

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: P599009

Luminaire Tested: **IFLD-M-SA4B-750-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599009
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4B-750-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (64) 5000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

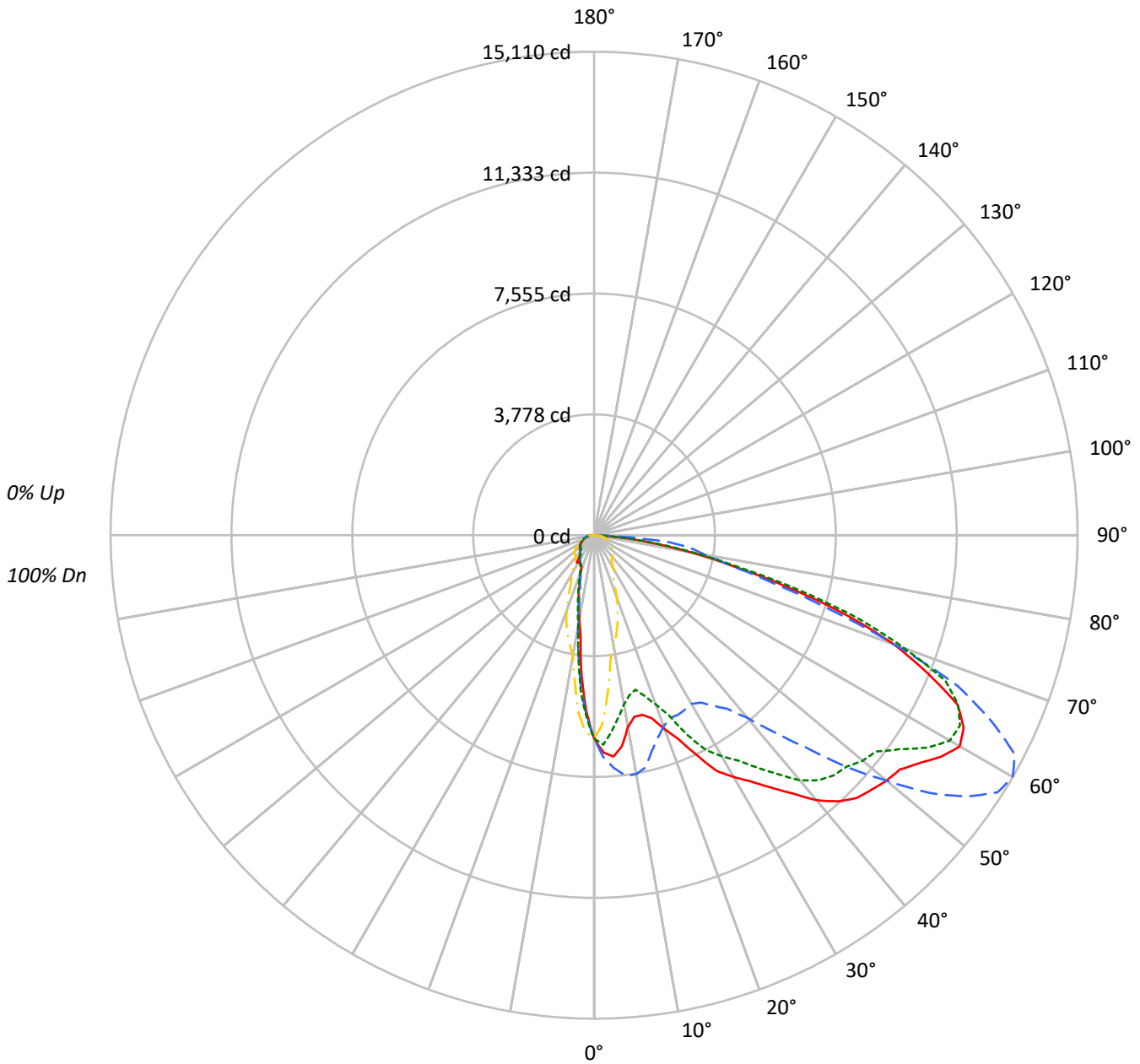
Lumens per Lamp: N/A
 Luminaire Lumens: 19872.2 lumens
 Efficiency: N/A
 Efficacy: 119.6 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 166.1
 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77	77	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60	60	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47	47	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31	31	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26	26	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22	22	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19	19	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17	17	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15	15	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	68320	68320	68320	68320
5°	75057	66676	47816	52197
10°	66483	58679	29002	31122
15°	64737	55699	20531	21317
20°	73814	64424	13430	14844
25°	89935	81664	11726	12145
30°	108362	99049	12162	11286
35°	126378	116300	10077	9499
40°	151861	140465	9414	8918
45°	176730	161433	9528	8856
50°	199729	183491	9743	9153
55°	232927	218701	10091	9595
60°	284094	276314	10058	10058
65°	319274	319722	10328	10776
70°	313778	324875	10820	11097
75°	258835	276065	11366	12098
80°	186884	196170	12571	13116
85°	103433	111053	14153	17414

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.1	2.5
10°-20°	1041.1	5.2
20°-30°	1523.2	7.7
30°-40°	2146.1	10.8
40°-50°	2949.4	14.8
50°-60°	4019.6	20.2
60°-70°	4399.3	22.1
70°-80°	2539.9	12.8
80°-90°	760.6	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°	3057.3	15.4
0°-40°	5203.4	26.2
0°-60°	12172.4	61.3
0°-90°	19872.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19872.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6347	6347	6347	6347	6347	
5°	6946	6171	4425	4831	6946	631
15°	5809	4998	1842	1913	5809	1697
25°	7572	6876	987	1023	7572	3546
35°	9618	8851	767	723	9618	6098
45°	11610	10605	626	582	11610	8923
55°	12412	11654	538	511	12412	11199
65°	12536	12553	406	423	12536	11998
75°	6224	6638	273	291	6224	6685
85°	838	899	115	141	838	1162
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°	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1
2.5°	6796.7	6770.2	6796.7	6893.6	6920.1	6964.1	6964.1	6902.4	6787.8	6734.9	6646.8
5°	6946.5	6902.4	7122.8	7325.6	7484.3	7466.6	7316.8	7193.3	6964.1	6620.3	6294.2
7.5°	6646.8	6690.9	6849.5	7378.5	7748.7	7819.2	7581.2	7334.4	6840.7	6364.7	5923.9
10°	6082.6	6144.3	6488.1	7034.7	7616.5	7731.1	7581.2	7281.5	6690.9	6100.2	5588.9
12.5°	5809.3	5950.4	6153.1	6814.3	7228.6	7501.9	7431.4	7237.4	6576.3	5879.9	5386.2
15°	5809.3	5844.6	6144.3	6699.7	6937.7	6946.5	6973.0	7008.2	6611.5	5976.8	5315.7
17.5°	5994.5	6091.4	6347.1	6690.9	6734.9	6629.2	6629.2	6779.0	6682.1	6250.1	5571.3
20°	6444.0	6408.8	6743.8	6884.8	6646.8	6382.3	6355.9	6611.5	6761.4	6541.0	6038.5
22.5°	6893.6	7052.3	7325.6	7008.2	6567.5	6214.8	6179.6	6496.9	6999.4	7043.5	6576.3
25°	7572.4	7731.1	7872.1	7484.3	6558.6	6170.8	6197.2	6444.0	7290.3	7757.5	7475.4
27.5°	8304.1	8401.1	8603.8	8004.4	6770.2	6117.9	6144.3	6514.6	7563.6	8224.7	8180.7
30°	8718.4	8824.2	8780.1	8101.3	6911.3	6153.1	6082.6	6611.5	7413.7	8224.7	8639.1
32.5°	9123.9	9062.2	9035.8	8260.0	7087.6	6373.5	6197.2	6814.3	7501.9	8357.0	9229.7
35°	9617.6	9529.4	9458.9	8568.5	7378.5	6585.1	6505.7	7078.7	7695.8	8630.3	9705.7
37.5°	10164.1	10164.1	9820.3	8797.7	7722.3	6928.9	6840.7	7457.8	8004.4	8797.7	10358.1
40°	10807.6	10834.1	10225.8	9106.3	8110.1	7475.4	7449.0	7951.5	8304.1	9044.6	10984.0
42.5°	11283.7	11301.3	10578.4	9220.9	8559.7	8233.6	8348.2	8744.9	8647.9	9265.0	11028.0
45°	11609.8	11521.7	10825.3	9547.0	9053.4	9370.7	9406.0	9520.6	9097.5	9397.2	11204.3
47.5°	11768.5	11750.9	10931.1	9926.1	10093.6	10525.6	10728.3	10569.6	9511.8	9256.1	11204.3
50°	11927.2	11777.3	11028.0	10446.2	11107.4	11980.1	11936.0	11645.1	10084.8	9432.4	11036.8
52.5°	12033.0	11900.8	11222.0	10913.4	12077.1	13064.4	13240.7	12703.0	10754.8	9758.6	11116.2
55°	12412.0	12306.3	11803.8	11548.1	13196.6	14210.4	14236.8	13487.5	11460.0	10296.4	11636.3
57.5°	12870.4	12932.2	12606.0	12447.3	14051.7	15047.8	14950.9	14069.3	12059.4	10948.7	12235.7
60°	13196.6	13293.6	13214.2	13231.9	14474.8	15329.9	15109.6	14430.8	12500.2	11442.4	12967.4
62.5°	13020.3	13214.2	13540.4	13469.9	14492.5	15127.2	14818.6	13954.7	12553.1	12085.9	13522.8
65°	12535.5	12553.1	13187.8	13575.7	13699.1	14078.2	13672.6	12958.6	12006.5	12482.6	13443.4
67.5°	11292.5	11433.5	12006.5	12764.7	12244.6	12332.7	12297.4	11266.0	11177.9	12209.3	12835.2
70°	9970.2	10067.2	10693.0	11583.4	10340.4	9926.1	10005.4	9238.5	9599.9	11363.0	11609.8
72.5°	8242.4	8304.1	9018.1	9802.7	8295.3	7554.8	7739.9	7114.0	7625.3	9943.7	9793.9
75°	6223.7	6338.3	6893.6	7819.2	6109.1	5633.0	5818.1	5562.5	6038.5	8189.5	7598.9
77.5°	4425.3	4337.2	5024.8	6117.9	4592.8	4310.7	4328.3	4372.4	4883.7	6902.4	5456.7
80°	3014.9	3041.3	3658.4	4487.0	3605.5	3561.4	3517.3	3869.9	4099.1	5465.5	3966.9
82.5°	1789.5	1789.5	2468.3	3191.2	2847.4	3208.8	3006.0	3323.4	3208.8	4019.8	2600.5
85°	837.5	837.5	1269.4	2300.8	2203.8	2644.6	2247.9	2512.4	2371.3	2803.3	1172.4
87.5°	141.0	123.4	255.6	1128.4	908.0	1031.4	405.5	1339.9	1489.8	1957.0	290.9
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°	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1
2.5°	6549.8	6488.1	6364.7	6206.0	6073.8	5906.3	5853.4	5738.8	5580.1	5562.5	5492.0
5°	6170.8	5959.2	5694.7	5368.6	5148.2	4919.0	4725.0	4610.4	4478.2	4460.6	4425.3
7.5°	5756.4	5492.0	5051.2	4663.3	4284.3	3922.8	3746.5	3526.1	3376.3	3261.7	3208.8
10°	5368.6	5121.7	4575.2	4046.3	3711.3	3473.3	3261.7	3032.5	2847.4	2706.3	2653.4
12.5°	5112.9	4822.0	4231.4	3728.9	3482.1	3208.8	2970.8	2724.0	2485.9	2300.8	2203.8
15°	4998.3	4725.0	4125.6	3570.2	3208.8	2829.7	2556.5	2309.6	2018.7	1886.5	1842.4
17.5°	5271.6	4866.1	4090.3	3385.1	2873.8	2441.9	2106.9	1842.4	1630.8	1498.6	1445.7
20°	5624.2	5121.7	4152.0	3164.7	2556.5	2071.6	1701.4	1419.3	1278.2	1181.3	1172.4
22.5°	6073.8	5500.8	4249.0	3006.0	2203.8	1666.1	1331.1	1163.6	1066.7	1057.8	1040.2
25°	6876.0	6188.4	4407.7	2794.5	1921.8	1375.2	1137.2	1040.2	996.1	969.7	987.3
27.5°	7563.6	6638.0	4522.3	2662.2	1807.2	1295.9	1101.9	996.1	952.1	943.2	952.1
30°	7969.1	7052.3	4487.0	2415.4	1578.0	1234.2	1172.4	1137.2	1049.0	978.5	978.5
32.5°	8339.3	7316.8	4478.2	2195.0	1348.8	1031.4	978.5	952.1	1005.0	1040.2	1013.8
35°	8850.6	7731.1	4451.8	2071.6	1251.8	952.1	863.9	793.4	758.1	740.5	766.9
37.5°	9397.2	8013.2	4381.2	2054.0	1198.9	908.0	837.5	766.9	731.7	714.0	705.2
40°	9996.6	8312.9	4301.9	1965.8	1172.4	881.5	811.0	749.3	705.2	678.8	670.0
42.5°	10384.5	8550.9	4222.6	1921.8	1119.6	863.9	784.6	731.7	687.6	652.3	652.3
45°	10604.9	8833.0	4143.2	1877.7	1057.8	872.7	784.6	714.0	661.2	643.5	625.9
47.5°	10701.9	9044.6	4116.8	1807.2	1005.0	837.5	766.9	696.4	643.5	608.3	599.4
50°	10957.5	9494.2	4213.7	1754.3	943.2	802.2	811.0	687.6	634.7	590.6	581.8
52.5°	11107.4	9855.6	4425.3	1674.9	899.2	758.1	793.4	670.0	608.3	564.2	564.2
55°	11653.9	10455.0	4654.5	1613.2	846.3	696.4	731.7	634.7	564.2	537.7	537.7
57.5°	12350.3	11089.7	4848.5	1586.8	811.0	652.3	652.3	617.1	537.7	502.5	493.7
60°	12835.2	11609.8	4963.1	1569.1	775.8	608.3	581.8	617.1	511.3	476.0	467.2
62.5°	12888.1	11310.1	4848.5	1560.3	766.9	564.2	528.9	590.6	484.8	449.6	432.0
65°	12553.1	10701.9	4531.1	1525.1	758.1	520.1	493.7	511.3	449.6	423.1	405.5
67.5°	11883.1	9714.5	4072.7	1507.4	749.3	484.8	449.6	440.8	414.3	387.9	370.2
70°	10322.8	8427.5	3535.0	1428.1	731.7	458.4	405.5	396.7	370.2	352.6	343.8
72.5°	8665.5	6893.6	2917.9	1322.3	696.4	414.3	370.2	352.6	343.8	317.4	308.5
75°	6638.0	5306.9	2336.1	1172.4	608.3	370.2	326.2	308.5	299.7	282.1	273.3
77.5°	4663.3	3949.3	1727.8	952.1	511.3	335.0	290.9	273.3	264.5	238.0	238.0
80°	3164.7	2768.0	1172.4	661.2	396.7	273.3	255.6	238.0	220.4	202.8	202.8
82.5°	1965.8	1939.4	846.3	432.0	290.9	220.4	202.8	202.8	176.3	158.7	158.7
85°	899.2	1190.1	590.6	299.7	220.4	167.5	167.5	158.7	141.0	114.6	114.6
87.5°	282.1	396.7	308.5	132.2	123.4	97.0	97.0	88.2	88.2	70.5	70.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1
2.5°	5562.5	5553.7	5553.7	5518.4	5606.6	5606.6	5659.5	5615.4	5641.8	5650.7	5721.2
5°	4416.5	4487.0	4539.9	4645.7	4707.4	4733.9	4733.9	4804.4	4777.9	4830.8	4936.6
7.5°	3235.2	3323.4	3482.1	3614.3	3720.1	3755.3	3746.5	3764.2	3790.6	3728.9	3746.5
10°	2618.2	2556.5	2609.4	2732.8	2829.7	2944.3	2856.2	2847.4	2873.8	2847.4	2900.3
12.5°	2186.2	2115.7	2071.6	2071.6	2142.1	2195.0	2168.6	2212.7	2309.6	2336.1	2397.8
15°	1771.9	1710.2	1674.9	1630.8	1701.4	1719.0	1745.4	1807.2	1877.7	1912.9	1983.5
17.5°	1419.3	1419.3	1419.3	1384.0	1410.5	1436.9	1445.7	1525.1	1533.9	1569.1	1595.6
20°	1163.6	1190.1	1234.2	1251.8	1278.2	1278.2	1260.6	1304.7	1269.4	1295.9	1313.5
22.5°	1049.0	1084.3	1101.9	1110.7	1146.0	1154.8	1110.7	1119.6	1128.4	1101.9	1110.7
25°	987.3	1005.0	987.3	996.1	1005.0	987.3	996.1	1013.8	1005.0	1022.6	1013.8
27.5°	960.9	943.2	934.4	925.6	925.6	908.0	916.8	916.8	934.4	943.2	943.2
30°	960.9	934.4	899.2	872.7	872.7	846.3	863.9	881.5	890.4	908.0	908.0
32.5°	987.3	934.4	872.7	846.3	819.8	802.2	819.8	846.3	881.5	890.4	899.2
35°	784.6	811.0	802.2	766.9	758.1	758.1	749.3	749.3	722.9	722.9	714.0
37.5°	705.2	696.4	714.0	722.9	731.7	705.2	705.2	670.0	661.2	670.0	670.0
40°	661.2	661.2	661.2	687.6	696.4	678.8	652.3	634.7	634.7	634.7	643.5
42.5°	643.5	625.9	617.1	634.7	661.2	643.5	617.1	608.3	608.3	617.1	617.1
45°	617.1	608.3	599.4	590.6	625.9	599.4	590.6	581.8	581.8	581.8	590.6
47.5°	590.6	581.8	564.2	564.2	573.0	564.2	555.4	555.4	555.4	573.0	573.0
50°	573.0	564.2	546.6	546.6	546.6	546.6	537.7	537.7	537.7	546.6	555.4
52.5°	546.6	537.7	528.9	520.1	520.1	520.1	520.1	520.1	520.1	528.9	537.7
55°	520.1	511.3	502.5	502.5	511.3	511.3	502.5	511.3	502.5	511.3	520.1
57.5°	493.7	484.8	476.0	484.8	493.7	484.8	484.8	484.8	484.8	484.8	493.7
60°	458.4	458.4	458.4	458.4	476.0	476.0	476.0	476.0	458.4	467.2	476.0
62.5°	440.8	432.0	432.0	440.8	449.6	449.6	458.4	449.6	440.8	449.6	449.6
65°	405.5	405.5	405.5	414.3	414.3	423.1	423.1	423.1	414.3	423.1	423.1
67.5°	379.1	379.1	379.1	379.1	396.7	396.7	396.7	396.7	387.9	387.9	396.7
70°	335.0	343.8	335.0	352.6	370.2	361.4	370.2	370.2	361.4	352.6	370.2
72.5°	308.5	308.5	308.5	308.5	335.0	335.0	335.0	343.8	335.0	326.2	335.0
75°	273.3	273.3	273.3	282.1	299.7	299.7	299.7	299.7	299.7	290.9	290.9
77.5°	238.0	246.8	238.0	246.8	264.5	255.6	264.5	273.3	264.5	255.6	255.6
80°	202.8	202.8	202.8	211.6	220.4	220.4	220.4	229.2	220.4	211.6	211.6
82.5°	158.7	158.7	167.5	167.5	176.3	176.3	176.3	185.1	176.3	167.5	167.5
85°	123.4	123.4	123.4	132.2	132.2	141.0	141.0	149.9	149.9	141.0	141.0
87.5°	79.3	70.5	79.3	79.3	88.2	88.2	79.3	70.5	79.3	70.5	61.7
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: P599009
 CATALOG NUMBER: IFLD-M-SA4B-750-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1
2.5°	5791.7	5950.4	6065.0	6144.3	6258.9	6479.3	6567.5	6726.1	6770.2	6796.7
5°	4980.7	5148.2	5395.0	5571.3	5774.1	6188.4	6505.7	6743.8	6849.5	6946.5
7.5°	3905.2	4125.6	4381.2	4610.4	4945.4	5456.7	5871.0	6364.7	6549.8	6646.8
10°	3050.1	3252.9	3535.0	3817.1	4284.3	4716.2	5306.9	5756.4	6012.1	6082.6
12.5°	2574.1	2812.1	3147.1	3490.9	3781.8	4275.5	4874.9	5527.2	5765.3	5809.3
15°	2186.2	2512.4	2856.2	3208.8	3543.8	3975.7	4619.3	5412.6	5765.3	5809.3
17.5°	1807.2	2098.1	2503.6	2882.6	3270.5	3861.1	4663.3	5509.6	5862.2	5994.5
20°	1436.9	1719.0	2036.4	2512.4	3041.3	3667.2	4760.3	5835.8	6303.0	6444.0
22.5°	1190.1	1313.5	1622.0	2080.4	2706.3	3535.0	4857.3	6347.1	6840.7	6893.6
25°	1040.2	1128.4	1322.3	1754.3	2441.9	3446.8	5086.5	6937.7	7572.4	7572.4
27.5°	969.7	1005.0	1137.2	1525.1	2256.7	3367.5	5315.7	7590.0	8180.7	8304.1
30°	952.1	1040.2	1110.7	1357.6	2054.0	3147.1	5527.2	8101.3	8709.6	8718.4
32.5°	934.4	916.8	969.7	1181.3	1807.2	2917.9	5703.5	8621.4	9097.5	9123.9
35°	731.7	766.9	855.1	1040.2	1622.0	2750.4	5791.7	8903.5	9591.1	9617.6
37.5°	687.6	731.7	802.2	960.9	1498.6	2609.4	5818.1	9450.1	10111.2	10164.1
40°	670.0	705.2	758.1	890.4	1401.6	2433.0	5871.0	10014.3	10878.2	10807.6
42.5°	634.7	678.8	731.7	855.1	1322.3	2300.8	5879.9	10322.8	11283.7	11283.7
45°	625.9	652.3	714.0	855.1	1234.2	2186.2	5738.8	10631.3	11750.9	11609.8
47.5°	590.6	643.5	696.4	828.6	1128.4	2071.6	5571.3	10790.0	11812.6	11768.5
50°	581.8	634.7	722.9	784.6	1066.7	2018.7	5536.1	11186.7	11936.0	11927.2
52.5°	564.2	617.1	749.3	749.3	987.3	1948.2	5703.5	11363.0	11962.5	12033.0
55°	537.7	617.1	696.4	687.6	916.8	1860.0	5888.7	11821.4	12429.7	12412.0
57.5°	520.1	599.4	661.2	625.9	837.5	1798.3	6161.9	12262.2	12993.9	12870.4
60°	493.7	599.4	590.6	581.8	775.8	1745.4	6391.1	12350.3	13117.3	13196.6
62.5°	476.0	625.9	520.1	537.7	722.9	1719.0	6294.2	11689.2	12949.8	13020.3
65°	458.4	537.7	476.0	493.7	705.2	1666.1	5915.1	10895.8	12226.9	12535.5
67.5°	423.1	440.8	440.8	458.4	687.6	1542.7	5139.4	9467.7	11125.0	11292.5
70°	387.9	396.7	396.7	423.1	670.0	1401.6	4240.2	8189.5	9652.8	9970.2
72.5°	352.6	352.6	352.6	387.9	617.1	1287.0	3490.9	6294.2	8022.0	8242.4
75°	308.5	308.5	308.5	343.8	555.4	1172.4	2750.4	4681.0	5906.3	6223.7
77.5°	273.3	273.3	264.5	308.5	484.8	952.1	1983.5	3305.8	4160.9	4425.3
80°	229.2	220.4	220.4	246.8	379.1	687.6	1278.2	2336.1	2900.3	3014.9
82.5°	185.1	176.3	167.5	185.1	273.3	432.0	793.4	1630.8	1860.0	1789.5
85°	176.3	185.1	149.9	141.0	193.9	282.1	502.5	1005.0	837.5	837.5
87.5°	70.5	61.7	61.7	52.9	97.0	105.8	220.4	185.1	141.0	141.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)