

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: P599465

Luminaire Tested: **IFLD-S-SA3D-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: P599465
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3D-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

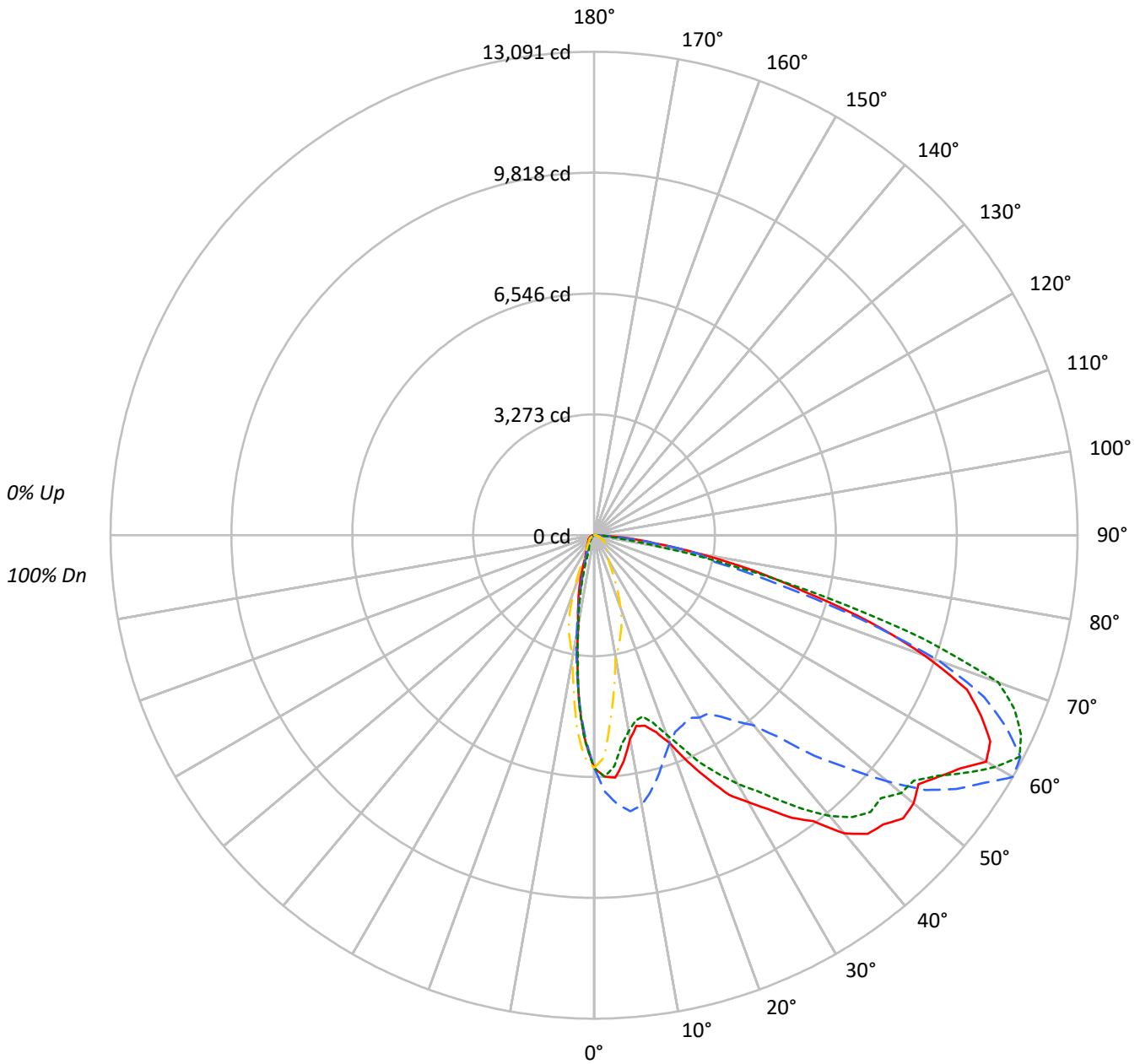
Lumens per Lamp: N/A
 Luminaire Lumens: 16742.9 lumens
 Efficiency: N/A
 Efficacy: 90.9 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 184.1
 Input Voltage (V): 120
 Input Current (A_{in}): 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°	90348	90348	90348	90348
5°	94945	90370	66023	66409
10°	81642	78515	36097	35250
15°	79386	75466	23451	17671
20°	91503	87679	12565	6282
25°	115052	107617	8143	4885
30°	138187	128775	6594	4001
35°	163641	153535	5405	3211
40°	197434	185874	4774	2430
45°	224779	214978	4447	1634
50°	252163	242379	4392	998
55°	285163	284157	4364	448
60°	351894	360238	3978	129
65°	392643	433027	3644	0
70°	400369	488733	3378	0
75°	325772	360484	3222	0
80°	236864	150769	3322	0
85°	153143	63315	4413	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.2	2.9
10°-20°	937.8	5.6
20°-30°	1297.8	7.8
30°-40°	1834.1	11.0
40°-50°	2497.2	14.9
50°-60°	3307.3	19.8
60°-70°	3840.1	22.9
70°-80°	2174.6	13.0
80°-90°	375.7	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°	2713.8	16.2
0°-40°	4547.9	27.2
0°-60°	10352.4	61.8
0°-90°	16742.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16742.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6295	6295	6295	6295	6295	
5°	6590	6273	4583	4610	6590	592
15°	5343	5079	1578	1189	5343	1567
25°	7265	6796	514	308	7265	3389
35°	9340	8763	308	183	9340	5888
45°	11075	10592	219	80	11075	8586
55°	11397	11356	174	18	11397	10325
65°	11562	12751	107	0	11562	11271
75°	5875	6501	58	0	5875	6412
85°	930	384	27	0	930	1117
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°	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2
2.5°	6541.1	6679.7	6684.2	6746.8	6809.4	6809.4	6956.9	6921.1	6791.5	6769.1	6675.2
5°	6590.3	6639.5	6675.2	6992.7	7260.9	7234.1	7314.6	7260.9	7010.6	6688.6	6469.6
7.5°	6165.5	6219.2	6362.3	6903.3	7265.4	7386.1	7538.1	7202.8	6939.0	6357.8	5937.5
10°	5602.2	5705.0	5968.8	6585.8	7032.9	7417.4	7417.4	7149.2	6639.5	6071.6	5557.5
12.5°	5289.2	5494.9	5638.0	6263.9	6845.1	7108.9	7100.0	6956.9	6626.1	5910.7	5329.5
15°	5342.9	5401.0	5705.0	6192.4	6576.9	6563.5	6724.4	6679.7	6447.2	6053.8	5414.4
17.5°	5588.8	5678.2	5942.0	6192.4	6375.7	6322.0	6317.6	6532.2	6545.6	6295.2	5731.8
20°	5991.2	6255.0	6380.1	6456.2	6232.6	6004.6	5977.8	6277.3	6509.8	6603.7	6111.9
22.5°	6635.0	6809.4	7064.2	6675.2	6094.0	5807.9	5754.2	6085.1	6554.5	6970.3	6603.7
25°	7265.4	7399.5	7645.4	7144.7	6250.5	5767.6	5673.7	5959.9	6724.4	7480.0	7198.3
27.5°	7931.6	8047.8	8074.7	7489.0	6335.4	5687.1	5575.4	5959.9	6867.5	7748.3	7909.2
30°	8338.5	8477.1	8503.9	7793.0	6474.0	5754.2	5700.5	5986.7	6965.8	7976.3	8418.9
32.5°	8794.5	8830.3	8807.9	7846.6	6626.1	5950.9	5727.4	6165.5	7077.6	8249.0	8883.9
35°	9340.0	9402.6	9174.5	8092.5	6965.8	6076.1	5995.6	6384.6	7269.9	8374.2	9447.3
37.5°	9755.8	9952.5	9438.3	8186.4	7032.9	6339.9	6353.3	6840.7	7404.0	8526.2	10068.7
40°	10538.2	10207.3	9885.4	8508.4	7287.8	6787.0	6715.5	7310.1	7855.6	8624.6	10475.6
42.5°	10967.4	10793.0	10059.8	8539.6	7681.2	7404.0	7421.9	7842.2	8092.5	8901.8	10587.4
45°	11074.7	10891.4	10296.8	8562.0	8070.2	8132.8	8441.3	8521.8	8441.3	9085.1	10797.5
47.5°	11347.4	10949.5	10269.9	8861.6	8700.6	8942.0	9335.5	9509.9	8915.2	9018.0	10895.9
50°	11293.8	11065.8	10211.8	8986.7	9469.6	10109.0	10372.8	10301.2	9442.8	8879.4	10788.6
52.5°	11070.2	10824.3	10390.6	9326.5	10189.5	10962.9	11329.6	11150.7	9912.3	9192.4	10717.0
55°	11396.6	11208.8	10623.1	9787.1	10730.4	11714.1	11973.4	11839.3	10489.0	9483.0	11123.9
57.5°	11749.8	11709.6	11253.6	10328.1	11369.8	12487.6	12487.6	12322.1	10989.8	9903.3	11727.5
60°	12259.5	12349.0	11718.5	10685.7	11588.9	12442.8	13091.1	12898.9	11495.0	10641.0	12411.6
62.5°	12094.1	12380.3	12317.7	11454.8	11839.3	12661.9	13015.1	13158.2	12120.9	11539.7	13323.6
65°	11562.1	11866.1	12313.2	11960.0	11651.5	12129.9	12308.7	12742.4	12433.9	12384.7	13699.2
67.5°	10927.2	11258.0	11535.2	12299.8	11271.4	11588.9	11432.4	11571.0	12094.1	13310.2	13913.8
70°	9541.2	9858.6	10296.8	11544.2	10265.5	9979.3	9939.1	9872.0	10685.7	12979.4	12939.1
72.5°	7846.6	7994.2	8718.5	9384.7	7596.3	7542.6	7605.2	7529.2	8472.6	11749.8	11083.7
75°	5874.9	6022.5	6433.8	7207.3	5173.0	4864.5	5222.2	5575.4	6469.6	9120.9	7962.9
77.5°	4417.4	4605.2	4864.5	5392.0	3795.9	3313.0	3362.2	3697.5	4676.7	7305.6	4462.1
80°	2865.9	2843.6	3344.3	3710.9	2857.0	2946.4	2821.2	3067.1	3389.0	3907.7	2280.2
82.5°	1654.3	1676.6	1886.8	2128.2	1989.6	2275.7	1640.9	2740.7	2418.8	1591.7	849.5
85°	930.0	970.2	1162.5	1475.4	1247.4	836.1	684.1	1359.2	1520.1	652.8	411.3
87.5°	93.9	80.5	156.5	558.9	339.8	138.6	205.7	326.4	366.6	245.9	120.7
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°	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2
2.5°	6541.1	6541.1	6429.3	6241.5	6165.5	6031.4	5848.1	5906.2	5843.6	5615.6	5557.5
5°	6272.8	6058.2	5825.7	5539.6	5374.2	5034.4	4927.1	4734.8	4766.1	4573.9	4582.8
7.5°	5714.0	5544.1	5150.6	4775.0	4448.7	4153.6	3737.8	3581.3	3429.3	3353.3	3442.7
10°	5387.6	5070.1	4533.6	4041.8	3608.1	3344.3	3067.1	2852.5	2655.8	2508.2	2476.9
12.5°	5150.6	4868.9	4220.6	3621.5	3281.7	3067.1	2812.3	2517.2	2324.9	2070.1	1994.1
15°	5079.1	4734.8	4050.7	3456.1	3125.2	2772.0	2481.4	2190.8	1940.4	1672.2	1578.3
17.5°	5325.0	4927.1	4046.3	3322.0	2857.0	2476.9	2074.6	1748.2	1493.3	1247.4	1189.3
20°	5740.8	5132.7	4175.9	3241.5	2602.1	2092.4	1636.4	1310.0	1023.9	862.9	822.7
22.5°	6214.7	5481.5	4189.3	3026.9	2347.3	1707.9	1193.8	862.9	702.0	625.9	603.6
25°	6795.9	6040.3	4350.3	2852.5	2047.7	1296.6	849.5	661.7	567.8	523.1	514.2
27.5°	7274.3	6429.3	4524.7	2669.2	1752.6	961.3	666.2	541.0	491.8	447.1	442.6
30°	7770.6	6876.4	4573.9	2557.4	1497.8	791.4	572.3	478.4	424.7	402.4	397.9
32.5°	8204.3	7363.8	4730.3	2374.1	1256.4	697.5	518.6	429.2	393.4	357.7	353.2
35°	8763.2	7645.4	4806.3	2275.7	1166.9	630.4	473.9	393.4	339.8	317.4	308.5
37.5°	9362.3	7918.2	4855.5	2199.7	1090.9	590.2	447.1	371.1	321.9	290.6	281.7
40°	9921.2	8302.7	4784.0	2105.9	1032.8	541.0	429.2	344.3	299.6	268.3	254.8
42.5°	10350.4	8678.2	4761.6	2016.4	970.2	523.1	406.9	330.9	281.7	245.9	241.4
45°	10591.8	8933.1	4605.2	1944.9	921.0	532.1	397.9	313.0	268.3	237.0	219.1
47.5°	10533.7	9129.8	4645.4	1922.5	854.0	496.3	393.4	299.6	245.9	219.1	205.7
50°	10855.6	9527.7	4578.3	1851.0	804.8	447.1	429.2	299.6	241.4	210.1	196.7
52.5°	10909.3	9889.9	4721.4	1721.3	728.8	411.3	424.7	295.1	232.5	201.2	183.3
55°	11356.4	10310.2	4998.6	1649.8	666.2	357.7	389.0	286.1	210.1	183.3	174.4
57.5°	11964.4	11182.0	5177.4	1582.7	581.2	313.0	326.4	281.7	192.3	169.9	156.5
60°	12550.2	11530.8	5190.9	1462.0	500.8	281.7	254.8	281.7	178.8	152.0	138.6
62.5°	12988.3	11530.8	5101.4	1359.2	438.2	250.4	223.6	268.3	161.0	134.1	125.2
65°	12751.3	11222.3	4868.9	1274.2	397.9	219.1	192.3	205.7	143.1	116.2	107.3
67.5°	12326.6	10261.0	4354.8	1171.4	393.4	192.3	165.4	152.0	125.2	102.8	93.9
70°	11647.0	8964.4	3626.0	1055.2	384.5	174.4	147.5	129.7	111.8	89.4	80.5
72.5°	9384.7	7404.0	2977.7	988.1	375.6	152.0	125.2	111.8	93.9	76.0	67.1
75°	6500.9	4730.3	2293.6	845.0	366.6	138.6	116.2	98.4	80.5	62.6	58.1
77.5°	3898.7	3161.0	1479.9	634.9	241.4	111.8	98.4	76.0	67.1	53.7	49.2
80°	1824.2	1493.3	599.1	245.9	116.2	80.5	67.1	58.1	53.7	44.7	40.2
82.5°	715.4	630.4	290.6	143.1	93.9	62.6	53.7	49.2	44.7	35.8	31.3
85°	384.5	339.8	138.6	98.4	67.1	44.7	44.7	40.2	35.8	31.3	26.8
87.5°	84.9	62.6	58.1	58.1	49.2	35.8	35.8	31.3	26.8	22.4	17.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2
2.5°	5526.2	5593.2	5485.9	5553.0	5459.1	5530.7	5539.6	5472.5	5490.4	5579.8	5620.1
5°	4708.0	4663.3	4564.9	4533.6	4538.1	4480.0	4502.3	4533.6	4582.8	4609.6	4690.1
7.5°	3393.5	3496.3	3491.9	3567.9	3572.3	3563.4	3500.8	3366.7	3411.4	3375.6	3420.3
10°	2427.8	2472.5	2557.4	2606.6	2696.0	2646.8	2503.8	2450.1	2423.3	2418.8	2463.5
12.5°	1940.4	1833.1	1824.2	1842.1	1886.8	1828.6	1757.1	1694.5	1725.8	1788.4	1837.6
15°	1502.3	1412.8	1296.6	1278.7	1287.7	1260.8	1184.8	1104.3	1126.7	1189.3	1225.1
17.5°	1153.5	1050.7	970.2	916.6	898.7	804.8	693.0	625.9	608.1	603.6	634.9
20°	778.0	760.1	746.7	679.6	679.6	545.5	451.6	402.4	402.4	411.3	415.8
22.5°	581.2	558.9	563.3	549.9	514.2	406.9	357.7	344.3	344.3	353.2	353.2
25°	505.2	473.9	465.0	460.5	424.7	348.7	313.0	299.6	299.6	308.5	308.5
27.5°	429.2	420.3	406.9	389.0	357.7	299.6	277.2	263.8	268.3	272.7	268.3
30°	393.4	371.1	353.2	353.2	317.4	268.3	250.4	241.4	232.5	241.4	245.9
32.5°	348.7	335.3	326.4	313.0	272.7	237.0	219.1	210.1	205.7	205.7	210.1
35°	299.6	299.6	290.6	272.7	237.0	214.6	192.3	183.3	178.8	183.3	183.3
37.5°	268.3	254.8	259.3	241.4	210.1	187.8	165.4	156.5	156.5	152.0	156.5
40°	250.4	228.0	214.6	205.7	187.8	161.0	143.1	134.1	129.7	129.7	129.7
42.5°	223.6	205.7	178.8	174.4	169.9	138.6	116.2	111.8	107.3	102.8	102.8
45°	210.1	183.3	161.0	138.6	138.6	116.2	98.4	89.4	84.9	80.5	84.9
47.5°	192.3	165.4	138.6	116.2	111.8	93.9	76.0	67.1	62.6	62.6	62.6
50°	183.3	147.5	120.7	98.4	84.9	76.0	58.1	49.2	44.7	44.7	44.7
52.5°	169.9	138.6	107.3	84.9	67.1	58.1	44.7	35.8	31.3	31.3	31.3
55°	152.0	125.2	93.9	71.5	58.1	44.7	31.3	22.4	17.9	17.9	17.9
57.5°	143.1	111.8	80.5	62.6	44.7	31.3	17.9	13.4	13.4	8.9	13.4
60°	129.7	98.4	67.1	49.2	35.8	22.4	13.4	4.5	4.5	4.5	4.5
62.5°	111.8	84.9	58.1	40.2	26.8	13.4	4.5	0.0	0.0	0.0	0.0
65°	93.9	67.1	44.7	31.3	17.9	4.5	0.0	0.0	0.0	0.0	0.0
67.5°	80.5	58.1	35.8	22.4	13.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	71.5	49.2	26.8	17.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	58.1	40.2	22.4	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	49.2	31.3	13.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	40.2	22.4	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	31.3	17.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	26.8	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	17.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.4	4.5	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: P599465
 CATALOG NUMBER: IFLD-S-SA3D-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2	6295.2
2.5°	5678.2	5651.4	5785.5	6004.6	6116.4	6335.4	6389.1	6527.7	6491.9	6541.1
5°	4699.0	4752.7	4949.4	5271.3	5387.6	5705.0	6004.6	6304.1	6496.4	6590.3
7.5°	3487.4	3666.2	3907.7	4202.8	4502.3	4918.1	5427.8	5776.6	5964.3	6165.5
10°	2597.7	2789.9	3067.1	3357.7	3845.1	4310.1	4819.8	5253.4	5414.4	5602.2
12.5°	2043.3	2342.8	2664.7	2977.7	3268.3	3710.9	4341.4	4971.8	5146.1	5289.2
15°	1421.8	1788.4	2248.9	2655.8	3062.6	3447.2	4099.9	4864.5	5101.4	5342.9
17.5°	786.9	1077.5	1605.1	2177.4	2776.5	3366.7	4180.4	5061.2	5418.9	5588.8
20°	456.0	572.3	947.9	1627.5	2418.8	3192.3	4220.6	5432.3	5906.2	5991.2
22.5°	375.6	415.8	536.5	1019.4	1980.7	3080.5	4426.3	5950.9	6433.8	6635.0
25°	321.9	353.2	415.8	612.5	1497.8	2843.6	4556.0	6599.2	7046.3	7265.4
27.5°	286.1	317.4	366.6	451.6	1019.4	2517.2	4770.6	7184.9	7632.0	7931.6
30°	250.4	277.2	326.4	384.5	706.4	2150.6	4953.9	7614.1	8244.6	8338.5
32.5°	223.6	245.9	281.7	330.9	523.1	1631.9	5101.4	8056.8	8588.8	8794.5
35°	192.3	219.1	241.4	281.7	397.9	1229.5	5012.0	8401.0	9094.1	9340.0
37.5°	169.9	187.8	210.1	237.0	335.3	961.3	4828.7	8812.4	9527.7	9755.8
40°	143.1	156.5	183.3	210.1	304.0	742.2	4618.6	9308.7	10135.8	10538.2
42.5°	120.7	134.1	152.0	196.7	250.4	549.9	4193.8	9693.2	10627.6	10967.4
45°	93.9	111.8	138.6	196.7	201.2	406.9	3755.7	9979.3	10904.8	11074.7
47.5°	71.5	89.4	134.1	169.9	161.0	281.7	3237.0	10305.7	11191.0	11347.4
50°	53.7	71.5	152.0	147.5	134.1	214.6	2910.6	10533.7	11208.8	11293.8
52.5°	35.8	53.7	125.2	111.8	111.8	187.8	2821.2	10524.8	11253.6	11070.2
55°	26.8	40.2	71.5	80.5	98.4	165.4	2740.7	10860.1	11267.0	11396.6
57.5°	17.9	31.3	49.2	62.6	84.9	143.1	2575.3	11262.5	11682.8	11749.8
60°	8.9	22.4	35.8	49.2	71.5	125.2	2342.8	11557.6	12188.0	12259.5
62.5°	4.5	13.4	26.8	40.2	58.1	98.4	2101.4	11088.1	11968.9	12094.1
65°	0.0	8.9	17.9	26.8	35.8	71.5	1707.9	10010.6	11101.5	11562.1
67.5°	0.0	0.0	8.9	17.9	22.4	53.7	1287.7	9107.5	10301.2	10927.2
70°	0.0	0.0	4.5	4.5	13.4	40.2	822.7	7542.6	9196.9	9541.2
72.5°	0.0	0.0	0.0	0.0	4.5	26.8	478.4	5602.2	7207.3	7846.6
75°	0.0	0.0	0.0	0.0	0.0	22.4	241.4	3603.6	5016.5	5874.9
77.5°	0.0	0.0	0.0	0.0	0.0	17.9	129.7	2324.9	3697.5	4417.4
80°	0.0	0.0	0.0	0.0	0.0	4.5	76.0	1350.2	2365.2	2865.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	31.3	661.7	1412.8	1654.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	8.9	353.2	706.4	930.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	49.2	93.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)