

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: P599514

Luminaire Tested: **IFLD-L-SA8D-740-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P599514
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8D-740-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (128) 4000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

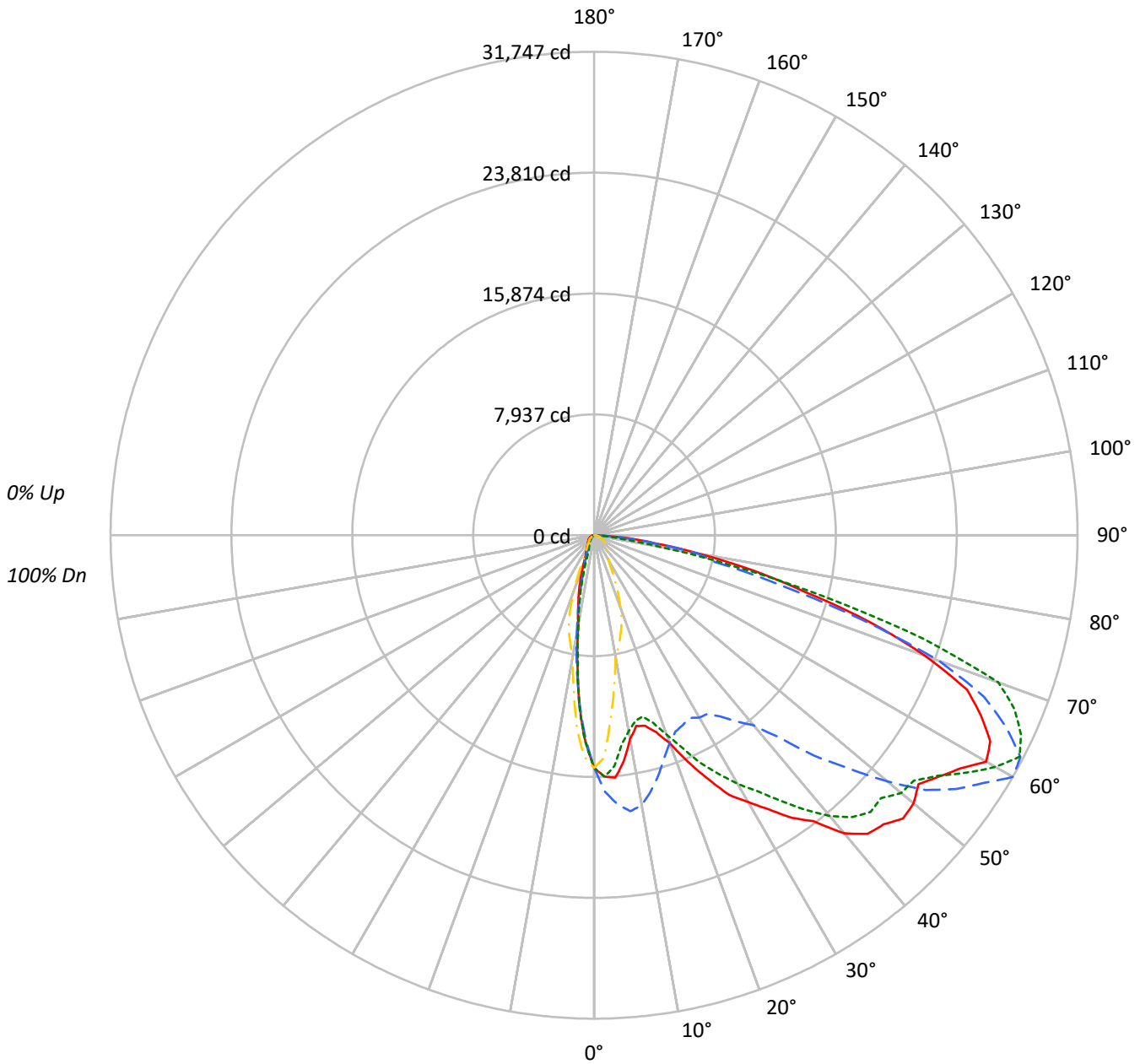
Lumens per Lamp: N/A
 Luminaire Lumens: 40603.2 lumens
 Efficiency: N/A
 Efficacy: 83.2 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 488.3
 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: P599514
CATALOG NUMBER: IFLD-L-SA8D-740-U-SLL-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599514
 CATALOG NUMBER: IFLD-L-SA8D-740-U-SLL-HSS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	82164	82164	82164	82164
5°	86344	82185	60042	60394
10°	74247	71403	32828	32057
15°	72194	68630	21326	16070
20°	83214	79736	11427	5713
25°	104630	97869	7405	4442
30°	125668	117111	5997	3639
35°	148817	139627	4915	2921
40°	179549	169037	4342	2209
45°	204418	195505	4044	1486
50°	229321	220424	3995	908
55°	259332	258417	3968	407
60°	320019	327605	3618	116
65°	357074	393803	3314	0
70°	364099	444461	3072	0
75°	296262	327828	2932	0
80°	215411	137109	3025	0
85°	139267	57583	4020	0

TEST NUMBER: P599514
 CATALOG NUMBER: IFLD-L-SA8D-740-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1159.8	2.9
10°-20°	2274.3	5.6
20°-30°	3147.3	7.8
30°-40°	4447.9	11.0
40°-50°	6055.9	14.9
50°-60°	8020.6	19.8
60°-70°	9312.5	22.9
70°-80°	5273.7	13.0
80°-90°	911.2	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°	6581.3	16.2
0°-40°	11029.2	27.2
0°-60°	25105.7	61.8
0°-90°	40603.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	40603.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	15266	15266	15266	15266	15266	
5°	15982	15212	11114	11179	15982	1435
15°	12957	12317	3828	2884	12957	3800
25°	17619	16481	1247	748	17619	8218
35°	22650	21252	748	445	22650	14279
45°	26857	25686	531	195	26857	20822
55°	27638	27540	423	43	27638	25040
65°	28039	30923	260	0	28039	27333
75°	14247	15765	141	0	14247	15549
85°	2255	932	65	0	2255	2710
90°	0	0	0	0	0	

TEST NUMBER: P599514
 CATALOG NUMBER: IFLD-L-SA8D-740-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5
2.5°	15862.9	16199.0	16209.8	16361.6	16513.4	16513.4	16871.2	16784.5	16470.1	16415.9	16188.2
5°	15982.1	16101.4	16188.2	16958.0	17608.5	17543.5	17738.7	17608.5	17001.4	16220.7	15689.4
7.5°	14952.1	15082.2	15429.2	16741.1	17619.4	17912.1	18280.8	17467.6	16827.9	15418.3	14399.1
10°	13585.9	13835.3	14475.0	15971.3	17055.6	17988.0	17988.0	17337.5	16101.4	14724.4	13477.5
12.5°	12826.9	13325.7	13672.6	15190.6	16600.2	17239.9	17218.2	16871.2	16068.9	14334.1	12924.5
15°	12957.0	13098.0	13835.3	15017.1	15949.6	15917.1	16307.4	16199.0	15635.2	14681.0	13130.5
17.5°	13553.4	13770.2	14410.0	15017.1	15461.7	15331.6	15320.7	15841.2	15873.7	15266.5	13900.3
20°	14529.2	15168.9	15472.5	15656.9	15114.7	14561.7	14496.7	15223.2	15787.0	16014.7	14822.0
22.5°	16090.6	16513.4	17131.5	16188.2	14778.6	14084.7	13954.6	14756.9	15895.4	16903.8	16014.7
25°	17619.4	17944.7	18541.0	17326.6	15158.1	13987.1	13759.4	14453.3	16307.4	18139.8	17456.8
27.5°	19235.0	19516.9	19581.9	18161.5	15364.1	13791.9	13520.9	14453.3	16654.4	18790.4	19180.7
30°	20221.6	20557.8	20622.8	18898.8	15700.2	13954.6	13824.4	14518.4	16892.9	19343.4	20416.8
32.5°	21327.6	21414.3	21360.1	19028.9	16068.9	14431.6	13889.5	14952.1	17164.0	20004.8	21544.4
35°	22650.4	22802.2	22249.2	19625.3	16892.9	14735.2	14540.1	15483.4	17630.2	20308.4	22910.6
37.5°	23658.8	24135.9	22888.9	19853.0	17055.6	15375.0	15407.5	16589.3	17955.5	20677.0	24417.8
40°	25556.2	24753.9	23973.2	20633.7	17673.6	16459.2	16285.7	17727.8	19050.6	20915.6	25404.5
42.5°	26597.1	26174.3	24396.1	20709.6	18627.8	17955.5	17998.9	19018.1	19625.3	21587.8	25675.5
45°	26857.4	26412.8	24970.7	20763.8	19571.1	19722.9	20471.0	20666.2	20471.0	22032.4	26185.1
47.5°	27518.8	26553.8	24905.7	21490.2	21099.9	21685.4	22639.6	23062.4	21620.3	21869.7	26423.7
50°	27388.7	26835.7	24764.7	21793.8	22964.8	24515.4	25155.1	24981.6	22899.8	21533.6	26163.4
52.5°	26846.5	26250.2	25198.4	22617.9	24710.5	26586.3	27475.4	27041.7	24038.3	22292.6	25990.0
55°	27638.0	27182.7	25762.3	23734.7	26022.5	28407.9	29036.8	28711.5	25437.0	22997.4	26976.6
57.5°	28494.6	28397.0	27291.1	25046.6	27573.0	30283.7	30283.7	29882.5	26651.4	24016.6	28440.4
60°	29730.7	29947.5	28418.7	25914.1	28104.3	30175.2	31747.4	31281.2	27876.6	25805.6	30099.3
62.5°	29329.5	30023.4	29871.6	27779.0	28711.5	30706.5	31563.1	31910.1	29394.6	27985.0	32311.3
65°	28039.2	28776.5	29860.8	29004.2	28256.1	29416.3	29850.0	30901.7	30153.6	30034.3	33222.0
67.5°	26499.6	27301.9	27974.2	29828.3	27334.5	28104.3	27724.8	28060.9	29329.5	32278.7	33742.5
70°	23138.3	23908.2	24970.7	27995.9	24894.8	24200.9	24103.3	23940.7	25914.1	31476.4	31378.8
72.5°	19028.9	19386.8	21143.3	22758.8	18421.8	18291.6	18443.4	18259.1	20546.9	28494.6	26879.1
75°	14247.3	14605.1	15602.6	17478.4	12545.0	11796.9	12664.3	13520.9	15689.4	22119.1	19310.9
77.5°	10712.6	11168.0	11796.9	13076.3	9205.5	8034.4	8153.7	8966.9	11341.5	17717.0	10821.0
80°	6950.2	6896.0	8110.3	8999.4	6928.5	7145.3	6841.7	7438.1	8218.8	9476.5	5529.8
82.5°	4011.8	4066.0	4575.6	5161.1	4825.0	5518.9	3979.3	6646.6	5865.9	3860.0	2060.1
85°	2255.3	2352.9	2819.1	3578.1	3025.1	2027.6	1658.9	3296.2	3686.5	1583.0	997.5
87.5°	227.7	195.2	379.5	1355.3	824.0	336.1	498.8	791.5	889.1	596.3	292.8
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: P599514
 CATALOG NUMBER: IFLD-L-SA8D-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5
2.5°	15862.9	15862.9	15591.8	15136.4	14952.1	14626.8	14182.3	14323.2	14171.4	13618.4	13477.5
5°	15212.3	14691.9	14128.0	13434.1	13032.9	12208.9	11948.7	11482.4	11558.3	11092.1	11113.8
7.5°	13857.0	13445.0	12490.8	11580.0	10788.5	10072.9	9064.5	8685.0	8316.4	8132.0	8348.9
10°	13065.5	12295.6	10994.5	9801.8	8750.1	8110.3	7438.1	6917.6	6440.6	6082.8	6006.9
12.5°	12490.8	11807.7	10235.5	8782.6	7958.5	7438.1	6820.1	6104.4	5638.2	5020.2	4835.8
15°	12317.3	11482.4	9823.5	8381.4	7579.0	6722.5	6017.7	5312.9	4705.7	4055.2	3827.5
17.5°	12913.7	11948.7	9812.6	8056.1	6928.5	6006.9	5031.0	4239.5	3621.5	3025.1	2884.2
20°	13922.0	12447.4	10127.1	7861.0	6310.5	5074.4	3968.4	3176.9	2483.0	2092.6	1995.1
22.5°	15071.4	13293.2	10159.6	7340.5	5692.4	4141.9	2895.0	2092.6	1702.3	1518.0	1463.8
25°	16480.9	14648.5	10549.9	6917.6	4966.0	3144.4	2060.1	1604.7	1377.0	1268.6	1246.9
27.5°	17641.1	15591.8	10972.8	6473.1	4250.3	2331.2	1615.6	1312.0	1192.7	1084.3	1073.4
30°	18844.6	16676.1	11092.1	6202.0	3632.3	1919.2	1387.9	1160.2	1030.1	975.8	965.0
32.5°	19896.4	17857.9	11471.6	5757.5	3046.8	1691.5	1257.8	1040.9	954.2	867.4	856.6
35°	21251.7	18541.0	11655.9	5518.9	2829.9	1528.8	1149.3	954.2	824.0	769.8	748.1
37.5°	22704.6	19202.4	11775.2	5334.6	2645.6	1431.2	1084.3	899.9	780.7	704.8	683.1
40°	24060.0	20134.9	11601.7	5106.9	2504.7	1312.0	1040.9	834.9	726.5	650.6	618.0
42.5°	25100.9	21045.7	11547.5	4890.1	2352.9	1268.6	986.7	802.4	683.1	596.3	585.5
45°	25686.4	21663.7	11168.0	4716.6	2233.6	1290.3	965.0	759.0	650.6	574.7	531.3
47.5°	25545.4	22140.8	11265.6	4662.4	2071.0	1203.5	954.2	726.5	596.3	531.3	498.8
50°	26326.1	23105.8	11102.9	4488.9	1951.7	1084.3	1040.9	726.5	585.5	509.6	477.1
52.5°	26456.2	23984.1	11449.9	4174.4	1767.4	997.5	1030.1	715.6	563.8	487.9	444.6
55°	27540.5	25003.3	12122.1	4001.0	1615.6	867.4	943.3	693.9	509.6	444.6	422.9
57.5°	29015.1	27117.6	12555.8	3838.3	1409.6	759.0	791.5	683.1	466.2	412.0	379.5
60°	30435.5	27963.3	12588.4	3545.6	1214.4	683.1	618.0	683.1	433.7	368.7	336.1
62.5°	31498.1	27963.3	12371.5	3296.2	1062.6	607.2	542.1	650.6	390.3	325.3	303.6
65°	30923.4	27215.2	11807.7	3090.2	965.0	531.3	466.2	498.8	347.0	281.9	260.2
67.5°	29893.3	24884.0	10560.8	2840.8	954.2	466.2	401.2	368.7	303.6	249.4	227.7
70°	28245.2	21739.6	8793.4	2558.9	932.5	422.9	357.8	314.4	271.1	216.9	195.2
72.5°	22758.8	17955.5	7221.2	2396.2	910.8	368.7	303.6	271.1	227.7	184.3	162.6
75°	15765.3	11471.6	5562.3	2049.3	889.1	336.1	281.9	238.5	195.2	151.8	141.0
77.5°	9454.8	7665.8	3588.9	1539.7	585.5	271.1	238.5	184.3	162.6	130.1	119.3
80°	4423.8	3621.5	1452.9	596.3	281.9	195.2	162.6	141.0	130.1	108.4	97.6
82.5°	1734.8	1528.8	704.8	347.0	227.7	151.8	130.1	119.3	108.4	86.7	75.9
85°	932.5	824.0	336.1	238.5	162.6	108.4	108.4	97.6	86.7	75.9	65.1
87.5°	206.0	151.8	141.0	141.0	119.3	86.7	86.7	75.9	65.1	54.2	43.4
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: P599514
 CATALOG NUMBER: IFLD-L-SA8D-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5
2.5°	13401.6	13564.2	13304.0	13466.6	13238.9	13412.4	13434.1	13271.5	13314.8	13531.7	13629.3
5°	11417.4	11308.9	11070.4	10994.5	11005.3	10864.4	10918.6	10994.5	11113.8	11178.8	11374.0
7.5°	8229.6	8479.0	8468.2	8652.5	8663.3	8641.6	8489.8	8164.6	8273.0	8186.2	8294.7
10°	5887.6	5996.0	6202.0	6321.3	6538.1	6418.9	6071.9	5941.8	5876.7	5865.9	5974.3
12.5°	4705.7	4445.5	4423.8	4467.2	4575.6	4434.7	4261.2	4109.4	4185.3	4337.1	4456.4
15°	3643.1	3426.3	3144.4	3101.0	3122.7	3057.6	2873.3	2678.1	2732.4	2884.2	2970.9
17.5°	2797.4	2548.0	2352.9	2222.8	2179.4	1951.7	1680.6	1518.0	1474.6	1463.8	1539.7
20°	1886.6	1843.3	1810.7	1648.1	1648.1	1322.8	1095.1	975.8	975.8	997.5	1008.4
22.5°	1409.6	1355.3	1366.2	1333.7	1246.9	986.7	867.4	834.9	834.9	856.6	856.6
25°	1225.2	1149.3	1127.6	1116.8	1030.1	845.7	759.0	726.5	726.5	748.1	748.1
27.5°	1040.9	1019.2	986.7	943.3	867.4	726.5	672.2	639.7	650.6	661.4	650.6
30°	954.2	899.9	856.6	856.6	769.8	650.6	607.2	585.5	563.8	585.5	596.3
32.5°	845.7	813.2	791.5	759.0	661.4	574.7	531.3	509.6	498.8	498.8	509.6
35°	726.5	726.5	704.8	661.4	574.7	520.4	466.2	444.6	433.7	444.6	444.6
37.5°	650.6	618.0	628.9	585.5	509.6	455.4	401.2	379.5	379.5	368.7	379.5
40°	607.2	553.0	520.4	498.8	455.4	390.3	347.0	325.3	314.4	314.4	314.4
42.5°	542.1	498.8	433.7	422.9	412.0	336.1	281.9	271.1	260.2	249.4	249.4
45°	509.6	444.6	390.3	336.1	336.1	281.9	238.5	216.9	206.0	195.2	206.0
47.5°	466.2	401.2	336.1	281.9	271.1	227.7	184.3	162.6	151.8	151.8	151.8
50°	444.6	357.8	292.8	238.5	206.0	184.3	141.0	119.3	108.4	108.4	108.4
52.5°	412.0	336.1	260.2	206.0	162.6	141.0	108.4	86.7	75.9	75.9	75.9
55°	368.7	303.6	227.7	173.5	141.0	108.4	75.9	54.2	43.4	43.4	43.4
57.5°	347.0	271.1	195.2	151.8	108.4	75.9	43.4	32.5	32.5	21.7	32.5
60°	314.4	238.5	162.6	119.3	86.7	54.2	32.5	10.8	10.8	10.8	10.8
62.5°	271.1	206.0	141.0	97.6	65.1	32.5	10.8	0.0	0.0	0.0	0.0
65°	227.7	162.6	108.4	75.9	43.4	10.8	0.0	0.0	0.0	0.0	0.0
67.5°	195.2	141.0	86.7	54.2	32.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	173.5	119.3	65.1	43.4	10.8	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	141.0	97.6	54.2	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	119.3	75.9	32.5	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	97.6	54.2	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	75.9	43.4	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	65.1	32.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	43.4	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	32.5	10.8	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: P599514
 CATALOG NUMBER: IFLD-L-SA8D-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5	15266.5
2.5°	13770.2	13705.2	14030.5	14561.7	14832.8	15364.1	15494.2	15830.3	15743.6	15862.9
5°	11395.7	11525.8	12002.9	12783.5	13065.5	13835.3	14561.7	15288.2	15754.4	15982.1
7.5°	8457.3	8891.0	9476.5	10192.1	10918.6	11927.0	13163.0	14008.8	14464.2	14952.1
10°	6299.6	6765.8	7438.1	8142.9	9324.7	10452.4	11688.4	12740.2	13130.5	13585.9
12.5°	4955.1	5681.6	6462.3	7221.2	7926.0	8999.4	10528.3	12057.1	12480.0	12826.9
15°	3448.0	4337.1	5453.9	6440.6	7427.3	8359.7	9942.8	11796.9	12371.5	12957.0
17.5°	1908.3	2613.1	3892.5	5280.4	6733.3	8164.6	10137.9	12273.9	13141.4	13553.4
20°	1106.0	1387.9	2298.7	3946.7	5865.9	7741.7	10235.5	13173.9	14323.2	14529.2
22.5°	910.8	1008.4	1301.1	2472.1	4803.3	7470.6	10734.3	14431.6	15602.6	16090.6
25°	780.7	856.6	1008.4	1485.5	3632.3	6896.0	11048.7	16003.8	17088.1	17619.4
27.5°	693.9	769.8	889.1	1095.1	2472.1	6104.4	11569.2	17424.2	18508.5	19235.0
30°	607.2	672.2	791.5	932.5	1713.1	5215.3	12013.7	18465.1	19993.9	20221.6
32.5°	542.1	596.3	683.1	802.4	1268.6	3957.6	12371.5	19538.5	20828.8	21327.6
35°	466.2	531.3	585.5	683.1	965.0	2981.7	12154.7	20373.4	22054.1	22650.4
37.5°	412.0	455.4	509.6	574.7	813.2	2331.2	11710.1	21371.0	23105.8	23658.8
40°	347.0	379.5	444.6	509.6	737.3	1799.9	11200.5	22574.5	24580.4	25556.2
42.5°	292.8	325.3	368.7	477.1	607.2	1333.7	10170.5	23507.0	25773.1	26597.1
45°	227.7	271.1	336.1	477.1	487.9	986.7	9107.9	24200.9	26445.4	26857.4
47.5°	173.5	216.9	325.3	412.0	390.3	683.1	7850.1	24992.4	27139.3	27518.8
50°	130.1	173.5	368.7	357.8	325.3	520.4	7058.6	25545.4	27182.7	27388.7
52.5°	86.7	130.1	303.6	271.1	271.1	455.4	6841.7	25523.7	27291.1	26846.5
55°	65.1	97.6	173.5	195.2	238.5	401.2	6646.6	26336.9	27323.6	27638.0
57.5°	43.4	75.9	119.3	151.8	206.0	347.0	6245.4	27312.8	28332.0	28494.6
60°	21.7	54.2	86.7	119.3	173.5	303.6	5681.6	28028.4	29557.2	29730.7
62.5°	10.8	32.5	65.1	97.6	141.0	238.5	5096.1	26889.9	29025.9	29329.5
65°	0.0	21.7	43.4	65.1	86.7	173.5	4141.9	24276.8	26922.4	28039.2
67.5°	0.0	0.0	21.7	43.4	54.2	130.1	3122.7	22086.6	24981.6	26499.6
70°	0.0	0.0	10.8	10.8	32.5	97.6	1995.1	18291.6	22303.4	23138.3
72.5°	0.0	0.0	0.0	0.0	10.8	65.1	1160.2	13585.9	17478.4	19028.9
75°	0.0	0.0	0.0	0.0	0.0	54.2	585.5	8739.2	12165.5	14247.3
77.5°	0.0	0.0	0.0	0.0	0.0	43.4	314.4	5638.2	8966.9	10712.6
80°	0.0	0.0	0.0	0.0	0.0	10.8	184.3	3274.5	5735.8	6950.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	75.9	1604.7	3426.3	4011.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	21.7	856.6	1713.1	2255.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5	119.3	227.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)