

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: P598722

Luminaire Tested: **IFLD-M-SA4E-740-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598722
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4E-740-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (64) 4000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

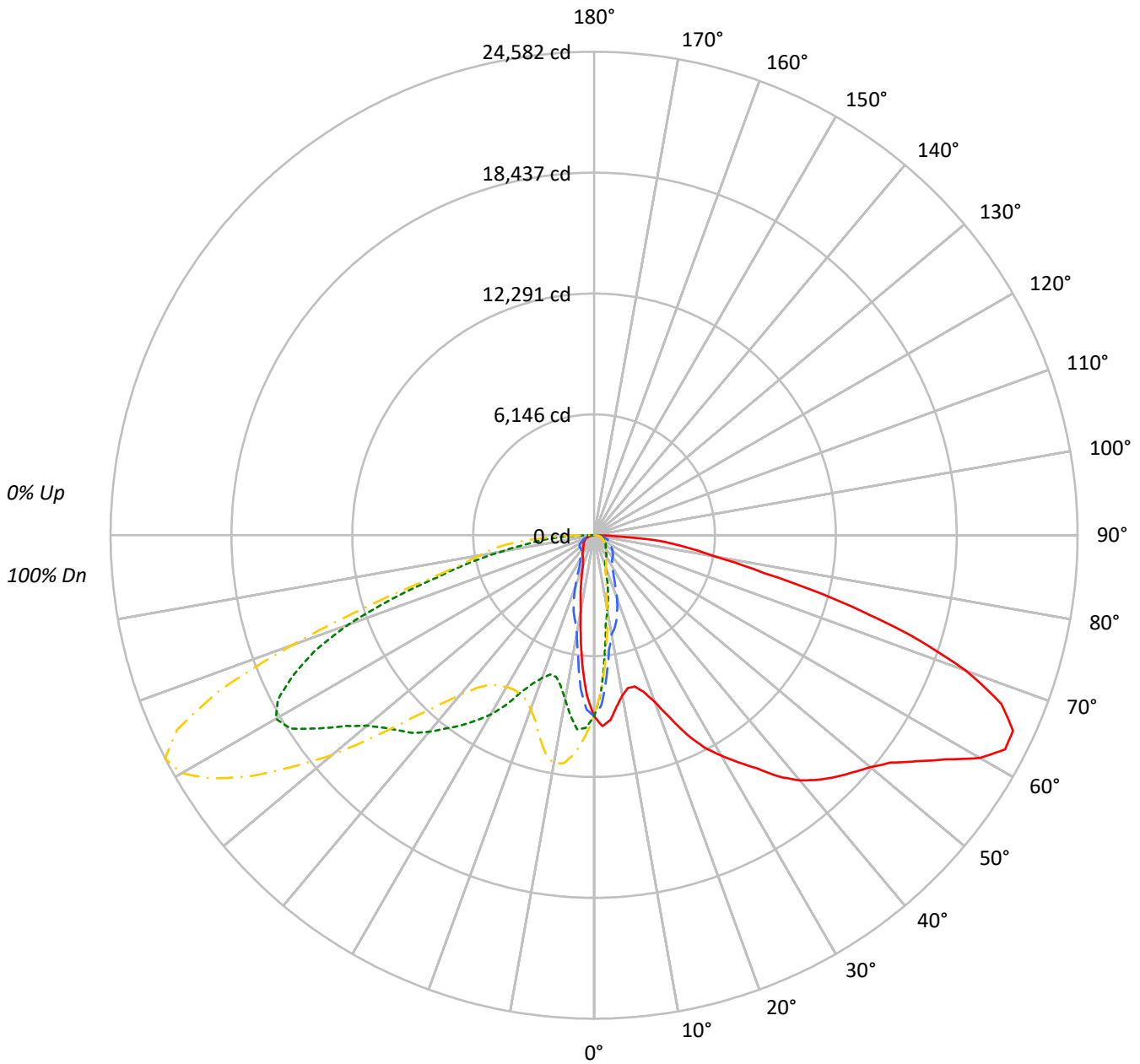
Lumens per Lamp: N/A
 Luminaire Lumens: 30794.8 lumens
 Efficiency: N/A
 Efficacy: 97.8 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

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	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°	99017	99017	99017	99017
5°	101901	66264	72388	107052
10°	90406	42104	42527	92518
15°	88727	29863	28284	82984
20°	103158	18890	19038	88401
25°	132665	16220	15760	104510
30°	160774	15372	14412	130829
35°	190289	13544	13035	155075
40°	228645	12853	11948	183205
45°	264570	12747	11571	213577
50°	307223	12944	11650	252208
55°	375968	13298	11847	321326
60°	487597	13313	12482	401892
65°	598533	13453	12798	430197
70°	633347	14191	13382	418852
75°	533136	15001	13396	341850
80°	387331	17567	13575	295492
85°	410521	25454	11140	307100

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	711.9	2.3
10°-20°	1490.0	4.8
20°-30°	2147.2	7.0
30°-40°	3091.1	10.0
40°-50°	4390.7	14.3
50°-60°	6312.5	20.5
60°-70°	7293.1	23.7
70°-80°	4129.5	13.4
80°-90°	1229.0	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°	4349.1	14.1
0°-40°	7440.2	24.2
0°-60°	18143.4	58.9
0°-90°	30794.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30794.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9199	9199	9199	9199	9199	
5°	9431	6133	6700	9908	9431	856
15°	7962	2680	2538	7447	7962	2341
25°	11170	1366	1327	8800	11170	5185
35°	14481	1031	992	11802	14481	9191
45°	17380	837	760	14030	17380	13458
55°	20034	709	631	17122	20034	18144
65°	23500	528	502	16891	23500	22535
75°	12819	361	322	8220	12819	13602
85°	3324	206	90	2487	3324	3310
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°	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0
2.5°	9714.3	9701.4	9624.1	9379.4	9121.7	8876.9	8645.0	8400.2	8271.4	8116.8	8052.3
5°	9430.9	9405.1	9186.1	8645.0	8168.3	7652.9	7214.9	6867.0	6583.6	6300.1	6197.1
7.5°	8786.7	8748.1	8490.4	7743.1	7047.4	6377.4	5849.2	5398.3	5024.7	4857.2	4663.9
10°	8271.4	8206.9	7872.0	7047.4	6145.5	5475.6	5127.7	4818.5	4496.4	4225.9	3942.4
12.5°	7949.3	7872.0	7524.1	6557.8	5681.7	5179.3	4818.5	4470.7	4071.3	3736.3	3427.1
15°	7962.1	7872.0	7446.8	6429.0	5565.8	4921.6	4419.1	3942.4	3478.6	3105.0	2757.1
17.5°	8335.8	8219.8	7768.9	6609.4	5475.6	4586.6	3916.7	3298.2	2770.0	2370.6	2087.2
20°	9005.7	8928.4	8413.1	6879.9	5385.4	4225.9	3401.3	2654.0	2100.0	1790.8	1674.9
22.5°	10010.7	9920.5	9366.5	7292.2	5359.6	3903.8	2847.3	2087.2	1687.8	1558.9	1494.5
25°	11170.2	11002.7	10487.4	7987.9	5411.2	3607.4	2396.4	1726.4	1507.4	1417.2	1378.6
27.5°	12175.1	12072.1	11492.3	8645.0	5436.9	3375.5	2087.2	1571.8	1404.3	1327.0	1301.3
30°	12935.3	12896.6	12329.7	9366.5	5372.5	3092.1	1893.9	1507.4	1404.3	1327.0	1249.7
32.5°	13695.4	13708.3	13102.8	9920.5	5282.3	2847.3	1713.5	1339.9	1236.8	1185.3	1198.2
35°	14481.3	14545.7	14030.4	10461.6	5089.1	2757.1	1584.7	1249.7	1159.5	1082.2	1043.6
37.5°	15473.4	15640.8	15138.4	11067.1	4895.8	2679.8	1520.3	1185.3	1095.1	1030.7	979.2
40°	16272.2	16581.4	16285.0	11634.0	4767.0	2589.6	1468.7	1120.9	1056.5	979.2	940.5
42.5°	16864.8	17225.5	17122.5	12072.1	4767.0	2499.4	1417.2	1082.2	1030.7	940.5	889.0
45°	17380.2	17753.8	17740.9	12523.0	4870.1	2447.9	1352.8	1082.2	1004.9	914.7	863.2
47.5°	17844.0	18217.6	18346.4	13089.9	5037.5	2422.1	1275.5	1056.5	1004.9	901.9	824.6
50°	18346.4	18758.7	19145.2	13991.7	5243.7	2357.7	1224.0	1017.8	1017.8	889.0	798.8
52.5°	18990.6	19454.4	20163.0	15112.6	5449.8	2241.8	1146.7	992.0	1017.8	876.1	773.0
55°	20034.2	20420.7	21348.3	16452.5	5707.5	2100.0	1082.2	927.6	966.3	837.4	734.4
57.5°	21206.6	21541.6	22314.6	17483.2	5784.8	1919.7	992.0	863.2	927.6	798.8	682.8
60°	22649.6	22817.1	22817.1	17779.5	5527.1	1752.2	927.6	811.7	837.4	760.1	644.2
62.5°	23564.3	23564.3	22817.1	17238.4	5037.5	1610.5	876.1	760.1	734.4	708.6	605.5
65°	23499.9	23396.9	22288.9	15666.6	4470.7	1520.3	824.6	695.7	657.1	644.2	566.9
67.5°	22417.7	22237.3	20729.9	13450.6	3878.0	1481.6	773.0	631.3	605.5	579.8	515.3
70°	20124.4	19660.6	17805.3	10822.3	3298.2	1455.9	760.1	579.8	554.0	528.2	476.7
72.5°	16800.4	16207.7	13901.5	8322.9	2770.0	1365.7	721.5	515.3	502.5	476.7	425.2
75°	12819.3	11724.2	9701.4	6364.6	2151.6	1185.3	618.4	450.9	450.9	438.0	386.5
77.5°	8838.2	8271.4	6764.0	4702.6	1571.8	914.7	502.5	399.4	399.4	412.3	360.7
80°	6248.6	5720.4	4818.5	3375.5	992.0	618.4	386.5	335.0	373.6	399.4	335.0
82.5°	4779.9	4393.4	3581.7	2460.8	579.8	425.2	296.3	270.6	322.1	347.9	283.4
85°	3324.0	2860.2	1816.6	1649.1	335.0	257.7	219.0	219.0	283.4	347.9	257.7
87.5°	940.5	399.4	116.0	489.6	141.7	103.1	77.3	51.5	77.3	77.3	51.5
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°	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0
2.5°	7987.9	7910.6	7910.6	7884.8	7897.7	7910.6	7897.7	7987.9	8026.6	8078.1	8181.2
5°	6132.7	6235.7	6158.4	6235.7	6338.8	6493.4	6532.1	6648.0	6660.9	6751.1	6699.5
7.5°	4548.0	4535.1	4470.7	4560.8	4844.3	5063.3	5166.4	5230.8	5243.7	5243.7	5179.3
10°	3852.2	3736.3	3620.3	3555.9	3581.7	3813.6	3890.9	3929.5	3903.8	3942.4	3890.9
12.5°	3298.2	3195.2	3027.7	2911.7	2834.4	2898.8	2976.1	3014.8	3040.6	3105.0	3156.5
15°	2679.8	2576.7	2473.7	2409.3	2344.8	2293.3	2357.7	2396.4	2460.8	2512.3	2538.1
17.5°	2035.6	1984.1	1932.6	1971.2	1971.2	1945.4	1971.2	1984.1	2009.9	2048.5	2035.6
20°	1649.1	1636.2	1623.4	1687.8	1739.3	1739.3	1765.1	1726.4	1713.5	1674.9	1662.0
22.5°	1468.7	1468.7	1481.6	1533.2	1584.7	1610.5	1610.5	1546.0	1481.6	1455.9	1468.7
25°	1365.7	1365.7	1404.3	1417.2	1443.0	1443.0	1455.9	1391.4	1352.8	1314.1	1327.0
27.5°	1288.4	1288.4	1301.3	1301.3	1314.1	1314.1	1327.0	1301.3	1249.7	1236.8	1236.8
30°	1236.8	1236.8	1224.0	1224.0	1224.0	1224.0	1236.8	1198.2	1172.4	1159.5	1159.5
32.5°	1185.3	1172.4	1159.5	1159.5	1146.7	1146.7	1159.5	1120.9	1108.0	1108.0	1108.0
35°	1030.7	1017.8	1030.7	1056.5	1056.5	1069.3	1069.3	1056.5	1030.7	1004.9	992.0
37.5°	966.3	953.4	953.4	953.4	979.2	992.0	1004.9	979.2	940.5	901.9	901.9
40°	914.7	914.7	901.9	901.9	901.9	927.6	953.4	914.7	863.2	850.3	850.3
42.5°	876.1	863.2	850.3	837.4	824.6	863.2	889.0	837.4	811.7	811.7	811.7
45°	837.4	824.6	811.7	798.8	785.9	798.8	824.6	773.0	760.1	760.1	760.1
47.5°	798.8	785.9	760.1	747.3	734.4	734.4	760.1	721.5	708.6	721.5	721.5
50°	773.0	747.3	721.5	708.6	695.7	695.7	695.7	682.8	682.8	682.8	695.7
52.5°	747.3	721.5	682.8	670.0	657.1	657.1	657.1	657.1	644.2	657.1	670.0
55°	708.6	682.8	657.1	644.2	631.3	618.4	631.3	618.4	618.4	631.3	631.3
57.5°	657.1	631.3	605.5	605.5	592.7	592.7	605.5	592.7	592.7	605.5	605.5
60°	618.4	592.7	566.9	566.9	554.0	566.9	579.8	566.9	566.9	566.9	579.8
62.5°	566.9	554.0	528.2	528.2	528.2	528.2	541.1	528.2	541.1	541.1	541.1
65°	528.2	502.5	489.6	489.6	489.6	489.6	515.3	489.6	502.5	502.5	502.5
67.5°	489.6	463.8	450.9	450.9	450.9	450.9	476.7	450.9	463.8	476.7	463.8
70°	450.9	425.2	412.3	412.3	412.3	412.3	425.2	412.3	412.3	425.2	425.2
72.5°	399.4	386.5	373.6	373.6	360.7	373.6	386.5	373.6	373.6	373.6	373.6
75°	360.7	347.9	347.9	335.0	335.0	335.0	347.9	322.1	322.1	322.1	322.1
77.5°	335.0	309.2	309.2	309.2	296.3	309.2	296.3	270.6	270.6	270.6	270.6
80°	283.4	257.7	270.6	270.6	257.7	257.7	244.8	219.0	219.0	219.0	219.0
82.5°	231.9	206.1	219.0	219.0	219.0	219.0	193.3	180.4	167.5	154.6	154.6
85°	206.1	167.5	193.3	193.3	180.4	180.4	128.8	128.8	103.1	103.1	90.2
87.5°	38.7	25.8	51.5	64.4	64.4	77.3	51.5	64.4	38.7	25.8	25.8
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°	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0
2.5°	8168.3	8310.0	8503.3	8645.0	8864.0	9031.5	9289.2	9508.2	9714.3	9804.5	9894.7
5°	6854.1	6944.3	7240.7	7472.6	7820.4	8194.1	8657.9	9160.3	9675.7	9907.6	10178.1
7.5°	5127.7	5295.2	5462.7	5797.7	6222.8	6828.4	7421.0	8168.3	8889.8	9237.6	9701.4
10°	3981.1	4109.9	4303.2	4651.0	5050.4	5552.9	6261.5	7150.5	8013.7	8464.6	8941.3
12.5°	3195.2	3375.5	3633.2	3994.0	4457.8	4973.1	5488.5	6313.0	7318.0	7833.3	8374.4
15°	2589.6	2731.4	3014.8	3465.7	4006.8	4535.1	5076.2	5759.0	6854.1	7446.8	8091.0
17.5°	2061.4	2164.5	2422.1	2873.1	3414.2	4006.8	4625.3	5488.5	6699.5	7421.0	8181.2
20°	1674.9	1752.2	1919.7	2254.7	2770.0	3414.2	4187.2	5230.8	6789.7	7717.4	8645.0
22.5°	1468.7	1494.5	1571.8	1752.2	2177.4	2860.2	3787.8	5011.8	6957.2	8155.4	9405.1
25°	1327.0	1352.8	1378.6	1494.5	1739.3	2383.5	3440.0	4882.9	7318.0	8799.6	10281.2
27.5°	1236.8	1262.6	1275.5	1327.0	1494.5	2035.6	3143.6	4805.6	7807.5	9740.1	11363.5
30°	1159.5	1159.5	1198.2	1275.5	1391.4	1790.8	2886.0	4625.3	8322.9	10526.0	12213.8
32.5°	1095.1	1108.0	1159.5	1198.2	1275.5	1584.7	2628.3	4393.4	8786.7	11170.2	13051.2
35°	979.2	979.2	992.0	1056.5	1159.5	1417.2	2396.4	4161.4	9044.4	11801.5	13798.5
37.5°	901.9	914.7	940.5	992.0	1082.2	1301.3	2203.1	3903.8	9314.9	12394.1	14674.6
40°	850.3	863.2	889.0	940.5	1030.7	1198.2	2035.6	3697.6	9598.4	13038.3	15615.1
42.5°	811.7	824.6	850.3	901.9	979.2	1172.4	1855.3	3530.1	9765.9	13631.0	16504.1
45°	773.0	785.9	824.6	876.1	940.5	1146.7	1752.2	3414.2	9830.3	14030.4	17212.7
47.5°	734.4	747.3	785.9	863.2	940.5	1108.0	1713.5	3349.8	9881.8	14481.3	17779.5
50°	695.7	721.5	773.0	850.3	953.4	1056.5	1687.8	3336.9	10178.1	15061.1	18320.7
52.5°	670.0	708.6	760.1	850.3	940.5	979.2	1674.9	3375.5	10770.8	15924.3	19093.7
55°	644.2	682.8	734.4	850.3	901.9	914.7	1610.5	3440.0	11672.7	17122.5	20188.8
57.5°	618.4	644.2	708.6	824.6	850.3	863.2	1481.6	3530.1	12574.5	18294.9	21309.7
60°	579.8	605.5	670.0	824.6	773.0	811.7	1314.1	3555.9	13218.7	18668.5	21412.8
62.5°	541.1	566.9	631.3	850.3	708.6	760.1	1172.4	3465.7	13347.5	18127.4	20833.0
65°	502.5	528.2	579.8	708.6	657.1	708.6	1082.2	3220.9	12922.4	16890.6	19776.5
67.5°	463.8	489.6	528.2	579.8	592.7	644.2	1043.6	2834.4	11853.0	15357.4	18333.5
70°	412.3	438.0	476.7	515.3	528.2	605.5	979.2	2460.8	10126.6	13308.9	16568.5
72.5°	373.6	386.5	425.2	450.9	476.7	554.0	940.5	2151.6	7743.1	10770.8	13515.0
75°	322.1	322.1	360.7	386.5	412.3	489.6	863.2	1790.8	5462.7	8219.8	9933.4
77.5°	270.6	270.6	296.3	322.1	347.9	425.2	734.4	1455.9	3787.8	6519.2	7202.0
80°	206.1	206.1	231.9	257.7	283.4	360.7	592.7	1069.3	2344.8	4767.0	5243.7
82.5°	141.7	141.7	180.4	193.3	206.1	283.4	450.9	734.4	1378.6	3440.0	3749.2
85°	77.3	77.3	103.1	116.0	141.7	206.1	335.0	515.3	824.6	2486.6	2499.4
87.5°	12.9	12.9	38.7	38.7	64.4	103.1	193.3	283.4	463.8	1378.6	876.1
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: P598722
 CATALOG NUMBER: IFLD-M-SA4E-740-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0	9199.0
2.5°	10062.2	10203.9	10216.8	10216.8	10152.4	10165.3	9984.9	9791.6	9727.2	9714.3
5°	10590.4	10964.1	11067.1	11118.7	10951.2	10693.5	10229.7	9727.2	9469.5	9430.9
7.5°	10487.4	11234.6	11634.0	11685.5	11350.6	10745.0	9933.4	9160.3	8864.0	8786.7
10°	9881.8	10886.8	11608.2	11788.6	11427.9	10654.8	9598.4	8696.5	8335.8	8271.4
12.5°	9456.7	10422.9	11131.5	11376.3	11208.8	10538.9	9430.9	8400.2	8039.4	7949.3
15°	9224.8	10113.7	10577.5	10654.8	10642.0	10358.5	9430.9	8464.6	8065.2	7962.1
17.5°	9418.0	10023.5	10088.0	9907.6	10010.7	10152.4	9637.0	8812.5	8426.0	8335.8
20°	9804.5	9984.9	9675.7	9405.1	9456.7	9907.6	9959.1	9469.5	9160.3	9005.7
22.5°	10616.2	10126.6	9418.0	9044.4	9083.0	9714.3	10384.3	10358.5	10088.0	10010.7
25°	11440.8	10526.0	9340.7	8902.7	8954.2	9675.7	10886.8	11350.6	11208.8	11170.2
27.5°	12355.5	11196.0	9392.2	8838.2	8902.7	9727.2	11234.6	12188.0	12213.8	12175.1
30°	12973.9	11518.1	9546.8	8915.5	9005.7	9856.1	11311.9	12690.5	12922.4	12935.3
32.5°	13489.3	11840.1	9868.9	9044.4	9199.0	10088.0	11518.1	13167.2	13682.5	13695.4
35°	13901.5	12200.9	10268.3	9276.3	9508.2	10474.5	11788.6	13618.1	14391.1	14481.3
37.5°	14429.8	12600.3	10732.1	9778.8	10036.4	11028.5	12265.3	14146.3	15228.6	15473.4
40°	14996.7	12999.7	11402.1	10590.4	10964.1	11853.0	12806.4	14739.0	15937.2	16272.2
42.5°	15628.0	13424.8	12162.2	11685.5	12252.4	12896.6	13424.8	15280.1	16478.3	16864.8
45°	16246.4	13940.2	13270.2	13180.1	13811.4	14133.5	14030.4	15666.6	16993.6	17380.2
47.5°	16684.4	14687.5	14610.2	15151.3	15743.9	15576.4	14739.0	15950.1	17418.8	17844.0
50°	17083.8	15615.1	16297.9	17354.4	17715.1	17148.2	15499.1	16336.6	17869.7	18346.4
52.5°	17676.5	16607.1	18037.2	19351.4	19699.2	18797.4	16323.7	16967.9	18565.5	18990.6
55°	18887.6	17728.0	19853.8	21361.2	21425.6	20304.8	17431.7	18037.2	19544.6	20034.2
57.5°	20240.3	19106.6	21296.8	23023.2	22997.5	21812.2	18681.4	19480.2	20871.6	21206.6
60°	21464.3	20498.0	22868.6	24208.5	24144.1	22907.3	20137.3	21116.4	22391.9	22649.6
62.5°	22185.8	21760.6	23564.3	24582.2	24337.4	23268.0	21374.1	22572.3	23474.2	23564.3
65°	22069.8	22482.1	22752.7	23384.0	23036.1	22263.1	21979.6	23499.9	23590.1	23499.9
67.5°	21193.7	22069.8	20523.8	20588.2	20407.8	19750.8	21039.1	23255.1	22636.7	22417.7
70°	19866.7	19931.1	17161.1	16349.5	16632.9	15731.0	18050.1	21348.3	20394.9	20124.4
72.5°	17663.6	16864.8	12973.9	12149.4	12574.5	11930.3	14481.3	18604.1	17676.5	16800.4
75°	14816.3	13360.4	9881.8	8709.4	8928.4	8902.7	11221.7	15370.3	13695.4	12819.3
77.5°	11479.4	10410.1	7292.2	6841.3	6609.4	6660.9	7833.3	11427.9	9933.4	8838.2
80°	8387.3	7279.3	5643.1	5900.7	5771.9	5462.7	5488.5	7652.9	6905.7	6248.6
82.5°	5797.7	5179.3	4573.7	5166.4	4857.2	4380.5	4277.4	5514.2	5179.3	4779.9
85°	3890.9	4264.5	3633.2	3955.3	3427.1	3156.5	4019.7	4612.4	3723.4	3324.0
87.5°	2538.1	3903.8	2615.4	1984.1	1133.8	1520.3	2460.8	3027.7	1739.3	940.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)