

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: P598932

Luminaire Tested: **IFLD-L-SA8B-730-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598932
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8B-730-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (128) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

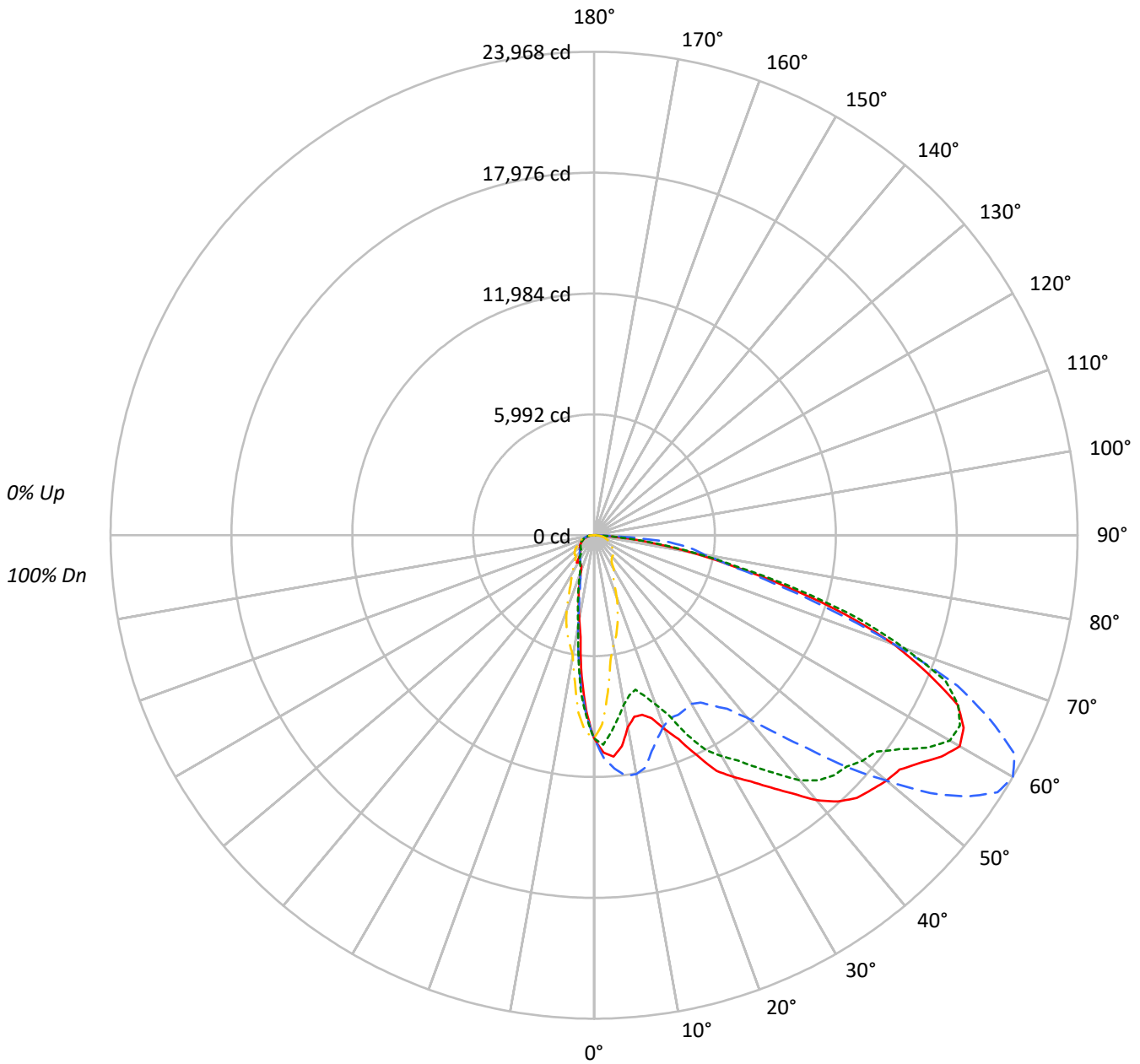
Lumens per Lamp: N/A
 Luminaire Lumens: 31523.6 lumens
 Efficiency: N/A
 Efficacy: 98.5 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 320
 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	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	80	80	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	62	62	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	50	50	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	40	40	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	34	34	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	29	29	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	25	25	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	22	22	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	19	19	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	54188	54188	54188	54188
5°	59532	52884	37925	41401
10°	52731	46541	23003	24684
15°	51346	44178	16284	16908
20°	58547	51098	10652	11773
25°	71332	64772	9301	9633
30°	85948	78561	9646	8951
35°	100238	92244	7993	7534
40°	120450	111411	7467	7073
45°	140175	128042	7557	7024
50°	158417	145538	7727	7259
55°	184749	173465	8004	7611
60°	225332	219160	7977	7977
65°	253234	253591	8192	8548
70°	248876	257677	8582	8803
75°	205296	218962	9014	9597
80°	148226	155593	9967	10401
85°	82036	88082	11226	13814

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.2	2.5
10°-20°	1651.4	5.2
20°-30°	2416.3	7.7
30°-40°	3404.4	10.8
40°-50°	4678.6	14.8
50°-60°	6376.4	20.2
60°-70°	6978.7	22.1
70°-80°	4029.1	12.8
80°-90°	1206.5	3.8
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°	4849.9	15.4
0°-40°	8254.3	26.2
0°-60°	19309.3	61.3
0°-90°	31523.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31523.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10068	10068	10068	10068	10068	
5°	11019	9789	7020	7663	11019	1001
15°	9215	7929	2923	3034	9215	2692
25°	12012	10908	1566	1622	12012	5625
35°	15256	14040	1217	1147	15256	9674
45°	18417	16823	993	923	18417	14155
55°	19689	18487	853	811	19689	17766
65°	19885	19913	643	671	19885	19032
75°	9873	10530	434	462	9873	10605
85°	1328	1426	182	224	1328	1843
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4
2.5°	10781.6	10739.7	10781.6	10935.5	10977.4	11047.3	11047.3	10949.4	10767.6	10683.7	10543.9
5°	11019.4	10949.4	11299.0	11620.7	11872.4	11844.4	11606.7	11410.9	11047.3	10502.0	9984.5
7.5°	10543.9	10613.8	10865.5	11704.6	12291.9	12403.8	12026.2	11634.7	10851.5	10096.4	9397.2
10°	9648.9	9746.8	10292.2	11159.2	12082.1	12263.9	12026.2	11550.7	10613.8	9676.9	8865.8
12.5°	9215.4	9439.2	9760.8	10809.6	11466.8	11900.3	11788.5	11480.8	10432.0	9327.3	8544.2
15°	9215.4	9271.4	9746.8	10627.8	11005.4	11019.4	11061.3	11117.2	10488.0	9481.1	8432.3
17.5°	9509.1	9662.9	10068.4	10613.8	10683.7	10515.9	10515.9	10753.7	10599.8	9914.6	8837.9
20°	10222.3	10166.3	10697.7	10921.5	10543.9	10124.4	10082.4	10488.0	10725.7	10376.1	9579.0
22.5°	10935.5	11187.2	11620.7	11117.2	10418.0	9858.7	9802.8	10306.2	11103.3	11173.2	10432.0
25°	12012.2	12263.9	12487.7	11872.4	10404.1	9788.8	9830.7	10222.3	11564.7	12305.9	11858.4
27.5°	13172.9	13326.7	13648.3	12697.4	10739.7	9704.9	9746.8	10334.1	11998.2	13047.0	12977.1
30°	13830.1	13997.9	13928.0	12851.3	10963.4	9760.8	9648.9	10488.0	11760.5	13047.0	13704.3
32.5°	14473.4	14375.5	14333.6	13103.0	11243.1	10110.4	9830.7	10809.6	11900.3	13256.8	14641.2
35°	15256.5	15116.7	15004.8	13592.4	11704.6	10446.0	10320.2	11229.1	12208.0	13690.3	15396.3
37.5°	16123.5	16123.5	15578.1	13956.0	12249.9	10991.4	10851.5	11830.4	12697.4	13956.0	16431.1
40°	17144.3	17186.3	16221.4	14445.4	12865.2	11858.4	11816.4	12613.5	13172.9	14347.5	17424.0
42.5°	17899.5	17927.4	16780.7	14627.2	13578.4	13061.0	13242.8	13872.1	13718.3	14697.1	17493.9
45°	18416.9	18277.0	17172.3	15144.6	14361.5	14864.9	14920.9	15102.7	14431.4	14906.9	17773.6
47.5°	18668.6	18640.6	17340.1	15745.9	16011.6	16696.8	17018.5	16766.8	15088.7	14683.2	17773.6
50°	18920.3	18682.6	17493.9	16571.0	17619.8	19004.2	18934.3	18472.8	15997.6	14962.8	17507.9
52.5°	19088.1	18878.3	17801.6	17312.1	19158.0	20724.2	21003.9	20150.9	17060.4	15480.2	17633.8
55°	19689.4	19521.6	18724.5	18319.0	20934.0	22542.1	22584.1	21395.5	18179.1	16333.3	18458.8
57.5°	20416.6	20514.5	19997.1	19745.3	22290.4	23870.6	23716.8	22318.4	19130.1	17368.1	19409.7
60°	20934.0	21087.8	20961.9	20989.9	22961.7	24318.1	23968.5	22891.7	19829.2	18151.2	20570.4
62.5°	20654.3	20961.9	21479.4	21367.5	22989.6	23996.5	23507.0	22136.6	19913.2	19172.0	21451.4
65°	19885.2	19913.2	20920.0	21535.3	21731.1	22332.4	21689.1	20556.4	19046.1	19801.3	21325.5
67.5°	17913.4	18137.2	19046.1	20248.8	19423.7	19563.6	19507.6	17871.5	17731.7	19367.8	20360.6
70°	15815.9	15969.7	16962.5	18374.9	16403.2	15745.9	15871.8	14655.2	15228.5	18025.3	18416.9
72.5°	13075.0	13172.9	14305.6	15550.2	13158.9	11984.2	12277.9	11285.1	12096.1	15773.9	15536.2
75°	9872.7	10054.5	10935.5	12403.8	9690.9	8935.7	9229.4	8823.9	9579.0	12991.1	12054.2
77.5°	7019.9	6880.1	7970.9	9704.9	7285.6	6838.2	6866.1	6936.0	7747.1	10949.4	8656.1
80°	4782.5	4824.5	5803.3	7117.8	5719.4	5649.5	5579.6	6139.0	6502.5	8670.1	6292.8
82.5°	2838.7	2838.7	3915.5	5062.2	4516.8	5090.2	4768.5	5272.0	5090.2	6376.7	4125.3
85°	1328.5	1328.5	2013.7	3649.8	3496.0	4195.2	3565.9	3985.4	3761.7	4446.9	1859.9
87.5°	223.7	195.8	405.5	1789.9	1440.3	1636.1	643.3	2125.6	2363.3	3104.4	461.5
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°	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4
2.5°	10390.1	10292.2	10096.4	9844.7	9634.9	9369.3	9285.3	9103.6	8851.8	8823.9	8712.0
5°	9788.8	9453.2	9033.6	8516.2	8166.6	7803.0	7495.4	7313.6	7103.8	7075.9	7019.9
7.5°	9131.5	8712.0	8012.8	7397.5	6796.2	6222.9	5943.2	5593.6	5355.9	5174.1	5090.2
10°	8516.2	8124.7	7257.7	6418.6	5887.2	5509.7	5174.1	4810.5	4516.8	4293.1	4209.2
12.5°	8110.7	7649.2	6712.3	5915.2	5523.7	5090.2	4712.6	4321.0	3943.5	3649.8	3496.0
15°	7928.9	7495.4	6544.5	5663.5	5090.2	4488.8	4055.3	3663.8	3202.3	2992.6	2922.6
17.5°	8362.4	7719.1	6488.6	5369.8	4558.8	3873.6	3342.2	2922.6	2587.0	2377.3	2293.4
20°	8921.8	8124.7	6586.4	5020.2	4055.3	3286.2	2698.9	2251.4	2027.7	1873.9	1859.9
22.5°	9634.9	8726.0	6740.3	4768.5	3496.0	2643.0	2111.6	1845.9	1692.1	1678.1	1650.1
25°	10907.5	9816.7	6992.0	4432.9	3048.5	2181.5	1803.9	1650.1	1580.2	1538.2	1566.2
27.5°	11998.2	10529.9	7173.8	4223.2	2866.7	2055.6	1748.0	1580.2	1510.3	1496.3	1510.3
30°	12641.5	11187.2	7117.8	3831.6	2503.1	1957.8	1859.9	1803.9	1664.1	1552.2	1552.2
32.5°	13228.8	11606.7	7103.8	3482.0	2139.5	1636.1	1552.2	1510.3	1594.2	1650.1	1608.2
35°	14039.9	12263.9	7061.9	3286.2	1985.7	1510.3	1370.4	1258.6	1202.6	1174.7	1216.6
37.5°	14906.9	12711.4	6950.0	3258.3	1901.8	1440.3	1328.5	1216.6	1160.7	1132.7	1118.7
40°	15857.8	13186.9	6824.2	3118.4	1859.9	1398.4	1286.5	1188.6	1118.7	1076.8	1062.8
42.5°	16473.1	13564.4	6698.3	3048.5	1776.0	1370.4	1244.6	1160.7	1090.7	1034.8	1034.8
45°	16822.7	14011.9	6572.5	2978.6	1678.1	1384.4	1244.6	1132.7	1048.8	1020.8	992.9
47.5°	16976.5	14347.5	6530.5	2866.7	1594.2	1328.5	1216.6	1104.7	1020.8	964.9	950.9
50°	17382.1	15060.7	6684.3	2782.8	1496.3	1272.5	1286.5	1090.7	1006.8	936.9	922.9
52.5°	17619.8	15634.1	7019.9	2657.0	1426.4	1202.6	1258.6	1062.8	964.9	895.0	895.0
55°	18486.8	16585.0	7383.5	2559.1	1342.5	1104.7	1160.7	1006.8	895.0	853.0	853.0
57.5°	19591.5	17591.8	7691.2	2517.1	1286.5	1034.8	1034.8	978.9	853.0	797.1	783.1
60°	20360.6	18416.9	7873.0	2489.1	1230.6	964.9	922.9	978.9	811.1	755.1	741.1
62.5°	20444.5	17941.4	7691.2	2475.2	1216.6	895.0	839.0	936.9	769.1	713.2	685.2
65°	19913.2	16976.5	7187.8	2419.2	1202.6	825.1	783.1	811.1	713.2	671.2	643.3
67.5°	18850.4	15410.3	6460.6	2391.3	1188.6	769.1	713.2	699.2	657.2	615.3	587.3
70°	16375.2	13368.7	5607.6	2265.4	1160.7	727.2	643.3	629.3	587.3	559.4	545.4
72.5°	13746.2	10935.5	4628.7	2097.6	1104.7	657.2	587.3	559.4	545.4	503.4	489.4
75°	10529.9	8418.3	3705.7	1859.9	964.9	587.3	517.4	489.4	475.5	447.5	433.5
77.5°	7397.5	6264.8	2740.9	1510.3	811.1	531.4	461.5	433.5	419.5	377.6	377.6
80°	5020.2	4391.0	1859.9	1048.8	629.3	433.5	405.5	377.6	349.6	321.6	321.6
82.5°	3118.4	3076.5	1342.5	685.2	461.5	349.6	321.6	321.6	279.7	251.7	251.7
85°	1426.4	1887.8	936.9	475.5	349.6	265.7	265.7	251.7	223.7	181.8	181.8
87.5°	447.5	629.3	489.4	209.8	195.8	153.8	153.8	139.8	139.8	111.9	111.9
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°	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4
2.5°	8823.9	8809.9	8809.9	8754.0	8893.8	8893.8	8977.7	8907.8	8949.7	8963.7	9075.6
5°	7006.0	7117.8	7201.7	7369.5	7467.4	7509.4	7509.4	7621.3	7579.3	7663.2	7831.0
7.5°	5132.1	5272.0	5523.7	5733.4	5901.2	5957.2	5943.2	5971.1	6013.1	5915.2	5943.2
10°	4153.2	4055.3	4139.3	4335.0	4488.8	4670.6	4530.8	4516.8	4558.8	4516.8	4600.7
12.5°	3468.0	3356.1	3286.2	3286.2	3398.1	3482.0	3440.1	3510.0	3663.8	3705.7	3803.6
15°	2810.8	2712.9	2657.0	2587.0	2698.9	2726.9	2768.8	2866.7	2978.6	3034.5	3146.4
17.5°	2251.4	2251.4	2251.4	2195.5	2237.4	2279.4	2293.4	2419.2	2433.2	2489.1	2531.1
20°	1845.9	1887.8	1957.8	1985.7	2027.7	2027.7	1999.7	2069.6	2013.7	2055.6	2083.6
22.5°	1664.1	1720.0	1748.0	1762.0	1817.9	1831.9	1762.0	1776.0	1789.9	1748.0	1762.0
25°	1566.2	1594.2	1566.2	1580.2	1594.2	1566.2	1580.2	1608.2	1594.2	1622.1	1608.2
27.5°	1524.3	1496.3	1482.3	1468.3	1468.3	1440.3	1454.3	1454.3	1482.3	1496.3	1496.3
30°	1524.3	1482.3	1426.4	1384.4	1384.4	1342.5	1370.4	1398.4	1412.4	1440.3	1440.3
32.5°	1566.2	1482.3	1384.4	1342.5	1300.5	1272.5	1300.5	1342.5	1398.4	1412.4	1426.4
35°	1244.6	1286.5	1272.5	1216.6	1202.6	1202.6	1188.6	1188.6	1146.7	1146.7	1132.7
37.5°	1118.7	1104.7	1132.7	1146.7	1160.7	1118.7	1118.7	1062.8	1048.8	1062.8	1062.8
40°	1048.8	1048.8	1048.8	1090.7	1104.7	1076.8	1034.8	1006.8	1006.8	1006.8	1020.8
42.5°	1020.8	992.9	978.9	1006.8	1048.8	1020.8	978.9	964.9	964.9	978.9	978.9
45°	978.9	964.9	950.9	936.9	992.9	950.9	936.9	922.9	922.9	922.9	936.9
47.5°	936.9	922.9	895.0	895.0	909.0	895.0	881.0	881.0	881.0	909.0	909.0
50°	909.0	895.0	867.0	867.0	867.0	867.0	853.0	853.0	853.0	867.0	881.0
52.5°	867.0	853.0	839.0	825.1	825.1	825.1	825.1	825.1	825.1	839.0	853.0
55°	825.1	811.1	797.1	797.1	811.1	811.1	797.1	811.1	797.1	811.1	825.1
57.5°	783.1	769.1	755.1	769.1	783.1	769.1	769.1	769.1	769.1	769.1	783.1
60°	727.2	727.2	727.2	727.2	755.1	755.1	755.1	755.1	727.2	741.1	755.1
62.5°	699.2	685.2	685.2	699.2	713.2	713.2	727.2	713.2	699.2	713.2	713.2
65°	643.3	643.3	643.3	657.2	657.2	671.2	671.2	671.2	657.2	671.2	671.2
67.5°	601.3	601.3	601.3	601.3	629.3	629.3	629.3	629.3	615.3	615.3	629.3
70°	531.4	545.4	531.4	559.4	587.3	573.3	587.3	587.3	573.3	559.4	587.3
72.5°	489.4	489.4	489.4	489.4	531.4	531.4	531.4	545.4	531.4	517.4	531.4
75°	433.5	433.5	433.5	447.5	475.5	475.5	475.5	475.5	475.5	461.5	461.5
77.5°	377.6	391.6	377.6	391.6	419.5	405.5	419.5	433.5	419.5	405.5	405.5
80°	321.6	321.6	321.6	335.6	349.6	349.6	349.6	363.6	349.6	335.6	335.6
82.5°	251.7	251.7	265.7	265.7	279.7	279.7	279.7	293.7	279.7	265.7	265.7
85°	195.8	195.8	195.8	209.8	209.8	223.7	223.7	237.7	237.7	223.7	223.7
87.5°	125.9	111.9	125.9	125.9	139.8	139.8	125.9	111.9	125.9	111.9	97.9
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: P598932
 CATALOG NUMBER: IFLD-L-SA8B-730-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4	10068.4
2.5°	9187.5	9439.2	9621.0	9746.8	9928.6	10278.2	10418.0	10669.8	10739.7	10781.6
5°	7900.9	8166.6	8558.2	8837.9	9159.5	9816.7	10320.2	10697.7	10865.5	11019.4
7.5°	6194.9	6544.5	6950.0	7313.6	7845.0	8656.1	9313.3	10096.4	10390.1	10543.9
10°	4838.4	5160.1	5607.6	6055.1	6796.2	7481.4	8418.3	9131.5	9537.1	9648.9
12.5°	4083.3	4460.9	4992.3	5537.6	5999.1	6782.2	7733.1	8767.9	9145.5	9215.4
15°	3468.0	3985.4	4530.8	5090.2	5621.6	6306.8	7327.6	8586.1	9145.5	9215.4
17.5°	2866.7	3328.2	3971.4	4572.8	5188.0	6125.0	7397.5	8740.0	9299.3	9509.1
20°	2279.4	2726.9	3230.3	3985.4	4824.5	5817.3	7551.3	9257.4	9998.5	10222.3
22.5°	1887.8	2083.6	2573.0	3300.2	4293.1	5607.6	7705.2	10068.4	10851.5	10935.5
25°	1650.1	1789.9	2097.6	2782.8	3873.6	5467.7	8068.7	11005.4	12012.2	12012.2
27.5°	1538.2	1594.2	1803.9	2419.2	3579.9	5341.9	8432.3	12040.2	12977.1	13172.9
30°	1510.3	1650.1	1762.0	2153.5	3258.3	4992.3	8767.9	12851.3	13816.1	13830.1
32.5°	1482.3	1454.3	1538.2	1873.9	2866.7	4628.7	9047.6	13676.3	14431.4	14473.4
35°	1160.7	1216.6	1356.4	1650.1	2573.0	4363.0	9187.5	14123.8	15214.5	15256.5
37.5°	1090.7	1160.7	1272.5	1524.3	2377.3	4139.3	9229.4	14990.8	16039.6	16123.5
40°	1062.8	1118.7	1202.6	1412.4	2223.4	3859.6	9313.3	15885.8	17256.2	17144.3
42.5°	1006.8	1076.8	1160.7	1356.4	2097.6	3649.8	9327.3	16375.2	17899.5	17899.5
45°	992.9	1034.8	1132.7	1356.4	1957.8	3468.0	9103.6	16864.7	18640.6	18416.9
47.5°	936.9	1020.8	1104.7	1314.5	1789.9	3286.2	8837.9	17116.4	18738.5	18668.6
50°	922.9	1006.8	1146.7	1244.6	1692.1	3202.3	8781.9	17745.6	18934.3	18920.3
52.5°	895.0	978.9	1188.6	1188.6	1566.2	3090.5	9047.6	18025.3	18976.2	19088.1
55°	853.0	978.9	1104.7	1090.7	1454.3	2950.6	9341.3	18752.5	19717.4	19689.4
57.5°	825.1	950.9	1048.8	992.9	1328.5	2852.7	9774.8	19451.7	20612.4	20416.6
60°	783.1	950.9	936.9	922.9	1230.6	2768.8	10138.4	19591.5	20808.1	20934.0
62.5°	755.1	992.9	825.1	853.0	1146.7	2726.9	9984.5	18542.7	20542.4	20654.3
65°	727.2	853.0	755.1	783.1	1118.7	2643.0	9383.2	17284.2	19395.7	19885.2
67.5°	671.2	699.2	699.2	727.2	1090.7	2447.2	8152.6	15018.8	17647.8	17913.4
70°	615.3	629.3	629.3	671.2	1062.8	2223.4	6726.3	12991.1	15312.4	15815.9
72.5°	559.4	559.4	559.4	615.3	978.9	2041.7	5537.6	9984.5	12725.4	13075.0
75°	489.4	489.4	489.4	545.4	881.0	1859.9	4363.0	7425.5	9369.3	9872.7
77.5°	433.5	433.5	419.5	489.4	769.1	1510.3	3146.4	5244.0	6600.4	7019.9
80°	363.6	349.6	349.6	391.6	601.3	1090.7	2027.7	3705.7	4600.7	4782.5
82.5°	293.7	279.7	265.7	293.7	433.5	685.2	1258.6	2587.0	2950.6	2838.7
85°	279.7	293.7	237.7	223.7	307.6	447.5	797.1	1594.2	1328.5	1328.5
87.5°	111.9	97.9	97.9	83.9	153.8	167.8	349.6	293.7	223.7	223.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)