

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: P598947

Luminaire Tested: **IFLD-S-SA6C-735-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598947
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6C-735-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (96) 3500K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

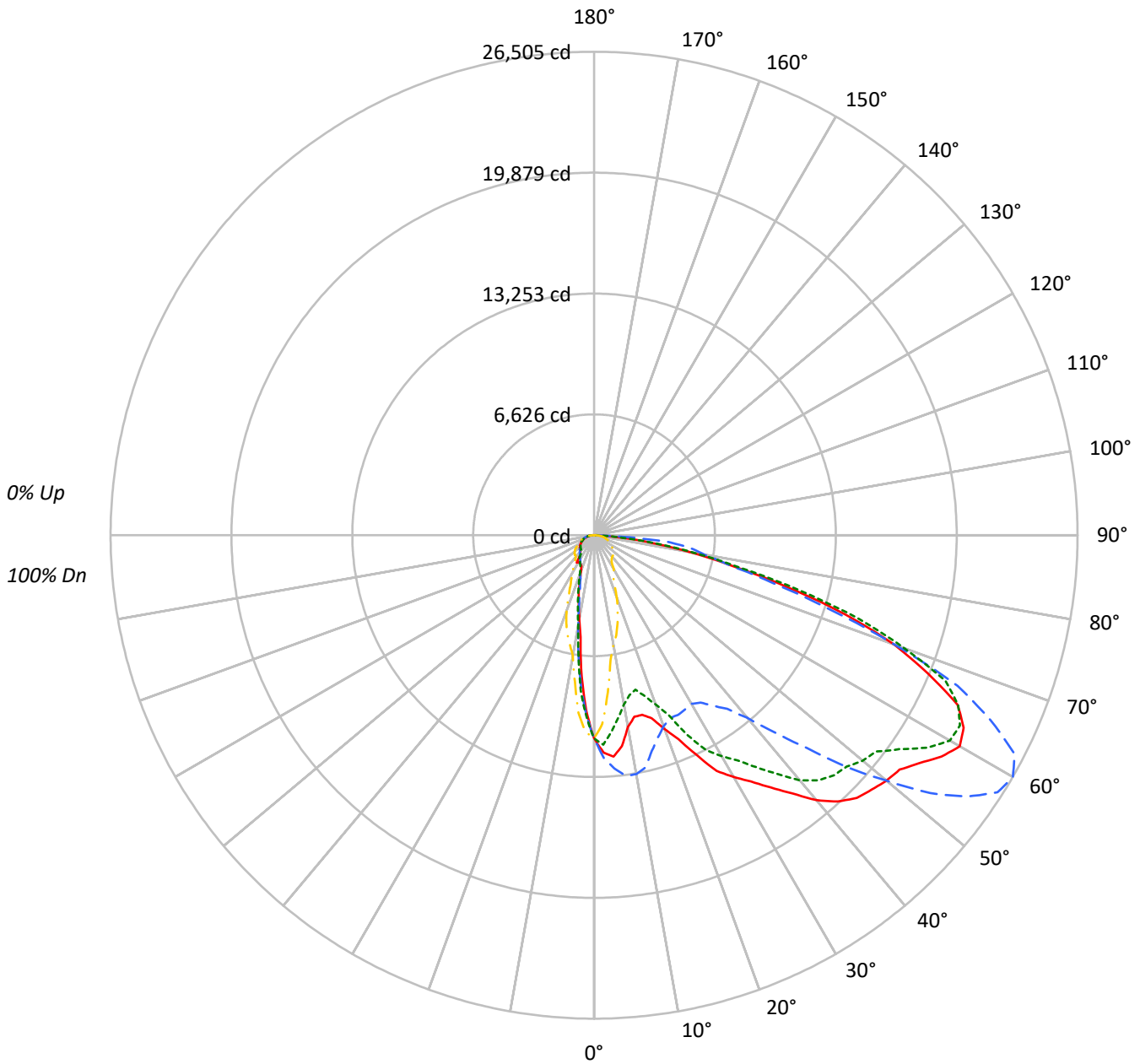
Lumens per Lamp: N/A
 Luminaire Lumens: 34859.9 lumens
 Efficiency: N/A
 Efficacy: 108.4 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 321.5
 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	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77				
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60				
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47				
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38				
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31				
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26				
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22				
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19				
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17				
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	79898	79898	79898	79898
5°	87777	77975	55919	61043
10°	77749	68623	33917	36396
15°	75708	65139	24011	24930
20°	86324	75342	15706	17359
25°	105177	95503	13714	14203
30°	126726	115834	14223	13198
35°	147795	136009	11786	11108
40°	177597	164270	11010	10430
45°	206682	188791	11142	10357
50°	233578	214587	11394	10704
55°	272403	255765	11802	11221
60°	332240	323140	11763	11763
65°	373381	373906	12078	12604
70°	366954	379931	12654	12979
75°	302698	322849	13292	14148
80°	218553	229418	14699	15336
85°	120958	129867	16549	20370

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	865.0	2.5
10°-20°	1826.2	5.2
20°-30°	2672.0	7.7
30°-40°	3764.7	10.8
40°-50°	5173.8	14.8
50°-60°	7051.3	20.2
60°-70°	7717.3	22.1
70°-80°	4455.5	12.8
80°-90°	1334.2	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°	5363.2	15.4
0°-40°	9127.9	26.2
0°-60°	21352.9	61.3
0°-90°	34859.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34859.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11134	11134	11134	11134	11134	
5°	12186	10825	7763	8474	12186	1106
15°	10191	8768	3232	3356	10191	2977
25°	13284	12062	1732	1794	13284	6220
35°	16871	15526	1345	1268	16871	10698
45°	20366	18603	1098	1021	20366	15653
55°	21773	20443	943	897	21773	19646
65°	21990	22021	711	742	21990	21047
75°	10918	11644	479	510	10918	11728
85°	1469	1577	201	247	1469	2038
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°	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1
2.5°	11922.7	11876.3	11922.7	12092.8	12139.2	12216.5	12216.5	12108.3	11907.3	11814.5	11659.8
5°	12185.6	12108.3	12494.9	12850.6	13128.9	13098.0	12835.1	12618.6	12216.5	11613.4	11041.3
7.5°	11659.8	11737.2	12015.5	12943.3	13592.8	13716.5	13299.0	12866.0	12000.0	11165.0	10391.8
10°	10670.1	10778.4	11381.5	12340.3	13360.9	13561.9	13299.0	12773.2	11737.2	10701.1	9804.2
12.5°	10190.8	10438.2	10793.9	11953.7	12680.5	13159.8	13036.1	12695.9	11536.1	10314.5	9448.5
15°	10190.8	10252.6	10778.4	11752.6	12170.1	12185.6	12232.0	12293.9	11598.0	10484.6	9324.8
17.5°	10515.5	10685.6	11134.1	11737.2	11814.5	11628.9	11628.9	11891.8	11721.7	10964.0	9773.2
20°	11304.2	11242.3	11829.9	12077.4	11659.8	11195.9	11149.5	11598.0	11860.9	11474.3	10592.8
22.5°	12092.8	12371.2	12850.6	12293.9	11520.7	10902.1	10840.2	11396.9	12278.4	12355.7	11536.1
25°	13283.6	13561.9	13809.3	13128.9	11505.2	10824.8	10871.2	11304.2	12788.7	13608.3	13113.4
27.5°	14567.1	14737.2	15092.8	14041.3	11876.3	10732.0	10778.4	11427.9	13268.1	14427.9	14350.6
30°	15293.9	15479.4	15402.1	14211.4	12123.8	10793.9	10670.1	11598.0	13005.2	14427.9	15154.7
32.5°	16005.2	15897.0	15850.6	14489.7	12433.0	11180.5	10871.2	11953.7	13159.8	14659.8	16190.8
35°	16871.2	16716.6	16592.8	15031.0	12943.3	11551.6	11412.4	12417.6	13500.0	15139.2	17025.8
37.5°	17830.0	17830.0	17226.9	15433.0	13546.4	12154.7	12000.0	13082.5	14041.3	15433.0	18170.2
40°	18958.8	19005.2	17938.2	15974.3	14226.9	13113.4	13067.1	13948.5	14567.1	15866.0	19268.1
42.5°	19793.9	19824.8	18556.8	16175.3	15015.5	14443.4	14644.4	15340.3	15170.2	16252.6	19345.4
45°	20366.1	20211.4	18989.8	16747.5	15881.5	16438.2	16500.1	16701.1	15958.8	16484.6	19654.7
47.5°	20644.4	20613.5	19175.3	17412.4	17706.2	18464.0	18819.7	18541.3	16685.6	16237.2	19654.7
50°	20922.8	20659.9	19345.4	18324.8	19484.6	21015.5	20938.2	20427.9	17690.8	16546.5	19360.9
52.5°	21108.3	20876.4	19685.6	19144.4	21185.6	22917.6	23226.9	22283.6	18866.0	17118.6	19500.1
55°	21773.3	21587.7	20706.3	20257.8	23149.6	24927.9	24974.3	23659.9	20103.2	18061.9	20412.4
57.5°	22577.4	22685.6	22113.5	21835.1	24649.6	26397.0	26226.9	24680.5	21154.7	19206.3	21464.0
60°	23149.6	23319.7	23180.5	23211.4	25391.8	26891.8	26505.3	25314.5	21927.9	20072.2	22747.5
62.5°	22840.3	23180.5	23752.7	23629.0	25422.8	26536.2	25994.9	24479.5	22020.7	21201.1	23721.7
65°	21989.8	22020.7	23134.1	23814.5	24031.0	24696.0	23984.6	22732.0	21061.9	21897.0	23582.6
67.5°	19809.4	20056.8	21061.9	22391.8	21479.5	21634.1	21572.2	19763.0	19608.3	21417.6	22515.5
70°	17489.8	17659.9	18757.8	20319.7	18139.2	17412.4	17551.6	16206.2	16840.3	19933.1	20366.1
72.5°	14458.8	14567.1	15819.6	17195.9	14551.6	13252.6	13577.4	12479.4	13376.3	17443.4	17180.5
75°	10917.6	11118.6	12092.8	13716.5	10716.5	9881.5	10206.2	9757.8	10592.8	14366.0	13329.9
77.5°	7762.9	7608.3	8814.5	10732.0	8056.7	7561.9	7592.8	7670.1	8567.0	12108.3	9572.2
80°	5288.7	5335.1	6417.5	7871.2	6324.8	6247.4	6170.1	6788.7	7190.7	9587.7	6958.8
82.5°	3139.2	3139.2	4329.9	5598.0	4994.9	5628.9	5273.2	5829.9	5628.9	7051.6	4561.9
85°	1469.1	1469.1	2226.8	4036.1	3866.0	4639.2	3943.3	4407.2	4159.8	4917.5	2056.7
87.5°	247.4	216.5	448.5	1979.4	1592.8	1809.3	711.3	2350.5	2613.4	3433.0	510.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1
2.5°	11489.7	11381.5	11165.0	10886.6	10654.7	10360.9	10268.1	10067.0	9788.7	9757.8	9634.1
5°	10824.8	10453.6	9989.7	9417.6	9031.0	8628.9	8288.7	8087.7	7855.7	7824.8	7762.9
7.5°	10098.0	9634.1	8860.9	8180.4	7515.5	6881.5	6572.2	6185.6	5922.7	5721.7	5628.9
10°	9417.6	8984.6	8025.8	7098.0	6510.3	6092.8	5721.7	5319.6	4994.9	4747.4	4654.7
12.5°	8969.1	8458.8	7422.7	6541.3	6108.3	5628.9	5211.4	4778.4	4360.8	4036.1	3866.0
15°	8768.1	8288.7	7237.1	6262.9	5628.9	4963.9	4484.6	4051.6	3541.2	3309.3	3232.0
17.5°	9247.5	8536.1	7175.3	5938.2	5041.3	4283.5	3695.9	3232.0	2860.8	2628.9	2536.1
20°	9866.0	8984.6	7283.5	5551.6	4484.6	3634.0	2984.5	2489.7	2242.3	2072.2	2056.7
22.5°	10654.7	9649.5	7453.6	5273.2	3866.0	2922.7	2335.1	2041.2	1871.1	1855.7	1824.7
25°	12061.9	10855.7	7732.0	4902.1	3371.1	2412.4	1994.9	1824.7	1747.4	1701.0	1732.0
27.5°	13268.1	11644.4	7933.0	4670.1	3170.1	2273.2	1933.0	1747.4	1670.1	1654.6	1670.1
30°	13979.4	12371.2	7871.2	4237.1	2768.1	2165.0	2056.7	1994.9	1840.2	1716.5	1716.5
32.5°	14628.9	12835.1	7855.7	3850.5	2366.0	1809.3	1716.5	1670.1	1762.9	1824.7	1778.4
35°	15525.8	13561.9	7809.3	3634.0	2195.9	1670.1	1515.5	1391.8	1329.9	1299.0	1345.4
37.5°	16484.6	14056.8	7685.6	3603.1	2103.1	1592.8	1469.1	1345.4	1283.5	1252.6	1237.1
40°	17536.1	14582.5	7546.4	3448.5	2056.7	1546.4	1422.7	1314.4	1237.1	1190.7	1175.3
42.5°	18216.6	15000.1	7407.2	3371.1	1963.9	1515.5	1376.3	1283.5	1206.2	1144.3	1144.3
45°	18603.2	15494.9	7268.1	3293.8	1855.7	1530.9	1376.3	1252.6	1159.8	1128.9	1097.9
47.5°	18773.3	15866.0	7221.7	3170.1	1762.9	1469.1	1345.4	1221.7	1128.9	1067.0	1051.6
50°	19221.7	16654.7	7391.8	3077.3	1654.6	1407.2	1422.7	1206.2	1113.4	1036.1	1020.6
52.5°	19484.6	17288.7	7762.9	2938.2	1577.3	1329.9	1391.8	1175.3	1067.0	989.7	989.7
55°	20443.4	18340.3	8165.0	2829.9	1484.5	1221.7	1283.5	1113.4	989.7	943.3	943.3
57.5°	21665.0	19453.7	8505.2	2783.5	1422.7	1144.3	1144.3	1082.5	943.3	881.4	866.0
60°	22515.5	20366.1	8706.2	2752.6	1360.8	1067.0	1020.6	1082.5	896.9	835.1	819.6
62.5°	22608.3	19840.3	8505.2	2737.1	1345.4	989.7	927.8	1036.1	850.5	788.7	757.7
65°	22020.7	18773.3	7948.5	2675.3	1329.9	912.4	866.0	896.9	788.7	742.3	711.3
67.5°	20845.4	17041.3	7144.4	2644.3	1314.4	850.5	788.7	773.2	726.8	680.4	649.5
70°	18108.3	14783.6	6201.1	2505.2	1283.5	804.1	711.3	695.9	649.5	618.6	603.1
72.5°	15201.1	12092.8	5118.6	2319.6	1221.7	726.8	649.5	618.6	603.1	556.7	541.2
75°	11644.4	9309.3	4098.0	2056.7	1067.0	649.5	572.2	541.2	525.8	494.8	479.4
77.5°	8180.4	6927.9	3030.9	1670.1	896.9	587.6	510.3	479.4	463.9	417.5	417.5
80°	5551.6	4855.7	2056.7	1159.8	695.9	479.4	448.5	417.5	386.6	355.7	355.7
82.5°	3448.5	3402.1	1484.5	757.7	510.3	386.6	355.7	355.7	309.3	278.4	278.4
85°	1577.3	2087.6	1036.1	525.8	386.6	293.8	293.8	278.4	247.4	201.0	201.0
87.5°	494.8	695.9	541.2	232.0	216.5	170.1	170.1	154.6	154.6	123.7	123.7
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°	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1
2.5°	9757.8	9742.3	9742.3	9680.4	9835.1	9835.1	9927.9	9850.6	9896.9	9912.4	10036.1
5°	7747.5	7871.2	7963.9	8149.5	8257.8	8304.2	8304.2	8427.9	8381.5	8474.3	8659.8
7.5°	5675.3	5829.9	6108.3	6340.2	6525.8	6587.7	6572.2	6603.1	6649.5	6541.3	6572.2
10°	4592.8	4484.6	4577.3	4793.8	4963.9	5165.0	5010.3	4994.9	5041.3	4994.9	5087.6
12.5°	3835.1	3711.4	3634.0	3634.0	3757.7	3850.5	3804.1	3881.5	4051.6	4098.0	4206.2
15°	3108.3	3000.0	2938.2	2860.8	2984.5	3015.5	3061.9	3170.1	3293.8	3355.7	3479.4
17.5°	2489.7	2489.7	2489.7	2427.8	2474.2	2520.6	2536.1	2675.3	2690.7	2752.6	2799.0
20°	2041.2	2087.6	2165.0	2195.9	2242.3	2242.3	2211.3	2288.7	2226.8	2273.2	2304.1
22.5°	1840.2	1902.1	1933.0	1948.5	2010.3	2025.8	1948.5	1963.9	1979.4	1933.0	1948.5
25°	1732.0	1762.9	1732.0	1747.4	1762.9	1732.0	1747.4	1778.4	1762.9	1793.8	1778.4
27.5°	1685.6	1654.6	1639.2	1623.7	1623.7	1592.8	1608.3	1608.3	1639.2	1654.6	1654.6
30°	1685.6	1639.2	1577.3	1530.9	1530.9	1484.5	1515.5	1546.4	1561.9	1592.8	1592.8
32.5°	1732.0	1639.2	1530.9	1484.5	1438.1	1407.2	1438.1	1484.5	1546.4	1561.9	1577.3
35°	1376.3	1422.7	1407.2	1345.4	1329.9	1329.9	1314.4	1314.4	1268.0	1268.0	1252.6
37.5°	1237.1	1221.7	1252.6	1268.0	1283.5	1237.1	1237.1	1175.3	1159.8	1175.3	1175.3
40°	1159.8	1159.8	1159.8	1206.2	1221.7	1190.7	1144.3	1113.4	1113.4	1113.4	1128.9
42.5°	1128.9	1097.9	1082.5	1113.4	1159.8	1128.9	1082.5	1067.0	1067.0	1082.5	1082.5
45°	1082.5	1067.0	1051.6	1036.1	1097.9	1051.6	1036.1	1020.6	1020.6	1020.6	1036.1
47.5°	1036.1	1020.6	989.7	989.7	1005.2	989.7	974.2	974.2	974.2	1005.2	1005.2
50°	1005.2	989.7	958.8	958.8	958.8	958.8	943.3	943.3	943.3	958.8	974.2
52.5°	958.8	943.3	927.8	912.4	912.4	912.4	912.4	912.4	912.4	927.8	943.3
55°	912.4	896.9	881.4	881.4	896.9	896.9	881.4	896.9	881.4	896.9	912.4
57.5°	866.0	850.5	835.1	850.5	866.0	850.5	850.5	850.5	850.5	850.5	866.0
60°	804.1	804.1	804.1	804.1	835.1	835.1	835.1	835.1	804.1	819.6	835.1
62.5°	773.2	757.7	757.7	773.2	788.7	788.7	804.1	788.7	773.2	788.7	788.7
65°	711.3	711.3	711.3	726.8	726.8	742.3	742.3	742.3	726.8	742.3	742.3
67.5°	665.0	665.0	665.0	665.0	695.9	695.9	695.9	695.9	680.4	680.4	695.9
70°	587.6	603.1	587.6	618.6	649.5	634.0	649.5	649.5	634.0	618.6	649.5
72.5°	541.2	541.2	541.2	541.2	587.6	587.6	587.6	603.1	587.6	572.2	587.6
75°	479.4	479.4	479.4	494.8	525.8	525.8	525.8	525.8	525.8	510.3	510.3
77.5°	417.5	433.0	417.5	433.0	463.9	448.5	463.9	479.4	463.9	448.5	448.5
80°	355.7	355.7	355.7	371.1	386.6	386.6	386.6	402.1	386.6	371.1	371.1
82.5°	278.4	278.4	293.8	293.8	309.3	309.3	309.3	324.7	309.3	293.8	293.8
85°	216.5	216.5	216.5	232.0	232.0	247.4	247.4	262.9	262.9	247.4	247.4
87.5°	139.2	123.7	139.2	139.2	154.6	154.6	139.2	123.7	139.2	123.7	108.2
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: P598947
 CATALOG NUMBER: IFLD-S-SA6C-735-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1	11134.1
2.5°	10159.8	10438.2	10639.2	10778.4	10979.4	11366.0	11520.7	11799.0	11876.3	11922.7
5°	8737.1	9031.0	9464.0	9773.2	10128.9	10855.7	11412.4	11829.9	12015.5	12185.6
7.5°	6850.5	7237.1	7685.6	8087.7	8675.3	9572.2	10299.0	11165.0	11489.7	11659.8
10°	5350.5	5706.2	6201.1	6695.9	7515.5	8273.2	9309.3	10098.0	10546.4	10670.1
12.5°	4515.5	4933.0	5520.6	6123.7	6634.0	7500.0	8551.6	9695.9	10113.4	10190.8
15°	3835.1	4407.2	5010.3	5628.9	6216.5	6974.3	8103.1	9494.9	10113.4	10190.8
17.5°	3170.1	3680.4	4391.8	5056.7	5737.1	6773.2	8180.4	9665.0	10283.5	10515.5
20°	2520.6	3015.5	3572.2	4407.2	5335.1	6433.0	8350.5	10237.2	11056.7	11304.2
22.5°	2087.6	2304.1	2845.4	3649.5	4747.4	6201.1	8520.6	11134.1	12000.0	12092.8
25°	1824.7	1979.4	2319.6	3077.3	4283.5	6046.4	8922.7	12170.1	13283.6	13283.6
27.5°	1701.0	1762.9	1994.9	2675.3	3958.8	5907.2	9324.8	13314.5	14350.6	14567.1
30°	1670.1	1824.7	1948.5	2381.5	3603.1	5520.6	9695.9	14211.4	15278.4	15293.9
32.5°	1639.2	1608.3	1701.0	2072.2	3170.1	5118.6	10005.2	15123.8	15958.8	16005.2
35°	1283.5	1345.4	1500.0	1824.7	2845.4	4824.8	10159.8	15618.6	16824.8	16871.2
37.5°	1206.2	1283.5	1407.2	1685.6	2628.9	4577.3	10206.2	16577.4	17737.2	17830.0
40°	1175.3	1237.1	1329.9	1561.9	2458.8	4268.1	10299.0	17567.1	19082.5	18958.8
42.5°	1113.4	1190.7	1283.5	1500.0	2319.6	4036.1	10314.5	18108.3	19793.9	19793.9
45°	1097.9	1144.3	1252.6	1500.0	2165.0	3835.1	10067.0	18649.6	20613.5	20366.1
47.5°	1036.1	1128.9	1221.7	1453.6	1979.4	3634.0	9773.2	18927.9	20721.7	20644.4
50°	1020.6	1113.4	1268.0	1376.3	1871.1	3541.2	9711.4	19623.8	20938.2	20922.8
52.5°	989.7	1082.5	1314.4	1314.4	1732.0	3417.5	10005.2	19933.1	20984.6	21108.3
55°	943.3	1082.5	1221.7	1206.2	1608.3	3262.9	10329.9	20737.2	21804.2	21773.3
57.5°	912.4	1051.6	1159.8	1097.9	1469.1	3154.7	10809.3	21510.4	22793.9	22577.4
60°	866.0	1051.6	1036.1	1020.6	1360.8	3061.9	11211.4	21665.0	23010.4	23149.6
62.5°	835.1	1097.9	912.4	943.3	1268.0	3015.5	11041.3	20505.2	22716.6	22840.3
65°	804.1	943.3	835.1	866.0	1237.1	2922.7	10376.3	19113.5	21448.5	21989.8
67.5°	742.3	773.2	773.2	804.1	1206.2	2706.2	9015.5	16608.3	19515.5	19809.4
70°	680.4	695.9	695.9	742.3	1175.3	2458.8	7438.2	14366.0	16933.1	17489.8
72.5°	618.6	618.6	618.6	680.4	1082.5	2257.7	6123.7	11041.3	14072.2	14458.8
75°	541.2	541.2	541.2	603.1	974.2	2056.7	4824.8	8211.4	10360.9	10917.6
77.5°	479.4	479.4	463.9	541.2	850.5	1670.1	3479.4	5799.0	7299.0	7762.9
80°	402.1	386.6	386.6	433.0	665.0	1206.2	2242.3	4098.0	5087.6	5288.7
82.5°	324.7	309.3	293.8	324.7	479.4	757.7	1391.8	2860.8	3262.9	3139.2
85°	309.3	324.7	262.9	247.4	340.2	494.8	881.4	1762.9	1469.1	1469.1
87.5°	123.7	108.2	108.2	92.8	170.1	185.6	386.6	324.7	247.4	247.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)