

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: P599077

Luminaire Tested: **IFLD-L-SA8B-827-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599077
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8B-827-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (128) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

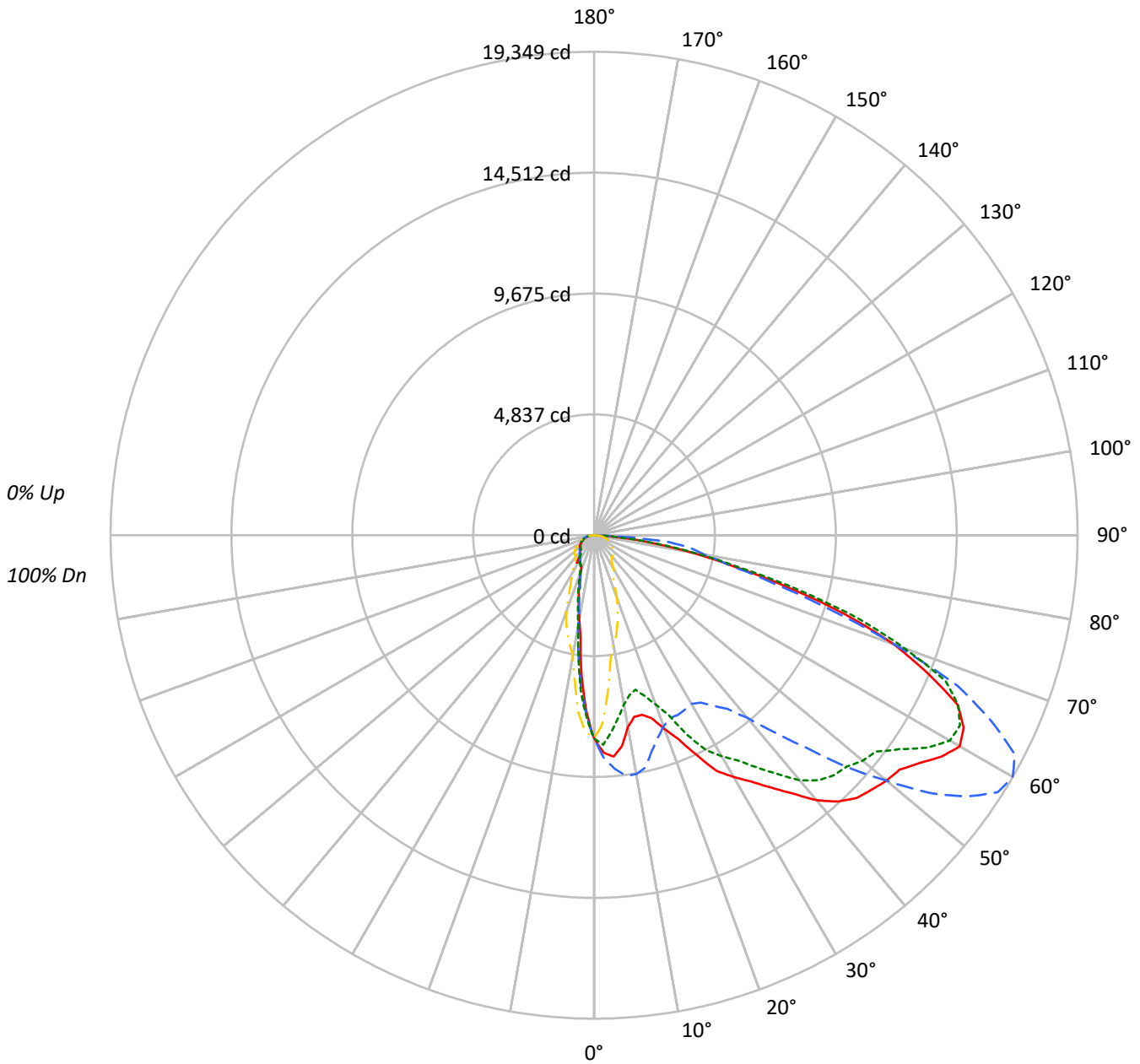
Lumens per Lamp: N/A
 Luminaire Lumens: 25448.0 lumens
 Efficiency: N/A
 Efficacy: 79.5 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 320
 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	100	100	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77	77	77	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60	60	60	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47	47	47	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	38	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31	31	31	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26	26	26	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22	22	22	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19	19	19	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17	17	17	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15	15	15	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43745	43745	43745	43745
5°	48059	42692	30616	33422
10°	42568	37571	18569	19927
15°	41450	35664	13146	13649
20°	47263	41250	8599	9505
25°	57585	52289	7508	7776
30°	69383	63420	7787	7226
35°	80919	74466	6453	6082
40°	97236	89939	6028	5710
45°	113159	103364	6100	5671
50°	127885	117488	6239	5860
55°	149142	140032	6461	6144
60°	181904	176921	6440	6440
65°	204428	204716	6613	6901
70°	200910	208015	6928	7106
75°	165728	176762	7278	7746
80°	119660	125607	8046	8396
85°	66222	71106	9065	11152

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	631.4	2.5
10°-20°	1333.2	5.2
20°-30°	1950.6	7.7
30°-40°	2748.2	10.8
40°-50°	3776.9	14.8
50°-60°	5147.5	20.2
60°-70°	5633.7	22.1
70°-80°	3252.5	12.8
80°-90°	974.0	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°	3915.2	15.4
0°-40°	6663.4	26.2
0°-60°	15587.8	61.3
0°-90°	25448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25448.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8128	8128	8128	8128	8128	
5°	8896	7902	5667	6186	8896	808
15°	7439	6401	2359	2450	7439	2174
25°	9697	8805	1264	1310	9697	4541
35°	12316	11334	982	926	12316	7810
45°	14867	13580	802	745	14867	11427
55°	15895	14924	689	655	15895	14342
65°	16053	16075	519	542	16053	15364
75°	7970	8500	350	372	7970	8561
85°	1072	1152	147	181	1072	1488
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°	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0
2.5°	8703.7	8669.8	8703.7	8827.9	8861.7	8918.2	8918.2	8839.2	8692.4	8624.7	8511.8
5°	8895.6	8839.2	9121.4	9381.0	9584.2	9561.6	9369.7	9211.7	8918.2	8477.9	8060.2
7.5°	8511.8	8568.2	8771.4	9448.7	9922.9	10013.2	9708.4	9392.3	8760.1	8150.5	7586.1
10°	7789.3	7868.3	8308.6	9008.5	9753.5	9900.3	9708.4	9324.6	8568.2	7811.9	7157.1
12.5°	7439.3	7620.0	7879.6	8726.3	9256.8	9606.8	9516.5	9268.1	8421.5	7529.6	6897.5
15°	7439.3	7484.5	7868.3	8579.5	8884.3	8895.6	8929.5	8974.6	8466.6	7653.8	6807.2
17.5°	7676.4	7800.6	8128.0	8568.2	8624.7	8489.2	8489.2	8681.1	8556.9	8003.8	7134.5
20°	8252.1	8207.0	8636.0	8816.6	8511.8	8173.1	8139.2	8466.6	8658.5	8376.3	7732.8
22.5°	8827.9	9031.1	9381.0	8974.6	8410.2	7958.6	7913.5	8319.9	8963.3	9019.8	8421.5
25°	9697.1	9900.3	10080.9	9584.2	8398.9	7902.2	7936.0	8252.1	9335.9	9934.2	9572.9
27.5°	10634.1	10758.3	11017.9	10250.3	8669.8	7834.4	7868.3	8342.4	9685.8	10532.5	10476.0
30°	11164.6	11300.1	11243.7	10374.4	8850.4	7879.6	7789.3	8466.6	9493.9	10532.5	11063.1
32.5°	11683.9	11604.9	11571.0	10577.6	9076.2	8161.8	7936.0	8726.3	9606.8	10701.8	11819.4
35°	12316.1	12203.2	12112.9	10972.7	9448.7	8432.8	8331.2	9064.9	9855.1	11051.8	12429.0
37.5°	13016.0	13016.0	12575.8	11266.2	9889.0	8873.0	8760.1	9550.3	10250.3	11266.2	13264.4
40°	13840.1	13874.0	13095.0	11661.4	10385.7	9572.9	9539.1	10182.5	10634.1	11582.3	14065.9
42.5°	14449.7	14472.3	13546.6	11808.1	10961.5	10543.8	10690.5	11198.5	11074.3	11864.6	14122.3
45°	14867.4	14754.5	13862.7	12225.8	11593.6	12000.0	12045.2	12191.9	11650.1	12033.9	14348.1
47.5°	15070.6	15048.0	13998.1	12711.2	12925.7	13478.9	13738.5	13535.3	12180.6	11853.3	14348.1
50°	15273.8	15081.9	14122.3	13377.3	14223.9	15341.5	15285.1	14912.5	12914.4	12079.0	14133.6
52.5°	15409.2	15239.9	14370.7	13975.6	15465.7	16730.0	16955.8	16267.2	13772.4	12496.7	14235.2
55°	15894.7	15759.2	15115.7	14788.4	16899.4	18197.6	18231.5	17271.9	14675.5	13185.3	14901.3
57.5°	16481.7	16560.7	16143.0	15939.8	17994.4	19270.0	19145.8	18017.0	15443.1	14020.7	15668.9
60°	16899.4	17023.6	16922.0	16944.5	18536.3	19631.3	19349.0	18479.8	16007.6	14652.9	16605.9
62.5°	16673.6	16922.0	17339.6	17249.3	18558.8	19371.6	18976.5	17870.2	16075.3	15477.0	17317.1
65°	16052.7	16075.3	16888.1	17384.8	17542.8	18028.3	17509.0	16594.6	15375.4	15985.0	17215.5
67.5°	14461.0	14641.6	15375.4	16346.2	15680.2	15793.1	15747.9	14427.1	14314.2	15635.0	16436.5
70°	12767.7	12891.8	13693.3	14833.5	13241.8	12711.2	12812.8	11830.7	12293.5	14551.3	14867.4
72.5°	10555.1	10634.1	11548.5	12553.2	10622.8	9674.5	9911.6	9110.1	9764.8	12733.8	12541.9
75°	7969.9	8116.7	8827.9	10013.2	7823.2	7213.6	7450.6	7123.2	7732.8	10487.3	9731.0
77.5°	5667.0	5554.1	6434.6	7834.4	5881.5	5520.2	5542.8	5599.3	6254.0	8839.2	6987.8
80°	3860.8	3894.6	4684.9	5746.0	4617.1	4560.7	4504.2	4955.8	5249.3	6999.1	5080.0
82.5°	2291.6	2291.6	3160.9	4086.6	3646.3	4109.1	3849.5	4255.9	4109.1	5147.7	3330.2
85°	1072.4	1072.4	1625.6	2946.4	2822.2	3386.6	2878.7	3217.3	3036.7	3589.8	1501.4
87.5°	180.6	158.0	327.4	1445.0	1162.7	1320.8	519.3	1715.9	1907.8	2506.1	372.5
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°	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0
2.5°	8387.6	8308.6	8150.5	7947.3	7778.0	7563.5	7495.8	7349.0	7145.8	7123.2	7032.9
5°	7902.2	7631.2	7292.6	6874.9	6592.7	6299.2	6050.8	5904.1	5734.7	5712.1	5667.0
7.5°	7371.6	7032.9	6468.5	5971.8	5486.4	5023.5	4797.8	4515.5	4323.6	4176.9	4109.1
10°	6874.9	6558.8	5858.9	5181.6	4752.6	4447.8	4176.9	3883.4	3646.3	3465.7	3397.9
12.5°	6547.5	6175.0	5418.6	4775.2	4459.1	4109.1	3804.3	3488.2	3183.4	2946.4	2822.2
15°	6400.8	6050.8	5283.2	4572.0	4109.1	3623.7	3273.8	2957.7	2585.1	2415.8	2359.4
17.5°	6750.7	6231.4	5238.0	4334.9	3680.2	3127.0	2698.0	2359.4	2088.4	1919.1	1851.4
20°	7202.3	6558.8	5317.0	4052.7	3273.8	2652.9	2178.7	1817.5	1636.9	1512.7	1501.4
22.5°	7778.0	7044.2	5441.2	3849.5	2822.2	2133.6	1704.6	1490.1	1365.9	1354.7	1332.1
25°	8805.3	7924.8	5644.4	3578.6	2461.0	1761.1	1456.3	1332.1	1275.6	1241.8	1264.3
27.5°	9685.8	8500.5	5791.2	3409.2	2314.2	1659.5	1411.1	1275.6	1219.2	1207.9	1219.2
30°	10205.1	9031.1	5746.0	3093.1	2020.7	1580.4	1501.4	1456.3	1343.4	1253.1	1253.1
32.5°	10679.2	9369.7	5734.7	2810.9	1727.2	1320.8	1253.1	1219.2	1286.9	1332.1	1298.2
35°	11334.0	9900.3	5700.9	2652.9	1603.0	1219.2	1106.3	1016.0	970.8	948.3	982.1
37.5°	12033.9	10261.5	5610.5	2630.3	1535.3	1162.7	1072.4	982.1	937.0	914.4	903.1
40°	12801.5	10645.4	5508.9	2517.4	1501.4	1128.9	1038.6	959.6	903.1	869.2	858.0
42.5°	13298.2	10950.2	5407.3	2461.0	1433.7	1106.3	1004.7	937.0	880.5	835.4	835.4
45°	13580.5	11311.4	5305.7	2404.5	1354.7	1117.6	1004.7	914.4	846.7	824.1	801.5
47.5°	13704.6	11582.3	5271.9	2314.2	1286.9	1072.4	982.1	891.8	824.1	778.9	767.6
50°	14032.0	12158.1	5396.1	2246.5	1207.9	1027.3	1038.6	880.5	812.8	756.4	745.1
52.5°	14223.9	12620.9	5667.0	2144.9	1151.5	970.8	1016.0	858.0	778.9	722.5	722.5
55°	14923.8	13388.5	5960.5	2065.9	1083.7	891.8	937.0	812.8	722.5	688.6	688.6
57.5°	15815.6	14201.3	6208.9	2032.0	1038.6	835.4	835.4	790.2	688.6	643.5	632.2
60°	16436.5	14867.4	6355.6	2009.4	993.4	778.9	745.1	790.2	654.8	609.6	598.3
62.5°	16504.3	14483.6	6208.9	1998.1	982.1	722.5	677.3	756.4	620.9	575.7	553.2
65°	16075.3	13704.6	5802.5	1953.0	970.8	666.0	632.2	654.8	575.7	541.9	519.3
67.5°	15217.3	12440.3	5215.4	1930.4	959.6	620.9	575.7	564.4	530.6	496.7	474.1
70°	13219.2	10792.1	4526.8	1828.8	937.0	587.0	519.3	508.0	474.1	451.6	440.3
72.5°	11096.9	8827.9	3736.6	1693.3	891.8	530.6	474.1	451.6	440.3	406.4	395.1
75°	8500.5	6795.9	2991.5	1501.4	778.9	474.1	417.7	395.1	383.8	361.2	350.0
77.5°	5971.8	5057.4	2212.6	1219.2	654.8	429.0	372.5	350.0	338.7	304.8	304.8
80°	4052.7	3544.7	1501.4	846.7	508.0	350.0	327.4	304.8	282.2	259.6	259.6
82.5°	2517.4	2483.5	1083.7	553.2	372.5	282.2	259.6	259.6	225.8	203.2	203.2
85°	1151.5	1524.0	756.4	383.8	282.2	214.5	214.5	203.2	180.6	146.8	146.8
87.5°	361.2	508.0	395.1	169.3	158.0	124.2	124.2	112.9	112.9	90.3	90.3
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°	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0
2.5°	7123.2	7112.0	7112.0	7066.8	7179.7	7179.7	7247.4	7191.0	7224.8	7236.1	7326.4
5°	5655.7	5746.0	5813.7	5949.2	6028.2	6062.1	6062.1	6152.4	6118.5	6186.3	6321.7
7.5°	4143.0	4255.9	4459.1	4628.4	4763.9	4809.0	4797.8	4820.3	4854.2	4775.2	4797.8
10°	3352.8	3273.8	3341.5	3499.5	3623.7	3770.5	3657.6	3646.3	3680.2	3646.3	3714.0
12.5°	2799.6	2709.3	2652.9	2652.9	2743.2	2810.9	2777.1	2833.5	2957.7	2991.5	3070.6
15°	2269.1	2190.0	2144.9	2088.4	2178.7	2201.3	2235.2	2314.2	2404.5	2449.7	2540.0
17.5°	1817.5	1817.5	1817.5	1772.3	1806.2	1840.1	1851.4	1953.0	1964.3	2009.4	2043.3
20°	1490.1	1524.0	1580.4	1603.0	1636.9	1636.9	1614.3	1670.7	1625.6	1659.5	1682.0
22.5°	1343.4	1388.5	1411.1	1422.4	1467.5	1478.8	1422.4	1433.7	1445.0	1411.1	1422.4
25°	1264.3	1286.9	1264.3	1275.6	1286.9	1264.3	1275.6	1298.2	1286.9	1309.5	1298.2
27.5°	1230.5	1207.9	1196.6	1185.3	1185.3	1162.7	1174.0	1174.0	1196.6	1207.9	1207.9
30°	1230.5	1196.6	1151.5	1117.6	1117.6	1083.7	1106.3	1128.9	1140.2	1162.7	1162.7
32.5°	1264.3	1196.6	1117.6	1083.7	1049.9	1027.3	1049.9	1083.7	1128.9	1140.2	1151.5
35°	1004.7	1038.6	1027.3	982.1	970.8	970.8	959.6	959.6	925.7	925.7	914.4
37.5°	903.1	891.8	914.4	925.7	937.0	903.1	903.1	858.0	846.7	858.0	858.0
40°	846.7	846.7	846.7	880.5	891.8	869.2	835.4	812.8	812.8	812.8	824.1
42.5°	824.1	801.5	790.2	812.8	846.7	824.1	790.2	778.9	778.9	790.2	790.2
45°	790.2	778.9	767.6	756.4	801.5	767.6	756.4	745.1	745.1	745.1	756.4
47.5°	756.4	745.1	722.5	722.5	733.8	722.5	711.2	711.2	711.2	733.8	733.8
50°	733.8	722.5	699.9	699.9	699.9	699.9	688.6	688.6	688.6	699.9	711.2
52.5°	699.9	688.6	677.3	666.0	666.0	666.0	666.0	666.0	666.0	677.3	688.6
55°	666.0	654.8	643.5	643.5	654.8	654.8	643.5	654.8	643.5	654.8	666.0
57.5°	632.2	620.9	609.6	620.9	632.2	620.9	620.9	620.9	620.9	620.9	632.2
60°	587.0	587.0	587.0	587.0	609.6	609.6	609.6	609.6	587.0	598.3	609.6
62.5°	564.4	553.2	553.2	564.4	575.7	575.7	587.0	575.7	564.4	575.7	575.7
65°	519.3	519.3	519.3	530.6	530.6	541.9	541.9	541.9	530.6	541.9	541.9
67.5°	485.4	485.4	485.4	485.4	508.0	508.0	508.0	508.0	496.7	496.7	508.0
70°	429.0	440.3	429.0	451.6	474.1	462.8	474.1	474.1	462.8	451.6	474.1
72.5°	395.1	395.1	395.1	395.1	429.0	429.0	429.0	440.3	429.0	417.7	429.0
75°	350.0	350.0	350.0	361.2	383.8	383.8	383.8	383.8	383.8	372.5	372.5
77.5°	304.8	316.1	304.8	316.1	338.7	327.4	338.7	350.0	338.7	327.4	327.4
80°	259.6	259.6	259.6	270.9	282.2	282.2	282.2	293.5	282.2	270.9	270.9
82.5°	203.2	203.2	214.5	214.5	225.8	225.8	225.8	237.1	225.8	214.5	214.5
85°	158.0	158.0	158.0	169.3	169.3	180.6	180.6	191.9	191.9	180.6	180.6
87.5°	101.6	90.3	101.6	101.6	112.9	112.9	101.6	90.3	101.6	90.3	79.0
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: P599077
 CATALOG NUMBER: IFLD-L-SA8B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0	8128.0
2.5°	7416.8	7620.0	7766.7	7868.3	8015.1	8297.3	8410.2	8613.4	8669.8	8703.7
5°	6378.2	6592.7	6908.8	7134.5	7394.2	7924.8	8331.2	8636.0	8771.4	8895.6
7.5°	5001.0	5283.2	5610.5	5904.1	6333.0	6987.8	7518.4	8150.5	8387.6	8511.8
10°	3905.9	4165.6	4526.8	4888.1	5486.4	6039.5	6795.9	7371.6	7699.0	7789.3
12.5°	3296.3	3601.1	4030.1	4470.4	4842.9	5475.1	6242.7	7078.1	7382.9	7439.3
15°	2799.6	3217.3	3657.6	4109.1	4538.1	5091.3	5915.3	6931.3	7382.9	7439.3
17.5°	2314.2	2686.7	3206.0	3691.4	4188.2	4944.5	5971.8	7055.5	7507.1	7676.4
20°	1840.1	2201.3	2607.7	3217.3	3894.6	4696.2	6096.0	7473.2	8071.5	8252.1
22.5°	1524.0	1682.0	2077.1	2664.2	3465.7	4526.8	6220.1	8128.0	8760.1	8827.9
25°	1332.1	1445.0	1693.3	2246.5	3127.0	4413.9	6513.7	8884.3	9697.1	9697.1
27.5°	1241.8	1286.9	1456.3	1953.0	2889.9	4312.3	6807.2	9719.7	10476.0	10634.1
30°	1219.2	1332.1	1422.4	1738.5	2630.3	4030.1	7078.1	10374.4	11153.4	11164.6
32.5°	1196.6	1174.0	1241.8	1512.7	2314.2	3736.6	7303.9	11040.5	11650.1	11683.9
35°	937.0	982.1	1095.0	1332.1	2077.1	3522.1	7416.8	11401.7	12282.2	12316.1
37.5°	880.5	937.0	1027.3	1230.5	1919.1	3341.5	7450.6	12101.6	12948.3	13016.0
40°	858.0	903.1	970.8	1140.2	1794.9	3115.7	7518.4	12824.1	13930.4	13840.1
42.5°	812.8	869.2	937.0	1095.0	1693.3	2946.4	7529.6	13219.2	14449.7	14449.7
45°	801.5	835.4	914.4	1095.0	1580.4	2799.6	7349.0	13614.3	15048.0	14867.4
47.5°	756.4	824.1	891.8	1061.1	1445.0	2652.9	7134.5	13817.5	15127.0	15070.6
50°	745.1	812.8	925.7	1004.7	1365.9	2585.1	7089.4	14325.5	15285.1	15273.8
52.5°	722.5	790.2	959.6	959.6	1264.3	2494.8	7303.9	14551.3	15318.9	15409.2
55°	688.6	790.2	891.8	880.5	1174.0	2381.9	7540.9	15138.3	15917.2	15894.7
57.5°	666.0	767.6	846.7	801.5	1072.4	2302.9	7890.9	15702.8	16639.7	16481.7
60°	632.2	767.6	756.4	745.1	993.4	2235.2	8184.4	15815.6	16797.8	16899.4
62.5°	609.6	801.5	666.0	688.6	925.7	2201.3	8060.2	14969.0	16583.3	16673.6
65°	587.0	688.6	609.6	632.2	903.1	2133.6	7574.8	13953.0	15657.6	16052.7
67.5°	541.9	564.4	564.4	587.0	880.5	1975.5	6581.4	12124.2	14246.5	14461.0
70°	496.7	508.0	508.0	541.9	858.0	1794.9	5429.9	10487.3	12361.3	12767.7
72.5°	451.6	451.6	451.6	496.7	790.2	1648.2	4470.4	8060.2	10272.8	10555.1
75°	395.1	395.1	395.1	440.3	711.2	1501.4	3522.1	5994.4	7563.5	7969.9
77.5°	350.0	350.0	338.7	395.1	620.9	1219.2	2540.0	4233.3	5328.3	5667.0
80°	293.5	282.2	282.2	316.1	485.4	880.5	1636.9	2991.5	3714.0	3860.8
82.5°	237.1	225.8	214.5	237.1	350.0	553.2	1016.0	2088.4	2381.9	2291.6
85°	225.8	237.1	191.9	180.6	248.4	361.2	643.5	1286.9	1072.4	1072.4
87.5°	90.3	79.0	79.0	67.7	124.2	135.5	282.2	237.1	180.6	180.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)