

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: P599450

Luminaire Tested: **IFLD-L-SA7C-730-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P599450
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7C-730-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (112) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

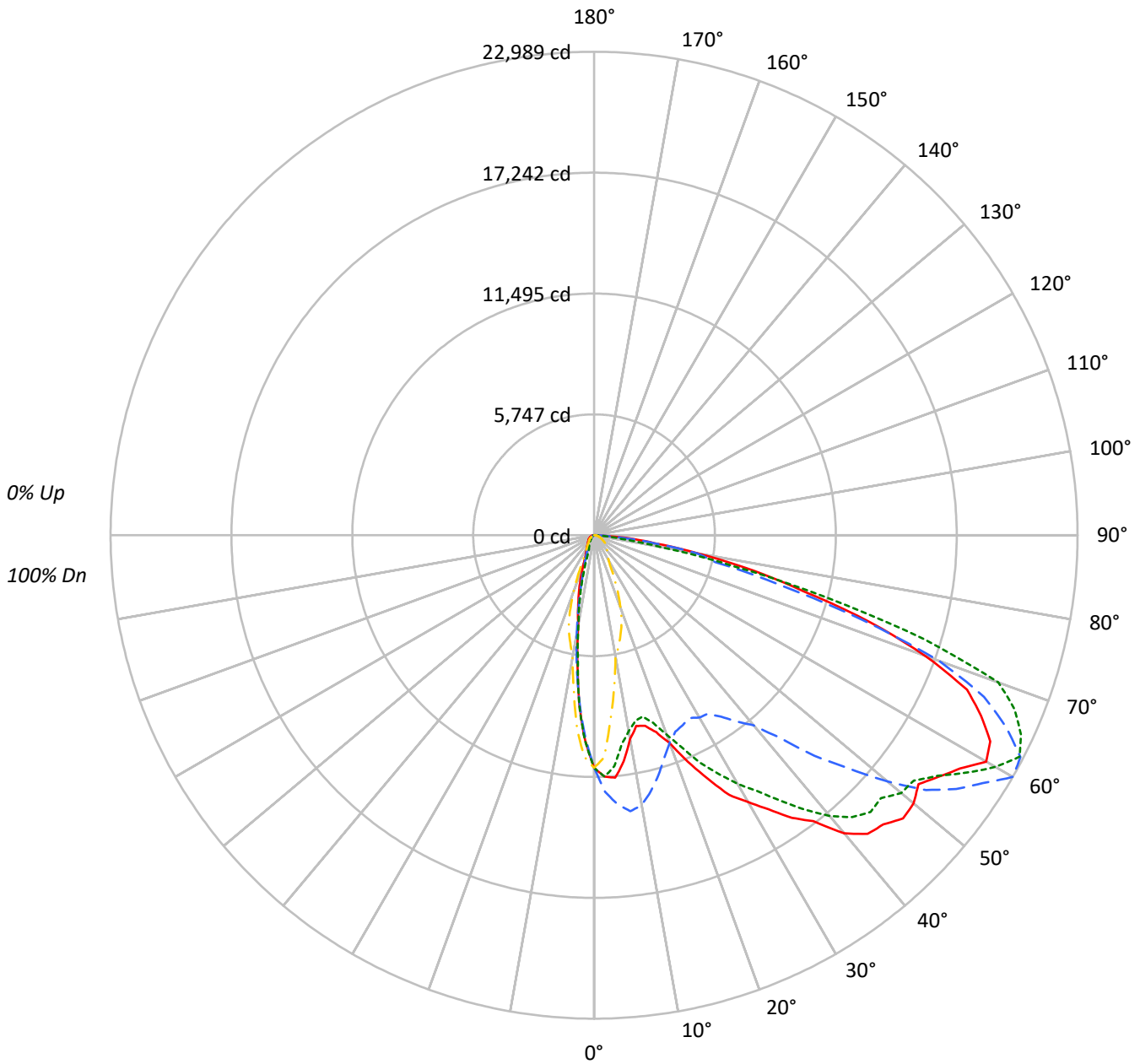
Lumens per Lamp: N/A
 Luminaire Lumens: 29401.4 lumens
 Efficiency: N/A
 Efficacy: 79.7 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 369
 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: P599450
CATALOG NUMBER: IFLD-L-SA7C-730-U-SLL-HSS

Luminous Intensity Polar Plot



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

TEST NUMBER: P599450
 CATALOG NUMBER: IFLD-L-SA7C-730-U-SLL-HSS

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	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°	59496	59496	59496	59496
5°	62523	59511	43477	43732
10°	53763	51704	23771	23213
15°	52277	49696	15442	11637
20°	60256	57738	8274	4137
25°	75764	70869	5362	3217
30°	90998	84802	4343	2635
35°	107760	101106	3559	2115
40°	130014	122402	3144	1600
45°	148022	141568	2928	1075
50°	166054	159612	2893	657
55°	187786	187123	2873	295
60°	231730	237224	2620	85
65°	258562	285159	2399	0
70°	263650	321841	2223	0
75°	214528	237386	2123	0
80°	155981	99284	2191	0
85°	100846	41694	2908	0

TEST NUMBER: P599450
 CATALOG NUMBER: IFLD-L-SA7C-730-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	839.8	2.9
10°-20°	1646.9	5.6
20°-30°	2279.0	7.8
30°-40°	3220.8	11.0
40°-50°	4385.1	14.9
50°-60°	5807.8	19.8
60°-70°	6743.3	22.9
70°-80°	3818.8	13.0
80°-90°	659.8	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°	4765.6	16.2
0°-40°	7986.4	27.2
0°-60°	18179.4	61.8
0°-90°	29401.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29401.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11055	11055	11055	11055	11055	
5°	11573	11016	8048	8095	11573	1039
15°	9382	8919	2772	2088	9382	2752
25°	12758	11934	903	542	12758	5950
35°	16402	15389	542	322	16402	10340
45°	19448	18600	385	141	19448	15078
55°	20013	19942	306	31	20013	18132
65°	20304	22392	188	0	20304	19792
75°	10317	11416	102	0	10317	11260
85°	1633	675	47	0	1633	1962
90°	0	0	0	0	0	

TEST NUMBER: P599450
 CATALOG NUMBER: IFLD-L-SA7C-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7
2.5°	11486.5	11729.9	11737.8	11847.7	11957.6	11957.6	12216.7	12153.9	11926.2	11887.0	11722.1
5°	11572.9	11659.3	11722.1	12279.5	12750.6	12703.5	12844.8	12750.6	12310.9	11745.6	11360.9
7.5°	10827.0	10921.2	11172.5	12122.5	12758.5	12970.4	13237.4	12648.5	12185.3	11164.6	10426.6
10°	9837.8	10018.3	10481.6	11565.0	12350.2	13025.4	13025.4	12554.3	11659.3	10662.1	9759.2
12.5°	9288.2	9649.3	9900.6	10999.8	12020.4	12483.7	12468.0	12216.7	11635.7	10379.5	9358.8
15°	9382.4	9484.4	10018.3	10874.1	11549.3	11525.8	11808.4	11729.9	11321.7	10630.7	9508.0
17.5°	9814.2	9971.2	10434.5	10874.1	11196.0	11101.8	11094.0	11470.8	11494.4	11054.7	10065.4
20°	10520.8	10984.0	11203.9	11337.4	10944.8	10544.4	10497.3	11023.3	11431.6	11596.5	10732.8
22.5°	11651.4	11957.6	12405.1	11722.1	10701.4	10198.9	10104.7	10685.7	11510.1	12240.3	11596.5
25°	12758.5	12994.0	13425.8	12546.5	10976.2	10128.3	9963.4	10465.9	11808.4	13135.3	12640.7
27.5°	13928.3	14132.4	14179.6	13151.0	11125.4	9986.9	9790.6	10465.9	12059.7	13606.4	13889.1
30°	14642.8	14886.2	14933.3	13684.9	11368.8	10104.7	10010.5	10513.0	12232.4	14006.8	14784.1
32.5°	15443.6	15506.4	15467.2	13779.1	11635.7	10450.2	10057.6	10827.0	12428.7	14485.8	15600.6
35°	16401.5	16511.4	16111.0	14211.0	12232.4	10670.0	10528.7	11211.7	12766.3	14705.6	16589.9
37.5°	17131.7	17477.1	16574.2	14375.8	12350.2	11133.2	11156.8	12012.6	13001.8	14972.5	17681.3
40°	18505.6	17924.6	17359.4	14941.1	12797.7	11918.4	11792.7	12837.0	13794.8	15145.3	18395.7
42.5°	19259.4	18953.2	17665.6	14996.1	13488.6	13001.8	13033.3	13771.3	14211.0	15632.1	18592.0
45°	19447.8	19125.9	18081.7	15035.3	14171.7	14281.6	14823.4	14964.7	14823.4	15954.0	18961.0
47.5°	19926.7	19228.0	18034.6	15561.4	15278.7	15702.7	16393.6	16699.8	15655.6	15836.2	19133.8
50°	19832.5	19432.1	17932.5	15781.2	16629.2	17751.9	18215.1	18089.5	16582.1	15592.8	18945.3
52.5°	19440.0	19008.1	18246.6	16377.9	17893.2	19251.5	19895.3	19581.3	17406.5	16142.4	18819.7
55°	20013.1	19683.4	18654.8	17186.6	18843.3	20570.6	21025.9	20790.4	18419.3	16652.7	19534.2
57.5°	20633.4	20562.7	19761.9	18136.6	19966.0	21928.8	21928.8	21638.3	19298.6	17390.8	20594.1
60°	21528.4	21685.4	20578.4	18764.7	20350.7	21850.3	22988.8	22651.2	20185.8	18686.2	21795.4
62.5°	21237.9	21740.4	21630.5	20115.2	20790.4	22235.0	22855.3	23106.5	21285.0	20264.4	23397.0
65°	20303.6	20837.5	21622.6	21002.4	20460.6	21300.7	21614.8	22376.4	21834.6	21748.3	24056.6
67.5°	19188.7	19769.7	20256.5	21599.1	19793.3	20350.7	20075.9	20319.3	21237.9	23373.5	24433.4
70°	16754.8	17312.2	18081.7	20272.2	18026.7	17524.2	17453.6	17335.8	18764.7	22792.5	22721.8
72.5°	13779.1	14038.2	15310.1	16480.0	13339.5	13245.2	13355.2	13221.7	14878.3	20633.4	19463.5
75°	10316.7	10575.8	11298.1	12656.4	9084.0	8542.3	9170.4	9790.6	11360.9	16016.8	13983.3
77.5°	7757.1	8086.9	8542.3	9468.7	6665.8	5817.9	5904.2	6493.1	8212.5	12829.1	7835.7
80°	5032.7	4993.5	5872.8	6516.6	5017.0	5174.0	4954.2	5386.0	5951.3	6862.1	4004.2
82.5°	2905.0	2944.3	3313.3	3737.2	3493.9	3996.3	2881.4	4812.9	4247.6	2795.1	1491.8
85°	1633.1	1703.7	2041.4	2590.9	2190.5	1468.2	1201.3	2386.8	2669.5	1146.3	722.3
87.5°	164.9	141.3	274.8	981.4	596.7	243.4	361.2	573.1	643.8	431.8	212.0
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: P599450
 CATALOG NUMBER: IFLD-L-SA7C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7
2.5°	11486.5	11486.5	11290.3	10960.5	10827.0	10591.5	10269.6	10371.6	10261.7	9861.3	9759.2
5°	11015.5	10638.6	10230.3	9727.8	9437.3	8840.6	8652.2	8314.6	8369.5	8031.9	8047.6
7.5°	10034.0	9735.7	9044.8	8385.2	7812.1	7293.9	6563.7	6288.9	6022.0	5888.5	6045.5
10°	9460.9	8903.4	7961.3	7097.6	6336.0	5872.8	5386.0	5009.2	4663.7	4404.6	4349.7
12.5°	9044.8	8550.1	7411.7	6359.6	5762.9	5386.0	4938.5	4420.3	4082.7	3635.2	3501.7
15°	8919.1	8314.6	7113.3	6069.1	5488.1	4867.8	4357.5	3847.2	3407.5	2936.4	2771.5
17.5°	9351.0	8652.2	7105.5	5833.6	5017.0	4349.7	3643.0	3069.9	2622.4	2190.5	2088.5
20°	10081.1	9013.4	7333.2	5692.2	4569.5	3674.4	2873.6	2300.4	1798.0	1515.3	1444.6
22.5°	10913.4	9625.8	7356.7	5315.4	4122.0	2999.2	2096.3	1515.3	1232.7	1099.2	1059.9
25°	11934.1	10607.2	7639.4	5009.2	3595.9	2276.9	1491.8	1162.0	997.1	918.6	902.9
27.5°	12774.2	11290.3	7945.6	4687.3	3077.7	1688.0	1169.9	950.0	863.6	785.1	777.3
30°	13645.7	12075.4	8031.9	4491.0	2630.2	1389.7	1005.0	840.1	745.9	706.6	698.8
32.5°	14407.2	12931.2	8306.7	4169.1	2206.2	1224.8	910.8	753.7	690.9	628.1	620.3
35°	15388.7	13425.8	8440.2	3996.3	2049.2	1107.0	832.2	690.9	596.7	557.4	541.7
37.5°	16440.7	13904.8	8526.6	3862.9	1915.7	1036.4	785.1	651.7	565.3	510.3	494.6
40°	17422.2	14580.0	8401.0	3698.0	1813.7	950.0	753.7	604.6	526.0	471.1	447.5
42.5°	18175.9	15239.5	8361.7	3541.0	1703.7	918.6	714.5	581.0	494.6	431.8	424.0
45°	18599.9	15687.0	8086.9	3415.3	1617.4	934.3	698.8	549.6	471.1	416.1	384.7
47.5°	18497.8	16032.5	8157.6	3376.1	1499.6	871.5	690.9	526.0	431.8	384.7	361.2
50°	19063.1	16731.2	8039.8	3250.5	1413.2	785.1	753.7	526.0	424.0	369.0	345.5
52.5°	19157.3	17367.2	8291.0	3022.8	1279.8	722.3	745.9	518.2	408.3	353.3	321.9
55°	19942.4	18105.2	8777.8	2897.2	1169.9	628.1	683.1	502.5	369.0	321.9	306.2
57.5°	21010.2	19636.2	9091.9	2779.4	1020.7	549.6	573.1	494.6	337.6	298.4	274.8
60°	22038.8	20248.7	9115.4	2567.4	879.4	494.6	447.5	494.6	314.1	266.9	243.4
62.5°	22808.2	20248.7	8958.4	2386.8	769.4	439.7	392.6	471.1	282.6	235.5	219.8
65°	22392.1	19706.9	8550.1	2237.6	698.8	384.7	337.6	361.2	251.2	204.1	188.4
67.5°	21646.2	18018.9	7647.2	2057.1	690.9	337.6	290.5	266.9	219.8	180.6	164.9
70°	20452.8	15742.0	6367.5	1852.9	675.2	306.2	259.1	227.7	196.3	157.0	141.3
72.5°	16480.0	13001.8	5229.0	1735.1	659.5	266.9	219.8	196.3	164.9	133.5	117.8
75°	11415.9	8306.7	4027.7	1483.9	643.8	243.4	204.1	172.7	141.3	109.9	102.1
77.5°	6846.4	5550.9	2598.8	1114.9	424.0	196.3	172.7	133.5	117.8	94.2	86.4
80°	3203.4	2622.4	1052.1	431.8	204.1	141.3	117.8	102.1	94.2	78.5	70.7
82.5°	1256.2	1107.0	510.3	251.2	164.9	109.9	94.2	86.4	78.5	62.8	55.0
85°	675.2	596.7	243.4	172.7	117.8	78.5	78.5	70.7	62.8	55.0	47.1
87.5°	149.2	109.9	102.1	102.1	86.4	62.8	62.8	55.0	47.1	39.3	31.4
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: P599450
 CATALOG NUMBER: IFLD-L-SA7C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7
2.5°	9704.3	9822.0	9633.6	9751.4	9586.5	9712.1	9727.8	9610.1	9641.5	9798.5	9869.2
5°	8267.5	8189.0	8016.2	7961.3	7969.1	7867.1	7906.3	7961.3	8047.6	8094.7	8236.1
7.5°	5959.2	6139.8	6131.9	6265.4	6273.2	6257.5	6147.6	5912.1	5990.6	5927.8	6006.3
10°	4263.3	4341.8	4491.0	4577.3	4734.4	4648.0	4396.8	4302.5	4255.4	4247.6	4326.1
12.5°	3407.5	3219.1	3203.4	3234.8	3313.3	3211.2	3085.6	2975.7	3030.6	3140.5	3226.9
15°	2638.1	2481.0	2276.9	2245.5	2261.2	2214.1	2080.6	1939.3	1978.5	2088.5	2151.3
17.5°	2025.7	1845.1	1703.7	1609.5	1578.1	1413.2	1217.0	1099.2	1067.8	1059.9	1114.9
20°	1366.1	1334.7	1311.2	1193.4	1193.4	957.9	793.0	706.6	706.6	722.3	730.2
22.5°	1020.7	981.4	989.3	965.7	902.9	714.5	628.1	604.6	604.6	620.3	620.3
25°	887.2	832.2	816.5	808.7	745.9	612.4	549.6	526.0	526.0	541.7	541.7
27.5°	753.7	738.0	714.5	683.1	628.1	526.0	486.8	463.2	471.1	478.9	471.1
30°	690.9	651.7	620.3	620.3	557.4	471.1	439.7	424.0	408.3	424.0	431.8
32.5°	612.4	588.9	573.1	549.6	478.9	416.1	384.7	369.0	361.2	361.2	369.0
35°	526.0	526.0	510.3	478.9	416.1	376.9	337.6	321.9	314.1	321.9	321.9
37.5°	471.1	447.5	455.4	424.0	369.0	329.8	290.5	274.8	274.8	266.9	274.8
40°	439.7	400.4	376.9	361.2	329.8	282.6	251.2	235.5	227.7	227.7	227.7
42.5°	392.6	361.2	314.1	306.2	298.4	243.4	204.1	196.3	188.4	180.6	180.6
45°	369.0	321.9	282.6	243.4	243.4	204.1	172.7	157.0	149.2	141.3	149.2
47.5°	337.6	290.5	243.4	204.1	196.3	164.9	133.5	117.8	109.9	109.9	109.9
50°	321.9	259.1	212.0	172.7	149.2	133.5	102.1	86.4	78.5	78.5	78.5
52.5°	298.4	243.4	188.4	149.2	117.8	102.1	78.5	62.8	55.0	55.0	55.0
55°	266.9	219.8	164.9	125.6	102.1	78.5	55.0	39.3	31.4	31.4	31.4
57.5°	251.2	196.3	141.3	109.9	78.5	55.0	31.4	23.6	23.6	15.7	23.6
60°	227.7	172.7	117.8	86.4	62.8	39.3	23.6	7.9	7.9	7.9	7.9
62.5°	196.3	149.2	102.1	70.7	47.1	23.6	7.9	0.0	0.0	0.0	0.0
65°	164.9	117.8	78.5	55.0	31.4	7.9	0.0	0.0	0.0	0.0	0.0
67.5°	141.3	102.1	62.8	39.3	23.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	125.6	86.4	47.1	31.4	7.9	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	102.1	70.7	39.3	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	86.4	55.0	23.6	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	70.7	39.3	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	55.0	31.4	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	47.1	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.4	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	23.6	7.9	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: P599450
 CATALOG NUMBER: IFLD-L-SA7C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7	11054.7
2.5°	9971.2	9924.1	10159.7	10544.4	10740.7	11125.4	11219.6	11463.0	11400.2	11486.5
5°	8251.8	8346.0	8691.5	9256.8	9460.9	10018.3	10544.4	11070.4	11408.0	11572.9
7.5°	6124.1	6438.1	6862.1	7380.3	7906.3	8636.5	9531.5	10144.0	10473.7	10827.0
10°	4561.6	4899.2	5386.0	5896.4	6752.2	7568.7	8463.8	9225.3	9508.0	9837.8
12.5°	3588.1	4114.1	4679.4	5229.0	5739.3	6516.6	7623.7	8730.7	9036.9	9288.2
15°	2496.7	3140.5	3949.2	4663.7	5378.2	6053.4	7199.7	8542.3	8958.4	9382.4
17.5°	1381.8	1892.2	2818.6	3823.6	4875.7	5912.1	7341.0	8887.7	9515.8	9814.2
20°	800.8	1005.0	1664.5	2857.9	4247.6	5605.9	7411.7	9539.4	10371.6	10520.8
22.5°	659.5	730.2	942.2	1790.1	3478.2	5409.6	7772.8	10450.2	11298.1	11651.4
25°	565.3	620.3	730.2	1075.6	2630.2	4993.5	8000.5	11588.6	12373.7	12758.5
27.5°	502.5	557.4	643.8	793.0	1790.1	4420.3	8377.4	12617.1	13402.3	13928.3
30°	439.7	486.8	573.1	675.2	1240.5	3776.5	8699.3	13370.9	14477.9	14642.8
32.5°	392.6	431.8	494.6	581.0	918.6	2865.7	8958.4	14148.1	15082.5	15443.6
35°	337.6	384.7	424.0	494.6	698.8	2159.1	8801.4	14752.7	15969.7	16401.5
37.5°	298.4	329.8	369.0	416.1	588.9	1688.0	8479.5	15475.0	16731.2	17131.7
40°	251.2	274.8	321.9	369.0	533.9	1303.3	8110.5	16346.5	17799.0	18505.6
42.5°	212.0	235.5	266.9	345.5	439.7	965.7	7364.6	17021.7	18662.7	19259.4
45°	164.9	196.3	243.4	345.5	353.3	714.5	6595.1	17524.2	19149.5	19447.8
47.5°	125.6	157.0	235.5	298.4	282.6	494.6	5684.4	18097.4	19651.9	19926.7
50°	94.2	125.6	266.9	259.1	235.5	376.9	5111.2	18497.8	19683.4	19832.5
52.5°	62.8	94.2	219.8	196.3	196.3	329.8	4954.2	18482.1	19761.9	19440.0
55°	47.1	70.7	125.6	141.3	172.7	290.5	4812.9	19070.9	19785.4	20013.1
57.5°	31.4	55.0	86.4	109.9	149.2	251.2	4522.4	19777.6	20515.6	20633.4
60°	15.7	39.3	62.8	86.4	125.6	219.8	4114.1	20295.8	21402.8	21528.4
62.5°	7.9	23.6	47.1	70.7	102.1	172.7	3690.1	19471.4	21018.1	21237.9
65°	0.0	15.7	31.4	47.1	62.8	125.6	2999.2	17579.2	19494.9	20303.6
67.5°	0.0	0.0	15.7	31.4	39.3	94.2	2261.2	15993.2	18089.5	19188.7
70°	0.0	0.0	7.9	7.9	23.6	70.7	1444.6	13245.2	16150.2	16754.8
72.5°	0.0	0.0	0.0	0.0	7.9	47.1	840.1	9837.8	12656.4	13779.1
75°	0.0	0.0	0.0	0.0	0.0	39.3	424.0	6328.2	8809.2	10316.7
77.5°	0.0	0.0	0.0	0.0	0.0	31.4	227.7	4082.7	6493.1	7757.1
80°	0.0	0.0	0.0	0.0	0.0	7.9	133.5	2371.1	4153.4	5032.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	55.0	1162.0	2481.0	2905.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	15.7	620.3	1240.5	1633.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6	86.4	164.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)