

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: P599470

Luminaire Tested: **IFLD-S-SA6D-735-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: P599470
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6D-735-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (96) 3500K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

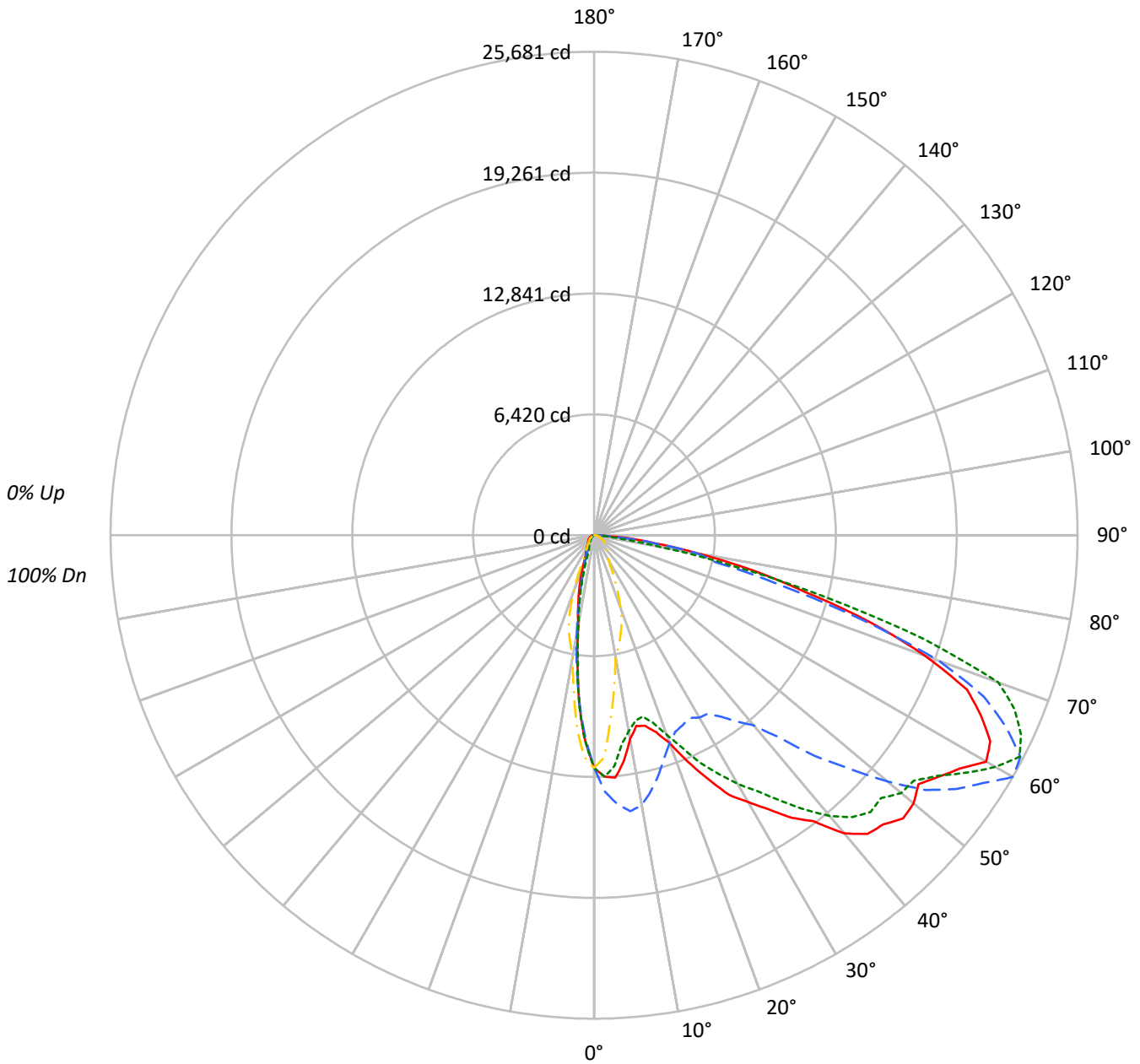
Lumens per Lamp: N/A
 Luminaire Lumens: 32844.8 lumens
 Efficiency: N/A
 Efficacy: 89.2 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 368.2
 Input Voltage (V): 120
 Input Current (A_{in}): 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				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	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79				79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61				61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48				48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39				39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32				32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27				27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23				23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20				20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18				18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16				16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	88619	88619	88619	88619
5°	93127	88642	64760	65138
10°	80079	77012	35407	34576
15°	77866	74021	23001	17333
20°	89752	86001	12324	6162
25°	112850	105558	7987	4792
30°	135541	126311	6468	3924
35°	160508	150596	5302	3150
40°	193655	182316	4683	2383
45°	220477	210864	4362	1602
50°	247337	237741	4308	979
55°	279706	278719	4280	439
60°	345160	353342	3902	126
65°	385126	424741	3574	0
70°	392705	479379	3313	0
75°	319539	353583	3161	0
80°	232331	147880	3261	0
85°	150203	62105	4331	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	938.2	2.9
10°-20°	1839.7	5.6
20°-30°	2545.9	7.8
30°-40°	3598.0	11.0
40°-50°	4898.7	14.9
50°-60°	6488.0	19.8
60°-70°	7533.1	22.9
70°-80°	4266.0	13.0
80°-90°	737.1	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°	5323.8	16.2
0°-40°	8921.8	27.2
0°-60°	20308.5	61.8
0°-90°	32844.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32844.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12349	12349	12349	12349	12349	
5°	12928	12306	8990	9043	12928	1161
15°	10481	9964	3096	2333	10481	3074
25°	14253	13332	1009	605	14253	6647
35°	18322	17191	605	360	18322	11551
45°	21726	20778	430	158	21726	16844
55°	22357	22278	342	35	22357	20256
65°	22682	25015	210	0	22682	22110
75°	11525	12753	114	0	11525	12578
85°	1824	754	53	0	1824	2192
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4
2.5°	12831.8	13103.7	13112.5	13235.3	13358.1	13358.1	13647.5	13577.3	13323.0	13279.1	13094.9
5°	12928.3	13024.8	13094.9	13717.7	14243.9	14191.3	14349.2	14243.9	13752.8	13121.3	12691.5
7.5°	12095.1	12200.3	12481.0	13542.3	14252.7	14489.5	14787.7	14129.9	13612.4	12472.2	11647.7
10°	10989.9	11191.7	11709.1	12919.5	13796.6	14550.9	14550.9	14024.7	13024.8	11910.9	10902.2
12.5°	10376.0	10779.4	11060.1	12288.0	13428.2	13945.7	13928.2	13647.5	12998.5	11595.1	10454.9
15°	10481.2	10595.2	11191.7	12147.7	12902.0	12875.7	13191.4	13103.7	12647.6	11875.8	10621.5
17.5°	10963.6	11139.0	11656.5	12147.7	12507.3	12402.0	12393.3	12814.3	12840.6	12349.4	11244.3
20°	11753.0	12270.5	12516.1	12665.2	12226.6	11779.3	11726.7	12314.3	12770.4	12954.6	11989.8
22.5°	13016.0	13358.1	13858.0	13094.9	11954.7	11393.4	11288.1	11937.2	12858.1	13673.8	12954.6
25°	14252.7	14515.8	14998.2	14015.9	12261.7	11314.4	11130.3	11691.6	13191.4	14673.7	14121.1
27.5°	15559.6	15787.6	15840.2	14691.2	12428.4	11156.6	10937.3	11691.6	13472.1	15200.0	15515.7
30°	16357.7	16629.6	16682.2	15287.7	12700.2	11288.1	11182.9	11744.2	13665.0	15647.3	16515.6
32.5°	17252.3	17322.5	17278.7	15392.9	12998.5	11674.1	11235.5	12095.1	13884.3	16182.3	17427.8
35°	18322.4	18445.2	17997.9	15875.3	13665.0	11919.6	11761.8	12524.8	14261.5	16427.9	18532.9
37.5°	19138.1	19524.0	18515.4	16059.5	13796.6	12437.1	12463.4	13419.5	14524.6	16726.1	19752.0
40°	20673.0	20023.9	19392.4	16691.0	14296.6	13314.2	13173.9	14340.4	15410.5	16919.0	20550.2
42.5°	21515.0	21172.9	19734.5	16752.4	15068.4	14524.6	14559.7	15384.1	15875.3	17462.8	20769.5
45°	21725.5	21365.9	20199.4	16796.3	15831.5	15954.3	16559.4	16717.3	16559.4	17822.4	21181.7
47.5°	22260.5	21479.9	20146.7	17383.9	17068.2	17541.8	18313.6	18655.7	17489.2	17690.9	21374.7
50°	22155.3	21708.0	20032.7	17629.5	18576.7	19831.0	20348.5	20208.1	18524.1	17419.0	21164.2
52.5°	21716.7	21234.3	20383.5	18296.1	19988.9	21506.2	22225.4	21874.6	19445.1	18033.0	21023.8
55°	22357.0	21988.6	20839.6	19199.5	21050.1	22979.7	23488.4	23225.3	20576.5	18603.1	21822.0
57.5°	23049.9	22971.0	22076.3	20260.8	22304.4	24497.1	24497.1	24172.6	21558.8	19427.5	23006.0
60°	24049.8	24225.2	22988.5	20962.4	22734.1	24409.4	25681.2	25304.0	22550.0	20874.7	24348.0
62.5°	23725.3	24286.6	24163.8	22471.0	23225.3	24839.2	25532.1	25812.7	23777.9	22637.7	26137.3
65°	22681.5	23277.9	24155.0	23462.1	22856.9	23795.4	24146.3	24997.0	24391.8	24295.4	26874.0
67.5°	21436.1	22085.1	22628.9	24128.7	22111.4	22734.1	22427.2	22699.1	23725.3	26110.9	27295.0
70°	18717.1	19339.8	20199.4	22646.4	20138.0	19576.6	19497.7	19366.1	20962.4	25461.9	25383.0
72.5°	15392.9	15682.4	17103.2	18410.1	14901.7	14796.5	14919.3	14770.2	16620.8	23049.9	21743.0
75°	11525.0	11814.4	12621.3	14138.7	10147.9	9542.7	10244.4	10937.3	12691.5	17892.6	15621.0
77.5°	8665.6	9034.0	9542.7	10577.7	7446.5	6499.2	6595.7	7253.5	9174.4	14331.6	8753.3
80°	5622.1	5578.3	6560.6	7279.8	5604.6	5780.0	5534.4	6016.8	6648.3	7665.8	4473.2
82.5°	3245.2	3289.1	3701.3	4174.9	3903.0	4464.4	3218.9	5376.6	4745.1	3122.4	1666.5
85°	1824.3	1903.3	2280.4	2894.4	2447.1	1640.2	1341.9	2666.4	2982.1	1280.6	806.9
87.5°	184.2	157.9	307.0	1096.4	666.6	271.9	403.5	640.3	719.2	482.4	236.8
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°	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4
2.5°	12831.8	12831.8	12612.5	12244.2	12095.1	11831.9	11472.3	11586.3	11463.6	11016.2	10902.2
5°	12305.6	11884.6	11428.5	10867.1	10542.6	9876.0	9665.5	9288.4	9349.8	8972.6	8990.2
7.5°	11209.2	10875.9	10104.1	9367.3	8727.0	8148.2	7332.5	7025.5	6727.3	6578.2	6753.6
10°	10568.9	9946.2	8893.7	7928.9	7078.1	6560.6	6016.8	5595.8	5209.9	4920.5	4859.1
12.5°	10104.1	9551.5	8279.7	7104.4	6437.8	6016.8	5516.9	4938.0	4560.9	4060.9	3911.8
15°	9963.7	9288.4	7946.4	6779.9	6130.9	5438.0	4867.8	4297.7	3806.6	3280.3	3096.1
17.5°	10446.1	9665.5	7937.7	6516.8	5604.6	4859.1	4069.7	3429.4	2929.5	2447.1	2333.1
20°	11261.8	10069.0	8192.0	6358.9	5104.7	4104.8	3210.1	2569.9	2008.5	1692.8	1613.8
22.5°	12191.5	10753.1	8218.3	5937.9	4604.7	3350.5	2341.8	1692.8	1377.0	1227.9	1184.1
25°	13331.8	11849.5	8534.1	5595.8	4017.1	2543.6	1666.5	1298.1	1113.9	1026.2	1008.7
27.5°	14270.2	12612.5	8876.1	5236.2	3438.2	1885.7	1306.9	1061.3	964.8	877.1	868.3
30°	15243.8	13489.6	8972.6	5016.9	2938.2	1552.4	1122.7	938.5	833.2	789.4	780.6
32.5°	16094.6	14445.7	9279.6	4657.3	2464.6	1368.3	1017.4	842.0	771.8	701.7	692.9
35°	17190.9	14998.2	9428.7	4464.4	2289.2	1236.7	929.7	771.8	666.6	622.7	605.2
37.5°	18366.2	15533.2	9525.2	4315.3	2140.1	1157.8	877.1	728.0	631.5	570.1	552.6
40°	19462.6	16287.5	9384.9	4131.1	2026.1	1061.3	842.0	675.4	587.6	526.3	499.9
42.5°	20304.6	17024.3	9341.0	3955.7	1903.3	1026.2	798.2	649.0	552.6	482.4	473.6
45°	20778.2	17524.2	9034.0	3815.3	1806.8	1043.7	780.6	614.0	526.3	464.9	429.8
47.5°	20664.2	17910.2	9113.0	3771.5	1675.2	973.6	771.8	587.6	482.4	429.8	403.5
50°	21295.7	18690.8	8981.4	3631.1	1578.8	877.1	842.0	587.6	473.6	412.2	385.9
52.5°	21401.0	19401.2	9262.1	3376.8	1429.7	806.9	833.2	578.9	456.1	394.7	359.6
55°	22278.1	20225.7	9805.9	3236.5	1306.9	701.7	763.1	561.3	412.2	359.6	342.1
57.5°	23470.9	21936.0	10156.7	3104.9	1140.2	614.0	640.3	552.6	377.1	333.3	307.0
60°	24619.9	22620.1	10183.0	2868.1	982.3	552.6	499.9	552.6	350.8	298.2	271.9
62.5°	25479.4	22620.1	10007.6	2666.4	859.5	491.2	438.5	526.3	315.8	263.1	245.6
65°	25014.6	22014.9	9551.5	2499.7	780.6	429.8	377.1	403.5	280.7	228.0	210.5
67.5°	24181.3	20129.2	8542.8	2298.0	771.8	377.1	324.5	298.2	245.6	201.7	184.2
70°	22848.2	17585.6	7113.2	2069.9	754.3	342.1	289.4	254.4	219.3	175.4	157.9
72.5°	18410.1	14524.6	5841.4	1938.4	736.8	298.2	245.6	219.3	184.2	149.1	131.6
75°	12752.9	9279.6	4499.5	1657.7	719.2	271.9	228.0	193.0	157.9	122.8	114.0
77.5°	7648.2	6201.0	2903.2	1245.5	473.6	219.3	193.0	149.1	131.6	105.3	96.5
80°	3578.5	2929.5	1175.3	482.4	228.0	157.9	131.6	114.0	105.3	87.7	78.9
82.5°	1403.3	1236.7	570.1	280.7	184.2	122.8	105.3	96.5	87.7	70.2	61.4
85°	754.3	666.6	271.9	193.0	131.6	87.7	87.7	78.9	70.2	61.4	52.6
87.5°	166.6	122.8	114.0	114.0	96.5	70.2	70.2	61.4	52.6	43.9	35.1
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°	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4
2.5°	10840.8	10972.4	10761.9	10893.4	10709.3	10849.6	10867.1	10735.6	10770.7	10946.1	11025.0
5°	9235.7	9148.0	8955.1	8893.7	8902.5	8788.4	8832.3	8893.7	8990.2	9042.8	9200.7
7.5°	6657.1	6858.8	6850.1	6999.2	7007.9	6990.4	6867.6	6604.5	6692.2	6622.0	6709.7
10°	4762.6	4850.3	5016.9	5113.4	5288.8	5192.4	4911.7	4806.4	4753.8	4745.1	4832.8
12.5°	3806.6	3596.1	3578.5	3613.6	3701.3	3587.3	3447.0	3324.2	3385.6	3508.4	3604.8
15°	2947.0	2771.6	2543.6	2508.5	2526.0	2473.4	2324.3	2166.4	2210.3	2333.1	2403.2
17.5°	2262.9	2061.2	1903.3	1798.0	1762.9	1578.8	1359.5	1227.9	1192.8	1184.1	1245.5
20°	1526.1	1491.1	1464.7	1333.2	1333.2	1070.0	885.9	789.4	789.4	806.9	815.7
22.5°	1140.2	1096.4	1105.1	1078.8	1008.7	798.2	701.7	675.4	675.4	692.9	692.9
25°	991.1	929.7	912.2	903.4	833.2	684.1	614.0	587.6	587.6	605.2	605.2
27.5°	842.0	824.5	798.2	763.1	701.7	587.6	543.8	517.5	526.3	535.0	526.3
30°	771.8	728.0	692.9	692.9	622.7	526.3	491.2	473.6	456.1	473.6	482.4
32.5°	684.1	657.8	640.3	614.0	535.0	464.9	429.8	412.2	403.5	403.5	412.2
35°	587.6	587.6	570.1	535.0	464.9	421.0	377.1	359.6	350.8	359.6	359.6
37.5°	526.3	499.9	508.7	473.6	412.2	368.4	324.5	307.0	307.0	298.2	307.0
40°	491.2	447.3	421.0	403.5	368.4	315.8	280.7	263.1	254.4	254.4	254.4
42.5°	438.5	403.5	350.8	342.1	333.3	271.9	228.0	219.3	210.5	201.7	201.7
45°	412.2	359.6	315.8	271.9	271.9	228.0	193.0	175.4	166.6	157.9	166.6
47.5°	377.1	324.5	271.9	228.0	219.3	184.2	149.1	131.6	122.8	122.8	122.8
50°	359.6	289.4	236.8	193.0	166.6	149.1	114.0	96.5	87.7	87.7	87.7
52.5°	333.3	271.9	210.5	166.6	131.6	114.0	87.7	70.2	61.4	61.4	61.4
55°	298.2	245.6	184.2	140.3	114.0	87.7	61.4	43.9	35.1	35.1	35.1
57.5°	280.7	219.3	157.9	122.8	87.7	61.4	35.1	26.3	26.3	17.5	26.3
60°	254.4	193.0	131.6	96.5	70.2	43.9	26.3	8.8	8.8	8.8	8.8
62.5°	219.3	166.6	114.0	78.9	52.6	26.3	8.8	0.0	0.0	0.0	0.0
65°	184.2	131.6	87.7	61.4	35.1	8.8	0.0	0.0	0.0	0.0	0.0
67.5°	157.9	114.0	70.2	43.9	26.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	140.3	96.5	52.6	35.1	8.8	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	114.0	78.9	43.9	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	96.5	61.4	26.3	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	78.9	43.9	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	61.4	35.1	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	52.6	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	35.1	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	26.3	8.8	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: P599470
 CATALOG NUMBER: IFLD-S-SA6D-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4	12349.4
2.5°	11139.0	11086.4	11349.5	11779.3	11998.6	12428.4	12533.6	12805.5	12735.3	12831.8
5°	9218.2	9323.5	9709.4	10340.9	10568.9	11191.7	11779.3	12367.0	12744.1	12928.3
7.5°	6841.3	7192.1	7665.8	8244.6	8832.3	9648.0	10647.9	11332.0	11700.4	12095.1
10°	5095.9	5473.0	6016.8	6586.9	7543.0	8455.1	9455.0	10305.8	10621.5	10989.9
12.5°	4008.3	4595.9	5227.5	5841.4	6411.5	7279.8	8516.5	9753.2	10095.3	10376.0
15°	2789.1	3508.4	4411.8	5209.9	6008.1	6762.4	8042.9	9542.7	10007.6	10481.2
17.5°	1543.7	2113.8	3148.7	4271.4	5446.7	6604.5	8200.8	9928.6	10630.3	10963.6
20°	894.6	1122.7	1859.4	3192.6	4745.1	6262.4	8279.7	10656.6	11586.3	11753.0
22.5°	736.8	815.7	1052.5	1999.8	3885.5	6043.1	8683.2	11674.1	12621.3	13016.0
25°	631.5	692.9	815.7	1201.6	2938.2	5578.3	8937.5	12945.8	13822.9	14252.7
27.5°	561.3	622.7	719.2	885.9	1999.8	4938.0	9358.5	14094.8	14971.9	15559.6
30°	491.2	543.8	640.3	754.3	1385.8	4218.8	9718.1	14936.8	16173.5	16357.7
32.5°	438.5	482.4	552.6	649.0	1026.2	3201.4	10007.6	15805.1	16848.9	17252.3
35°	377.1	429.8	473.6	552.6	780.6	2412.0	9832.2	16480.5	17840.0	18322.4
37.5°	333.3	368.4	412.2	464.9	657.8	1885.7	9472.6	17287.4	18690.8	19138.1
40°	280.7	307.0	359.6	412.2	596.4	1456.0	9060.3	18261.0	19883.6	20673.0
42.5°	236.8	263.1	298.2	385.9	491.2	1078.8	8227.1	19015.3	20848.4	21515.0
45°	184.2	219.3	271.9	385.9	394.7	798.2	7367.5	19576.6	21392.2	21725.5
47.5°	140.3	175.4	263.1	333.3	315.8	552.6	6350.1	20216.9	21953.5	22260.5
50°	105.3	140.3	298.2	289.4	263.1	421.0	5709.8	20664.2	21988.6	22155.3
52.5°	70.2	105.3	245.6	219.3	219.3	368.4	5534.4	20646.7	22076.3	21716.7
55°	52.6	78.9	140.3	157.9	193.0	324.5	5376.6	21304.5	22102.6	22357.0
57.5°	35.1	61.4	96.5	122.8	166.6	280.7	5052.0	22093.9	22918.3	23049.9
60°	17.5	43.9	70.2	96.5	140.3	245.6	4595.9	22672.8	23909.4	24049.8
62.5°	8.8	26.3	52.6	78.9	114.0	193.0	4122.3	21751.8	23479.7	23725.3
65°	0.0	17.5	35.1	52.6	70.2	140.3	3350.5	19638.0	21778.1	22681.5
67.5°	0.0	0.0	17.5	35.1	43.9	105.3	2526.0	17866.3	20208.1	21436.1
70°	0.0	0.0	8.8	8.8	26.3	78.9	1613.8	14796.5	18041.7	18717.1
72.5°	0.0	0.0	0.0	0.0	8.8	52.6	938.5	10989.9	14138.7	15392.9
75°	0.0	0.0	0.0	0.0	0.0	43.9	473.6	7069.3	9840.9	11525.0
77.5°	0.0	0.0	0.0	0.0	0.0	35.1	254.4	4560.9	7253.5	8665.6
80°	0.0	0.0	0.0	0.0	0.0	8.8	149.1	2648.8	4639.8	5622.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	61.4	1298.1	2771.6	3245.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	17.5	692.9	1385.8	1824.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.3	96.5	184.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)