

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: P599565

Luminaire Tested: **IFLD-L-SA7B-760-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: P599565
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7B-760-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (112) 5700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

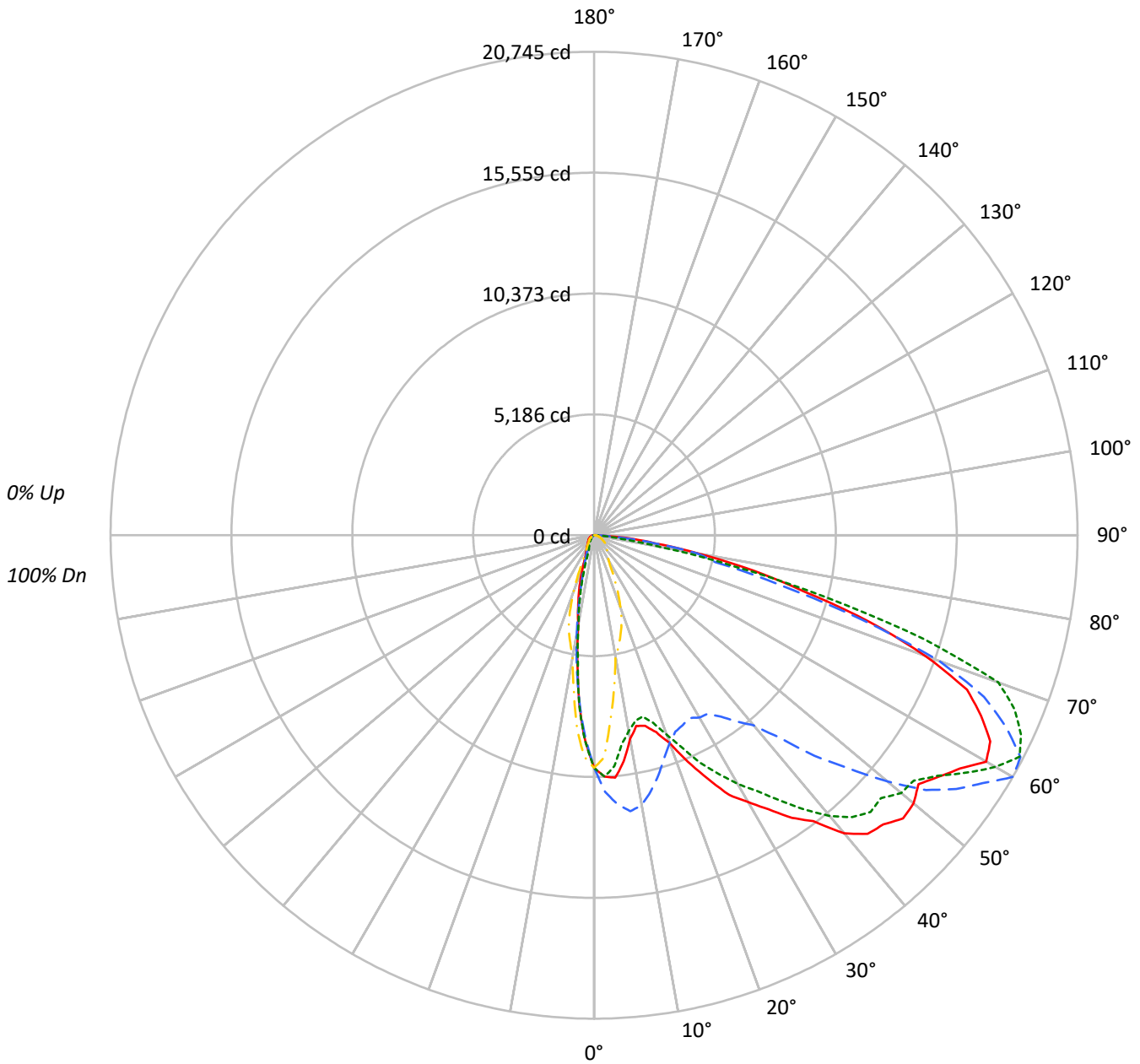
Lumens per Lamp: N/A
 Luminaire Lumens: 26531.7 lumens
 Efficiency: N/A
 Efficacy: 94.4 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 281
 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: P599565
CATALOG NUMBER: IFLD-L-SA7B-760-U-SLL-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599565
 CATALOG NUMBER: IFLD-L-SA7B-760-U-SLL-HSS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	53689	53689	53689	53689
5°	56420	53703	39234	39464
10°	48515	46657	21451	20947
15°	47174	44845	13935	10501
20°	54375	52103	7466	3733
25°	68369	63951	4839	2903
30°	82117	76525	3919	2378
35°	97242	91238	3212	1909
40°	117324	110455	2837	1444
45°	133574	127750	2643	970
50°	149847	144033	2610	594
55°	169457	168859	2593	266
60°	209112	214070	2364	76
65°	233326	257326	2165	0
70°	237916	290428	2006	0
75°	193589	214214	1915	0
80°	140757	89593	1977	0
85°	91003	37625	2624	0

TEST NUMBER: P599565
 CATALOG NUMBER: IFLD-L-SA7B-760-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	757.8	2.9
10°-20°	1486.1	5.6
20°-30°	2056.5	7.8
30°-40°	2906.4	11.0
40°-50°	3957.1	14.9
50°-60°	5241.0	19.8
60°-70°	6085.2	22.9
70°-80°	3446.1	13.0
80°-90°	595.4	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°	4300.5	16.2
0°-40°	7206.9	27.2
0°-60°	16405.0	61.8
0°-90°	26531.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26531.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9976	9976	9976	9976	9976	
5°	10443	9940	7262	7305	10443	938
15°	8467	8049	2501	1885	8467	2483
25°	11513	10769	815	489	11513	5370
35°	14801	13887	489	290	14801	9330
45°	17550	16784	347	128	17550	13606
55°	18060	17996	276	28	18060	16362
65°	18322	20206	170	0	18322	17861
75°	9310	10302	92	0	9310	10161
85°	1474	609	42	0	1474	1771
90°	0	0	0	0	0	

TEST NUMBER: P599565
 CATALOG NUMBER: IFLD-L-SA7B-760-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7
2.5°	10365.4	10585.0	10592.1	10691.3	10790.5	10790.5	11024.3	10967.6	10762.2	10726.7	10577.9
5°	10443.3	10521.3	10577.9	11081.0	11506.1	11463.6	11591.1	11506.1	11109.3	10599.2	10252.0
7.5°	9770.3	9855.3	10082.0	10939.3	11513.2	11704.5	11945.4	11414.0	10996.0	10074.9	9408.9
10°	8877.5	9040.5	9458.5	10436.2	11144.7	11754.1	11754.1	11329.0	10521.3	9621.5	8806.7
12.5°	8381.6	8707.5	8934.2	9926.1	10847.2	11265.2	11251.0	11024.3	10500.0	9366.4	8445.4
15°	8466.6	8558.7	9040.5	9812.8	10422.1	10400.8	10655.9	10585.0	10216.6	9593.1	8580.0
17.5°	8856.3	8998.0	9416.0	9812.8	10103.2	10018.2	10011.1	10351.2	10372.5	9975.7	9083.0
20°	9493.9	9912.0	10110.3	10230.8	9876.5	9515.2	9472.7	9947.4	10315.8	10464.6	9685.2
22.5°	10514.2	10790.5	11194.3	10577.9	9656.9	9203.4	9118.4	9642.7	10386.6	11045.6	10464.6
25°	11513.2	11725.7	12115.4	11321.9	9904.9	9139.7	8990.9	9444.3	10655.9	11853.2	11406.9
27.5°	12568.8	12753.0	12795.6	11867.4	10039.5	9012.2	8835.0	9444.3	10882.6	12278.4	12533.4
30°	13213.6	13433.2	13475.7	12349.2	10259.1	9118.4	9033.4	9486.9	11038.5	12639.7	13341.1
32.5°	13936.2	13992.9	13957.5	12434.2	10500.0	9430.2	9075.9	9770.3	11215.6	13071.9	14077.9
35°	14800.6	14899.8	14538.5	12823.9	11038.5	9628.6	9501.0	10117.4	11520.3	13270.3	14970.7
37.5°	15459.5	15771.3	14956.5	12972.7	11144.7	10046.6	10067.8	10840.1	11732.8	13511.1	15955.5
40°	16699.4	16175.1	15665.0	13482.8	11548.6	10755.1	10641.7	11584.0	12448.4	13667.0	16600.2
42.5°	17379.6	17103.3	15941.3	13532.4	12172.1	11732.8	11761.1	12427.1	12823.9	14106.3	16777.3
45°	17549.6	17259.1	16316.8	13567.8	12788.5	12887.7	13376.5	13504.1	13376.5	14396.8	17110.3
47.5°	17981.8	17351.2	16274.3	14042.5	13787.5	14170.1	14793.5	15069.9	14127.5	14290.5	17266.2
50°	17896.8	17535.4	16182.2	14240.9	15006.1	16019.2	16437.3	16323.9	14963.6	14070.9	17096.2
52.5°	17542.5	17152.9	16465.6	14779.4	16146.8	17372.5	17953.5	17670.1	15707.5	14566.8	16982.8
55°	18059.7	17762.2	16834.0	15509.1	17004.1	18562.8	18973.7	18761.2	16621.5	15027.3	17627.5
57.5°	18619.5	18555.7	17833.0	16366.4	18017.2	19788.5	19788.5	19526.3	17415.0	15693.3	18584.0
60°	19427.1	19568.8	18569.9	16933.2	18364.4	19717.6	20745.0	20440.3	18215.6	16862.4	19668.0
62.5°	19165.0	19618.4	19519.2	18151.8	18761.2	20064.8	20624.5	20851.2	19207.5	18286.5	21113.4
65°	18321.9	18803.7	19512.2	18952.4	18463.6	19221.7	19505.1	20192.3	19703.5	19625.5	21708.5
67.5°	17315.8	17840.1	18279.4	19490.9	17861.4	18364.4	18116.4	18336.0	19165.0	21092.1	22048.6
70°	15119.4	15622.5	16316.8	18293.5	16267.2	15813.8	15750.0	15643.7	16933.2	20567.8	20504.1
72.5°	12434.2	12668.0	13815.8	14871.5	12037.5	11952.4	12051.6	11931.2	13426.1	18619.5	17563.8
75°	9309.7	9543.5	10195.4	11421.1	8197.4	7708.5	8275.3	8835.0	10252.0	14453.5	12618.4
77.5°	7000.0	7297.6	7708.5	8544.5	6015.2	5250.0	5327.9	5859.3	7410.9	11576.9	7070.9
80°	4541.5	4506.1	5299.6	5880.6	4527.3	4669.0	4470.7	4860.3	5370.5	6192.3	3613.4
82.5°	2621.5	2656.9	2989.9	3372.5	3152.8	3606.3	2600.2	4343.1	3833.0	2522.3	1346.2
85°	1473.7	1537.5	1842.1	2338.1	1976.7	1324.9	1084.0	2153.8	2408.9	1034.4	651.8
87.5°	148.8	127.5	248.0	885.6	538.5	219.6	325.9	517.2	581.0	389.7	191.3
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: P599565
 CATALOG NUMBER: IFLD-L-SA7B-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7
2.5°	10365.4	10365.4	10188.3	9890.7	9770.3	9557.7	9267.2	9359.3	9260.1	8898.8	8806.7
5°	9940.3	9600.2	9231.8	8778.3	8516.2	7977.7	7807.7	7503.0	7552.6	7248.0	7262.2
7.5°	9054.7	8785.4	8162.0	7566.8	7049.6	6582.0	5923.1	5675.1	5434.2	5313.8	5455.5
10°	8537.5	8034.4	7184.2	6404.9	5717.6	5299.6	4860.3	4520.2	4208.5	3974.7	3925.1
12.5°	8162.0	7715.6	6688.3	5738.9	5200.4	4860.3	4456.5	3988.9	3684.2	3280.4	3159.9
15°	8048.6	7503.0	6419.0	5476.7	4952.4	4392.7	3932.2	3471.7	3074.9	2649.8	2501.0
17.5°	8438.3	7807.7	6411.9	5264.2	4527.3	3925.1	3287.5	2770.2	2366.4	1976.7	1884.6
20°	9097.2	8133.6	6617.4	5136.6	4123.5	3315.8	2593.1	2075.9	1622.5	1367.4	1303.6
22.5°	9848.2	8686.2	6638.7	4796.6	3719.6	2706.5	1891.7	1367.4	1112.3	991.9	956.5
25°	10769.2	9571.9	6893.7	4520.2	3244.9	2054.7	1346.2	1048.6	899.8	828.9	814.8
27.5°	11527.3	10188.3	7170.0	4229.8	2777.3	1523.3	1055.7	857.3	779.4	708.5	701.4
30°	12313.8	10896.8	7248.0	4052.6	2373.5	1254.0	906.9	758.1	673.1	637.7	630.6
32.5°	13001.0	11669.0	7496.0	3762.1	1990.9	1105.3	821.9	680.2	623.5	566.8	559.7
35°	13886.7	12115.4	7616.4	3606.3	1849.2	999.0	751.0	623.5	538.5	503.0	488.9
37.5°	14836.0	12547.6	7694.3	3485.8	1728.7	935.2	708.5	588.1	510.1	460.5	446.4
40°	15721.7	13156.9	7581.0	3337.0	1636.6	857.3	680.2	545.5	474.7	425.1	403.8
42.5°	16401.8	13752.0	7545.6	3195.3	1537.5	828.9	644.7	524.3	446.4	389.7	382.6
45°	16784.4	14155.9	7297.6	3082.0	1459.5	843.1	630.6	496.0	425.1	375.5	347.2
47.5°	16692.3	14467.6	7361.3	3046.6	1353.2	786.4	623.5	474.7	389.7	347.2	325.9
50°	17202.4	15098.2	7255.1	2933.2	1275.3	708.5	680.2	474.7	382.6	333.0	311.7
52.5°	17287.5	15672.1	7481.8	2727.7	1154.9	651.8	673.1	467.6	368.4	318.8	290.5
55°	17996.0	16338.1	7921.1	2614.4	1055.7	566.8	616.4	453.4	333.0	290.5	276.3
57.5°	18959.5	17719.7	8204.5	2508.1	921.1	496.0	517.2	446.4	304.7	269.2	248.0
60°	19887.7	18272.3	8225.7	2316.8	793.5	446.4	403.8	446.4	283.4	240.9	219.6
62.5°	20582.0	18272.3	8084.0	2153.8	694.3	396.8	354.3	425.1	255.1	212.6	198.4
65°	20206.5	17783.4	7715.6	2019.2	630.6	347.2	304.7	325.9	226.7	184.2	170.0
67.5°	19533.4	16260.1	6900.8	1856.3	623.5	304.7	262.1	240.9	198.4	163.0	148.8
70°	18456.5	14205.5	5746.0	1672.1	609.3	276.3	233.8	205.5	177.1	141.7	127.5
72.5°	14871.5	11732.8	4718.6	1565.8	595.1	240.9	198.4	177.1	148.8	120.4	106.3
75°	10301.6	7496.0	3634.6	1339.1	581.0	219.6	184.2	155.9	127.5	99.2	92.1
77.5°	6178.1	5009.1	2345.1	1006.1	382.6	177.1	155.9	120.4	106.3	85.0	77.9
80°	2890.7	2366.4	949.4	389.7	184.2	127.5	106.3	92.1	85.0	70.9	63.8
82.5°	1133.6	999.0	460.5	226.7	148.8	99.2	85.0	77.9	70.9	56.7	49.6
85°	609.3	538.5	219.6	155.9	106.3	70.9	70.9	63.8	56.7	49.6	42.5
87.5°	134.6	99.2	92.1	92.1	77.9	56.7	56.7	49.6	42.5	35.4	28.3
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: P599565
 CATALOG NUMBER: IFLD-L-SA7B-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7
2.5°	8757.1	8863.4	8693.3	8799.6	8650.8	8764.2	8778.3	8672.1	8700.4	8842.1	8905.9
5°	7460.5	7389.7	7233.8	7184.2	7191.3	7099.2	7134.6	7184.2	7262.2	7304.7	7432.2
7.5°	5377.5	5540.5	5533.4	5653.9	5660.9	5646.8	5547.6	5335.0	5405.9	5349.2	5420.0
10°	3847.2	3918.0	4052.6	4130.6	4272.3	4194.3	3967.6	3882.6	3840.1	3833.0	3903.8
12.5°	3074.9	2904.9	2890.7	2919.0	2989.9	2897.8	2784.4	2685.2	2734.8	2834.0	2911.9
15°	2380.6	2238.9	2054.7	2026.3	2040.5	1998.0	1877.5	1750.0	1785.4	1884.6	1941.3
17.5°	1827.9	1665.0	1537.5	1452.4	1424.1	1275.3	1098.2	991.9	963.6	956.5	1006.1
20°	1232.8	1204.5	1183.2	1076.9	1076.9	864.4	715.6	637.7	637.7	651.8	658.9
22.5°	921.1	885.6	892.7	871.5	814.8	644.7	566.8	545.5	545.5	559.7	559.7
25°	800.6	751.0	736.8	729.8	673.1	552.6	496.0	474.7	474.7	488.9	488.9
27.5°	680.2	666.0	644.7	616.4	566.8	474.7	439.3	418.0	425.1	432.2	425.1
30°	623.5	588.1	559.7	559.7	503.0	425.1	396.8	382.6	368.4	382.6	389.7
32.5°	552.6	531.4	517.2	496.0	432.2	375.5	347.2	333.0	325.9	325.9	333.0
35°	474.7	474.7	460.5	432.2	375.5	340.1	304.7	290.5	283.4	290.5	290.5
37.5°	425.1	403.8	410.9	382.6	333.0	297.6	262.1	248.0	248.0	240.9	248.0
40°	396.8	361.3	340.1	325.9	297.6	255.1	226.7	212.6	205.5	205.5	205.5
42.5°	354.3	325.9	283.4	276.3	269.2	219.6	184.2	177.1	170.0	163.0	163.0
45°	333.0	290.5	255.1	219.6	219.6	184.2	155.9	141.7	134.6	127.5	134.6
47.5°	304.7	262.1	219.6	184.2	177.1	148.8	120.4	106.3	99.2	99.2	99.2
50°	290.5	233.8	191.3	155.9	134.6	120.4	92.1	77.9	70.9	70.9	70.9
52.5°	269.2	219.6	170.0	134.6	106.3	92.1	70.9	56.7	49.6	49.6	49.6
55°	240.9	198.4	148.8	113.4	92.1	70.9	49.6	35.4	28.3	28.3	28.3
57.5°	226.7	177.1	127.5	99.2	70.9	49.6	28.3	21.3	21.3	14.2	21.3
60°	205.5	155.9	106.3	77.9	56.7	35.4	21.3	7.1	7.1	7.1	7.1
62.5°	177.1	134.6	92.1	63.8	42.5	21.3	7.1	0.0	0.0	0.0	0.0
65°	148.8	106.3	70.9	49.6	28.3	7.1	0.0	0.0	0.0	0.0	0.0
67.5°	127.5	92.1	56.7	35.4	21.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	113.4	77.9	42.5	28.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	92.1	63.8	35.4	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	77.9	49.6	21.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	63.8	35.4	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	49.6	28.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	42.5	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	28.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.3	7.1	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: P599565
 CATALOG NUMBER: IFLD-L-SA7B-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7	9975.7
2.5°	8998.0	8955.5	9168.0	9515.2	9692.3	10039.5	10124.5	10344.1	10287.5	10365.4
5°	7446.4	7531.4	7843.1	8353.2	8537.5	9040.5	9515.2	9989.9	10294.5	10443.3
7.5°	5526.3	5809.7	6192.3	6659.9	7134.6	7793.5	8601.2	9153.9	9451.4	9770.3
10°	4116.4	4421.1	4860.3	5320.9	6093.1	6830.0	7637.7	8324.9	8580.0	8877.5
12.5°	3237.9	3712.6	4222.7	4718.6	5179.2	5880.6	6879.6	7878.5	8154.9	8381.6
15°	2253.0	2834.0	3563.8	4208.5	4853.2	5462.6	6497.0	7708.5	8084.0	8466.6
17.5°	1247.0	1707.5	2543.5	3450.4	4399.8	5335.0	6624.5	8020.3	8587.1	8856.3
20°	722.7	906.9	1502.0	2578.9	3833.0	5058.7	6688.3	8608.3	9359.3	9493.9
22.5°	595.1	658.9	850.2	1615.4	3138.7	4881.6	7014.2	9430.2	10195.4	10514.2
25°	510.1	559.7	658.9	970.6	2373.5	4506.1	7219.6	10457.5	11166.0	11513.2
27.5°	453.4	503.0	581.0	715.6	1615.4	3988.9	7559.7	11385.6	12094.1	12568.8
30°	396.8	439.3	517.2	609.3	1119.4	3407.9	7850.2	12065.8	13064.8	13213.6
32.5°	354.3	389.7	446.4	524.3	828.9	2586.0	8084.0	12767.2	13610.3	13936.2
35°	304.7	347.2	382.6	446.4	630.6	1948.4	7942.3	13312.8	14410.9	14800.6
37.5°	269.2	297.6	333.0	375.5	531.4	1523.3	7651.8	13964.6	15098.2	15459.5
40°	226.7	248.0	290.5	333.0	481.8	1176.1	7318.8	14751.0	16061.8	16699.4
42.5°	191.3	212.6	240.9	311.7	396.8	871.5	6645.8	15360.3	16841.1	17379.6
45°	148.8	177.1	219.6	311.7	318.8	644.7	5951.4	15813.8	17280.4	17549.6
47.5°	113.4	141.7	212.6	269.2	255.1	446.4	5129.6	16331.0	17733.8	17981.8
50°	85.0	113.4	240.9	233.8	212.6	340.1	4612.4	16692.3	17762.2	17896.8
52.5°	56.7	85.0	198.4	177.1	177.1	297.6	4470.7	16678.2	17833.0	17542.5
55°	42.5	63.8	113.4	127.5	155.9	262.1	4343.1	17209.5	17854.3	18059.7
57.5°	28.3	49.6	77.9	99.2	134.6	226.7	4081.0	17847.2	18513.2	18619.5
60°	14.2	35.4	56.7	77.9	113.4	198.4	3712.6	18314.8	19313.8	19427.1
62.5°	7.1	21.3	42.5	63.8	92.1	155.9	3330.0	17570.9	18966.6	19165.0
65°	0.0	14.2	28.3	42.5	56.7	113.4	2706.5	15863.4	17592.1	18321.9
67.5°	0.0	0.0	14.2	28.3	35.4	85.0	2040.5	14432.2	16323.9	17315.8
70°	0.0	0.0	7.1	7.1	21.3	63.8	1303.6	11952.4	14573.9	15119.4
72.5°	0.0	0.0	0.0	0.0	7.1	42.5	758.1	8877.5	11421.1	12434.2
75°	0.0	0.0	0.0	0.0	0.0	35.4	382.6	5710.5	7949.4	9309.7
77.5°	0.0	0.0	0.0	0.0	0.0	28.3	205.5	3684.2	5859.3	7000.0
80°	0.0	0.0	0.0	0.0	0.0	7.1	120.4	2139.7	3748.0	4541.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	49.6	1048.6	2238.9	2621.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	14.2	559.7	1119.4	1473.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	77.9	148.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)