

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: P599317

Luminaire Tested: **IFLD-S-SA3A-827-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: P599317
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3A-827-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (48) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

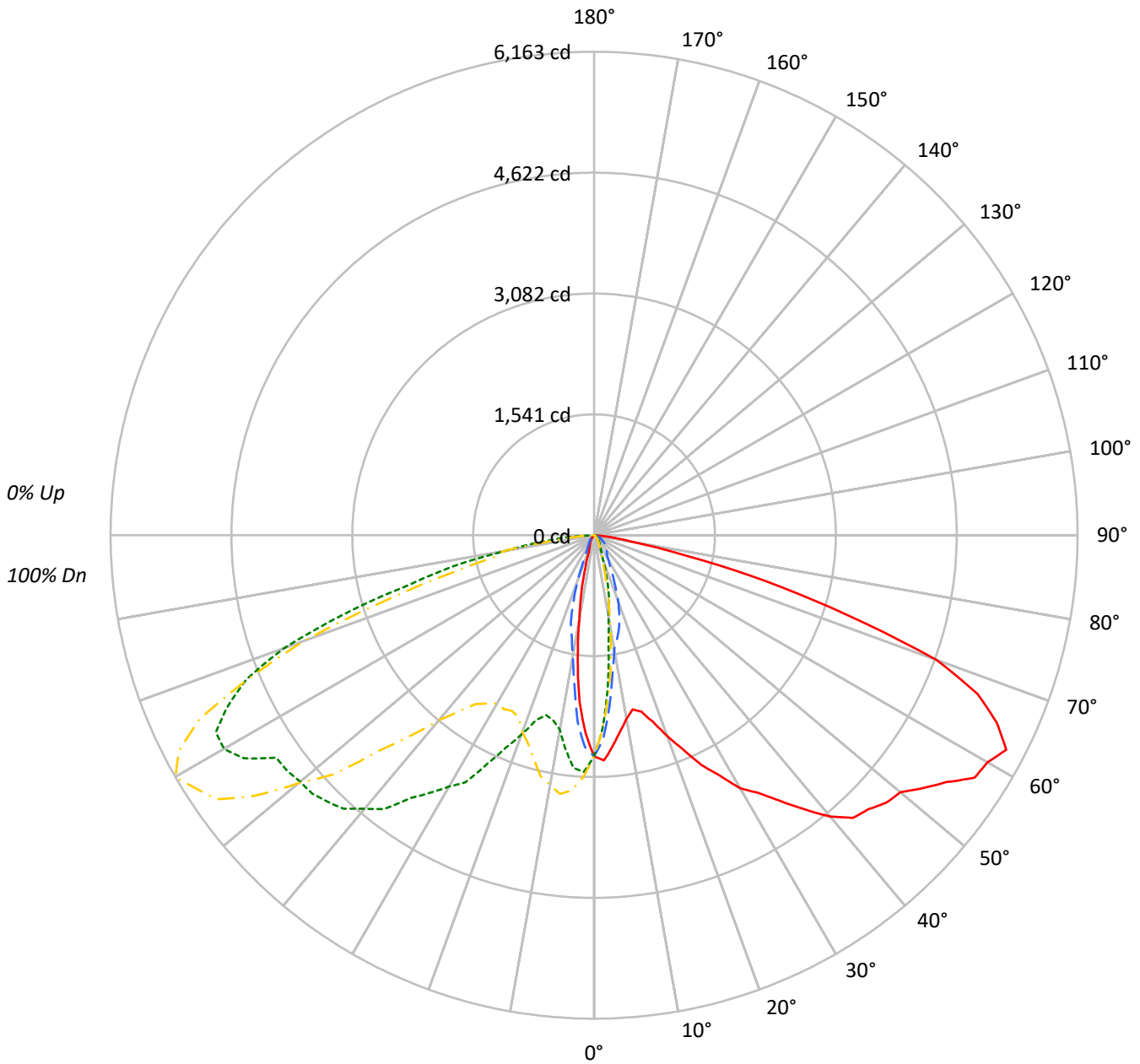
Lumens per Lamp: N/A
 Luminaire Lumens: 7367.1 lumens
 Efficiency: N/A
 Efficacy: 77.7 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 94.8
 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°	40421	40421	40421	40421
5°	38915	28443	30617	42893
10°	34648	15486	15688	36674
15°	34587	10329	6315	35236
20°	41529	5158	2519	41286
25°	51079	3240	1949	50827
30°	61716	2600	1482	61322
35°	72417	2088	1148	71687
40°	87671	1785	744	85252
45°	100300	1612	404	97517
50°	113795	1552	89	109139
55°	137267	1491	0	123750
60°	166189	1254	0	156326
65°	192435	1012	0	174898
70°	194859	835	0	176358
75°	126108	549	0	135252
80°	43011	165	0	95708
85°	21588	0	0	70314

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.3	2.9
10°-20°	413.1	5.6
20°-30°	575.4	7.8
30°-40°	817.5	11.1
40°-50°	1133.7	15.4
50°-60°	1544.7	21.0
60°-70°	1698.3	23.1
70°-80°	834.7	11.3
80°-90°	136.3	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°	1201.8	16.3
0°-40°	2019.4	27.4
0°-60°	4697.8	63.8
0°-90°	7367.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7367.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2816	2816	2816	2816	2816	
5°	2701	1974	2125	2977	2701	247
15°	2328	695	425	2372	2328	689
25°	3226	205	123	3210	3226	1500
35°	4133	119	66	4092	4133	2624
45°	4942	79	20	4805	4942	3831
55°	5486	60	0	4946	5486	4935
65°	5667	30	0	5150	5667	5476
75°	2274	10	0	2439	2274	2479
85°	131	0	0	427	131	181
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°	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4
2.5°	2874.0	2907.8	2876.0	2764.8	2744.9	2691.3	2609.9	2603.9	2518.5	2528.4	2482.8
5°	2701.2	2735.0	2667.5	2520.5	2383.4	2274.2	2208.7	2091.5	2065.7	2008.1	2008.1
7.5°	2524.5	2522.5	2407.3	2284.1	2079.6	1879.0	1787.6	1618.8	1519.4	1465.8	1414.2
10°	2377.5	2345.7	2274.2	2020.0	1797.5	1589.0	1475.8	1364.5	1261.2	1171.9	1082.5
12.5°	2274.2	2294.1	2180.9	1904.8	1616.8	1471.8	1350.6	1233.4	1110.3	1009.0	909.7
15°	2327.8	2296.1	2163.0	1879.0	1587.0	1388.4	1227.5	1084.5	947.4	814.3	738.9
17.5°	2494.7	2413.2	2256.3	1879.0	1525.4	1261.2	1066.6	897.8	750.8	631.6	538.3
20°	2719.1	2625.8	2456.9	1948.5	1479.7	1167.9	901.7	689.2	536.3	425.0	353.5
22.5°	2949.5	2876.0	2621.8	1976.3	1426.1	1042.8	711.1	498.5	357.5	286.0	250.3
25°	3225.6	3122.3	2844.2	2087.5	1346.6	921.6	560.1	347.6	266.2	228.4	206.6
27.5°	3446.1	3428.2	3052.8	2155.0	1287.1	822.3	442.9	276.1	220.5	192.7	178.8
30°	3724.1	3626.8	3307.0	2290.1	1219.5	709.1	369.4	248.3	202.6	172.8	162.9
32.5°	3891.0	3845.3	3440.1	2365.6	1144.1	615.7	317.8	218.5	184.7	162.9	152.9
35°	4133.3	4041.9	3630.8	2413.2	1104.3	562.1	286.0	198.6	154.9	133.1	121.2
37.5°	4403.4	4369.7	3859.2	2411.3	1046.7	530.3	264.2	184.7	147.0	123.1	109.2
40°	4679.5	4542.5	3998.2	2466.9	1016.9	506.5	248.3	176.8	139.0	117.2	99.3
42.5°	4886.1	4729.2	4159.1	2447.0	981.2	464.8	242.3	164.9	133.1	107.3	91.4
45°	4941.7	4886.1	4304.1	2441.0	955.4	431.0	232.4	162.9	129.1	101.3	85.4
47.5°	5048.9	5011.2	4482.9	2451.0	935.5	405.2	208.6	166.8	123.1	95.3	81.4
50°	5096.6	5029.1	4627.9	2474.8	889.8	373.4	186.7	174.8	121.2	93.4	77.5
52.5°	5293.2	5233.7	4826.5	2542.3	852.1	331.7	164.9	166.8	125.1	87.4	73.5
55°	5485.9	5418.4	5132.4	2697.3	798.5	297.9	141.0	147.0	119.2	79.4	65.5
57.5°	5750.1	5638.8	5336.9	2760.8	750.8	252.2	125.1	121.2	111.2	71.5	57.6
60°	5789.8	5835.5	5307.1	2721.1	701.1	222.5	109.2	93.4	119.2	63.6	49.7
62.5°	5922.9	5732.2	5168.1	2629.7	665.4	204.6	97.3	77.5	103.3	55.6	41.7
65°	5666.6	5525.6	4842.4	2335.8	619.7	206.6	85.4	63.6	65.5	45.7	33.8
67.5°	5291.3	5180.0	4302.1	2016.0	574.0	202.6	75.5	55.6	49.7	39.7	29.8
70°	4643.7	4403.4	3654.6	1636.6	506.5	188.7	63.6	49.7	41.7	31.8	21.8
72.5°	3378.5	3281.2	2621.8	1265.2	454.8	170.8	59.6	41.7	35.8	23.8	17.9
75°	2274.2	2113.3	1654.5	830.2	365.5	149.0	49.7	37.7	27.8	17.9	13.9
77.5°	1201.7	1136.1	937.5	395.3	202.6	69.5	27.8	21.8	15.9	13.9	7.9
80°	520.4	462.8	405.2	160.9	71.5	31.8	17.9	11.9	9.9	7.9	4.0
82.5°	266.2	254.2	210.5	69.5	41.7	23.8	9.9	7.9	6.0	4.0	2.0
85°	131.1	135.1	111.2	21.8	23.8	13.9	2.0	2.0	0.0	0.0	0.0
87.5°	9.9	9.9	7.9	4.0	6.0	2.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4
2.5°	2464.9	2492.7	2445.0	2474.8	2460.9	2466.9	2472.8	2456.9	2460.9	2516.5	2518.5
5°	1974.3	2027.9	2008.1	2035.9	2083.5	2059.7	2081.5	2077.6	2081.5	2089.5	2125.2
7.5°	1408.2	1392.3	1430.1	1503.6	1589.0	1640.6	1614.8	1600.9	1592.9	1573.1	1596.9
10°	1062.6	1054.7	1044.7	1066.6	1122.2	1179.8	1211.6	1158.0	1128.2	1090.4	1076.5
12.5°	881.9	832.2	804.4	770.6	786.5	838.2	840.2	788.5	740.9	721.0	742.8
15°	695.2	661.4	611.8	564.1	540.2	580.0	546.2	496.6	435.0	427.0	425.0
17.5°	496.6	476.7	440.9	421.1	393.3	383.3	347.6	272.1	228.4	216.5	220.5
20°	337.7	321.8	319.8	301.9	290.0	282.0	224.4	174.8	160.9	162.9	164.9
22.5°	250.3	242.3	232.4	230.4	220.5	210.5	164.9	147.0	137.0	137.0	143.0
25°	204.6	200.6	190.7	186.7	182.7	168.8	139.0	125.1	121.2	117.2	123.1
27.5°	174.8	172.8	166.8	160.9	156.9	143.0	121.2	109.2	105.3	105.3	105.3
30°	156.9	156.9	149.0	137.0	137.0	121.2	103.3	95.3	91.4	91.4	89.4
32.5°	147.0	143.0	133.1	125.1	119.2	103.3	91.4	83.4	77.5	77.5	79.4
35°	119.2	119.2	117.2	111.2	103.3	87.4	77.5	69.5	65.5	63.6	65.5
37.5°	105.3	99.3	91.4	93.4	89.4	75.5	65.5	59.6	53.6	53.6	53.6
40°	95.3	89.4	81.4	75.5	73.5	67.5	57.6	47.7	41.7	39.7	39.7
42.5°	85.4	81.4	69.5	59.6	57.6	57.6	43.7	35.8	29.8	29.8	29.8
45°	79.4	73.5	63.6	51.6	41.7	43.7	35.8	25.8	21.8	19.9	19.9
47.5°	75.5	69.5	55.6	43.7	31.8	31.8	25.8	17.9	13.9	11.9	11.9
50°	69.5	63.6	49.7	35.8	23.8	19.9	15.9	9.9	6.0	4.0	4.0
52.5°	65.5	59.6	43.7	29.8	19.9	13.9	9.9	2.0	0.0	0.0	0.0
55°	59.6	51.6	37.7	23.8	15.9	7.9	2.0	0.0	0.0	0.0	0.0
57.5°	51.6	45.7	29.8	17.9	9.9	2.0	0.0	0.0	0.0	0.0	0.0
60°	43.7	37.7	23.8	13.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	35.8	31.8	17.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	29.8	23.8	13.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	25.8	19.9	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	19.9	13.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	13.9	9.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	9.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.0	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°	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4
2.5°	2526.5	2586.0	2641.7	2657.5	2701.2	2822.4	2822.4	2880.0	2983.3	3021.0	3029.0
5°	2131.2	2194.8	2206.7	2329.8	2387.4	2510.6	2592.0	2786.6	2903.8	2977.3	3023.0
7.5°	1620.7	1642.6	1688.3	1803.5	1916.7	2065.7	2220.6	2468.9	2675.4	2758.8	2913.8
10°	1114.3	1179.8	1279.1	1382.4	1559.2	1724.0	1924.6	2159.0	2413.2	2516.5	2649.6
12.5°	750.8	842.2	1001.0	1148.0	1310.9	1477.7	1668.4	1982.2	2270.2	2413.2	2546.3
15°	439.0	550.2	687.2	925.6	1142.1	1328.8	1519.4	1837.2	2186.8	2371.5	2534.4
17.5°	222.5	256.2	369.4	576.0	862.0	1167.9	1451.9	1857.1	2250.4	2476.8	2611.9
20°	166.8	176.8	208.6	305.9	589.9	965.3	1388.4	1886.9	2427.1	2703.2	2776.7
22.5°	145.0	152.9	166.8	198.6	331.7	738.9	1299.0	1960.4	2667.5	2927.7	3082.6
25°	123.1	131.1	143.0	162.9	212.5	502.5	1189.7	2037.8	2882.0	3209.7	3354.7
27.5°	107.3	113.2	125.1	141.0	172.8	319.8	1001.0	2141.1	3209.7	3551.3	3589.1
30°	91.4	97.3	107.3	125.1	147.0	226.4	734.9	2155.0	3390.5	3700.3	3805.6
32.5°	79.4	81.4	93.4	109.2	123.1	178.8	516.4	2168.9	3523.5	3893.0	3914.8
35°	65.5	69.5	81.4	91.4	107.3	141.0	391.3	2099.4	3696.3	4091.6	4085.6
37.5°	53.6	59.6	67.5	75.5	87.4	119.2	311.8	1970.3	3912.8	4399.4	4212.7
40°	41.7	47.7	55.6	65.5	73.5	107.3	234.4	1775.7	4139.3	4550.4	4351.8
42.5°	29.8	33.8	41.7	51.6	65.5	89.4	168.8	1545.3	4228.6	4727.2	4518.6
45°	21.8	25.8	31.8	43.7	67.5	71.5	117.2	1334.7	4324.0	4804.6	4480.9
47.5°	11.9	15.9	23.8	37.7	59.6	53.6	83.4	1146.0	4433.2	4874.1	4510.7
50°	4.0	6.0	13.9	39.7	47.7	41.7	65.5	1044.7	4540.5	4888.1	4570.3
52.5°	0.0	0.0	7.9	41.7	35.8	31.8	57.6	1005.0	4512.7	4931.7	4532.5
55°	0.0	0.0	2.0	17.9	19.9	23.8	47.7	1003.0	4709.3	4945.7	4739.1
57.5°	0.0	0.0	0.0	6.0	11.9	19.9	41.7	939.5	4834.4	5291.3	5017.2
60°	0.0	0.0	0.0	2.0	7.9	13.9	31.8	883.9	4961.5	5446.2	5315.1
62.5°	0.0	0.0	0.0	0.0	2.0	6.0	21.8	798.5	4705.3	5434.3	5603.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	13.9	631.6	4232.6	5150.2	5444.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.9	437.0	3706.3	4792.7	5152.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	264.2	2991.2	4202.8	4369.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113.2	2135.2	3336.8	3585.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.7	1320.8	2439.1	2744.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.9	856.1	1847.2	2083.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	456.8	1158.0	1346.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198.6	703.1	810.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	427.0	486.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.5	87.4
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: P599317
 CATALOG NUMBER: IFLD-S-SA3A-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4	2816.4
2.5°	3032.9	3090.5	3112.4	3078.6	3082.6	3013.1	3003.1	2905.8	2866.1	2874.0
5°	3172.0	3255.4	3301.1	3263.3	3177.9	3044.9	2923.7	2808.5	2737.0	2701.2
7.5°	3140.2	3233.5	3291.1	3326.9	3229.6	3015.1	2830.3	2613.8	2522.5	2524.5
10°	2965.4	3160.1	3277.2	3231.6	3185.9	2971.4	2685.4	2451.0	2369.5	2377.5
12.5°	2824.4	3040.9	3110.4	3146.2	3052.8	2882.0	2689.3	2421.2	2329.8	2274.2
15°	2737.0	2897.9	2901.8	2957.5	2919.7	2919.7	2731.0	2468.9	2389.4	2327.8
17.5°	2737.0	2772.7	2768.8	2788.6	2852.2	2927.7	2836.3	2661.5	2504.6	2494.7
20°	2798.6	2687.3	2661.5	2669.5	2723.1	2947.5	3068.7	2850.2	2750.9	2719.1
22.5°	2941.6	2697.3	2540.4	2512.6	2677.4	2945.5	3217.7	3148.1	2975.3	2949.5
25°	3138.2	2679.4	2508.6	2472.8	2598.0	3017.0	3422.2	3436.1	3279.2	3225.6
27.5°	3324.9	2758.8	2504.6	2496.7	2661.5	3001.2	3563.3	3666.5	3489.8	3446.1
30°	3388.5	2838.3	2578.1	2472.8	2685.4	3058.8	3559.3	3829.4	3714.2	3724.1
32.5°	3463.9	2917.7	2586.0	2544.3	2786.6	3152.1	3672.5	4091.6	4008.2	3891.0
35°	3575.2	3025.0	2661.5	2623.8	2858.2	3235.5	3696.3	4284.2	4270.3	4133.3
37.5°	3670.5	3130.3	2818.4	2824.4	3076.6	3370.6	3801.6	4520.6	4496.8	4403.4
40°	3738.0	3277.2	3062.7	3078.6	3267.3	3521.5	3988.3	4639.8	4816.5	4679.5
42.5°	3748.0	3408.3	3342.8	3469.9	3646.7	3755.9	4063.8	4721.2	4975.4	4886.1
45°	3785.7	3616.9	3799.6	3893.0	4038.0	3962.5	4059.8	4860.2	4987.4	4941.7
47.5°	3932.7	3996.2	4226.6	4510.7	4562.3	4314.0	4155.1	4882.1	5054.9	5048.9
50°	4085.6	4403.4	4727.2	4915.9	4981.4	4556.4	4244.5	4864.2	5144.3	5096.6
52.5°	4256.4	4757.0	5223.7	5456.1	5420.4	4824.5	4345.8	5009.2	5309.1	5293.2
55°	4363.7	4915.9	5543.5	5867.3	5839.4	5124.4	4667.6	5217.8	5525.6	5485.9
57.5°	4647.7	5174.1	5861.3	6012.2	6085.7	5517.7	4892.0	5559.4	5706.4	5750.1
60°	4882.1	5342.9	5944.7	6163.2	6189.0	5752.1	5285.3	5910.9	5936.8	5789.8
62.5°	5225.7	5408.4	5767.9	5964.6	6097.7	5885.1	5638.8	6099.6	5932.8	5922.9
65°	5478.0	5193.9	5438.2	5547.5	5632.9	5682.5	5994.4	6228.7	5859.3	5666.6
67.5°	5336.9	4788.7	4743.1	4749.0	4774.8	5074.8	5875.2	5912.9	5450.1	5291.3
70°	4697.4	3928.7	3867.1	3914.8	3785.7	4147.2	5392.5	5374.7	4808.6	4643.7
72.5°	3799.6	2864.1	2758.8	2824.4	2854.2	3237.5	4536.5	4075.7	3507.6	3378.5
75°	3019.0	2099.4	1771.7	1930.6	2031.9	2357.6	3543.4	2768.8	2449.0	2274.2
77.5°	2371.5	1589.0	1378.4	1314.9	1408.2	1714.1	2578.1	1453.9	1283.1	1201.7
80°	1503.6	1167.9	1267.2	1175.8	1215.6	1223.5	1342.7	661.4	526.3	520.4
82.5°	905.7	798.5	949.4	522.4	951.4	850.1	558.1	299.9	266.2	266.2
85°	641.5	494.6	327.7	212.5	423.1	466.8	216.5	154.9	135.1	131.1
87.5°	321.8	152.9	73.5	47.7	53.6	87.4	25.8	11.9	11.9	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)