

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: P599414

Luminaire Tested: **IFLD-M-SA4A-727-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599414  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4A-727-U-SLL-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield  
 Light Source: (64) 2700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

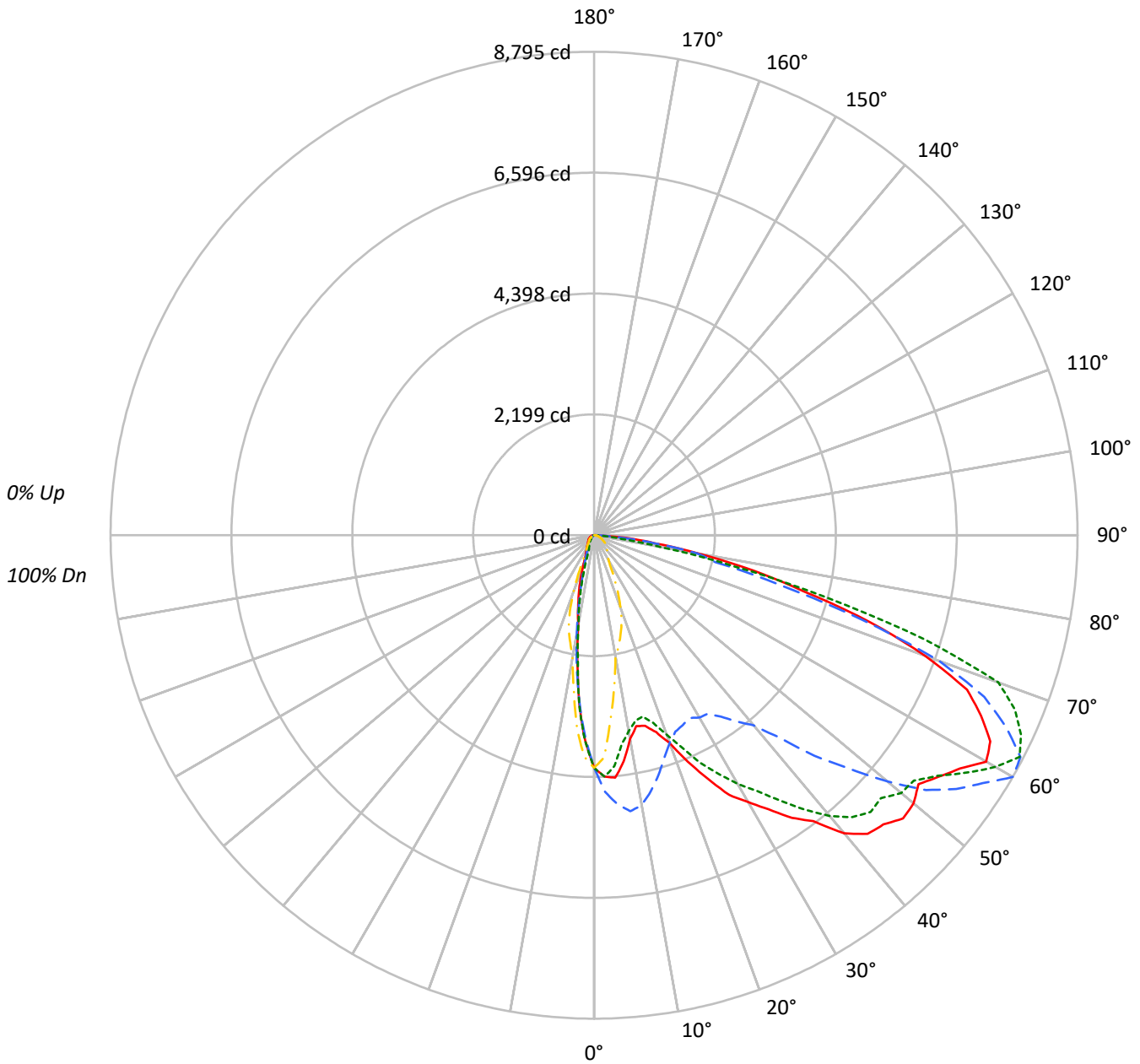
Lumens per Lamp: N/A  
 Luminaire Lumens: 11248.7 lumens  
 Efficiency: N/A  
 Efficacy: 87.5 lumens/watt  
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 128.6  
 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				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	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	79	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61	61	61	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	48	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39	39	39	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	32	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27	27	27	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	23	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20	20	20	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	45525	45525	45525	45525
5°	47841	45537	33268	33463
10°	41138	39562	18189	17762
15°	40001	38027	11817	8904
20°	46108	44180	6331	3166
25°	57974	54228	4102	2462
30°	69630	64889	3322	2016
35°	82455	77364	2724	1619
40°	99485	93659	2406	1224
45°	113263	108325	2241	824
50°	127061	122131	2214	502
55°	143690	143183	2199	225
60°	177316	181518	2004	65
65°	197848	218198	1836	0
70°	201739	246265	1703	0
75°	164154	181642	1626	0
80°	119356	75971	1674	0
85°	77164	31901	2223	0

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.3	2.9
10°-20°	630.1	5.6
20°-30°	871.9	7.8
30°-40°	1232.2	11.0
40°-50°	1677.7	14.9
50°-60°	2222.0	19.8
60°-70°	2579.9	22.9
70°-80°	1461.0	13.0
80°-90°	252.4	2.2
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°	1823.3	16.2
0°-40°	3055.5	27.2
0°-60°	6955.3	61.8
0°-90°	11248.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11248.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4229	4229	4229	4229	4229	
5°	4428	4214	3079	3097	4428	398
15°	3590	3412	1060	799	3590	1053
25°	4881	4566	345	207	4881	2277
35°	6275	5888	207	123	6275	3956
45°	7440	7116	147	54	7440	5769
55°	7657	7630	117	12	7657	6937
65°	7768	8567	72	0	7768	7572
75°	3947	4368	39	0	3947	4308
85°	625	258	18	0	625	751
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4
2.5°	4394.6	4487.7	4490.8	4532.8	4574.9	4574.9	4674.0	4650.0	4562.8	4547.8	4484.7
5°	4427.7	4460.7	4484.7	4698.0	4878.3	4860.2	4914.3	4878.3	4710.0	4493.8	4346.6
7.5°	4142.3	4178.4	4274.5	4637.9	4881.3	4962.4	5064.5	4839.2	4662.0	4271.5	3989.1
10°	3763.8	3832.9	4010.1	4424.7	4725.1	4983.4	4983.4	4803.2	4460.7	4079.2	3733.8
12.5°	3553.6	3691.7	3787.9	4208.4	4598.9	4776.1	4770.1	4674.0	4451.7	3971.1	3580.6
15°	3589.6	3628.6	3832.9	4160.3	4418.7	4409.6	4517.8	4487.7	4331.5	4067.2	3637.7
17.5°	3754.8	3814.9	3992.1	4160.3	4283.5	4247.4	4244.4	4388.6	4397.6	4229.4	3850.9
20°	4025.2	4202.4	4286.5	4337.6	4187.4	4034.2	4016.1	4217.4	4373.6	4436.7	4106.3
22.5°	4457.7	4574.9	4746.1	4484.7	4094.2	3902.0	3866.0	4088.2	4403.6	4683.0	4436.7
25°	4881.3	4971.4	5136.6	4800.2	4199.4	3875.0	3811.9	4004.1	4517.8	5025.4	4836.2
27.5°	5328.8	5406.9	5425.0	5031.4	4256.5	3820.9	3745.8	4004.1	4613.9	5205.7	5313.8
30°	5602.2	5695.3	5713.3	5235.7	4349.6	3866.0	3829.9	4022.2	4680.0	5358.9	5656.2
32.5°	5908.6	5932.6	5917.6	5271.8	4451.7	3998.1	3847.9	4142.3	4755.1	5542.1	5968.6
35°	6275.0	6317.1	6163.9	5437.0	4680.0	4082.2	4028.2	4289.5	4884.3	5626.2	6347.1
37.5°	6554.4	6686.6	6341.1	5500.0	4725.1	4259.5	4268.5	4595.9	4974.4	5728.3	6764.7
40°	7080.1	6857.8	6641.5	5716.3	4896.3	4559.8	4511.8	4911.3	5277.8	5794.4	7038.0
42.5°	7368.4	7251.3	6758.7	5737.4	5160.6	4974.4	4986.4	5268.8	5437.0	5980.7	7113.1
45°	7440.5	7317.4	6917.9	5752.4	5421.9	5464.0	5671.3	5725.3	5671.3	6103.8	7254.3
47.5°	7623.8	7356.4	6899.8	5953.6	5845.5	6007.7	6272.0	6389.2	5989.7	6058.8	7320.4
50°	7587.7	7434.5	6860.8	6037.7	6362.2	6791.7	6968.9	6920.9	6344.1	5965.6	7248.3
52.5°	7437.5	7272.3	6980.9	6266.0	6845.8	7365.4	7611.8	7491.6	6659.5	6175.9	7200.2
55°	7656.8	7530.6	7137.1	6575.4	7209.2	7870.1	8044.3	7954.2	7047.0	6371.2	7473.6
57.5°	7894.1	7867.1	7560.7	6938.9	7638.8	8389.7	8389.7	8278.6	7383.5	6653.5	7879.1
60°	8236.6	8296.6	7873.1	7179.2	7786.0	8359.7	8795.3	8666.1	7722.9	7149.2	8338.7
62.5°	8125.4	8317.7	8275.6	7695.9	7954.2	8506.9	8744.2	8840.3	8143.4	7752.9	8951.5
65°	7768.0	7972.2	8272.6	8035.3	7828.0	8149.4	8269.6	8561.0	8353.7	8320.7	9203.8
67.5°	7341.4	7563.7	7749.9	8263.6	7572.7	7786.0	7680.8	7774.0	8125.4	8942.5	9348.0
70°	6410.2	6623.5	6917.9	7755.9	6896.8	6704.6	6677.6	6632.5	7179.2	8720.2	8693.1
72.5°	5271.8	5370.9	5857.5	6305.1	5103.5	5067.5	5109.5	5058.5	5692.3	7894.1	7446.5
75°	3947.1	4046.2	4322.5	4842.2	3475.5	3268.2	3508.5	3745.8	4346.6	6127.9	5349.9
77.5°	2967.8	3094.0	3268.2	3622.6	2550.3	2225.9	2258.9	2484.2	3142.0	4908.3	2997.8
80°	1925.5	1910.4	2246.9	2493.2	1919.5	1979.5	1895.4	2060.6	2276.9	2625.4	1532.0
82.5°	1111.4	1126.4	1267.6	1429.8	1336.7	1529.0	1102.4	1841.4	1625.1	1069.4	570.7
85°	624.8	651.8	781.0	991.3	838.1	561.7	459.6	913.2	1021.3	438.6	276.4
87.5°	63.1	54.1	105.1	375.5	228.3	93.1	138.2	219.3	246.3	165.2	81.1
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°	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4
2.5°	4394.6	4394.6	4319.5	4193.4	4142.3	4052.2	3929.0	3968.1	3926.0	3772.8	3733.8
5°	4214.4	4070.2	3914.0	3721.8	3610.6	3382.3	3310.2	3181.1	3202.1	3072.9	3078.9
7.5°	3838.9	3724.8	3460.4	3208.1	2988.8	2790.6	2511.2	2406.1	2304.0	2252.9	2313.0
10°	3619.6	3406.4	3045.9	2715.5	2424.1	2246.9	2060.6	1916.5	1784.3	1685.2	1664.1
12.5°	3460.4	3271.2	2835.6	2433.1	2204.8	2060.6	1889.4	1691.2	1562.0	1390.8	1339.7
15°	3412.4	3181.1	2721.5	2322.0	2099.7	1862.4	1667.1	1471.9	1303.7	1123.4	1060.4
17.5°	3577.6	3310.2	2718.5	2231.9	1919.5	1664.1	1393.8	1174.5	1003.3	838.1	799.0
20°	3856.9	3448.4	2805.6	2177.8	1748.2	1405.8	1099.4	880.1	687.9	579.7	552.7
22.5°	4175.3	3682.7	2814.6	2033.6	1577.0	1147.5	802.0	579.7	471.6	420.5	405.5
25°	4565.9	4058.2	2922.7	1916.5	1375.8	871.1	570.7	444.6	381.5	351.5	345.4
27.5°	4887.3	4319.5	3039.9	1793.3	1177.5	645.8	447.6	363.5	330.4	300.4	297.4
30°	5220.7	4619.9	3072.9	1718.2	1006.3	531.7	384.5	321.4	285.4	270.3	267.3
32.5°	5512.1	4947.3	3178.1	1595.0	844.1	468.6	348.4	288.4	264.3	240.3	237.3
35°	5887.5	5136.6	3229.1	1529.0	784.0	423.5	318.4	264.3	228.3	213.3	207.3
37.5°	6290.1	5319.8	3262.2	1477.9	732.9	396.5	300.4	249.3	216.3	195.3	189.2
40°	6665.5	5578.1	3214.1	1414.8	693.9	363.5	288.4	231.3	201.3	180.2	171.2
42.5°	6953.9	5830.5	3199.1	1354.7	651.8	351.5	273.4	222.3	189.2	165.2	162.2
45°	7116.1	6001.7	3094.0	1306.7	618.8	357.5	267.3	210.3	180.2	159.2	147.2
47.5°	7077.1	6133.9	3121.0	1291.7	573.7	333.4	264.3	201.3	165.2	147.2	138.2
50°	7293.3	6401.2	3075.9	1243.6	540.7	300.4	288.4	201.3	162.2	141.2	132.2
52.5°	7329.4	6644.5	3172.1	1156.5	489.6	276.4	285.4	198.3	156.2	135.2	123.2
55°	7629.8	6926.9	3358.3	1108.4	447.6	240.3	261.3	192.2	141.2	123.2	117.2
57.5°	8038.3	7512.6	3478.5	1063.4	390.5	210.3	219.3	189.2	129.2	114.1	105.1
60°	8431.8	7746.9	3487.5	982.3	336.4	189.2	171.2	189.2	120.2	102.1	93.1
62.5°	8726.2	7746.9	3427.4	913.2	294.4	168.2	150.2	180.2	108.1	90.1	84.1
65°	8567.0	7539.7	3271.2	856.1	267.3	147.2	129.2	138.2	96.1	78.1	72.1
67.5°	8281.6	6893.8	2925.7	787.0	264.3	129.2	111.1	102.1	84.1	69.1	63.1
70°	7825.0	6022.7	2436.1	708.9	258.3	117.2	99.1	87.1	75.1	60.1	54.1
72.5°	6305.1	4974.4	2000.6	663.9	252.3	102.1	84.1	75.1	63.1	51.1	45.1
75°	4367.6	3178.1	1541.0	567.7	246.3	93.1	78.1	66.1	54.1	42.1	39.1
77.5°	2619.4	2123.7	994.3	426.5	162.2	75.1	66.1	51.1	45.1	36.0	33.0
80°	1225.6	1003.3	402.5	165.2	78.1	54.1	45.1	39.1	36.0	30.0	27.0
82.5°	480.6	423.5	195.3	96.1	63.1	42.1	36.0	33.0	30.0	24.0	21.0
85°	258.3	228.3	93.1	66.1	45.1	30.0	30.0	27.0	24.0	21.0	18.0
87.5°	57.1	42.1	39.1	39.1	33.0	24.0	24.0	21.0	18.0	15.0	12.0
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°	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4
2.5°	3712.8	3757.8	3685.7	3730.8	3667.7	3715.8	3721.8	3676.7	3688.7	3748.8	3775.8
5°	3163.1	3133.0	3066.9	3045.9	3048.9	3009.9	3024.9	3045.9	3078.9	3097.0	3151.0
7.5°	2279.9	2349.0	2346.0	2397.1	2400.1	2394.1	2352.0	2261.9	2291.9	2267.9	2297.9
10°	1631.1	1661.1	1718.2	1751.2	1811.3	1778.3	1682.2	1646.1	1628.1	1625.1	1655.1
12.5°	1303.7	1231.6	1225.6	1237.6	1267.6	1228.6	1180.5	1138.5	1159.5	1201.5	1234.6
15°	1009.3	949.2	871.1	859.1	865.1	847.1	796.0	742.0	757.0	799.0	823.1
17.5°	775.0	705.9	651.8	615.8	603.8	540.7	465.6	420.5	408.5	405.5	426.5
20°	522.7	510.7	501.6	456.6	456.6	366.5	303.4	270.3	270.3	276.4	279.4
22.5°	390.5	375.5	378.5	369.5	345.4	273.4	240.3	231.3	231.3	237.3	237.3
25°	339.4	318.4	312.4	309.4	285.4	234.3	210.3	201.3	201.3	207.3	207.3
27.5°	288.4	282.4	273.4	261.3	240.3	201.3	186.2	177.2	180.2	183.2	180.2
30°	264.3	249.3	237.3	237.3	213.3	180.2	168.2	162.2	156.2	162.2	165.2
32.5°	234.3	225.3	219.3	210.3	183.2	159.2	147.2	141.2	138.2	138.2	141.2
35°	201.3	201.3	195.3	183.2	159.2	144.2	129.2	123.2	120.2	123.2	123.2
37.5°	180.2	171.2	174.2	162.2	141.2	126.2	111.1	105.1	105.1	102.1	105.1
40°	168.2	153.2	144.2	138.2	126.2	108.1	96.1	90.1	87.1	87.1	87.1
42.5°	150.2	138.2	120.2	117.2	114.1	93.1	78.1	75.1	72.1	69.1	69.1
45°	141.2	123.2	108.1	93.1	93.1	78.1	66.1	60.1	57.1	54.1	57.1
47.5°	129.2	111.1	93.1	78.1	75.1	63.1	51.1	45.1	42.1	42.1	42.1
50°	123.2	99.1	81.1	66.1	57.1	51.1	39.1	33.0	30.0	30.0	30.0
52.5°	114.1	93.1	72.1	57.1	45.1	39.1	30.0	24.0	21.0	21.0	21.0
55°	102.1	84.1	63.1	48.1	39.1	30.0	21.0	15.0	12.0	12.0	12.0
57.5°	96.1	75.1	54.1	42.1	30.0	21.0	12.0	9.0	9.0	6.0	9.0
60°	87.1	66.1	45.1	33.0	24.0	15.0	9.0	3.0	3.0	3.0	3.0
62.5°	75.1	57.1	39.1	27.0	18.0	9.0	3.0	0.0	0.0	0.0	0.0
65°	63.1	45.1	30.0	21.0	12.0	3.0	0.0	0.0	0.0	0.0	0.0
67.5°	54.1	39.1	24.0	15.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	48.1	33.0	18.0	12.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	39.1	27.0	15.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	33.0	21.0	9.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	27.0	15.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	21.0	12.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P599414  
 CATALOG NUMBER: IFLD-M-SA4A-727-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4	4229.4
2.5°	3814.9	3796.9	3887.0	4034.2	4109.3	4256.5	4292.5	4385.6	4361.6	4394.6
5°	3157.0	3193.1	3325.3	3541.5	3619.6	3832.9	4034.2	4235.4	4364.6	4427.7
7.5°	2343.0	2463.2	2625.4	2823.6	3024.9	3304.2	3646.7	3881.0	4007.1	4142.3
10°	1745.2	1874.4	2060.6	2255.9	2583.3	2895.7	3238.1	3529.5	3637.7	3763.8
12.5°	1372.8	1574.0	1790.3	2000.6	2195.8	2493.2	2916.7	3340.3	3457.4	3553.6
15°	955.2	1201.5	1510.9	1784.3	2057.6	2316.0	2754.5	3268.2	3427.4	3589.6
17.5°	528.7	723.9	1078.4	1462.9	1865.4	2261.9	2808.6	3400.4	3640.7	3754.8
20°	306.4	384.5	636.8	1093.4	1625.1	2144.7	2835.6	3649.7	3968.1	4025.2
22.5°	252.3	279.4	360.5	684.9	1330.7	2069.7	2973.8	3998.1	4322.5	4457.7
25°	216.3	237.3	279.4	411.5	1006.3	1910.4	3060.9	4433.7	4734.1	4881.3
27.5°	192.2	213.3	246.3	303.4	684.9	1691.2	3205.1	4827.2	5127.6	5328.8
30°	168.2	186.2	219.3	258.3	474.6	1444.9	3328.3	5115.6	5539.1	5602.2
32.5°	150.2	165.2	189.2	222.3	351.5	1096.4	3427.4	5412.9	5770.4	5908.6
35°	129.2	147.2	162.2	189.2	267.3	826.1	3367.3	5644.2	6109.8	6275.0
37.5°	114.1	126.2	141.2	159.2	225.3	645.8	3244.2	5920.6	6401.2	6554.4
40°	96.1	105.1	123.2	141.2	204.3	498.6	3103.0	6254.0	6809.7	7080.1
42.5°	81.1	90.1	102.1	132.2	168.2	369.5	2817.6	6512.3	7140.1	7368.4
45°	63.1	75.1	93.1	132.2	135.2	273.4	2523.2	6704.6	7326.4	7440.5
47.5°	48.1	60.1	90.1	114.1	108.1	189.2	2174.8	6923.9	7518.6	7623.8
50°	36.0	48.1	102.1	99.1	90.1	144.2	1955.5	7077.1	7530.6	7587.7
52.5°	24.0	36.0	84.1	75.1	75.1	126.2	1895.4	7071.1	7560.7	7437.5
55°	18.0	27.0	48.1	54.1	66.1	111.1	1841.4	7296.3	7569.7	7656.8
57.5°	12.0	21.0	33.0	42.1	57.1	96.1	1730.2	7566.7	7849.1	7894.1
60°	6.0	15.0	24.0	33.0	48.1	84.1	1574.0	7764.9	8188.5	8236.6
62.5°	3.0	9.0	18.0	27.0	39.1	66.1	1411.8	7449.5	8041.3	8125.4
65°	0.0	6.0	12.0	18.0	24.0	48.1	1147.5	6725.6	7458.6	7768.0
67.5°	0.0	0.0	6.0	12.0	15.0	36.0	865.1	6118.8	6920.9	7341.4
70°	0.0	0.0	3.0	3.0	9.0	27.0	552.7	5067.5	6178.9	6410.2
72.5°	0.0	0.0	0.0	0.0	3.0	18.0	321.4	3763.8	4842.2	5271.8
75°	0.0	0.0	0.0	0.0	0.0	15.0	162.2	2421.1	3370.3	3947.1
77.5°	0.0	0.0	0.0	0.0	0.0	12.0	87.1	1562.0	2484.2	2967.8
80°	0.0	0.0	0.0	0.0	0.0	3.0	51.1	907.2	1589.0	1925.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	21.0	444.6	949.2	1111.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	237.3	474.6	624.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	33.0	63.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)