

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: P599001

Luminaire Tested: **IFLD-S-SA3D-750-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599001
 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-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (48) 5000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

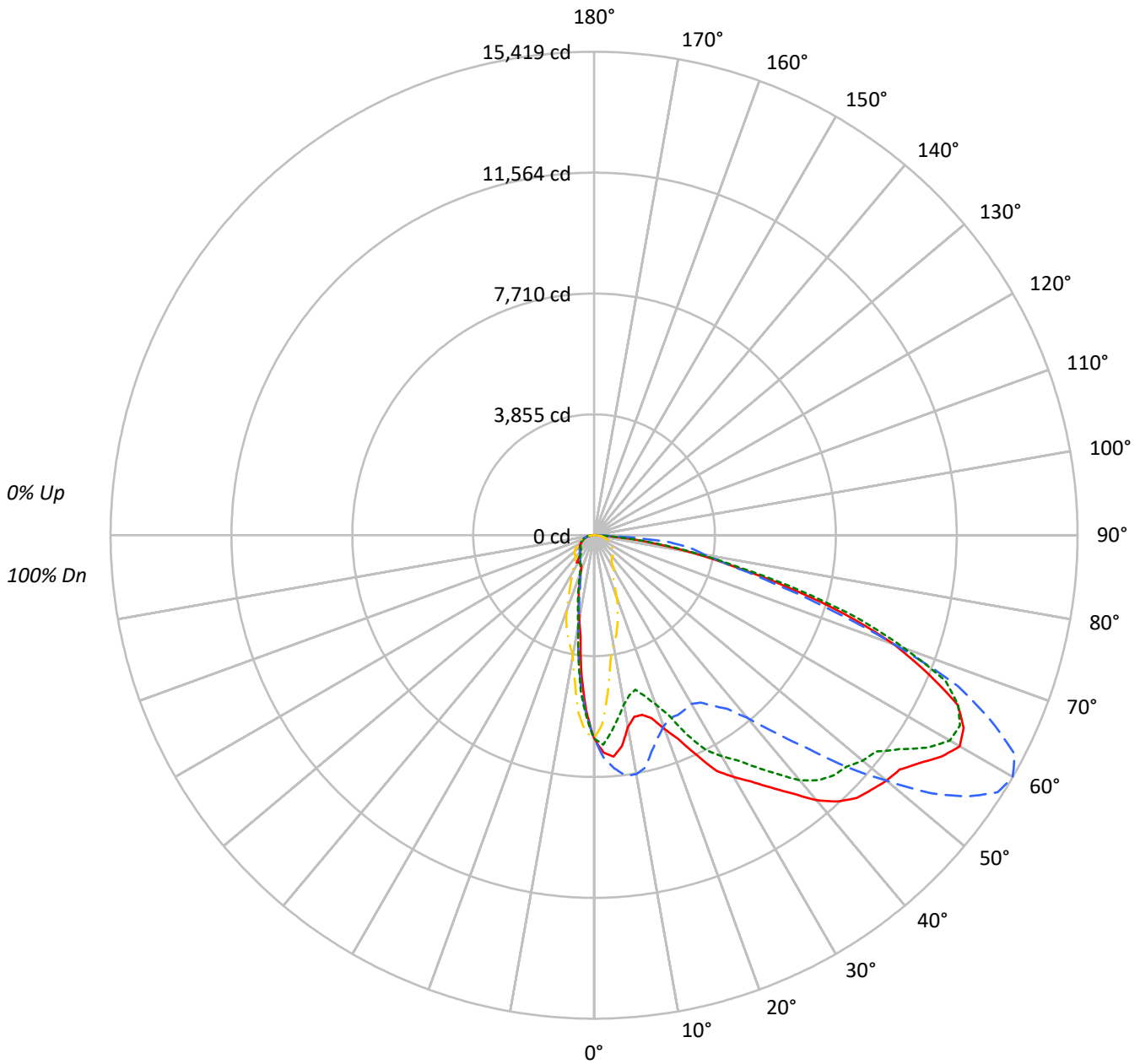
Lumens per Lamp: N/A
 Luminaire Lumens: 20279.0 lumens
 Efficiency: N/A
 Efficacy: 110.2 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

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

TEST NUMBER: P599001
CATALOG NUMBER: IFLD-S-SA3D-750-U-SLL

Luminous Intensity Polar Plot



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

TEST NUMBER: P599001
 CATALOG NUMBER: IFLD-S-SA3D-750-U-SLL

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77	77	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60	60	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47	47	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38	38	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31	31	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26	26	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22	22	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19	19	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17	17	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15	15	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	92957	92957	92957	92957
5°	102125	90720	65059	71021
10°	90458	79840	39460	42346
15°	88084	75786	27935	29005
20°	100435	87656	18273	20197
25°	122368	111115	15954	16524
30°	147441	134768	16547	15356
35°	171954	158241	13711	12925
40°	206627	191122	12809	12135
45°	240464	219650	12963	12050
50°	271758	249662	13256	12452
55°	316928	297571	13729	13056
60°	386548	375959	13686	13686
65°	434413	435024	14052	14664
70°	426935	442033	14720	15098
75°	352178	375622	15465	16464
80°	254279	266916	17100	17844
85°	140726	151101	19250	23696

TEST NUMBER: P599001
 CATALOG NUMBER: IFLD-S-SA3D-750-U-SLL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.2	2.5
10°-20°	1062.4	5.2
20°-30°	1554.4	7.7
30°-40°	2190.0	10.8
40°-50°	3009.7	14.8
50°-60°	4101.9	20.2
60°-70°	4489.4	22.1
70°-80°	2591.9	12.8
80°-90°	776.2	3.8
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°	3119.9	15.4
0°-40°	5309.9	26.2
0°-60°	12421.6	61.3
0°-90°	20279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20279.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6477	6477	6477	6477	6477	
5°	7089	6297	4516	4930	7089	644
15°	5928	5101	1880	1952	5928	1732
25°	7727	7017	1008	1044	7727	3618
35°	9814	9032	783	738	9814	6223
45°	11848	10822	639	594	11848	9106
55°	12666	11892	549	522	12666	11429
65°	12792	12810	414	432	12792	12243
75°	6351	6774	279	297	6351	6822
85°	855	918	117	144	855	1186
90°	0	0	0	0	0	

TEST NUMBER: P599001
 CATALOG NUMBER: IFLD-S-SA3D-750-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0
2.5°	6935.8	6908.8	6935.8	7034.7	7061.7	7106.7	7106.7	7043.7	6926.8	6872.8	6782.9
5°	7088.7	7043.7	7268.6	7475.5	7637.5	7619.5	7466.5	7340.6	7106.7	6755.9	6423.0
7.5°	6782.9	6827.8	6989.8	7529.5	7907.3	7979.3	7736.4	7484.5	6980.8	6495.0	6045.2
10°	6207.1	6270.1	6620.9	7178.7	7772.4	7889.4	7736.4	7430.6	6827.8	6225.1	5703.4
12.5°	5928.3	6072.2	6279.1	6953.8	7376.6	7655.5	7583.5	7385.6	6710.9	6000.2	5496.5
15°	5928.3	5964.2	6270.1	6836.8	7079.7	7088.7	7115.7	7151.7	6746.9	6099.2	5424.5
17.5°	6117.2	6216.1	6477.0	6827.8	6872.8	6764.9	6764.9	6917.8	6818.8	6378.1	5685.4
20°	6576.0	6540.0	6881.8	7025.8	6782.9	6513.0	6486.0	6746.9	6899.8	6674.9	6162.2
22.5°	7034.7	7196.7	7475.5	7151.7	6701.9	6342.1	6306.1	6629.9	7142.7	7187.7	6710.9
25°	7727.4	7889.4	8033.3	7637.5	6692.9	6297.1	6324.1	6576.0	7439.6	7916.3	7628.5
27.5°	8474.1	8573.0	8779.9	8168.2	6908.8	6243.1	6270.1	6647.9	7718.4	8393.1	8348.1
30°	8896.9	9004.8	8959.9	8267.2	7052.7	6279.1	6207.1	6746.9	7565.5	8393.1	8815.9
32.5°	9310.7	9247.7	9220.7	8429.1	7232.7	6504.0	6324.1	6953.8	7655.5	8528.1	9418.6
35°	9814.5	9724.5	9652.5	8744.0	7529.5	6719.9	6638.9	7223.7	7853.4	8806.9	9904.4
37.5°	10372.2	10372.2	10021.4	8977.8	7880.4	7070.7	6980.8	7610.5	8168.2	8977.8	10570.1
40°	11028.9	11055.9	10435.2	9292.7	8276.2	7628.5	7601.5	8114.2	8474.1	9229.7	11208.8
42.5°	11514.7	11532.7	10795.0	9409.6	8735.0	8402.1	8519.1	8923.9	8824.9	9454.6	11253.8
45°	11847.5	11757.6	11046.9	9742.5	9238.7	9562.6	9598.6	9715.5	9283.7	9589.6	11433.7
47.5°	12009.4	11991.5	11154.8	10129.3	10300.2	10741.0	10947.9	10786.0	9706.5	9445.6	11433.7
50°	12171.4	12018.4	11253.8	10660.1	11334.8	12225.3	12180.4	11883.5	10291.2	9625.5	11262.8
52.5°	12279.3	12144.4	11451.7	11136.9	12324.3	13331.8	13511.8	12963.0	10974.9	9958.4	11343.8
55°	12666.1	12558.2	12045.4	11784.6	13466.8	14501.3	14528.3	13763.6	11694.6	10507.1	11874.5
57.5°	13133.9	13196.9	12864.1	12702.1	14339.4	15355.9	15256.9	14357.4	12306.3	11172.8	12486.2
60°	13466.8	13565.7	13484.8	13502.8	14771.2	15643.8	15418.9	14726.2	12756.1	11676.6	13232.9
62.5°	13286.9	13484.8	13817.6	13745.6	14789.2	15436.9	15122.0	14240.4	12810.1	12333.3	13799.6
65°	12792.1	12810.1	13457.8	13853.6	13979.5	14366.4	13952.5	13223.9	12252.3	12738.1	13718.7
67.5°	11523.7	11667.6	12252.3	13026.0	12495.2	12585.2	12549.2	11496.7	11406.7	12459.2	13097.9
70°	10174.3	10273.3	10912.0	11820.5	10552.1	10129.3	10210.3	9427.6	9796.5	11595.6	11847.5
72.5°	8411.1	8474.1	9202.7	10003.4	8465.1	7709.4	7898.3	7259.6	7781.4	10147.3	9994.4
75°	6351.1	6468.0	7034.7	7979.3	6234.1	5748.3	5937.3	5676.4	6162.2	8357.1	7754.4
77.5°	4515.9	4426.0	5127.6	6243.1	4686.8	4399.0	4417.0	4461.9	4983.7	7043.7	5568.4
80°	3076.6	3103.6	3733.3	4578.9	3679.3	3634.3	3589.3	3949.2	4183.1	5577.4	4048.1
82.5°	1826.2	1826.2	2518.8	3256.5	2905.7	3274.5	3067.6	3391.4	3274.5	4102.1	2653.8
85°	854.6	854.6	1295.4	2347.9	2249.0	2698.8	2293.9	2563.8	2419.9	2860.7	1196.4
87.5°	143.9	125.9	260.9	1151.5	926.6	1052.5	413.8	1367.4	1520.3	1997.1	296.9
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: P599001
 CATALOG NUMBER: IFLD-S-SA3D-750-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0
2.5°	6683.9	6620.9	6495.0	6333.1	6198.1	6027.2	5973.2	5856.3	5694.4	5676.4	5604.4
5°	6297.1	6081.2	5811.3	5478.5	5253.6	5019.7	4821.8	4704.8	4569.9	4551.9	4515.9
7.5°	5874.3	5604.4	5154.6	4758.8	4372.0	4003.1	3823.2	3598.3	3445.4	3328.5	3274.5
10°	5478.5	5226.6	4668.8	4129.1	3787.2	3544.4	3328.5	3094.6	2905.7	2761.7	2707.7
12.5°	5217.6	4920.7	4318.0	3805.2	3553.4	3274.5	3031.6	2779.7	2536.8	2347.9	2249.0
15°	5100.6	4821.8	4210.1	3643.3	3274.5	2887.7	2608.8	2356.9	2060.0	1925.1	1880.1
17.5°	5379.5	4965.7	4174.1	3454.4	2932.6	2491.8	2150.0	1880.1	1664.2	1529.3	1475.3
20°	5739.3	5226.6	4237.0	3229.5	2608.8	2114.0	1736.2	1448.3	1304.4	1205.4	1196.4
22.5°	6198.1	5613.4	4336.0	3067.6	2249.0	1700.2	1358.4	1187.5	1088.5	1079.5	1061.5
25°	7016.8	6315.1	4497.9	2851.7	1961.1	1403.4	1160.5	1061.5	1016.5	989.5	1007.5
27.5°	7718.4	6773.9	4614.9	2716.7	1844.1	1322.4	1124.5	1016.5	971.6	962.6	971.6
30°	8132.2	7196.7	4578.9	2464.9	1610.3	1259.4	1196.4	1160.5	1070.5	998.5	998.5
32.5°	8510.1	7466.5	4569.9	2240.0	1376.4	1052.5	998.5	971.6	1025.5	1061.5	1034.5
35°	9031.8	7889.4	4542.9	2114.0	1277.4	971.6	881.6	809.6	773.6	755.7	782.6
37.5°	9589.6	8177.2	4470.9	2096.0	1223.4	926.6	854.6	782.6	746.7	728.7	719.7
40°	10201.3	8483.1	4390.0	2006.1	1196.4	899.6	827.6	764.6	719.7	692.7	683.7
42.5°	10597.1	8726.0	4309.0	1961.1	1142.5	881.6	800.6	746.7	701.7	665.7	665.7
45°	10822.0	9013.8	4228.0	1916.1	1079.5	890.6	800.6	728.7	674.7	656.7	638.7
47.5°	10921.0	9229.7	4201.1	1844.1	1025.5	854.6	782.6	710.7	656.7	620.7	611.7
50°	11181.8	9688.5	4300.0	1790.2	962.6	818.6	827.6	701.7	647.7	602.7	593.7
52.5°	11334.8	10057.3	4515.9	1709.2	917.6	773.6	809.6	683.7	620.7	575.7	575.7
55°	11892.5	10669.1	4749.8	1646.2	863.6	710.7	746.7	647.7	575.7	548.7	548.7
57.5°	12603.2	11316.8	4947.7	1619.3	827.6	665.7	665.7	629.7	548.7	512.8	503.8
60°	13097.9	11847.5	5064.7	1601.3	791.6	620.7	593.7	629.7	521.8	485.8	476.8
62.5°	13151.9	11541.7	4947.7	1592.3	782.6	575.7	539.8	602.7	494.8	458.8	440.8
65°	12810.1	10921.0	4623.9	1556.3	773.6	530.8	503.8	521.8	458.8	431.8	413.8
67.5°	12126.4	9913.4	4156.1	1538.3	764.6	494.8	458.8	449.8	422.8	395.8	377.8
70°	10534.1	8600.0	3607.3	1457.3	746.7	467.8	413.8	404.8	377.8	359.8	350.8
72.5°	8842.9	7034.7	2977.6	1349.4	710.7	422.8	377.8	359.8	350.8	323.9	314.9
75°	6773.9	5415.5	2383.9	1196.4	620.7	377.8	332.8	314.9	305.9	287.9	278.9
77.5°	4758.8	4030.1	1763.2	971.6	521.8	341.8	296.9	278.9	269.9	242.9	242.9
80°	3229.5	2824.7	1196.4	674.7	404.8	278.9	260.9	242.9	224.9	206.9	206.9
82.5°	2006.1	1979.1	863.6	440.8	296.9	224.9	206.9	206.9	179.9	161.9	161.9
85°	917.6	1214.4	602.7	305.9	224.9	170.9	170.9	161.9	143.9	116.9	116.9
87.5°	287.9	404.8	314.9	134.9	125.9	99.0	99.0	90.0	90.0	72.0	72.0
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: P599001
 CATALOG NUMBER: IFLD-S-SA3D-750-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0
2.5°	5676.4	5667.4	5667.4	5631.4	5721.4	5721.4	5775.3	5730.4	5757.3	5766.3	5838.3
5°	4506.9	4578.9	4632.9	4740.8	4803.8	4830.8	4830.8	4902.7	4875.7	4929.7	5037.7
7.5°	3301.5	3391.4	3553.4	3688.3	3796.2	3832.2	3823.2	3841.2	3868.2	3805.2	3823.2
10°	2671.8	2608.8	2662.8	2788.7	2887.7	3004.6	2914.7	2905.7	2932.6	2905.7	2959.6
12.5°	2231.0	2159.0	2114.0	2114.0	2186.0	2240.0	2213.0	2258.0	2356.9	2383.9	2446.9
15°	1808.2	1745.2	1709.2	1664.2	1736.2	1754.2	1781.2	1844.1	1916.1	1952.1	2024.1
17.5°	1448.3	1448.3	1448.3	1412.3	1439.3	1466.3	1475.3	1556.3	1565.3	1601.3	1628.2
20°	1187.5	1214.4	1259.4	1277.4	1304.4	1304.4	1286.4	1331.4	1295.4	1322.4	1340.4
22.5°	1070.5	1106.5	1124.5	1133.5	1169.5	1178.5	1133.5	1142.5	1151.5	1124.5	1133.5
25°	1007.5	1025.5	1007.5	1016.5	1025.5	1007.5	1016.5	1034.5	1025.5	1043.5	1034.5
27.5°	980.5	962.6	953.6	944.6	944.6	926.6	935.6	935.6	953.6	962.6	962.6
30°	980.5	953.6	917.6	890.6	890.6	863.6	881.6	899.6	908.6	926.6	926.6
32.5°	1007.5	953.6	890.6	863.6	836.6	818.6	836.6	863.6	899.6	908.6	917.6
35°	800.6	827.6	818.6	782.6	773.6	773.6	764.6	764.6	737.7	737.7	728.7
37.5°	719.7	710.7	728.7	737.7	746.7	719.7	719.7	683.7	674.7	683.7	683.7
40°	674.7	674.7	674.7	701.7	710.7	692.7	665.7	647.7	647.7	647.7	656.7
42.5°	656.7	638.7	629.7	647.7	674.7	656.7	629.7	620.7	620.7	629.7	629.7
45°	629.7	620.7	611.7	602.7	638.7	611.7	602.7	593.7	593.7	593.7	602.7
47.5°	602.7	593.7	575.7	575.7	584.7	575.7	566.7	566.7	566.7	584.7	584.7
50°	584.7	575.7	557.7	557.7	557.7	557.7	548.7	548.7	548.7	557.7	566.7
52.5°	557.7	548.7	539.8	530.8	530.8	530.8	530.8	530.8	530.8	539.8	548.7
55°	530.8	521.8	512.8	512.8	521.8	521.8	512.8	521.8	512.8	521.8	530.8
57.5°	503.8	494.8	485.8	494.8	503.8	494.8	494.8	494.8	494.8	494.8	503.8
60°	467.8	467.8	467.8	467.8	485.8	485.8	485.8	485.8	467.8	476.8	485.8
62.5°	449.8	440.8	440.8	449.8	458.8	458.8	467.8	458.8	449.8	458.8	458.8
65°	413.8	413.8	413.8	422.8	422.8	431.8	431.8	431.8	422.8	431.8	431.8
67.5°	386.8	386.8	386.8	386.8	404.8	404.8	404.8	404.8	395.8	395.8	404.8
70°	341.8	350.8	341.8	359.8	377.8	368.8	377.8	377.8	368.8	359.8	377.8
72.5°	314.9	314.9	314.9	314.9	341.8	341.8	341.8	350.8	341.8	332.8	341.8
75°	278.9	278.9	278.9	287.9	305.9	305.9	305.9	305.9	305.9	296.9	296.9
77.5°	242.9	251.9	242.9	251.9	269.9	260.9	269.9	278.9	269.9	260.9	260.9
80°	206.9	206.9	206.9	215.9	224.9	224.9	224.9	233.9	224.9	215.9	215.9
82.5°	161.9	161.9	170.9	170.9	179.9	179.9	179.9	188.9	179.9	170.9	170.9
85°	125.9	125.9	125.9	134.9	134.9	143.9	143.9	152.9	152.9	143.9	143.9
87.5°	81.0	72.0	81.0	81.0	90.0	90.0	81.0	72.0	81.0	72.0	63.0
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: P599001
 CATALOG NUMBER: IFLD-S-SA3D-750-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0
2.5°	5910.3	6072.2	6189.1	6270.1	6387.0	6611.9	6701.9	6863.8	6908.8	6935.8
5°	5082.6	5253.6	5505.5	5685.4	5892.3	6315.1	6638.9	6881.8	6989.8	7088.7
7.5°	3985.2	4210.1	4470.9	4704.8	5046.7	5568.4	5991.2	6495.0	6683.9	6782.9
10°	3112.6	3319.5	3607.3	3895.2	4372.0	4812.8	5415.5	5874.3	6135.2	6207.1
12.5°	2626.8	2869.7	3211.5	3562.4	3859.2	4363.0	4974.7	5640.4	5883.3	5928.3
15°	2231.0	2563.8	2914.7	3274.5	3616.3	4057.1	4713.8	5523.4	5883.3	5928.3
17.5°	1844.1	2141.0	2554.8	2941.6	3337.5	3940.2	4758.8	5622.4	5982.2	6117.2
20°	1466.3	1754.2	2078.0	2563.8	3103.6	3742.3	4857.8	5955.2	6432.0	6576.0
22.5°	1214.4	1340.4	1655.2	2123.0	2761.7	3607.3	4956.7	6477.0	6980.8	7034.7
25°	1061.5	1151.5	1349.4	1790.2	2491.8	3517.4	5190.6	7079.7	7727.4	7727.4
27.5°	989.5	1025.5	1160.5	1556.3	2302.9	3436.4	5424.5	7745.4	8348.1	8474.1
30°	971.6	1061.5	1133.5	1385.4	2096.0	3211.5	5640.4	8267.2	8887.9	8896.9
32.5°	953.6	935.6	989.5	1205.4	1844.1	2977.6	5820.3	8797.9	9283.7	9310.7
35°	746.7	782.6	872.6	1061.5	1655.2	2806.7	5910.3	9085.8	9787.5	9814.5
37.5°	701.7	746.7	818.6	980.5	1529.3	2662.8	5937.3	9643.5	10318.2	10372.2
40°	683.7	719.7	773.6	908.6	1430.3	2482.9	5991.2	10219.3	11100.9	11028.9
42.5°	647.7	692.7	746.7	872.6	1349.4	2347.9	6000.2	10534.1	11514.7	11514.7
45°	638.7	665.7	728.7	872.6	1259.4	2231.0	5856.3	10849.0	11991.5	11847.5
47.5°	602.7	656.7	710.7	845.6	1151.5	2114.0	5685.4	11010.9	12054.4	12009.4
50°	593.7	647.7	737.7	800.6	1088.5	2060.0	5649.4	11415.7	12180.4	12171.4
52.5°	575.7	629.7	764.6	764.6	1007.5	1988.1	5820.3	11595.6	12207.4	12279.3
55°	548.7	629.7	710.7	701.7	935.6	1898.1	6009.2	12063.4	12684.1	12666.1
57.5°	530.8	611.7	674.7	638.7	854.6	1835.2	6288.1	12513.2	13259.9	13133.9
60°	503.8	611.7	602.7	593.7	791.6	1781.2	6522.0	12603.2	13385.8	13466.8
62.5°	485.8	638.7	530.8	548.7	737.7	1754.2	6423.0	11928.5	13214.9	13286.9
65°	467.8	548.7	485.8	503.8	719.7	1700.2	6036.2	11118.9	12477.2	12792.1
67.5°	431.8	449.8	449.8	467.8	701.7	1574.3	5244.6	9661.5	11352.8	11523.7
70°	395.8	404.8	404.8	431.8	683.7	1430.3	4327.0	8357.1	9850.4	10174.3
72.5°	359.8	359.8	359.8	395.8	629.7	1313.4	3562.4	6423.0	8186.2	8411.1
75°	314.9	314.9	314.9	350.8	566.7	1196.4	2806.7	4776.8	6027.2	6351.1
77.5°	278.9	278.9	269.9	314.9	494.8	971.6	2024.1	3373.4	4246.0	4515.9
80°	233.9	224.9	224.9	251.9	386.8	701.7	1304.4	2383.9	2959.6	3076.6
82.5°	188.9	179.9	170.9	188.9	278.9	440.8	809.6	1664.2	1898.1	1826.2
85°	179.9	188.9	152.9	143.9	197.9	287.9	512.8	1025.5	854.6	854.6
87.5°	72.0	63.0	63.0	54.0	99.0	108.0	224.9	188.9	143.9	143.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)