

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: P599629

Luminaire Tested: **IFLD-L-SA8C-830-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: P599629
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8C-830-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (128) 3000K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

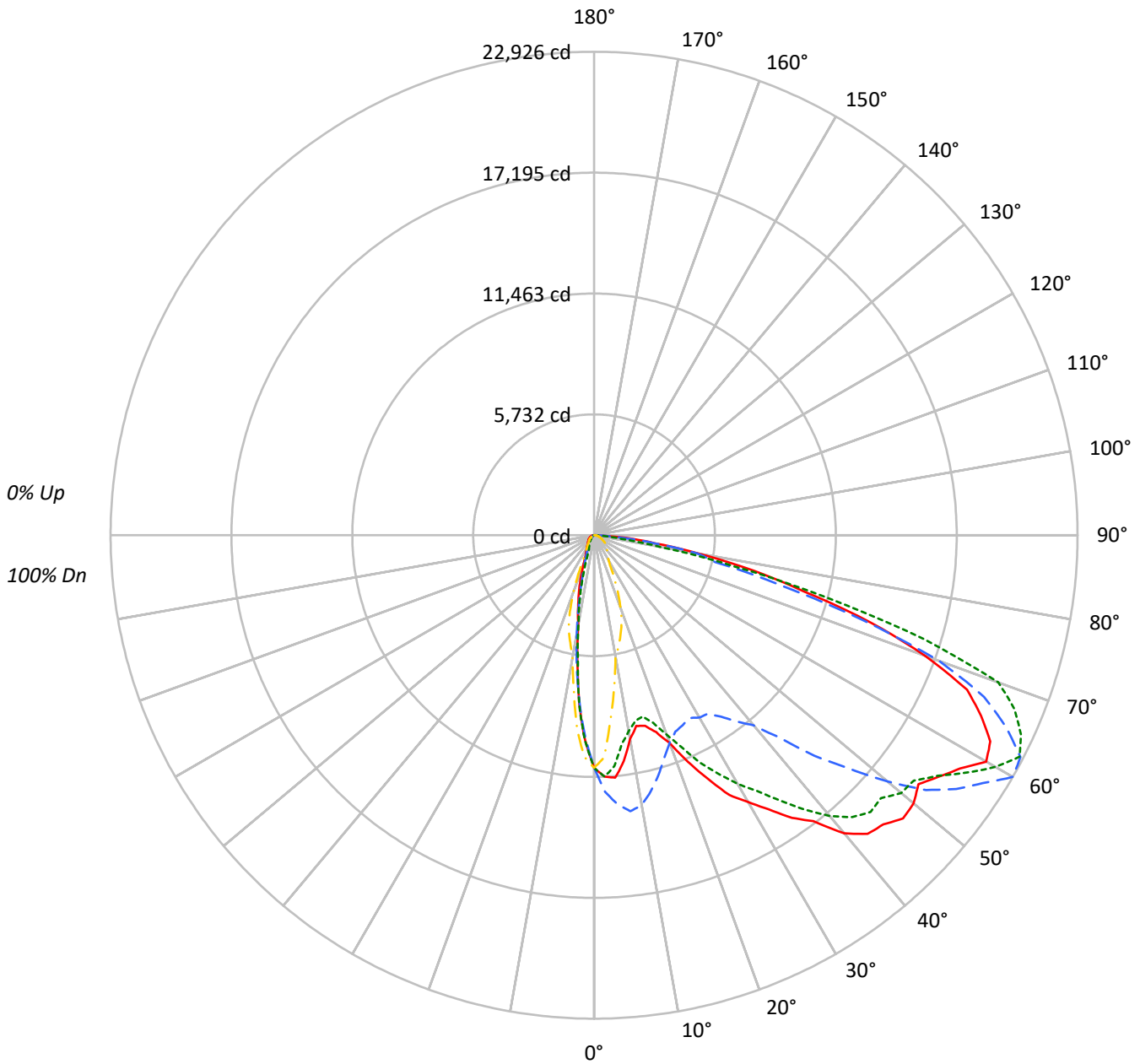
Lumens per Lamp: N/A
 Luminaire Lumens: 29321.2 lumens
 Efficiency: N/A
 Efficacy: 69.8 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 420.3
 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				
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°	59334	59334	59334	59334
5°	62352	59349	43359	43613
10°	53616	51563	23706	23150
15°	52134	49560	15400	11605
20°	60092	57581	8251	4126
25°	75558	70675	5347	3208
30°	90750	84570	4331	2628
35°	107467	100830	3550	2109
40°	129660	122069	3136	1596
45°	147618	141182	2920	1072
50°	165601	159177	2884	656
55°	187274	186613	2866	294
60°	231098	236577	2612	84
65°	257857	284381	2393	0
70°	262931	320963	2217	0
75°	213942	236737	2117	0
80°	155556	99012	2185	0
85°	100568	41583	2902	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	837.5	2.9
10°-20°	1642.4	5.6
20°-30°	2272.8	7.8
30°-40°	3212.0	11.0
40°-50°	4373.2	14.9
50°-60°	5792.0	19.8
60°-70°	6724.9	22.9
70°-80°	3808.4	13.0
80°-90°	658.0	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°	4752.6	16.2
0°-40°	7964.6	27.2
0°-60°	18129.8	61.8
0°-90°	29321.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29321.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11025	11025	11025	11025	11025	
5°	11541	10985	8026	8073	11541	1036
15°	9357	8895	2764	2083	9357	2744
25°	12724	11902	900	540	12724	5934
35°	16357	15347	540	321	16357	10311
45°	19395	18549	384	141	19395	15037
55°	19958	19888	305	31	19958	18083
65°	20248	22331	188	0	20248	19738
75°	10288	11385	102	0	10288	11229
85°	1629	673	47	0	1629	1957
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°	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6
2.5°	11455.2	11697.9	11705.8	11815.4	11925.0	11925.0	12183.4	12120.8	11893.7	11854.5	11690.1
5°	11541.3	11627.5	11690.1	12246.0	12715.8	12668.9	12809.8	12715.8	12277.4	11713.6	11329.9
7.5°	10797.5	10891.5	11142.0	12089.4	12723.7	12935.1	13201.3	12614.0	12152.1	11134.2	10398.2
10°	9810.9	9991.0	10453.0	11533.5	12316.5	12989.9	12989.9	12520.1	11627.5	10633.1	9732.6
12.5°	9262.8	9623.0	9873.6	10969.8	11987.6	12449.6	12434.0	12183.4	11604.0	10351.2	9333.3
15°	9356.8	9458.6	9991.0	10844.5	11517.9	11494.4	11776.2	11697.9	11290.8	10601.7	9482.1
17.5°	9787.4	9944.0	10406.0	10844.5	11165.5	11071.5	11063.7	11439.6	11463.0	11024.6	10038.0
20°	10492.1	10954.1	11173.3	11306.4	10914.9	10515.6	10468.6	10993.2	11400.4	11564.8	10703.5
22.5°	11619.6	11925.0	12371.3	11690.1	10672.2	10171.1	10077.1	10656.6	11478.7	12206.9	11564.8
25°	12723.7	12958.6	13389.2	12512.3	10946.3	10100.6	9936.2	10437.3	11776.2	13099.5	12606.2
27.5°	13890.3	14093.9	14140.9	13115.2	11095.0	9959.7	9763.9	10437.3	12026.8	13569.3	13851.2
30°	14602.9	14845.6	14892.6	13647.6	11337.8	10077.1	9983.2	10484.3	12199.1	13968.6	14743.8
32.5°	15401.5	15464.1	15425.0	13741.6	11604.0	10421.7	10030.2	10797.5	12394.8	14446.3	15558.1
35°	16356.8	16466.4	16067.1	14172.2	12199.1	10640.9	10500.0	11181.2	12731.5	14665.5	16544.7
37.5°	17084.9	17429.5	16529.0	14336.6	12316.5	11102.9	11126.4	11979.8	12966.4	14931.7	17633.0
40°	18455.2	17875.8	17312.0	14900.4	12762.8	11885.9	11760.6	12802.0	13757.2	15104.0	18345.6
42.5°	19206.9	18901.5	17617.4	14955.2	13451.8	12966.4	12997.7	13733.7	14172.2	15589.4	18541.3
45°	19394.8	19073.7	18032.4	14994.3	14133.1	14242.7	14782.9	14923.9	14782.9	15910.5	18909.3
47.5°	19872.4	19175.5	17985.4	15519.0	15237.1	15659.9	16348.9	16654.3	15612.9	15793.0	19081.6
50°	19778.4	19379.1	17883.6	15738.2	16583.8	17703.5	18165.5	18040.2	16536.8	15550.3	18893.7
52.5°	19386.9	18956.3	18196.8	16333.3	17844.4	19199.0	19841.1	19527.9	17359.0	16098.4	18768.4
55°	19958.5	19629.7	18604.0	17139.8	18791.9	20514.5	20968.6	20733.7	18369.1	16607.3	19480.9
57.5°	20577.1	20506.6	19708.0	18087.2	19911.6	21869.0	21869.0	21579.3	19246.0	17343.3	20537.9
60°	21469.7	21626.3	20522.3	18713.6	20295.2	21790.7	22926.1	22589.4	20130.8	18635.3	21735.9
62.5°	21180.0	21681.1	21571.5	20060.3	20733.7	22174.4	22793.0	23043.5	21227.0	20209.1	23333.2
65°	20248.2	20780.7	21563.7	20945.1	20404.8	21242.6	21555.8	22315.3	21775.1	21689.0	23991.0
67.5°	19136.4	19715.8	20201.3	21540.2	19739.3	20295.2	20021.2	20263.9	21180.0	23309.8	24366.8
70°	16709.1	17265.0	18032.4	20216.9	17977.6	17476.4	17406.0	17288.5	18713.6	22730.3	22659.9
72.5°	13741.6	13999.9	15268.4	16435.1	13303.1	13209.1	13318.7	13185.6	14837.7	20577.1	19410.4
75°	10288.5	10546.9	11267.3	12621.9	9059.2	8519.0	9145.4	9763.9	11329.9	15973.1	13945.1
77.5°	7736.0	8064.8	8519.0	9442.9	6647.6	5802.0	5888.1	6475.4	8190.1	12794.1	7814.3
80°	5019.0	4979.8	5856.8	6498.9	5003.3	5159.9	4940.7	5371.3	5935.1	6843.4	3993.3
82.5°	2897.1	2936.2	3304.2	3727.1	3484.3	3985.4	2873.6	4799.8	4236.0	2787.5	1487.7
85°	1628.6	1699.1	2035.8	2583.9	2184.6	1464.2	1198.0	2380.3	2662.2	1143.2	720.4
87.5°	164.4	140.9	274.0	978.7	595.1	242.7	360.2	571.6	642.1	430.6	211.4
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°	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6
2.5°	11455.2	11455.2	11259.5	10930.6	10797.5	10562.6	10241.6	10343.4	10233.7	9834.4	9732.6
5°	10985.4	10609.6	10202.4	9701.3	9411.6	8816.5	8628.6	8291.9	8346.7	8010.0	8025.7
7.5°	10006.7	9709.1	9020.1	8362.4	7790.8	7274.0	6545.8	6271.8	6005.6	5872.5	6029.1
10°	9435.1	8879.2	7939.6	7078.3	6318.8	5856.8	5371.3	4995.5	4651.0	4392.6	4337.8
12.5°	9020.1	8526.8	7391.5	6342.3	5747.2	5371.3	4925.0	4408.3	4071.6	3625.3	3492.2
15°	8894.8	8291.9	7093.9	6052.5	5473.1	4854.6	4345.6	3836.7	3398.2	2928.4	2764.0
17.5°	9325.5	8628.6	7086.1	5817.7	5003.3	4337.8	3633.1	3061.5	2615.2	2184.6	2082.8
20°	10053.7	8988.8	7313.2	5676.7	4557.0	3664.4	2865.8	2294.2	1793.1	1511.2	1440.7
22.5°	10883.6	9599.5	7336.7	5300.9	4110.7	2991.0	2090.6	1511.2	1229.3	1096.2	1057.0
25°	11901.5	10578.3	7618.5	4995.5	3586.1	2270.7	1487.7	1158.8	994.4	916.1	900.4
27.5°	12739.3	11259.5	7923.9	4674.5	3069.3	1683.4	1166.7	947.4	861.3	783.0	775.2
30°	13608.4	12042.5	8010.0	4478.7	2623.0	1385.9	1002.2	837.8	743.8	704.7	696.9
32.5°	14368.0	12895.9	8284.1	4157.7	2200.2	1221.5	908.3	751.7	689.0	626.4	618.6
35°	15346.7	13389.2	8417.2	3985.4	2043.6	1104.0	830.0	689.0	595.1	555.9	540.3
37.5°	16395.9	13866.8	8503.3	3852.3	1910.5	1033.6	783.0	649.9	563.8	508.9	493.3
40°	17374.7	14540.2	8378.0	3687.9	1808.7	947.4	751.7	602.9	524.6	469.8	446.3
42.5°	18126.3	15197.9	8338.9	3531.3	1699.1	916.1	712.5	579.4	493.3	430.6	422.8
45°	18549.1	15644.2	8064.8	3406.0	1613.0	931.8	696.9	548.1	469.8	415.0	383.7
47.5°	18447.4	15988.8	8135.3	3366.9	1495.5	869.1	689.0	524.6	430.6	383.7	360.2
50°	19011.1	16685.6	8017.9	3241.6	1409.4	783.0	751.7	524.6	422.8	368.0	344.5
52.5°	19105.1	17319.8	8268.4	3014.5	1276.3	720.4	743.8	516.8	407.2	352.3	321.0
55°	19888.1	18055.9	8753.9	2889.3	1166.7	626.4	681.2	501.1	368.0	321.0	305.4
57.5°	20952.9	19582.7	9067.1	2771.8	1017.9	548.1	571.6	493.3	336.7	297.5	274.0
60°	21978.7	20193.4	9090.6	2560.4	877.0	493.3	446.3	493.3	313.2	266.2	242.7
62.5°	22746.0	20193.4	8934.0	2380.3	767.3	438.5	391.5	469.8	281.9	234.9	219.2
65°	22331.0	19653.2	8526.8	2231.5	696.9	383.7	336.7	360.2	250.6	203.6	187.9
67.5°	21587.2	17969.7	7626.4	2051.4	689.0	336.7	289.7	266.2	219.2	180.1	164.4
70°	20397.0	15699.0	6350.1	1847.9	673.4	305.4	258.4	227.1	195.7	156.6	140.9
72.5°	16435.1	12966.4	5214.7	1730.4	657.7	266.2	219.2	195.7	164.4	133.1	117.4
75°	11384.7	8284.1	4016.8	1479.9	642.1	242.7	203.6	172.3	140.9	109.6	101.8
77.5°	6827.7	5535.8	2591.7	1111.9	422.8	195.7	172.3	133.1	117.4	94.0	86.1
80°	3194.6	2615.2	1049.2	430.6	203.6	140.9	117.4	101.8	94.0	78.3	70.5
82.5°	1252.8	1104.0	508.9	250.6	164.4	109.6	94.0	86.1	78.3	62.6	54.8
85°	673.4	595.1	242.7	172.3	117.4	78.3	78.3	70.5	62.6	54.8	47.0
87.5°	148.8	109.6	101.8	101.8	86.1	62.6	62.6	54.8	47.0	39.1	31.3
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°	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6
2.5°	9677.8	9795.3	9607.3	9724.8	9560.4	9685.6	9701.3	9583.9	9615.2	9771.8	9842.2
5°	8244.9	8166.6	7994.4	7939.6	7947.4	7845.6	7884.8	7939.6	8025.7	8072.7	8213.6
7.5°	5942.9	6123.0	6115.2	6248.3	6256.1	6240.5	6130.8	5895.9	5974.2	5911.6	5989.9
10°	4251.7	4330.0	4478.7	4564.9	4721.5	4635.3	4384.8	4290.8	4243.8	4236.0	4314.3
12.5°	3398.2	3210.3	3194.6	3225.9	3304.2	3202.4	3077.2	2967.5	3022.4	3132.0	3218.1
15°	2630.9	2474.3	2270.7	2239.4	2255.0	2208.0	2074.9	1934.0	1973.1	2082.8	2145.4
17.5°	2020.1	1840.0	1699.1	1605.1	1573.8	1409.4	1213.6	1096.2	1064.9	1057.0	1111.9
20°	1362.4	1331.1	1307.6	1190.2	1190.2	955.3	790.8	704.7	704.7	720.4	728.2
22.5°	1017.9	978.7	986.6	963.1	900.4	712.5	626.4	602.9	602.9	618.6	618.6
25°	884.8	830.0	814.3	806.5	743.8	610.7	548.1	524.6	524.6	540.3	540.3
27.5°	751.7	736.0	712.5	681.2	626.4	524.6	485.5	462.0	469.8	477.6	469.8
30°	689.0	649.9	618.6	618.6	555.9	469.8	438.5	422.8	407.2	422.8	430.6
32.5°	610.7	587.2	571.6	548.1	477.6	415.0	383.7	368.0	360.2	360.2	368.0
35°	524.6	524.6	508.9	477.6	415.0	375.8	336.7	321.0	313.2	321.0	321.0
37.5°	469.8	446.3	454.1	422.8	368.0	328.9	289.7	274.0	274.0	266.2	274.0
40°	438.5	399.3	375.8	360.2	328.9	281.9	250.6	234.9	227.1	227.1	227.1
42.5°	391.5	360.2	313.2	305.4	297.5	242.7	203.6	195.7	187.9	180.1	180.1
45°	368.0	321.0	281.9	242.7	242.7	203.6	172.3	156.6	148.8	140.9	148.8
47.5°	336.7	289.7	242.7	203.6	195.7	164.4	133.1	117.4	109.6	109.6	109.6
50°	321.0	258.4	211.4	172.3	148.8	133.1	101.8	86.1	78.3	78.3	78.3
52.5°	297.5	242.7	187.9	148.8	117.4	101.8	78.3	62.6	54.8	54.8	54.8
55°	266.2	219.2	164.4	125.3	101.8	78.3	54.8	39.1	31.3	31.3	31.3
57.5°	250.6	195.7	140.9	109.6	78.3	54.8	31.3	23.5	23.5	15.7	23.5
60°	227.1	172.3	117.4	86.1	62.6	39.1	23.5	7.8	7.8	7.8	7.8
62.5°	195.7	148.8	101.8	70.5	47.0	23.5	7.8	0.0	0.0	0.0	0.0
65°	164.4	117.4	78.3	54.8	31.3	7.8	0.0	0.0	0.0	0.0	0.0
67.5°	140.9	101.8	62.6	39.1	23.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	125.3	86.1	47.0	31.3	7.8	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	101.8	70.5	39.1	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	86.1	54.8	23.5	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	70.5	39.1	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	54.8	31.3	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	47.0	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.3	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	23.5	7.8	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: P599629
 CATALOG NUMBER: IFLD-L-SA8C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6	11024.6
2.5°	9944.0	9897.1	10132.0	10515.6	10711.4	11095.0	11189.0	11431.7	11369.1	11455.2
5°	8229.3	8323.2	8667.8	9231.5	9435.1	9991.0	10515.6	11040.2	11376.9	11541.3
7.5°	6107.4	6420.6	6843.4	7360.1	7884.8	8612.9	9505.6	10116.3	10445.1	10797.5
10°	4549.2	4885.9	5371.3	5880.3	6733.8	7548.1	8440.7	9200.2	9482.1	9810.9
12.5°	3578.3	4102.9	4666.6	5214.7	5723.7	6498.9	7602.9	8706.9	9012.3	9262.8
15°	2489.9	3132.0	3938.5	4651.0	5363.5	6036.9	7180.1	8519.0	8934.0	9356.8
17.5°	1378.1	1887.0	2811.0	3813.2	4862.4	5895.9	7321.0	8863.5	9489.9	9787.4
20°	798.7	1002.2	1659.9	2850.1	4236.0	5590.6	7391.5	9513.4	10343.4	10492.1
22.5°	657.7	728.2	939.6	1785.2	3468.7	5394.8	7751.6	10421.7	11267.3	11619.6
25°	563.8	618.6	728.2	1072.7	2623.0	4979.8	7978.7	11557.0	12340.0	12723.7
27.5°	501.1	555.9	642.1	790.8	1785.2	4408.3	8354.6	12582.7	13365.7	13890.3
30°	438.5	485.5	571.6	673.4	1237.1	3766.2	8675.6	13334.4	14438.4	14602.9
32.5°	391.5	430.6	493.3	579.4	916.1	2857.9	8934.0	14109.6	15041.3	15401.5
35°	336.7	383.7	422.8	493.3	696.9	2153.2	8777.4	14712.5	15926.1	16356.8
37.5°	297.5	328.9	368.0	415.0	587.2	1683.4	8456.3	15432.8	16685.6	17084.9
40°	250.6	274.0	321.0	368.0	532.4	1299.8	8088.3	16301.9	17750.5	18455.2
42.5°	211.4	234.9	266.2	344.5	438.5	963.1	7344.5	16975.3	18611.8	19206.9
45°	164.4	195.7	242.7	344.5	352.3	712.5	6577.2	17476.4	19097.2	19394.8
47.5°	125.3	156.6	234.9	297.5	281.9	493.3	5668.9	18048.0	19598.4	19872.4
50°	94.0	125.3	266.2	258.4	234.9	375.8	5097.3	18447.4	19629.7	19778.4
52.5°	62.6	94.0	219.2	195.7	195.7	328.9	4940.7	18431.7	19708.0	19386.9
55°	47.0	70.5	125.3	140.9	172.3	289.7	4799.8	19018.9	19731.5	19958.5
57.5°	31.3	54.8	86.1	109.6	148.8	250.6	4510.0	19723.6	20459.7	20577.1
60°	15.7	39.1	62.6	86.1	125.3	219.2	4102.9	20240.4	21344.4	21469.7
62.5°	7.8	23.5	47.0	70.5	101.8	172.3	3680.1	19418.3	20960.8	21180.0
65°	0.0	15.7	31.3	47.0	62.6	125.3	2991.0	17531.3	19441.8	20248.2
67.5°	0.0	0.0	15.7	31.3	39.1	94.0	2255.0	15949.6	18040.2	19136.4
70°	0.0	0.0	7.8	7.8	23.5	70.5	1440.7	13209.1	16106.2	16709.1
72.5°	0.0	0.0	0.0	0.0	7.8	47.0	837.8	9810.9	12621.9	13741.6
75°	0.0	0.0	0.0	0.0	0.0	39.1	422.8	6310.9	8785.2	10288.5
77.5°	0.0	0.0	0.0	0.0	0.0	31.3	227.1	4071.6	6475.4	7736.0
80°	0.0	0.0	0.0	0.0	0.0	7.8	133.1	2364.6	4142.0	5019.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	54.8	1158.8	2474.3	2897.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	15.7	618.6	1237.1	1628.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	86.1	164.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)