

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: P599427

Luminaire Tested: **IFLD-L-SA8D-727-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: P599427
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8D-727-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (128) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

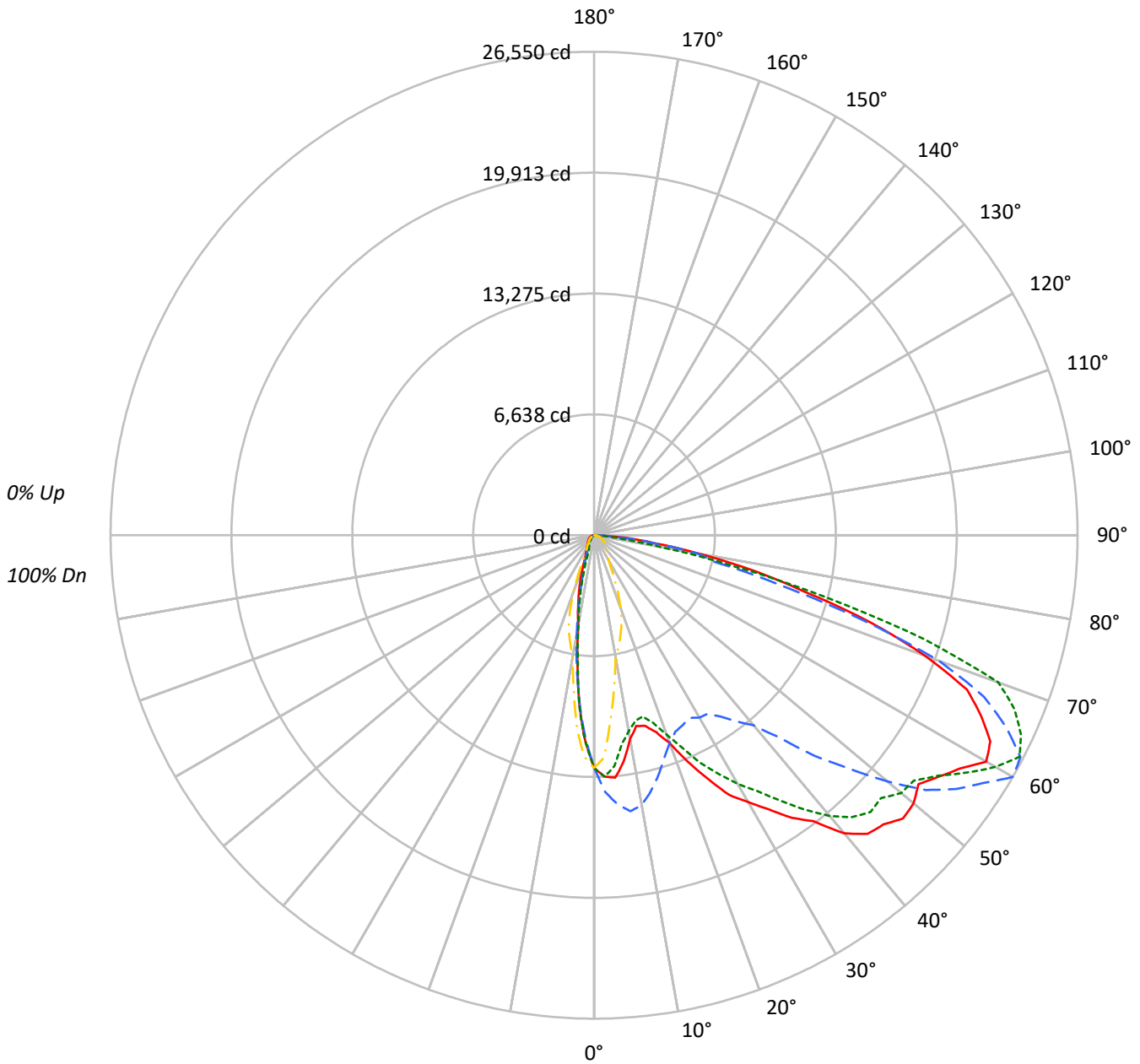
Lumens per Lamp: N/A
 Luminaire Lumens: 33956.5 lumens
 Efficiency: N/A
 Efficacy: 69.5 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 488.3
 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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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	102	102	102	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	86	83	81	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	72	67	63	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	61	55	50	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	53	46	41	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	46	40	34	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	41	35	29	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	37	31	25	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	34	27	22	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	31	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	68714	68714	68714	68714
5°	72209	68731	50213	50508
10°	62093	59714	27453	26810
15°	60376	57395	17835	13439
20°	69592	66684	9556	4778
25°	87502	81848	6192	3716
30°	105097	97940	5015	3043
35°	124455	116770	4111	2443
40°	150157	141365	3632	1848
45°	170954	163501	3382	1242
50°	191781	184341	3341	759
55°	216879	216114	3318	341
60°	267632	273976	3026	98
65°	298621	329337	2771	0
70°	304497	371703	2568	0
75°	247764	274162	2452	0
80°	180146	114663	2529	0
85°	116469	48153	3359	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	969.9	2.9
10°-20°	1902.0	5.6
20°-30°	2632.1	7.8
30°-40°	3719.8	11.0
40°-50°	5064.5	14.9
50°-60°	6707.6	19.8
60°-70°	7788.1	22.9
70°-80°	4410.4	13.0
80°-90°	762.1	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°	5504.0	16.2
0°-40°	9223.7	27.2
0°-60°	20995.9	61.8
0°-90°	33956.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33956.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12767	12767	12767	12767	12767	
5°	13366	12722	9294	9349	13366	1200
15°	10836	10301	3201	2412	10836	3178
25°	14735	13783	1043	626	14735	6872
35°	18942	17773	626	372	18942	11942
45°	22461	21482	444	163	22461	17414
55°	23114	23032	354	36	23114	20941
65°	23449	25861	218	0	23449	22859
75°	11915	13184	118	0	11915	13004
85°	1886	780	54	0	1886	2266
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°	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4
2.5°	13266.1	13547.2	13556.3	13683.2	13810.2	13810.2	14109.4	14036.9	13773.9	13728.6	13538.2
5°	13365.9	13465.6	13538.2	14182.0	14726.0	14671.6	14834.8	14726.0	14218.2	13565.4	13121.0
7.5°	12504.4	12613.2	12903.4	14000.6	14735.1	14979.9	15288.2	14608.1	14073.2	12894.3	12042.0
10°	11361.9	11570.5	12105.4	13356.8	14263.6	15043.4	15043.4	14499.3	13465.6	12314.0	11271.2
12.5°	10727.2	11144.3	11434.4	12703.9	13882.7	14417.7	14399.6	14109.4	13438.4	11987.6	10808.8
15°	10836.0	10953.8	11570.5	12558.8	13338.7	13311.5	13637.9	13547.2	13075.7	12277.7	10981.0
17.5°	11334.7	11516.0	12051.0	12558.8	12930.6	12821.8	12812.7	13248.0	13275.2	12767.4	11624.9
20°	12150.8	12685.8	12939.7	13093.8	12640.4	12178.0	12123.6	12731.1	13202.6	13393.1	12395.6
22.5°	13456.5	13810.2	14327.0	13538.2	12359.3	11779.0	11670.2	12341.2	13293.3	14136.6	13393.1
25°	14735.1	15007.1	15505.9	14490.3	12676.7	11697.4	11507.0	12087.3	13637.9	15170.3	14599.1
27.5°	16086.2	16322.0	16376.4	15188.5	12849.0	11534.2	11307.5	12087.3	13928.1	15714.4	16040.9
30°	16911.4	17192.5	17246.9	15805.1	13130.1	11670.2	11561.4	12141.7	14127.6	16176.9	17074.6
32.5°	17836.3	17908.8	17863.5	15913.9	13438.4	12069.2	11615.8	12504.4	14354.3	16730.0	18017.6
35°	18942.5	19069.5	18607.0	16412.6	14127.6	12323.1	12159.9	12948.8	14744.2	16983.9	19160.2
37.5°	19785.8	20184.8	19142.0	16603.1	14263.6	12858.1	12885.3	13873.7	15016.2	17292.2	20420.6
40°	21372.7	20701.7	20048.8	17255.9	14780.4	13764.8	13619.8	14825.8	15932.0	17491.7	21245.7
42.5°	22243.2	21889.6	20402.4	17319.4	15578.4	15016.2	15052.5	15904.8	16412.6	18053.9	21472.4
45°	22460.8	22089.0	20883.0	17364.7	16367.3	16494.2	17119.9	17283.1	17119.9	18425.7	21898.6
47.5°	23014.0	22206.9	20828.6	17972.3	17645.8	18135.5	18933.5	19287.1	18081.1	18289.7	22098.1
50°	22905.1	22442.7	20710.7	18226.2	19205.5	20502.2	21037.2	20892.1	19151.1	18008.6	21880.5
52.5°	22451.8	21953.0	21073.5	18915.3	20665.4	22234.1	22977.7	22615.0	20103.2	18643.3	21735.4
55°	23113.7	22732.9	21545.0	19849.3	21762.6	23757.5	24283.4	24011.4	21272.9	19232.7	22560.6
57.5°	23830.1	23748.4	22823.5	20946.5	23059.3	25326.2	25326.2	24990.7	22288.5	20085.1	23784.7
60°	24863.8	25045.1	23766.6	21671.9	23503.6	25235.6	26550.4	26160.5	23313.2	21581.3	25172.1
62.5°	24528.3	25108.6	24981.7	23231.6	24011.4	25679.9	26396.2	26686.4	24582.7	23403.9	27021.9
65°	23449.2	24065.8	24972.6	24256.2	23630.6	24600.8	24963.5	25843.1	25217.4	25117.7	27783.6
67.5°	22161.6	22832.6	23394.8	24945.4	22859.8	23503.6	23186.2	23467.3	24528.3	26994.7	28218.8
70°	19350.6	19994.4	20883.0	23412.9	20819.6	20239.2	20157.6	20021.6	21671.9	26323.7	26242.1
72.5°	15913.9	16213.1	17682.1	19033.2	15406.1	15297.3	15424.2	15270.1	17183.4	23830.1	22479.0
75°	11915.0	12214.3	13048.5	14617.2	10491.4	9865.7	10591.1	11307.5	13121.0	18498.2	16149.7
77.5°	8958.9	9339.8	9865.7	10935.7	7698.5	6719.2	6818.9	7499.0	9484.9	14816.7	9049.6
80°	5812.4	5767.1	6782.7	7526.2	5794.3	5975.6	5721.8	6220.5	6873.4	7925.2	4624.6
82.5°	3355.1	3400.4	3826.6	4316.3	4035.1	4615.5	3327.9	5558.5	4905.7	3228.1	1722.9
85°	1886.1	1967.7	2357.6	2992.4	2529.9	1695.7	1387.4	2756.6	3083.0	1323.9	834.2
87.5°	190.4	163.2	317.4	1133.5	689.1	281.1	417.1	661.9	743.6	498.7	244.8
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°	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4
2.5°	13266.1	13266.1	13039.4	12658.6	12504.4	12232.4	11860.6	11978.5	11851.6	11389.1	11271.2
5°	12722.1	12286.8	11815.3	11234.9	10899.4	10210.3	9992.7	9602.7	9666.2	9276.3	9294.4
7.5°	11588.6	11244.0	10446.1	9684.4	9022.4	8423.9	7580.6	7263.3	6955.0	6800.8	6982.2
10°	10926.6	10282.8	9194.7	8197.2	7317.7	6782.7	6220.5	5785.2	5386.2	5087.0	5023.5
12.5°	10446.1	9874.8	8560.0	7344.9	6655.7	6220.5	5703.6	5105.1	4715.2	4198.4	4044.2
15°	10301.0	9602.7	8215.4	7009.4	6338.4	5622.0	5032.6	4443.2	3935.4	3391.3	3200.9
17.5°	10799.7	9992.7	8206.3	6737.3	5794.3	5023.5	4207.4	3545.5	3028.6	2529.9	2412.0
20°	11643.0	10409.8	8469.3	6574.1	5277.4	4243.7	3318.8	2656.9	2076.5	1750.1	1668.5
22.5°	12604.2	11117.1	8496.5	6138.9	4760.6	3463.9	2421.1	1750.1	1423.6	1269.5	1224.1
25°	13783.0	12250.5	8822.9	5785.2	4153.0	2629.6	1722.9	1342.0	1151.6	1060.9	1042.8
27.5°	14753.2	13039.4	9176.6	5413.4	3554.6	1949.6	1351.1	1097.2	997.5	906.8	897.7
30°	15759.8	13946.2	9276.3	5186.8	3037.7	1605.0	1160.7	970.2	861.4	816.1	807.0
32.5°	16639.3	14934.6	9593.7	4815.0	2548.0	1414.6	1051.9	870.5	798.0	725.4	716.4
35°	17772.8	15505.9	9747.8	4615.5	2366.7	1278.6	961.2	798.0	689.1	643.8	625.7
37.5°	18987.9	16059.0	9847.6	4461.3	2212.5	1196.9	906.8	752.6	652.9	589.4	571.3
40°	20121.3	16838.8	9702.5	4270.9	2094.7	1097.2	870.5	698.2	607.5	544.1	516.9
42.5°	20991.8	17600.5	9657.2	4089.6	1967.7	1060.9	825.2	671.0	571.3	498.7	489.7
45°	21481.5	18117.4	9339.8	3944.5	1868.0	1079.1	807.0	634.7	544.1	480.6	444.3
47.5°	21363.6	18516.3	9421.4	3899.1	1731.9	1006.5	798.0	607.5	498.7	444.3	417.1
50°	22016.5	19323.4	9285.4	3754.0	1632.2	906.8	870.5	607.5	489.7	426.2	399.0
52.5°	22125.3	20057.9	9575.5	3491.1	1478.0	834.2	861.4	598.5	471.5	408.0	371.8
55°	23032.1	20910.2	10137.7	3346.0	1351.1	725.4	788.9	580.3	426.2	371.8	353.6
57.5°	24265.3	22678.4	10500.5	3210.0	1178.8	634.7	661.9	571.3	389.9	344.6	317.4
60°	25453.2	23385.7	10527.7	2965.2	1015.6	571.3	516.9	571.3	362.7	308.3	281.1
62.5°	26341.8	23385.7	10346.3	2756.6	888.6	507.8	453.4	544.1	326.4	272.0	253.9
65°	25861.2	22760.1	9874.8	2584.3	807.0	444.3	389.9	417.1	290.2	235.8	217.6
67.5°	24999.8	20810.5	8832.0	2375.8	798.0	389.9	335.5	308.3	253.9	208.6	190.4
70°	23621.5	18180.8	7353.9	2140.0	779.8	353.6	299.2	263.0	226.7	181.4	163.2
72.5°	19033.2	15016.2	6039.1	2004.0	761.7	308.3	253.9	226.7	190.4	154.2	136.0
75°	13184.5	9593.7	4651.8	1713.8	743.6	281.1	235.8	199.5	163.2	126.9	117.9
77.5°	7907.1	6410.9	3001.4	1287.6	489.7	226.7	199.5	154.2	136.0	108.8	99.7
80°	3699.6	3028.6	1215.1	498.7	235.8	163.2	136.0	117.9	108.8	90.7	81.6
82.5°	1450.8	1278.6	589.4	290.2	190.4	126.9	108.8	99.7	90.7	72.5	63.5
85°	779.8	689.1	281.1	199.5	136.0	90.7	90.7	81.6	72.5	63.5	54.4
87.5°	172.3	126.9	117.9	117.9	99.7	72.5	72.5	63.5	54.4	45.3	36.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4
2.5°	11207.7	11343.8	11126.1	11262.1	11071.7	11216.8	11234.9	11098.9	11135.2	11316.6	11398.2
5°	9548.3	9457.7	9258.2	9194.7	9203.8	9085.9	9131.2	9194.7	9294.4	9348.9	9512.1
7.5°	6882.4	7091.0	7081.9	7236.1	7245.1	7227.0	7100.0	6828.0	6918.7	6846.2	6936.8
10°	4923.8	5014.5	5186.8	5286.5	5467.9	5368.1	5077.9	4969.1	4914.7	4905.7	4996.3
12.5°	3935.4	3717.8	3699.6	3735.9	3826.6	3708.7	3563.6	3436.7	3500.2	3627.1	3726.8
15°	3046.8	2865.4	2629.6	2593.4	2611.5	2557.1	2403.0	2239.7	2285.1	2412.0	2484.6
17.5°	2339.5	2130.9	1967.7	1858.9	1822.6	1632.2	1405.5	1269.5	1233.2	1224.1	1287.6
20°	1577.8	1541.5	1514.3	1378.3	1378.3	1106.3	915.8	816.1	816.1	834.2	843.3
22.5°	1178.8	1133.5	1142.5	1115.3	1042.8	825.2	725.4	698.2	698.2	716.4	716.4
25°	1024.7	961.2	943.0	934.0	861.4	707.3	634.7	607.5	607.5	625.7	625.7
27.5°	870.5	852.4	825.2	788.9	725.4	607.5	562.2	535.0	544.1	553.1	544.1
30°	798.0	752.6	716.4	716.4	643.8	544.1	507.8	489.7	471.5	489.7	498.7
32.5°	707.3	680.1	661.9	634.7	553.1	480.6	444.3	426.2	417.1	417.1	426.2
35°	607.5	607.5	589.4	553.1	480.6	435.3	389.9	371.8	362.7	371.8	371.8
37.5°	544.1	516.9	525.9	489.7	426.2	380.8	335.5	317.4	317.4	308.3	317.4
40°	507.8	462.5	435.3	417.1	380.8	326.4	290.2	272.0	263.0	263.0	263.0
42.5°	453.4	417.1	362.7	353.6	344.6	281.1	235.8	226.7	217.6	208.6	208.6
45°	426.2	371.8	326.4	281.1	281.1	235.8	199.5	181.4	172.3	163.2	172.3
47.5°	389.9	335.5	281.1	235.8	226.7	190.4	154.2	136.0	126.9	126.9	126.9
50°	371.8	299.2	244.8	199.5	172.3	154.2	117.9	99.7	90.7	90.7	90.7
52.5°	344.6	281.1	217.6	172.3	136.0	117.9	90.7	72.5	63.5	63.5	63.5
55°	308.3	253.9	190.4	145.1	117.9	90.7	63.5	45.3	36.3	36.3	36.3
57.5°	290.2	226.7	163.2	126.9	90.7	63.5	36.3	27.2	27.2	18.1	27.2
60°	263.0	199.5	136.0	99.7	72.5	45.3	27.2	9.1	9.1	9.1	9.1
62.5°	226.7	172.3	117.9	81.6	54.4	27.2	9.1	0.0	0.0	0.0	0.0
65°	190.4	136.0	90.7	63.5	36.3	9.1	0.0	0.0	0.0	0.0	0.0
67.5°	163.2	117.9	72.5	45.3	27.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	145.1	99.7	54.4	36.3	9.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	117.9	81.6	45.3	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	99.7	63.5	27.2	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	81.6	45.3	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	63.5	36.3	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	54.4	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	36.3	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	27.2	9.1	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: P599427
 CATALOG NUMBER: IFLD-L-SA8D-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4	12767.4
2.5°	11516.0	11461.6	11733.7	12178.0	12404.7	12849.0	12957.8	13238.9	13166.4	13266.1
5°	9530.2	9639.0	10038.0	10690.9	10926.6	11570.5	12178.0	12785.5	13175.4	13365.9
7.5°	7072.8	7435.6	7925.2	8523.7	9131.2	9974.5	11008.3	11715.5	12096.4	12504.4
10°	5268.4	5658.3	6220.5	6809.9	7798.3	8741.3	9775.0	10654.6	10981.0	11361.9
12.5°	4144.0	4751.5	5404.4	6039.1	6628.5	7526.2	8804.8	10083.3	10437.0	10727.2
15°	2883.5	3627.1	4561.1	5386.2	6211.4	6991.2	8315.1	9865.7	10346.3	10836.0
17.5°	1595.9	2185.3	3255.3	4416.0	5631.1	6828.0	8478.3	10264.7	10990.1	11334.7
20°	924.9	1160.7	1922.4	3300.7	4905.7	6474.4	8560.0	11017.3	11978.5	12150.8
22.5°	761.7	843.3	1088.1	2067.4	4017.0	6247.7	8977.1	12069.2	13048.5	13456.5
25°	652.9	716.4	843.3	1242.3	3037.7	5767.1	9240.0	13384.0	14290.8	14735.1
27.5°	580.3	643.8	743.6	915.8	2067.4	5105.1	9675.3	14571.9	15478.7	16086.2
30°	507.8	562.2	661.9	779.8	1432.7	4361.6	10047.1	15442.4	16720.9	16911.4
32.5°	453.4	498.7	571.3	671.0	1060.9	3309.7	10346.3	16340.1	17419.2	17836.3
35°	389.9	444.3	489.7	571.3	807.0	2493.6	10165.0	17038.3	18443.8	18942.5
37.5°	344.6	380.8	426.2	480.6	680.1	1949.6	9793.2	17872.5	19323.4	19785.8
40°	290.2	317.4	371.8	426.2	616.6	1505.2	9367.0	18879.1	20556.6	21372.7
42.5°	244.8	272.0	308.3	399.0	507.8	1115.3	8505.6	19658.9	21554.0	22243.2
45°	190.4	226.7	281.1	399.0	408.0	825.2	7616.9	20239.2	22116.2	22460.8
47.5°	145.1	181.4	272.0	344.6	326.4	571.3	6565.1	20901.2	22696.6	23014.0
50°	108.8	145.1	308.3	299.2	272.0	435.3	5903.1	21363.6	22732.9	22905.1
52.5°	72.5	108.8	253.9	226.7	226.7	380.8	5721.8	21345.5	22823.5	22451.8
55°	54.4	81.6	145.1	163.2	199.5	335.5	5558.5	22025.6	22850.7	23113.7
57.5°	36.3	63.5	99.7	126.9	172.3	290.2	5223.0	22841.7	23694.0	23830.1
60°	18.1	45.3	72.5	99.7	145.1	253.9	4751.5	23440.1	24718.7	24863.8
62.5°	9.1	27.2	54.4	81.6	117.9	199.5	4261.8	22488.0	24274.4	24528.3
65°	0.0	18.1	36.3	54.4	72.5	145.1	3463.9	20302.7	22515.2	23449.2
67.5°	0.0	0.0	18.1	36.3	45.3	108.8	2611.5	18471.0	20892.1	22161.6
70°	0.0	0.0	9.1	9.1	27.2	81.6	1668.5	15297.3	18652.4	19350.6
72.5°	0.0	0.0	0.0	0.0	9.1	54.4	970.2	11361.9	14617.2	15913.9
75°	0.0	0.0	0.0	0.0	0.0	45.3	489.7	7308.6	10174.0	11915.0
77.5°	0.0	0.0	0.0	0.0	0.0	36.3	263.0	4715.2	7499.0	8958.9
80°	0.0	0.0	0.0	0.0	0.0	9.1	154.2	2738.5	4796.8	5812.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	63.5	1342.0	2865.4	3355.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	18.1	716.4	1432.7	1886.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2	99.7	190.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)