

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: P599601

Luminaire Tested: **IFLD-L-SA8D-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: P599601
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8D-827-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (128) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

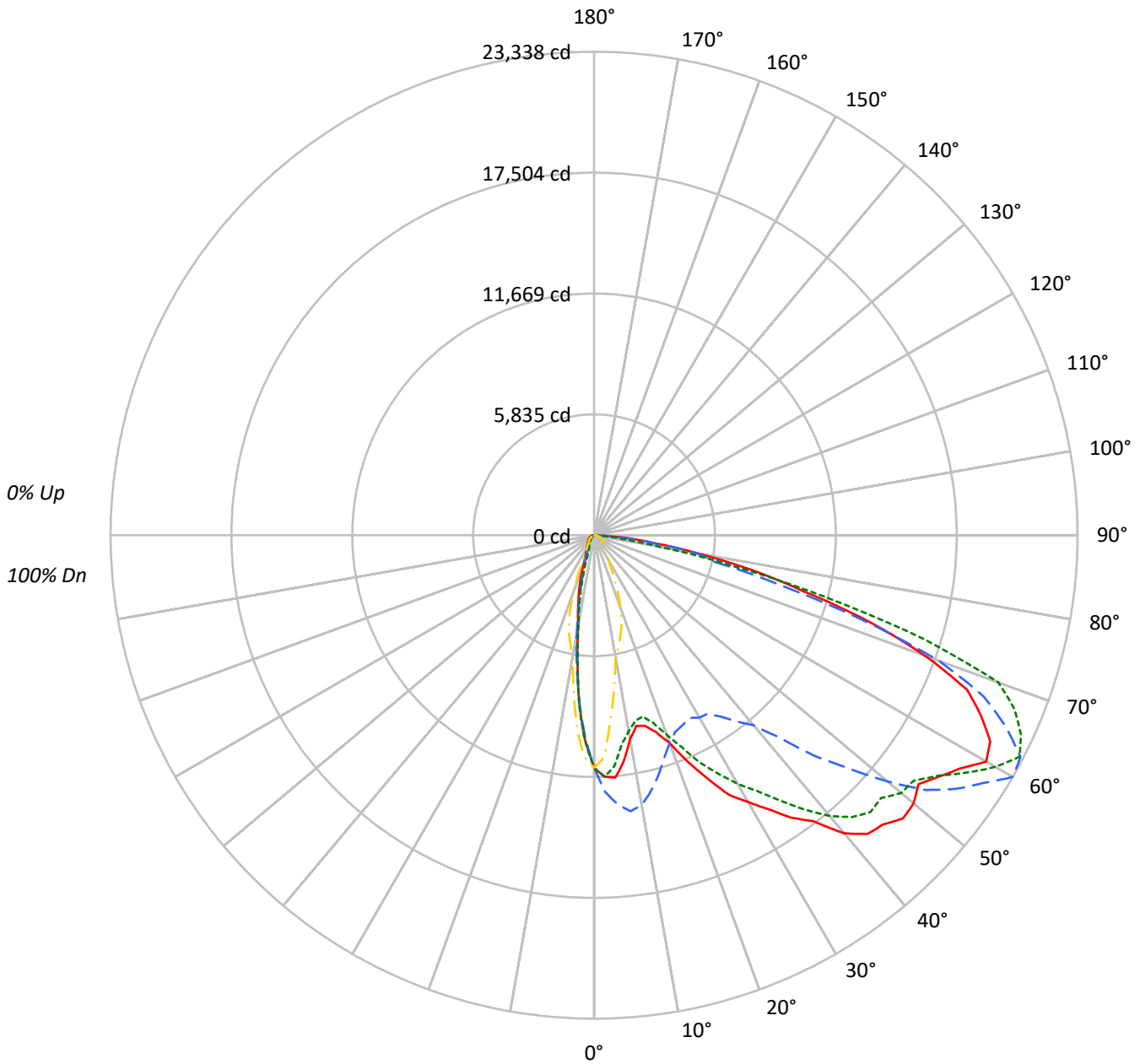
Lumens per Lamp: N/A
 Luminaire Lumens: 29847.4 lumens
 Efficiency: N/A
 Efficacy: 61.1 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 488.3
 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	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°	60398	60398	60398	60398
5°	63471	60414	44137	44396
10°	54579	52488	24131	23565
15°	53070	50450	15677	11813
20°	61170	58614	8400	4200
25°	76913	71943	5443	3266
30°	92379	86088	4409	2675
35°	109395	102640	3614	2147
40°	131987	124259	3192	1624
45°	150268	143715	2973	1092
50°	168574	162034	2936	667
55°	190635	189962	2916	299
60°	235245	240822	2660	86
65°	262485	289485	2436	0
70°	267650	326724	2258	0
75°	217783	240987	2154	0
80°	158349	100791	2222	0
85°	102377	42330	2952	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.5	2.9
10°-20°	1671.8	5.6
20°-30°	2313.5	7.8
30°-40°	3269.6	11.0
40°-50°	4451.7	14.9
50°-60°	5896.0	19.8
60°-70°	6845.6	22.9
70°-80°	3876.7	13.0
80°-90°	669.8	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°	4837.9	16.2
0°-40°	8107.6	27.2
0°-60°	18455.2	61.8
0°-90°	29847.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29847.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11222	11222	11222	11222	11222	
5°	11748	11183	8170	8218	11748	1055
15°	9525	9054	2814	2120	9525	2794
25°	12952	12115	917	550	12952	6041
35°	16650	15622	550	327	16650	10496
45°	19743	18882	391	144	19743	15306
55°	20317	20245	311	32	20317	18407
65°	20612	22732	191	0	20612	20093
75°	10473	11589	104	0	10473	11430
85°	1658	686	48	0	1658	1992
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°	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4
2.5°	11660.8	11907.9	11915.9	12027.4	12139.0	12139.0	12402.1	12338.3	12107.1	12067.3	11899.9
5°	11748.5	11836.1	11899.9	12465.8	12944.0	12896.2	13039.7	12944.0	12497.7	11923.8	11533.3
7.5°	10991.3	11086.9	11342.0	12306.4	12952.0	13167.2	13438.2	12840.4	12370.2	11334.0	10584.8
10°	9987.0	10170.3	10640.6	11740.5	12537.6	13223.0	13223.0	12744.8	11836.1	10823.9	9907.3
12.5°	9429.1	9795.7	10050.8	11166.6	12202.8	12673.0	12657.1	12402.1	11812.2	10537.0	9500.8
15°	9524.7	9628.3	10170.3	11039.1	11724.6	11700.7	11987.6	11907.9	11493.4	10792.0	9652.2
17.5°	9963.1	10122.5	10592.8	11039.1	11365.9	11270.2	11262.3	11644.9	11668.8	11222.4	10218.1
20°	10680.4	11150.7	11373.9	11509.4	11110.8	10704.3	10656.5	11190.5	11605.0	11772.4	10895.6
22.5°	11828.2	12139.0	12593.3	11899.9	10863.8	10353.6	10258.0	10847.8	11684.7	12426.0	11772.4
25°	12952.0	13191.1	13629.5	12736.8	11142.7	10281.9	10114.5	10624.6	11987.6	13334.6	12832.5
27.5°	14139.6	14346.8	14394.7	13350.5	11294.2	10138.4	9939.2	10624.6	12242.6	13812.8	14099.8
30°	14864.9	15112.0	15159.8	13892.5	11541.2	10258.0	10162.4	10672.5	12418.0	14219.3	15008.4
32.5°	15677.9	15741.7	15701.8	13988.2	11812.2	10608.7	10210.2	10991.3	12617.3	14705.5	15837.3
35°	16650.3	16761.9	16355.4	14426.6	12418.0	10831.9	10688.4	11381.8	12960.0	14928.7	16841.6
37.5°	17391.6	17742.3	16825.7	14593.9	12537.6	11302.1	11326.0	12194.8	13199.1	15199.7	17949.5
40°	18786.4	18196.6	17622.7	15167.8	12991.9	12099.2	11971.6	13031.7	14004.1	15375.0	18674.8
42.5°	19551.6	19240.7	17933.6	15223.6	13693.3	13199.1	13231.0	13980.2	14426.6	15869.2	18874.1
45°	19742.9	19416.1	18356.0	15263.5	14386.7	14498.3	15048.2	15191.7	15048.2	16196.0	19248.7
47.5°	20229.1	19519.7	18308.2	15797.5	15510.5	15940.9	16642.3	16953.2	15893.1	16076.4	19424.0
50°	20133.4	19726.9	18204.6	16020.6	16881.5	18021.2	18491.5	18364.0	16833.6	15829.4	19232.7
52.5°	19734.9	19296.5	18523.4	16626.4	18164.7	19543.6	20197.2	19878.4	17670.5	16387.3	19105.2
55°	20316.7	19982.0	18937.8	17447.4	19129.1	20882.6	21344.9	21105.8	18698.7	16905.4	19830.5
57.5°	20946.4	20874.7	20061.7	18411.8	20268.9	22261.5	22261.5	21966.6	19591.4	17654.6	20906.5
60°	21855.0	22014.4	20890.6	19049.4	20659.5	22181.8	23337.5	22994.8	20492.1	18969.7	22126.0
62.5°	21560.1	22070.2	21958.6	20420.3	21105.8	22572.4	23202.0	23457.1	21607.9	20571.8	23752.0
65°	20611.6	21153.6	21950.7	21321.0	20771.0	21623.9	21942.7	22715.8	22165.9	22078.2	24421.5
67.5°	19479.8	20069.6	20563.8	21926.8	20093.6	20659.5	20380.5	20627.6	21560.1	23728.1	24804.1
70°	17009.0	17574.9	18356.0	20579.8	18300.2	17790.1	17718.4	17598.8	19049.4	23138.3	23066.5
72.5°	13988.2	14251.2	15542.4	16730.0	13541.8	13446.2	13557.8	13422.3	15104.0	20946.4	19758.8
75°	10473.2	10736.2	11469.5	12848.4	9221.8	8671.9	9309.5	9939.2	11533.3	16259.8	14195.4
77.5°	7874.8	8209.6	8671.9	9612.4	6766.9	5906.1	5993.8	6591.6	8337.1	13023.7	7954.5
80°	5109.1	5069.2	5961.9	6615.5	5093.1	5252.5	5029.4	5467.7	6041.6	6966.2	4064.9
82.5°	2949.1	2988.9	3363.5	3793.9	3546.9	4057.0	2925.2	4885.9	4312.0	2837.5	1514.4
85°	1657.9	1729.6	2072.3	2630.3	2223.8	1490.5	1219.5	2423.0	2710.0	1163.7	733.3
87.5°	167.4	143.5	279.0	996.3	605.8	247.1	366.6	581.8	653.6	438.4	215.2
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°	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4
2.5°	11660.8	11660.8	11461.5	11126.8	10991.3	10752.2	10425.4	10529.0	10417.4	10010.9	9907.3
5°	11182.6	10800.0	10385.5	9875.4	9580.5	8974.7	8783.5	8440.7	8496.5	8153.8	8169.7
7.5°	10186.3	9883.4	9182.0	8512.5	7930.6	7404.6	6663.3	6384.3	6113.4	5977.9	6137.3
10°	9604.4	9038.5	8082.1	7205.3	6432.2	5961.9	5467.7	5085.2	4734.5	4471.4	4415.6
12.5°	9182.0	8679.8	7524.1	6456.1	5850.3	5467.7	5013.4	4487.4	4144.6	3690.3	3554.8
15°	9054.5	8440.7	7221.2	6161.2	5571.4	4941.7	4423.6	3905.5	3459.2	2981.0	2813.6
17.5°	9492.8	8783.5	7213.3	5922.1	5093.1	4415.6	3698.3	3116.5	2662.1	2223.8	2120.1
20°	10234.1	9150.1	7444.4	5778.6	4638.8	3730.2	2917.2	2335.3	1825.2	1538.3	1466.6
22.5°	11079.0	9771.8	7468.3	5396.0	4184.5	3044.7	2128.1	1538.3	1251.4	1115.9	1076.0
25°	12115.1	10768.1	7755.3	5085.2	3650.5	2311.4	1514.4	1179.6	1012.2	932.5	916.6
27.5°	12968.0	11461.5	8066.1	4758.4	3124.4	1713.7	1187.6	964.4	876.8	797.0	789.1
30°	13852.7	12258.6	8153.8	4559.1	2670.1	1410.8	1020.2	852.8	757.2	717.3	709.4
32.5°	14625.8	13127.4	8432.8	4232.3	2239.7	1243.4	924.6	765.2	701.4	637.6	629.7
35°	15622.1	13629.5	8568.3	4057.0	2080.3	1123.8	844.9	701.4	605.8	565.9	550.0
37.5°	16690.2	14115.7	8655.9	3921.5	1944.8	1052.1	797.0	661.5	573.9	518.1	502.1
40°	17686.5	14801.2	8528.4	3754.1	1841.2	964.4	765.2	613.7	534.0	478.2	454.3
42.5°	18451.6	15470.7	8488.6	3594.7	1729.6	932.5	725.3	589.8	502.1	438.4	430.4
45°	18882.0	15925.0	8209.6	3467.2	1641.9	948.5	709.4	557.9	478.2	422.4	390.6
47.5°	18778.4	16275.7	8281.3	3427.3	1522.4	884.7	701.4	534.0	438.4	390.6	366.6
50°	19352.3	16985.1	8161.8	3299.8	1434.7	797.0	765.2	534.0	430.4	374.6	350.7
52.5°	19447.9	17630.7	8416.8	3068.6	1299.2	733.3	757.2	526.1	414.5	358.7	326.8
55°	20245.0	18379.9	8911.0	2941.1	1187.6	637.6	693.4	510.1	374.6	326.8	310.8
57.5°	21329.0	19934.1	9229.8	2821.5	1036.2	557.9	581.8	502.1	342.7	302.9	279.0
60°	22373.1	20555.8	9253.7	2606.3	892.7	502.1	454.3	502.1	318.8	271.0	247.1
62.5°	23154.2	20555.8	9094.3	2423.0	781.1	446.3	398.5	478.2	286.9	239.1	223.2
65°	22731.8	20005.9	8679.8	2271.6	709.4	390.6	342.7	366.6	255.1	207.2	191.3
67.5°	21974.6	18292.2	7763.2	2088.3	701.4	342.7	294.9	271.0	223.2	183.3	167.4
70°	20763.1	15980.8	6464.1	1881.0	685.5	310.8	263.0	231.1	199.3	159.4	143.5
72.5°	16730.0	13199.1	5308.3	1761.5	669.5	271.0	223.2	199.3	167.4	135.5	119.6
75°	11589.1	8432.8	4088.9	1506.4	653.6	247.1	207.2	175.4	143.5	111.6	103.6
77.5°	6950.3	5635.1	2638.2	1131.8	430.4	199.3	175.4	135.5	119.6	95.6	87.7
80°	3252.0	2662.1	1068.0	438.4	207.2	143.5	119.6	103.6	95.6	79.7	71.7
82.5°	1275.3	1123.8	518.1	255.1	167.4	111.6	95.6	87.7	79.7	63.8	55.8
85°	685.5	605.8	247.1	175.4	119.6	79.7	79.7	71.7	63.8	55.8	47.8
87.5°	151.4	111.6	103.6	103.6	87.7	63.8	63.8	55.8	47.8	39.9	31.9
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°	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4
2.5°	9851.5	9971.1	9779.8	9899.3	9731.9	9859.5	9875.4	9755.9	9787.7	9947.1	10018.9
5°	8392.9	8313.2	8137.9	8082.1	8090.0	7986.4	8026.3	8082.1	8169.7	8217.6	8361.0
7.5°	6049.6	6232.9	6224.9	6360.4	6368.4	6352.5	6240.9	6001.8	6081.5	6017.7	6097.4
10°	4328.0	4407.7	4559.1	4646.8	4806.2	4718.5	4463.5	4367.8	4320.0	4312.0	4391.7
12.5°	3459.2	3267.9	3252.0	3283.8	3363.5	3259.9	3132.4	3020.8	3076.6	3188.2	3275.9
15°	2678.1	2518.7	2311.4	2279.6	2295.5	2247.7	2112.2	1968.7	2008.6	2120.1	2183.9
17.5°	2056.4	1873.1	1729.6	1633.9	1602.1	1434.7	1235.4	1115.9	1084.0	1076.0	1131.8
20°	1386.9	1355.0	1331.1	1211.5	1211.5	972.4	805.0	717.3	717.3	733.3	741.3
22.5°	1036.2	996.3	1004.3	980.4	916.6	725.3	637.6	613.7	613.7	629.7	629.7
25°	900.7	844.9	828.9	821.0	757.2	621.7	557.9	534.0	534.0	550.0	550.0
27.5°	765.2	749.2	725.3	693.4	637.6	534.0	494.2	470.3	478.2	486.2	478.2
30°	701.4	661.5	629.7	629.7	565.9	478.2	446.3	430.4	414.5	430.4	438.4
32.5°	621.7	597.8	581.8	557.9	486.2	422.4	390.6	374.6	366.6	366.6	374.6
35°	534.0	534.0	518.1	486.2	422.4	382.6	342.7	326.8	318.8	326.8	326.8
37.5°	478.2	454.3	462.3	430.4	374.6	334.8	294.9	279.0	279.0	271.0	279.0
40°	446.3	406.5	382.6	366.6	334.8	286.9	255.1	239.1	231.1	231.1	231.1
42.5°	398.5	366.6	318.8	310.8	302.9	247.1	207.2	199.3	191.3	183.3	183.3
45°	374.6	326.8	286.9	247.1	247.1	207.2	175.4	159.4	151.4	143.5	151.4
47.5°	342.7	294.9	247.1	207.2	199.3	167.4	135.5	119.6	111.6	111.6	111.6
50°	326.8	263.0	215.2	175.4	151.4	135.5	103.6	87.7	79.7	79.7	79.7
52.5°	302.9	247.1	191.3	151.4	119.6	103.6	79.7	63.8	55.8	55.8	55.8
55°	271.0	223.2	167.4	127.5	103.6	79.7	55.8	39.9	31.9	31.9	31.9
57.5°	255.1	199.3	143.5	111.6	79.7	55.8	31.9	23.9	23.9	15.9	23.9
60°	231.1	175.4	119.6	87.7	63.8	39.9	23.9	8.0	8.0	8.0	8.0
62.5°	199.3	151.4	103.6	71.7	47.8	23.9	8.0	0.0	0.0	0.0	0.0
65°	167.4	119.6	79.7	55.8	31.9	8.0	0.0	0.0	0.0	0.0	0.0
67.5°	143.5	103.6	63.8	39.9	23.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	127.5	87.7	47.8	31.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	103.6	71.7	39.9	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	87.7	55.8	23.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	71.7	39.9	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	55.8	31.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	47.8	23.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	23.9	8.0	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: P599601
 CATALOG NUMBER: IFLD-L-SA8D-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4	11222.4
2.5°	10122.5	10074.7	10313.8	10704.3	10903.6	11294.2	11389.8	11636.9	11573.1	11660.8
5°	8377.0	8472.6	8823.3	9397.2	9604.4	10170.3	10704.3	11238.4	11581.1	11748.5
7.5°	6217.0	6535.8	6966.2	7492.2	8026.3	8767.5	9676.2	10297.8	10632.6	10991.3
10°	4630.8	4973.6	5467.7	5985.8	6854.6	7683.5	8592.2	9365.3	9652.2	9987.0
12.5°	3642.5	4176.5	4750.4	5308.3	5826.4	6615.5	7739.3	8863.2	9174.0	9429.1
15°	2534.6	3188.2	4009.1	4734.5	5459.8	6145.2	7308.9	8671.9	9094.3	9524.7
17.5°	1402.8	1920.9	2861.4	3881.6	4949.7	6001.8	7452.4	9022.6	9660.2	9963.1
20°	813.0	1020.2	1689.7	2901.3	4312.0	5690.9	7524.1	9684.1	10529.0	10680.4
22.5°	669.5	741.3	956.5	1817.3	3530.9	5491.7	7890.8	10608.7	11469.5	11828.2
25°	573.9	629.7	741.3	1092.0	2670.1	5069.2	8121.9	11764.4	12561.5	12952.0
27.5°	510.1	565.9	653.6	805.0	1817.3	4487.4	8504.5	12808.5	13605.6	14139.6
30°	446.3	494.2	581.8	685.5	1259.3	3833.8	8831.3	13573.7	14697.5	14864.9
32.5°	398.5	438.4	502.1	589.8	932.5	2909.2	9094.3	14362.8	15311.3	15677.9
35°	342.7	390.6	430.4	502.1	709.4	2191.9	8934.9	14976.5	16211.9	16650.3
37.5°	302.9	334.8	374.6	422.4	597.8	1713.7	8608.1	15709.8	16985.1	17391.6
40°	255.1	279.0	326.8	374.6	542.0	1323.1	8233.5	16594.5	18069.1	18786.4
42.5°	215.2	239.1	271.0	350.7	446.3	980.4	7476.3	17280.0	18945.8	19551.6
45°	167.4	199.3	247.1	350.7	358.7	725.3	6695.2	17790.1	19440.0	19742.9
47.5°	127.5	159.4	239.1	302.9	286.9	502.1	5770.6	18371.9	19950.1	20229.1
50°	95.6	127.5	271.0	263.0	239.1	382.6	5188.8	18778.4	19982.0	20133.4
52.5°	63.8	95.6	223.2	199.3	199.3	334.8	5029.4	18762.5	20061.7	19734.9
55°	47.8	71.7	127.5	143.5	175.4	294.9	4885.9	19360.3	20085.6	20316.7
57.5°	31.9	55.8	87.7	111.6	151.4	255.1	4591.0	20077.6	20826.8	20946.4
60°	15.9	39.9	63.8	87.7	127.5	223.2	4176.5	20603.7	21727.5	21855.0
62.5°	8.0	23.9	47.8	71.7	103.6	175.4	3746.1	19766.8	21336.9	21560.1
65°	0.0	15.9	31.9	47.8	63.8	127.5	3044.7	17845.9	19790.7	20611.6
67.5°	0.0	0.0	15.9	31.9	39.9	95.6	2295.5	16235.8	18364.0	19479.8
70°	0.0	0.0	8.0	8.0	23.9	71.7	1466.6	13446.2	16395.3	17009.0
72.5°	0.0	0.0	0.0	0.0	8.0	47.8	852.8	9987.0	12848.4	13988.2
75°	0.0	0.0	0.0	0.0	0.0	39.9	430.4	6424.2	8942.9	10473.2
77.5°	0.0	0.0	0.0	0.0	0.0	31.9	231.1	4144.6	6591.6	7874.8
80°	0.0	0.0	0.0	0.0	0.0	8.0	135.5	2407.1	4216.4	5109.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	55.8	1179.6	2518.7	2949.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	15.9	629.7	1259.3	1657.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.9	87.7	167.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)