

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: P599424

Luminaire Tested: **IFLD-L-SA8A-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: P599424
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8A-727-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (128) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

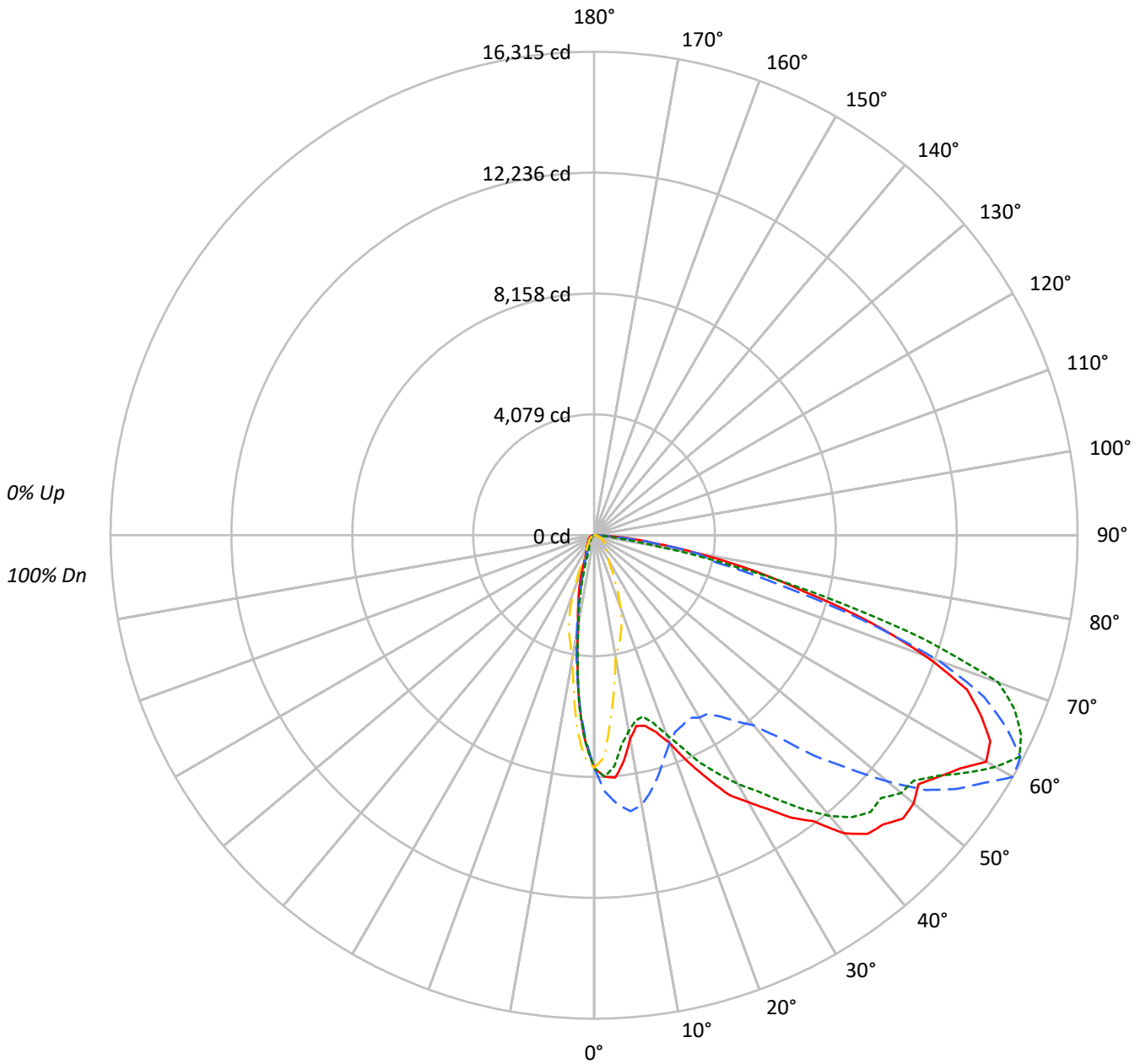
Lumens per Lamp: N/A
 Luminaire Lumens: 20865.8 lumens
 Efficiency: N/A
 Efficacy: 84.2 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 247.8
 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	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°	42224	42224	42224	42224
5°	44372	42234	30855	31036
10°	38155	36694	16870	16474
15°	37100	35268	10959	8259
20°	42763	40976	5872	2936
25°	53769	50295	3805	2283
30°	64580	60183	3082	1870
35°	76477	71754	2526	1501
40°	92270	86867	2231	1135
45°	105050	100469	2078	763
50°	117847	113275	2053	466
55°	133270	132799	2039	209
60°	164456	168355	1859	60
65°	183498	202374	1703	0
70°	187110	228407	1578	0
75°	152247	168469	1506	0
80°	110699	70461	1553	0
85°	71569	29591	2062	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.0	2.9
10°-20°	1168.8	5.6
20°-30°	1617.4	7.8
30°-40°	2285.8	11.0
40°-50°	3112.1	14.9
50°-60°	4121.8	19.8
60°-70°	4785.7	22.9
70°-80°	2710.2	13.0
80°-90°	468.3	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°	3382.1	16.2
0°-40°	5667.9	27.2
0°-60°	12901.7	61.8
0°-90°	20865.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20865.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7845	7845	7845	7845	7845	
5°	8213	7818	5711	5745	8213	738
15°	6659	6330	1967	1482	6659	1953
25°	9054	8470	641	384	9054	4223
35°	11640	10921	384	228	11640	7338
45°	13802	13200	273	100	13802	10700
55°	14203	14153	217	22	14203	12868
65°	14409	15891	134	0	14409	14046
75°	7322	8102	72	0	7322	7991
85°	1159	479	33	0	1159	1393
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°	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4
2.5°	8151.9	8324.6	8330.2	8408.2	8486.2	8486.2	8670.1	8625.5	8463.9	8436.0	8319.0
5°	8213.2	8274.5	8319.0	8714.6	9049.0	9015.5	9115.8	9049.0	8736.9	8335.7	8062.7
7.5°	7683.8	7750.7	7929.0	8603.2	9054.5	9205.0	9394.4	8976.5	8647.8	7923.4	7399.6
10°	6981.7	7109.9	7438.6	8207.6	8764.8	9244.0	9244.0	8909.7	8274.5	7566.8	6926.0
12.5°	6591.7	6848.0	7026.3	7806.4	8530.8	8859.5	8848.4	8670.1	8257.7	7366.2	6641.8
15°	6658.6	6731.0	7109.9	7717.2	8196.4	8179.7	8380.3	8324.6	8034.9	7544.5	6747.7
17.5°	6965.0	7076.5	7405.2	7717.2	7945.7	7878.8	7873.3	8140.7	8157.4	7845.4	7143.3
20°	7466.5	7795.3	7951.3	8046.0	7767.4	7483.2	7449.8	7823.1	8112.9	8229.9	7617.0
22.5°	8268.9	8486.2	8803.8	8319.0	7594.7	7238.1	7171.2	7583.5	8168.6	8686.8	8229.9
25°	9054.5	9221.7	9528.2	8904.1	7789.7	7187.9	7070.9	7427.5	8380.3	9322.0	8971.0
27.5°	9884.8	10029.6	10063.1	9333.1	7895.6	7087.6	6948.3	7427.5	8558.6	9656.3	9856.9
30°	10391.8	10564.6	10598.0	9712.0	8068.3	7171.2	7104.3	7460.9	8681.2	9940.5	10492.1
32.5°	10960.2	11004.7	10976.9	9778.9	8257.7	7416.4	7137.8	7683.8	8820.5	10280.4	11071.6
35°	11640.0	11718.0	11433.8	10085.4	8681.2	7572.4	7472.1	7956.8	9060.1	10436.4	11773.7
37.5°	12158.1	12403.3	11762.5	10202.4	8764.8	7901.1	7917.8	8525.2	9227.3	10625.8	12548.2
40°	13133.3	12720.9	12319.7	10603.6	9082.4	8458.3	8369.2	9110.3	9790.0	10748.4	13055.2
42.5°	13668.2	13450.9	12537.0	10642.6	9572.7	9227.3	9249.6	9773.3	10085.4	11093.9	13194.5
45°	13801.9	13573.4	12832.4	10670.4	10057.5	10135.5	10520.0	10620.3	10520.0	11322.3	13456.4
47.5°	14141.8	13645.9	12798.9	11043.7	10843.2	11144.0	11634.4	11851.7	11110.6	11238.8	13579.0
50°	14074.9	13790.8	12726.5	11199.8	11801.5	12598.3	12927.1	12837.9	11768.1	11066.0	13445.3
52.5°	13796.3	13489.9	12949.4	11623.2	12698.6	13662.6	14119.5	13896.6	12353.2	11456.1	13356.1
55°	14203.1	13969.1	13239.1	12197.2	13372.9	14598.7	14921.9	14754.7	13072.0	11818.3	13863.2
57.5°	14643.3	14593.1	14024.8	12871.4	14169.6	15562.7	15562.7	15356.5	13696.0	12342.0	14615.4
60°	15278.5	15389.9	14604.3	13317.1	14442.7	15506.9	16314.9	16075.3	14325.7	13261.4	15467.9
62.5°	15072.3	15428.9	15350.9	14275.5	14754.7	15780.0	16220.2	16398.5	15105.7	14381.4	16604.6
65°	14409.2	14788.1	15345.3	14905.2	14520.7	15116.9	15339.8	15880.3	15495.8	15434.5	17072.7
67.5°	13618.0	14030.3	14375.8	15328.6	14047.1	14442.7	14247.7	14420.4	15072.3	16587.9	17340.1
70°	11890.7	12286.3	12832.4	14387.0	12793.4	12436.8	12386.6	12303.0	13317.1	16175.6	16125.4
72.5°	9778.9	9962.8	10865.4	11695.7	9466.9	9400.0	9478.0	9383.3	10559.0	14643.3	13813.0
75°	7321.6	7505.5	8018.1	8982.1	6446.8	6062.4	6508.1	6948.3	8062.7	11366.9	9923.8
77.5°	5505.2	5739.2	6062.4	6719.9	4730.6	4128.9	4190.2	4608.1	5828.3	9104.7	5560.9
80°	3571.7	3543.8	4167.9	4624.8	3560.5	3672.0	3515.9	3822.4	4223.6	4869.9	2841.7
82.5°	2061.6	2089.5	2351.4	2652.3	2479.5	2836.2	2044.9	3415.6	3014.5	1983.6	1058.7
85°	1159.0	1209.1	1448.7	1838.8	1554.6	1042.0	852.5	1693.9	1894.5	813.5	512.6
87.5°	117.0	100.3	195.0	696.5	423.5	172.7	256.3	406.8	456.9	306.5	150.4
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°	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4
2.5°	8151.9	8151.9	8012.6	7778.5	7683.8	7516.7	7288.2	7360.6	7282.6	6998.5	6926.0
5°	7817.5	7550.1	7260.3	6903.7	6697.6	6274.1	6140.4	5900.8	5939.8	5700.2	5711.3
7.5°	7121.0	6909.3	6419.0	5950.9	5544.2	5176.4	4658.2	4463.2	4273.7	4179.0	4290.5
10°	6714.3	6318.7	5650.0	5037.1	4496.6	4167.9	3822.4	3554.9	3309.8	3125.9	3086.9
12.5°	6419.0	6067.9	5260.0	4513.3	4089.9	3822.4	3504.8	3137.0	2897.5	2579.8	2485.1
15°	6329.8	5900.8	5048.3	4307.2	3894.8	3454.7	3092.5	2730.3	2418.3	2083.9	1966.9
17.5°	6636.3	6140.4	5042.7	4140.0	3560.5	3086.9	2585.4	2178.7	1861.1	1554.6	1482.2
20°	7154.5	6396.7	5204.3	4039.7	3242.9	2607.7	2039.4	1632.6	1276.0	1075.4	1025.3
22.5°	7745.1	6831.3	5221.0	3772.3	2925.3	2128.5	1487.7	1075.4	874.8	780.1	752.2
25°	8469.5	7527.8	5421.6	3554.9	2552.0	1615.9	1058.7	824.7	707.6	651.9	640.8
27.5°	9065.7	8012.6	5638.9	3326.5	2184.2	1198.0	830.2	674.2	612.9	557.2	551.6
30°	9684.2	8569.8	5700.2	3187.2	1866.6	986.2	713.2	596.2	529.3	501.5	495.9
32.5°	10224.7	9177.1	5895.2	2958.7	1565.7	869.2	646.4	534.9	490.3	445.8	440.2
35°	10921.2	9528.2	5989.9	2836.2	1454.3	785.7	590.6	490.3	423.5	395.6	384.5
37.5°	11667.8	9868.0	6051.2	2741.4	1359.6	735.5	557.2	462.5	401.2	362.2	351.0
40°	12364.3	10347.2	5962.1	2624.4	1287.1	674.2	534.9	429.0	373.3	334.3	317.6
42.5°	12899.2	10815.3	5934.2	2513.0	1209.1	651.9	507.1	412.3	351.0	306.5	300.9
45°	13200.1	11132.9	5739.2	2423.8	1147.8	663.1	495.9	390.0	334.3	295.3	273.0
47.5°	13127.7	11378.1	5789.3	2396.0	1064.3	618.5	490.3	373.3	306.5	273.0	256.3
50°	13528.9	11874.0	5705.7	2306.8	1003.0	557.2	534.9	373.3	300.9	261.9	245.2
52.5°	13595.7	12325.3	5884.1	2145.2	908.2	512.6	529.3	367.8	289.7	250.7	228.5
55°	14152.9	12849.1	6229.5	2056.1	830.2	445.8	484.8	356.6	261.9	228.5	217.3
57.5°	14910.7	13935.6	6452.4	1972.5	724.4	390.0	406.8	351.0	239.6	211.7	195.0
60°	15640.7	14370.2	6469.1	1822.1	624.1	351.0	317.6	351.0	222.9	189.4	172.7
62.5°	16186.7	14370.2	6357.7	1693.9	546.1	312.0	278.6	334.3	200.6	167.2	156.0
65°	15891.4	13985.8	6067.9	1588.0	495.9	273.0	239.6	256.3	178.3	144.9	133.7
67.5°	15362.1	12787.8	5427.1	1459.9	490.3	239.6	206.2	189.4	156.0	128.2	117.0
70°	14515.1	11171.9	4518.9	1315.0	479.2	217.3	183.9	161.6	139.3	111.4	100.3
72.5°	11695.7	9227.3	3711.0	1231.4	468.0	189.4	156.0	139.3	117.0	94.7	83.6
75°	8101.7	5895.2	2858.4	1053.1	456.9	172.7	144.9	122.6	100.3	78.0	72.4
77.5°	4858.8	3939.4	1844.3	791.2	300.9	139.3	122.6	94.7	83.6	66.9	61.3
80°	2273.4	1861.1	746.7	306.5	144.9	100.3	83.6	72.4	66.9	55.7	50.1
82.5°	891.5	785.7	362.2	178.3	117.0	78.0	66.9	61.3	55.7	44.6	39.0
85°	479.2	423.5	172.7	122.6	83.6	55.7	55.7	50.1	44.6	39.0	33.4
87.5°	105.9	78.0	72.4	72.4	61.3	44.6	44.6	39.0	33.4	27.9	22.3
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°	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4
2.5°	6887.0	6970.6	6836.9	6920.5	6803.4	6892.6	6903.7	6820.2	6842.4	6953.9	7004.0
5°	5867.3	5811.6	5689.0	5650.0	5655.6	5583.2	5611.0	5650.0	5711.3	5744.8	5845.1
7.5°	4229.2	4357.3	4351.7	4446.5	4452.0	4440.9	4362.9	4195.7	4251.5	4206.9	4262.6
10°	3025.6	3081.3	3187.2	3248.5	3359.9	3298.6	3120.3	3053.5	3020.0	3014.5	3070.2
12.5°	2418.3	2284.5	2273.4	2295.7	2351.4	2279.0	2189.8	2111.8	2150.8	2228.8	2290.1
15°	1872.2	1760.8	1615.9	1593.6	1604.7	1571.3	1476.6	1376.3	1404.1	1482.2	1526.7
17.5°	1437.6	1309.4	1209.1	1142.3	1120.0	1003.0	863.7	780.1	757.8	752.2	791.2
20°	969.5	947.2	930.5	846.9	846.9	679.8	562.8	501.5	501.5	512.6	518.2
22.5°	724.4	696.5	702.1	685.4	640.8	507.1	445.8	429.0	429.0	440.2	440.2
25°	629.6	590.6	579.5	573.9	529.3	434.6	390.0	373.3	373.3	384.5	384.5
27.5°	534.9	523.8	507.1	484.8	445.8	373.3	345.5	328.7	334.3	339.9	334.3
30°	490.3	462.5	440.2	440.2	395.6	334.3	312.0	300.9	289.7	300.9	306.5
32.5°	434.6	417.9	406.8	390.0	339.9	295.3	273.0	261.9	256.3	256.3	261.9
35°	373.3	373.3	362.2	339.9	295.3	267.5	239.6	228.5	222.9	228.5	228.5
37.5°	334.3	317.6	323.2	300.9	261.9	234.0	206.2	195.0	195.0	189.4	195.0
40°	312.0	284.2	267.5	256.3	234.0	200.6	178.3	167.2	161.6	161.6	161.6
42.5°	278.6	256.3	222.9	217.3	211.7	172.7	144.9	139.3	133.7	128.2	128.2
45°	261.9	228.5	200.6	172.7	172.7	144.9	122.6	111.4	105.9	100.3	105.9
47.5°	239.6	206.2	172.7	144.9	139.3	117.0	94.7	83.6	78.0	78.0	78.0
50°	228.5	183.9	150.4	122.6	105.9	94.7	72.4	61.3	55.7	55.7	55.7
52.5°	211.7	172.7	133.7	105.9	83.6	72.4	55.7	44.6	39.0	39.0	39.0
55°	189.4	156.0	117.0	89.2	72.4	55.7	39.0	27.9	22.3	22.3	22.3
57.5°	178.3	139.3	100.3	78.0	55.7	39.0	22.3	16.7	16.7	11.1	16.7
60°	161.6	122.6	83.6	61.3	44.6	27.9	16.7	5.6	5.6	5.6	5.6
62.5°	139.3	105.9	72.4	50.1	33.4	16.7	5.6	0.0	0.0	0.0	0.0
65°	117.0	83.6	55.7	39.0	22.3	5.6	0.0	0.0	0.0	0.0	0.0
67.5°	100.3	72.4	44.6	27.9	16.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	89.2	61.3	33.4	22.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	72.4	50.1	27.9	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	61.3	39.0	16.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	50.1	27.9	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	39.0	22.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	33.4	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	22.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.7	5.6	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: P599424
 CATALOG NUMBER: IFLD-L-SA8A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4	7845.4
2.5°	7076.5	7043.0	7210.2	7483.2	7622.5	7895.6	7962.4	8135.2	8090.6	8151.9
5°	5856.2	5923.1	6168.2	6569.4	6714.3	7109.9	7483.2	7856.5	8096.1	8213.2
7.5°	4346.2	4569.1	4869.9	5237.7	5611.0	6129.2	6764.4	7199.1	7433.1	7683.8
10°	3237.3	3476.9	3822.4	4184.6	4791.9	5371.4	6006.6	6547.1	6747.7	6981.7
12.5°	2546.4	2919.7	3320.9	3711.0	4073.1	4624.8	5410.4	6196.1	6413.4	6591.7
15°	1771.9	2228.8	2802.7	3309.8	3816.8	4296.0	5109.5	6062.4	6357.7	6658.6
17.5°	980.7	1342.9	2000.4	2713.6	3460.2	4195.7	5209.8	6307.5	6753.3	6965.0
20°	568.3	713.2	1181.3	2028.2	3014.5	3978.4	5260.0	6770.0	7360.6	7466.5
22.5°	468.0	518.2	668.6	1270.4	2468.4	3839.1	5516.3	7416.4	8018.1	8268.9
25°	401.2	440.2	518.2	763.4	1866.6	3543.8	5677.9	8224.3	8781.5	9054.5
27.5°	356.6	395.6	456.9	562.8	1270.4	3137.0	5945.3	8954.2	9511.4	9884.8
30°	312.0	345.5	406.8	479.2	880.4	2680.1	6173.8	9489.2	10274.8	10391.8
32.5°	278.6	306.5	351.0	412.3	651.9	2033.8	6357.7	10040.8	10703.9	10960.2
35°	239.6	273.0	300.9	351.0	495.9	1532.3	6246.2	10469.8	11333.5	11640.0
37.5°	211.7	234.0	261.9	295.3	417.9	1198.0	6017.8	10982.5	11874.0	12158.1
40°	178.3	195.0	228.5	261.9	378.9	925.0	5755.9	11600.9	12631.8	13133.3
42.5°	150.4	167.2	189.4	245.2	312.0	685.4	5226.6	12080.1	13244.7	13668.2
45°	117.0	139.3	172.7	245.2	250.7	507.1	4680.5	12436.8	13590.2	13801.9
47.5°	89.2	111.4	167.2	211.7	200.6	351.0	4034.1	12843.5	13946.8	14141.8
50°	66.9	89.2	189.4	183.9	167.2	267.5	3627.4	13127.7	13969.1	14074.9
52.5°	44.6	66.9	156.0	139.3	139.3	234.0	3515.9	13116.5	14024.8	13796.3
55°	33.4	50.1	89.2	100.3	122.6	206.2	3415.6	13534.4	14041.5	14203.1
57.5°	22.3	39.0	61.3	78.0	105.9	178.3	3209.5	14035.9	14559.7	14643.3
60°	11.1	27.9	44.6	61.3	89.2	156.0	2919.7	14403.7	15189.3	15278.5
62.5°	5.6	16.7	33.4	50.1	72.4	122.6	2618.8	13818.6	14916.3	15072.3
65°	0.0	11.1	22.3	33.4	44.6	89.2	2128.5	12475.8	13835.3	14409.2
67.5°	0.0	0.0	11.1	22.3	27.9	66.9	1604.7	11350.2	12837.9	13618.0
70°	0.0	0.0	5.6	5.6	16.7	50.1	1025.3	9400.0	11461.6	11890.7
72.5°	0.0	0.0	0.0	0.0	5.6	33.4	596.2	6981.7	8982.1	9778.9
75°	0.0	0.0	0.0	0.0	0.0	27.9	300.9	4491.0	6251.8	7321.6
77.5°	0.0	0.0	0.0	0.0	0.0	22.3	161.6	2897.5	4608.1	5505.2
80°	0.0	0.0	0.0	0.0	0.0	5.6	94.7	1682.8	2947.6	3571.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	39.0	824.7	1760.8	2061.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	11.1	440.2	880.4	1159.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	61.3	117.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)