

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: P598740

Luminaire Tested: **IFLD-S-SA3D-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: P598740
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3D-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

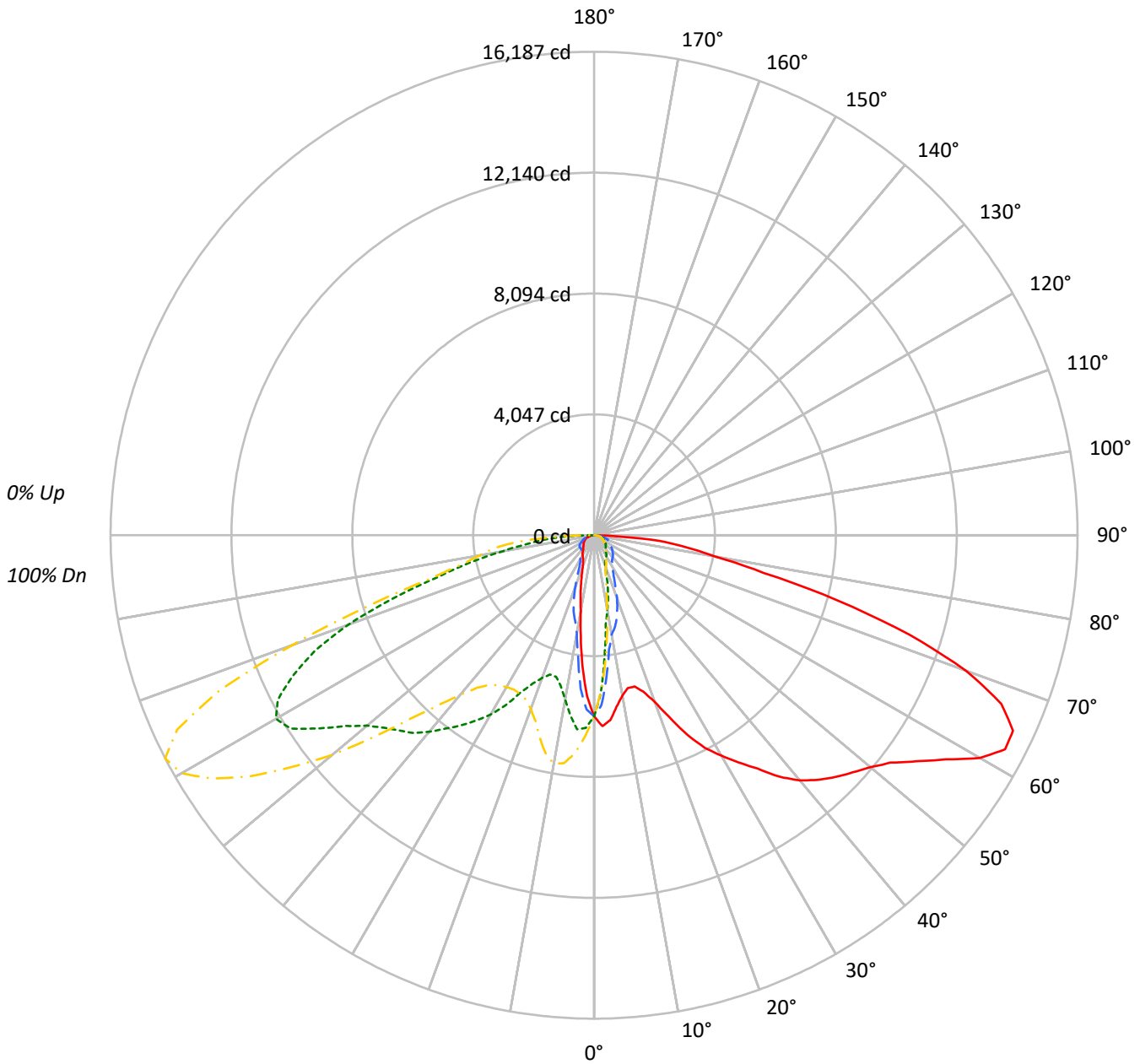
Lumens per Lamp: N/A
 Luminaire Lumens: 20278.4 lumens
 Efficiency: N/A
 Efficacy: 110.1 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 184.1
 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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100	
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77			77	
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59			59	
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46			46	
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36			36	
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30			30	
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25			25	
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21			21	
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18			18	
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16			16	
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14			14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	86937	86937	86937	86937
5°	89469	58180	63558	93992
10°	79376	36968	37340	81232
15°	77903	26220	24832	72860
20°	90573	16585	16715	77616
25°	116480	14241	13837	91759
30°	141160	13498	12654	114868
35°	167075	11891	11446	136156
40°	200750	11286	10490	160855
45°	232291	11194	10160	187521
50°	269742	11365	10228	221438
55°	330099	11675	10402	282125
60°	428111	11688	10959	352861
65°	525512	11811	11237	377711
70°	556078	12459	11749	367752
75°	468093	13175	11761	300148
80°	340077	15422	11918	259444
85°	360445	22346	9781	269630

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.8	2.3
10°-20°	981.1	4.8
20°-30°	1413.9	7.0
30°-40°	2035.5	10.0
40°-50°	2891.3	14.3
50°-60°	4156.8	20.5
60°-70°	4802.5	23.7
70°-80°	2719.3	13.4
80°-90°	809.3	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°	2863.9	14.1
0°-40°	4899.3	24.2
0°-60°	11947.4	58.9
0°-90°	20278.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20278.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6058	6058	6058	6058	6058	
5°	6210	4038	4412	6524	6210	563
15°	5243	1765	1671	4904	5243	1542
25°	7356	899	874	5794	7356	3414
35°	9536	679	653	7771	9536	6052
45°	11445	552	501	9239	11445	8862
55°	13192	467	416	11275	13192	11948
65°	15475	348	331	11122	15475	14839
75°	8442	238	212	5413	8442	8957
85°	2189	136	59	1637	2189	2180
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°	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5
2.5°	6396.9	6388.4	6337.5	6176.3	6006.6	5845.4	5692.7	5531.5	5446.7	5344.9	5302.5
5°	6210.2	6193.3	6049.1	5692.7	5378.8	5039.5	4751.0	4521.9	4335.3	4148.6	4080.8
7.5°	5786.0	5760.6	5590.9	5098.9	4640.7	4199.6	3851.7	3554.8	3308.7	3198.4	3071.2
10°	5446.7	5404.3	5183.7	4640.7	4046.8	3605.7	3376.6	3173.0	2960.9	2782.7	2596.1
12.5°	5234.6	5183.7	4954.6	4318.3	3741.4	3410.5	3173.0	2943.9	2680.9	2460.3	2256.7
15°	5243.1	5183.7	4903.7	4233.5	3665.1	3240.9	2910.0	2596.1	2290.7	2044.6	1815.6
17.5°	5489.1	5412.8	5115.8	4352.3	3605.7	3020.3	2579.1	2171.9	1824.0	1561.0	1374.4
20°	5930.3	5879.4	5540.0	4530.4	3546.3	2782.7	2239.8	1747.7	1382.9	1179.3	1102.9
22.5°	6592.0	6532.6	6167.8	4801.9	3529.3	2570.6	1875.0	1374.4	1111.4	1026.6	984.1
25°	7355.6	7245.3	6905.9	5260.0	3563.3	2375.5	1578.0	1136.8	992.6	933.2	907.8
27.5°	8017.3	7949.5	7567.7	5692.7	3580.2	2222.8	1374.4	1035.0	924.7	873.8	856.9
30°	8517.9	8492.4	8119.1	6167.8	3537.8	2036.1	1247.1	992.6	924.7	873.8	822.9
32.5°	9018.4	9026.9	8628.2	6532.6	3478.4	1875.0	1128.4	882.3	814.5	780.5	789.0
35°	9536.0	9578.4	9239.0	6889.0	3351.2	1815.6	1043.5	822.9	763.6	712.7	687.2
37.5°	10189.2	10299.5	9968.6	7287.7	3223.9	1764.7	1001.1	780.5	721.1	678.7	644.8
40°	10715.2	10918.8	10723.7	7661.0	3139.1	1705.3	967.2	738.1	695.7	644.8	619.3
42.5°	11105.5	11343.0	11275.2	7949.5	3139.1	1645.9	933.2	712.7	678.7	619.3	585.4
45°	11444.8	11690.9	11682.4	8246.4	3206.9	1611.9	890.8	712.7	661.7	602.4	568.4
47.5°	11750.3	11996.3	12081.1	8619.7	3317.2	1595.0	839.9	695.7	661.7	593.9	543.0
50°	12081.1	12352.6	12607.1	9213.6	3453.0	1552.6	806.0	670.2	670.2	585.4	526.0
52.5°	12505.3	12810.8	13277.4	9951.7	3588.7	1476.2	755.1	653.3	670.2	576.9	509.0
55°	13192.5	13447.1	14057.9	10834.0	3758.4	1382.9	712.7	610.8	636.3	551.5	483.6
57.5°	13964.6	14185.2	14694.2	11512.7	3809.3	1264.1	653.3	568.4	610.8	526.0	449.6
60°	14914.8	15025.1	15025.1	11707.8	3639.6	1153.8	610.8	534.5	551.5	500.6	424.2
62.5°	15517.1	15517.1	15025.1	11351.5	3317.2	1060.5	576.9	500.6	483.6	466.6	398.7
65°	15474.7	15406.8	14677.2	10316.5	2943.9	1001.1	543.0	458.1	432.7	424.2	373.3
67.5°	14762.1	14643.3	13650.7	8857.2	2553.7	975.7	509.0	415.7	398.7	381.8	339.4
70°	13251.9	12946.5	11724.8	7126.5	2171.9	958.7	500.6	381.8	364.8	347.8	313.9
72.5°	11063.1	10672.8	9154.2	5480.6	1824.0	899.3	475.1	339.4	330.9	313.9	280.0
75°	8441.5	7720.4	6388.4	4191.1	1416.8	780.5	407.2	296.9	296.9	288.5	254.5
77.5°	5820.0	5446.7	4454.1	3096.6	1035.0	602.4	330.9	263.0	263.0	271.5	237.6
80°	4114.7	3766.9	3173.0	2222.8	653.3	407.2	254.5	220.6	246.0	263.0	220.6
82.5°	3147.5	2893.0	2358.5	1620.4	381.8	280.0	195.1	178.2	212.1	229.1	186.6
85°	2188.9	1883.4	1196.2	1085.9	220.6	169.7	144.2	144.2	186.6	229.1	169.7
87.5°	619.3	263.0	76.4	322.4	93.3	67.9	50.9	33.9	50.9	50.9	33.9
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°	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5
2.5°	5260.0	5209.1	5209.1	5192.2	5200.7	5209.1	5200.7	5260.0	5285.5	5319.4	5387.3
5°	4038.4	4106.2	4055.3	4106.2	4174.1	4275.9	4301.4	4377.7	4386.2	4445.6	4411.7
7.5°	2994.8	2986.3	2943.9	3003.3	3190.0	3334.2	3402.1	3444.5	3453.0	3453.0	3410.5
10°	2536.7	2460.3	2384.0	2341.6	2358.5	2511.2	2562.2	2587.6	2570.6	2596.1	2562.2
12.5°	2171.9	2104.0	1993.7	1917.4	1866.5	1908.9	1959.8	1985.2	2002.2	2044.6	2078.6
15°	1764.7	1696.8	1628.9	1586.5	1544.1	1510.1	1552.6	1578.0	1620.4	1654.4	1671.3
17.5°	1340.5	1306.5	1272.6	1298.0	1298.0	1281.1	1298.0	1306.5	1323.5	1348.9	1340.5
20°	1085.9	1077.5	1069.0	1111.4	1145.3	1145.3	1162.3	1136.8	1128.4	1102.9	1094.4
22.5°	967.2	967.2	975.7	1009.6	1043.5	1060.5	1060.5	1018.1	975.7	958.7	967.2
25°	899.3	899.3	924.7	933.2	950.2	950.2	958.7	916.3	890.8	865.4	873.8
27.5°	848.4	848.4	856.9	856.9	865.4	865.4	873.8	856.9	822.9	814.5	814.5
30°	814.5	814.5	806.0	806.0	806.0	806.0	814.5	789.0	772.0	763.6	763.6
32.5°	780.5	772.0	763.6	763.6	755.1	755.1	763.6	738.1	729.6	729.6	729.6
35°	678.7	670.2	678.7	695.7	695.7	704.2	704.2	695.7	678.7	661.7	653.3
37.5°	636.3	627.8	627.8	627.8	644.8	653.3	661.7	644.8	619.3	593.9	593.9
40°	602.4	602.4	593.9	593.9	593.9	610.8	627.8	602.4	568.4	559.9	559.9
42.5°	576.9	568.4	559.9	551.5	543.0	568.4	585.4	551.5	534.5	534.5	534.5
45°	551.5	543.0	534.5	526.0	517.5	526.0	543.0	509.0	500.6	500.6	500.6
47.5°	526.0	517.5	500.6	492.1	483.6	483.6	500.6	475.1	466.6	475.1	475.1
50°	509.0	492.1	475.1	466.6	458.1	458.1	458.1	449.6	449.6	449.6	458.1
52.5°	492.1	475.1	449.6	441.2	432.7	432.7	432.7	432.7	424.2	432.7	441.2
55°	466.6	449.6	432.7	424.2	415.7	407.2	415.7	407.2	407.2	415.7	415.7
57.5°	432.7	415.7	398.7	398.7	390.3	390.3	398.7	390.3	390.3	398.7	398.7
60°	407.2	390.3	373.3	373.3	364.8	373.3	381.8	373.3	373.3	373.3	381.8
62.5°	373.3	364.8	347.8	347.8	347.8	347.8	356.3	347.8	356.3	356.3	356.3
65°	347.8	330.9	322.4	322.4	322.4	322.4	339.4	322.4	330.9	330.9	330.9
67.5°	322.4	305.4	296.9	296.9	296.9	296.9	313.9	296.9	305.4	313.9	305.4
70°	296.9	280.0	271.5	271.5	271.5	271.5	280.0	271.5	271.5	280.0	280.0
72.5°	263.0	254.5	246.0	246.0	237.6	246.0	254.5	246.0	246.0	246.0	246.0
75°	237.6	229.1	229.1	220.6	220.6	220.6	229.1	212.1	212.1	212.1	212.1
77.5°	220.6	203.6	203.6	203.6	195.1	203.6	195.1	178.2	178.2	178.2	178.2
80°	186.6	169.7	178.2	178.2	169.7	169.7	161.2	144.2	144.2	144.2	144.2
82.5°	152.7	135.7	144.2	144.2	144.2	144.2	127.3	118.8	110.3	101.8	101.8
85°	135.7	110.3	127.3	127.3	118.8	118.8	84.8	84.8	67.9	67.9	59.4
87.5°	25.5	17.0	33.9	42.4	42.4	50.9	33.9	42.4	25.5	17.0	17.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5
2.5°	5378.8	5472.1	5599.4	5692.7	5837.0	5947.2	6116.9	6261.2	6396.9	6456.3	6515.7
5°	4513.5	4572.8	4768.0	4920.7	5149.8	5395.8	5701.2	6032.1	6371.4	6524.2	6702.3
7.5°	3376.6	3486.9	3597.2	3817.8	4097.7	4496.5	4886.8	5378.8	5853.9	6083.0	6388.4
10°	2621.5	2706.4	2833.6	3062.7	3325.7	3656.6	4123.2	4708.6	5277.0	5574.0	5887.9
12.5°	2104.0	2222.8	2392.5	2630.0	2935.4	3274.8	3614.2	4157.1	4818.9	5158.2	5514.6
15°	1705.3	1798.6	1985.2	2282.2	2638.5	2986.3	3342.7	3792.3	4513.5	4903.7	5327.9
17.5°	1357.4	1425.3	1595.0	1891.9	2248.2	2638.5	3045.7	3614.2	4411.7	4886.8	5387.3
20°	1102.9	1153.8	1264.1	1484.7	1824.0	2248.2	2757.3	3444.5	4471.0	5081.9	5692.7
22.5°	967.2	984.1	1035.0	1153.8	1433.8	1883.4	2494.3	3300.3	4581.3	5370.3	6193.3
25°	873.8	890.8	907.8	984.1	1145.3	1569.5	2265.2	3215.4	4818.9	5794.5	6770.2
27.5°	814.5	831.4	839.9	873.8	984.1	1340.5	2070.1	3164.5	5141.3	6413.9	7482.8
30°	763.6	763.6	789.0	839.9	916.3	1179.3	1900.4	3045.7	5480.6	6931.4	8042.8
32.5°	721.1	729.6	763.6	789.0	839.9	1043.5	1730.7	2893.0	5786.0	7355.6	8594.2
35°	644.8	644.8	653.3	695.7	763.6	933.2	1578.0	2740.3	5955.7	7771.3	9086.3
37.5°	593.9	602.4	619.3	653.3	712.7	856.9	1450.8	2570.6	6133.9	8161.6	9663.2
40°	559.9	568.4	585.4	619.3	678.7	789.0	1340.5	2434.9	6320.5	8585.8	10282.5
42.5°	534.5	543.0	559.9	593.9	644.8	772.0	1221.7	2324.6	6430.8	8976.0	10867.9
45°	509.0	517.5	543.0	576.9	619.3	755.1	1153.8	2248.2	6473.2	9239.0	11334.5
47.5°	483.6	492.1	517.5	568.4	619.3	729.6	1128.4	2205.8	6507.2	9536.0	11707.8
50°	458.1	475.1	509.0	559.9	627.8	695.7	1111.4	2197.3	6702.3	9917.7	12064.2
52.5°	441.2	466.6	500.6	559.9	619.3	644.8	1102.9	2222.8	7092.6	10486.2	12573.2
55°	424.2	449.6	483.6	559.9	593.9	602.4	1060.5	2265.2	7686.5	11275.2	13294.3
57.5°	407.2	424.2	466.6	543.0	559.9	568.4	975.7	2324.6	8280.3	12047.2	14032.4
60°	381.8	398.7	441.2	543.0	509.0	534.5	865.4	2341.6	8704.5	12293.2	14100.3
62.5°	356.3	373.3	415.7	559.9	466.6	500.6	772.0	2282.2	8789.4	11936.9	13718.5
65°	330.9	347.8	381.8	466.6	432.7	466.6	712.7	2121.0	8509.4	11122.4	13022.9
67.5°	305.4	322.4	347.8	381.8	390.3	424.2	687.2	1866.5	7805.2	10112.9	12072.7
70°	271.5	288.5	313.9	339.4	347.8	398.7	644.8	1620.4	6668.4	8763.9	10910.4
72.5°	246.0	254.5	280.0	296.9	313.9	364.8	619.3	1416.8	5098.9	7092.6	8899.7
75°	212.1	212.1	237.6	254.5	271.5	322.4	568.4	1179.3	3597.2	5412.8	6541.1
77.5°	178.2	178.2	195.1	212.1	229.1	280.0	483.6	958.7	2494.3	4292.9	4742.5
80°	135.7	135.7	152.7	169.7	186.6	237.6	390.3	704.2	1544.1	3139.1	3453.0
82.5°	93.3	93.3	118.8	127.3	135.7	186.6	296.9	483.6	907.8	2265.2	2468.8
85°	50.9	50.9	67.9	76.4	93.3	135.7	220.6	339.4	543.0	1637.4	1645.9
87.5°	8.5	8.5	25.5	25.5	42.4	67.9	127.3	186.6	305.4	907.8	576.9
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: P598740
 CATALOG NUMBER: IFLD-S-SA3D-750-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5	6057.5
2.5°	6626.0	6719.3	6727.8	6727.8	6685.3	6693.8	6575.1	6447.8	6405.4	6396.9
5°	6973.8	7219.8	7287.7	7321.6	7211.4	7041.7	6736.3	6405.4	6235.7	6210.2
7.5°	6905.9	7398.0	7661.0	7694.9	7474.4	7075.6	6541.1	6032.1	5837.0	5786.0
10°	6507.2	7168.9	7644.0	7762.8	7525.3	7016.2	6320.5	5726.7	5489.1	5446.7
12.5°	6227.2	6863.5	7330.1	7491.3	7381.0	6939.9	6210.2	5531.5	5294.0	5234.6
15°	6074.5	6659.9	6965.3	7016.2	7007.7	6821.1	6210.2	5574.0	5310.9	5243.1
17.5°	6201.8	6600.5	6642.9	6524.2	6592.0	6685.3	6346.0	5803.0	5548.5	5489.1
20°	6456.3	6575.1	6371.4	6193.3	6227.2	6524.2	6558.1	6235.7	6032.1	5930.3
22.5°	6990.8	6668.4	6201.8	5955.7	5981.2	6396.9	6838.1	6821.1	6642.9	6592.0
25°	7533.7	6931.4	6150.9	5862.4	5896.3	6371.4	7168.9	7474.4	7381.0	7355.6
27.5°	8136.1	7372.5	6184.8	5820.0	5862.4	6405.4	7398.0	8025.8	8042.8	8017.3
30°	8543.3	7584.6	6286.6	5870.9	5930.3	6490.2	7448.9	8356.7	8509.4	8517.9
32.5°	8882.7	7796.7	6498.7	5955.7	6057.5	6642.9	7584.6	8670.6	9009.9	9018.4
35°	9154.2	8034.3	6761.7	6108.4	6261.2	6897.4	7762.8	8967.5	9476.6	9536.0
37.5°	9502.0	8297.3	7067.1	6439.3	6609.0	7262.3	8076.7	9315.4	10028.0	10189.2
40°	9875.3	8560.3	7508.3	6973.8	7219.8	7805.2	8433.0	9705.6	10494.6	10715.2
42.5°	10291.0	8840.3	8008.8	7694.9	8068.2	8492.4	8840.3	10062.0	10851.0	11105.5
45°	10698.3	9179.6	8738.5	8679.1	9094.8	9306.9	9239.0	10316.5	11190.3	11444.8
47.5°	10986.7	9671.7	9620.8	9977.1	10367.4	10257.1	9705.6	10503.1	11470.3	11750.3
50°	11249.7	10282.5	10732.2	11427.9	11665.4	11292.1	10206.2	10757.6	11767.2	12081.1
52.5°	11640.0	10935.8	11877.5	12742.9	12971.9	12378.1	10749.2	11173.4	12225.4	12505.3
55°	12437.5	11673.9	13073.8	14066.4	14108.8	13370.7	11478.8	11877.5	12870.1	13192.5
57.5°	13328.3	12581.7	14024.0	15160.8	15143.8	14363.3	12301.7	12827.7	13744.0	13964.6
60°	14134.2	13498.0	15059.0	15941.3	15898.9	15084.5	13260.4	13905.2	14745.1	14914.8
62.5°	14609.4	14329.4	15517.1	16187.4	16026.2	15322.0	14074.9	14863.9	15457.7	15517.1
65°	14533.0	14804.5	14982.6	15398.4	15169.3	14660.3	14473.6	15474.7	15534.1	15474.7
67.5°	13956.1	14533.0	13514.9	13557.3	13438.6	13005.9	13854.3	15313.5	14906.3	14762.1
70°	13082.2	13124.7	11300.6	10766.1	10952.8	10358.9	11886.0	14057.9	13430.1	13251.9
72.5°	11631.5	11105.5	8543.3	8000.4	8280.3	7856.1	9536.0	12250.8	11640.0	11063.1
75°	9756.5	8797.8	6507.2	5735.1	5879.4	5862.4	7389.5	10121.3	9018.4	8441.5
77.5°	7559.2	6855.0	4801.9	4505.0	4352.3	4386.2	5158.2	7525.3	6541.1	5820.0
80°	5523.0	4793.4	3716.0	3885.6	3800.8	3597.2	3614.2	5039.5	4547.4	4114.7
82.5°	3817.8	3410.5	3011.8	3402.1	3198.4	2884.5	2816.7	3631.1	3410.5	3147.5
85°	2562.2	2808.2	2392.5	2604.6	2256.7	2078.6	2647.0	3037.3	2451.9	2188.9
87.5°	1671.3	2570.6	1722.2	1306.5	746.6	1001.1	1620.4	1993.7	1145.3	619.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)