

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: P598712

Luminaire Tested: **IFLD-S-SA3E-740-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598712  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3E-740-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (48) 4000K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

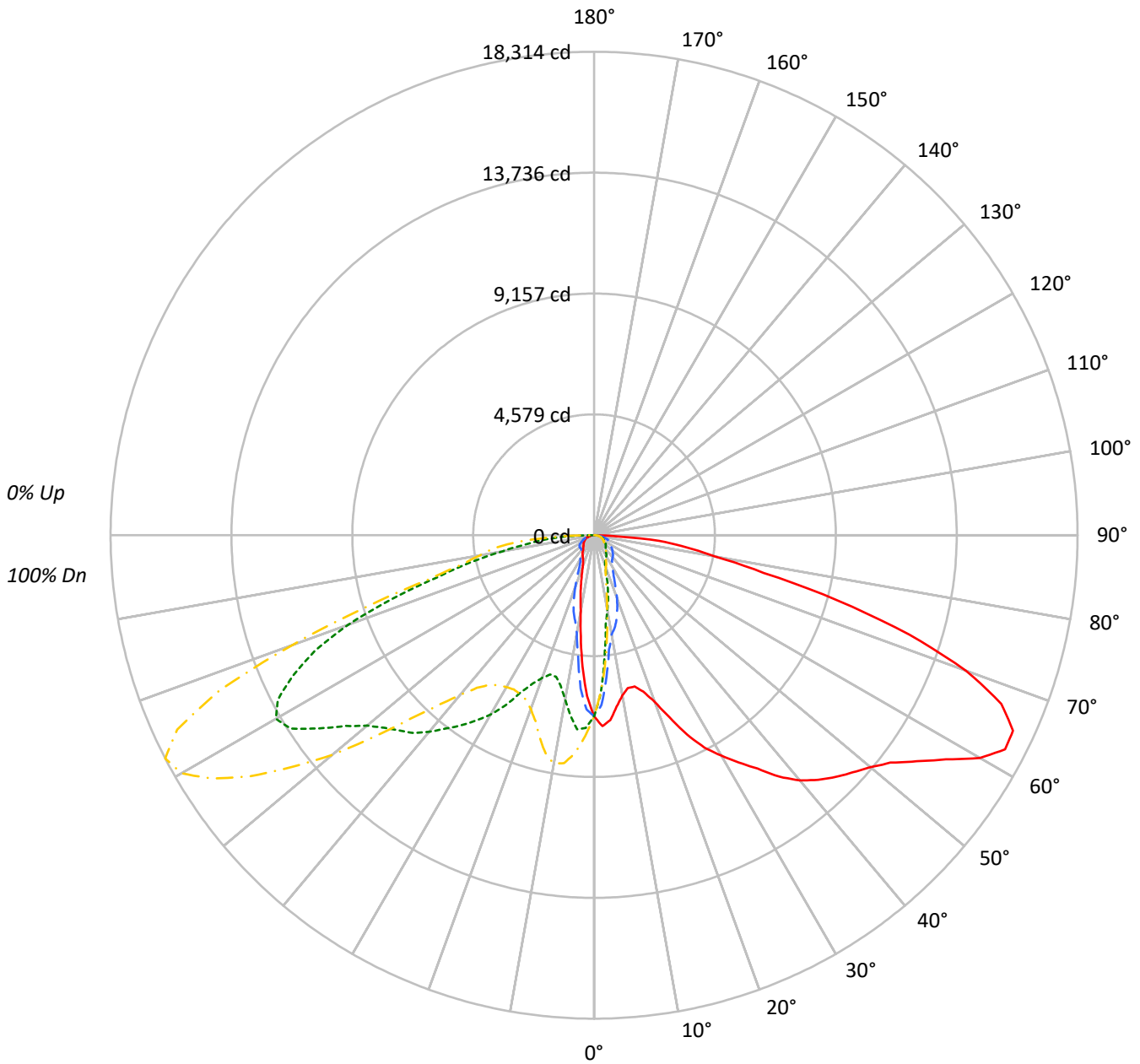
Lumens per Lamp: N/A  
 Luminaire Lumens: 22943.0 lumens  
 Efficiency: N/A  
 Efficacy: 98.8 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

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



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

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

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

	0°	90°	180°	270°
0°	98361	98361	98361	98361
5°	101226	65824	71908	106342
10°	89806	41825	42245	91905
15°	88139	29664	28095	82435
20°	102474	18764	18911	87813
25°	131785	16113	15657	103816
30°	159707	15271	14317	129960
35°	189026	13454	12949	154047
40°	227129	12768	11869	181990
45°	262815	12663	11494	212161
50°	305187	12858	11572	250535
55°	373475	13209	11768	319195
60°	484362	13224	12397	399226
65°	594562	13363	12711	427342
70°	629146	14099	13294	416075
75°	529600	14905	13308	339585
80°	384765	17456	13488	293529
85°	407804	25293	11066	305067

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	530.4	2.3
10°-20°	1110.1	4.8
20°-30°	1599.7	7.0
30°-40°	2302.9	10.0
40°-50°	3271.2	14.3
50°-60°	4703.0	20.5
60°-70°	5433.5	23.7
70°-80°	3076.6	13.4
80°-90°	915.6	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°	3240.2	14.1
0°-40°	5543.1	24.2
0°-60°	13517.3	58.9
0°-90°	22943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22943.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6854	6854	6854	6854	6854	
5°	7026	4569	4991	7381	7026	638
15°	5932	1996	1891	5548	5932	1744
25°	8322	1018	989	6556	8322	3863
35°	10789	768	739	8792	10789	6847
45°	12949	624	566	10453	12949	10026
55°	14926	528	470	12757	14926	13518
65°	17508	394	374	12584	17508	16789
75°	9551	269	240	6124	9551	10134
85°	2476	154	67	1853	2476	2466
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°	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5
2.5°	7237.4	7227.8	7170.2	6987.9	6795.9	6613.5	6440.7	6258.4	6162.4	6047.2	5999.2
5°	7026.3	7007.1	6843.9	6440.7	6085.6	5701.6	5375.3	5116.1	4904.9	4693.8	4617.0
7.5°	6546.3	6517.5	6325.5	5768.8	5250.5	4751.4	4357.8	4021.9	3743.5	3618.7	3474.7
10°	6162.4	6114.4	5864.8	5250.5	4578.6	4079.5	3820.3	3589.9	3349.9	3148.4	2937.2
12.5°	5922.4	5864.8	5605.6	4885.7	4233.0	3858.7	3589.9	3330.8	3033.2	2783.6	2553.3
15°	5932.0	5864.8	5548.1	4789.8	4146.6	3666.7	3292.4	2937.2	2591.7	2313.3	2054.1
17.5°	6210.4	6124.0	5788.0	4924.1	4079.5	3417.1	2918.0	2457.3	2063.7	1766.2	1555.0
20°	6709.5	6651.9	6268.0	5125.7	4012.3	3148.4	2534.1	1977.3	1564.6	1334.2	1247.8
22.5°	7458.2	7391.0	6978.3	5432.9	3993.1	2908.4	2121.3	1555.0	1257.4	1161.4	1113.5
25°	8322.1	8197.3	7813.3	5951.2	4031.5	2687.6	1785.4	1286.2	1123.0	1055.9	1027.1
27.5°	9070.8	8994.0	8562.0	6440.7	4050.7	2514.9	1555.0	1171.0	1046.3	988.7	969.5
30°	9637.1	9608.3	9186.0	6978.3	4002.7	2303.7	1411.0	1123.0	1046.3	988.7	931.1
32.5°	10203.4	10213.0	9761.9	7391.0	3935.5	2121.3	1276.6	998.3	921.5	883.1	892.7
35°	10788.9	10836.9	10453.0	7794.2	3791.5	2054.1	1180.6	931.1	863.9	806.3	777.5
37.5°	11528.1	11652.8	11278.5	8245.3	3647.5	1996.5	1132.6	883.1	815.9	767.9	729.5
40°	12123.2	12353.5	12132.8	8667.6	3551.5	1929.3	1094.3	835.1	787.1	729.5	700.7
42.5°	12564.7	12833.5	12756.7	8994.0	3551.5	1862.1	1055.9	806.3	767.9	700.7	662.3
45°	12948.7	13227.0	13217.4	9329.9	3628.3	1823.8	1007.9	806.3	748.7	681.5	643.1
47.5°	13294.2	13572.6	13668.6	9752.3	3753.1	1804.6	950.3	787.1	748.7	671.9	614.3
50°	13668.6	13975.7	14263.7	10424.2	3906.7	1756.6	911.9	758.3	758.3	662.3	595.1
52.5°	14148.5	14494.1	15022.0	11259.3	4060.3	1670.2	854.3	739.1	758.3	652.7	575.9
55°	14926.0	15214.0	15905.1	12257.6	4252.2	1564.6	806.3	691.1	719.9	623.9	547.1
57.5°	15799.5	16049.0	16625.0	13025.4	4309.8	1430.2	739.1	643.1	691.1	595.1	508.7
60°	16874.5	16999.3	16999.3	13246.2	4117.8	1305.4	691.1	604.7	623.9	566.3	479.9
62.5°	17556.0	17556.0	16999.3	12843.1	3753.1	1199.8	652.7	566.3	547.1	527.9	451.1
65°	17508.0	17431.3	16605.8	11672.0	3330.8	1132.6	614.3	518.3	489.5	479.9	422.3
67.5°	16701.8	16567.4	15444.3	10021.1	2889.2	1103.9	575.9	470.3	451.1	431.9	383.9
70°	14993.2	14647.6	13265.4	8062.9	2457.3	1084.7	566.3	431.9	412.7	393.5	355.2
72.5°	12516.7	12075.2	10357.0	6200.8	2063.7	1017.5	537.5	383.9	374.3	355.2	316.8
75°	9550.7	8734.8	7227.8	4741.8	1603.0	883.1	460.7	336.0	336.0	326.4	288.0
77.5°	6584.7	6162.4	5039.3	3503.5	1171.0	681.5	374.3	297.6	297.6	307.2	268.8
80°	4655.4	4261.8	3589.9	2514.9	739.1	460.7	288.0	249.6	278.4	297.6	249.6
82.5°	3561.1	3273.2	2668.4	1833.4	431.9	316.8	220.8	201.6	240.0	259.2	211.2
85°	2476.5	2130.9	1353.4	1228.6	249.6	192.0	163.2	163.2	211.2	259.2	192.0
87.5°	700.7	297.6	86.4	364.8	105.6	76.8	57.6	38.4	57.6	57.6	38.4
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°	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5
2.5°	5951.2	5893.6	5893.6	5874.4	5884.0	5893.6	5884.0	5951.2	5980.0	6018.4	6095.2
5°	4569.0	4645.8	4588.2	4645.8	4722.6	4837.7	4866.5	4952.9	4962.5	5029.7	4991.3
7.5°	3388.3	3378.7	3330.8	3397.9	3609.1	3772.3	3849.1	3897.1	3906.7	3906.7	3858.7
10°	2870.0	2783.6	2697.2	2649.2	2668.4	2841.2	2898.8	2927.6	2908.4	2937.2	2898.8
12.5°	2457.3	2380.5	2255.7	2169.3	2111.7	2159.7	2217.3	2246.1	2265.3	2313.3	2351.7
15°	1996.5	1919.7	1843.0	1795.0	1747.0	1708.6	1756.6	1785.4	1833.4	1871.7	1890.9
17.5°	1516.6	1478.2	1439.8	1468.6	1468.6	1449.4	1468.6	1478.2	1497.4	1526.2	1516.6
20°	1228.6	1219.0	1209.4	1257.4	1295.8	1295.8	1315.0	1286.2	1276.6	1247.8	1238.2
22.5°	1094.3	1094.3	1103.9	1142.2	1180.6	1199.8	1199.8	1151.8	1103.9	1084.7	1094.3
25°	1017.5	1017.5	1046.3	1055.9	1075.1	1075.1	1084.7	1036.7	1007.9	979.1	988.7
27.5°	959.9	959.9	969.5	969.5	979.1	979.1	988.7	969.5	931.1	921.5	921.5
30°	921.5	921.5	911.9	911.9	911.9	911.9	921.5	892.7	873.5	863.9	863.9
32.5°	883.1	873.5	863.9	863.9	854.3	854.3	863.9	835.1	825.5	825.5	825.5
35°	767.9	758.3	767.9	787.1	787.1	796.7	796.7	787.1	767.9	748.7	739.1
37.5°	719.9	710.3	710.3	710.3	729.5	739.1	748.7	729.5	700.7	671.9	671.9
40°	681.5	681.5	671.9	671.9	671.9	691.1	710.3	681.5	643.1	633.5	633.5
42.5°	652.7	643.1	633.5	623.9	614.3	643.1	662.3	623.9	604.7	604.7	604.7
45°	623.9	614.3	604.7	595.1	585.5	595.1	614.3	575.9	566.3	566.3	566.3
47.5°	595.1	585.5	566.3	556.7	547.1	547.1	566.3	537.5	527.9	537.5	537.5
50°	575.9	556.7	537.5	527.9	518.3	518.3	518.3	508.7	508.7	508.7	518.3
52.5°	556.7	537.5	508.7	499.1	489.5	489.5	489.5	489.5	479.9	489.5	499.1
55°	527.9	508.7	489.5	479.9	470.3	460.7	470.3	460.7	460.7	470.3	470.3
57.5°	489.5	470.3	451.1	451.1	441.5	441.5	451.1	441.5	441.5	451.1	451.1
60°	460.7	441.5	422.3	422.3	412.7	422.3	431.9	422.3	422.3	422.3	431.9
62.5°	422.3	412.7	393.5	393.5	393.5	393.5	403.1	393.5	403.1	403.1	403.1
65°	393.5	374.3	364.8	364.8	364.8	364.8	383.9	364.8	374.3	374.3	374.3
67.5°	364.8	345.6	336.0	336.0	336.0	336.0	355.2	336.0	345.6	355.2	345.6
70°	336.0	316.8	307.2	307.2	307.2	307.2	316.8	307.2	307.2	316.8	316.8
72.5°	297.6	288.0	278.4	278.4	268.8	278.4	288.0	278.4	278.4	278.4	278.4
75°	268.8	259.2	259.2	249.6	249.6	249.6	259.2	240.0	240.0	240.0	240.0
77.5°	249.6	230.4	230.4	230.4	220.8	230.4	220.8	201.6	201.6	201.6	201.6
80°	211.2	192.0	201.6	201.6	192.0	192.0	182.4	163.2	163.2	163.2	163.2
82.5°	172.8	153.6	163.2	163.2	163.2	163.2	144.0	134.4	124.8	115.2	115.2
85°	153.6	124.8	144.0	144.0	134.4	134.4	96.0	96.0	76.8	76.8	67.2
87.5°	28.8	19.2	38.4	48.0	48.0	57.6	38.4	48.0	28.8	19.2	19.2
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°	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5
2.5°	6085.6	6191.2	6335.1	6440.7	6603.9	6728.7	6920.7	7083.8	7237.4	7304.6	7371.8
5°	5106.5	5173.7	5394.5	5567.3	5826.4	6104.8	6450.3	6824.7	7208.6	7381.4	7583.0
7.5°	3820.3	3945.1	4069.9	4319.4	4636.2	5087.3	5528.9	6085.6	6623.1	6882.3	7227.8
10°	2966.0	3062.0	3206.0	3465.1	3762.7	4137.0	4665.0	5327.3	5970.4	6306.4	6661.5
12.5°	2380.5	2514.9	2706.8	2975.6	3321.2	3705.1	4089.1	4703.4	5452.1	5836.0	6239.2
15°	1929.3	2034.9	2246.1	2582.1	2985.2	3378.7	3781.9	4290.6	5106.5	5548.1	6028.0
17.5°	1535.8	1612.6	1804.6	2140.5	2543.7	2985.2	3445.9	4089.1	4991.3	5528.9	6095.2
20°	1247.8	1305.4	1430.2	1679.8	2063.7	2543.7	3119.6	3897.1	5058.5	5749.6	6440.7
22.5°	1094.3	1113.5	1171.0	1305.4	1622.2	2130.9	2822.0	3733.9	5183.3	6076.0	7007.1
25°	988.7	1007.9	1027.1	1113.5	1295.8	1775.8	2562.9	3637.9	5452.1	6555.9	7659.8
27.5°	921.5	940.7	950.3	988.7	1113.5	1516.6	2342.1	3580.3	5816.8	7256.6	8466.1
30°	863.9	863.9	892.7	950.3	1036.7	1334.2	2150.1	3445.9	6200.8	7842.1	9099.6
32.5°	815.9	825.5	863.9	892.7	950.3	1180.6	1958.1	3273.2	6546.3	8322.1	9723.5
35°	729.5	729.5	739.1	787.1	863.9	1055.9	1785.4	3100.4	6738.3	8792.4	10280.2
37.5°	671.9	681.5	700.7	739.1	806.3	969.5	1641.4	2908.4	6939.9	9234.0	10932.9
40°	633.5	643.1	662.3	700.7	767.9	892.7	1516.6	2754.8	7151.0	9713.9	11633.6
42.5°	604.7	614.3	633.5	671.9	729.5	873.5	1382.2	2630.0	7275.8	10155.4	12295.9
45°	575.9	585.5	614.3	652.7	700.7	854.3	1305.4	2543.7	7323.8	10453.0	12823.9
47.5°	547.1	556.7	585.5	643.1	700.7	825.5	1276.6	2495.7	7362.2	10788.9	13246.2
50°	518.3	537.5	575.9	633.5	710.3	787.1	1257.4	2486.1	7583.0	11220.9	13649.4
52.5°	499.1	527.9	566.3	633.5	700.7	729.5	1247.8	2514.9	8024.5	11864.0	14225.3
55°	479.9	508.7	547.1	633.5	671.9	681.5	1199.8	2562.9	8696.4	12756.7	15041.2
57.5°	460.7	479.9	527.9	614.3	633.5	643.1	1103.9	2630.0	9368.3	13630.2	15876.3
60°	431.9	451.1	499.1	614.3	575.9	604.7	979.1	2649.2	9848.3	13908.5	15953.1
62.5°	403.1	422.3	470.3	633.5	527.9	566.3	873.5	2582.1	9944.3	13505.4	15521.1
65°	374.3	393.5	431.9	527.9	489.5	527.9	806.3	2399.7	9627.5	12583.9	14734.0
67.5°	345.6	364.8	393.5	431.9	441.5	479.9	777.5	2111.7	8830.8	11441.7	13659.0
70°	307.2	326.4	355.2	383.9	393.5	451.1	729.5	1833.4	7544.6	9915.5	12343.9
72.5°	278.4	288.0	316.8	336.0	355.2	412.7	700.7	1603.0	5768.8	8024.5	10069.0
75°	240.0	240.0	268.8	288.0	307.2	364.8	643.1	1334.2	4069.9	6124.0	7400.6
77.5°	201.6	201.6	220.8	240.0	259.2	316.8	547.1	1084.7	2822.0	4856.9	5365.7
80°	153.6	153.6	172.8	192.0	211.2	268.8	441.5	796.7	1747.0	3551.5	3906.7
82.5°	105.6	105.6	134.4	144.0	153.6	211.2	336.0	547.1	1027.1	2562.9	2793.2
85°	57.6	57.6	76.8	86.4	105.6	153.6	249.6	383.9	614.3	1852.6	1862.1
87.5°	9.6	9.6	28.8	28.8	48.0	76.8	144.0	211.2	345.6	1027.1	652.7
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: P598712  
 CATALOG NUMBER: IFLD-S-SA3E-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5	6853.5
2.5°	7496.6	7602.2	7611.8	7611.8	7563.8	7573.4	7439.0	7295.0	7247.0	7237.4
5°	7890.1	8168.5	8245.3	8283.7	8158.9	7966.9	7621.4	7247.0	7055.1	7026.3
7.5°	7813.3	8370.1	8667.6	8706.0	8456.5	8005.3	7400.6	6824.7	6603.9	6546.3
10°	7362.2	8110.9	8648.4	8782.8	8514.1	7938.1	7151.0	6479.1	6210.4	6162.4
12.5°	7045.5	7765.4	8293.3	8475.7	8350.9	7851.7	7026.3	6258.4	5989.6	5922.4
15°	6872.7	7535.0	7880.5	7938.1	7928.5	7717.4	7026.3	6306.4	6008.8	5932.0
17.5°	7016.7	7467.8	7515.8	7381.4	7458.2	7563.8	7179.8	6565.5	6277.6	6210.4
20°	7304.6	7439.0	7208.6	7007.1	7045.5	7381.4	7419.8	7055.1	6824.7	6709.5
22.5°	7909.3	7544.6	7016.7	6738.3	6767.1	7237.4	7736.6	7717.4	7515.8	7458.2
25°	8523.7	7842.1	6959.1	6632.7	6671.1	7208.6	8110.9	8456.5	8350.9	8322.1
27.5°	9205.2	8341.3	6997.5	6584.7	6632.7	7247.0	8370.1	9080.4	9099.6	9070.8
30°	9665.9	8581.2	7112.6	6642.3	6709.5	7343.0	8427.7	9454.7	9627.5	9637.1
32.5°	10049.8	8821.2	7352.6	6738.3	6853.5	7515.8	8581.2	9809.9	10193.8	10203.4
35°	10357.0	9090.0	7650.2	6911.1	7083.8	7803.8	8782.8	10145.8	10721.8	10788.9
37.5°	10750.6	9387.5	7995.7	7285.4	7477.4	8216.5	9138.0	10539.4	11345.7	11528.1
40°	11172.9	9685.1	8494.9	7890.1	8168.5	8830.8	9541.1	10980.9	11873.6	12123.2
42.5°	11643.2	10001.9	9061.2	8706.0	9128.4	9608.3	10001.9	11384.1	12276.7	12564.7
45°	12104.0	10385.8	9886.7	9819.5	10289.8	10529.8	10453.0	11672.0	12660.7	12948.7
47.5°	12430.3	10942.5	10884.9	11288.1	11729.6	11604.8	10980.9	11883.2	12977.5	13294.2
50°	12727.9	11633.6	12142.4	12929.5	13198.2	12775.9	11547.2	12171.2	13313.4	13668.6
52.5°	13169.4	12372.7	13438.2	14417.3	14676.4	14004.5	12161.6	12641.5	13831.7	14148.5
55°	14071.7	13207.8	14791.6	15914.7	15962.7	15127.6	12987.1	13438.2	14561.2	14926.0
57.5°	15079.6	14234.9	15866.7	17152.9	17133.7	16250.6	13918.1	14513.2	15549.9	15799.5
60°	15991.5	15271.5	17037.7	18036.0	17988.0	17066.5	15002.8	15732.3	16682.6	16874.5
62.5°	16529.0	16212.2	17556.0	18314.3	18132.0	17335.3	15924.3	16816.9	17488.8	17556.0
65°	16442.6	16749.7	16951.3	17421.7	17162.5	16586.6	16375.4	17508.0	17575.2	17508.0
67.5°	15789.9	16442.6	15290.7	15338.7	15204.4	14714.8	15674.7	17325.7	16864.9	16701.8
70°	14801.2	14849.2	12785.5	12180.8	12391.9	11720.0	13447.8	15905.1	15194.8	14993.2
72.5°	13159.8	12564.7	9665.9	9051.6	9368.3	8888.4	10788.9	13860.5	13169.4	12516.7
75°	11038.5	9953.9	7362.2	6488.7	6651.9	6632.7	8360.5	11451.3	10203.4	9550.7
77.5°	8552.5	7755.8	5432.9	5096.9	4924.1	4962.5	5836.0	8514.1	7400.6	6584.7
80°	6248.8	5423.3	4204.2	4396.2	4300.2	4069.9	4089.1	5701.6	5144.9	4655.4
82.5°	4319.4	3858.7	3407.5	3849.1	3618.7	3263.6	3186.8	4108.2	3858.7	3561.1
85°	2898.8	3177.2	2706.8	2946.8	2553.3	2351.7	2994.8	3436.3	2774.0	2476.5
87.5°	1890.9	2908.4	1948.5	1478.2	844.7	1132.6	1833.4	2255.7	1295.8	700.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)