

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: P599041

Luminaire Tested: **IFLD-M-SA4E-760-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599041
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4E-760-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (64) 5700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

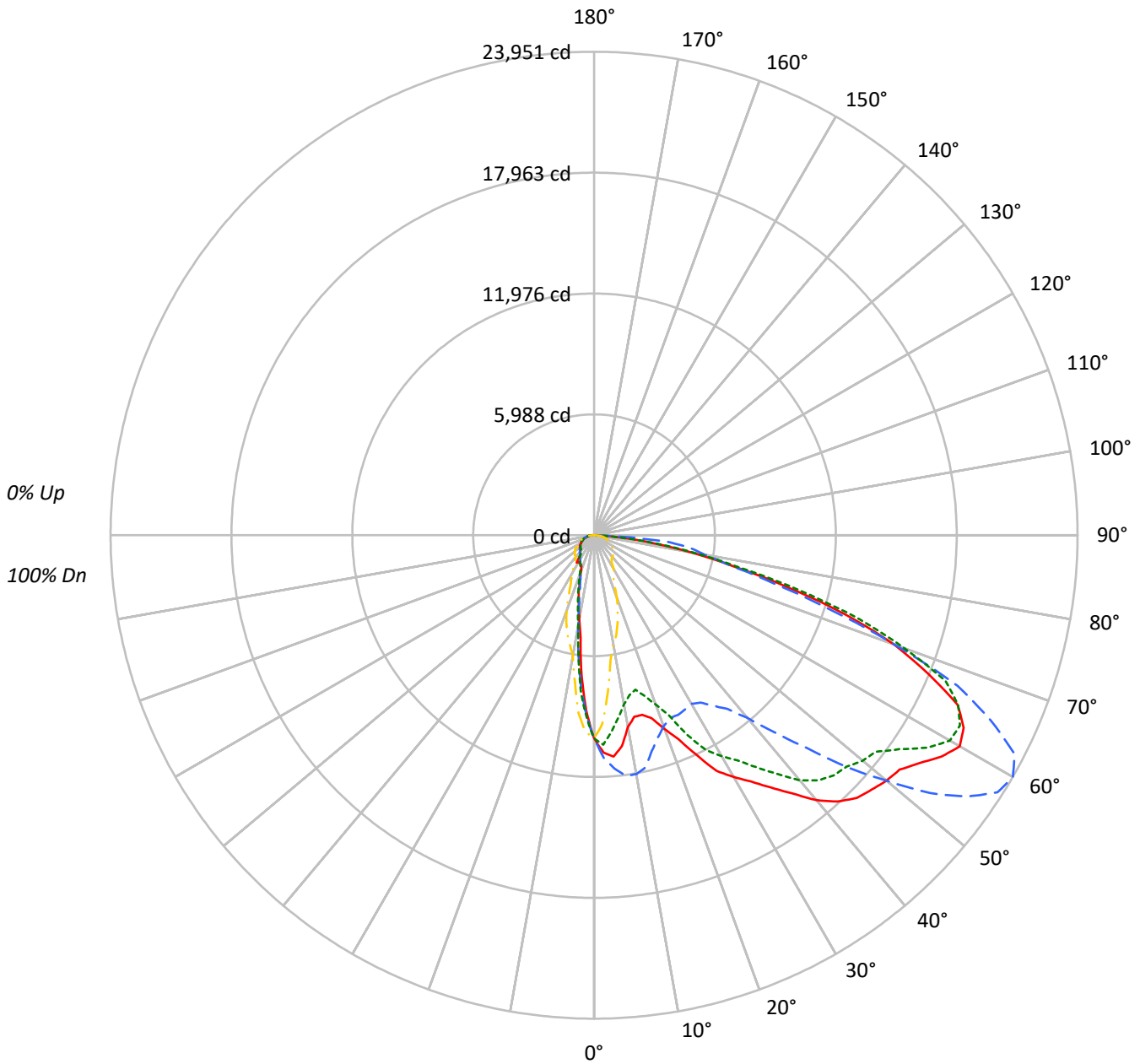
Lumens per Lamp: N/A
 Luminaire Lumens: 31501.0 lumens
 Efficiency: N/A
 Efficacy: 100.1 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 314.8
 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°	108298	108298	108298	108298
5°	118980	105693	75796	82742
10°	105387	93015	45974	49333
15°	102619	88293	32546	33791
20°	117009	102123	21289	23530
25°	142563	129452	18588	19252
30°	171773	157009	19279	17889
35°	200332	184356	15975	15057
40°	240727	222662	14922	14137
45°	280150	255899	15102	14040
50°	316606	290866	15445	14508
55°	369233	346679	15996	15210
60°	450341	438007	15944	15944
65°	506104	506817	16372	17082
70°	497393	514985	17152	17593
75°	410296	437612	18016	19176
80°	296242	310964	19923	20790
85°	163949	176028	22440	27615

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	781.6	2.5
10°-20°	1650.3	5.2
20°-30°	2414.5	7.7
30°-40°	3401.9	10.8
40°-50°	4675.3	14.8
50°-60°	6371.8	20.2
60°-70°	6973.7	22.1
70°-80°	4026.2	12.8
80°-90°	1205.7	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°	4846.4	15.4
0°-40°	8248.3	26.2
0°-60°	19295.4	61.3
0°-90°	31501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31501.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10061	10061	10061	10061	10061	
5°	11012	9782	7015	7658	11012	1000
15°	9209	7923	2921	3032	9209	2690
25°	12004	10900	1565	1621	12004	5621
35°	15246	14030	1216	1146	15246	9667
45°	18404	16811	992	922	18404	14145
55°	19675	18474	852	810	19675	17753
65°	19871	19899	643	671	19871	19019
75°	9866	10522	433	461	9866	10598
85°	1328	1425	182	224	1328	1842
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°	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2
2.5°	10773.9	10732.0	10773.9	10927.6	10969.5	11039.4	11039.4	10941.6	10759.9	10676.1	10536.3
5°	11011.5	10941.6	11290.9	11612.3	11863.9	11835.9	11598.4	11402.7	11039.4	10494.4	9977.4
7.5°	10536.3	10606.2	10857.8	11696.2	12283.1	12394.9	12017.6	11626.3	10843.8	10089.2	9390.5
10°	9642.0	9739.8	10284.8	11151.2	12073.5	12255.1	12017.6	11542.5	10606.2	9670.0	8859.5
12.5°	9208.8	9432.4	9753.8	10801.9	11458.6	11891.8	11780.0	11472.6	10424.6	9320.6	8538.1
15°	9208.8	9264.7	9739.8	10620.2	10997.5	11011.5	11053.4	11109.3	10480.5	9474.3	8426.3
17.5°	9502.3	9656.0	10061.2	10606.2	10676.1	10508.4	10508.4	10746.0	10592.2	9907.5	8831.5
20°	10214.9	10159.1	10690.1	10913.6	10536.3	10117.1	10075.2	10480.5	10718.0	10368.7	9572.1
22.5°	10927.6	11179.2	11612.3	11109.3	10410.6	9851.6	9795.7	10298.8	11095.3	11165.2	10424.6
25°	12003.6	12255.1	12478.7	11863.9	10396.6	9781.8	9823.7	10214.9	11556.4	12297.1	11849.9
27.5°	13163.5	13317.2	13638.6	12688.3	10732.0	9697.9	9739.8	10326.7	11989.6	13037.7	12967.8
30°	13820.2	13987.9	13918.0	12842.0	10955.6	9753.8	9642.0	10480.5	11752.1	13037.7	13694.5
32.5°	14463.0	14365.2	14323.3	13093.6	11235.0	10103.2	9823.7	10801.9	11891.8	13247.3	14630.7
35°	15245.6	15105.8	14994.0	13582.7	11696.2	10438.5	10312.8	11221.1	12199.2	13680.5	15385.3
37.5°	16112.0	16112.0	15567.0	13946.0	12241.2	10983.5	10843.8	11822.0	12688.3	13946.0	16419.4
40°	17132.0	17174.0	16209.8	14435.1	12856.0	11849.9	11808.0	12604.5	13163.5	14337.3	17411.5
42.5°	17886.6	17914.6	16768.7	14616.7	13568.7	13051.7	13233.3	13862.1	13708.4	14686.6	17481.4
45°	18403.7	18263.9	17160.0	15133.8	14351.2	14854.3	14910.2	15091.9	14421.1	14896.2	17760.9
47.5°	18655.2	18627.3	17327.7	15734.7	16000.2	16684.9	17006.3	16754.8	15077.9	14672.6	17760.9
50°	18906.7	18669.2	17481.4	16559.1	17607.2	18990.6	18920.7	18459.6	15986.2	14952.1	17495.4
52.5°	19074.4	18864.8	17788.8	17299.7	19144.3	20709.4	20988.9	20136.4	17048.2	15469.1	17621.1
55°	19675.3	19507.6	18711.1	18305.9	20919.0	22526.0	22567.9	21380.1	18166.1	16321.6	18445.6
57.5°	20402.0	20499.8	19982.7	19731.2	22274.5	23853.5	23699.8	22302.4	19116.3	17355.6	19395.8
60°	20919.0	21072.7	20946.9	20974.9	22945.2	24300.7	23951.3	22875.3	19815.0	18138.2	20555.7
62.5°	20639.5	20946.9	21464.0	21352.2	22973.2	23979.3	23490.2	22120.7	19898.9	19158.3	21436.0
65°	19870.9	19898.9	20905.0	21519.9	21715.5	22316.4	21673.6	20541.7	19032.5	19787.1	21310.3
67.5°	17900.6	18124.2	19032.5	20234.3	19409.8	19549.5	19493.6	17858.7	17719.0	19353.9	20346.1
70°	15804.5	15958.2	16950.4	18361.8	16391.4	15734.7	15860.4	14644.7	15217.6	18012.4	18403.7
72.5°	13065.6	13163.5	14295.3	15539.0	13149.5	11975.7	12269.1	11277.0	12087.5	15762.6	15525.0
75°	9865.6	10047.3	10927.6	12394.9	9683.9	8929.3	9222.8	8817.6	9572.1	12981.8	12045.5
77.5°	7014.9	6875.2	7965.1	9697.9	7280.4	6833.3	6861.2	6931.1	7741.6	10941.6	8649.9
80°	4779.1	4821.0	5799.2	7112.7	5715.3	5645.5	5575.6	6134.6	6497.9	8663.8	6288.3
82.5°	2836.7	2836.7	3912.7	5058.6	4513.6	5086.5	4765.1	5268.2	5086.5	6372.1	4122.3
85°	1327.5	1327.5	2012.2	3647.2	3493.5	4192.2	3563.4	3982.6	3759.0	4443.7	1858.5
87.5°	223.6	195.6	405.2	1788.7	1439.3	1635.0	642.8	2124.0	2361.6	3102.2	461.1
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°	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2
2.5°	10382.6	10284.8	10089.2	9837.7	9628.0	9362.5	9278.7	9097.0	8845.5	8817.6	8705.8
5°	9781.8	9446.4	9027.2	8510.1	8160.8	7797.5	7490.0	7308.4	7098.8	7070.8	7014.9
7.5°	9125.0	8705.8	8007.1	7392.2	6791.3	6218.4	5938.9	5589.6	5352.0	5170.4	5086.5
10°	8510.1	8118.9	7252.5	6414.0	5883.0	5505.7	5170.4	4807.0	4513.6	4290.0	4206.2
12.5°	8104.9	7643.7	6707.5	5911.0	5519.7	5086.5	4709.2	4317.9	3940.7	3647.2	3493.5
15°	7923.2	7490.0	6539.8	5659.4	5086.5	4485.6	4052.4	3661.2	3200.0	2990.4	2920.6
17.5°	8356.4	7713.6	6483.9	5366.0	4555.5	3870.8	3339.8	2920.6	2585.2	2375.6	2291.7
20°	8915.4	8118.9	6581.7	5016.6	4052.4	3283.9	2697.0	2249.8	2026.2	1872.5	1858.5
22.5°	9628.0	8719.7	6735.4	4765.1	3493.5	2641.1	2110.1	1844.6	1690.8	1676.9	1648.9
25°	10899.7	9809.7	6987.0	4429.7	3046.3	2179.9	1802.6	1648.9	1579.1	1537.1	1565.1
27.5°	11989.6	10522.4	7168.6	4220.1	2864.7	2054.2	1746.7	1579.1	1509.2	1495.2	1509.2
30°	12632.4	11179.2	7112.7	3828.9	2501.3	1956.4	1858.5	1802.6	1662.9	1551.1	1551.1
32.5°	13219.3	11598.4	7098.8	3479.5	2138.0	1635.0	1551.1	1509.2	1593.0	1648.9	1607.0
35°	14029.8	12255.1	7056.8	3283.9	1984.3	1509.2	1369.4	1257.7	1201.8	1173.8	1215.7
37.5°	14896.2	12702.3	6945.0	3255.9	1900.5	1439.3	1327.5	1215.7	1159.8	1131.9	1117.9
40°	15846.4	13177.4	6819.3	3116.2	1858.5	1397.4	1285.6	1187.8	1117.9	1076.0	1062.0
42.5°	16461.3	13554.7	6693.5	3046.3	1774.7	1369.4	1243.7	1159.8	1090.0	1034.1	1034.1
45°	16810.6	14001.9	6567.8	2976.4	1676.9	1383.4	1243.7	1131.9	1048.0	1020.1	992.1
47.5°	16964.4	14337.3	6525.8	2864.7	1593.0	1327.5	1215.7	1103.9	1020.1	964.2	950.2
50°	17369.6	15049.9	6679.5	2780.8	1495.2	1271.6	1285.6	1090.0	1006.1	936.3	922.3
52.5°	17607.2	15622.9	7014.9	2655.0	1425.3	1201.8	1257.7	1062.0	964.2	894.3	894.3
55°	18473.5	16573.1	7378.2	2557.2	1341.5	1103.9	1159.8	1006.1	894.3	852.4	852.4
57.5°	19577.5	17579.2	7685.7	2515.3	1285.6	1034.1	1034.1	978.2	852.4	796.5	782.5
60°	20346.1	18403.7	7867.3	2487.4	1229.7	964.2	922.3	978.2	810.5	754.6	740.6
62.5°	20429.9	17928.6	7685.7	2473.4	1215.7	894.3	838.4	936.3	768.6	712.7	684.7
65°	19898.9	16964.4	7182.6	2417.5	1201.8	824.5	782.5	810.5	712.7	670.7	642.8
67.5°	18836.9	15399.3	6456.0	2389.5	1187.8	768.6	712.7	698.7	656.8	614.9	586.9
70°	16363.5	13359.1	5603.5	2263.8	1159.8	726.6	642.8	628.8	586.9	559.0	545.0
72.5°	13736.4	10927.6	4625.4	2096.1	1103.9	656.8	586.9	559.0	545.0	503.1	489.1
75°	10522.4	8412.3	3703.1	1858.5	964.2	586.9	517.0	489.1	475.1	447.2	433.2
77.5°	7392.2	6260.3	2738.9	1509.2	810.5	531.0	461.1	433.2	419.2	377.3	377.3
80°	5016.6	4387.8	1858.5	1048.0	628.8	433.2	405.2	377.3	349.3	321.4	321.4
82.5°	3116.2	3074.3	1341.5	684.7	461.1	349.3	321.4	321.4	279.5	251.5	251.5
85°	1425.3	1886.5	936.3	475.1	349.3	265.5	265.5	251.5	223.6	181.7	181.7
87.5°	447.2	628.8	489.1	209.6	195.6	153.7	153.7	139.7	139.7	111.8	111.8
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°	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2
2.5°	8817.6	8803.6	8803.6	8747.7	8887.4	8887.4	8971.3	8901.4	8943.3	8957.3	9069.1
5°	7000.9	7112.7	7196.6	7364.3	7462.1	7504.0	7504.0	7615.8	7573.9	7657.7	7825.4
7.5°	5128.4	5268.2	5519.7	5729.3	5897.0	5952.9	5938.9	5966.9	6008.8	5911.0	5938.9
10°	4150.3	4052.4	4136.3	4331.9	4485.6	4667.3	4527.6	4513.6	4555.5	4513.6	4597.4
12.5°	3465.5	3353.7	3283.9	3283.9	3395.7	3479.5	3437.6	3507.5	3661.2	3703.1	3800.9
15°	2808.8	2710.9	2655.0	2585.2	2697.0	2724.9	2766.8	2864.7	2976.4	3032.3	3144.1
17.5°	2249.8	2249.8	2249.8	2193.9	2235.8	2277.8	2291.7	2417.5	2431.5	2487.4	2529.3
20°	1844.6	1886.5	1956.4	1984.3	2026.2	2026.2	1998.3	2068.1	2012.2	2054.2	2082.1
22.5°	1662.9	1718.8	1746.7	1760.7	1816.6	1830.6	1760.7	1774.7	1788.7	1746.7	1760.7
25°	1565.1	1593.0	1565.1	1579.1	1593.0	1565.1	1579.1	1607.0	1593.0	1621.0	1607.0
27.5°	1523.2	1495.2	1481.2	1467.3	1467.3	1439.3	1453.3	1453.3	1481.2	1495.2	1495.2
30°	1523.2	1481.2	1425.3	1383.4	1383.4	1341.5	1369.4	1397.4	1411.4	1439.3	1439.3
32.5°	1565.1	1481.2	1383.4	1341.5	1299.6	1271.6	1299.6	1341.5	1397.4	1411.4	1425.3
35°	1243.7	1285.6	1271.6	1215.7	1201.8	1201.8	1187.8	1187.8	1145.9	1145.9	1131.9
37.5°	1117.9	1103.9	1131.9	1145.9	1159.8	1117.9	1117.9	1062.0	1048.0	1062.0	1062.0
40°	1048.0	1048.0	1048.0	1090.0	1103.9	1076.0	1034.1	1006.1	1006.1	1006.1	1020.1
42.5°	1020.1	992.1	978.2	1006.1	1048.0	1020.1	978.2	964.2	964.2	978.2	978.2
45°	978.2	964.2	950.2	936.3	992.1	950.2	936.3	922.3	922.3	922.3	936.3
47.5°	936.3	922.3	894.3	894.3	908.3	894.3	880.4	880.4	880.4	908.3	908.3
50°	908.3	894.3	866.4	866.4	866.4	866.4	852.4	852.4	852.4	866.4	880.4
52.5°	866.4	852.4	838.4	824.5	824.5	824.5	824.5	824.5	824.5	838.4	852.4
55°	824.5	810.5	796.5	796.5	810.5	810.5	796.5	810.5	796.5	810.5	824.5
57.5°	782.5	768.6	754.6	768.6	782.5	768.6	768.6	768.6	768.6	768.6	782.5
60°	726.6	726.6	726.6	726.6	754.6	754.6	754.6	754.6	726.6	740.6	754.6
62.5°	698.7	684.7	684.7	698.7	712.7	712.7	726.6	712.7	698.7	712.7	712.7
65°	642.8	642.8	642.8	656.8	656.8	670.7	670.7	670.7	656.8	670.7	670.7
67.5°	600.9	600.9	600.9	600.9	628.8	628.8	628.8	628.8	614.9	614.9	628.8
70°	531.0	545.0	531.0	559.0	586.9	572.9	586.9	586.9	572.9	559.0	586.9
72.5°	489.1	489.1	489.1	489.1	531.0	531.0	531.0	545.0	531.0	517.0	531.0
75°	433.2	433.2	433.2	447.2	475.1	475.1	475.1	475.1	475.1	461.1	461.1
77.5°	377.3	391.3	377.3	391.3	419.2	405.2	419.2	433.2	419.2	405.2	405.2
80°	321.4	321.4	321.4	335.4	349.3	349.3	349.3	363.3	349.3	335.4	335.4
82.5°	251.5	251.5	265.5	265.5	279.5	279.5	279.5	293.5	279.5	265.5	265.5
85°	195.6	195.6	195.6	209.6	209.6	223.6	223.6	237.6	237.6	223.6	223.6
87.5°	125.8	111.8	125.8	125.8	139.7	139.7	125.8	111.8	125.8	111.8	97.8
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: P599041
 CATALOG NUMBER: IFLD-M-SA4E-760-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2	10061.2
2.5°	9180.9	9432.4	9614.1	9739.8	9921.5	10270.8	10410.6	10662.1	10732.0	10773.9
5°	7895.3	8160.8	8552.1	8831.5	9152.9	9809.7	10312.8	10690.1	10857.8	11011.5
7.5°	6190.5	6539.8	6945.0	7308.4	7839.4	8649.9	9306.6	10089.2	10382.6	10536.3
10°	4835.0	5156.4	5603.5	6050.7	6791.3	7476.1	8412.3	9125.0	9530.2	9642.0
12.5°	4080.4	4457.7	4988.7	5533.7	5994.8	6777.4	7727.6	8761.7	9139.0	9208.8
15°	3465.5	3982.6	4527.6	5086.5	5617.5	6302.2	7322.3	8580.0	9139.0	9208.8
17.5°	2864.7	3325.8	3968.6	4569.5	5184.3	6120.6	7392.2	8733.7	9292.7	9502.3
20°	2277.8	2724.9	3228.0	3982.6	4821.0	5813.2	7545.9	9250.7	9991.4	10214.9
22.5°	1886.5	2082.1	2571.2	3297.8	4290.0	5603.5	7699.6	10061.2	10843.8	10927.6
25°	1648.9	1788.7	2096.1	2780.8	3870.8	5463.8	8063.0	10997.5	12003.6	12003.6
27.5°	1537.1	1593.0	1802.6	2417.5	3577.3	5338.0	8426.3	12031.6	12967.8	13163.5
30°	1509.2	1648.9	1760.7	2152.0	3255.9	4988.7	8761.7	12842.0	13806.3	13820.2
32.5°	1481.2	1453.3	1537.1	1872.5	2864.7	4625.4	9041.1	13666.5	14421.1	14463.0
35°	1159.8	1215.7	1355.5	1648.9	2571.2	4359.9	9180.9	14113.7	15203.6	15245.6
37.5°	1090.0	1159.8	1271.6	1523.2	2375.6	4136.3	9222.8	14980.1	16028.1	16112.0
40°	1062.0	1117.9	1201.8	1411.4	2221.9	3856.8	9306.6	15874.4	17243.8	17132.0
42.5°	1006.1	1076.0	1159.8	1355.5	2096.1	3647.2	9320.6	16363.5	17886.6	17886.6
45°	992.1	1034.1	1131.9	1355.5	1956.4	3465.5	9097.0	16852.6	18627.3	18403.7
47.5°	936.3	1020.1	1103.9	1313.6	1788.7	3283.9	8831.5	17104.1	18725.1	18655.2
50°	922.3	1006.1	1145.9	1243.7	1690.8	3200.0	8775.6	17732.9	18920.7	18906.7
52.5°	894.3	978.2	1187.8	1187.8	1565.1	3088.2	9041.1	18012.4	18962.6	19074.4
55°	852.4	978.2	1103.9	1090.0	1453.3	2948.5	9334.6	18739.1	19703.3	19675.3
57.5°	824.5	950.2	1048.0	992.1	1327.5	2850.7	9767.8	19437.7	20597.6	20402.0
60°	782.5	950.2	936.3	922.3	1229.7	2766.8	10131.1	19577.5	20793.2	20919.0
62.5°	754.6	992.1	824.5	852.4	1145.9	2724.9	9977.4	18529.4	20527.7	20639.5
65°	726.6	852.4	754.6	782.5	1117.9	2641.1	9376.5	17271.8	19381.9	19870.9
67.5°	670.7	698.7	698.7	726.6	1090.0	2445.4	8146.8	15008.0	17635.1	17900.6
70°	614.9	628.8	628.8	670.7	1062.0	2221.9	6721.5	12981.8	15301.5	15804.5
72.5°	559.0	559.0	559.0	614.9	978.2	2040.2	5533.7	9977.4	12716.3	13065.6
75°	489.1	489.1	489.1	545.0	880.4	1858.5	4359.9	7420.2	9362.5	9865.6
77.5°	433.2	433.2	419.2	489.1	768.6	1509.2	3144.1	5240.2	6595.7	7014.9
80°	363.3	349.3	349.3	391.3	600.9	1090.0	2026.2	3703.1	4597.4	4779.1
82.5°	293.5	279.5	265.5	293.5	433.2	684.7	1257.7	2585.2	2948.5	2836.7
85°	279.5	293.5	237.6	223.6	307.4	447.2	796.5	1593.0	1327.5	1327.5
87.5°	111.8	97.8	97.8	83.8	153.7	167.7	349.3	293.5	223.6	223.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)