

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: P598775

Luminaire Tested: **IFLD-S-SA6E-760-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598775  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6E-760-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (96) 5700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

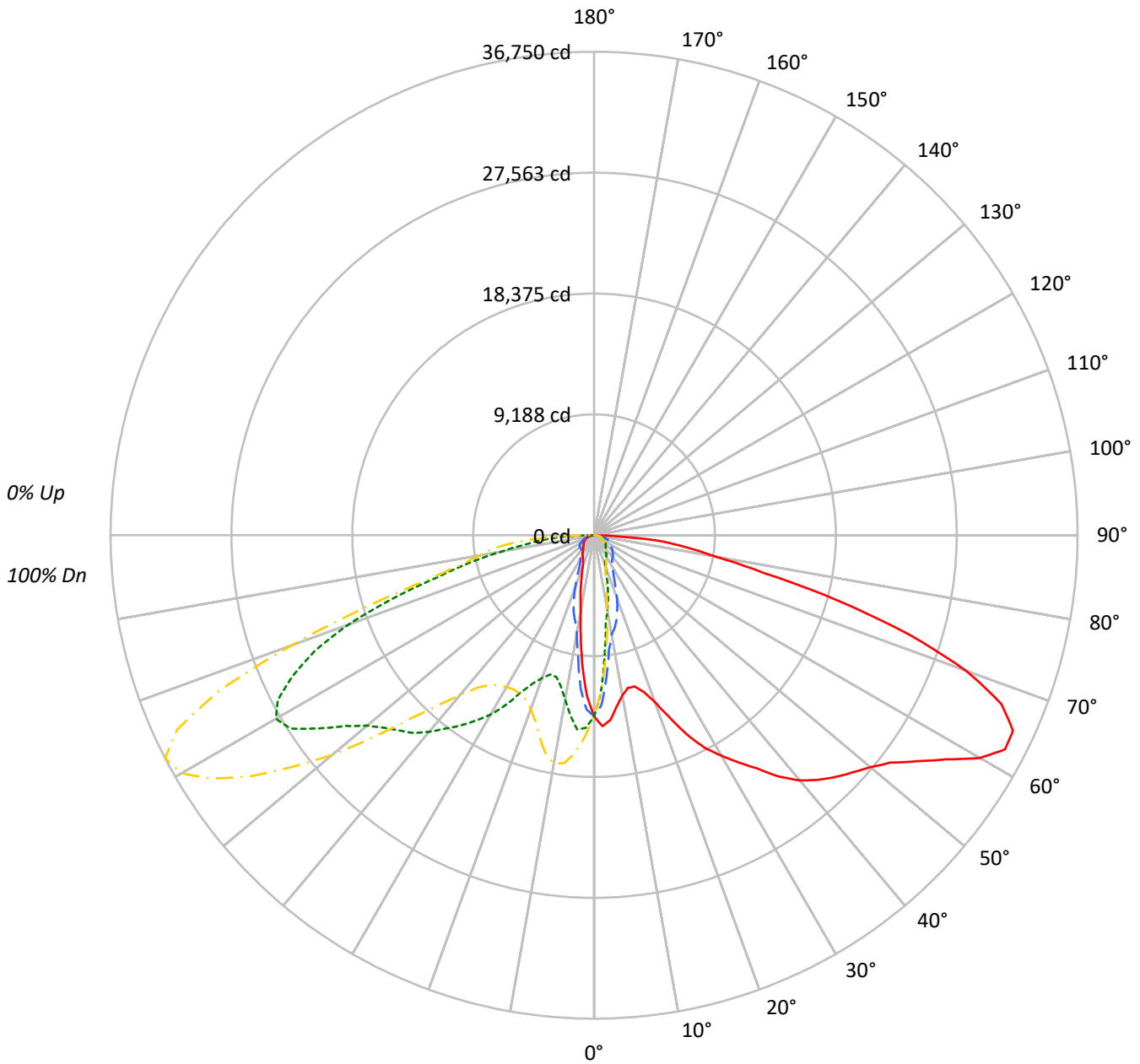
Lumens per Lamp: N/A  
 Luminaire Lumens: 46037.3 lumens  
 Efficiency: N/A  
 Efficacy: 99.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 464.2  
 Input Voltage (V): 120  
 Input Current (A<sub>in</sub>): 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	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	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77													
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59													
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46													
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36													
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30													
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25													
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21													
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18													
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16													
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14													

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

	0°	90°	180°	270°
0°	98685	98685	98685	98685
5°	101559	66041	72146	106692
10°	90102	41964	42384	92207
15°	88429	29762	28189	82706
20°	102812	18827	18974	88104
25°	132220	16165	15708	104159
30°	160234	15321	14364	130390
35°	189651	13499	12992	154555
40°	227877	12810	11908	182591
45°	263682	12705	11533	212861
50°	306193	12901	11611	251362
55°	374707	13253	11808	320247
60°	485961	13268	12439	400544
65°	596525	13409	12755	428753
70°	631221	14143	13336	417447
75°	531349	14952	13350	340705
80°	386034	17509	13530	294500
85°	409146	25376	11099	306063

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1064.3	2.3
10°-20°	2227.4	4.8
20°-30°	3210.0	7.0
30°-40°	4621.1	10.0
40°-50°	6563.9	14.3
50°-60°	9437.0	20.5
60°-70°	10902.9	23.7
70°-80°	6173.4	13.4
80°-90°	1837.2	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°	6501.7	14.1
0°-40°	11122.8	24.2
0°-60°	27123.7	58.9
0°-90°	46037.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	46037.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	13752	13752	13752	13752	13752	
5°	14099	9168	10016	14812	14099	1279
15°	11903	4006	3794	11133	11903	3500
25°	16699	2042	1984	13155	16699	7751
35°	21649	1541	1483	17643	21649	13740
45°	25983	1252	1136	20975	25983	20119
55°	29950	1059	944	25598	29950	27125
65°	35132	790	751	25251	35132	33689
75°	19164	539	482	12288	19164	20334
85°	4969	308	135	3717	4969	4949
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°	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2
2.5°	14522.6	14503.4	14387.8	14021.8	13636.6	13270.7	12924.0	12558.0	12365.4	12134.3	12038.0
5°	14098.9	14060.4	13732.9	12924.0	12211.3	11440.9	10786.0	10266.0	9842.2	9418.5	9264.4
7.5°	13135.8	13078.1	12692.8	11575.7	10535.6	9534.1	8744.4	8070.3	7511.7	7261.3	6972.4
10°	12365.4	12269.1	11768.3	10535.6	9187.4	8185.8	7665.8	7203.5	6722.0	6317.5	5893.8
12.5°	11883.9	11768.3	11248.3	9803.7	8494.0	7742.8	7203.5	6683.5	6086.4	5585.6	5123.4
15°	11903.1	11768.3	11132.7	9611.1	8320.6	7357.6	6606.4	5893.8	5200.4	4641.8	4121.8
17.5°	12461.7	12288.4	11614.2	9880.8	8185.8	6856.8	5855.3	4930.8	4141.1	3544.0	3120.2
20°	13463.3	13347.7	12577.3	10285.2	8051.0	6317.5	5084.8	3967.7	3139.5	2677.2	2503.9
22.5°	14965.6	14830.8	14002.6	10901.6	8012.5	5836.0	4256.6	3120.2	2523.2	2330.6	2234.2
25°	16699.1	16448.7	15678.3	11941.7	8089.5	5393.0	3582.5	2580.9	2253.5	2118.7	2060.9
27.5°	18201.4	18047.3	17180.6	12924.0	8128.0	5046.3	3120.2	2349.8	2099.4	1983.9	1945.3
30°	19337.8	19280.0	18432.5	14002.6	8031.7	4622.6	2831.3	2253.5	2099.4	1983.9	1868.3
32.5°	20474.2	20493.4	19588.2	14830.8	7896.9	4256.6	2561.7	2003.1	1849.0	1772.0	1791.3
35°	21649.1	21745.4	20975.0	15639.7	7608.0	4121.8	2369.1	1868.3	1733.5	1617.9	1560.1
37.5°	23132.2	23382.6	22631.4	16545.0	7319.1	4006.2	2272.8	1772.0	1637.2	1540.9	1463.8
40°	24326.3	24788.6	24345.6	17392.5	7126.5	3871.4	2195.7	1675.7	1579.4	1463.8	1406.0
42.5°	25212.3	25751.6	25597.5	18047.3	7126.5	3736.6	2118.7	1617.9	1540.9	1406.0	1329.0
45°	25982.8	26541.3	26522.1	18721.5	7280.6	3659.5	2022.4	1617.9	1502.3	1367.5	1290.5
47.5°	26676.2	27234.7	27427.3	19568.9	7531.0	3621.0	1906.8	1579.4	1502.3	1348.3	1232.7
50°	27427.3	28043.7	28621.5	20917.2	7839.1	3524.7	1829.8	1521.6	1521.6	1329.0	1194.2
52.5°	28390.4	29083.7	30143.1	22592.9	8147.3	3351.4	1714.2	1483.1	1521.6	1309.7	1155.6
55°	29950.5	30528.3	31915.1	24596.0	8532.5	3139.5	1617.9	1386.8	1444.6	1251.9	1097.9
57.5°	31703.2	32204.0	33359.6	26136.8	8648.1	2869.9	1483.1	1290.5	1386.8	1194.2	1020.8
60°	33860.4	34110.8	34110.8	26579.8	8262.9	2619.5	1386.8	1213.4	1251.9	1136.4	963.0
62.5°	35227.9	35227.9	34110.8	25770.9	7531.0	2407.6	1309.7	1136.4	1097.9	1059.3	905.3
65°	35131.6	34977.5	33321.1	23421.1	6683.5	2272.8	1232.7	1040.1	982.3	963.0	847.5
67.5°	33513.7	33244.1	30990.6	20108.2	5797.5	2215.0	1155.6	943.8	905.3	866.7	770.4
70°	30085.3	29391.9	26618.4	16179.0	4930.8	2176.5	1136.4	866.7	828.2	789.7	712.6
72.5°	25116.0	24230.0	20782.4	12442.4	4141.1	2041.6	1078.6	770.4	751.2	712.6	635.6
75°	19164.5	17527.3	14503.4	9514.8	3216.5	1772.0	924.5	674.1	674.1	654.9	577.8
77.5°	13212.9	12365.4	10111.9	7030.2	2349.8	1367.5	751.2	597.1	597.1	616.3	539.3
80°	9341.5	8551.8	7203.5	5046.3	1483.1	924.5	577.8	500.8	558.6	597.1	500.8
82.5°	7145.7	6567.9	5354.5	3678.8	866.7	635.6	443.0	404.5	481.5	520.0	423.7
85°	4969.3	4275.9	2715.8	2465.4	500.8	385.2	327.4	327.4	423.7	520.0	385.2
87.5°	1406.0	597.1	173.3	731.9	211.9	154.1	115.6	77.0	115.6	115.6	77.0
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°	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2
2.5°	11941.7	11826.1	11826.1	11787.6	11806.8	11826.1	11806.8	11941.7	11999.5	12076.5	12230.6
5°	9168.1	9322.2	9206.6	9322.2	9476.3	9707.4	9765.2	9938.6	9957.8	10092.6	10015.6
7.5°	6799.0	6779.8	6683.5	6818.3	7242.0	7569.5	7723.6	7819.9	7839.1	7839.1	7742.8
10°	5759.0	5585.6	5412.3	5316.0	5354.5	5701.2	5816.7	5874.5	5836.0	5893.8	5816.7
12.5°	4930.8	4776.7	4526.3	4352.9	4237.4	4333.7	4449.2	4507.0	4545.5	4641.8	4718.9
15°	4006.2	3852.2	3698.1	3601.8	3505.5	3428.4	3524.7	3582.5	3678.8	3755.8	3794.4
17.5°	3043.2	2966.2	2889.1	2946.9	2946.9	2908.4	2946.9	2966.2	3004.7	3062.5	3043.2
20°	2465.4	2446.1	2426.9	2523.2	2600.2	2600.2	2638.7	2580.9	2561.7	2503.9	2484.6
22.5°	2195.7	2195.7	2215.0	2292.0	2369.1	2407.6	2407.6	2311.3	2215.0	2176.5	2195.7
25°	2041.6	2041.6	2099.4	2118.7	2157.2	2157.2	2176.5	2080.2	2022.4	1964.6	1983.9
27.5°	1926.1	1926.1	1945.3	1945.3	1964.6	1964.6	1983.9	1945.3	1868.3	1849.0	1849.0
30°	1849.0	1849.0	1829.8	1829.8	1829.8	1829.8	1849.0	1791.3	1752.7	1733.5	1733.5
32.5°	1772.0	1752.7	1733.5	1733.5	1714.2	1714.2	1733.5	1675.7	1656.4	1656.4	1656.4
35°	1540.9	1521.6	1540.9	1579.4	1579.4	1598.6	1598.6	1579.4	1540.9	1502.3	1483.1
37.5°	1444.6	1425.3	1425.3	1425.3	1463.8	1483.1	1502.3	1463.8	1406.0	1348.3	1348.3
40°	1367.5	1367.5	1348.3	1348.3	1348.3	1386.8	1425.3	1367.5	1290.5	1271.2	1271.2
42.5°	1309.7	1290.5	1271.2	1251.9	1232.7	1290.5	1329.0	1251.9	1213.4	1213.4	1213.4
45°	1251.9	1232.7	1213.4	1194.2	1174.9	1194.2	1232.7	1155.6	1136.4	1136.4	1136.4
47.5°	1194.2	1174.9	1136.4	1117.1	1097.9	1097.9	1136.4	1078.6	1059.3	1078.6	1078.6
50°	1155.6	1117.1	1078.6	1059.3	1040.1	1040.1	1040.1	1020.8	1020.8	1020.8	1040.1
52.5°	1117.1	1078.6	1020.8	1001.6	982.3	982.3	982.3	982.3	963.0	982.3	1001.6
55°	1059.3	1020.8	982.3	963.0	943.8	924.5	943.8	924.5	924.5	943.8	943.8
57.5°	982.3	943.8	905.3	905.3	886.0	886.0	905.3	886.0	886.0	905.3	905.3
60°	924.5	886.0	847.5	847.5	828.2	847.5	866.7	847.5	847.5	847.5	866.7
62.5°	847.5	828.2	789.7	789.7	789.7	789.7	809.0	789.7	809.0	809.0	809.0
65°	789.7	751.2	731.9	731.9	731.9	731.9	770.4	731.9	751.2	751.2	751.2
67.5°	731.9	693.4	674.1	674.1	674.1	674.1	712.6	674.1	693.4	712.6	693.4
70°	674.1	635.6	616.3	616.3	616.3	616.3	635.6	616.3	616.3	635.6	635.6
72.5°	597.1	577.8	558.6	558.6	539.3	558.6	577.8	558.6	558.6	558.6	558.6
75°	539.3	520.0	520.0	500.8	500.8	500.8	520.0	481.5	481.5	481.5	481.5
77.5°	500.8	462.3	462.3	462.3	443.0	462.3	443.0	404.5	404.5	404.5	404.5
80°	423.7	385.2	404.5	404.5	385.2	385.2	366.0	327.4	327.4	327.4	327.4
82.5°	346.7	308.2	327.4	327.4	327.4	327.4	288.9	269.7	250.4	231.1	231.1
85°	308.2	250.4	288.9	288.9	269.7	269.7	192.6	192.6	154.1	154.1	134.8
87.5°	57.8	38.5	77.0	96.3	96.3	115.6	77.0	96.3	57.8	38.5	38.5
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°	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2
2.5°	12211.3	12423.2	12712.1	12924.0	13251.4	13501.8	13887.0	14214.4	14522.6	14657.4	14792.3
5°	10246.7	10381.5	10824.5	11171.2	11691.3	12249.8	12943.2	13694.4	14464.8	14811.5	15216.0
7.5°	7665.8	7916.2	8166.6	8667.3	9302.9	10208.2	11094.2	12211.3	13289.9	13810.0	14503.4
10°	5951.6	6144.2	6433.1	6953.1	7550.2	8301.4	9360.7	10689.7	11980.2	12654.3	13367.0
12.5°	4776.7	5046.3	5431.5	5970.8	6664.2	7434.7	8205.1	9437.8	10940.1	11710.5	12519.5
15°	3871.4	4083.3	4507.0	5181.1	5990.1	6779.8	7588.7	8609.6	10246.7	11132.7	12095.8
17.5°	3081.7	3235.8	3621.0	4295.1	5104.1	5990.1	6914.6	8205.1	10015.6	11094.2	12230.6
20°	2503.9	2619.5	2869.9	3370.6	4141.1	5104.1	6259.7	7819.9	10150.4	11537.2	12924.0
22.5°	2195.7	2234.2	2349.8	2619.5	3255.1	4275.9	5662.7	7492.4	10400.8	12192.1	14060.4
25°	1983.9	2022.4	2060.9	2234.2	2600.2	3563.2	5142.6	7299.8	10940.1	13155.1	15370.1
27.5°	1849.0	1887.6	1906.8	1983.9	2234.2	3043.2	4699.6	7184.3	11672.0	14561.1	16988.0
30°	1733.5	1733.5	1791.3	1906.8	2080.2	2677.2	4314.4	6914.6	12442.4	15736.0	18259.2
32.5°	1637.2	1656.4	1733.5	1791.3	1906.8	2369.1	3929.2	6567.9	13135.8	16699.1	19511.1
35°	1463.8	1463.8	1483.1	1579.4	1733.5	2118.7	3582.5	6221.2	13521.1	17642.9	20628.3
37.5°	1348.3	1367.5	1406.0	1483.1	1617.9	1945.3	3293.6	5836.0	13925.5	18528.8	21938.0
40°	1271.2	1290.5	1329.0	1406.0	1540.9	1791.3	3043.2	5527.8	14349.3	19491.9	23344.0
42.5°	1213.4	1232.7	1271.2	1348.3	1463.8	1752.7	2773.5	5277.4	14599.7	20377.9	24673.0
45°	1155.6	1174.9	1232.7	1309.7	1406.0	1714.2	2619.5	5104.1	14696.0	20975.0	25732.4
47.5°	1097.9	1117.1	1174.9	1290.5	1406.0	1656.4	2561.7	5007.8	14773.0	21649.1	26579.8
50°	1040.1	1078.6	1155.6	1271.2	1425.3	1579.4	2523.2	4988.5	15216.0	22515.8	27388.8
52.5°	1001.6	1059.3	1136.4	1271.2	1406.0	1463.8	2503.9	5046.3	16102.0	23806.3	28544.4
55°	963.0	1020.8	1097.9	1271.2	1348.3	1367.5	2407.6	5142.6	17450.2	25597.5	30181.6
57.5°	924.5	963.0	1059.3	1232.7	1271.2	1290.5	2215.0	5277.4	18798.5	27350.3	31857.3
60°	866.7	905.3	1001.6	1232.7	1155.6	1213.4	1964.6	5316.0	19761.5	27908.8	32011.4
62.5°	809.0	847.5	943.8	1271.2	1059.3	1136.4	1752.7	5181.1	19954.1	27099.9	31144.6
65°	751.2	789.7	866.7	1059.3	982.3	1059.3	1617.9	4815.2	19318.5	25250.9	29565.3
67.5°	693.4	731.9	789.7	866.7	886.0	963.0	1560.1	4237.4	17719.9	22958.8	27408.1
70°	616.3	654.9	712.6	770.4	789.7	905.3	1463.8	3678.8	15139.0	19896.4	24769.3
72.5°	558.6	577.8	635.6	674.1	712.6	828.2	1406.0	3216.5	11575.7	16102.0	20204.5
75°	481.5	481.5	539.3	577.8	616.3	731.9	1290.5	2677.2	8166.6	12288.4	14850.0
77.5°	404.5	404.5	443.0	481.5	520.0	635.6	1097.9	2176.5	5662.7	9745.9	10766.8
80°	308.2	308.2	346.7	385.2	423.7	539.3	886.0	1598.6	3505.5	7126.5	7839.1
82.5°	211.9	211.9	269.7	288.9	308.2	423.7	674.1	1097.9	2060.9	5142.6	5604.9
85°	115.6	115.6	154.1	173.3	211.9	308.2	500.8	770.4	1232.7	3717.3	3736.6
87.5°	19.3	19.3	57.8	57.8	96.3	154.1	288.9	423.7	693.4	2060.9	1309.7
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: P598775  
 CATALOG NUMBER: IFLD-S-SA6E-760-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2	13752.2
2.5°	15042.7	15254.5	15273.8	15273.8	15177.5	15196.7	14927.1	14638.2	14541.9	14522.6
5°	15832.3	16390.9	16545.0	16622.0	16371.6	15986.4	15293.0	14541.9	14156.7	14098.9
7.5°	15678.3	16795.4	17392.5	17469.5	16968.7	16063.5	14850.0	13694.4	13251.4	13135.8
10°	14773.0	16275.3	17353.9	17623.6	17084.3	15928.6	14349.3	13001.0	12461.7	12365.4
12.5°	14137.4	15582.0	16641.3	17007.2	16756.9	15755.3	14098.9	12558.0	12018.7	11883.9
15°	13790.7	15119.7	15813.1	15928.6	15909.4	15485.6	14098.9	12654.3	12057.2	11903.1
17.5°	14079.6	14984.9	15081.2	14811.5	14965.6	15177.5	14407.0	13174.4	12596.5	12461.7
20°	14657.4	14927.1	14464.8	14060.4	14137.4	14811.5	14888.6	14156.7	13694.4	13463.3
22.5°	15870.9	15139.0	14079.6	13521.1	13578.8	14522.6	15524.2	15485.6	15081.2	14965.6
25°	17103.6	15736.0	13964.0	13309.2	13386.2	14464.8	16275.3	16968.7	16756.9	16699.1
27.5°	18471.1	16737.6	14041.1	13212.9	13309.2	14541.9	16795.4	18220.7	18259.2	18201.4
30°	19395.6	17219.1	14272.2	13328.4	13463.3	14734.5	16910.9	18971.8	19318.5	19337.8
32.5°	20166.0	17700.6	14753.7	13521.1	13752.2	15081.2	17219.1	19684.5	20454.9	20474.2
35°	20782.4	18239.9	15350.8	13867.7	14214.4	15659.0	17623.6	20358.6	21514.3	21649.1
37.5°	21572.0	18837.0	16044.2	14618.9	15004.1	16487.2	18336.2	21148.3	22766.2	23132.2
40°	22419.5	19434.1	17045.8	15832.3	16390.9	17719.9	19145.2	22034.3	23825.6	24326.3
42.5°	23363.3	20069.7	18182.2	17469.5	18317.0	19280.0	20069.7	22843.3	24634.5	25212.3
45°	24287.8	20840.1	19838.6	19703.8	20647.5	21129.1	20975.0	23421.1	25404.9	25982.8
47.5°	24942.7	21957.3	21841.7	22650.7	23536.6	23286.3	22034.3	23844.8	26040.5	26676.2
50°	25539.8	23344.0	24364.9	25944.2	26483.5	25636.1	23170.7	24422.6	26714.7	27427.3
52.5°	26425.8	24827.1	26965.1	28929.7	29449.7	28101.4	24403.4	25366.4	27754.8	28390.4
55°	28236.3	26502.8	29680.8	31934.3	32030.6	30355.0	26059.8	26965.1	29218.6	29950.5
57.5°	30258.7	28563.7	31838.0	34419.0	34380.5	32608.5	27928.1	29122.3	31202.4	31703.2
60°	32088.4	30643.9	34187.8	36191.0	36094.7	34245.6	30104.6	31568.4	33475.2	33860.4
62.5°	33167.0	32531.4	35227.9	36749.5	36383.6	34784.9	31953.6	33744.8	35093.1	35227.9
65°	32993.7	33610.0	34014.5	34958.3	34438.2	33282.6	32858.9	35131.6	35266.4	35131.6
67.5°	31683.9	32993.7	30682.4	30778.7	30509.0	29526.7	31452.8	34765.7	33841.2	33513.7
70°	29700.1	29796.4	25655.3	24441.9	24865.6	23517.4	26984.3	31915.1	30489.8	30085.3
72.5°	26406.5	25212.3	19395.6	18162.9	18798.5	17835.5	21649.1	27812.5	26425.8	25116.0
75°	22149.9	19973.4	14773.0	13020.3	13347.7	13309.2	16776.1	22978.1	20474.2	19164.5
77.5°	17161.3	15562.7	10901.6	10227.5	9880.8	9957.8	11710.5	17084.3	14850.0	13212.9
80°	12538.8	10882.3	8436.2	8821.4	8628.8	8166.6	8205.1	11440.9	10323.8	9341.5
82.5°	8667.3	7742.8	6837.6	7723.6	7261.3	6548.7	6394.6	8243.6	7742.8	7145.7
85°	5816.7	6375.3	5431.5	5913.1	5123.4	4718.9	6009.4	6895.4	5566.4	4969.3
87.5°	3794.4	5836.0	3909.9	2966.2	1694.9	2272.8	3678.8	4526.3	2600.2	1406.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)