

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: P599596

Luminaire Tested: **IFLD-L-SA7D-827-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: P599596
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7D-827-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (112) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

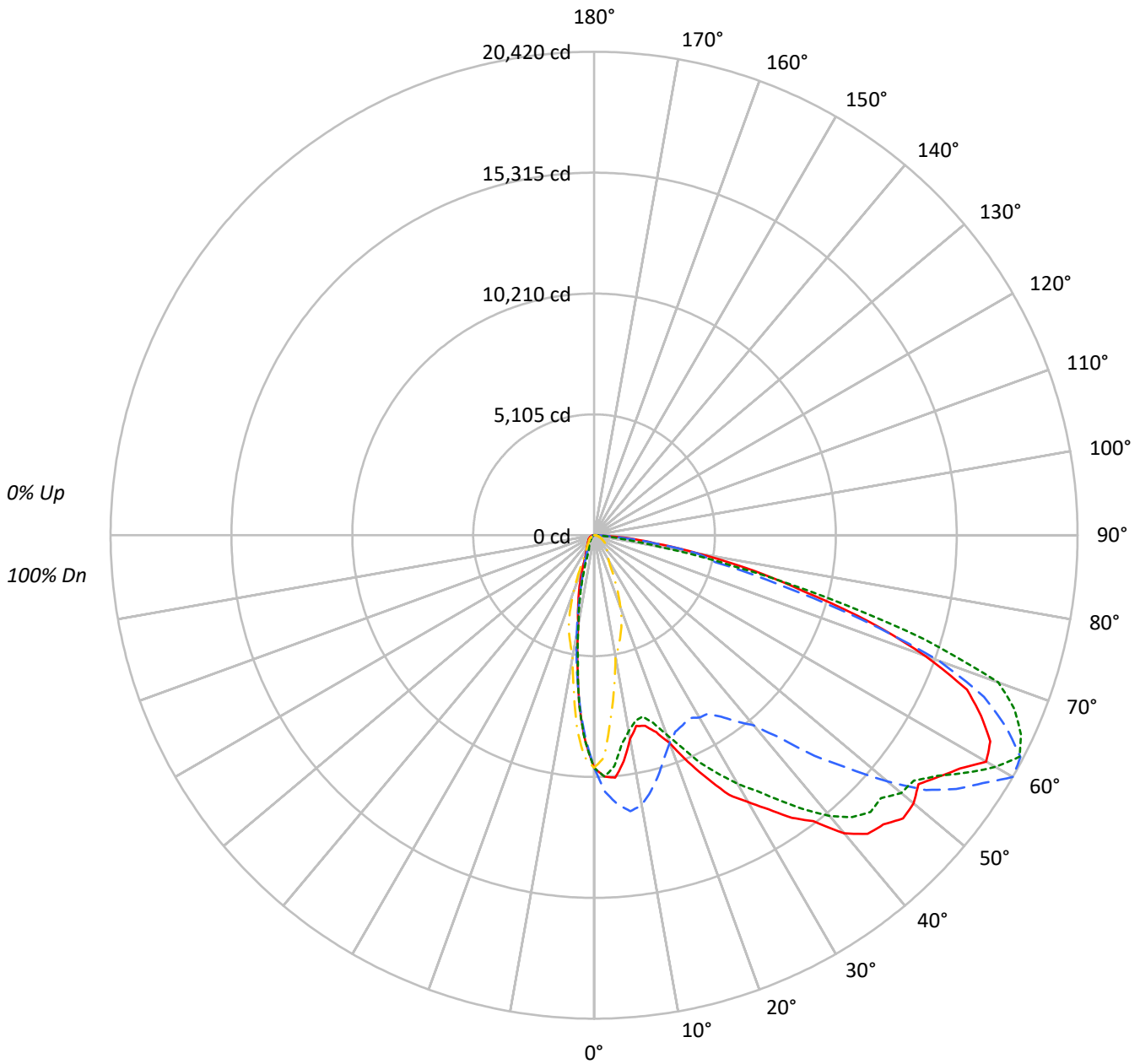
Lumens per Lamp: N/A
 Luminaire Lumens: 26116.4 lumens
 Efficiency: N/A
 Efficacy: 61.8 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 422.6
 Input Voltage (V): 120
 Input Current (A_{in}): 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				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	100	100	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	79	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61	61	61	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	48	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39	39	39	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	32	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27	27	27	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	23	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20	20	20	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	52849	52849	52849	52849
5°	55537	52862	38620	38846
10°	47756	45927	21115	20619
15°	46436	44143	13717	10336
20°	53524	51287	7349	3675
25°	67299	62950	4763	2858
30°	80831	75327	3857	2340
35°	95721	89809	3162	1878
40°	115488	108726	2793	1421
45°	131484	125751	2601	955
50°	147502	141779	2570	584
55°	166805	166216	2552	262
60°	205839	210719	2327	75
65°	229673	253299	2132	0
70°	234193	285882	1975	0
75°	190559	210862	1886	0
80°	138553	88192	1946	0
85°	89576	37038	2581	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	746.0	2.9
10°-20°	1462.9	5.6
20°-30°	2024.4	7.8
30°-40°	2860.9	11.0
40°-50°	3895.2	14.9
50°-60°	5158.9	19.8
60°-70°	5989.9	22.9
70°-80°	3392.1	13.0
80°-90°	586.1	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°	4233.2	16.2
0°-40°	7094.1	27.2
0°-60°	16148.3	61.8
0°-90°	26116.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26116.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9820	9820	9820	9820	9820	
5°	10280	9785	7148	7190	10280	923
15°	8334	7923	2462	1855	8334	2444
25°	11333	10601	802	481	11333	5286
35°	14569	13669	481	286	14569	9184
45°	17275	16522	342	126	17275	13393
55°	17777	17714	272	28	17777	16106
65°	18035	19890	167	0	18035	17581
75°	9164	10140	91	0	9164	10002
85°	1451	600	42	0	1451	1743
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°	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6
2.5°	10203.2	10419.4	10426.3	10524.0	10621.6	10621.6	10851.8	10796.0	10593.7	10558.9	10412.4
5°	10279.9	10356.6	10412.4	10907.6	11326.0	11284.2	11409.7	11326.0	10935.5	10433.3	10091.6
7.5°	9617.3	9701.0	9924.2	10768.1	11333.0	11521.3	11758.4	11235.3	10823.9	9917.2	9261.7
10°	8738.6	8899.0	9310.5	10272.9	10970.3	11570.1	11570.1	11151.7	10356.6	9470.9	8668.9
12.5°	8250.4	8571.2	8794.4	9770.8	10677.4	11088.9	11074.9	10851.8	10335.7	9219.8	8313.2
15°	8334.1	8424.8	8899.0	9659.2	10259.0	10238.0	10489.1	10419.4	10056.7	9443.0	8445.7
17.5°	8717.7	8857.2	9268.6	9659.2	9945.1	9861.4	9854.5	10189.2	10210.1	9819.6	8940.9
20°	9345.4	9756.8	9952.1	10070.7	9722.0	9366.3	9324.4	9791.7	10154.4	10300.8	9533.7
22.5°	10349.6	10621.6	11019.1	10412.4	9505.8	9059.4	8975.7	9491.8	10224.1	10872.7	10300.8
25°	11333.0	11542.2	11925.8	11144.7	9749.9	8996.6	8850.2	9296.5	10489.1	11667.7	11228.4
27.5°	12372.1	12553.5	12595.3	11681.7	9882.4	8871.1	8696.8	9296.5	10712.3	12086.2	12337.3
30°	13006.8	13223.0	13264.8	12155.9	10098.6	8975.7	8892.0	9338.4	10865.7	12441.9	13132.3
32.5°	13718.1	13773.9	13739.1	12239.6	10335.7	9282.6	8933.9	9617.3	11040.1	12867.3	13857.6
35°	14569.0	14666.6	14310.9	12623.2	10865.7	9477.9	9352.3	9959.1	11340.0	13062.6	14736.4
37.5°	15217.6	15524.4	14722.4	12769.7	10970.3	9889.3	9910.3	10670.4	11549.2	13299.7	15705.8
40°	16438.1	15922.0	15419.8	13271.8	11367.9	10586.8	10475.2	11402.7	12253.6	13453.1	16340.4
42.5°	17107.6	16835.6	15691.8	13320.6	11981.6	11549.2	11577.1	12232.6	12623.2	13885.5	16514.8
45°	17275.0	16989.0	16061.5	13355.5	12588.3	12686.0	13167.2	13292.7	13167.2	14171.5	16842.6
47.5°	17700.4	17079.7	16019.6	13822.8	13571.7	13948.3	14562.0	14834.0	13906.4	14066.8	16996.0
50°	17616.7	17261.0	15928.9	14018.0	14771.2	15768.5	16180.0	16068.4	14729.4	13850.7	16828.6
52.5°	17268.0	16884.4	16207.9	14548.1	15894.1	17100.6	17672.5	17393.5	15461.7	14338.8	16717.0
55°	17777.1	17484.2	16570.6	15266.4	16737.9	18272.3	18676.8	18467.5	16361.3	14792.2	17351.7
57.5°	18328.1	18265.3	17553.9	16110.3	17735.2	19478.8	19478.8	19220.7	17142.4	15447.7	18293.2
60°	19123.1	19262.6	18279.2	16668.2	18077.0	19409.0	20420.3	20120.4	17930.5	16598.5	19360.2
62.5°	18865.1	19311.4	19213.8	17867.8	18467.5	19750.8	20301.7	20524.9	18906.9	18000.3	20783.0
65°	18035.1	18509.4	19206.8	18655.8	18174.6	18920.9	19199.8	19876.3	19395.1	19318.4	21368.8
67.5°	17044.8	17560.9	17993.3	19185.9	17581.8	18077.0	17832.9	18049.1	18865.1	20762.0	21703.5
70°	14882.8	15378.0	16061.5	18007.2	16012.6	15566.3	15503.5	15398.9	16668.2	20245.9	20183.2
72.5°	12239.6	12469.8	13599.6	14638.7	11849.1	11765.4	11863.0	11744.5	13216.0	18328.1	17288.9
75°	9164.0	9394.2	10035.8	11242.3	8069.1	7587.9	8145.8	8696.8	10091.6	14227.3	12421.0
77.5°	6890.5	7183.4	7587.9	8410.8	5921.0	5167.8	5244.6	5767.6	7295.0	11395.8	6960.2
80°	4470.4	4435.6	5216.7	5788.5	4456.5	4596.0	4400.7	4784.3	5286.4	6095.4	3556.8
82.5°	2580.4	2615.3	2943.1	3319.7	3103.5	3549.8	2559.5	4275.2	3773.0	2482.8	1325.1
85°	1450.6	1513.4	1813.3	2301.5	1945.8	1304.2	1067.0	2120.1	2371.2	1018.2	641.6
87.5°	146.5	125.5	244.1	871.8	530.0	216.2	320.8	509.1	571.9	383.6	188.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6
2.5°	10203.2	10203.2	10028.8	9735.9	9617.3	9408.1	9122.2	9212.8	9115.2	8759.5	8668.9
5°	9784.7	9450.0	9087.3	8641.0	8382.9	7852.9	7685.5	7385.6	7434.4	7134.5	7148.5
7.5°	8913.0	8647.9	8034.2	7448.4	6939.3	6479.0	5830.4	5586.3	5349.2	5230.6	5370.1
10°	8403.8	7908.7	7071.8	6304.6	5628.1	5216.7	4784.3	4449.5	4142.6	3912.5	3863.7
12.5°	8034.2	7594.8	6583.6	5649.1	5119.0	4784.3	4386.7	3926.4	3626.6	3229.0	3110.5
15°	7922.6	7385.6	6318.6	5391.0	4874.9	4324.0	3870.7	3417.3	3026.8	2608.3	2461.9
17.5°	8306.2	7685.5	6311.6	5181.8	4456.5	3863.7	3236.0	2726.9	2329.4	1945.8	1855.1
20°	8954.8	8006.3	6513.9	5056.3	4059.0	3263.9	2552.5	2043.4	1597.1	1346.0	1283.2
22.5°	9694.1	8550.3	6534.8	4721.5	3661.4	2664.1	1862.1	1346.0	1094.9	976.4	941.5
25°	10600.7	9422.1	6785.8	4449.5	3194.2	2022.5	1325.1	1032.2	885.7	816.0	802.0
27.5°	11346.9	10028.8	7057.8	4163.6	2733.9	1499.4	1039.1	843.9	767.2	697.4	690.4
30°	12121.1	10726.2	7134.5	3989.2	2336.3	1234.4	892.7	746.2	662.5	627.7	620.7
32.5°	12797.6	11486.4	7378.6	3703.3	1959.7	1088.0	809.0	669.5	613.7	557.9	551.0
35°	13669.3	11925.8	7497.2	3549.8	1820.3	983.4	739.3	613.7	530.0	495.2	481.2
37.5°	14603.9	12351.2	7573.9	3431.3	1701.7	920.6	697.4	578.9	502.1	453.3	439.4
40°	15475.6	12951.0	7462.3	3284.8	1611.0	843.9	669.5	537.0	467.3	418.4	397.5
42.5°	16145.1	13536.8	7427.5	3145.3	1513.4	816.0	634.6	516.1	439.4	383.6	376.6
45°	16521.7	13934.3	7183.4	3033.8	1436.7	829.9	620.7	488.2	418.4	369.6	341.7
47.5°	16431.1	14241.2	7246.1	2998.9	1332.1	774.1	613.7	467.3	383.6	341.7	320.8
50°	16933.2	14861.9	7141.5	2887.3	1255.3	697.4	669.5	467.3	376.6	327.8	306.9
52.5°	17016.9	15426.8	7364.7	2685.0	1136.8	641.6	662.5	460.3	362.7	313.8	285.9
55°	17714.3	16082.4	7797.1	2573.5	1039.1	557.9	606.8	446.3	327.8	285.9	272.0
57.5°	18662.8	17442.3	8076.1	2468.8	906.6	488.2	509.1	439.4	299.9	265.0	244.1
60°	19576.4	17986.3	8097.0	2280.5	781.1	439.4	397.5	439.4	279.0	237.1	216.2
62.5°	20259.9	17986.3	7957.5	2120.1	683.5	390.6	348.7	418.4	251.1	209.2	195.3
65°	19890.3	17505.1	7594.8	1987.6	620.7	341.7	299.9	320.8	223.2	181.3	167.4
67.5°	19227.7	16005.7	6792.8	1827.2	613.7	299.9	258.0	237.1	195.3	160.4	146.5
70°	18167.6	13983.2	5656.0	1645.9	599.8	272.0	230.1	202.3	174.4	139.5	125.5
72.5°	14638.7	11549.2	4644.8	1541.3	585.8	237.1	195.3	174.4	146.5	118.6	104.6
75°	10140.4	7378.6	3577.7	1318.1	571.9	216.2	181.3	153.4	125.5	97.6	90.7
77.5°	6081.5	4930.7	2308.4	990.3	376.6	174.4	153.4	118.6	104.6	83.7	76.7
80°	2845.5	2329.4	934.5	383.6	181.3	125.5	104.6	90.7	83.7	69.7	62.8
82.5°	1115.9	983.4	453.3	223.2	146.5	97.6	83.7	76.7	69.7	55.8	48.8
85°	599.8	530.0	216.2	153.4	104.6	69.7	69.7	62.8	55.8	48.8	41.8
87.5°	132.5	97.6	90.7	90.7	76.7	55.8	55.8	48.8	41.8	34.9	27.9
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°	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6
2.5°	8620.0	8724.7	8557.3	8661.9	8515.4	8627.0	8641.0	8536.4	8564.2	8703.7	8766.5
5°	7343.8	7274.0	7120.6	7071.8	7078.8	6988.1	7023.0	7071.8	7148.5	7190.3	7315.9
7.5°	5293.4	5453.8	5446.8	5565.4	5572.3	5558.4	5460.8	5251.5	5321.3	5265.5	5335.2
10°	3787.0	3856.7	3989.2	4065.9	4205.4	4128.7	3905.5	3821.8	3780.0	3773.0	3842.8
12.5°	3026.8	2859.4	2845.5	2873.3	2943.1	2852.4	2740.8	2643.2	2692.0	2789.7	2866.4
15°	2343.3	2203.8	2022.5	1994.6	2008.6	1966.7	1848.1	1722.6	1757.5	1855.1	1910.9
17.5°	1799.3	1638.9	1513.4	1429.7	1401.8	1255.3	1081.0	976.4	948.5	941.5	990.3
20°	1213.5	1185.6	1164.7	1060.1	1060.1	850.8	704.4	627.7	627.7	641.6	648.6
22.5°	906.6	871.8	878.7	857.8	802.0	634.6	557.9	537.0	537.0	551.0	551.0
25°	788.1	739.3	725.3	718.3	662.5	544.0	488.2	467.3	467.3	481.2	481.2
27.5°	669.5	655.6	634.6	606.8	557.9	467.3	432.4	411.5	418.4	425.4	418.4
30°	613.7	578.9	551.0	551.0	495.2	418.4	390.6	376.6	362.7	376.6	383.6
32.5°	544.0	523.1	509.1	488.2	425.4	369.6	341.7	327.8	320.8	320.8	327.8
35°	467.3	467.3	453.3	425.4	369.6	334.8	299.9	285.9	279.0	285.9	285.9
37.5°	418.4	397.5	404.5	376.6	327.8	292.9	258.0	244.1	244.1	237.1	244.1
40°	390.6	355.7	334.8	320.8	292.9	251.1	223.2	209.2	202.3	202.3	202.3
42.5°	348.7	320.8	279.0	272.0	265.0	216.2	181.3	174.4	167.4	160.4	160.4
45°	327.8	285.9	251.1	216.2	216.2	181.3	153.4	139.5	132.5	125.5	132.5
47.5°	299.9	258.0	216.2	181.3	174.4	146.5	118.6	104.6	97.6	97.6	97.6
50°	285.9	230.1	188.3	153.4	132.5	118.6	90.7	76.7	69.7	69.7	69.7
52.5°	265.0	216.2	167.4	132.5	104.6	90.7	69.7	55.8	48.8	48.8	48.8
55°	237.1	195.3	146.5	111.6	90.7	69.7	48.8	34.9	27.9	27.9	27.9
57.5°	223.2	174.4	125.5	97.6	69.7	48.8	27.9	20.9	20.9	13.9	20.9
60°	202.3	153.4	104.6	76.7	55.8	34.9	20.9	7.0	7.0	7.0	7.0
62.5°	174.4	132.5	90.7	62.8	41.8	20.9	7.0	0.0	0.0	0.0	0.0
65°	146.5	104.6	69.7	48.8	27.9	7.0	0.0	0.0	0.0	0.0	0.0
67.5°	125.5	90.7	55.8	34.9	20.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	111.6	76.7	41.8	27.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	90.7	62.8	34.9	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	76.7	48.8	20.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	62.8	34.9	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	48.8	27.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	41.8	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	27.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.9	7.0	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

TEST NUMBER: P599596
 CATALOG NUMBER: IFLD-L-SA7D-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6	9819.6
2.5°	8857.2	8815.3	9024.5	9366.3	9540.6	9882.4	9966.1	10182.3	10126.5	10203.2
5°	7329.8	7413.5	7720.4	8222.5	8403.8	8899.0	9366.3	9833.5	10133.4	10279.9
7.5°	5439.8	5718.8	6095.4	6555.7	7023.0	7671.6	8466.6	9010.6	9303.5	9617.3
10°	4052.0	4351.9	4784.3	5237.6	5997.8	6723.1	7518.1	8194.6	8445.7	8738.6
12.5°	3187.2	3654.5	4156.6	4644.8	5098.1	5788.5	6771.9	7755.2	8027.2	8250.4
15°	2217.8	2789.7	3508.0	4142.6	4777.3	5377.1	6395.3	7587.9	7957.5	8334.1
17.5°	1227.4	1680.8	2503.7	3396.4	4330.9	5251.5	6520.8	7894.7	8452.7	8717.7
20°	711.4	892.7	1478.5	2538.6	3773.0	4979.5	6583.6	8473.6	9212.8	9345.4
22.5°	585.8	648.6	836.9	1590.1	3089.5	4805.2	6904.4	9282.6	10035.8	10349.6
25°	502.1	551.0	648.6	955.5	2336.3	4435.6	7106.7	10293.8	10991.3	11333.0
27.5°	446.3	495.2	571.9	704.4	1590.1	3926.4	7441.4	11207.4	11904.9	12372.1
30°	390.6	432.4	509.1	599.8	1101.9	3354.6	7727.4	11877.0	12860.3	13006.8
32.5°	348.7	383.6	439.4	516.1	816.0	2545.6	7957.5	12567.4	13397.3	13718.1
35°	299.9	341.7	376.6	439.4	620.7	1917.9	7818.0	13104.4	14185.4	14569.0
37.5°	265.0	292.9	327.8	369.6	523.1	1499.4	7532.1	13746.0	14861.9	15217.6
40°	223.2	244.1	285.9	327.8	474.2	1157.7	7204.3	14520.2	15810.4	16438.1
42.5°	188.3	209.2	237.1	306.9	390.6	857.8	6541.7	15119.9	16577.5	17107.6
45°	146.5	174.4	216.2	306.9	313.8	634.6	5858.3	15566.3	17009.9	17275.0
47.5°	111.6	139.5	209.2	265.0	251.1	439.4	5049.3	16075.4	17456.3	17700.4
50°	83.7	111.6	237.1	230.1	209.2	334.8	4540.2	16431.1	17484.2	17616.7
52.5°	55.8	83.7	195.3	174.4	174.4	292.9	4400.7	16417.1	17553.9	17268.0
55°	41.8	62.8	111.6	125.5	153.4	258.0	4275.2	16940.2	17574.8	17777.1
57.5°	27.9	48.8	76.7	97.6	132.5	223.2	4017.1	17567.9	18223.4	18328.1
60°	13.9	34.9	55.8	76.7	111.6	195.3	3654.5	18028.2	19011.5	19123.1
62.5°	7.0	20.9	41.8	62.8	90.7	153.4	3277.8	17295.9	18669.8	18865.1
65°	0.0	13.9	27.9	41.8	55.8	111.6	2664.1	15615.1	17316.8	18035.1
67.5°	0.0	0.0	13.9	27.9	34.9	83.7	2008.6	14206.3	16068.4	17044.8
70°	0.0	0.0	7.0	7.0	20.9	62.8	1283.2	11765.4	14345.8	14882.8
72.5°	0.0	0.0	0.0	0.0	7.0	41.8	746.2	8738.6	11242.3	12239.6
75°	0.0	0.0	0.0	0.0	0.0	34.9	376.6	5621.2	7825.0	9164.0
77.5°	0.0	0.0	0.0	0.0	0.0	27.9	202.3	3626.6	5767.6	6890.5
80°	0.0	0.0	0.0	0.0	0.0	7.0	118.6	2106.2	3689.3	4470.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	48.8	1032.2	2203.8	2580.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	13.9	551.0	1101.9	1450.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	76.7	146.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)