

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: P598741

Luminaire Tested: **IFLD-S-SA3E-750-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598741  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3E-750-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (48) 5000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

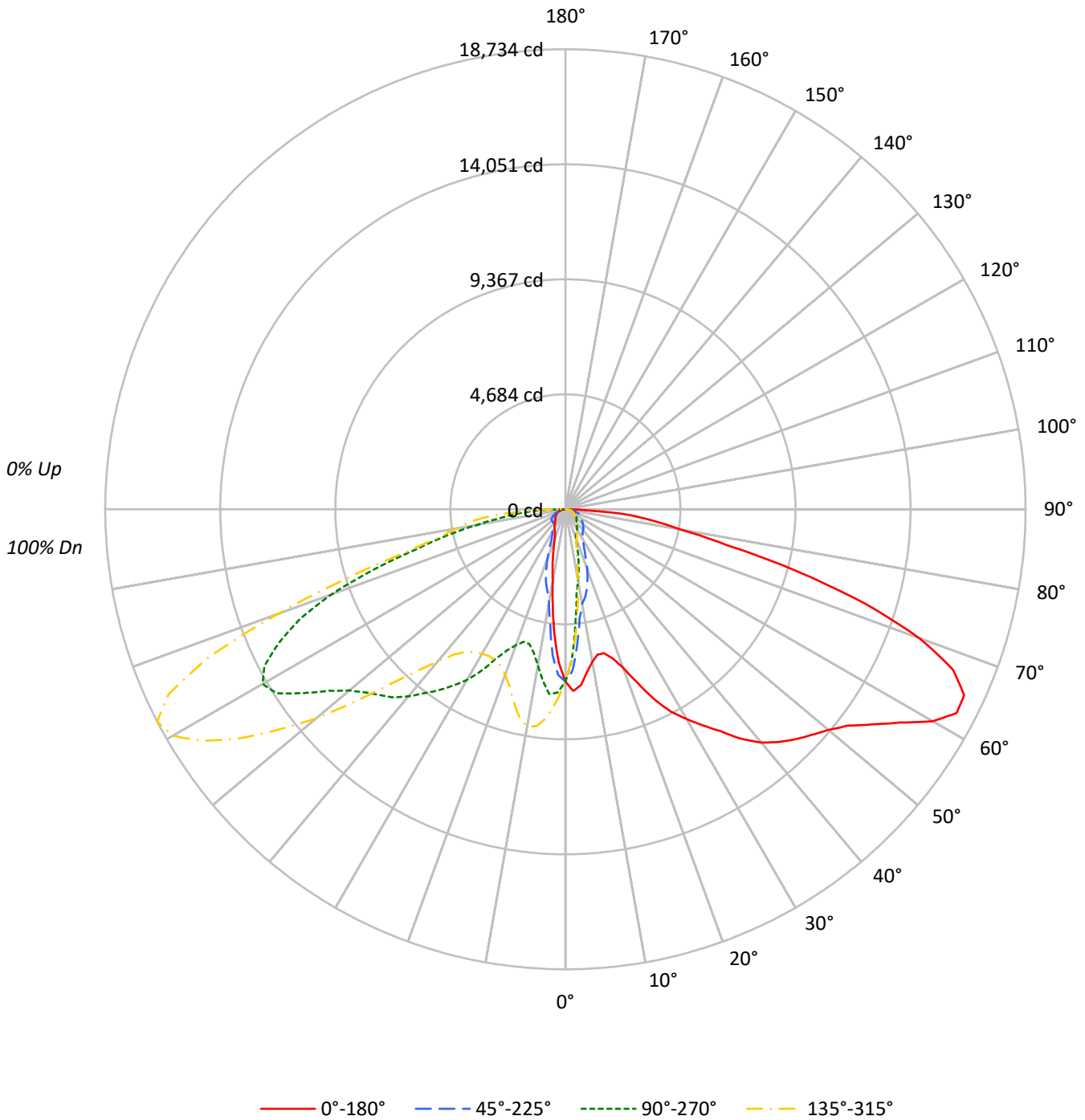
Lumens per Lamp: N/A  
 Luminaire Lumens: 23468.3 lumens  
 Efficiency: N/A  
 Efficacy: 101.1 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 232.1  
 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



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**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	102	102	102	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	85	82	79	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	70	65	61	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	59	53	48	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	51	44	39	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	45	38	32	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	40	33	27	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	36	29	23	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	32	26	20	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	30	23	18	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	28	21	16	14

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

	0°	90°	180°	270°
0°	100612	100612	100612	100612
5°	103544	67331	73555	108776
10°	91863	42783	43213	94009
15°	90156	30345	28739	84322
20°	104820	19195	19345	89825
25°	134803	16482	16014	106193
30°	163365	15621	14645	132937
35°	193355	13762	13245	157575
40°	232330	13060	12140	186157
45°	268833	12953	11758	217020
50°	312175	13153	11838	256274
55°	382027	13512	12038	326504
60°	495456	13528	12681	408369
65°	608180	13672	13003	437130
70°	643552	14418	13596	425601
75°	541727	15244	13613	347359
80°	393576	17852	13794	300256
85°	417141	25870	11313	312049

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	542.6	2.3
10°-20°	1135.5	4.8
20°-30°	1636.3	7.0
30°-40°	2355.7	10.0
40°-50°	3346.1	14.3
50°-60°	4810.7	20.5
60°-70°	5557.9	23.7
70°-80°	3147.0	13.4
80°-90°	936.6	4.0
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°	3314.4	14.1
0°-40°	5670.0	24.2
0°-60°	13826.8	58.9
0°-90°	23468.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23468.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7010	7010	7010	7010	7010	
5°	7187	4674	5106	7550	7187	652
15°	6068	2042	1934	5675	6068	1784
25°	8513	1041	1011	6706	8513	3951
35°	11036	786	756	8994	11036	7004
45°	13245	638	579	10692	13245	10256
55°	15268	540	481	13049	15268	13827
65°	17909	403	383	12872	17909	17173
75°	9769	275	246	6264	9769	10366
85°	2533	157	69	1895	2533	2523
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4
2.5°	7403.2	7393.3	7334.4	7147.9	6951.5	6765.0	6588.2	6401.7	6303.5	6185.7	6136.6
5°	7187.2	7167.5	7000.6	6588.2	6224.9	5832.2	5498.4	5233.3	5017.3	4801.3	4722.7
7.5°	6696.2	6666.8	6470.4	5900.9	5370.7	4860.2	4457.6	4114.0	3829.2	3701.6	3554.3
10°	6303.5	6254.4	5999.1	5370.7	4683.4	4172.9	3907.8	3672.1	3426.7	3220.5	3004.5
12.5°	6058.0	5999.1	5734.0	4997.6	4330.0	3947.0	3672.1	3407.0	3102.7	2847.4	2611.7
15°	6067.8	5999.1	5675.1	4899.4	4241.6	3750.7	3367.8	3004.5	2651.0	2366.3	2101.2
17.5°	6352.6	6264.2	5920.6	5036.9	4172.9	3495.4	2984.8	2513.5	2111.0	1806.6	1590.6
20°	6863.1	6804.2	6411.5	5243.1	4104.1	3220.5	2592.1	2022.6	1600.4	1364.8	1276.4
22.5°	7629.0	7560.3	7138.1	5557.3	4084.5	2975.0	2169.9	1590.6	1286.2	1188.0	1138.9
25°	8512.7	8385.0	7992.3	6087.5	4123.8	2749.2	1826.2	1315.7	1148.8	1080.0	1050.6
27.5°	9278.5	9200.0	8758.1	6588.2	4143.4	2572.5	1590.6	1197.9	1070.2	1011.3	991.7
30°	9857.8	9828.3	9396.3	7138.1	4094.3	2356.4	1443.3	1148.8	1070.2	1011.3	952.4
32.5°	10437.1	10446.9	9985.4	7560.3	4025.6	2169.9	1305.9	1021.1	942.6	903.3	913.1
35°	11036.0	11085.1	10692.4	7972.6	3878.3	2101.2	1207.7	952.4	883.7	824.8	795.3
37.5°	11792.0	11919.7	11536.8	8434.1	3731.0	2042.3	1158.6	903.3	834.6	785.5	746.2
40°	12400.8	12636.4	12410.6	8866.1	3632.9	1973.5	1119.3	854.2	805.1	746.2	716.8
42.5°	12852.4	13127.4	13048.8	9200.0	3632.9	1904.8	1080.0	824.8	785.5	716.8	677.5
45°	13245.2	13529.9	13520.1	9543.6	3711.4	1865.5	1030.9	824.8	765.8	697.1	657.8
47.5°	13598.7	13883.4	13981.6	9975.6	3839.0	1845.9	972.0	805.1	765.8	687.3	628.4
50°	13981.6	14295.8	14590.3	10662.9	3996.1	1796.8	932.8	775.7	775.7	677.5	608.7
52.5°	14472.5	14826.0	15366.0	11517.1	4153.2	1708.4	873.8	756.0	775.7	667.7	589.1
55°	15267.8	15562.4	16269.3	12538.3	4349.6	1600.4	824.8	706.9	736.4	638.2	559.7
57.5°	16161.3	16416.6	17005.7	13323.7	4408.5	1463.0	756.0	657.8	706.9	608.7	520.4
60°	17261.0	17388.6	17388.6	13549.6	4212.1	1335.3	706.9	618.6	638.2	579.3	490.9
62.5°	17958.1	17958.1	17388.6	13137.2	3839.0	1227.3	667.7	579.3	559.7	540.0	461.5
65°	17909.0	17830.4	16986.0	11939.3	3407.0	1158.6	628.4	530.2	500.7	490.9	432.0
67.5°	17084.2	16946.8	15798.0	10250.5	2955.4	1129.1	589.1	481.1	461.5	441.8	392.7
70°	15336.5	14983.1	13569.2	8247.6	2513.5	1109.5	579.3	441.8	422.2	402.6	363.3
72.5°	12803.4	12351.7	10594.2	6342.8	2111.0	1040.8	549.8	392.7	382.9	363.3	324.0
75°	9769.4	8934.9	7393.3	4850.3	1639.7	903.3	471.3	343.6	343.6	333.8	294.6
77.5°	6735.5	6303.5	5154.7	3583.8	1197.9	697.1	382.9	304.4	304.4	314.2	274.9
80°	4762.0	4359.4	3672.1	2572.5	756.0	471.3	294.6	255.3	284.7	304.4	255.3
82.5°	3642.7	3348.1	2729.5	1875.3	441.8	324.0	225.8	206.2	245.5	265.1	216.0
85°	2533.2	2179.7	1384.4	1256.8	255.3	196.4	166.9	166.9	216.0	265.1	196.4
87.5°	716.8	304.4	88.4	373.1	108.0	78.5	58.9	39.3	58.9	58.9	39.3
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4
2.5°	6087.5	6028.6	6028.6	6008.9	6018.8	6028.6	6018.8	6087.5	6116.9	6156.2	6234.8
5°	4673.6	4752.2	4693.3	4752.2	4830.7	4948.5	4978.0	5066.4	5076.2	5144.9	5105.6
7.5°	3465.9	3456.1	3407.0	3475.8	3691.8	3858.7	3937.2	3986.3	3996.1	3996.1	3947.0
10°	2935.7	2847.4	2759.0	2709.9	2729.5	2906.3	2965.2	2994.6	2975.0	3004.5	2965.2
12.5°	2513.5	2435.0	2307.4	2219.0	2160.1	2209.2	2268.1	2297.5	2317.2	2366.3	2405.5
15°	2042.3	1963.7	1885.2	1836.1	1787.0	1747.7	1796.8	1826.2	1875.3	1914.6	1934.2
17.5°	1551.3	1512.1	1472.8	1502.2	1502.2	1482.6	1502.2	1512.1	1531.7	1561.1	1551.3
20°	1256.8	1247.0	1237.1	1286.2	1325.5	1325.5	1345.1	1315.7	1305.9	1276.4	1266.6
22.5°	1119.3	1119.3	1129.1	1168.4	1207.7	1227.3	1227.3	1178.2	1129.1	1109.5	1119.3
25°	1040.8	1040.8	1070.2	1080.0	1099.7	1099.7	1109.5	1060.4	1030.9	1001.5	1011.3
27.5°	981.9	981.9	991.7	991.7	1001.5	1001.5	1011.3	991.7	952.4	942.6	942.6
30°	942.6	942.6	932.8	932.8	932.8	932.8	942.6	913.1	893.5	883.7	883.7
32.5°	903.3	893.5	883.7	883.7	873.8	873.8	883.7	854.2	844.4	844.4	844.4
35°	785.5	775.7	785.5	805.1	805.1	814.9	814.9	805.1	785.5	765.8	756.0
37.5°	736.4	726.6	726.6	726.6	746.2	756.0	765.8	746.2	716.8	687.3	687.3
40°	697.1	697.1	687.3	687.3	687.3	706.9	726.6	697.1	657.8	648.0	648.0
42.5°	667.7	657.8	648.0	638.2	628.4	657.8	677.5	638.2	618.6	618.6	618.6
45°	638.2	628.4	618.6	608.7	598.9	608.7	628.4	589.1	579.3	579.3	579.3
47.5°	608.7	598.9	579.3	569.5	559.7	559.7	579.3	549.8	540.0	549.8	549.8
50°	589.1	569.5	549.8	540.0	530.2	530.2	530.2	520.4	520.4	520.4	530.2
52.5°	569.5	549.8	520.4	510.6	500.7	500.7	500.7	500.7	490.9	500.7	510.6
55°	540.0	520.4	500.7	490.9	481.1	471.3	481.1	471.3	471.3	481.1	481.1
57.5°	500.7	481.1	461.5	461.5	451.7	451.7	461.5	451.7	451.7	461.5	461.5
60°	471.3	451.7	432.0	432.0	422.2	432.0	441.8	432.0	432.0	432.0	441.8
62.5°	432.0	422.2	402.6	402.6	402.6	402.6	412.4	402.6	412.4	412.4	412.4
65°	402.6	382.9	373.1	373.1	373.1	373.1	392.7	373.1	382.9	382.9	382.9
67.5°	373.1	353.5	343.6	343.6	343.6	343.6	363.3	343.6	353.5	363.3	353.5
70°	343.6	324.0	314.2	314.2	314.2	314.2	324.0	314.2	314.2	324.0	324.0
72.5°	304.4	294.6	284.7	284.7	274.9	284.7	294.6	284.7	284.7	284.7	284.7
75°	274.9	265.1	265.1	255.3	255.3	255.3	265.1	245.5	245.5	245.5	245.5
77.5°	255.3	235.6	235.6	235.6	225.8	235.6	225.8	206.2	206.2	206.2	206.2
80°	216.0	196.4	206.2	206.2	196.4	196.4	186.6	166.9	166.9	166.9	166.9
82.5°	176.7	157.1	166.9	166.9	166.9	166.9	147.3	137.5	127.6	117.8	117.8
85°	157.1	127.6	147.3	147.3	137.5	137.5	98.2	98.2	78.5	78.5	68.7
87.5°	29.5	19.6	39.3	49.1	49.1	58.9	39.3	49.1	29.5	19.6	19.6
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°	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4
2.5°	6224.9	6332.9	6480.2	6588.2	6755.1	6882.8	7079.2	7246.1	7403.2	7471.9	7540.6
5°	5223.5	5292.2	5518.0	5694.7	5959.8	6244.6	6598.0	6981.0	7373.7	7550.4	7756.6
7.5°	3907.8	4035.4	4163.1	4418.3	4742.3	5203.8	5655.5	6224.9	6774.8	7039.9	7393.3
10°	3033.9	3132.1	3279.4	3544.5	3848.9	4231.8	4771.8	5449.3	6107.1	6450.8	6814.1
12.5°	2435.0	2572.5	2768.8	3043.7	3397.2	3789.9	4182.7	4811.1	5576.9	5969.7	6382.0
15°	1973.5	2081.5	2297.5	2641.2	3053.6	3456.1	3868.5	4388.9	5223.5	5675.1	6166.0
17.5°	1571.0	1649.5	1845.9	2189.5	2601.9	3053.6	3524.8	4182.7	5105.6	5655.5	6234.8
20°	1276.4	1335.3	1463.0	1718.2	2111.0	2601.9	3191.0	3986.3	5174.4	5881.3	6588.2
22.5°	1119.3	1138.9	1197.9	1335.3	1659.3	2179.7	2886.6	3819.4	5302.0	6215.1	7167.5
25°	1011.3	1030.9	1050.6	1138.9	1325.5	1816.4	2621.5	3721.2	5576.9	6706.0	7835.2
27.5°	942.6	962.2	972.0	1011.3	1138.9	1551.3	2395.7	3662.3	5950.0	7422.8	8659.9
30°	883.7	883.7	913.1	972.0	1060.4	1364.8	2199.3	3524.8	6342.8	8021.7	9308.0
32.5°	834.6	844.4	883.7	913.1	972.0	1207.7	2003.0	3348.1	6696.2	8512.7	9946.2
35°	746.2	746.2	756.0	805.1	883.7	1080.0	1826.2	3171.4	6892.6	8993.8	10515.6
37.5°	687.3	697.1	716.8	756.0	824.8	991.7	1679.0	2975.0	7098.8	9445.4	11183.3
40°	648.0	657.8	677.5	716.8	785.5	913.1	1551.3	2817.9	7314.8	9936.3	11900.0
42.5°	618.6	628.4	648.0	687.3	746.2	893.5	1413.9	2690.3	7442.4	10388.0	12577.5
45°	589.1	598.9	628.4	667.7	716.8	873.8	1335.3	2601.9	7491.5	10692.4	13117.5
47.5°	559.7	569.5	598.9	657.8	716.8	844.4	1305.9	2552.8	7530.8	11036.0	13549.6
50°	530.2	549.8	589.1	648.0	726.6	805.1	1286.2	2543.0	7756.6	11477.9	13961.9
52.5°	510.6	540.0	579.3	648.0	716.8	746.2	1276.4	2572.5	8208.3	12135.7	14551.0
55°	490.9	520.4	559.7	648.0	687.3	697.1	1227.3	2621.5	8895.6	13048.8	15385.6
57.5°	471.3	490.9	540.0	628.4	648.0	657.8	1129.1	2690.3	9582.9	13942.3	16239.8
60°	441.8	461.5	510.6	628.4	589.1	618.6	1001.5	2709.9	10073.8	14227.0	16318.4
62.5°	412.4	432.0	481.1	648.0	540.0	579.3	893.5	2641.2	10172.0	13814.7	15876.5
65°	382.9	402.6	441.8	540.0	500.7	540.0	824.8	2454.6	9848.0	12872.1	15071.4
67.5°	353.5	373.1	402.6	441.8	451.7	490.9	795.3	2160.1	9033.0	11703.7	13971.8
70°	314.2	333.8	363.3	392.7	402.6	461.5	746.2	1875.3	7717.4	10142.5	12626.6
72.5°	284.7	294.6	324.0	343.6	363.3	422.2	716.8	1639.7	5900.9	8208.3	10299.6
75°	245.5	245.5	274.9	294.6	314.2	373.1	657.8	1364.8	4163.1	6264.2	7570.1
77.5°	206.2	206.2	225.8	245.5	265.1	324.0	559.7	1109.5	2886.6	4968.2	5488.6
80°	157.1	157.1	176.7	196.4	216.0	274.9	451.7	814.9	1787.0	3632.9	3996.1
82.5°	108.0	108.0	137.5	147.3	157.1	216.0	343.6	559.7	1050.6	2621.5	2857.2
85°	58.9	58.9	78.5	88.4	108.0	157.1	255.3	392.7	628.4	1895.0	1904.8
87.5°	9.8	9.8	29.5	29.5	49.1	78.5	147.3	216.0	353.5	1050.6	667.7
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: P598741  
 CATALOG NUMBER: IFLD-S-SA3E-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4	7010.4
2.5°	7668.3	7776.3	7786.1	7786.1	7737.0	7746.8	7609.4	7462.1	7413.0	7403.2
5°	8070.8	8355.6	8434.1	8473.4	8345.7	8149.4	7795.9	7413.0	7216.6	7187.2
7.5°	7992.3	8561.7	8866.1	8905.4	8650.1	8188.6	7570.1	6981.0	6755.1	6696.2
10°	7530.8	8296.6	8846.5	8983.9	8709.0	8119.9	7314.8	6627.5	6352.6	6303.5
12.5°	7206.8	7943.2	8483.2	8669.8	8542.1	8031.5	7187.2	6401.7	6126.8	6058.0
15°	7030.1	7707.5	8061.0	8119.9	8110.1	7894.1	7187.2	6450.8	6146.4	6067.8
17.5°	7177.3	7638.8	7687.9	7550.4	7629.0	7737.0	7344.3	6715.9	6421.3	6352.6
20°	7471.9	7609.4	7373.7	7167.5	7206.8	7550.4	7589.7	7216.6	6981.0	6863.1
22.5°	8090.5	7717.4	7177.3	6892.6	6922.1	7403.2	7913.7	7894.1	7687.9	7629.0
25°	8718.8	8021.7	7118.4	6784.6	6823.9	7373.7	8296.6	8650.1	8542.1	8512.7
27.5°	9416.0	8532.3	7157.7	6735.5	6784.6	7413.0	8561.7	9288.3	9308.0	9278.5
30°	9887.2	8777.8	7275.5	6794.4	6863.1	7511.2	8620.7	9671.2	9848.0	9857.8
32.5°	10280.0	9023.2	7521.0	6892.6	7010.4	7687.9	8777.8	10034.5	10427.3	10437.1
35°	10594.2	9298.1	7825.4	7069.3	7246.1	7982.5	8983.9	10378.2	10967.3	11036.0
37.5°	10996.7	9602.5	8178.8	7452.3	7648.6	8404.7	9347.2	10780.7	11605.5	11792.0
40°	11428.8	9906.9	8689.4	8070.8	8355.6	9033.0	9759.6	11232.4	12145.5	12400.8
42.5°	11909.9	10230.9	9268.7	8905.4	9337.4	9828.3	10230.9	11644.8	12557.9	12852.4
45°	12381.2	10623.6	10113.1	10044.3	10525.5	10770.9	10692.4	11939.3	12950.6	13245.2
47.5°	12715.0	11193.1	11134.2	11546.6	11998.2	11870.6	11232.4	12155.3	13274.6	13598.7
50°	13019.4	11900.0	12420.4	13225.5	13500.5	13068.5	11811.7	12449.9	13618.3	13981.6
52.5°	13471.0	12656.1	13745.9	14747.4	15012.5	14325.2	12440.1	12931.0	14148.5	14472.5
55°	14394.0	13510.3	15130.3	16279.1	16328.2	15474.0	13284.5	13745.9	14894.7	15267.8
57.5°	15424.9	14560.9	16230.0	17545.7	17526.1	16622.8	14236.9	14845.6	15906.0	16161.3
60°	16357.7	15621.3	17427.9	18449.0	18399.9	17457.3	15346.3	16092.6	17064.6	17261.0
62.5°	16907.5	16583.5	17958.1	18733.7	18547.2	17732.2	16288.9	17202.0	17889.3	17958.1
65°	16819.1	17133.3	17339.5	17820.6	17555.5	16966.4	16750.4	17909.0	17977.7	17909.0
67.5°	16151.5	16819.1	15640.9	15690.0	15552.5	15051.8	16033.6	17722.4	17251.1	17084.2
70°	15140.2	15189.3	13078.3	12459.7	12675.7	11988.4	13755.7	16269.3	15542.7	15336.5
72.5°	13461.2	12852.4	9887.2	9258.9	9582.9	9091.9	11036.0	14177.9	13471.0	12803.4
75°	11291.3	10181.8	7530.8	6637.3	6804.2	6784.6	8551.9	11713.5	10437.1	9769.4
77.5°	8748.3	7933.4	5557.3	5213.6	5036.9	5076.2	5969.7	8709.0	7570.1	6735.5
80°	6391.9	5547.5	4300.5	4496.9	4398.7	4163.1	4182.7	5832.2	5262.7	4762.0
82.5°	4418.3	3947.0	3485.6	3937.2	3701.6	3338.3	3259.7	4202.3	3947.0	3642.7
85°	2965.2	3249.9	2768.8	3014.3	2611.7	2405.5	3063.4	3515.0	2837.6	2533.2
87.5°	1934.2	2975.0	1993.2	1512.1	864.0	1158.6	1875.3	2307.4	1325.5	716.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)