

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: P599625

Luminaire Tested: **IFLD-L-SA7D-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: P599625
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7D-830-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (112) 3000K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

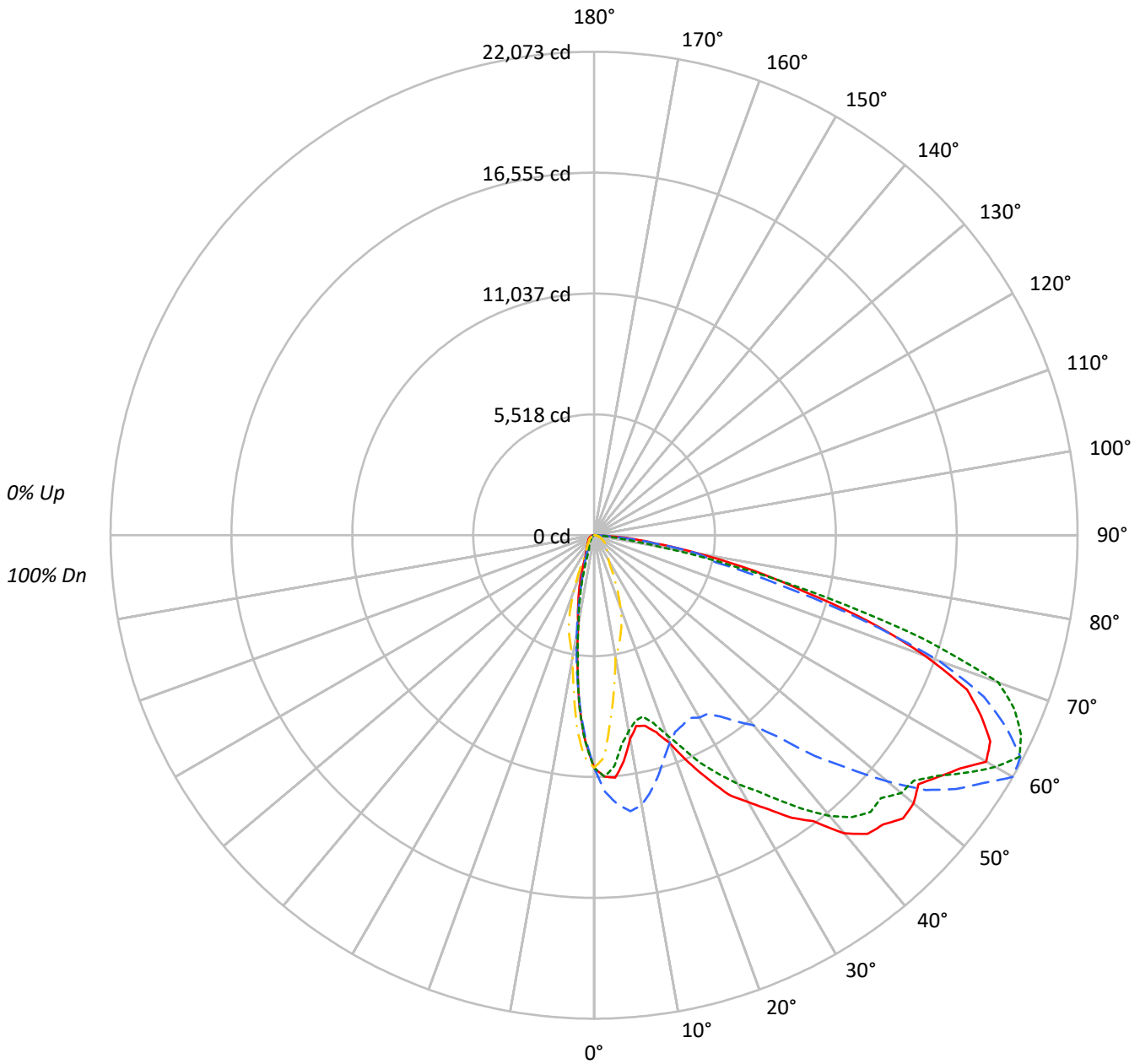
Lumens per Lamp: N/A
 Luminaire Lumens: 28230.3 lumens
 Efficiency: N/A
 Efficacy: 66.8 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 422.6
 Input Voltage (V): 120
 Input Current (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°	57126	57126	57126	57126
5°	60033	57141	41746	41990
10°	51622	49644	22824	22288
15°	50195	47716	14827	11173
20°	57857	55439	7944	3972
25°	72746	68046	5148	3089
30°	87374	81424	4169	2530
35°	103468	97079	3418	2031
40°	124836	117526	3019	1536
45°	142126	135929	2812	1033
50°	159441	153255	2777	631
55°	180307	179670	2759	283
60°	222501	227775	2516	81
65°	248264	273801	2304	0
70°	253150	309023	2135	0
75°	205984	227930	2038	0
80°	149770	95330	2101	0
85°	96826	40033	2791	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	806.4	2.9
10°-20°	1581.3	5.6
20°-30°	2188.2	7.8
30°-40°	3092.5	11.0
40°-50°	4210.5	14.9
50°-60°	5576.5	19.8
60°-70°	6474.8	22.9
70°-80°	3666.7	13.0
80°-90°	633.5	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°	4575.8	16.2
0°-40°	7668.3	27.2
0°-60°	17455.3	61.8
0°-90°	28230.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28230.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10614	10614	10614	10614	10614	
5°	11112	10577	7727	7772	11112	998
15°	9009	8564	2661	2005	9009	2642
25°	12250	11459	867	520	12250	5713
35°	15748	14776	520	309	15748	9928
45°	18673	17859	369	136	18673	14477
55°	19216	19148	294	30	19216	17410
65°	19495	21500	181	0	19495	19004
75°	9906	10961	98	0	9906	10811
85°	1568	648	45	0	1568	1884
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°	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4
2.5°	11029.0	11262.7	11270.3	11375.8	11481.4	11481.4	11730.1	11669.8	11451.2	11413.5	11255.2
5°	11112.0	11194.9	11255.2	11790.4	12242.8	12197.5	12333.2	12242.8	11820.6	11277.8	10908.4
7.5°	10395.8	10486.2	10727.5	11639.7	12250.3	12453.8	12710.1	12144.8	11700.0	10719.9	10011.3
10°	9445.9	9619.3	10064.1	11104.4	11858.3	12506.6	12506.6	12054.3	11194.9	10237.5	9370.5
12.5°	8918.2	9265.0	9506.2	10561.6	11541.7	11986.4	11971.4	11730.1	11172.3	9966.1	8986.1
15°	9008.7	9106.7	9619.3	10441.0	11089.3	11066.7	11338.1	11262.7	10870.7	10207.3	9129.3
17.5°	9423.3	9574.1	10018.9	10441.0	10750.1	10659.6	10652.1	11014.0	11036.6	10614.4	9664.5
20°	10101.8	10546.6	10757.6	10885.8	10508.9	10124.4	10079.2	10584.3	10976.3	11134.6	10305.3
22.5°	11187.3	11481.4	11911.1	11255.2	10275.2	9792.7	9702.2	10260.1	11051.6	11752.7	11134.6
25°	12250.3	12476.5	12891.1	12046.7	10539.0	9724.8	9566.5	10049.0	11338.1	12612.1	12137.2
27.5°	13373.5	13569.6	13614.8	12627.2	10682.3	9589.2	9400.7	10049.0	11579.4	13064.5	13335.9
30°	14059.6	14293.3	14338.5	13139.9	10916.0	9702.2	9611.8	10094.2	11745.2	13448.9	14195.3
32.5°	14828.5	14888.8	14851.1	13230.3	11172.3	10033.9	9657.0	10395.8	11933.7	13908.8	14979.3
35°	15748.2	15853.8	15469.3	13644.9	11745.2	10245.0	10109.3	10765.2	12257.8	14119.9	15929.1
37.5°	16449.3	16781.0	15914.1	13803.3	11858.3	10689.8	10712.4	11534.1	12484.0	14376.2	16977.0
40°	17768.6	17210.7	16667.9	14346.0	12288.0	11443.7	11323.0	12325.7	13245.4	14542.0	17663.0
42.5°	18492.3	18198.3	16961.9	14398.8	12951.4	12484.0	12514.1	13222.8	13644.9	15009.4	17851.5
45°	18673.2	18364.1	17361.5	14436.5	13607.2	13712.8	14233.0	14368.7	14233.0	15318.5	18205.8
47.5°	19133.1	18462.1	17316.3	14941.6	14670.2	15077.3	15740.7	16034.7	15032.1	15205.4	18371.7
50°	19042.6	18658.1	17218.3	15152.7	15966.8	17044.9	17489.6	17369.0	15921.6	14971.7	18190.7
52.5°	18665.7	18251.1	17519.8	15725.6	17180.6	18484.7	19102.9	18801.4	16713.2	15499.4	18070.1
55°	19216.0	18899.4	17911.8	16502.1	18092.7	19751.2	20188.5	19962.3	17685.7	15989.5	18756.1
57.5°	19811.5	19743.7	18974.8	17414.3	19170.8	21055.4	21055.4	20776.5	18530.0	16698.1	19773.9
60°	20671.0	20821.7	19758.8	18017.4	19540.2	20980.0	22073.1	21749.0	19381.8	17942.0	20927.3
62.5°	20392.0	20874.5	20769.0	19314.0	19962.3	21349.4	21945.0	22186.2	20437.3	19457.2	22465.2
65°	19494.9	20007.6	20761.4	20165.9	19645.7	20452.3	20753.9	21485.1	20965.0	20882.0	23098.4
67.5°	18424.4	18982.3	19449.7	20738.8	19004.9	19540.2	19276.3	19510.0	20392.0	22442.5	23460.3
70°	16087.5	16622.7	17361.5	19464.8	17308.7	16826.2	16758.4	16645.3	18017.4	21884.7	21816.8
72.5°	13230.3	13479.1	14700.4	15823.6	12808.2	12717.7	12823.2	12695.1	14285.7	19811.5	18688.3
75°	9905.8	10154.5	10848.1	12152.3	8722.2	8202.0	8805.1	9400.7	10908.4	15378.8	13426.3
77.5°	7448.2	7764.8	8202.0	9091.6	6400.3	5586.1	5669.1	6234.5	7885.4	12318.1	7523.6
80°	4832.3	4794.6	5638.9	6257.1	4817.2	4968.0	4756.9	5171.5	5714.3	6588.8	3844.7
82.5°	2789.3	2827.0	3181.3	3588.4	3354.7	3837.2	2766.7	4621.2	4078.4	2683.8	1432.3
85°	1568.0	1635.9	1960.0	2487.8	2103.3	1409.7	1153.4	2291.7	2563.1	1100.6	693.6
87.5°	158.3	135.7	263.9	942.3	572.9	233.7	346.8	550.3	618.2	414.6	203.5
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°	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4
2.5°	11029.0	11029.0	10840.6	10523.9	10395.8	10169.6	9860.5	9958.5	9853.0	9468.5	9370.5
5°	10576.7	10214.9	9822.8	9340.4	9061.4	8488.5	8307.6	7983.4	8036.2	7712.0	7727.1
7.5°	9634.4	9347.9	8684.5	8051.3	7500.9	7003.4	6302.3	6038.5	5782.1	5654.0	5804.8
10°	9084.1	8548.8	7644.2	6814.9	6083.7	5638.9	5171.5	4809.7	4478.0	4229.2	4176.4
12.5°	8684.5	8209.6	7116.5	6106.3	5533.4	5171.5	4741.8	4244.3	3920.1	3490.4	3362.2
15°	8563.9	7983.4	6830.0	5827.4	5269.5	4674.0	4183.9	3693.9	3271.8	2819.5	2661.1
17.5°	8978.5	8307.6	6822.5	5601.2	4817.2	4176.4	3497.9	2947.6	2517.9	2103.3	2005.3
20°	9679.6	8654.4	7041.1	5465.5	4387.5	3528.1	2759.1	2208.8	1726.3	1455.0	1387.1
22.5°	10478.7	9242.4	7063.7	5103.7	3957.8	2879.8	2012.8	1455.0	1183.6	1055.4	1017.7
25°	11458.7	10184.7	7335.1	4809.7	3452.7	2186.2	1432.3	1115.7	957.4	882.0	866.9
27.5°	12265.4	10840.6	7629.1	4500.6	2955.1	1620.8	1123.3	912.2	829.3	753.9	746.3
30°	13102.2	11594.4	7712.0	4312.1	2525.4	1334.3	964.9	806.6	716.2	678.5	670.9
32.5°	13833.4	12416.1	7975.9	4003.0	2118.4	1176.0	874.5	723.7	663.4	603.1	595.6
35°	14775.7	12891.1	8104.0	3837.2	1967.6	1062.9	799.1	663.4	572.9	535.2	520.2
37.5°	15785.9	13350.9	8187.0	3709.0	1839.4	995.1	753.9	625.7	542.8	490.0	474.9
40°	16728.2	13999.3	8066.3	3550.7	1741.4	912.2	723.7	580.5	505.1	452.3	429.7
42.5°	17452.0	14632.5	8028.7	3399.9	1635.9	882.0	686.0	557.9	474.9	414.6	407.1
45°	17859.0	15062.2	7764.8	3279.3	1553.0	897.1	670.9	527.7	452.3	399.5	369.4
47.5°	17761.0	15393.9	7832.6	3241.6	1439.9	836.8	663.4	505.1	414.6	369.4	346.8
50°	18303.8	16064.8	7719.6	3121.0	1357.0	753.9	723.7	505.1	407.1	354.3	331.7
52.5°	18394.3	16675.5	7960.8	2902.4	1228.8	693.6	716.2	497.6	392.0	339.2	309.1
55°	19148.1	17384.1	8428.2	2781.8	1123.3	603.1	655.9	482.5	354.3	309.1	294.0
57.5°	20173.4	18854.1	8729.7	2668.7	980.0	527.7	550.3	474.9	324.2	286.5	263.9
60°	21161.0	19442.2	8752.4	2465.1	844.3	474.9	429.7	474.9	301.5	256.3	233.7
62.5°	21899.8	19442.2	8601.6	2291.7	738.8	422.2	376.9	452.3	271.4	226.2	211.1
65°	21500.2	18922.0	8209.6	2148.5	670.9	369.4	324.2	346.8	241.2	196.0	180.9
67.5°	20784.0	17301.2	7342.6	1975.1	663.4	324.2	278.9	256.3	211.1	173.4	158.3
70°	19638.2	15115.0	6113.8	1779.1	648.3	294.0	248.8	218.6	188.5	150.8	135.7
72.5°	15823.6	12484.0	5020.7	1666.0	633.2	256.3	211.1	188.5	158.3	128.2	113.1
75°	10961.2	7975.9	3867.3	1424.8	618.2	233.7	196.0	165.9	135.7	105.5	98.0
77.5°	6573.7	5329.8	2495.3	1070.5	407.1	188.5	165.9	128.2	113.1	90.5	82.9
80°	3075.8	2517.9	1010.2	414.6	196.0	135.7	113.1	98.0	90.5	75.4	67.8
82.5°	1206.2	1062.9	490.0	241.2	158.3	105.5	90.5	82.9	75.4	60.3	52.8
85°	648.3	572.9	233.7	165.9	113.1	75.4	75.4	67.8	60.3	52.8	45.2
87.5°	143.2	105.5	98.0	98.0	82.9	60.3	60.3	52.8	45.2	37.7	30.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4
2.5°	9317.8	9430.8	9249.9	9363.0	9204.7	9325.3	9340.4	9227.3	9257.5	9408.2	9476.1
5°	7938.2	7862.8	7697.0	7644.2	7651.7	7553.7	7591.4	7644.2	7727.1	7772.3	7908.0
7.5°	5721.8	5895.2	5887.7	6015.8	6023.4	6008.3	5902.8	5676.6	5752.0	5691.7	5767.1
10°	4093.5	4168.9	4312.1	4395.0	4545.8	4462.9	4221.6	4131.2	4085.9	4078.4	4153.8
12.5°	3271.8	3090.8	3075.8	3105.9	3181.3	3083.3	2962.7	2857.1	2909.9	3015.5	3098.4
15°	2533.0	2382.2	2186.2	2156.1	2171.1	2125.9	1997.7	1862.0	1899.7	2005.3	2065.6
17.5°	1945.0	1771.6	1635.9	1545.4	1515.3	1357.0	1168.5	1055.4	1025.3	1017.7	1070.5
20°	1311.7	1281.6	1259.0	1145.9	1145.9	919.7	761.4	678.5	678.5	693.6	701.1
22.5°	980.0	942.3	949.9	927.3	866.9	686.0	603.1	580.5	580.5	595.6	595.6
25°	851.9	799.1	784.0	776.5	716.2	588.0	527.7	505.1	505.1	520.2	520.2
27.5°	723.7	708.6	686.0	655.9	603.1	505.1	467.4	444.8	452.3	459.9	452.3
30°	663.4	625.7	595.6	595.6	535.2	452.3	422.2	407.1	392.0	407.1	414.6
32.5°	588.0	565.4	550.3	527.7	459.9	399.5	369.4	354.3	346.8	346.8	354.3
35°	505.1	505.1	490.0	459.9	399.5	361.9	324.2	309.1	301.5	309.1	309.1
37.5°	452.3	429.7	437.2	407.1	354.3	316.6	278.9	263.9	263.9	256.3	263.9
40°	422.2	384.5	361.9	346.8	316.6	271.4	241.2	226.2	218.6	218.6	218.6
42.5°	376.9	346.8	301.5	294.0	286.5	233.7	196.0	188.5	180.9	173.4	173.4
45°	354.3	309.1	271.4	233.7	233.7	196.0	165.9	150.8	143.2	135.7	143.2
47.5°	324.2	278.9	233.7	196.0	188.5	158.3	128.2	113.1	105.5	105.5	105.5
50°	309.1	248.8	203.5	165.9	143.2	128.2	98.0	82.9	75.4	75.4	75.4
52.5°	286.5	233.7	180.9	143.2	113.1	98.0	75.4	60.3	52.8	52.8	52.8
55°	256.3	211.1	158.3	120.6	98.0	75.4	52.8	37.7	30.2	30.2	30.2
57.5°	241.2	188.5	135.7	105.5	75.4	52.8	30.2	22.6	22.6	15.1	22.6
60°	218.6	165.9	113.1	82.9	60.3	37.7	22.6	7.5	7.5	7.5	7.5
62.5°	188.5	143.2	98.0	67.8	45.2	22.6	7.5	0.0	0.0	0.0	0.0
65°	158.3	113.1	75.4	52.8	30.2	7.5	0.0	0.0	0.0	0.0	0.0
67.5°	135.7	98.0	60.3	37.7	22.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	120.6	82.9	45.2	30.2	7.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	98.0	67.8	37.7	15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	82.9	52.8	22.6	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	67.8	37.7	15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	52.8	30.2	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	45.2	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.2	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.6	7.5	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: P599625
 CATALOG NUMBER: IFLD-L-SA7D-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4	10614.4
2.5°	9574.1	9528.8	9755.0	10124.4	10312.9	10682.3	10772.7	11006.4	10946.1	11029.0
5°	7923.1	8013.6	8345.3	8888.1	9084.1	9619.3	10124.4	10629.5	10953.6	11112.0
7.5°	5880.1	6181.7	6588.8	7086.3	7591.4	8292.5	9151.9	9739.9	10056.5	10395.8
10°	4380.0	4704.1	5171.5	5661.5	6483.2	7267.3	8126.7	8857.9	9129.3	9445.9
12.5°	3445.2	3950.2	4493.0	5020.7	5510.7	6257.1	7320.0	8383.0	8677.0	8918.2
15°	2397.3	3015.5	3791.9	4478.0	5164.0	5812.3	6912.9	8202.0	8601.6	9008.7
17.5°	1326.8	1816.8	2706.4	3671.3	4681.5	5676.6	7048.6	8533.7	9136.8	9423.3
20°	768.9	964.9	1598.2	2744.1	4078.4	5382.6	7116.5	9159.4	9958.5	10101.8
22.5°	633.2	701.1	904.6	1718.8	3339.6	5194.1	7463.3	10033.9	10848.1	11187.3
25°	542.8	595.6	701.1	1032.8	2525.4	4794.6	7681.9	11127.0	11880.9	12250.3
27.5°	482.5	535.2	618.2	761.4	1718.8	4244.3	8043.7	12114.6	12868.5	13373.5
30°	422.2	467.4	550.3	648.3	1191.1	3626.1	8352.8	12838.3	13901.3	14059.6
32.5°	376.9	414.6	474.9	557.9	882.0	2751.6	8601.6	13584.6	14481.7	14828.5
35°	324.2	369.4	407.1	474.9	670.9	2073.1	8450.8	14165.1	15333.6	15748.2
37.5°	286.5	316.6	354.3	399.5	565.4	1620.8	8141.7	14858.7	16064.8	16449.3
40°	241.2	263.9	309.1	354.3	512.6	1251.4	7787.4	15695.5	17090.1	17768.6
42.5°	203.5	226.2	256.3	331.7	422.2	927.3	7071.2	16343.8	17919.4	18492.3
45°	158.3	188.5	233.7	331.7	339.2	686.0	6332.5	16826.2	18386.7	18673.2
47.5°	120.6	150.8	226.2	286.5	271.4	474.9	5458.0	17376.6	18869.2	19133.1
50°	90.5	120.6	256.3	248.8	226.2	361.9	4907.7	17761.0	18899.4	19042.6
52.5°	60.3	90.5	211.1	188.5	188.5	316.6	4756.9	17746.0	18974.8	18665.7
55°	45.2	67.8	120.6	135.7	165.9	278.9	4621.2	18311.4	18997.4	19216.0
57.5°	30.2	52.8	82.9	105.5	143.2	241.2	4342.3	18989.8	19698.5	19811.5
60°	15.1	37.7	60.3	82.9	120.6	211.1	3950.2	19487.4	20550.3	20671.0
62.5°	7.5	22.6	45.2	67.8	98.0	165.9	3543.2	18695.8	20180.9	20392.0
65°	0.0	15.1	30.2	45.2	60.3	120.6	2879.8	16879.0	18718.4	19494.9
67.5°	0.0	0.0	15.1	30.2	37.7	90.5	2171.1	15356.2	17369.0	18424.4
70°	0.0	0.0	7.5	7.5	22.6	67.8	1387.1	12717.7	15507.0	16087.5
72.5°	0.0	0.0	0.0	0.0	7.5	45.2	806.6	9445.9	12152.3	13230.3
75°	0.0	0.0	0.0	0.0	0.0	37.7	407.1	6076.1	8458.4	9905.8
77.5°	0.0	0.0	0.0	0.0	0.0	30.2	218.6	3920.1	6234.5	7448.2
80°	0.0	0.0	0.0	0.0	0.0	7.5	128.2	2276.7	3987.9	4832.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	52.8	1115.7	2382.2	2789.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	15.1	595.6	1191.1	1568.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6	82.9	158.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)