

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: P599464

Luminaire Tested: **IFLD-S-SA3C-735-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: P599464
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3C-735-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (48) 3500K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

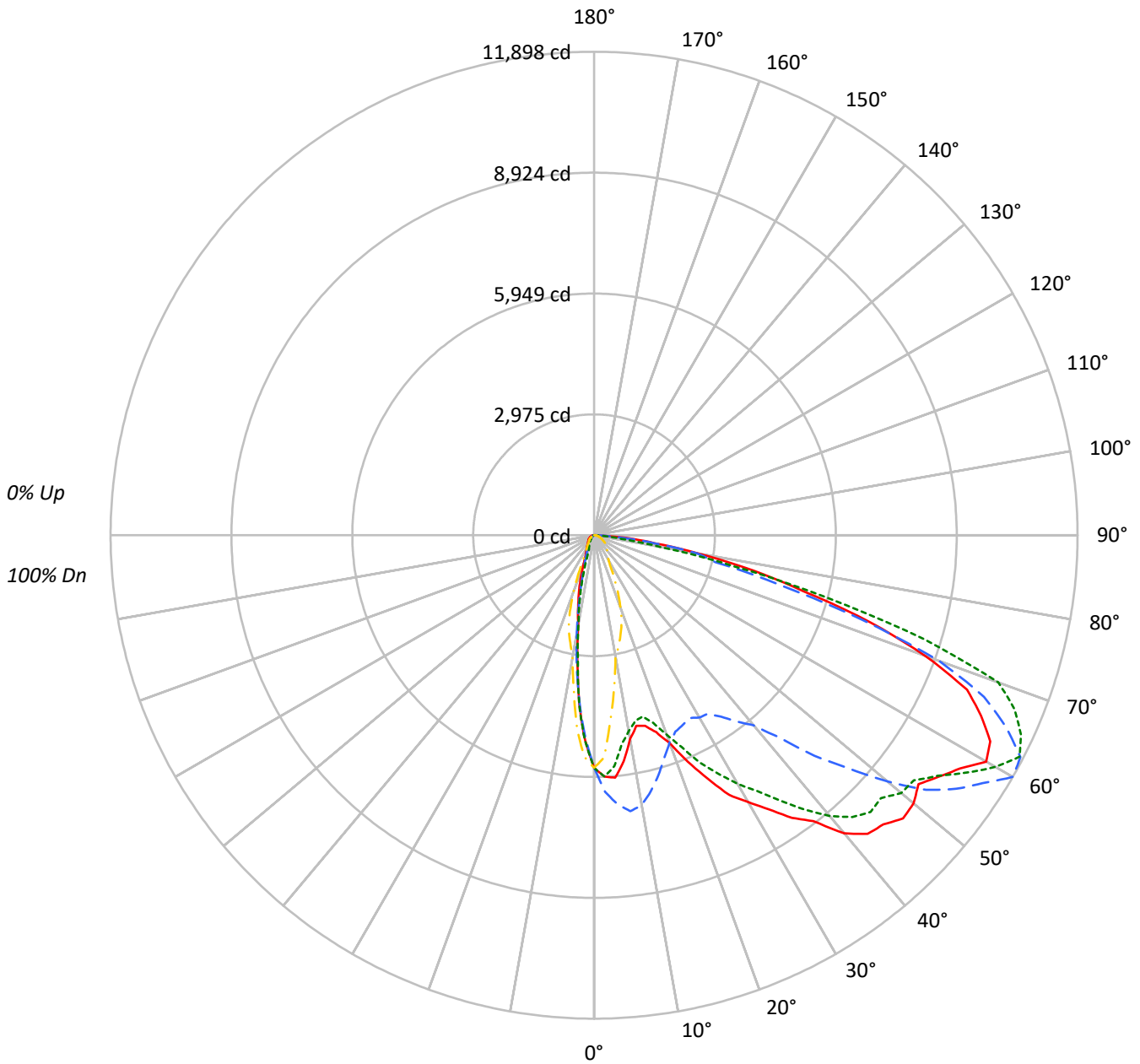
Lumens per Lamp: N/A
 Luminaire Lumens: 15216.3 lumens
 Efficiency: N/A
 Efficacy: 94.6 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 160.8
 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									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	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	102	102	102	102	102	102	102	102	102	102	100																	
	1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	81	81	81	81	81	81	81	81	81	81	79																	
	2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	63	63	63	63	63	63	63	63	63	63	61																	
	3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	50	50	50	50	50	50	50	50	50	50	48																	
	4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	41	41	41	41	41	41	41	41	41	41	39																	
	5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	34	34	34	34	34	34	34	34	34	34	32																	
	6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	29	29	29	29	29	29	29	29	29	29	27																	
	7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	25	25	25	25	25	25	25	25	25	25	23																	
	8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	22	22	22	22	22	22	22	22	22	22	20																	
	9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	20	20	20	20	20	20	20	20	20	20	18																	
	10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	18	18	18	18	18	18	18	18	18	18	16																	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	82110	82110	82110	82110
5°	86288	82131	60004	60354
10°	74198	71357	32806	32036
15°	72147	68585	21313	16060
20°	83160	79685	11420	5709
25°	104562	97805	7400	4440
30°	125587	117034	5992	3636
35°	148720	139536	4913	2919
40°	179433	168927	4339	2207
45°	204286	195377	4041	1484
50°	229172	220282	3992	906
55°	259163	258249	3966	408
60°	319812	327392	3617	118
65°	356843	393546	3311	0
70°	363862	444173	3067	0
75°	296072	327613	2928	0
80°	215268	137024	3025	0
85°	139179	57535	4018	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.6	2.9
10°-20°	852.3	5.6
20°-30°	1179.5	7.8
30°-40°	1666.9	11.0
40°-50°	2269.5	14.9
50°-60°	3005.8	19.8
60°-70°	3489.9	22.9
70°-80°	1976.4	13.0
80°-90°	341.5	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°	2466.4	16.2
0°-40°	4133.3	27.2
0°-60°	9408.5	61.8
0°-90°	15216.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15216.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5721	5721	5721	5721	5721	
5°	5989	5701	4165	4189	5989	538
15°	4856	4616	1434	1081	4856	1424
25°	6603	6176	467	280	6603	3080
35°	8488	7964	280	167	8488	5351
45°	10065	9626	199	73	10065	7803
55°	10358	10321	158	16	10358	9384
65°	10508	11589	98	0	10508	10243
75°	5339	5908	53	0	5339	5827
85°	845	349	24	0	845	1015
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°	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2
2.5°	5944.7	6070.7	6074.7	6131.6	6188.5	6188.5	6322.6	6290.1	6172.3	6151.9	6066.6
5°	5989.4	6034.1	6066.6	6355.1	6598.9	6574.5	6647.7	6598.9	6371.4	6078.8	5879.7
7.5°	5603.4	5652.1	5782.2	6273.8	6603.0	6712.7	6850.8	6546.1	6306.4	5778.1	5396.2
10°	5091.4	5184.9	5424.6	5985.3	6391.7	6741.1	6741.1	6497.3	6034.1	5518.1	5050.8
12.5°	4807.0	4993.9	5123.9	5692.8	6221.0	6460.8	6452.6	6322.6	6021.9	5371.8	4843.5
15°	4855.7	4908.6	5184.9	5627.8	5977.2	5965.0	6111.3	6070.7	5859.4	5501.8	4920.7
17.5°	5079.2	5160.5	5400.2	5627.8	5794.4	5745.6	5741.5	5936.6	5948.8	5721.2	5209.2
20°	5444.9	5684.7	5798.4	5867.5	5664.3	5457.1	5432.7	5705.0	5916.3	6001.6	5554.6
22.5°	6030.0	6188.5	6420.1	6066.6	5538.4	5278.3	5229.6	5530.2	5956.9	6334.8	6001.6
25°	6603.0	6724.9	6948.4	6493.3	5680.6	5241.7	5156.4	5416.5	6111.3	6798.0	6542.0
27.5°	7208.4	7314.1	7338.4	6806.1	5757.8	5168.6	5067.0	5416.5	6241.3	7041.8	7188.1
30°	7578.2	7704.2	7728.5	7082.5	5883.8	5229.6	5180.8	5440.9	6330.7	7249.1	7651.3
32.5°	7992.7	8025.2	8004.8	7131.2	6021.9	5408.3	5205.2	5603.4	6432.3	7496.9	8073.9
35°	8488.4	8545.3	8338.0	7354.7	6330.7	5522.1	5449.0	5802.5	6607.0	7610.7	8585.9
37.5°	8866.3	9045.1	8577.8	7440.0	6391.7	5761.9	5774.1	6217.0	6728.9	7748.8	9150.7
40°	9577.4	9276.7	8984.1	7732.6	6623.3	6168.2	6103.2	6643.6	7139.3	7838.2	9520.5
42.5°	9967.5	9809.0	9142.6	7761.0	6980.9	6728.9	6745.2	7127.2	7354.7	8090.2	9622.1
45°	10065.0	9898.4	9357.9	7781.4	7334.4	7391.3	7671.6	7744.8	7671.6	8256.8	9813.0
47.5°	10312.8	9951.2	9333.6	8053.6	7907.3	8126.7	8484.3	8642.8	8102.4	8195.8	9902.4
50°	10264.1	10056.8	9280.7	8167.4	8606.2	9187.3	9427.0	9362.0	8581.8	8069.9	9804.9
52.5°	10060.9	9837.4	9443.3	8476.2	9260.4	9963.4	10296.6	10134.0	9008.5	8354.3	9739.9
55°	10357.5	10186.9	9654.6	8894.7	9752.1	10646.0	10881.7	10759.8	9532.7	8618.4	10109.7
57.5°	10678.5	10642.0	10227.5	9386.4	10333.2	11349.0	11349.0	11198.7	9987.8	9000.4	10658.2
60°	11141.8	11223.0	10650.1	9711.5	10532.3	11308.4	11897.6	11722.8	10446.9	9670.8	11279.9
62.5°	10991.4	11251.5	11194.6	10410.4	10759.8	11507.5	11828.5	11958.5	11015.8	10487.6	12108.8
65°	10507.9	10784.2	11190.5	10869.5	10589.1	11023.9	11186.5	11580.6	11300.2	11255.5	12450.2
67.5°	9930.9	10231.6	10483.5	11178.3	10243.8	10532.3	10390.0	10516.0	10991.4	12096.7	12645.2
70°	8671.2	8959.7	9357.9	10491.6	9329.5	9069.4	9032.9	8971.9	9711.5	11796.0	11759.4
72.5°	7131.2	7265.3	7923.6	8529.0	6903.7	6854.9	6911.8	6842.7	7700.1	10678.5	10073.1
75°	5339.3	5473.4	5847.2	6550.2	4701.3	4420.9	4746.0	5067.0	5879.7	8289.3	7236.9
77.5°	4014.6	4185.3	4420.9	4900.4	3449.8	3011.0	3055.7	3360.4	4250.3	6639.5	4055.2
80°	2604.6	2584.3	3039.4	3372.6	2596.5	2677.8	2564.0	2787.5	3080.0	3551.4	2072.3
82.5°	1503.4	1523.8	1714.7	1934.2	1808.2	2068.3	1491.3	2490.8	2198.3	1446.6	772.0
85°	845.2	881.8	1056.5	1340.9	1133.7	759.9	621.7	1235.3	1381.5	593.3	373.8
87.5°	85.3	73.1	142.2	507.9	308.8	126.0	186.9	296.6	333.2	223.5	109.7
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°	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2
2.5°	5944.7	5944.7	5843.1	5672.5	5603.4	5481.5	5314.9	5367.7	5310.8	5103.6	5050.8
5°	5700.9	5505.9	5294.6	5034.5	4884.2	4575.4	4477.8	4303.1	4331.6	4156.8	4165.0
7.5°	5193.0	5038.6	4681.0	4339.7	4043.1	3774.9	3397.0	3254.8	3116.6	3047.5	3128.8
10°	4896.4	4607.9	4120.3	3673.3	3279.1	3039.4	2787.5	2592.4	2413.6	2279.6	2251.1
12.5°	4681.0	4425.0	3835.8	3291.3	2982.5	2787.5	2555.9	2287.7	2113.0	1881.3	1812.3
15°	4616.0	4303.1	3681.4	3141.0	2840.3	2519.3	2255.2	1991.1	1763.5	1519.7	1434.4
17.5°	4839.5	4477.8	3677.4	3019.1	2596.5	2251.1	1885.4	1588.8	1357.2	1133.7	1080.9
20°	5217.4	4664.8	3795.2	2945.9	2364.9	1901.7	1487.2	1190.6	930.5	784.2	747.7
22.5°	5648.1	4981.7	3807.4	2750.9	2133.3	1552.2	1084.9	784.2	637.9	568.9	548.6
25°	6176.3	5489.6	3953.7	2592.4	1861.0	1178.4	772.0	601.4	516.0	475.4	467.3
27.5°	6611.1	5843.1	4112.1	2425.8	1592.8	873.6	605.4	491.7	447.0	406.3	402.3
30°	7062.1	6249.5	4156.8	2324.2	1361.2	719.2	520.1	434.8	386.0	365.7	361.6
32.5°	7456.3	6692.4	4299.0	2157.7	1141.8	633.9	471.4	390.1	357.6	325.1	321.0
35°	7964.2	6948.4	4368.1	2068.3	1060.5	572.9	430.7	357.6	308.8	288.5	280.4
37.5°	8508.7	7196.2	4412.8	1999.2	991.5	536.4	406.3	337.3	292.6	264.1	256.0
40°	9016.6	7545.7	4347.8	1913.8	938.6	491.7	390.1	312.9	272.2	243.8	231.6
42.5°	9406.7	7887.0	4327.5	1832.6	881.8	475.4	369.8	300.7	256.0	223.5	219.4
45°	9626.1	8118.6	4185.3	1767.6	837.1	483.5	361.6	284.4	243.8	215.4	199.1
47.5°	9573.3	8297.4	4221.8	1747.2	776.1	451.0	357.6	272.2	223.5	199.1	186.9
50°	9865.9	8659.0	4160.9	1682.2	731.4	406.3	390.1	272.2	219.4	191.0	178.8
52.5°	9914.6	8988.2	4290.9	1564.4	662.3	373.8	386.0	268.2	211.3	182.9	166.6
55°	10321.0	9370.1	4542.8	1499.4	605.4	325.1	353.5	260.1	191.0	166.6	158.5
57.5°	10873.6	10162.5	4705.4	1438.4	528.2	284.4	296.6	256.0	174.7	154.4	142.2
60°	11405.9	10479.4	4717.6	1328.7	455.1	256.0	231.6	256.0	162.5	138.2	126.0
62.5°	11804.1	10479.4	4636.3	1235.3	398.2	227.5	203.2	243.8	146.3	121.9	113.8
65°	11588.7	10199.1	4425.0	1158.1	361.6	199.1	174.7	186.9	130.0	105.6	97.5
67.5°	11202.7	9325.4	3957.7	1064.6	357.6	174.7	150.3	138.2	113.8	93.5	85.3
70°	10585.1	8147.1	3295.4	959.0	349.4	158.5	134.1	117.8	101.6	81.3	73.1
72.5°	8529.0	6728.9	2706.2	898.0	341.3	138.2	113.8	101.6	85.3	69.1	61.0
75°	5908.1	4299.0	2084.5	768.0	333.2	126.0	105.6	89.4	73.1	56.9	52.8
77.5°	3543.3	2872.8	1345.0	577.0	219.4	101.6	89.4	69.1	61.0	48.8	44.7
80°	1657.9	1357.2	544.5	223.5	105.6	73.1	61.0	52.8	48.8	40.6	36.6
82.5°	650.1	572.9	264.1	130.0	85.3	56.9	48.8	44.7	40.6	32.5	28.4
85°	349.4	308.8	126.0	89.4	61.0	40.6	40.6	36.6	32.5	28.4	24.4
87.5°	77.2	56.9	52.8	52.8	44.7	32.5	32.5	28.4	24.4	20.3	16.3
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°	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2
2.5°	5022.3	5083.3	4985.8	5046.7	4961.4	5026.4	5034.5	4973.6	4989.8	5071.1	5107.7
5°	4278.7	4238.1	4148.7	4120.3	4124.3	4071.5	4091.8	4120.3	4165.0	4189.3	4262.5
7.5°	3084.1	3177.6	3173.5	3242.6	3246.6	3238.5	3181.6	3059.7	3100.4	3067.8	3108.5
10°	2206.4	2247.0	2324.2	2368.9	2450.2	2405.5	2275.5	2226.7	2202.3	2198.3	2238.9
12.5°	1763.5	1666.0	1657.9	1674.1	1714.7	1661.9	1596.9	1540.0	1568.5	1625.3	1670.0
15°	1365.3	1284.0	1178.4	1162.1	1170.3	1145.9	1076.8	1003.7	1024.0	1080.9	1113.4
17.5°	1048.3	954.9	881.8	833.0	816.7	731.4	629.8	568.9	552.6	548.6	577.0
20°	707.0	690.8	678.6	617.6	617.6	495.7	410.4	365.7	365.7	373.8	377.9
22.5°	528.2	507.9	512.0	499.8	467.3	369.8	325.1	312.9	312.9	321.0	321.0
25°	459.2	430.7	422.6	418.5	386.0	316.9	284.4	272.2	272.2	280.4	280.4
27.5°	390.1	382.0	369.8	353.5	325.1	272.2	251.9	239.7	243.8	247.9	243.8
30°	357.6	337.3	321.0	321.0	288.5	243.8	227.5	219.4	211.3	219.4	223.5
32.5°	316.9	304.8	296.6	284.4	247.9	215.4	199.1	191.0	186.9	186.9	191.0
35°	272.2	272.2	264.1	247.9	215.4	195.0	174.7	166.6	162.5	166.6	166.6
37.5°	243.8	231.6	235.7	219.4	191.0	170.7	150.3	142.2	142.2	138.2	142.2
40°	227.5	207.2	195.0	186.9	170.7	146.3	130.0	121.9	117.8	117.8	117.8
42.5°	203.2	186.9	162.5	158.5	154.4	126.0	105.6	101.6	97.5	93.5	93.5
45°	191.0	166.6	146.3	126.0	126.0	105.6	89.4	81.3	77.2	73.1	77.2
47.5°	174.7	150.3	126.0	105.6	101.6	85.3	69.1	61.0	56.9	56.9	56.9
50°	166.6	134.1	109.7	89.4	77.2	69.1	52.8	44.7	40.6	40.6	40.6
52.5°	154.4	126.0	97.5	77.2	61.0	52.8	40.6	32.5	28.4	28.4	28.4
55°	138.2	113.8	85.3	65.0	52.8	40.6	28.4	20.3	16.3	16.3	16.3
57.5°	130.0	101.6	73.1	56.9	40.6	28.4	16.3	12.2	12.2	8.1	12.2
60°	117.8	89.4	61.0	44.7	32.5	20.3	12.2	4.1	4.1	4.1	4.1
62.5°	101.6	77.2	52.8	36.6	24.4	12.2	4.1	0.0	0.0	0.0	0.0
65°	85.3	61.0	40.6	28.4	16.3	4.1	0.0	0.0	0.0	0.0	0.0
67.5°	73.1	52.8	32.5	20.3	12.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	65.0	44.7	24.4	16.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	52.8	36.6	20.3	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	44.7	28.4	12.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	36.6	20.3	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	28.4	16.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	24.4	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.2	4.1	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: P599464
 CATALOG NUMBER: IFLD-S-SA3C-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2	5721.2
2.5°	5160.5	5136.1	5258.0	5457.1	5558.7	5757.8	5806.6	5932.5	5900.0	5944.7
5°	4270.6	4319.4	4498.2	4790.7	4896.4	5184.9	5457.1	5729.4	5904.1	5989.4
7.5°	3169.4	3332.0	3551.4	3819.6	4091.8	4469.7	4932.9	5249.9	5420.5	5603.4
10°	2360.8	2535.5	2787.5	3051.6	3494.5	3917.1	4380.3	4774.5	4920.7	5091.4
12.5°	1857.0	2129.2	2421.8	2706.2	2970.3	3372.6	3945.5	4518.5	4676.9	4807.0
15°	1292.2	1625.3	2043.9	2413.6	2783.4	3132.9	3726.1	4420.9	4636.3	4855.7
17.5°	715.2	979.3	1458.8	1978.9	2523.4	3059.7	3799.3	4599.7	4924.8	5079.2
20°	414.5	520.1	861.4	1479.1	2198.3	2901.2	3835.8	4937.0	5367.7	5444.9
22.5°	341.3	377.9	487.6	926.4	1800.1	2799.7	4022.7	5408.3	5847.2	6030.0
25°	292.6	321.0	377.9	556.7	1361.2	2584.3	4140.6	5997.5	6403.9	6603.0
27.5°	260.1	288.5	333.2	410.4	926.4	2287.7	4335.6	6529.8	6936.2	7208.4
30°	227.5	251.9	296.6	349.4	642.0	1954.5	4502.2	6919.9	7492.9	7578.2
32.5°	203.2	223.5	256.0	300.7	475.4	1483.1	4636.3	7322.2	7805.7	7992.7
35°	174.7	199.1	219.4	256.0	361.6	1117.4	4555.0	7635.1	8264.9	8488.4
37.5°	154.4	170.7	191.0	215.4	304.8	873.6	4388.4	8008.9	8659.0	8866.3
40°	130.0	142.2	166.6	191.0	276.3	674.5	4197.5	8459.9	9211.7	9577.4
42.5°	109.7	121.9	138.2	178.8	227.5	499.8	3811.4	8809.4	9658.6	9967.5
45°	85.3	101.6	126.0	178.8	182.9	369.8	3413.2	9069.4	9910.6	10065.0
47.5°	65.0	81.3	121.9	154.4	146.3	256.0	2941.9	9366.1	10170.6	10312.8
50°	48.8	65.0	138.2	134.1	121.9	195.0	2645.3	9573.3	10186.9	10264.1
52.5°	32.5	48.8	113.8	101.6	101.6	170.7	2564.0	9565.2	10227.5	10060.9
55°	24.4	36.6	65.0	73.1	89.4	150.3	2490.8	9869.9	10239.7	10357.5
57.5°	16.3	28.4	44.7	56.9	77.2	130.0	2340.5	10235.6	10617.6	10678.5
60°	8.1	20.3	32.5	44.7	65.0	113.8	2129.2	10503.8	11076.8	11141.8
62.5°	4.1	12.2	24.4	36.6	52.8	89.4	1909.8	10077.2	10877.6	10991.4
65°	0.0	8.1	16.3	24.4	32.5	65.0	1552.2	9097.9	10089.4	10507.9
67.5°	0.0	0.0	8.1	16.3	20.3	48.8	1170.3	8277.1	9362.0	9930.9
70°	0.0	0.0	4.1	4.1	12.2	36.6	747.7	6854.9	8358.4	8671.2
72.5°	0.0	0.0	0.0	0.0	4.1	24.4	434.8	5091.4	6550.2	7131.2
75°	0.0	0.0	0.0	0.0	0.0	20.3	219.4	3275.1	4559.1	5339.3
77.5°	0.0	0.0	0.0	0.0	0.0	16.3	117.8	2113.0	3360.4	4014.6
80°	0.0	0.0	0.0	0.0	0.0	4.1	69.1	1227.1	2149.5	2604.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	28.4	601.4	1284.0	1503.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	8.1	321.0	642.0	845.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	44.7	85.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)