

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: P599094

Luminaire Tested: **IFLD-S-SA6E-830-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599094
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6E-830-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (96) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

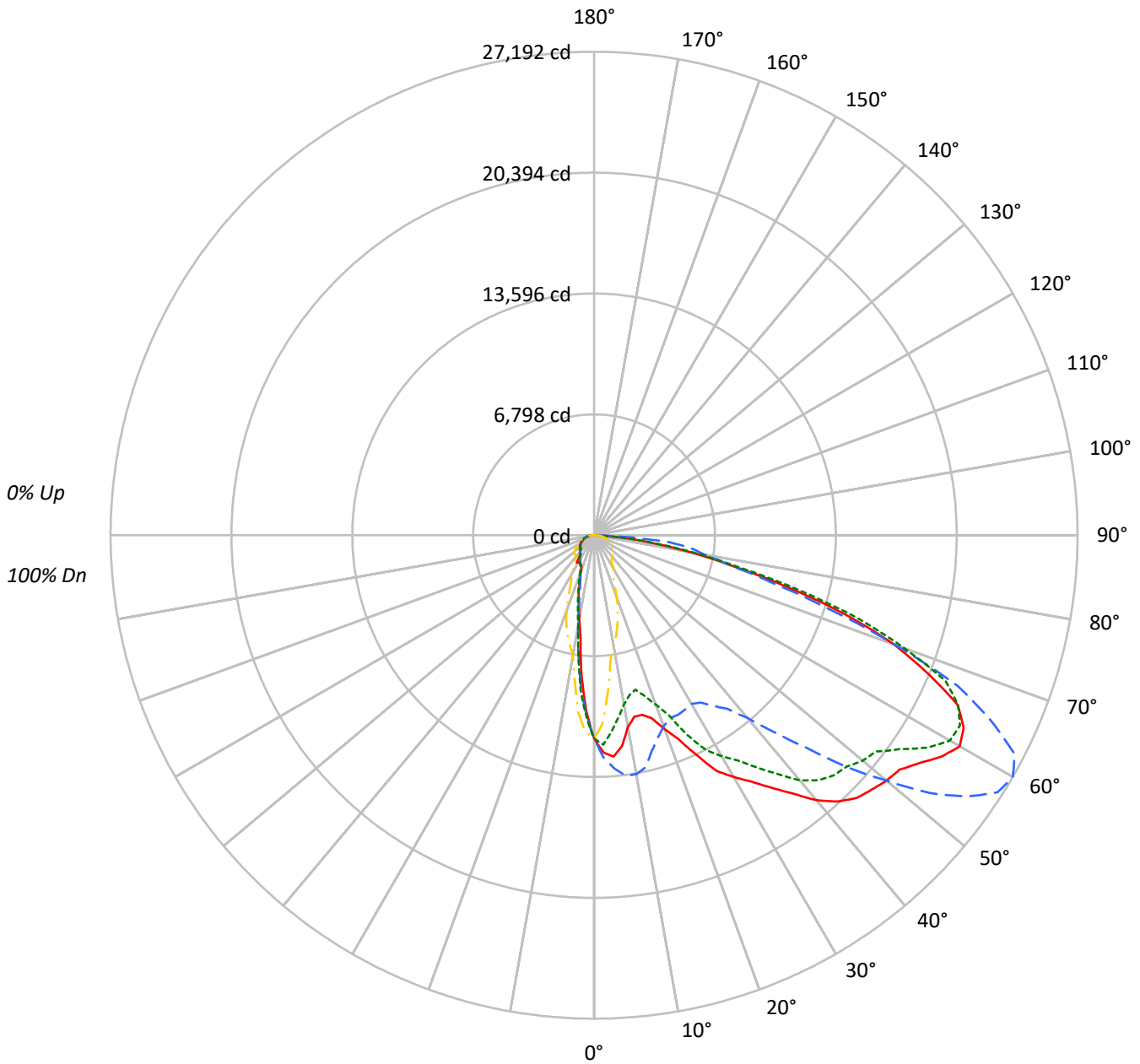
Lumens per Lamp: N/A
 Luminaire Lumens: 35763.3 lumens
 Efficiency: N/A
 Efficacy: 77.0 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 464.2
 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

TEST NUMBER: P599094
CATALOG NUMBER: IFLD-S-SA6E-830-U-SLL

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°

TEST NUMBER: P599094
 CATALOG NUMBER: IFLD-S-SA6E-830-U-SLL

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	81968	81968	81968	81968
5°	90052	79995	57368	62625
10°	79765	70401	34796	37339
15°	77670	66827	24633	25575
20°	88561	77294	16113	17809
25°	107902	97979	14069	14571
30°	130010	118836	14592	13540
35°	151625	139534	12091	11396
40°	182200	168527	11294	10701
45°	212038	193684	11431	10626
50°	239631	220149	11690	10981
55°	279462	262393	12107	11513
60°	340850	331516	12067	12067
65°	383056	383596	12392	12930
70°	376463	389778	12981	13315
75°	310542	331214	13636	14514
80°	224215	235360	15079	15736
85°	124087	133234	16977	20897

TEST NUMBER: P599094
 CATALOG NUMBER: IFLD-S-SA6E-830-U-SLL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	887.4	2.5
10°-20°	1873.6	5.2
20°-30°	2741.2	7.7
30°-40°	3862.2	10.8
40°-50°	5307.9	14.8
50°-60°	7234.0	20.2
60°-70°	7917.3	22.1
70°-80°	4571.0	12.8
80°-90°	1368.8	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°	5502.2	15.4
0°-40°	9364.4	26.2
0°-60°	21906.3	61.3
0°-90°	35763.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35763.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11423	11423	11423	11423	11423	
5°	12501	11105	7964	8694	12501	1135
15°	10455	8995	3316	3443	10455	3055
25°	13628	12374	1777	1840	13628	6381
35°	17308	15928	1380	1301	17308	10975
45°	20894	19085	1126	1047	20894	16059
55°	22338	20973	968	920	22338	20155
65°	22560	22591	730	762	22560	21592
75°	11200	11946	492	524	11200	12032
85°	1507	1618	206	254	1507	2091
90°	0	0	0	0	0	

TEST NUMBER: P599094
 CATALOG NUMBER: IFLD-S-SA6E-830-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6
2.5°	12231.7	12184.1	12231.7	12406.2	12453.8	12533.1	12533.1	12422.1	12215.8	12120.7	11962.0
5°	12501.4	12422.1	12818.7	13183.6	13469.2	13437.4	13167.7	12945.6	12533.1	11914.4	11327.4
7.5°	11962.0	12041.3	12326.9	13278.8	13945.1	14072.0	13643.7	13199.5	12311.0	11454.3	10661.1
10°	10946.7	11057.7	11676.4	12660.1	13707.1	13913.4	13643.7	13104.3	12041.3	10978.4	10058.2
12.5°	10454.9	10708.7	11073.6	12263.4	13009.1	13500.9	13374.0	13024.9	11835.1	10581.8	9693.4
15°	10454.9	10518.3	11057.7	12057.2	12485.5	12501.4	12549.0	12612.5	11898.5	10756.3	9566.4
17.5°	10788.0	10962.5	11422.6	12041.3	12120.7	11930.3	11930.3	12200.0	12025.5	11248.1	10026.5
20°	11597.1	11533.7	12136.5	12390.4	11962.0	11486.1	11438.5	11898.5	12168.2	11771.6	10867.3
22.5°	12406.2	12691.8	13183.6	12612.5	11819.2	11184.6	11121.2	11692.3	12596.6	12675.9	11835.1
25°	13627.8	13913.4	14167.2	13469.2	11803.4	11105.3	11152.9	11597.1	13120.1	13961.0	13453.3
27.5°	14944.6	15119.1	15484.0	14405.2	12184.1	11010.1	11057.7	11724.0	13611.9	14801.8	14722.5
30°	15690.2	15880.6	15801.3	14579.7	12438.0	11073.6	10946.7	11898.5	13342.2	14801.8	15547.4
32.5°	16420.0	16308.9	16261.4	14865.3	12755.2	11470.2	11152.9	12263.4	13500.9	15039.8	16610.4
35°	17308.4	17149.8	17022.9	15420.5	13278.8	11851.0	11708.2	12739.4	13849.9	15531.6	17467.1
37.5°	18292.0	18292.0	17673.3	15833.0	13897.5	12469.7	12311.0	13421.6	14405.2	15833.0	18641.1
40°	19450.2	19497.8	18403.1	16388.3	14595.6	13453.3	13405.7	14310.0	14944.6	16277.2	19767.5
42.5°	20306.9	20338.6	19037.7	16594.5	15404.7	14817.7	15023.9	15737.8	15563.3	16673.8	19846.8
45°	20893.9	20735.2	19481.9	17181.5	16293.1	16864.2	16927.7	17133.9	16372.4	16911.8	20164.1
47.5°	21179.4	21147.7	19672.3	17863.7	18165.1	18942.5	19307.4	19021.8	17118.0	16658.0	20164.1
50°	21465.0	21195.3	19846.8	18799.7	19989.6	21560.2	21480.8	20957.3	18149.3	16975.3	19862.6
52.5°	21655.4	21417.4	20195.8	19640.5	21734.7	23511.5	23828.8	22861.1	19355.0	17562.3	20005.4
55°	22337.5	22147.2	21242.9	20782.8	23749.5	25573.9	25621.5	24273.0	20624.2	18530.0	20941.4
57.5°	23162.5	23273.6	22686.6	22401.0	25288.4	27081.1	26906.6	25320.1	21703.0	19704.0	22020.2
60°	23749.5	23924.0	23781.2	23813.0	26049.9	27588.8	27192.2	25970.6	22496.2	20592.4	23337.0
62.5°	23432.2	23781.2	24368.2	24241.3	26081.6	27223.9	26668.6	25113.9	22591.4	21750.5	24336.5
65°	22559.6	22591.4	23733.6	24431.7	24653.8	25336.0	24606.2	23321.2	21607.8	22464.5	24193.7
67.5°	20322.7	20576.6	21607.8	22972.1	22036.1	22194.8	22131.3	20275.1	20116.5	21972.7	23099.1
70°	17943.0	18117.5	19243.9	20846.3	18609.3	17863.7	18006.5	16626.2	17276.7	20449.6	20893.9
72.5°	14833.5	14944.6	16229.6	17641.6	14928.7	13596.1	13929.2	12802.8	13723.0	17895.4	17625.7
75°	11200.5	11406.7	12406.2	14072.0	10994.3	10137.6	10470.7	10010.6	10867.3	14738.3	13675.4
77.5°	7964.1	7805.4	9042.9	11010.1	8265.5	7757.9	7789.6	7868.9	8789.1	12422.1	9820.3
80°	5425.7	5473.3	6583.9	8075.1	6488.7	6409.4	6330.0	6964.6	7377.1	9836.1	7139.1
82.5°	3220.5	3220.5	4442.1	5743.0	5124.3	5774.8	5409.9	5981.0	5774.8	7234.3	4680.1
85°	1507.1	1507.1	2284.5	4140.7	3966.2	4759.4	4045.5	4521.4	4267.6	5045.0	2110.0
87.5°	253.8	222.1	460.1	2030.7	1634.1	1856.2	729.8	2411.4	2681.1	3522.0	523.5
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: P599094
 CATALOG NUMBER: IFLD-S-SA6E-830-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6
2.5°	11787.5	11676.4	11454.3	11168.8	10930.8	10629.4	10534.2	10327.9	10042.4	10010.6	9883.7
5°	11105.3	10724.6	10248.6	9661.6	9265.0	8852.5	8503.5	8297.3	8059.3	8027.6	7964.1
7.5°	10359.7	9883.7	9090.5	8392.4	7710.3	7059.8	6742.5	6345.9	6076.2	5870.0	5774.8
10°	9661.6	9217.4	8233.8	7281.9	6679.1	6250.7	5870.0	5457.5	5124.3	4870.5	4775.3
12.5°	9201.5	8678.0	7615.1	6710.8	6266.6	5774.8	5346.4	4902.2	4473.9	4140.7	3966.2
15°	8995.3	8503.5	7424.7	6425.2	5774.8	5092.6	4600.8	4156.6	3633.0	3395.1	3315.7
17.5°	9487.1	8757.3	7361.2	6092.1	5171.9	4394.5	3791.7	3315.7	2935.0	2697.0	2601.8
20°	10121.7	9217.4	7472.3	5695.4	4600.8	3728.2	3061.9	2554.2	2300.4	2125.9	2110.0
22.5°	10930.8	9899.6	7646.8	5409.9	3966.2	2998.4	2395.6	2094.1	1919.6	1903.8	1872.0
25°	12374.5	11137.0	7932.4	5029.1	3458.5	2474.9	2046.6	1872.0	1792.7	1745.1	1776.9
27.5°	13611.9	11946.1	8138.6	4791.1	3252.3	2332.1	1983.1	1792.7	1713.4	1697.5	1713.4
30°	14341.7	12691.8	8075.1	4346.9	2839.8	2221.1	2110.0	2046.6	1887.9	1761.0	1761.0
32.5°	15008.0	13167.7	8059.3	3950.3	2427.3	1856.2	1761.0	1713.4	1808.6	1872.0	1824.4
35°	15928.2	13913.4	8011.7	3728.2	2252.8	1713.4	1554.7	1427.8	1364.4	1332.6	1380.2
37.5°	16911.8	14421.0	7884.8	3696.5	2157.6	1634.1	1507.1	1380.2	1316.8	1285.0	1269.2
40°	17990.6	14960.4	7742.0	3537.8	2110.0	1586.5	1459.6	1348.5	1269.2	1221.6	1205.7
42.5°	18688.7	15388.8	7599.2	3458.5	2014.8	1554.7	1412.0	1316.8	1237.4	1174.0	1174.0
45°	19085.3	15896.5	7456.4	3379.2	1903.8	1570.6	1412.0	1285.0	1189.9	1158.1	1126.4
47.5°	19259.8	16277.2	7408.8	3252.3	1808.6	1507.1	1380.2	1253.3	1158.1	1094.7	1078.8
50°	19719.9	17086.3	7583.3	3157.1	1697.5	1443.7	1459.6	1237.4	1142.3	1062.9	1047.1
52.5°	19989.6	17736.8	7964.1	3014.3	1618.2	1364.4	1427.8	1205.7	1094.7	1015.3	1015.3
55°	20973.2	18815.6	8376.6	2903.2	1523.0	1253.3	1316.8	1142.3	1015.3	967.7	967.7
57.5°	22226.5	19957.8	8725.6	2855.7	1459.6	1174.0	1174.0	1110.5	967.7	904.3	888.4
60°	23099.1	20893.9	8931.8	2823.9	1396.1	1094.7	1047.1	1110.5	920.2	856.7	840.8
62.5°	23194.2	20354.5	8725.6	2808.1	1380.2	1015.3	951.9	1062.9	872.6	809.1	777.4
65°	22591.4	19259.8	8154.5	2744.6	1364.4	936.0	888.4	920.2	809.1	761.5	729.8
67.5°	21385.7	17482.9	7329.5	2712.9	1348.5	872.6	809.1	793.2	745.6	698.0	666.3
70°	18577.6	15166.7	6361.8	2570.1	1316.8	825.0	729.8	713.9	666.3	634.6	618.7
72.5°	15595.0	12406.2	5251.2	2379.7	1253.3	745.6	666.3	634.6	618.7	571.1	555.3
75°	11946.1	9550.6	4204.2	2110.0	1094.7	666.3	587.0	555.3	539.4	507.7	491.8
77.5°	8392.4	7107.4	3109.5	1713.4	920.2	602.9	523.5	491.8	475.9	428.3	428.3
80°	5695.4	4981.5	2110.0	1189.9	713.9	491.8	460.1	428.3	396.6	364.9	364.9
82.5°	3537.8	3490.2	1523.0	777.4	523.5	396.6	364.9	364.9	317.3	285.6	285.6
85°	1618.2	2141.7	1062.9	539.4	396.6	301.4	301.4	285.6	253.8	206.2	206.2
87.5°	507.7	713.9	555.3	238.0	222.1	174.5	174.5	158.6	158.6	126.9	126.9
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: P599094
 CATALOG NUMBER: IFLD-S-SA6E-830-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6
2.5°	10010.6	9994.8	9994.8	9931.3	10090.0	10090.0	10185.2	10105.8	10153.4	10169.3	10296.2
5°	7948.2	8075.1	8170.3	8360.7	8471.8	8519.4	8519.4	8646.3	8598.7	8693.9	8884.3
7.5°	5822.4	5981.0	6266.6	6504.5	6694.9	6758.4	6742.5	6774.2	6821.8	6710.8	6742.5
10°	4711.8	4600.8	4696.0	4918.1	5092.6	5298.8	5140.2	5124.3	5171.9	5124.3	5219.5
12.5°	3934.5	3807.5	3728.2	3728.2	3855.1	3950.3	3902.7	3982.0	4156.6	4204.2	4315.2
15°	3188.8	3077.8	3014.3	2935.0	3061.9	3093.6	3141.2	3252.3	3379.2	3442.6	3569.6
17.5°	2554.2	2554.2	2554.2	2490.8	2538.4	2586.0	2601.8	2744.6	2760.5	2823.9	2871.5
20°	2094.1	2141.7	2221.1	2252.8	2300.4	2300.4	2268.7	2348.0	2284.5	2332.1	2363.8
22.5°	1887.9	1951.4	1983.1	1999.0	2062.4	2078.3	1999.0	2014.8	2030.7	1983.1	1999.0
25°	1776.9	1808.6	1776.9	1792.7	1808.6	1776.9	1792.7	1824.4	1808.6	1840.3	1824.4
27.5°	1729.3	1697.5	1681.7	1665.8	1665.8	1634.1	1649.9	1649.9	1681.7	1697.5	1697.5
30°	1729.3	1681.7	1618.2	1570.6	1570.6	1523.0	1554.7	1586.5	1602.3	1634.1	1634.1
32.5°	1776.9	1681.7	1570.6	1523.0	1475.4	1443.7	1475.4	1523.0	1586.5	1602.3	1618.2
35°	1412.0	1459.6	1443.7	1380.2	1364.4	1364.4	1348.5	1348.5	1300.9	1300.9	1285.0
37.5°	1269.2	1253.3	1285.0	1300.9	1316.8	1269.2	1269.2	1205.7	1189.9	1205.7	1205.7
40°	1189.9	1189.9	1189.9	1237.4	1253.3	1221.6	1174.0	1142.3	1142.3	1142.3	1158.1
42.5°	1158.1	1126.4	1110.5	1142.3	1189.9	1158.1	1110.5	1094.7	1094.7	1110.5	1110.5
45°	1110.5	1094.7	1078.8	1062.9	1126.4	1078.8	1062.9	1047.1	1047.1	1047.1	1062.9
47.5°	1062.9	1047.1	1015.3	1015.3	1031.2	1015.3	999.5	999.5	999.5	1031.2	1031.2
50°	1031.2	1015.3	983.6	983.6	983.6	983.6	967.7	967.7	967.7	983.6	999.5
52.5°	983.6	967.7	951.9	936.0	936.0	936.0	936.0	936.0	936.0	951.9	967.7
55°	936.0	920.2	904.3	904.3	920.2	920.2	904.3	920.2	904.3	920.2	936.0
57.5°	888.4	872.6	856.7	872.6	888.4	872.6	872.6	872.6	872.6	872.6	888.4
60°	825.0	825.0	825.0	825.0	856.7	856.7	856.7	856.7	825.0	840.8	856.7
62.5°	793.2	777.4	777.4	793.2	809.1	809.1	825.0	809.1	793.2	809.1	809.1
65°	729.8	729.8	729.8	745.6	745.6	761.5	761.5	761.5	745.6	761.5	761.5
67.5°	682.2	682.2	682.2	682.2	713.9	713.9	713.9	713.9	698.0	698.0	713.9
70°	602.9	618.7	602.9	634.6	666.3	650.5	666.3	666.3	650.5	634.6	666.3
72.5°	555.3	555.3	555.3	555.3	602.9	602.9	602.9	618.7	602.9	587.0	602.9
75°	491.8	491.8	491.8	507.7	539.4	539.4	539.4	539.4	539.4	523.5	523.5
77.5°	428.3	444.2	428.3	444.2	475.9	460.1	475.9	491.8	475.9	460.1	460.1
80°	364.9	364.9	364.9	380.8	396.6	396.6	396.6	412.5	396.6	380.8	380.8
82.5°	285.6	285.6	301.4	301.4	317.3	317.3	317.3	333.2	317.3	301.4	301.4
85°	222.1	222.1	222.1	238.0	238.0	253.8	253.8	269.7	269.7	253.8	253.8
87.5°	142.8	126.9	142.8	142.8	158.6	158.6	142.8	126.9	142.8	126.9	111.1
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: P599094
 CATALOG NUMBER: IFLD-S-SA6E-830-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6	11422.6
2.5°	10423.1	10708.7	10914.9	11057.7	11264.0	11660.6	11819.2	12104.8	12184.1	12231.7
5°	8963.6	9265.0	9709.2	10026.5	10391.4	11137.0	11708.2	12136.5	12326.9	12501.4
7.5°	7028.1	7424.7	7884.8	8297.3	8900.1	9820.3	10565.9	11454.3	11787.5	11962.0
10°	5489.2	5854.1	6361.8	6869.4	7710.3	8487.6	9550.6	10359.7	10819.7	10946.7
12.5°	4632.5	5060.8	5663.7	6282.4	6806.0	7694.4	8773.2	9947.2	10375.5	10454.9
15°	3934.5	4521.4	5140.2	5774.8	6377.6	7155.0	8313.1	9740.9	10375.5	10454.9
17.5°	3252.3	3775.8	4505.6	5187.8	5885.8	6948.8	8392.4	9915.5	10550.0	10788.0
20°	2586.0	3093.6	3664.8	4521.4	5473.3	6599.7	8567.0	10502.5	11343.3	11597.1
22.5°	2141.7	2363.8	2919.1	3744.1	4870.5	6361.8	8741.5	11422.6	12311.0	12406.2
25°	1872.0	2030.7	2379.7	3157.1	4394.5	6203.1	9154.0	12485.5	13627.8	13627.8
27.5°	1745.1	1808.6	2046.6	2744.6	4061.4	6060.3	9566.4	13659.5	14722.5	14944.6
30°	1713.4	1872.0	1999.0	2443.2	3696.5	5663.7	9947.2	14579.7	15674.4	15690.2
32.5°	1681.7	1649.9	1745.1	2125.9	3252.3	5251.2	10264.5	15515.7	16372.4	16420.0
35°	1316.8	1380.2	1538.9	1872.0	2919.1	4949.8	10423.1	16023.4	17260.8	17308.4
37.5°	1237.4	1316.8	1443.7	1729.3	2697.0	4696.0	10470.7	17007.0	18196.8	18292.0
40°	1205.7	1269.2	1364.4	1602.3	2522.5	4378.7	10565.9	18022.3	19577.1	19450.2
42.5°	1142.3	1221.6	1316.8	1538.9	2379.7	4140.7	10581.8	18577.6	20306.9	20306.9
45°	1126.4	1174.0	1285.0	1538.9	2221.1	3934.5	10327.9	19132.9	21147.7	20893.9
47.5°	1062.9	1158.1	1253.3	1491.3	2030.7	3728.2	10026.5	19418.4	21258.7	21179.4
50°	1047.1	1142.3	1300.9	1412.0	1919.6	3633.0	9963.1	20132.3	21480.8	21465.0
52.5°	1015.3	1110.5	1348.5	1348.5	1776.9	3506.1	10264.5	20449.6	21528.4	21655.4
55°	967.7	1110.5	1253.3	1237.4	1649.9	3347.5	10597.6	21274.6	22369.3	22337.5
57.5°	936.0	1078.8	1189.9	1126.4	1507.1	3236.4	11089.4	22067.8	23384.6	23162.5
60°	888.4	1078.8	1062.9	1047.1	1396.1	3141.2	11501.9	22226.5	23606.7	23749.5
62.5°	856.7	1126.4	936.0	967.7	1300.9	3093.6	11327.4	21036.6	23305.3	23432.2
65°	825.0	967.7	856.7	888.4	1269.2	2998.4	10645.2	19608.8	22004.4	22559.6
67.5°	761.5	793.2	793.2	825.0	1237.4	2776.3	9249.1	17038.7	20021.3	20322.7
70°	698.0	713.9	713.9	761.5	1205.7	2522.5	7630.9	14738.3	17371.9	17943.0
72.5°	634.6	634.6	634.6	698.0	1110.5	2316.3	6282.4	11327.4	14436.9	14833.5
75°	555.3	555.3	555.3	618.7	999.5	2110.0	4949.8	8424.2	10629.4	11200.5
77.5°	491.8	491.8	475.9	555.3	872.6	1713.4	3569.6	5949.3	7488.2	7964.1
80°	412.5	396.6	396.6	444.2	682.2	1237.4	2300.4	4204.2	5219.5	5425.7
82.5°	333.2	317.3	301.4	333.2	491.8	777.4	1427.8	2935.0	3347.5	3220.5
85°	317.3	333.2	269.7	253.8	349.0	507.7	904.3	1808.6	1507.1	1507.1
87.5°	126.9	111.1	111.1	95.2	174.5	190.4	396.6	333.2	253.8	253.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)