

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: P598951

Luminaire Tested: **IFLD-M-SA4B-735-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598951
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-M-SA4B-735-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (64) 3500K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

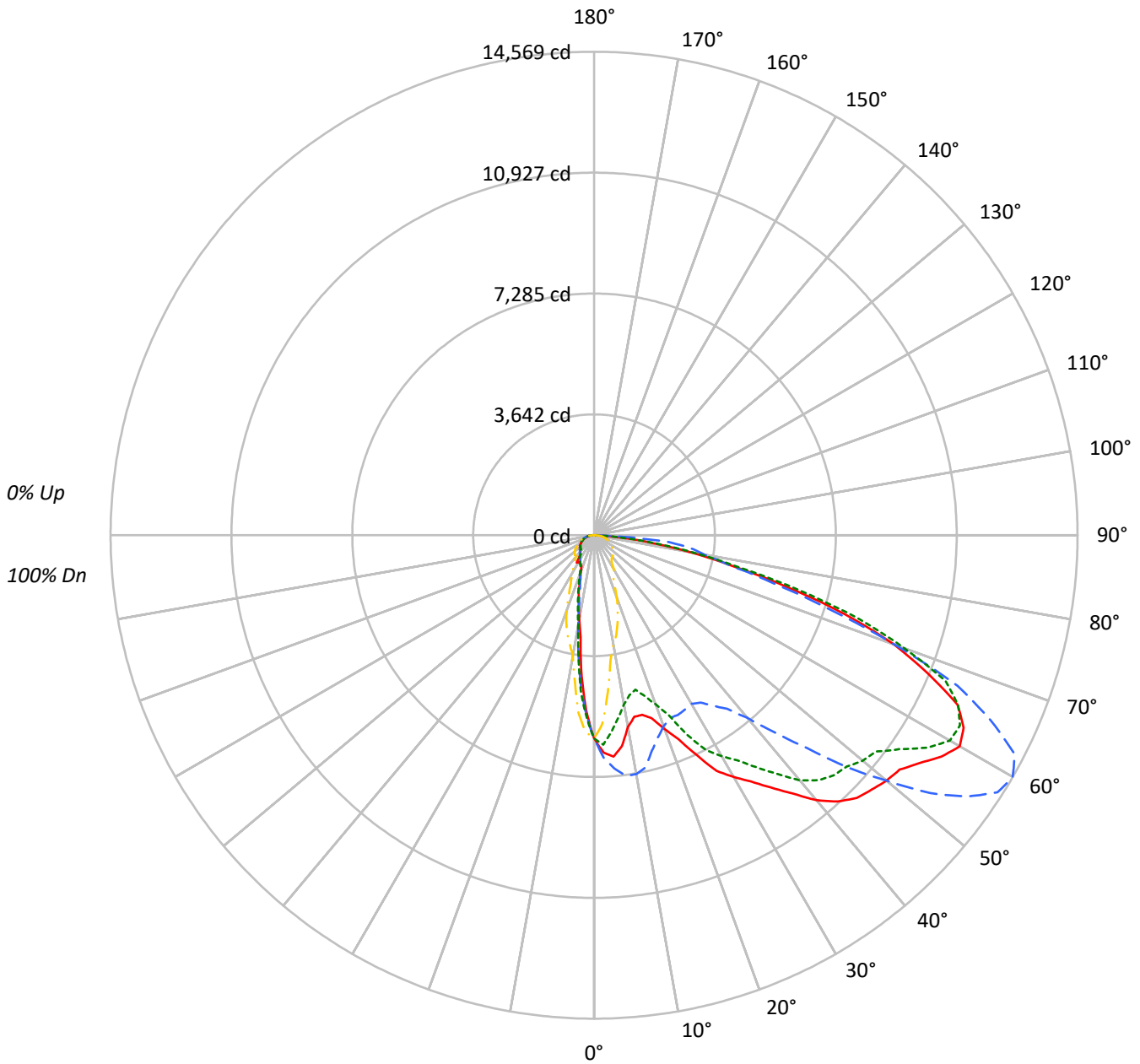
Lumens per Lamp: N/A
 Luminaire Lumens: 19161.2 lumens
 Efficiency: N/A
 Efficacy: 115.4 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
 CIE Type: Direct

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

TEST NUMBER: P598951
CATALOG NUMBER: IFLD-M-SA4B-735-U-SLL

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270° - · 135°-315°

TEST NUMBER: P598951
 CATALOG NUMBER: IFLD-M-SA4B-735-U-SLL

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°	65875	65875	65875	65875
5°	72372	64290	46105	50330
10°	64104	56579	27964	30008
15°	62421	53707	19797	20554
20°	71174	62119	12950	14313
25°	86717	78742	11307	11710
30°	104485	95505	11727	10882
35°	121857	112139	9717	9159
40°	146427	135439	9077	8599
45°	170406	155656	9187	8540
50°	192582	176925	9394	8825
55°	224593	210875	9730	9252
60°	273929	266426	9698	9698
65°	307848	308281	9959	10392
70°	302549	313249	10433	10700
75°	249573	266188	10959	11666
80°	180196	189153	12118	12645
85°	99728	107076	13647	16796

TEST NUMBER: P598951
 CATALOG NUMBER: IFLD-M-SA4B-735-U-SLL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.5	2.5
10°-20°	1003.8	5.2
20°-30°	1468.7	7.7
30°-40°	2069.3	10.8
40°-50°	2843.8	14.8
50°-60°	3875.8	20.2
60°-70°	4241.9	22.1
70°-80°	2449.0	12.8
80°-90°	733.4	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°	2948.0	15.4
0°-40°	5017.3	26.2
0°-60°	11736.9	61.3
0°-90°	19161.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19161.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6120	6120	6120	6120	6120	
5°	6698	5950	4267	4658	6698	608
15°	5602	4820	1776	1844	5602	1637
25°	7302	6630	952	986	7302	3419
35°	9274	8534	740	697	9274	5880
45°	11194	10225	604	561	11194	8604
55°	11968	11237	518	493	11968	10799
65°	12087	12104	391	408	12087	11568
75°	6001	6400	264	280	6001	6446
85°	808	867	110	136	808	1120
90°	0	0	0	0	0	

TEST NUMBER: P598951
 CATALOG NUMBER: IFLD-M-SA4B-735-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0
2.5°	6553.5	6528.0	6553.5	6647.0	6672.5	6715.0	6715.0	6655.5	6545.0	6494.0	6409.0
5°	6698.0	6655.5	6868.0	7063.5	7216.5	7199.5	7055.0	6936.0	6715.0	6383.5	6069.0
7.5°	6409.0	6451.5	6604.5	7114.5	7471.5	7539.5	7310.0	7072.0	6596.0	6137.0	5712.0
10°	5865.0	5924.5	6256.0	6783.0	7344.0	7454.5	7310.0	7021.0	6451.5	5882.0	5389.0
12.5°	5601.5	5737.5	5933.0	6570.5	6970.0	7233.5	7165.5	6978.5	6341.0	5669.5	5193.5
15°	5601.5	5635.5	5924.5	6460.0	6689.5	6698.0	6723.5	6757.5	6375.0	5763.0	5125.5
17.5°	5780.0	5873.5	6120.0	6451.5	6494.0	6392.0	6392.0	6536.5	6443.0	6026.5	5372.0
20°	6213.5	6179.5	6502.5	6638.5	6409.0	6154.0	6128.5	6375.0	6519.5	6307.0	5822.5
22.5°	6647.0	6800.0	7063.5	6757.5	6332.5	5992.5	5958.5	6264.5	6749.0	6791.5	6341.0
25°	7301.5	7454.5	7590.5	7216.5	6324.0	5950.0	5975.5	6213.5	7029.5	7480.0	7208.0
27.5°	8007.0	8100.5	8296.0	7718.0	6528.0	5899.0	5924.5	6281.5	7293.0	7930.5	7888.0
30°	8406.5	8508.5	8466.0	7811.5	6664.0	5933.0	5865.0	6375.0	7148.5	7930.5	8330.0
32.5°	8797.5	8738.0	8712.5	7964.5	6834.0	6145.5	5975.5	6570.5	7233.5	8058.0	8899.5
35°	9273.5	9188.5	9120.5	8262.0	7114.5	6349.5	6273.0	6825.5	7420.5	8321.5	9358.4
37.5°	9800.4	9800.4	9468.9	8483.0	7446.0	6681.0	6596.0	7191.0	7718.0	8483.0	9987.4
40°	10420.9	10446.4	9859.9	8780.5	7820.0	7208.0	7182.5	7667.0	8007.0	8721.0	10590.9
42.5°	10879.9	10896.9	10199.9	8891.0	8253.5	7939.0	8049.5	8432.0	8338.5	8933.5	10633.4
45°	11194.4	11109.4	10437.9	9205.5	8729.5	9035.5	9069.5	9180.0	8772.0	9061.0	10803.4
47.5°	11347.4	11330.4	10539.9	9570.9	9732.4	10148.9	10344.4	10191.4	9171.5	8925.0	10803.4
50°	11500.4	11355.9	10633.4	10072.4	10709.9	11551.4	11508.9	11228.4	9723.9	9095.0	10641.9
52.5°	11602.4	11474.9	10820.4	10522.9	11644.9	12596.9	12766.9	12248.4	10369.9	9409.4	10718.4
55°	11967.9	11865.9	11381.4	11134.9	12724.4	13701.9	13727.4	13004.9	11049.9	9927.9	11219.9
57.5°	12409.9	12469.4	12154.9	12001.9	13548.9	14509.4	14415.9	13565.9	11627.9	10556.9	11797.9
60°	12724.4	12817.9	12741.4	12758.4	13956.9	14781.4	14568.9	13914.4	12052.9	11032.9	12503.4
62.5°	12554.4	12741.4	13055.9	12987.9	13973.9	14585.9	14288.4	13455.4	12103.9	11653.4	13038.9
65°	12086.9	12103.9	12715.9	13089.9	13208.9	13574.4	13183.4	12494.9	11576.9	12035.9	12962.4
67.5°	10888.4	11024.4	11576.9	12307.9	11806.4	11891.4	11857.4	10862.9	10777.9	11772.4	12375.9
70°	9613.4	9706.9	10310.4	11168.9	9970.4	9570.9	9647.4	8908.0	9256.5	10956.4	11194.4
72.5°	7947.5	8007.0	8695.5	9451.9	7998.5	7284.5	7463.0	6859.5	7352.5	9587.9	9443.4
75°	6001.0	6111.5	6647.0	7539.5	5890.5	5431.5	5610.0	5363.5	5822.5	7896.5	7327.0
77.5°	4267.0	4182.0	4845.0	5899.0	4428.5	4156.5	4173.5	4216.0	4709.0	6655.5	5261.5
80°	2907.0	2932.5	3527.5	4326.5	3476.5	3434.0	3391.5	3731.5	3952.5	5270.0	3825.0
82.5°	1725.5	1725.5	2380.0	3077.0	2745.5	3094.0	2898.5	3204.5	3094.0	3876.0	2507.5
85°	807.5	807.5	1224.0	2218.5	2125.0	2550.0	2167.5	2422.5	2286.5	2703.0	1130.5
87.5°	136.0	119.0	246.5	1088.0	875.5	994.5	391.0	1292.0	1436.5	1887.0	280.5
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: P598951
 CATALOG NUMBER: IFLD-M-SA4B-735-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0
2.5°	6315.5	6256.0	6137.0	5984.0	5856.5	5695.0	5644.0	5533.5	5380.5	5363.5	5295.5
5°	5950.0	5746.0	5491.0	5176.5	4964.0	4743.0	4556.0	4445.5	4318.0	4301.0	4267.0
7.5°	5550.5	5295.5	4870.5	4496.5	4131.0	3782.5	3612.5	3400.0	3255.5	3145.0	3094.0
10°	5176.5	4938.5	4411.5	3901.5	3578.5	3349.0	3145.0	2924.0	2745.5	2609.5	2558.5
12.5°	4930.0	4649.5	4080.0	3595.5	3357.5	3094.0	2864.5	2626.5	2397.0	2218.5	2125.0
15°	4819.5	4556.0	3978.0	3442.5	3094.0	2728.5	2465.0	2227.0	1946.5	1819.0	1776.5
17.5°	5083.0	4692.0	3944.0	3264.0	2771.0	2354.5	2031.5	1776.5	1572.5	1445.0	1394.0
20°	5423.0	4938.5	4003.5	3051.5	2465.0	1997.5	1640.5	1368.5	1232.5	1139.0	1130.5
22.5°	5856.5	5304.0	4097.0	2898.5	2125.0	1606.5	1283.5	1122.0	1028.5	1020.0	1003.0
25°	6630.0	5967.0	4250.0	2694.5	1853.0	1326.0	1096.5	1003.0	960.5	935.0	952.0
27.5°	7293.0	6400.5	4360.5	2567.0	1742.5	1249.5	1062.5	960.5	918.0	909.5	918.0
30°	7684.0	6800.0	4326.5	2329.0	1521.5	1190.0	1130.5	1096.5	1011.5	943.5	943.5
32.5°	8041.0	7055.0	4318.0	2116.5	1300.5	994.5	943.5	918.0	969.0	1003.0	977.5
35°	8534.0	7454.5	4292.5	1997.5	1207.0	918.0	833.0	765.0	731.0	714.0	739.5
37.5°	9061.0	7726.5	4224.5	1980.5	1156.0	875.5	807.5	739.5	705.5	688.5	680.0
40°	9638.9	8015.5	4148.0	1895.5	1130.5	850.0	782.0	722.5	680.0	654.5	646.0
42.5°	10012.9	8245.0	4071.5	1853.0	1079.5	833.0	756.5	705.5	663.0	629.0	629.0
45°	10225.4	8517.0	3995.0	1810.5	1020.0	841.5	756.5	688.5	637.5	620.5	603.5
47.5°	10318.9	8721.0	3969.5	1742.5	969.0	807.5	739.5	671.5	620.5	586.5	578.0
50°	10565.4	9154.5	4063.0	1691.5	909.5	773.5	782.0	663.0	612.0	569.5	561.0
52.5°	10709.9	9502.9	4267.0	1615.0	867.0	731.0	765.0	646.0	586.5	544.0	544.0
55°	11236.9	10080.9	4488.0	1555.5	816.0	671.5	705.5	612.0	544.0	518.5	518.5
57.5°	11908.4	10692.9	4675.0	1530.0	782.0	629.0	629.0	595.0	518.5	484.5	476.0
60°	12375.9	11194.4	4785.5	1513.0	748.0	586.5	561.0	595.0	493.0	459.0	450.5
62.5°	12426.9	10905.4	4675.0	1504.5	739.5	544.0	510.0	569.5	467.5	433.5	416.5
65°	12103.9	10318.9	4369.0	1470.5	731.0	501.5	476.0	493.0	433.5	408.0	391.0
67.5°	11457.9	9366.9	3927.0	1453.5	722.5	467.5	433.5	425.0	399.5	374.0	357.0
70°	9953.4	8126.0	3408.5	1377.0	705.5	442.0	391.0	382.5	357.0	340.0	331.5
72.5°	8355.5	6647.0	2813.5	1275.0	671.5	399.5	357.0	340.0	331.5	306.0	297.5
75°	6400.5	5117.0	2252.5	1130.5	586.5	357.0	314.5	297.5	289.0	272.0	263.5
77.5°	4496.5	3808.0	1666.0	918.0	493.0	323.0	280.5	263.5	255.0	229.5	229.5
80°	3051.5	2669.0	1130.5	637.5	382.5	263.5	246.5	229.5	212.5	195.5	195.5
82.5°	1895.5	1870.0	816.0	416.5	280.5	212.5	195.5	195.5	170.0	153.0	153.0
85°	867.0	1147.5	569.5	289.0	212.5	161.5	161.5	153.0	136.0	110.5	110.5
87.5°	272.0	382.5	297.5	127.5	119.0	93.5	93.5	85.0	85.0	68.0	68.0
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: P598951
 CATALOG NUMBER: IFLD-M-SA4B-735-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0
2.5°	5363.5	5355.0	5355.0	5321.0	5406.0	5406.0	5457.0	5414.5	5440.0	5448.5	5516.5
5°	4258.5	4326.5	4377.5	4479.5	4539.0	4564.5	4564.5	4632.5	4607.0	4658.0	4760.0
7.5°	3119.5	3204.5	3357.5	3485.0	3587.0	3621.0	3612.5	3629.5	3655.0	3595.5	3612.5
10°	2524.5	2465.0	2516.0	2635.0	2728.5	2839.0	2754.0	2745.5	2771.0	2745.5	2796.5
12.5°	2108.0	2040.0	1997.5	1997.5	2065.5	2116.5	2091.0	2133.5	2227.0	2252.5	2312.0
15°	1708.5	1649.0	1615.0	1572.5	1640.5	1657.5	1683.0	1742.5	1810.5	1844.5	1912.5
17.5°	1368.5	1368.5	1368.5	1334.5	1360.0	1385.5	1394.0	1470.5	1479.0	1513.0	1538.5
20°	1122.0	1147.5	1190.0	1207.0	1232.5	1232.5	1215.5	1258.0	1224.0	1249.5	1266.5
22.5°	1011.5	1045.5	1062.5	1071.0	1105.0	1113.5	1071.0	1079.5	1088.0	1062.5	1071.0
25°	952.0	969.0	952.0	960.5	969.0	952.0	960.5	977.5	969.0	986.0	977.5
27.5°	926.5	909.5	901.0	892.5	892.5	875.5	884.0	884.0	901.0	909.5	909.5
30°	926.5	901.0	867.0	841.5	841.5	816.0	833.0	850.0	858.5	875.5	875.5
32.5°	952.0	901.0	841.5	816.0	790.5	773.5	790.5	816.0	850.0	858.5	867.0
35°	756.5	782.0	773.5	739.5	731.0	731.0	722.5	722.5	697.0	697.0	688.5
37.5°	680.0	671.5	688.5	697.0	705.5	680.0	680.0	646.0	637.5	646.0	646.0
40°	637.5	637.5	637.5	663.0	671.5	654.5	629.0	612.0	612.0	612.0	620.5
42.5°	620.5	603.5	595.0	612.0	637.5	620.5	595.0	586.5	586.5	595.0	595.0
45°	595.0	586.5	578.0	569.5	603.5	578.0	569.5	561.0	561.0	561.0	569.5
47.5°	569.5	561.0	544.0	544.0	552.5	544.0	535.5	535.5	535.5	552.5	552.5
50°	552.5	544.0	527.0	527.0	527.0	527.0	518.5	518.5	518.5	527.0	535.5
52.5°	527.0	518.5	510.0	501.5	501.5	501.5	501.5	501.5	501.5	510.0	518.5
55°	501.5	493.0	484.5	484.5	493.0	493.0	484.5	493.0	484.5	493.0	501.5
57.5°	476.0	467.5	459.0	467.5	476.0	467.5	467.5	467.5	467.5	467.5	476.0
60°	442.0	442.0	442.0	442.0	459.0	459.0	459.0	459.0	442.0	450.5	459.0
62.5°	425.0	416.5	416.5	425.0	433.5	433.5	442.0	433.5	425.0	433.5	433.5
65°	391.0	391.0	391.0	399.5	399.5	408.0	408.0	408.0	399.5	408.0	408.0
67.5°	365.5	365.5	365.5	365.5	382.5	382.5	382.5	382.5	374.0	374.0	382.5
70°	323.0	331.5	323.0	340.0	357.0	348.5	357.0	357.0	348.5	340.0	357.0
72.5°	297.5	297.5	297.5	297.5	323.0	323.0	323.0	331.5	323.0	314.5	323.0
75°	263.5	263.5	263.5	272.0	289.0	289.0	289.0	289.0	289.0	280.5	280.5
77.5°	229.5	238.0	229.5	238.0	255.0	246.5	255.0	263.5	255.0	246.5	246.5
80°	195.5	195.5	195.5	204.0	212.5	212.5	212.5	221.0	212.5	204.0	204.0
82.5°	153.0	153.0	161.5	161.5	170.0	170.0	170.0	178.5	170.0	161.5	161.5
85°	119.0	119.0	119.0	127.5	127.5	136.0	136.0	144.5	144.5	136.0	136.0
87.5°	76.5	68.0	76.5	76.5	85.0	85.0	76.5	68.0	76.5	68.0	59.5
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: P598951
 CATALOG NUMBER: IFLD-M-SA4B-735-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0	6120.0
2.5°	5584.5	5737.5	5848.0	5924.5	6035.0	6247.5	6332.5	6485.5	6528.0	6553.5
5°	4802.5	4964.0	5202.0	5372.0	5567.5	5967.0	6273.0	6502.5	6604.5	6698.0
7.5°	3765.5	3978.0	4224.5	4445.5	4768.5	5261.5	5661.0	6137.0	6315.5	6409.0
10°	2941.0	3136.5	3408.5	3680.5	4131.0	4547.5	5117.0	5550.5	5797.0	5865.0
12.5°	2482.0	2711.5	3034.5	3366.0	3646.5	4122.5	4700.5	5329.5	5559.0	5601.5
15°	2108.0	2422.5	2754.0	3094.0	3417.0	3833.5	4454.0	5219.0	5559.0	5601.5
17.5°	1742.5	2023.0	2414.0	2779.5	3153.5	3723.0	4496.5	5312.5	5652.5	5780.0
20°	1385.5	1657.5	1963.5	2422.5	2932.5	3536.0	4590.0	5627.0	6077.5	6213.5
22.5°	1147.5	1266.5	1564.0	2006.0	2609.5	3408.5	4683.5	6120.0	6596.0	6647.0
25°	1003.0	1088.0	1275.0	1691.5	2354.5	3323.5	4904.5	6689.5	7301.5	7301.5
27.5°	935.0	969.0	1096.5	1470.5	2176.0	3247.0	5125.5	7318.5	7888.0	8007.0
30°	918.0	1003.0	1071.0	1309.0	1980.5	3034.5	5329.5	7811.5	8398.0	8406.5
32.5°	901.0	884.0	935.0	1139.0	1742.5	2813.5	5499.5	8313.0	8772.0	8797.5
35°	705.5	739.5	824.5	1003.0	1564.0	2652.0	5584.5	8585.0	9248.0	9273.5
37.5°	663.0	705.5	773.5	926.5	1445.0	2516.0	5610.0	9112.0	9749.4	9800.4
40°	646.0	680.0	731.0	858.5	1351.5	2346.0	5661.0	9655.9	10488.9	10420.9
42.5°	612.0	654.5	705.5	824.5	1275.0	2218.5	5669.5	9953.4	10879.9	10879.9
45°	603.5	629.0	688.5	824.5	1190.0	2108.0	5533.5	10250.9	11330.4	11194.4
47.5°	569.5	620.5	671.5	799.0	1088.0	1997.5	5372.0	10403.9	11389.9	11347.4
50°	561.0	612.0	697.0	756.5	1028.5	1946.5	5338.0	10786.4	11508.9	11500.4
52.5°	544.0	595.0	722.5	722.5	952.0	1878.5	5499.5	10956.4	11534.4	11602.4
55°	518.5	595.0	671.5	663.0	884.0	1793.5	5678.0	11398.4	11984.9	11967.9
57.5°	501.5	578.0	637.5	603.5	807.5	1734.0	5941.5	11823.4	12528.9	12409.9
60°	476.0	578.0	569.5	561.0	748.0	1683.0	6162.5	11908.4	12647.9	12724.4
62.5°	459.0	603.5	501.5	518.5	697.0	1657.5	6069.0	11270.9	12486.4	12554.4
65°	442.0	518.5	459.0	476.0	680.0	1606.5	5703.5	10505.9	11789.4	12086.9
67.5°	408.0	425.0	425.0	442.0	663.0	1487.5	4955.5	9129.0	10726.9	10888.4
70°	374.0	382.5	382.5	408.0	646.0	1351.5	4088.5	7896.5	9307.4	9613.4
72.5°	340.0	340.0	340.0	374.0	595.0	1241.0	3366.0	6069.0	7735.0	7947.5
75°	297.5	297.5	297.5	331.5	535.5	1130.5	2652.0	4513.5	5695.0	6001.0
77.5°	263.5	263.5	255.0	297.5	467.5	918.0	1912.5	3187.5	4012.0	4267.0
80°	221.0	212.5	212.5	238.0	365.5	663.0	1232.5	2252.5	2796.5	2907.0
82.5°	178.5	170.0	161.5	178.5	263.5	416.5	765.0	1572.5	1793.5	1725.5
85°	170.0	178.5	144.5	136.0	187.0	272.0	484.5	969.0	807.5	807.5
87.5°	68.0	59.5	59.5	51.0	93.5	102.0	212.5	178.5	136.0	136.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)