

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: P599404

Luminaire Tested: **IFLD-S-SA3A-727-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599404
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3A-727-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (48) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

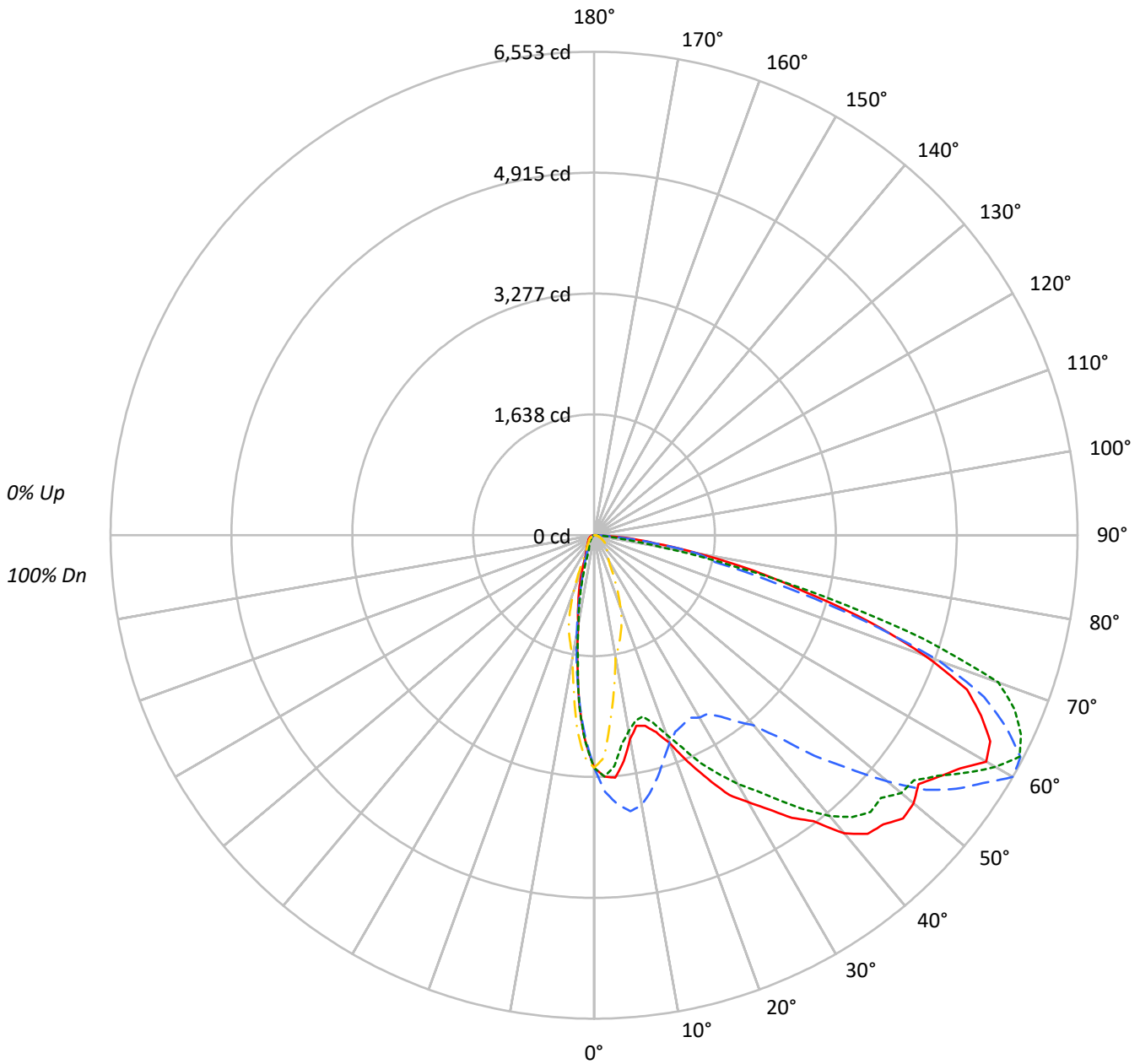
Lumens per Lamp: N/A
 Luminaire Lumens: 8380.5 lumens
 Efficiency: N/A
 Efficacy: 88.4 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

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	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	45223	45223	45223	45223
5°	47523	45234	33048	33241
10°	40865	39300	18068	17644
15°	39735	37774	11738	8845
20°	45801	43887	6289	3145
25°	57588	53866	4076	2445
30°	69167	64457	3301	2002
35°	81908	76850	2705	1608
40°	98824	93036	2391	1216
45°	112510	107605	2227	818
50°	126218	121321	2199	500
55°	142737	142231	2184	225
60°	176138	180311	1992	63
65°	196534	216750	1824	0
70°	200398	244631	1691	0
75°	163060	180433	1614	0
80°	118560	75467	1661	0
85°	76654	31699	2207	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.4	2.9
10°-20°	469.4	5.6
20°-30°	649.6	7.8
30°-40°	918.0	11.0
40°-50°	1249.9	14.9
50°-60°	1655.4	19.8
60°-70°	1922.1	22.9
70°-80°	1088.5	13.0
80°-90°	188.1	2.2
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°	1358.4	16.2
0°-40°	2276.4	27.2
0°-60°	5181.8	61.8
0°-90°	8380.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8380.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3151	3151	3151	3151	3151	
5°	3299	3140	2294	2307	3299	296
15°	2674	2542	790	595	2674	784
25°	3637	3402	257	154	3637	1696
35°	4675	4386	154	92	4675	2947
45°	5543	5302	110	40	5543	4298
55°	5704	5684	87	9	5704	5168
65°	5787	6383	54	0	5787	5642
75°	2941	3254	29	0	2941	3209
85°	466	192	13	0	466	559
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0
2.5°	3274.1	3343.5	3345.7	3377.0	3408.4	3408.4	3482.2	3464.3	3399.4	3388.2	3341.2
5°	3298.7	3323.3	3341.2	3500.1	3634.4	3621.0	3661.2	3634.4	3509.1	3347.9	3238.3
7.5°	3086.1	3112.9	3184.6	3455.4	3636.6	3697.0	3773.1	3605.3	3473.3	3182.3	2972.0
10°	2804.1	2855.6	2987.6	3296.5	3520.3	3712.7	3712.7	3578.4	3323.3	3039.1	2781.7
12.5°	2647.5	2750.4	2822.0	3135.3	3426.3	3558.3	3553.8	3482.2	3316.6	2958.5	2667.6
15°	2674.3	2703.4	2855.6	3099.5	3292.0	3285.3	3365.8	3343.5	3227.1	3030.1	2710.1
17.5°	2797.4	2842.2	2974.2	3099.5	3191.3	3164.4	3162.2	3269.6	3276.3	3151.0	2869.0
20°	2998.8	3130.9	3193.5	3231.6	3119.7	3005.5	2992.1	3142.0	3258.4	3305.4	3059.2
22.5°	3321.1	3408.4	3535.9	3341.2	3050.3	2907.1	2880.2	3045.8	3280.8	3488.9	3305.4
25°	3636.6	3703.8	3826.8	3576.2	3128.6	2886.9	2839.9	2983.2	3365.8	3744.0	3603.1
27.5°	3970.1	4028.3	4041.7	3748.5	3171.1	2846.6	2790.7	2983.2	3437.4	3878.3	3958.9
30°	4173.7	4243.1	4256.5	3900.7	3240.5	2880.2	2853.4	2996.6	3486.7	3992.5	4214.0
32.5°	4402.0	4419.9	4408.7	3927.6	3316.6	2978.7	2866.8	3086.1	3542.6	4129.0	4446.8
35°	4675.0	4706.4	4592.2	4050.6	3486.7	3041.3	3001.1	3195.8	3638.9	4191.6	4728.7
37.5°	4883.1	4981.6	4724.3	4097.6	3520.3	3173.4	3180.1	3424.0	3706.0	4267.7	5039.8
40°	5274.8	5109.2	4948.0	4258.8	3647.8	3397.2	3361.4	3659.0	3932.0	4317.0	5243.5
42.5°	5489.6	5402.3	5035.3	4274.4	3844.8	3706.0	3715.0	3925.3	4050.6	4455.7	5299.4
45°	5543.3	5451.6	5153.9	4285.6	4039.4	4070.8	4225.2	4265.5	4225.2	4547.5	5404.6
47.5°	5679.8	5480.7	5140.5	4435.6	4355.0	4475.8	4672.8	4760.1	4462.4	4513.9	5453.8
50°	5653.0	5538.9	5111.4	4498.2	4739.9	5059.9	5192.0	5156.2	4726.5	4444.5	5400.1
52.5°	5541.1	5418.0	5200.9	4668.3	5100.2	5487.4	5670.9	5581.4	4961.5	4601.2	5364.3
55°	5704.5	5610.5	5317.3	4898.8	5371.0	5863.4	5993.2	5926.0	5250.2	4746.6	5568.0
57.5°	5881.3	5861.1	5632.8	5169.6	5691.0	6250.5	6250.5	6167.7	5500.8	4957.0	5870.1
60°	6136.4	6181.1	5865.6	5348.6	5800.7	6228.1	6552.6	6456.4	5753.7	5326.3	6212.5
62.5°	6053.6	6196.8	6165.5	5733.6	5926.0	6337.8	6514.6	6586.2	6067.0	5776.1	6669.0
65°	5787.3	5939.4	6163.2	5986.4	5832.0	6071.5	6161.0	6378.1	6223.7	6199.0	6857.0
67.5°	5469.5	5635.1	5773.8	6156.5	5641.8	5800.7	5722.4	5791.7	6053.6	6662.3	6964.4
70°	4775.7	4934.6	5153.9	5778.3	5138.3	4995.0	4974.9	4941.3	5348.6	6496.7	6476.5
72.5°	3927.6	4001.4	4363.9	4697.4	3802.2	3775.4	3806.7	3768.7	4240.9	5881.3	5547.8
75°	2940.6	3014.5	3220.4	3607.5	2589.3	2434.9	2613.9	2790.7	3238.3	4565.4	3985.7
77.5°	2211.1	2305.1	2434.9	2698.9	1900.0	1658.3	1682.9	1850.8	2340.9	3656.8	2233.4
80°	1434.5	1423.3	1674.0	1857.5	1430.0	1474.8	1412.1	1535.2	1696.3	1955.9	1141.3
82.5°	828.0	839.2	944.4	1065.3	995.9	1139.1	821.3	1371.8	1210.7	796.7	425.2
85°	465.5	485.6	581.9	738.5	624.4	418.5	342.4	680.3	760.9	326.7	205.9
87.5°	47.0	40.3	78.3	279.7	170.1	69.4	102.9	163.4	183.5	123.1	60.4
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°	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0
2.5°	3274.1	3274.1	3218.1	3124.1	3086.1	3019.0	2927.2	2956.3	2925.0	2810.8	2781.7
5°	3139.8	3032.4	2916.0	2772.8	2690.0	2519.9	2466.2	2370.0	2385.6	2289.4	2293.9
7.5°	2860.1	2775.0	2578.1	2390.1	2226.7	2079.0	1870.9	1792.6	1716.5	1678.4	1723.2
10°	2696.7	2537.8	2269.3	2023.1	1806.0	1674.0	1535.2	1427.8	1329.3	1255.5	1239.8
12.5°	2578.1	2437.1	2112.6	1812.7	1642.6	1535.2	1407.7	1260.0	1163.7	1036.2	998.1
15°	2542.3	2370.0	2027.6	1729.9	1564.3	1387.5	1242.0	1096.6	971.3	837.0	790.0
17.5°	2665.4	2466.2	2025.3	1662.8	1430.0	1239.8	1038.4	875.0	747.5	624.4	595.3
20°	2873.5	2569.1	2090.2	1622.5	1302.5	1047.3	819.1	655.7	512.5	431.9	411.8
22.5°	3110.7	2743.7	2096.9	1515.1	1174.9	854.9	597.5	431.9	351.4	313.3	302.1
25°	3401.6	3023.4	2177.5	1427.8	1025.0	649.0	425.2	331.2	284.2	261.8	257.4
27.5°	3641.1	3218.1	2264.8	1336.0	877.3	481.2	333.5	270.8	246.2	223.8	221.6
30°	3889.5	3441.9	2289.4	1280.1	749.7	396.1	286.5	239.5	212.6	201.4	199.2
32.5°	4106.6	3685.9	2367.7	1188.3	628.9	349.1	259.6	214.8	196.9	179.0	176.8
35°	4386.3	3826.8	2405.8	1139.1	584.1	315.5	237.2	196.9	170.1	158.9	154.4
37.5°	4686.2	3963.4	2430.4	1101.1	546.1	295.4	223.8	185.7	161.1	145.5	141.0
40°	4965.9	4155.8	2394.6	1054.1	517.0	270.8	214.8	172.3	149.9	134.3	127.6
42.5°	5180.8	4343.8	2383.4	1009.3	485.6	261.8	203.7	165.6	141.0	123.1	120.8
45°	5301.6	4471.4	2305.1	973.5	461.0	266.3	199.2	156.7	134.3	118.6	109.7
47.5°	5272.5	4569.8	2325.2	962.3	427.4	248.4	196.9	149.9	123.1	109.7	102.9
50°	5433.7	4769.0	2291.6	926.5	402.8	223.8	214.8	149.9	120.8	105.2	98.5
52.5°	5460.5	4950.3	2363.2	861.6	364.8	205.9	212.6	147.7	116.4	100.7	91.8
55°	5684.3	5160.6	2502.0	825.8	333.5	179.0	194.7	143.2	105.2	91.8	87.3
57.5°	5988.7	5597.0	2591.5	792.2	290.9	156.7	163.4	141.0	96.2	85.0	78.3
60°	6281.8	5771.6	2598.2	731.8	250.6	141.0	127.6	141.0	89.5	76.1	69.4
62.5°	6501.2	5771.6	2553.5	680.3	219.3	125.3	111.9	134.3	80.6	67.1	62.7
65°	6382.6	5617.2	2437.1	637.8	199.2	109.7	96.2	102.9	71.6	58.2	53.7
67.5°	6170.0	5136.0	2179.7	586.3	196.9	96.2	82.8	76.1	62.7	51.5	47.0
70°	5829.8	4487.0	1815.0	528.1	192.5	87.3	73.9	64.9	55.9	44.8	40.3
72.5°	4697.4	3706.0	1490.5	494.6	188.0	76.1	62.7	55.9	47.0	38.0	33.6
75°	3253.9	2367.7	1148.1	423.0	183.5	69.4	58.2	49.2	40.3	31.3	29.1
77.5°	1951.5	1582.2	740.8	317.8	120.8	55.9	49.2	38.0	33.6	26.9	24.6
80°	913.1	747.5	299.9	123.1	58.2	40.3	33.6	29.1	26.9	22.4	20.1
82.5°	358.1	315.5	145.5	71.6	47.0	31.3	26.9	24.6	22.4	17.9	15.7
85°	192.5	170.1	69.4	49.2	33.6	22.4	22.4	20.1	17.9	15.7	13.4
87.5°	42.5	31.3	29.1	29.1	24.6	17.9	17.9	15.7	13.4	11.2	9.0
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°	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0
2.5°	2766.1	2799.6	2745.9	2779.5	2732.5	2768.3	2772.8	2739.2	2748.2	2792.9	2813.1
5°	2356.5	2334.2	2284.9	2269.3	2271.5	2242.4	2253.6	2269.3	2293.9	2307.3	2347.6
7.5°	1698.6	1750.1	1747.8	1785.9	1788.1	1783.6	1752.3	1685.2	1707.5	1689.6	1712.0
10°	1215.2	1237.6	1280.1	1304.7	1349.5	1324.8	1253.2	1226.4	1213.0	1210.7	1233.1
12.5°	971.3	917.5	913.1	922.0	944.4	915.3	879.5	848.2	863.8	895.2	919.8
15°	751.9	707.2	649.0	640.0	644.5	631.1	593.0	552.8	564.0	595.3	613.2
17.5°	577.4	525.9	485.6	458.8	449.8	402.8	346.9	313.3	304.4	302.1	317.8
20°	389.4	380.4	373.7	340.2	340.2	273.0	226.0	201.4	201.4	205.9	208.1
22.5°	290.9	279.7	282.0	275.3	257.4	203.7	179.0	172.3	172.3	176.8	176.8
25°	252.9	237.2	232.7	230.5	212.6	174.6	156.7	149.9	149.9	154.4	154.4
27.5°	214.8	210.4	203.7	194.7	179.0	149.9	138.8	132.0	134.3	136.5	134.3
30°	196.9	185.7	176.8	176.8	158.9	134.3	125.3	120.8	116.4	120.8	123.1
32.5°	174.6	167.8	163.4	156.7	136.5	118.6	109.7	105.2	102.9	102.9	105.2
35°	149.9	149.9	145.5	136.5	118.6	107.4	96.2	91.8	89.5	91.8	91.8
37.5°	134.3	127.6	129.8	120.8	105.2	94.0	82.8	78.3	78.3	76.1	78.3
40°	125.3	114.1	107.4	102.9	94.0	80.6	71.6	67.1	64.9	64.9	64.9
42.5°	111.9	102.9	89.5	87.3	85.0	69.4	58.2	55.9	53.7	51.5	51.5
45°	105.2	91.8	80.6	69.4	69.4	58.2	49.2	44.8	42.5	40.3	42.5
47.5°	96.2	82.8	69.4	58.2	55.9	47.0	38.0	33.6	31.3	31.3	31.3
50°	91.8	73.9	60.4	49.2	42.5	38.0	29.1	24.6	22.4	22.4	22.4
52.5°	85.0	69.4	53.7	42.5	33.6	29.1	22.4	17.9	15.7	15.7	15.7
55°	76.1	62.7	47.0	35.8	29.1	22.4	15.7	11.2	9.0	9.0	9.0
57.5°	71.6	55.9	40.3	31.3	22.4	15.7	9.0	6.7	6.7	4.5	6.7
60°	64.9	49.2	33.6	24.6	17.9	11.2	6.7	2.2	2.2	2.2	2.2
62.5°	55.9	42.5	29.1	20.1	13.4	6.7	2.2	0.0	0.0	0.0	0.0
65°	47.0	33.6	22.4	15.7	9.0	2.2	0.0	0.0	0.0	0.0	0.0
67.5°	40.3	29.1	17.9	11.2	6.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	35.8	24.6	13.4	9.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	29.1	20.1	11.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	24.6	15.7	6.7	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	20.1	11.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	15.7	9.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	13.4	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.7	2.2	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

TEST NUMBER: P599404
 CATALOG NUMBER: IFLD-S-SA3A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0
2.5°	2842.2	2828.7	2895.9	3005.5	3061.5	3171.1	3198.0	3267.4	3249.5	3274.1
5°	2352.1	2378.9	2477.4	2638.5	2696.7	2855.6	3005.5	3155.5	3251.7	3298.7
7.5°	1745.6	1835.1	1955.9	2103.6	2253.6	2461.7	2716.8	2891.4	2985.4	3086.1
10°	1300.2	1396.5	1535.2	1680.7	1924.6	2157.4	2412.5	2629.6	2710.1	2804.1
12.5°	1022.7	1172.7	1333.8	1490.5	1635.9	1857.5	2173.0	2488.6	2575.8	2647.5
15°	711.7	895.2	1125.7	1329.3	1533.0	1725.4	2052.2	2434.9	2553.5	2674.3
17.5°	393.9	539.3	803.4	1089.9	1389.7	1685.2	2092.5	2533.3	2712.4	2797.4
20°	228.3	286.5	474.4	814.6	1210.7	1597.9	2112.6	2719.1	2956.3	2998.8
22.5°	188.0	208.1	268.6	510.2	991.4	1541.9	2215.5	2978.7	3220.4	3321.1
25°	161.1	176.8	208.1	306.6	749.7	1423.3	2280.4	3303.2	3527.0	3636.6
27.5°	143.2	158.9	183.5	226.0	510.2	1260.0	2387.9	3596.3	3820.1	3970.1
30°	125.3	138.8	163.4	192.5	353.6	1076.4	2479.6	3811.2	4126.7	4173.7
32.5°	111.9	123.1	141.0	165.6	261.8	816.8	2553.5	4032.7	4299.0	4402.0
35°	96.2	109.7	120.8	141.0	199.2	615.4	2508.7	4205.1	4551.9	4675.0
37.5°	85.0	94.0	105.2	118.6	167.8	481.2	2417.0	4410.9	4769.0	4883.1
40°	71.6	78.3	91.8	105.2	152.2	371.5	2311.8	4659.4	5073.4	5274.8
42.5°	60.4	67.1	76.1	98.5	125.3	275.3	2099.2	4851.8	5319.5	5489.6
45°	47.0	55.9	69.4	98.5	100.7	203.7	1879.9	4995.0	5458.3	5543.3
47.5°	35.8	44.8	67.1	85.0	80.6	141.0	1620.3	5158.4	5601.5	5679.8
50°	26.9	35.8	76.1	73.9	67.1	107.4	1456.9	5272.5	5610.5	5653.0
52.5°	17.9	26.9	62.7	55.9	55.9	94.0	1412.1	5268.1	5632.8	5541.1
55°	13.4	20.1	35.8	40.3	49.2	82.8	1371.8	5435.9	5639.6	5704.5
57.5°	9.0	15.7	24.6	31.3	42.5	71.6	1289.0	5637.3	5847.7	5881.3
60°	4.5	11.2	17.9	24.6	35.8	62.7	1172.7	5785.0	6100.6	6136.4
62.5°	2.2	6.7	13.4	20.1	29.1	49.2	1051.8	5550.0	5990.9	6053.6
65°	0.0	4.5	9.0	13.4	17.9	35.8	854.9	5010.7	5556.8	5787.3
67.5°	0.0	0.0	4.5	9.0	11.2	26.9	644.5	4558.6	5156.2	5469.5
70°	0.0	0.0	2.2	2.2	6.7	20.1	411.8	3775.4	4603.4	4775.7
72.5°	0.0	0.0	0.0	0.0	2.2	13.4	239.5	2804.1	3607.5	3927.6
75°	0.0	0.0	0.0	0.0	0.0	11.2	120.8	1803.8	2510.9	2940.6
77.5°	0.0	0.0	0.0	0.0	0.0	9.0	64.9	1163.7	1850.8	2211.1
80°	0.0	0.0	0.0	0.0	0.0	2.2	38.0	675.9	1183.9	1434.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	15.7	331.2	707.2	828.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.5	176.8	353.6	465.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	24.6	47.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)