

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: P598629

Luminaire Tested: **IFLD-S-SA6D-727-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598629
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6D-727-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (96) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

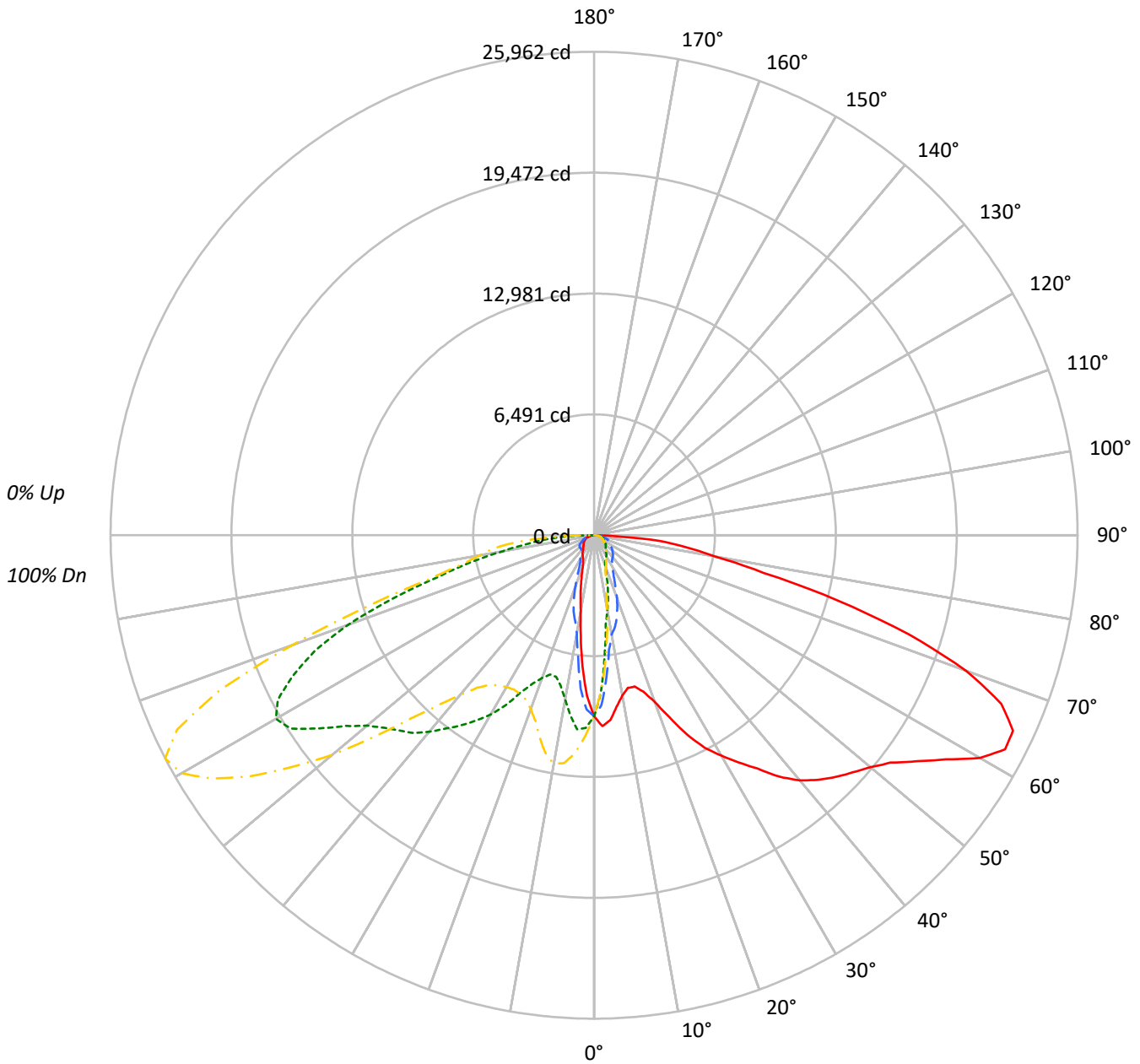
Lumens per Lamp: N/A
 Luminaire Lumens: 32523.7 lumens
 Efficiency: N/A
 Efficacy: 88.3 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 368.2
 Input Voltage (V): 120
 Input Current (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: P598629
CATALOG NUMBER: IFLD-S-SA6D-727-U-SLR

Luminous Intensity Polar Plot



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

TEST NUMBER: P598629

CATALOG NUMBER: IFLD-S-SA6D-727-U-SLR

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	69717	69717	69717	69717
5°	71748	46656	50969	75374
10°	63654	29646	29943	65141
15°	62473	21027	19914	58429
20°	72633	13300	13404	62242
25°	93408	11420	11097	73585
30°	113200	10824	10147	92116
35°	133981	9536	9178	109188
40°	160988	9050	8413	128994
45°	186281	8976	8147	150379
50°	216314	9114	8203	177578
55°	264718	9363	8341	226244
60°	343314	9373	8788	282970
65°	421423	9473	9011	302898
70°	445936	9991	9420	294912
75°	375378	10563	9432	240695
80°	272718	12373	9558	208053
85°	289044	17924	7838	216227

TEST NUMBER: P598629
 CATALOG NUMBER: IFLD-S-SA6D-727-U-SLR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	751.9	2.3
10°-20°	1573.6	4.8
20°-30°	2267.7	7.0
30°-40°	3264.6	10.0
40°-50°	4637.2	14.3
50°-60°	6666.9	20.5
60°-70°	7702.5	23.7
70°-80°	4361.3	13.4
80°-90°	1297.9	4.0
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°	4593.2	14.1
0°-40°	7857.9	24.2
0°-60°	19162.0	58.9
0°-90°	32523.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32523.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9715	9715	9715	9715	9715	
5°	9960	6477	7076	10464	9960	904
15°	8409	2830	2681	7865	8409	2473
25°	11797	1442	1402	9294	11797	5476
35°	15294	1089	1048	12464	15294	9707
45°	18356	884	803	14818	18356	14213
55°	21159	748	667	18084	21159	19163
65°	24819	558	531	17839	24819	23800
75°	13539	381	340	8681	13539	14366
85°	3511	218	95	2626	3511	3496
90°	0	0	0	0	0	

TEST NUMBER: P598629
 CATALOG NUMBER: IFLD-S-SA6D-727-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4
2.5°	10259.7	10246.1	10164.5	9905.9	9633.8	9375.3	9130.3	8871.8	8735.7	8572.4	8504.4
5°	9960.4	9933.1	9701.8	9130.3	8626.9	8082.6	7619.9	7252.6	6953.2	6653.8	6545.0
7.5°	9280.0	9239.2	8967.0	8177.8	7443.1	6735.5	6177.6	5701.4	5306.7	5129.9	4925.8
10°	8735.7	8667.7	8313.9	7443.1	6490.6	5783.0	5415.6	5089.0	4748.9	4463.1	4163.8
12.5°	8395.5	8313.9	7946.5	6926.0	6000.7	5470.0	5089.0	4721.6	4299.8	3946.0	3619.5
15°	8409.2	8313.9	7864.9	6789.9	5878.2	5197.9	4667.2	4163.8	3673.9	3279.3	2911.9
17.5°	8803.8	8681.3	8205.0	6980.4	5783.0	4844.1	4136.5	3483.4	2925.5	2503.7	2204.3
20°	9511.3	9429.7	8885.4	7266.2	5687.7	4463.1	3592.3	2803.1	2217.9	1891.4	1768.9
22.5°	10572.7	10477.4	9892.3	7701.6	5660.5	4122.9	3007.2	2204.3	1782.5	1646.5	1578.4
25°	11797.3	11620.4	11076.1	8436.4	5715.0	3810.0	2530.9	1823.3	1592.0	1496.8	1456.0
27.5°	12858.7	12749.8	12137.5	9130.3	5742.2	3565.0	2204.3	1660.1	1483.2	1401.5	1374.3
30°	13661.5	13620.7	13021.9	9892.3	5674.1	3265.7	2000.2	1592.0	1483.2	1401.5	1319.9
32.5°	14464.3	14477.9	13838.4	10477.4	5578.9	3007.2	1809.7	1415.1	1306.3	1251.8	1265.5
35°	15294.3	15362.4	14818.1	11048.9	5374.8	2911.9	1673.7	1319.9	1224.6	1143.0	1102.2
37.5°	16342.1	16519.0	15988.3	11688.5	5170.7	2830.3	1605.6	1251.8	1156.6	1088.6	1034.1
40°	17185.7	17512.3	17199.3	12287.2	5034.6	2735.0	1551.2	1183.8	1115.8	1034.1	993.3
42.5°	17811.6	18192.6	18083.8	12749.8	5034.6	2639.8	1496.8	1143.0	1088.6	993.3	938.9
45°	18355.9	18750.5	18736.9	13226.0	5143.5	2585.3	1428.7	1143.0	1061.3	966.1	911.7
47.5°	18845.8	19240.4	19376.4	13824.8	5320.4	2558.1	1347.1	1115.8	1061.3	952.5	870.9
50°	19376.4	19811.9	20220.1	14777.3	5538.1	2490.1	1292.7	1075.0	1075.0	938.9	843.6
52.5°	20056.8	20546.6	21295.0	15961.1	5755.8	2367.6	1211.0	1047.7	1075.0	925.3	816.4
55°	21159.0	21567.2	22546.9	17376.2	6027.9	2217.9	1143.0	979.7	1020.5	884.5	775.6
57.5°	22397.2	22751.0	23567.4	18464.8	6109.6	2027.4	1047.7	911.7	979.7	843.6	721.2
60°	23921.2	24098.1	24098.1	18777.7	5837.4	1850.6	979.7	857.2	884.5	802.8	680.4
62.5°	24887.3	24887.3	24098.1	18206.2	5320.4	1700.9	925.3	802.8	775.6	748.4	639.5
65°	24819.2	24710.4	23540.2	16546.2	4721.6	1605.6	870.9	734.8	694.0	680.4	598.7
67.5°	23676.3	23485.8	21893.7	14205.8	4095.7	1564.8	816.4	666.7	639.5	612.3	544.3
70°	21254.2	20764.4	18804.9	11429.9	3483.4	1537.6	802.8	612.3	585.1	557.9	503.5
72.5°	17743.6	17117.7	14682.0	8790.2	2925.5	1442.3	762.0	544.3	530.7	503.5	449.0
75°	13539.0	12382.4	10246.1	6721.9	2272.4	1251.8	653.1	476.2	476.2	462.6	408.2
77.5°	9334.4	8735.7	7143.7	4966.6	1660.1	966.1	530.7	421.8	421.8	435.4	381.0
80°	6599.4	6041.5	5089.0	3565.0	1047.7	653.1	408.2	353.8	394.6	421.8	353.8
82.5°	5048.2	4640.0	3782.8	2598.9	612.3	449.0	313.0	285.7	340.2	367.4	299.4
85°	3510.6	3020.8	1918.6	1741.7	353.8	272.1	231.3	231.3	299.4	367.4	272.1
87.5°	993.3	421.8	122.5	517.1	149.7	108.9	81.6	54.4	81.6	81.6	54.4
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: P598629
 CATALOG NUMBER: IFLD-S-SA6D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4
2.5°	8436.4	8354.7	8354.7	8327.5	8341.1	8354.7	8341.1	8436.4	8477.2	8531.6	8640.5
5°	6477.0	6585.8	6504.2	6585.8	6694.7	6858.0	6898.8	7021.2	7034.8	7130.1	7075.7
7.5°	4803.3	4789.7	4721.6	4816.9	5116.2	5347.6	5456.4	5524.5	5538.1	5538.1	5470.0
10°	4068.5	3946.0	3823.6	3755.5	3782.8	4027.7	4109.3	4150.1	4122.9	4163.8	4109.3
12.5°	3483.4	3374.5	3197.7	3075.2	2993.5	3061.6	3143.2	3184.0	3211.3	3279.3	3333.7
15°	2830.3	2721.4	2612.6	2544.5	2476.5	2422.1	2490.1	2530.9	2598.9	2653.4	2680.6
17.5°	2149.9	2095.5	2041.1	2081.9	2081.9	2054.7	2081.9	2095.5	2122.7	2163.5	2149.9
20°	1741.7	1728.1	1714.5	1782.5	1837.0	1837.0	1864.2	1823.3	1809.7	1768.9	1755.3
22.5°	1551.2	1551.2	1564.8	1619.2	1673.7	1700.9	1700.9	1632.8	1564.8	1537.6	1551.2
25°	1442.3	1442.3	1483.2	1496.8	1524.0	1524.0	1537.6	1469.6	1428.7	1387.9	1401.5
27.5°	1360.7	1360.7	1374.3	1374.3	1387.9	1387.9	1401.5	1374.3	1319.9	1306.3	1306.3
30°	1306.3	1306.3	1292.7	1292.7	1292.7	1292.7	1306.3	1265.5	1238.2	1224.6	1224.6
32.5°	1251.8	1238.2	1224.6	1224.6	1211.0	1211.0	1224.6	1183.8	1170.2	1170.2	1170.2
35°	1088.6	1075.0	1088.6	1115.8	1115.8	1129.4	1129.4	1115.8	1088.6	1061.3	1047.7
37.5°	1020.5	1006.9	1006.9	1006.9	1034.1	1047.7	1061.3	1034.1	993.3	952.5	952.5
40°	966.1	966.1	952.5	952.5	952.5	979.7	1006.9	966.1	911.7	898.1	898.1
42.5°	925.3	911.7	898.1	884.5	870.9	911.7	938.9	884.5	857.2	857.2	857.2
45°	884.5	870.9	857.2	843.6	830.0	843.6	870.9	816.4	802.8	802.8	802.8
47.5°	843.6	830.0	802.8	789.2	775.6	775.6	802.8	762.0	748.4	762.0	762.0
50°	816.4	789.2	762.0	748.4	734.8	734.8	734.8	721.2	721.2	721.2	734.8
52.5°	789.2	762.0	721.2	707.6	694.0	694.0	694.0	694.0	680.4	694.0	707.6
55°	748.4	721.2	694.0	680.4	666.7	653.1	666.7	653.1	653.1	666.7	666.7
57.5°	694.0	666.7	639.5	639.5	625.9	625.9	639.5	625.9	625.9	639.5	639.5
60°	653.1	625.9	598.7	598.7	585.1	598.7	612.3	598.7	598.7	598.7	612.3
62.5°	598.7	585.1	557.9	557.9	557.9	557.9	571.5	557.9	571.5	571.5	571.5
65°	557.9	530.7	517.1	517.1	517.1	517.1	544.3	517.1	530.7	530.7	530.7
67.5°	517.1	489.9	476.2	476.2	476.2	476.2	503.5	476.2	489.9	503.5	489.9
70°	476.2	449.0	435.4	435.4	435.4	435.4	449.0	435.4	435.4	449.0	449.0
72.5°	421.8	408.2	394.6	394.6	381.0	394.6	408.2	394.6	394.6	394.6	394.6
75°	381.0	367.4	367.4	353.8	353.8	353.8	367.4	340.2	340.2	340.2	340.2
77.5°	353.8	326.6	326.6	326.6	313.0	326.6	313.0	285.7	285.7	285.7	285.7
80°	299.4	272.1	285.7	285.7	272.1	272.1	258.5	231.3	231.3	231.3	231.3
82.5°	244.9	217.7	231.3	231.3	231.3	231.3	204.1	190.5	176.9	163.3	163.3
85°	217.7	176.9	204.1	204.1	190.5	190.5	136.1	136.1	108.9	108.9	95.2
87.5°	40.8	27.2	54.4	68.0	68.0	81.6	54.4	68.0	40.8	27.2	27.2
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: P598629
 CATALOG NUMBER: IFLD-S-SA6D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4
2.5°	8626.9	8776.5	8980.6	9130.3	9361.6	9538.5	9810.7	10042.0	10259.7	10355.0	10450.2
5°	7238.9	7334.2	7647.2	7892.1	8259.5	8654.1	9143.9	9674.6	10218.9	10463.8	10749.6
7.5°	5415.6	5592.5	5769.4	6123.2	6572.2	7211.7	7837.7	8626.9	9388.9	9756.3	10246.1
10°	4204.6	4340.6	4544.8	4912.1	5334.0	5864.6	6613.0	7551.9	8463.6	8939.8	9443.3
12.5°	3374.5	3565.0	3837.2	4218.2	4708.0	5252.3	5796.6	6667.5	7728.8	8273.1	8844.6
15°	2735.0	2884.7	3184.0	3660.3	4231.8	4789.7	5361.2	6082.3	7238.9	7864.9	8545.2
17.5°	2177.1	2286.0	2558.1	3034.4	3605.9	4231.8	4884.9	5796.6	7075.7	7837.7	8640.5
20°	1768.9	1850.6	2027.4	2381.2	2925.5	3605.9	4422.3	5524.5	7170.9	8150.6	9130.3
22.5°	1551.2	1578.4	1660.1	1850.6	2299.6	3020.8	4000.5	5293.1	7347.8	8613.3	9933.1
25°	1401.5	1428.7	1456.0	1578.4	1837.0	2517.3	3633.1	5157.1	7728.8	9293.6	10858.4
27.5°	1306.3	1333.5	1347.1	1401.5	1578.4	2149.9	3320.1	5075.4	8245.9	10286.9	12001.4
30°	1224.6	1224.6	1265.5	1347.1	1469.6	1891.4	3048.0	4884.9	8790.2	11117.0	12899.5
32.5°	1156.6	1170.2	1224.6	1265.5	1347.1	1673.7	2775.8	4640.0	9280.0	11797.3	13783.9
35°	1034.1	1034.1	1047.7	1115.8	1224.6	1496.8	2530.9	4395.1	9552.1	12464.1	14573.1
37.5°	952.5	966.1	993.3	1047.7	1143.0	1374.3	2326.8	4122.9	9837.9	13090.0	15498.4
40°	898.1	911.7	938.9	993.3	1088.6	1265.5	2149.9	3905.2	10137.2	13770.3	16491.7
42.5°	857.2	870.9	898.1	952.5	1034.1	1238.2	1959.4	3728.3	10314.1	14396.3	17430.6
45°	816.4	830.0	870.9	925.3	993.3	1211.0	1850.6	3605.9	10382.2	14818.1	18179.0
47.5°	775.6	789.2	830.0	911.7	993.3	1170.2	1809.7	3537.8	10436.6	15294.3	18777.7
50°	734.8	762.0	816.4	898.1	1006.9	1115.8	1782.5	3524.2	10749.6	15906.6	19349.2
52.5°	707.6	748.4	802.8	898.1	993.3	1034.1	1768.9	3565.0	11375.5	16818.3	20165.6
55°	680.4	721.2	775.6	898.1	952.5	966.1	1700.9	3633.1	12328.0	18083.8	21322.2
57.5°	653.1	680.4	748.4	870.9	898.1	911.7	1564.8	3728.3	13280.5	19322.0	22506.1
60°	612.3	639.5	707.6	870.9	816.4	857.2	1387.9	3755.5	13960.8	19716.6	22614.9
62.5°	571.5	598.7	666.7	898.1	748.4	802.8	1238.2	3660.3	14096.9	19145.1	22002.6
65°	530.7	557.9	612.3	748.4	694.0	748.4	1143.0	3401.8	13647.9	17838.8	20886.8
67.5°	489.9	517.1	557.9	612.3	625.9	680.4	1102.2	2993.5	12518.5	16219.6	19362.8
70°	435.4	462.6	503.5	544.3	557.9	639.5	1034.1	2598.9	10695.1	14056.1	17498.7
72.5°	394.6	408.2	449.0	476.2	503.5	585.1	993.3	2272.4	8177.8	11375.5	14273.8
75°	340.2	340.2	381.0	408.2	435.4	517.1	911.7	1891.4	5769.4	8681.3	10491.0
77.5°	285.7	285.7	313.0	340.2	367.4	449.0	775.6	1537.6	4000.5	6885.2	7606.3
80°	217.7	217.7	244.9	272.1	299.4	381.0	625.9	1129.4	2476.5	5034.6	5538.1
82.5°	149.7	149.7	190.5	204.1	217.7	299.4	476.2	775.6	1456.0	3633.1	3959.7
85°	81.6	81.6	108.9	122.5	149.7	217.7	353.8	544.3	870.9	2626.2	2639.8
87.5°	13.6	13.6	40.8	40.8	68.0	108.9	204.1	299.4	489.9	1456.0	925.3
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: P598629
 CATALOG NUMBER: IFLD-S-SA6D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4	9715.4
2.5°	10627.1	10776.8	10790.4	10790.4	10722.4	10736.0	10545.5	10341.4	10273.3	10259.7
5°	11185.0	11579.6	11688.5	11742.9	11566.0	11293.8	10804.0	10273.3	10001.2	9960.4
7.5°	11076.1	11865.3	12287.2	12341.6	11987.8	11348.3	10491.0	9674.6	9361.6	9280.0
10°	10436.6	11498.0	12259.9	12450.4	12069.4	11253.0	10137.2	9184.8	8803.8	8735.7
12.5°	9987.6	11008.1	11756.5	12015.0	11838.1	11130.6	9960.4	8871.8	8490.8	8395.5
15°	9742.6	10681.5	11171.4	11253.0	11239.4	10940.1	9960.4	8939.8	8518.0	8409.2
17.5°	9946.7	10586.3	10654.3	10463.8	10572.7	10722.4	10178.1	9307.2	8899.0	8803.8
20°	10355.0	10545.5	10218.9	9933.1	9987.6	10463.8	10518.2	10001.2	9674.6	9511.3
22.5°	11212.2	10695.1	9946.7	9552.1	9593.0	10259.7	10967.3	10940.1	10654.3	10572.7
25°	12083.1	11117.0	9865.1	9402.5	9456.9	10218.9	11498.0	11987.8	11838.1	11797.3
27.5°	13049.2	11824.5	9919.5	9334.4	9402.5	10273.3	11865.3	12872.3	12899.5	12858.7
30°	13702.3	12164.7	10082.8	9416.1	9511.3	10409.4	11947.0	13402.9	13647.9	13661.5
32.5°	14246.6	12504.9	10423.0	9552.1	9715.4	10654.3	12164.7	13906.4	14450.7	14464.3
35°	14682.0	12885.9	10844.8	9797.1	10042.0	11062.5	12450.4	14382.6	15199.1	15294.3
37.5°	15239.9	13307.7	11334.7	10327.7	10599.9	11647.6	12953.9	14940.5	16083.5	16342.1
40°	15838.6	13729.5	12042.2	11185.0	11579.6	12518.5	13525.4	15566.5	16831.9	17185.7
42.5°	16505.3	14178.5	12845.1	12341.6	12940.3	13620.7	14178.5	16138.0	17403.4	17811.6
45°	17158.5	14722.8	14015.3	13920.0	14586.8	14926.9	14818.1	16546.2	17947.7	18355.9
47.5°	17621.1	15512.0	15430.4	16001.9	16627.8	16450.9	15566.5	16845.5	18396.7	18845.8
50°	18042.9	16491.7	17212.9	18328.7	18709.7	18111.0	16369.3	17253.7	18873.0	19376.4
52.5°	18668.9	17539.5	19049.9	20437.8	20805.2	19852.7	17240.1	17920.5	19607.8	20056.8
55°	19947.9	18723.3	20968.5	22560.5	22628.5	21444.7	18410.3	19049.9	20641.9	21159.0
57.5°	21376.7	20179.2	22492.4	24315.8	24288.6	23036.7	19730.2	20573.9	22043.4	22397.2
60°	22669.3	21648.8	24152.5	25567.6	25499.6	24193.3	21267.8	22301.9	23649.0	23921.2
62.5°	23431.3	22982.3	24887.3	25962.2	25703.7	24574.3	22574.1	23839.5	24792.0	24887.3
65°	23308.9	23744.3	24030.0	24696.8	24329.4	23513.0	23213.6	24819.2	24914.5	24819.2
67.5°	22383.6	23308.9	21676.0	21744.1	21553.6	20859.6	22220.3	24560.7	23907.6	23676.3
70°	20982.1	21050.1	18124.6	17267.3	17566.7	16614.2	19063.5	22546.9	21540.0	21254.2
72.5°	18655.3	17811.6	13702.3	12831.4	13280.5	12600.1	15294.3	19648.6	18668.9	17743.6
75°	15648.1	14110.5	10436.6	9198.4	9429.7	9402.5	11851.7	16233.2	14464.3	13539.0
77.5°	12123.9	10994.5	7701.6	7225.3	6980.4	7034.8	8273.1	12069.4	10491.0	9334.4
80°	8858.2	7688.0	5959.9	6232.0	6096.0	5769.4	5796.6	8082.6	7293.4	6599.4
82.5°	6123.2	5470.0	4830.5	5456.4	5129.9	4626.4	4517.5	5823.8	5470.0	5048.2
85°	4109.3	4503.9	3837.2	4177.4	3619.5	3333.7	4245.4	4871.3	3932.4	3510.6
87.5°	2680.6	4122.9	2762.2	2095.5	1197.4	1605.6	2598.9	3197.7	1837.0	993.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)