

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: P599455

Luminaire Tested: **IFLD-L-SA8C-730-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: P599455
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8C-730-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (128) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

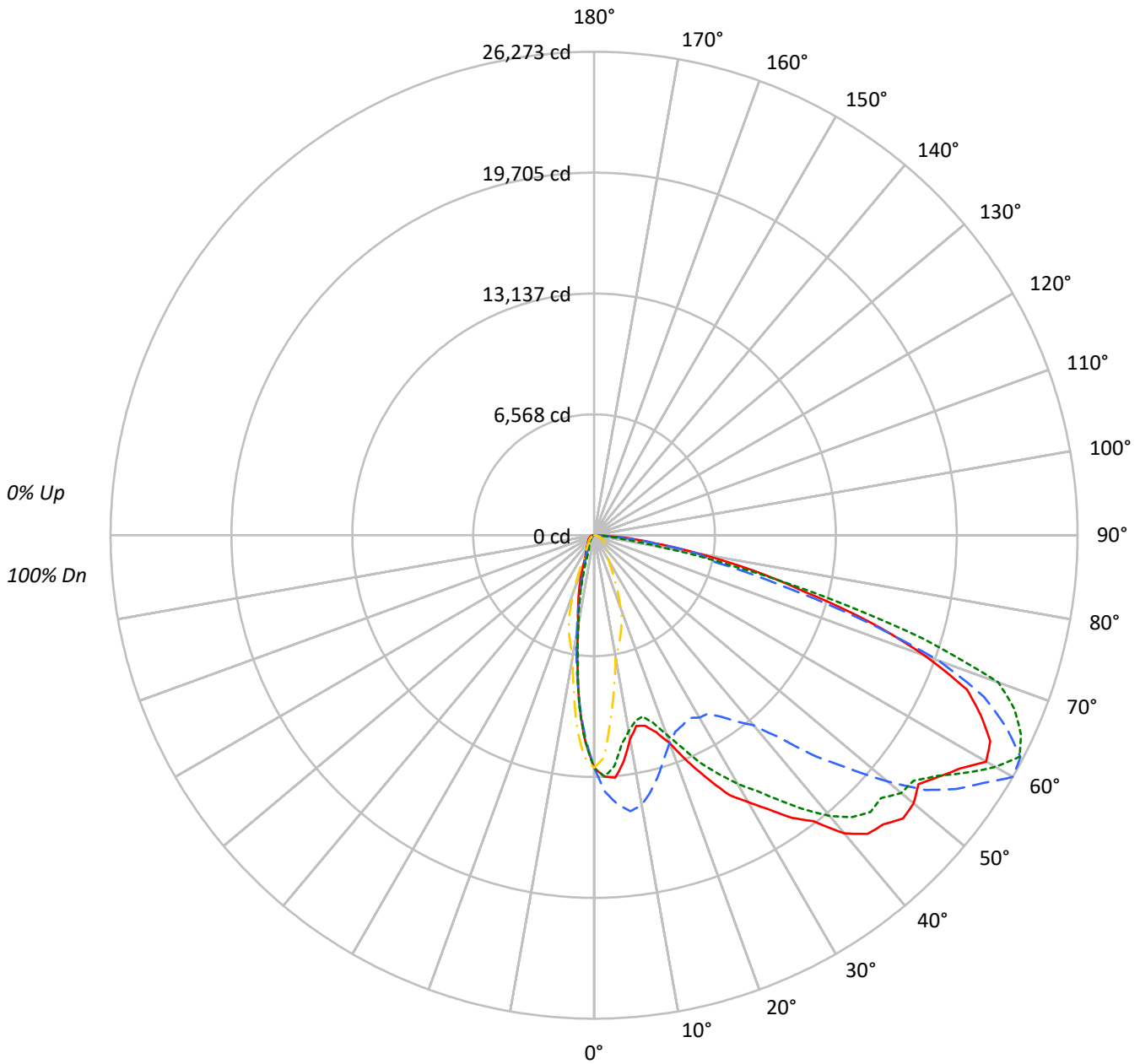
Lumens per Lamp: N/A
 Luminaire Lumens: 33601.7 lumens
 Efficiency: N/A
 Efficacy: 79.9 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 420.3
 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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CATALOG NUMBER: IFLD-L-SA8C-730-U-SLL-HSS

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: IFLD-L-SA8C-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°	67996	67996	67996	67996
5°	71455	68013	49689	49980
10°	61444	59090	27166	26529
15°	59745	56795	17649	13299
20°	68865	65987	9456	4728
25°	86587	80993	6128	3676
30°	103999	96917	4963	3011
35°	123155	115550	4068	2417
40°	148588	139888	3594	1828
45°	169168	161792	3347	1229
50°	189777	182415	3306	751
55°	214613	213855	3283	337
60°	264835	271113	2995	97
65°	295501	325896	2743	0
70°	301315	367819	2541	0
75°	245175	271297	2425	0
80°	178265	113467	2504	0
85°	115252	47653	3322	0

TEST NUMBER: P599455
 CATALOG NUMBER: IFLD-L-SA8C-730-U-SLL-HSS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	959.8	2.9
10°-20°	1882.1	5.6
20°-30°	2604.5	7.8
30°-40°	3680.9	11.0
40°-50°	5011.6	14.9
50°-60°	6637.6	19.8
60°-70°	7706.7	22.9
70°-80°	4364.3	13.0
80°-90°	754.1	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°	5446.5	16.2
0°-40°	9127.4	27.2
0°-60°	20776.5	61.8
0°-90°	33601.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33601.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12634	12634	12634	12634	12634	
5°	13226	12589	9197	9251	13226	1188
15°	10723	10193	3168	2387	10723	3145
25°	14581	13639	1032	619	14581	6801
35°	18745	17587	619	368	18745	11817
45°	22226	21257	440	162	22226	17232
55°	22872	22791	350	36	22872	20722
65°	23204	25591	215	0	23204	22620
75°	11790	13047	117	0	11790	12868
85°	1866	772	54	0	1866	2242
90°	0	0	0	0	0	

TEST NUMBER: P599455
 CATALOG NUMBER: IFLD-L-SA8C-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0
2.5°	13127.5	13405.7	13414.6	13540.3	13665.9	13665.9	13962.0	13890.2	13630.0	13585.1	13396.7
5°	13226.2	13324.9	13396.7	14033.8	14572.2	14518.3	14679.8	14572.2	14069.7	13423.6	12983.9
7.5°	12373.8	12481.4	12768.6	13854.3	14581.1	14823.4	15128.5	14455.5	13926.1	12759.6	11916.1
10°	11243.2	11449.6	11979.0	13217.2	14114.5	14886.2	14886.2	14347.8	13324.9	12185.3	11153.4
12.5°	10615.1	11027.8	11315.0	12571.2	13737.7	14267.1	14249.1	13962.0	13298.0	11862.3	10695.8
15°	10722.7	10839.4	11449.6	12427.6	13199.3	13172.4	13495.4	13405.7	12939.1	12149.4	10866.3
17.5°	11216.3	11395.7	11925.1	12427.6	12795.5	12687.8	12678.9	13109.6	13136.5	12634.0	11503.4
20°	12023.8	12553.2	12804.5	12957.0	12508.4	12050.7	11996.9	12598.1	13064.7	13253.1	12266.1
22.5°	13315.9	13665.9	14177.3	13396.7	12230.2	11655.9	11548.3	12212.3	13154.4	13988.9	13253.1
25°	14581.1	14850.3	15343.8	14338.9	12544.3	11575.2	11386.7	11961.0	13495.4	15011.8	14446.5
27.5°	15918.1	16151.4	16205.2	15029.8	12714.7	11413.7	11189.3	11961.0	13782.5	15550.2	15873.2
30°	16734.7	17012.8	17066.7	15639.9	12992.9	11548.3	11440.6	12014.9	13979.9	16007.8	16896.2
32.5°	17649.9	17721.7	17676.8	15747.6	13298.0	11943.1	11494.4	12373.8	14204.3	16555.2	17829.4
35°	18744.6	18870.2	18412.6	16241.1	13979.9	12194.3	12032.8	12813.5	14590.1	16806.4	18960.0
37.5°	19579.1	19973.9	18942.0	16429.6	14114.5	12723.7	12750.6	13728.7	14859.3	17111.5	20207.2
40°	21149.4	20485.4	19839.3	17075.6	14626.0	13621.0	13477.5	14670.9	15765.6	17308.9	21023.7
42.5°	22010.8	21660.8	20189.3	17138.4	15415.6	14859.3	14895.2	15738.6	16241.1	17865.3	21248.1
45°	22226.1	21858.2	20664.8	17183.3	16196.3	16321.9	16941.0	17102.5	16941.0	18233.1	21669.8
47.5°	22773.5	21974.9	20611.0	17784.5	17461.5	17946.0	18735.6	19085.6	17892.2	18098.6	21867.2
50°	22665.8	22208.2	20494.3	18035.7	19004.8	20288.0	20817.4	20673.8	18951.0	17820.4	21651.9
52.5°	22217.2	21723.6	20853.3	18717.7	20449.5	22001.8	22737.6	22378.7	19893.2	18448.5	21508.3
55°	22872.2	22495.3	21319.9	19641.9	21535.2	23509.3	24029.7	23760.5	21050.7	19031.7	22324.8
57.5°	23581.1	23500.3	22585.1	20727.6	22818.4	25061.6	25061.6	24729.6	22055.6	19875.2	23536.2
60°	24604.0	24783.4	23518.2	21445.5	23258.0	24971.9	26273.0	25887.1	23069.6	21355.8	24909.1
62.5°	24272.0	24846.2	24720.6	22988.8	23760.5	25411.5	26120.4	26407.6	24325.8	23159.3	26739.6
65°	23204.2	23814.4	24711.7	24002.8	23383.6	24343.8	24702.7	25573.1	24953.9	24855.2	27493.3
67.5°	21930.0	22594.0	23150.4	24684.7	22620.9	23258.0	22944.0	23222.1	24272.0	26712.6	27924.0
70°	19148.4	19785.5	20664.8	23168.3	20602.0	20027.7	19947.0	19812.4	21445.5	26048.6	25967.9
72.5°	15747.6	16043.7	17497.4	18834.3	15245.1	15137.5	15263.1	15110.5	17003.8	23581.1	22244.1
75°	11790.5	12086.6	12912.2	14464.5	10381.8	9762.6	10480.5	11189.3	12983.9	18304.9	15980.9
77.5°	8865.3	9242.2	9762.6	10821.4	7618.1	6649.0	6747.7	7420.7	9385.8	14661.9	8955.1
80°	5751.7	5706.8	6711.8	7447.6	5733.7	5913.2	5662.0	6155.5	6801.5	7842.4	4576.2
82.5°	3320.0	3364.9	3786.6	4271.2	3993.0	4567.3	3293.1	5500.5	4854.4	3194.4	1704.9
85°	1866.4	1947.1	2333.0	2961.1	2503.5	1678.0	1372.9	2727.8	3050.8	1310.1	825.5
87.5°	188.4	161.5	314.1	1121.6	681.9	278.2	412.8	655.0	735.8	493.5	242.3
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: P599455
 CATALOG NUMBER: IFLD-L-SA8C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0
2.5°	13127.5	13127.5	12903.2	12526.3	12373.8	12104.6	11736.7	11853.3	11727.7	11270.1	11153.4
5°	12589.1	12158.4	11691.8	11117.6	10785.6	10103.6	9888.3	9502.4	9565.2	9179.4	9197.3
7.5°	11467.5	11126.5	10336.9	9583.2	8928.1	8335.9	7501.4	7187.4	6882.3	6729.8	6909.2
10°	10812.5	10175.4	9098.6	8111.6	7241.2	6711.8	6155.5	5724.8	5330.0	5033.9	4971.0
12.5°	10336.9	9771.6	8470.5	7268.1	6586.2	6155.5	5644.0	5051.8	4666.0	4154.5	4002.0
15°	10193.3	9502.4	8129.5	6936.1	6272.1	5563.3	4980.0	4396.8	3894.3	3355.9	3167.5
17.5°	10686.8	9888.3	8120.6	6666.9	5733.7	4971.0	4163.5	3508.4	2997.0	2503.5	2386.8
20°	11521.3	10301.0	8380.8	6505.4	5222.3	4199.4	3284.1	2629.1	2054.8	1731.8	1651.0
22.5°	12472.5	11000.9	8407.7	6074.7	4710.8	3427.7	2395.8	1731.8	1408.8	1256.2	1211.4
25°	13639.0	12122.5	8730.7	5724.8	4109.6	2602.2	1704.9	1328.0	1139.6	1049.8	1031.9
27.5°	14599.1	12903.2	9080.7	5356.9	3517.4	1929.2	1337.0	1085.7	987.0	897.3	888.3
30°	15595.1	13800.5	9179.4	5132.6	3006.0	1588.2	1148.5	960.1	852.4	807.6	798.6
32.5°	16465.5	14778.5	9493.4	4764.7	2521.4	1399.8	1040.9	861.4	789.6	717.8	708.9
35°	17587.1	15343.8	9646.0	4567.3	2342.0	1265.2	951.1	789.6	681.9	637.1	619.1
37.5°	18789.5	15891.2	9744.7	4414.7	2189.4	1184.4	897.3	744.8	646.1	583.2	565.3
40°	19911.1	16662.9	9601.1	4226.3	2072.8	1085.7	861.4	690.9	601.2	538.4	511.5
42.5°	20772.5	17416.6	9556.2	4046.8	1947.1	1049.8	816.5	664.0	565.3	493.5	484.5
45°	21257.0	17928.1	9242.2	3903.3	1848.4	1067.8	798.6	628.1	538.4	475.6	439.7
47.5°	21140.4	18322.9	9323.0	3858.4	1713.8	996.0	789.6	601.2	493.5	439.7	412.8
50°	21786.5	19121.5	9188.4	3714.8	1615.1	897.3	861.4	601.2	484.5	421.7	394.8
52.5°	21894.1	19848.3	9475.5	3454.6	1462.6	825.5	852.4	592.2	466.6	403.8	367.9
55°	22791.4	20691.7	10031.8	3311.0	1337.0	717.8	780.7	574.3	421.7	367.9	349.9
57.5°	24011.8	22441.5	10390.7	3176.4	1166.5	628.1	655.0	565.3	385.8	341.0	314.1
60°	25187.2	23141.4	10417.7	2934.2	1005.0	565.3	511.5	565.3	358.9	305.1	278.2
62.5°	26066.6	23141.4	10238.2	2727.8	879.4	502.5	448.7	538.4	323.0	269.2	251.2
65°	25591.0	22522.2	9771.6	2557.3	798.6	439.7	385.8	412.8	287.1	233.3	215.4
67.5°	24738.6	20593.0	8739.7	2350.9	789.6	385.8	332.0	305.1	251.2	206.4	188.4
70°	23374.7	17990.9	7277.1	2117.6	771.7	349.9	296.1	260.2	224.3	179.5	161.5
72.5°	18834.3	14859.3	5976.0	1983.0	753.7	305.1	251.2	224.3	188.4	152.5	134.6
75°	13046.7	9493.4	4603.2	1695.9	735.8	278.2	233.3	197.4	161.5	125.6	116.6
77.5°	7824.5	6343.9	2970.1	1274.2	484.5	224.3	197.4	152.5	134.6	107.7	98.7
80°	3661.0	2997.0	1202.4	493.5	233.3	161.5	134.6	116.6	107.7	89.7	80.8
82.5°	1435.7	1265.2	583.2	287.1	188.4	125.6	107.7	98.7	89.7	71.8	62.8
85°	771.7	681.9	278.2	197.4	134.6	89.7	89.7	80.8	71.8	62.8	53.8
87.5°	170.5	125.6	116.6	116.6	98.7	71.8	71.8	62.8	53.8	44.9	35.9
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: P599455
 CATALOG NUMBER: IFLD-L-SA8C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0
2.5°	11090.6	11225.2	11009.9	11144.5	10956.0	11099.6	11117.6	10983.0	11018.8	11198.3	11279.1
5°	9448.6	9358.8	9161.4	9098.6	9107.6	8991.0	9035.8	9098.6	9197.3	9251.2	9412.7
7.5°	6810.5	7016.9	7007.9	7160.5	7169.4	7151.5	7025.9	6756.7	6846.4	6774.6	6864.3
10°	4872.3	4962.1	5132.6	5231.3	5410.7	5312.0	5024.9	4917.2	4863.4	4854.4	4944.1
12.5°	3894.3	3678.9	3661.0	3696.9	3786.6	3670.0	3526.4	3400.8	3463.6	3589.2	3687.9
15°	3014.9	2835.5	2602.2	2566.3	2584.2	2530.4	2377.8	2216.3	2261.2	2386.8	2458.6
17.5°	2315.0	2108.7	1947.1	1839.5	1803.6	1615.1	1390.8	1256.2	1220.3	1211.4	1274.2
20°	1561.3	1525.4	1498.5	1363.9	1363.9	1094.7	906.3	807.6	807.6	825.5	834.5
22.5°	1166.5	1121.6	1130.6	1103.7	1031.9	816.5	717.8	690.9	690.9	708.9	708.9
25°	1013.9	951.1	933.2	924.2	852.4	699.9	628.1	601.2	601.2	619.1	619.1
27.5°	861.4	843.5	816.5	780.7	717.8	601.2	556.3	529.4	538.4	547.4	538.4
30°	789.6	744.8	708.9	708.9	637.1	538.4	502.5	484.5	466.6	484.5	493.5
32.5°	699.9	673.0	655.0	628.1	547.4	475.6	439.7	421.7	412.8	412.8	421.7
35°	601.2	601.2	583.2	547.4	475.6	430.7	385.8	367.9	358.9	367.9	367.9
37.5°	538.4	511.5	520.4	484.5	421.7	376.9	332.0	314.1	314.1	305.1	314.1
40°	502.5	457.6	430.7	412.8	376.9	323.0	287.1	269.2	260.2	260.2	260.2
42.5°	448.7	412.8	358.9	349.9	341.0	278.2	233.3	224.3	215.4	206.4	206.4
45°	421.7	367.9	323.0	278.2	278.2	233.3	197.4	179.5	170.5	161.5	170.5
47.5°	385.8	332.0	278.2	233.3	224.3	188.4	152.5	134.6	125.6	125.6	125.6
50°	367.9	296.1	242.3	197.4	170.5	152.5	116.6	98.7	89.7	89.7	89.7
52.5°	341.0	278.2	215.4	170.5	134.6	116.6	89.7	71.8	62.8	62.8	62.8
55°	305.1	251.2	188.4	143.6	116.6	89.7	62.8	44.9	35.9	35.9	35.9
57.5°	287.1	224.3	161.5	125.6	89.7	62.8	35.9	26.9	26.9	17.9	26.9
60°	260.2	197.4	134.6	98.7	71.8	44.9	26.9	9.0	9.0	9.0	9.0
62.5°	224.3	170.5	116.6	80.8	53.8	26.9	9.0	0.0	0.0	0.0	0.0
65°	188.4	134.6	89.7	62.8	35.9	9.0	0.0	0.0	0.0	0.0	0.0
67.5°	161.5	116.6	71.8	44.9	26.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	143.6	98.7	53.8	35.9	9.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	116.6	80.8	44.9	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	98.7	62.8	26.9	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	80.8	44.9	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	62.8	35.9	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	53.8	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	35.9	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	26.9	9.0	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: P599455
 CATALOG NUMBER: IFLD-L-SA8C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0	12634.0
2.5°	11395.7	11341.9	11611.1	12050.7	12275.1	12714.7	12822.4	13100.6	13028.8	13127.5
5°	9430.6	9538.3	9933.1	10579.2	10812.5	11449.6	12050.7	12651.9	13037.8	13226.2
7.5°	6998.9	7357.9	7842.4	8434.6	9035.8	9870.3	10893.2	11593.1	11970.0	12373.8
10°	5213.3	5599.2	6155.5	6738.7	7716.8	8650.0	9672.9	10543.3	10866.3	11243.2
12.5°	4100.7	4701.9	5347.9	5976.0	6559.3	7447.6	8712.8	9978.0	10327.9	10615.1
15°	2853.4	3589.2	4513.4	5330.0	6146.5	6918.2	8228.2	9762.6	10238.2	10722.7
17.5°	1579.2	2162.5	3221.3	4369.9	5572.2	6756.7	8389.8	10157.4	10875.3	11216.3
20°	915.2	1148.5	1902.3	3266.2	4854.4	6406.7	8470.5	10902.2	11853.3	12023.8
22.5°	753.7	834.5	1076.8	2045.8	3975.0	6182.4	8883.3	11943.1	12912.2	13315.9
25°	646.1	708.9	834.5	1229.3	3006.0	5706.8	9143.5	13244.2	14141.5	14581.1
27.5°	574.3	637.1	735.8	906.3	2045.8	5051.8	9574.2	14419.6	15316.9	15918.1
30°	502.5	556.3	655.0	771.7	1417.7	4316.0	9942.1	15281.0	16546.2	16734.7
32.5°	448.7	493.5	565.3	664.0	1049.8	3275.1	10238.2	16169.4	17237.1	17649.9
35°	385.8	439.7	484.5	565.3	798.6	2467.6	10058.7	16860.3	18251.1	18744.6
37.5°	341.0	376.9	421.7	475.6	673.0	1929.2	9690.8	17685.8	19121.5	19579.1
40°	287.1	314.1	367.9	421.7	610.2	1489.5	9269.1	18681.8	20341.8	21149.4
42.5°	242.3	269.2	305.1	394.8	502.5	1103.7	8416.7	19453.5	21328.8	22010.8
45°	188.4	224.3	278.2	394.8	403.8	816.5	7537.3	20027.7	21885.2	22226.1
47.5°	143.6	179.5	269.2	341.0	323.0	565.3	6496.5	20682.8	22459.4	22773.5
50°	107.7	143.6	305.1	296.1	269.2	430.7	5841.4	21140.4	22495.3	22665.8
52.5°	71.8	107.7	251.2	224.3	224.3	376.9	5662.0	21122.5	22585.1	22217.2
55°	53.8	80.8	143.6	161.5	197.4	332.0	5500.5	21795.4	22612.0	22872.2
57.5°	35.9	62.8	98.7	125.6	170.5	287.1	5168.5	22603.0	23446.5	23581.1
60°	17.9	44.9	71.8	98.7	143.6	251.2	4701.9	23195.2	24460.4	24604.0
62.5°	9.0	26.9	53.8	80.8	116.6	197.4	4217.3	22253.1	24020.7	24272.0
65°	0.0	17.9	35.9	53.8	71.8	143.6	3427.7	20090.6	22280.0	23204.2
67.5°	0.0	0.0	17.9	35.9	44.9	107.7	2584.2	18278.0	20673.8	21930.0
70°	0.0	0.0	9.0	9.0	26.9	80.8	1651.0	15137.5	18457.5	19148.4
72.5°	0.0	0.0	0.0	0.0	9.0	53.8	960.1	11243.2	14464.5	15747.6
75°	0.0	0.0	0.0	0.0	0.0	44.9	484.5	7232.2	10067.7	11790.5
77.5°	0.0	0.0	0.0	0.0	0.0	35.9	260.2	4666.0	7420.7	8865.3
80°	0.0	0.0	0.0	0.0	0.0	9.0	152.5	2709.8	4746.7	5751.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	62.8	1328.0	2835.5	3320.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	17.9	708.9	1417.7	1866.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.9	98.7	188.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)