

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: P599141

Luminaire Tested: **IFLD-S-SA2D-727-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599141
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2D-727-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (32) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

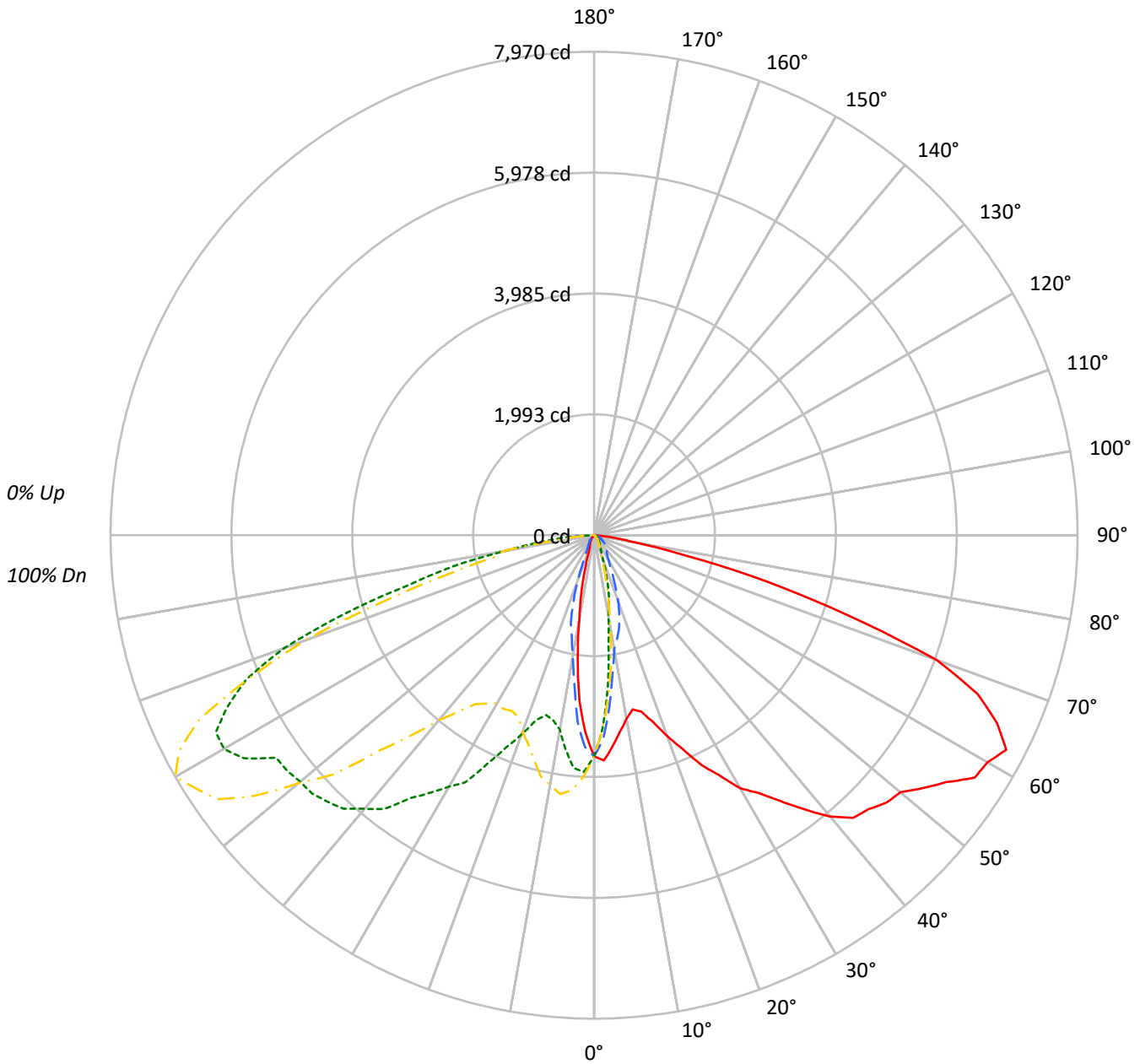
Lumens per Lamp: N/A
 Luminaire Lumens: 9527.2 lumens
 Efficiency: N/A
 Efficacy: 76.9 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 123.9
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	78409	78409	78409	78409
5°	75490	55175	59393	83205
10°	67211	30040	30433	71141
15°	67094	20036	12251	68353
20°	80559	10005	4884	80087
25°	99085	6285	3784	98595
30°	119720	5044	2874	118951
35°	140475	4050	2229	139059
40°	170066	3465	1444	165372
45°	194561	3127	782	189167
50°	220742	3011	171	211709
55°	266271	2894	0	240047
60°	322375	2433	0	303241
65°	373287	1961	0	339270
70°	377993	1618	0	342102
75°	244624	1065	0	262357
80°	83434	322	0	185651
85°	41867	0	0	136396

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.9	2.9
10°-20°	534.2	5.6
20°-30°	744.1	7.8
30°-40°	1057.3	11.1
40°-50°	1466.1	15.4
50°-60°	1997.6	21.0
60°-70°	2196.3	23.1
70°-80°	1079.4	11.3
80°-90°	176.3	1.9
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°	1554.2	16.3
0°-40°	2611.5	27.4
0°-60°	6075.2	63.8
0°-90°	9527.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9527.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3642	3642	3642	3642	3642	
5°	3493	2553	2748	3850	3493	320
15°	3010	899	550	3067	3010	891
25°	4171	265	159	4151	4171	1939
35°	5345	154	85	5291	5345	3393
45°	6391	103	26	6213	6391	4954
55°	7094	77	0	6396	7094	6382
65°	7328	38	0	6660	7328	7082
75°	2941	13	0	3154	2941	3206
85°	170	0	0	552	170	234
90°	0	0	0	0	0	

TEST NUMBER: P599141
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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2
2.5°	3716.7	3760.4	3719.3	3575.5	3549.8	3480.4	3375.1	3367.4	3256.9	3269.8	3210.7
5°	3493.3	3536.9	3449.6	3259.5	3082.3	2941.0	2856.3	2704.7	2671.3	2596.8	2596.8
7.5°	3264.7	3262.1	3113.1	2953.9	2689.3	2429.9	2311.7	2093.4	1965.0	1895.6	1828.8
10°	3074.6	3033.5	2941.0	2612.2	2324.6	2054.9	1908.4	1764.6	1631.0	1515.5	1399.9
12.5°	2941.0	2966.7	2820.3	2463.3	2090.8	1903.3	1746.6	1595.1	1435.8	1304.8	1176.4
15°	3010.4	2969.3	2797.2	2429.9	2052.3	1795.4	1587.4	1402.4	1225.2	1053.1	955.5
17.5°	3226.1	3120.8	2917.9	2429.9	1972.7	1631.0	1379.3	1161.0	970.9	816.8	696.1
20°	3516.4	3395.7	3177.3	2519.8	1913.6	1510.3	1166.1	891.3	693.5	549.7	457.2
22.5°	3814.3	3719.3	3390.5	2555.7	1844.2	1348.5	919.5	644.7	462.3	369.9	323.6
25°	4171.4	4037.8	3678.2	2699.6	1741.5	1191.8	724.3	449.5	344.2	295.4	267.1
27.5°	4456.5	4433.4	3947.9	2786.9	1664.4	1063.4	572.8	357.0	285.1	249.2	231.2
30°	4816.1	4690.2	4276.7	2961.6	1577.1	917.0	477.8	321.1	262.0	223.5	210.6
32.5°	5031.8	4972.8	4448.8	3059.2	1479.5	796.3	411.0	282.5	238.9	210.6	197.8
35°	5345.2	5227.0	4695.3	3120.8	1428.1	726.9	369.9	256.9	200.3	172.1	156.7
37.5°	5694.5	5650.9	4990.7	3118.2	1353.6	685.8	341.6	238.9	190.1	159.3	141.3
40°	6051.6	5874.3	5170.5	3190.2	1315.1	655.0	321.1	228.6	179.8	151.5	128.4
42.5°	6318.7	6115.8	5378.6	3164.5	1268.9	601.0	313.4	213.2	172.1	138.7	118.2
45°	6390.6	6318.7	5566.1	3156.8	1235.5	557.4	300.5	210.6	167.0	131.0	110.4
47.5°	6529.3	6480.5	5797.3	3169.6	1209.8	524.0	269.7	215.8	159.3	123.3	105.3
50°	6591.0	6503.6	5984.8	3200.4	1150.7	482.9	241.4	226.0	156.7	120.7	100.2
52.5°	6845.2	6768.2	6241.6	3287.8	1101.9	429.0	213.2	215.8	161.8	113.0	95.0
55°	7094.4	7007.1	6637.2	3488.1	1032.6	385.3	182.4	190.1	154.1	102.7	84.8
57.5°	7436.0	7292.2	6901.8	3570.3	970.9	326.2	161.8	156.7	143.8	92.5	74.5
60°	7487.4	7546.5	6863.2	3518.9	906.7	287.7	141.3	120.7	154.1	82.2	64.2
62.5°	7659.5	7412.9	6683.4	3400.8	860.5	264.6	125.9	100.2	133.6	71.9	53.9
65°	7328.1	7145.8	6262.2	3020.6	801.4	267.1	110.4	82.2	84.8	59.1	43.7
67.5°	6842.7	6698.8	5563.5	2607.1	742.3	262.0	97.6	71.9	64.2	51.4	38.5
70°	6005.3	5694.5	4726.2	2116.5	655.0	244.0	82.2	64.2	53.9	41.1	28.3
72.5°	4369.1	4243.3	3390.5	1636.2	588.2	220.9	77.1	53.9	46.2	30.8	23.1
75°	2941.0	2733.0	2139.6	1073.7	472.6	192.6	64.2	48.8	36.0	23.1	18.0
77.5°	1554.0	1469.2	1212.4	511.1	262.0	89.9	36.0	28.3	20.5	18.0	10.3
80°	673.0	598.5	524.0	208.1	92.5	41.1	23.1	15.4	12.8	10.3	5.1
82.5°	344.2	328.8	272.3	89.9	53.9	30.8	12.8	10.3	7.7	5.1	2.6
85°	169.5	174.7	143.8	28.3	30.8	18.0	2.6	2.6	0.0	0.0	0.0
87.5°	12.8	12.8	10.3	5.1	7.7	2.6	0.0	0.0	0.0	0.0	0.0
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°	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2
2.5°	3187.6	3223.6	3161.9	3200.4	3182.5	3190.2	3197.9	3177.3	3182.5	3254.4	3256.9
5°	2553.2	2622.5	2596.8	2632.8	2694.4	2663.6	2691.9	2686.7	2691.9	2702.1	2748.4
7.5°	1821.1	1800.6	1849.4	1944.4	2054.9	2121.6	2088.2	2070.3	2060.0	2034.3	2065.1
10°	1374.2	1363.9	1351.1	1379.3	1451.2	1525.7	1566.8	1497.5	1458.9	1410.1	1392.2
12.5°	1140.4	1076.2	1040.3	996.6	1017.2	1083.9	1086.5	1019.7	958.1	932.4	960.6
15°	899.0	855.3	791.1	729.5	698.7	750.0	706.4	642.1	562.5	552.2	549.7
17.5°	642.1	616.5	570.2	544.5	508.6	495.7	449.5	351.9	295.4	280.0	285.1
20°	436.7	416.1	413.5	390.4	375.0	364.7	290.2	226.0	208.1	210.6	213.2
22.5°	323.6	313.4	300.5	298.0	285.1	272.3	213.2	190.1	177.2	177.2	184.9
25°	264.6	259.4	246.6	241.4	236.3	218.3	179.8	161.8	156.7	151.5	159.3
27.5°	226.0	223.5	215.8	208.1	202.9	184.9	156.7	141.3	136.1	136.1	136.1
30°	202.9	202.9	192.6	177.2	177.2	156.7	133.6	123.3	118.2	118.2	115.6
32.5°	190.1	184.9	172.1	161.8	154.1	133.6	118.2	107.9	100.2	100.2	102.7
35°	154.1	154.1	151.5	143.8	133.6	113.0	100.2	89.9	84.8	82.2	84.8
37.5°	136.1	128.4	118.2	120.7	115.6	97.6	84.8	77.1	69.4	69.4	69.4
40°	123.3	115.6	105.3	97.6	95.0	87.3	74.5	61.6	53.9	51.4	51.4
42.5°	110.4	105.3	89.9	77.1	74.5	74.5	56.5	46.2	38.5	38.5	38.5
45°	102.7	95.0	82.2	66.8	53.9	56.5	46.2	33.4	28.3	25.7	25.7
47.5°	97.6	89.9	71.9	56.5	41.1	41.1	33.4	23.1	18.0	15.4	15.4
50°	89.9	82.2	64.2	46.2	30.8	25.7	20.5	12.8	7.7	5.1	5.1
52.5°	84.8	77.1	56.5	38.5	25.7	18.0	12.8	2.6	0.0	0.0	0.0
55°	77.1	66.8	48.8	30.8	20.5	10.3	2.6	0.0	0.0	0.0	0.0
57.5°	66.8	59.1	38.5	23.1	12.8	2.6	0.0	0.0	0.0	0.0	0.0
60°	56.5	48.8	30.8	18.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	46.2	41.1	23.1	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	38.5	30.8	18.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	33.4	25.7	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	25.7	18.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	18.0	12.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	12.8	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2
2.5°	3267.2	3344.3	3416.2	3436.7	3493.3	3649.9	3649.9	3724.4	3858.0	3906.8	3917.1
5°	2756.1	2838.3	2853.7	3012.9	3087.4	3246.7	3352.0	3603.7	3755.3	3850.3	3909.4
7.5°	2096.0	2124.2	2183.3	2332.3	2478.7	2671.3	2871.7	3192.7	3459.9	3567.7	3768.1
10°	1441.0	1525.7	1654.2	1787.7	2016.3	2229.5	2488.9	2792.0	3120.8	3254.4	3426.5
12.5°	970.9	1089.1	1294.6	1484.6	1695.3	1911.0	2157.6	2563.4	2935.9	3120.8	3292.9
15°	567.7	711.5	888.7	1197.0	1476.9	1718.4	1965.0	2375.9	2828.0	3066.9	3277.5
17.5°	287.7	331.3	477.8	744.9	1114.8	1510.3	1877.6	2401.6	2910.2	3203.0	3377.7
20°	215.8	228.6	269.7	395.6	762.9	1248.3	1795.4	2440.1	3138.8	3495.8	3590.9
22.5°	187.5	197.8	215.8	256.9	429.0	955.5	1679.8	2535.2	3449.6	3786.1	3986.4
25°	159.3	169.5	184.9	210.6	274.8	649.8	1538.6	2635.4	3727.0	4150.8	4338.3
27.5°	138.7	146.4	161.8	182.4	223.5	413.5	1294.6	2768.9	4150.8	4592.6	4641.4
30°	118.2	125.9	138.7	161.8	190.1	292.8	950.4	2786.9	4384.6	4785.2	4921.4
32.5°	102.7	105.3	120.7	141.3	159.3	231.2	667.8	2804.9	4556.6	5034.4	5062.7
35°	84.8	89.9	105.3	118.2	138.7	182.4	506.0	2715.0	4780.1	5291.3	5283.6
37.5°	69.4	77.1	87.3	97.6	113.0	154.1	403.3	2548.0	5060.1	5689.4	5447.9
40°	53.9	61.6	71.9	84.8	95.0	138.7	303.1	2296.3	5352.9	5884.6	5627.7
42.5°	38.5	43.7	53.9	66.8	84.8	115.6	218.3	1998.3	5468.5	6113.2	5843.5
45°	28.3	33.4	41.1	56.5	87.3	92.5	151.5	1726.1	5591.8	6213.4	5794.7
47.5°	15.4	20.5	30.8	48.8	77.1	69.4	107.9	1482.1	5733.1	6303.3	5833.2
50°	5.1	7.7	18.0	51.4	61.6	53.9	84.8	1351.1	5871.8	6321.3	5910.3
52.5°	0.0	0.0	10.3	53.9	46.2	41.1	74.5	1299.7	5835.8	6377.8	5861.5
55°	0.0	0.0	2.6	23.1	25.7	30.8	61.6	1297.1	6090.1	6395.7	6128.6
57.5°	0.0	0.0	0.0	7.7	15.4	25.7	53.9	1214.9	6251.9	6842.7	6488.2
60°	0.0	0.0	0.0	2.6	10.3	18.0	41.1	1143.0	6416.3	7043.0	6873.5
62.5°	0.0	0.0	0.0	0.0	2.6	7.7	28.3	1032.6	6084.9	7027.6	7245.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	18.0	816.8	5473.6	6660.3	7040.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.3	565.1	4793.0	6198.0	6662.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	341.6	3868.3	5435.1	5650.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146.4	2761.2	4315.2	4636.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.1	1708.1	3154.2	3549.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.1	1107.1	2388.8	2694.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	590.8	1497.5	1741.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	256.9	909.3	1048.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.2	552.2	629.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.8	113.0
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: P599141
 CATALOG NUMBER: IFLD-S-SA2D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2
2.5°	3922.2	3996.7	4025.0	3981.3	3986.4	3896.5	3883.7	3757.8	3706.4	3716.7
5°	4102.0	4209.9	4269.0	4220.2	4109.7	3937.6	3780.9	3632.0	3539.5	3493.3
7.5°	4060.9	4181.6	4256.1	4302.4	4176.5	3899.1	3660.2	3380.2	3262.1	3264.7
10°	3834.9	4086.6	4238.1	4179.1	4120.0	3842.6	3472.7	3169.6	3064.3	3074.6
12.5°	3652.5	3932.5	4022.4	4068.6	3947.9	3727.0	3477.8	3131.1	3012.9	2941.0
15°	3539.5	3747.5	3752.7	3824.6	3775.8	3775.8	3531.8	3192.7	3090.0	3010.4
17.5°	3539.5	3585.7	3580.6	3606.3	3688.5	3786.1	3667.9	3441.9	3239.0	3226.1
20°	3619.1	3475.3	3441.9	3452.2	3521.5	3811.8	3968.4	3685.9	3557.5	3516.4
22.5°	3804.1	3488.1	3285.2	3249.2	3462.4	3809.2	4161.1	4071.2	3847.7	3814.3
25°	4058.3	3465.0	3244.1	3197.9	3359.7	3901.7	4425.6	4443.6	4240.7	4171.4
27.5°	4299.8	3567.7	3239.0	3228.7	3441.9	3881.1	4608.0	4741.6	4513.0	4456.5
30°	4382.0	3670.5	3334.0	3197.9	3472.7	3955.6	4602.9	4952.2	4803.2	4816.1
32.5°	4479.6	3773.2	3344.3	3290.3	3603.7	4076.3	4749.3	5291.3	5183.4	5031.8
35°	4623.4	3911.9	3441.9	3393.1	3696.2	4184.2	4780.1	5540.4	5522.4	5345.2
37.5°	4746.7	4048.1	3644.8	3652.5	3978.7	4358.9	4916.2	5846.1	5815.2	5694.5
40°	4834.1	4238.1	3960.7	3981.3	4225.3	4554.1	5157.7	6000.2	6228.8	6051.6
42.5°	4846.9	4407.7	4322.9	4487.3	4715.9	4857.2	5255.3	6105.5	6434.3	6318.7
45°	4895.7	4677.4	4913.7	5034.4	5221.9	5124.3	5250.2	6285.3	6449.7	6390.6
47.5°	5085.8	5168.0	5465.9	5833.2	5900.0	5578.9	5373.5	6313.5	6537.0	6529.3
50°	5283.6	5694.5	6113.2	6357.2	6442.0	5892.3	5489.0	6290.4	6652.6	6591.0
52.5°	5504.4	6151.7	6755.3	7055.9	7009.6	6239.1	5620.0	6477.9	6865.8	6845.2
55°	5643.2	6357.2	7168.9	7587.6	7551.6	6626.9	6036.1	6747.6	7145.8	7094.4
57.5°	6010.5	6691.1	7579.9	7775.1	7870.1	7135.5	6326.4	7189.4	7379.5	7436.0
60°	6313.5	6909.5	7687.7	7970.3	8003.7	7438.6	6835.0	7644.1	7677.5	7487.4
62.5°	6757.9	6994.2	7459.1	7713.4	7885.5	7610.7	7292.2	7888.1	7672.3	7659.5
65°	7084.1	6716.8	7032.7	7174.0	7284.5	7348.7	7751.9	8055.0	7577.3	7328.1
67.5°	6901.8	6192.8	6133.7	6141.5	6174.8	6562.7	7597.8	7646.6	7048.2	6842.7
70°	6074.7	5080.6	5001.0	5062.7	4895.7	5363.2	6973.7	6950.6	6218.5	6005.3
72.5°	4913.7	3703.9	3567.7	3652.5	3691.0	4186.8	5866.6	5270.7	4536.1	4369.1
75°	3904.2	2715.0	2291.2	2496.7	2627.6	3048.9	4582.3	3580.6	3167.0	2941.0
77.5°	3066.9	2054.9	1782.6	1700.4	1821.1	2216.7	3334.0	1880.2	1659.3	1554.0
80°	1944.4	1510.3	1638.7	1520.6	1572.0	1582.2	1736.4	855.3	680.7	673.0
82.5°	1171.3	1032.6	1227.8	675.5	1230.3	1099.3	721.8	387.9	344.2	344.2
85°	829.6	639.6	423.8	274.8	547.1	603.6	280.0	200.3	174.7	169.5
87.5°	416.1	197.8	95.0	61.6	69.4	113.0	33.4	15.4	15.4	12.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)