240.8	1298.5	1096.5	995.5	923.4	923.4
55°	19073.9	17111.7	7618.0	2640.3	1385.1	1139.8	1197.5	1038.8	923.4	880.1	880.1
57.5°	20213.7	18150.5	7935.4	2597.0	1327.4	1067.7	1067.7	1010.0	880.1	822.4	808.0
60°	21007.2	19001.7	8123.0	2568.2	1269.7	995.5	952.3	1010.0	836.8	779.1	764.7
62.5°	21093.8	18511.2	7935.4	2553.8	1255.2	923.4	865.7	966.7	793.5	735.8	707.0
65°	20545.6	17515.7	7416.0	2496.1	1240.8	851.3	808.0	836.8	735.8	692.5	663.7
67.5°	19449.0	15899.7	6665.8	2467.2	1226.4	793.5	735.8	721.4	678.1	634.8	606.0
70°	16895.3	13793.2	5785.7	2337.3	1197.5	750.3	663.7	649.3	606.0	577.1	562.7
72.5°	14182.8	11282.7	4775.7	2164.2	1139.8	678.1	606.0	577.1	562.7	519.4	505.0
75°	10864.3	8685.7	3823.4	1918.9	995.5	606.0	533.8	505.0	490.6	461.7	447.3
77.5°	7632.4	6463.8	2827.9	1558.2	836.8	548.3	476.1	447.3	432.8	389.6	389.6
80°	5179.7	4530.4	1918.9	1082.1	649.3	447.3	418.4	389.6	360.7	331.8	331.8
82.5°	3217.5	3174.2	1385.1	707.0	476.1	360.7	331.8	331.8	288.6	259.7	259.7
85°	1471.7	1947.8	966.7	490.6	360.7	274.1	274.1	259.7	230.8	187.6	187.6
87.5°	461.7	649.3	505.0	216.4	202.0	158.7	158.7	144.3	144.3	115.4	115.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2
2.5°	9104.1	9089.7	9089.7	9032.0	9176.2	9176.2	9262.8	9190.7	9234.0	9248.4	9363.8
5°	7228.5	7343.9	7430.4	7603.6	7704.6	7747.9	7747.9	7863.3	7820.0	7906.6	8079.7
7.5°	5295.1	5439.4	5699.1	5915.5	6088.6	6146.4	6131.9	6160.8	6204.1	6103.1	6131.9
10°	4285.1	4184.1	4270.7	4472.7	4631.4	4819.0	4674.7	4660.3	4703.5	4660.3	4746.8
12.5°	3578.2	3462.7	3390.6	3390.6	3506.0	3592.6	3549.3	3621.4	3780.2	3823.4	3924.4
15°	2900.0	2799.0	2741.3	2669.2	2784.6	2813.5	2856.8	2957.8	3073.2	3130.9	3246.3
17.5°	2322.9	2322.9	2322.9	2265.2	2308.5	2351.8	2366.2	2496.1	2510.5	2568.2	2611.5
20°	1904.5	1947.8	2019.9	2048.8	2092.1	2092.1	2063.2	2135.4	2077.6	2120.9	2149.8
22.5°	1716.9	1774.7	1803.5	1817.9	1875.6	1890.1	1817.9	1832.4	1846.8	1803.5	1817.9
25°	1615.9	1644.8	1615.9	1630.4	1644.8	1615.9	1630.4	1659.2	1644.8	1673.7	1659.2
27.5°	1572.7	1543.8	1529.4	1514.9	1514.9	1486.1	1500.5	1500.5	1529.4	1543.8	1543.8
30°	1572.7	1529.4	1471.7	1428.4	1428.4	1385.1	1413.9	1442.8	1457.2	1486.1	1486.1
32.5°	1615.9	1529.4	1428.4	1385.1	1341.8	1313.0	1341.8	1385.1	1442.8	1457.2	1471.7
35°	1284.1	1327.4	1313.0	1255.2	1240.8	1240.8	1226.4	1226.4	1183.1	1183.1	1168.7
37.5°	1154.2	1139.8	1168.7	1183.1	1197.5	1154.2	1154.2	1096.5	1082.1	1096.5	1096.5
40°	1082.1	1082.1	1082.1	1125.4	1139.8	1111.0	1067.7	1038.8	1038.8	1038.8	1053.2
42.5°	1053.2	1024.4	1010.0	1038.8	1082.1	1053.2	1010.0	995.5	995.5	1010.0	1010.0
45°	1010.0	995.5	981.1	966.7	1024.4	981.1	966.7	952.3	952.3	952.3	966.7
47.5°	966.7	952.3	923.4	923.4	937.8	923.4	909.0	909.0	909.0	937.8	937.8
50°	937.8	923.4	894.5	894.5	894.5	894.5	880.1	880.1	880.1	894.5	909.0
52.5°	894.5	880.1	865.7	851.3	851.3	851.3	851.3	851.3	851.3	865.7	880.1
55°	851.3	836.8	822.4	822.4	836.8	836.8	822.4	836.8	822.4	836.8	851.3
57.5°	808.0	793.5	779.1	793.5	808.0	793.5	793.5	793.5	793.5	793.5	808.0
60°	750.3	750.3	750.3	750.3	779.1	779.1	779.1	779.1	750.3	764.7	779.1
62.5°	721.4	707.0	707.0	721.4	735.8	735.8	750.3	735.8	721.4	735.8	735.8
65°	663.7	663.7	663.7	678.1	678.1	692.5	692.5	692.5	678.1	692.5	692.5
67.5°	620.4	620.4	620.4	620.4	649.3	649.3	649.3	649.3	634.8	634.8	649.3
70°	548.3	562.7	548.3	577.1	606.0	591.6	606.0	606.0	591.6	577.1	606.0
72.5°	505.0	505.0	505.0	505.0	548.3	548.3	548.3	562.7	548.3	533.8	548.3
75°	447.3	447.3	447.3	461.7	490.6	490.6	490.6	490.6	490.6	476.1	476.1
77.5°	389.6	404.0	389.6	404.0	432.8	418.4	432.8	447.3	432.8	418.4	418.4
80°	331.8	331.8	331.8	346.3	360.7	360.7	360.7	375.1	360.7	346.3	346.3
82.5°	259.7	259.7	274.1	274.1	288.6	288.6	288.6	303.0	288.6	274.1	274.1
85°	202.0	202.0	202.0	216.4	216.4	230.8	230.8	245.3	245.3	230.8	230.8
87.5°	129.9	115.4	129.9	129.9	144.3	144.3	129.9	115.4	129.9	115.4	101.0
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: P598890
 CATALOG NUMBER: IFLD-S-SA6D-727-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2	10388.2
2.5°	9479.2	9738.9	9926.5	10056.4	10243.9	10604.6	10748.9	11008.6	11080.7	11124.0
5°	8151.9	8426.0	8830.0	9118.5	9450.4	10128.5	10647.9	11037.5	11210.6	11369.3
7.5°	6391.6	6752.3	7170.7	7545.9	8094.1	8931.0	9609.1	10417.1	10720.0	10878.8
10°	4992.1	5324.0	5785.7	6247.3	7012.0	7719.0	8685.7	9421.5	9839.9	9955.4
12.5°	4213.0	4602.5	5150.8	5713.5	6189.6	6997.6	7978.7	9046.4	9435.9	9508.1
15°	3578.2	4112.0	4674.7	5251.8	5800.1	6507.1	7560.3	8858.8	9435.9	9508.1
17.5°	2957.8	3433.9	4097.6	4718.0	5352.8	6319.5	7632.4	9017.5	9594.7	9811.1
20°	2351.8	2813.5	3332.9	4112.0	4977.7	6002.1	7791.1	9551.4	10316.1	10546.9
22.5°	1947.8	2149.8	2654.8	3405.0	4429.4	5785.7	7949.9	10388.2	11196.2	11282.7
25°	1702.5	1846.8	2164.2	2871.2	3996.6	5641.4	8325.0	11354.9	12393.7	12393.7
27.5°	1587.1	1644.8	1861.2	2496.1	3693.6	5511.5	8700.1	12422.6	13389.2	13591.2
30°	1558.2	1702.5	1817.9	2221.9	3361.7	5150.8	9046.4	13259.4	14254.9	14269.3
32.5°	1529.4	1500.5	1587.1	1933.4	2957.8	4775.7	9335.0	14110.6	14889.8	14933.0
35°	1197.5	1255.2	1399.5	1702.5	2654.8	4501.6	9479.2	14572.3	15697.7	15741.0
37.5°	1125.4	1197.5	1313.0	1572.7	2452.8	4270.7	9522.5	15466.9	16549.0	16635.5
40°	1096.5	1154.2	1240.8	1457.2	2294.1	3982.1	9609.1	16390.3	17804.2	17688.8
42.5°	1038.8	1111.0	1197.5	1399.5	2164.2	3765.7	9623.5	16895.3	18467.9	18467.9
45°	1024.4	1067.7	1168.7	1399.5	2019.9	3578.2	9392.7	17400.2	19232.6	19001.7
47.5°	966.7	1053.2	1139.8	1356.2	1846.8	3390.6	9118.5	17659.9	19333.6	19261.5
50°	952.3	1038.8	1183.1	1284.1	1745.8	3304.0	9060.8	18309.2	19535.6	19521.2
52.5°	923.4	1010.0	1226.4	1226.4	1615.9	3188.6	9335.0	18597.8	19578.9	19694.3
55°	880.1	1010.0	1139.8	1125.4	1500.5	3044.3	9637.9	19348.0	20343.6	20314.7
57.5°	851.3	981.1	1082.1	1024.4	1370.7	2943.3	10085.2	20069.4	21267.0	21065.0
60°	808.0	981.1	966.7	952.3	1269.7	2856.8	10460.3	20213.7	21468.9	21598.8
62.5°	779.1	1024.4	851.3	880.1	1183.1	2813.5	10301.6	19131.6	21194.8	21310.2
65°	750.3	880.1	779.1	808.0	1154.2	2726.9	9681.2	17833.1	20011.7	20516.7
67.5°	692.5	721.4	721.4	750.3	1125.4	2524.9	8411.6	15495.7	18208.2	18482.3
70°	634.8	649.3	649.3	692.5	1096.5	2294.1	6939.9	13403.7	15798.7	16318.1
72.5°	577.1	577.1	577.1	634.8	1010.0	2106.5	5713.5	10301.6	13129.5	13490.2
75°	505.0	505.0	505.0	562.7	909.0	1918.9	4501.6	7661.3	9666.8	10186.2
77.5°	447.3	447.3	432.8	505.0	793.5	1558.2	3246.3	5410.5	6810.0	7242.9
80°	375.1	360.7	360.7	404.0	620.4	1125.4	2092.1	3823.4	4746.8	4934.4
82.5°	303.0	288.6	274.1	303.0	447.3	707.0	1298.5	2669.2	3044.3	2928.9
85°	288.6	303.0	245.3	230.8	317.4	461.7	822.4	1644.8	1370.7	1370.7
87.5°	115.4	101.0	101.0	86.6	158.7	173.1	360.7	303.0	230.8	230.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)