

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: P598885

Luminaire Tested: **IFLD-S-SA3D-727-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598885  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA3D-727-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (48) 2700K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

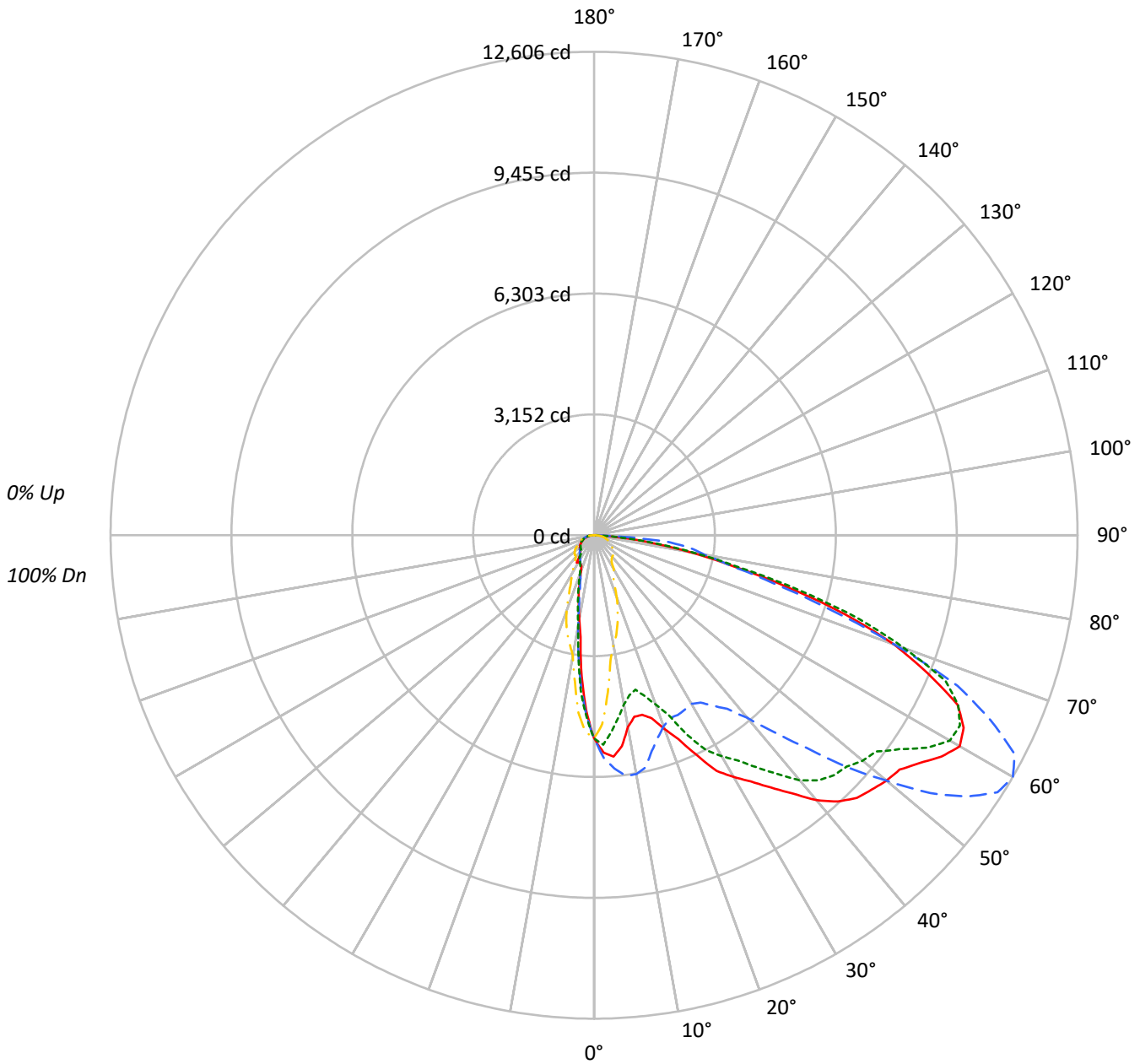
Lumens per Lamp: N/A  
 Luminaire Lumens: 16579.7 lumens  
 Efficiency: N/A  
 Efficacy: 90.1 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 184.1  
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	76000	76000	76000	76000
5°	83496	74171	53191	58065
10°	73957	65275	32262	34620
15°	72015	61962	22840	23714
20°	82114	71667	14940	16513
25°	100046	90844	13044	13511
30°	120544	110183	13529	12553
35°	140586	129374	11211	10567
40°	168934	156256	10473	9920
45°	196599	179581	10599	9852
50°	222182	204119	10838	10181
55°	259115	243286	11225	10674
60°	316031	307377	11189	11189
65°	355165	355664	11488	11988
70°	349053	361399	12035	12345
75°	287932	307101	12643	13458
80°	207888	218227	13984	14588
85°	115055	123535	15742	19382

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	411.4	2.5
10°-20°	868.6	5.2
20°-30°	1270.8	7.7
30°-40°	1790.5	10.8
40°-50°	2460.7	14.8
50°-60°	3353.6	20.2
60°-70°	3670.4	22.1
70°-80°	2119.1	12.8
80°-90°	634.6	3.8
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°	2550.8	15.4
0°-40°	4341.3	26.2
0°-60°	10155.6	61.3
0°-90°	16579.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16579.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5296	5296	5296	5296	5296	
5°	5796	5148	3692	4030	5796	526
15°	4847	4170	1537	1596	4847	1416
25°	6318	5737	824	853	6318	2958
35°	8024	7384	640	603	8024	5088
45°	9686	8848	522	485	9686	7445
55°	10356	9723	449	427	10356	9344
65°	10458	10473	338	353	10458	10010
75°	5192	5538	228	243	5192	5578
85°	699	750	96	118	699	969
90°	0	0	0	0	0	

TEST NUMBER: P598885  
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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5
2.5°	5670.5	5648.5	5670.5	5751.5	5773.5	5810.3	5810.3	5758.8	5663.2	5619.1	5545.5
5°	5795.6	5758.8	5942.7	6111.8	6244.2	6229.5	6104.5	6001.5	5810.3	5523.5	5251.3
7.5°	5545.5	5582.3	5714.7	6156.0	6464.9	6523.7	6325.1	6119.2	5707.3	5310.2	4942.4
10°	5074.8	5126.3	5413.1	5869.1	6354.5	6450.2	6325.1	6075.1	5582.3	5089.5	4662.9
12.5°	4846.8	4964.5	5133.6	5685.3	6030.9	6258.9	6200.1	6038.3	5486.7	4905.6	4493.8
15°	4846.8	4876.2	5126.3	5589.6	5788.2	5795.6	5817.6	5847.1	5516.1	4986.6	4434.9
17.5°	5001.3	5082.2	5295.5	5582.3	5619.1	5530.8	5530.8	5655.8	5574.9	5214.6	4648.2
20°	5376.4	5346.9	5626.4	5744.1	5545.5	5324.9	5302.8	5516.1	5641.1	5457.3	5038.0
22.5°	5751.5	5883.8	6111.8	5847.1	5479.3	5185.1	5155.7	5420.5	5839.7	5876.5	5486.7
25°	6317.8	6450.2	6567.8	6244.2	5472.0	5148.4	5170.4	5376.4	6082.4	6472.2	6236.9
27.5°	6928.2	7009.1	7178.3	6678.2	5648.5	5104.2	5126.3	5435.2	6310.4	6862.0	6825.3
30°	7273.9	7362.2	7325.4	6759.1	5766.2	5133.6	5074.8	5516.1	6185.4	6862.0	7207.7
32.5°	7612.2	7560.7	7538.7	6891.4	5913.3	5317.5	5170.4	5685.3	6258.9	6972.3	7700.5
35°	8024.1	7950.5	7891.7	7148.9	6156.0	5494.0	5427.8	5905.9	6420.7	7200.3	8097.6
37.5°	8480.1	8480.1	8193.2	7340.1	6442.8	5780.9	5707.3	6222.2	6678.2	7340.1	8641.9
40°	9017.0	9039.0	8531.6	7597.5	6766.4	6236.9	6214.8	6634.0	6928.2	7546.0	9164.1
42.5°	9414.1	9428.8	8825.8	7693.1	7141.5	6869.4	6965.0	7296.0	7215.1	7729.9	9200.9
45°	9686.3	9612.7	9031.7	7965.2	7553.4	7818.1	7847.6	7943.2	7590.2	7840.2	9347.9
47.5°	9818.7	9803.9	9119.9	8281.5	8421.2	8781.6	8950.8	8818.4	7935.8	7722.5	9347.9
50°	9951.0	9826.0	9200.9	8715.4	9267.0	9995.2	9958.4	9715.7	8413.9	7869.6	9208.2
52.5°	10039.3	9929.0	9362.7	9105.2	10076.1	10899.8	11046.9	10598.3	8972.9	8141.8	9274.4
55°	10355.6	10267.3	9848.1	9634.8	11010.1	11855.9	11878.0	11252.8	9561.2	8590.4	9708.3
57.5°	10738.0	10789.5	10517.4	10385.0	11723.5	12554.6	12473.7	11738.3	10061.4	9134.7	10208.5
60°	11010.1	11091.0	11024.8	11039.5	12076.6	12790.0	12606.1	12039.8	10429.1	9546.5	10818.9
62.5°	10863.0	11024.8	11297.0	11238.1	12091.3	12620.8	12363.4	11642.6	10473.2	10083.4	11282.3
65°	10458.5	10473.2	11002.8	11326.4	11429.4	11745.6	11407.3	10811.6	10017.2	10414.4	11216.1
67.5°	9421.5	9539.2	10017.2	10649.7	10215.8	10289.4	10259.9	9399.4	9325.9	10186.4	10708.6
70°	8318.3	8399.2	8921.4	9664.2	8627.2	8281.5	8347.7	7707.8	8009.4	9480.3	9686.3
72.5°	6876.7	6928.2	7524.0	8178.5	6920.9	6303.1	6457.5	5935.3	6361.9	8296.2	8171.2
75°	5192.5	5288.1	5751.5	6523.7	5096.9	4699.7	4854.2	4640.9	5038.0	6832.6	6339.8
77.5°	3692.1	3618.6	4192.2	5104.2	3831.8	3596.5	3611.2	3648.0	4074.6	5758.8	4552.6
80°	2515.3	2537.4	3052.2	3743.6	3008.1	2971.3	2934.6	3228.8	3420.0	4560.0	3309.7
82.5°	1493.0	1493.0	2059.3	2662.4	2375.6	2677.1	2508.0	2772.8	2677.1	3353.8	2169.7
85°	698.7	698.7	1059.1	1919.6	1838.7	2206.4	1875.5	2096.1	1978.4	2338.8	978.2
87.5°	117.7	103.0	213.3	941.4	757.5	860.5	338.3	1117.9	1243.0	1632.8	242.7
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°	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5
2.5°	5464.6	5413.1	5310.2	5177.8	5067.5	4927.7	4883.6	4788.0	4655.6	4640.9	4582.0
5°	5148.4	4971.8	4751.2	4479.1	4295.2	4104.0	3942.2	3846.6	3736.2	3721.5	3692.1
7.5°	4802.7	4582.0	4214.3	3890.7	3574.4	3272.9	3125.8	2941.9	2816.9	2721.3	2677.1
10°	4479.1	4273.1	3817.1	3375.9	3096.4	2897.8	2721.3	2530.1	2375.6	2257.9	2213.8
12.5°	4265.8	4023.1	3530.3	3111.1	2905.1	2677.1	2478.6	2272.6	2074.1	1919.6	1838.7
15°	4170.2	3942.2	3442.0	2978.7	2677.1	2360.9	2132.9	1927.0	1684.2	1573.9	1537.2
17.5°	4398.2	4059.8	3412.6	2824.2	2397.7	2037.3	1757.8	1537.2	1360.6	1250.3	1206.2
20°	4692.4	4273.1	3464.1	2640.4	2132.9	1728.4	1419.5	1184.1	1066.4	985.5	978.2
22.5°	5067.5	4589.4	3545.0	2508.0	1838.7	1390.1	1110.6	970.8	889.9	882.6	867.9
25°	5736.7	5163.1	3677.4	2331.5	1603.3	1147.3	948.8	867.9	831.1	809.0	823.7
27.5°	6310.4	5538.2	3773.0	2221.1	1507.7	1081.2	919.3	831.1	794.3	787.0	794.3
30°	6648.7	5883.8	3743.6	2015.2	1316.5	1029.7	978.2	948.8	875.2	816.4	816.4
32.5°	6957.6	6104.5	3736.2	1831.3	1125.3	860.5	816.4	794.3	838.4	867.9	845.8
35°	7384.2	6450.2	3714.2	1728.4	1044.4	794.3	720.8	661.9	632.5	617.8	639.9
37.5°	7840.2	6685.5	3655.3	1713.7	1000.3	757.5	698.7	639.9	610.4	595.7	588.4
40°	8340.3	6935.6	3589.1	1640.1	978.2	735.5	676.6	625.2	588.4	566.3	559.0
42.5°	8664.0	7134.2	3522.9	1603.3	934.1	720.8	654.6	610.4	573.7	544.3	544.3
45°	8847.8	7369.5	3456.8	1566.6	882.6	728.1	654.6	595.7	551.6	536.9	522.2
47.5°	8928.7	7546.0	3434.7	1507.7	838.4	698.7	639.9	581.0	536.9	507.5	500.1
50°	9142.0	7921.1	3515.6	1463.6	787.0	669.3	676.6	573.7	529.5	492.8	485.4
52.5°	9267.0	8222.7	3692.1	1397.4	750.2	632.5	661.9	559.0	507.5	470.7	470.7
55°	9723.0	8722.8	3883.3	1345.9	706.1	581.0	610.4	529.5	470.7	448.6	448.6
57.5°	10304.1	9252.3	4045.1	1323.9	676.6	544.3	544.3	514.8	448.6	419.2	411.9
60°	10708.6	9686.3	4140.8	1309.2	647.2	507.5	485.4	514.8	426.6	397.2	389.8
62.5°	10752.7	9436.2	4045.1	1301.8	639.9	470.7	441.3	492.8	404.5	375.1	360.4
65°	10473.2	8928.7	3780.4	1272.4	632.5	433.9	411.9	426.6	375.1	353.0	338.3
67.5°	9914.3	8105.0	3397.9	1257.7	625.2	404.5	375.1	367.7	345.7	323.6	308.9
70°	8612.5	7031.2	2949.3	1191.5	610.4	382.4	338.3	331.0	308.9	294.2	286.8
72.5°	7229.8	5751.5	2434.4	1103.2	581.0	345.7	308.9	294.2	286.8	264.8	257.4
75°	5538.2	4427.6	1949.0	978.2	507.5	308.9	272.1	257.4	250.1	235.4	228.0
77.5°	3890.7	3294.9	1441.5	794.3	426.6	279.5	242.7	228.0	220.6	198.6	198.6
80°	2640.4	2309.4	978.2	551.6	331.0	228.0	213.3	198.6	183.9	169.2	169.2
82.5°	1640.1	1618.1	706.1	360.4	242.7	183.9	169.2	169.2	147.1	132.4	132.4
85°	750.2	992.9	492.8	250.1	183.9	139.7	139.7	132.4	117.7	95.6	95.6
87.5°	235.4	331.0	257.4	110.3	103.0	80.9	80.9	73.5	73.5	58.8	58.8
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5
2.5°	4640.9	4633.5	4633.5	4604.1	4677.7	4677.7	4721.8	4685.0	4707.1	4714.4	4773.3
5°	3684.8	3743.6	3787.7	3876.0	3927.5	3949.5	3949.5	4008.4	3986.3	4030.4	4118.7
7.5°	2699.2	2772.8	2905.1	3015.5	3103.7	3133.1	3125.8	3140.5	3162.6	3111.1	3125.8
10°	2184.4	2132.9	2177.0	2280.0	2360.9	2456.5	2383.0	2375.6	2397.7	2375.6	2419.7
12.5°	1824.0	1765.2	1728.4	1728.4	1787.2	1831.3	1809.3	1846.1	1927.0	1949.0	2000.5
15°	1478.3	1426.8	1397.4	1360.6	1419.5	1434.2	1456.2	1507.7	1566.6	1596.0	1654.8
17.5°	1184.1	1184.1	1184.1	1154.7	1176.8	1198.8	1206.2	1272.4	1279.7	1309.2	1331.2
20°	970.8	992.9	1029.7	1044.4	1066.4	1066.4	1051.7	1088.5	1059.1	1081.2	1095.9
22.5°	875.2	904.6	919.3	926.7	956.1	963.5	926.7	934.1	941.4	919.3	926.7
25°	823.7	838.4	823.7	831.1	838.4	823.7	831.1	845.8	838.4	853.2	845.8
27.5°	801.7	787.0	779.6	772.3	772.3	757.5	764.9	764.9	779.6	787.0	787.0
30°	801.7	779.6	750.2	728.1	728.1	706.1	720.8	735.5	742.8	757.5	757.5
32.5°	823.7	779.6	728.1	706.1	684.0	669.3	684.0	706.1	735.5	742.8	750.2
35°	654.6	676.6	669.3	639.9	632.5	632.5	625.2	625.2	603.1	603.1	595.7
37.5°	588.4	581.0	595.7	603.1	610.4	588.4	588.4	559.0	551.6	559.0	559.0
40°	551.6	551.6	551.6	573.7	581.0	566.3	544.3	529.5	529.5	529.5	536.9
42.5°	536.9	522.2	514.8	529.5	551.6	536.9	514.8	507.5	507.5	514.8	514.8
45°	514.8	507.5	500.1	492.8	522.2	500.1	492.8	485.4	485.4	485.4	492.8
47.5°	492.8	485.4	470.7	470.7	478.1	470.7	463.4	463.4	463.4	478.1	478.1
50°	478.1	470.7	456.0	456.0	456.0	456.0	448.6	448.6	448.6	456.0	463.4
52.5°	456.0	448.6	441.3	433.9	433.9	433.9	433.9	433.9	433.9	441.3	448.6
55°	433.9	426.6	419.2	419.2	426.6	426.6	419.2	426.6	419.2	426.6	433.9
57.5°	411.9	404.5	397.2	404.5	411.9	404.5	404.5	404.5	404.5	404.5	411.9
60°	382.4	382.4	382.4	382.4	397.2	397.2	397.2	397.2	382.4	389.8	397.2
62.5°	367.7	360.4	360.4	367.7	375.1	375.1	382.4	375.1	367.7	375.1	375.1
65°	338.3	338.3	338.3	345.7	345.7	353.0	353.0	353.0	345.7	353.0	353.0
67.5°	316.3	316.3	316.3	316.3	331.0	331.0	331.0	331.0	323.6	323.6	331.0
70°	279.5	286.8	279.5	294.2	308.9	301.5	308.9	308.9	301.5	294.2	308.9
72.5°	257.4	257.4	257.4	257.4	279.5	279.5	279.5	286.8	279.5	272.1	279.5
75°	228.0	228.0	228.0	235.4	250.1	250.1	250.1	250.1	250.1	242.7	242.7
77.5°	198.6	205.9	198.6	205.9	220.6	213.3	220.6	228.0	220.6	213.3	213.3
80°	169.2	169.2	169.2	176.5	183.9	183.9	183.9	191.2	183.9	176.5	176.5
82.5°	132.4	132.4	139.7	139.7	147.1	147.1	147.1	154.5	147.1	139.7	139.7
85°	103.0	103.0	103.0	110.3	110.3	117.7	117.7	125.0	125.0	117.7	117.7
87.5°	66.2	58.8	66.2	66.2	73.5	73.5	66.2	58.8	66.2	58.8	51.5
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: P598885  
 CATALOG NUMBER: IFLD-S-SA3D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5	5295.5
2.5°	4832.1	4964.5	5060.1	5126.3	5221.9	5405.8	5479.3	5611.7	5648.5	5670.5
5°	4155.5	4295.2	4501.1	4648.2	4817.4	5163.1	5427.8	5626.4	5714.7	5795.6
7.5°	3258.2	3442.0	3655.3	3846.6	4126.0	4552.6	4898.3	5310.2	5464.6	5545.5
10°	2544.8	2713.9	2949.3	3184.6	3574.4	3934.8	4427.6	4802.7	5016.0	5074.8
12.5°	2147.6	2346.2	2625.7	2912.5	3155.2	3567.1	4067.2	4611.5	4810.0	4846.8
15°	1824.0	2096.1	2383.0	2677.1	2956.6	3317.0	3853.9	4515.8	4810.0	4846.8
17.5°	1507.7	1750.4	2088.8	2405.0	2728.6	3221.4	3890.7	4596.7	4890.9	5001.3
20°	1198.8	1434.2	1699.0	2096.1	2537.4	3059.6	3971.6	4868.9	5258.7	5376.4
22.5°	992.9	1095.9	1353.3	1735.7	2257.9	2949.3	4052.5	5295.5	5707.3	5751.5
25°	867.9	941.4	1103.2	1463.6	2037.3	2875.7	4243.7	5788.2	6317.8	6317.8
27.5°	809.0	838.4	948.8	1272.4	1882.8	2809.5	4434.9	6332.5	6825.3	6928.2
30°	794.3	867.9	926.7	1132.6	1713.7	2625.7	4611.5	6759.1	7266.5	7273.9
32.5°	779.6	764.9	809.0	985.5	1507.7	2434.4	4758.6	7193.0	7590.2	7612.2
35°	610.4	639.9	713.4	867.9	1353.3	2294.7	4832.1	7428.3	8002.0	8024.1
37.5°	573.7	610.4	669.3	801.7	1250.3	2177.0	4854.2	7884.3	8436.0	8480.1
40°	559.0	588.4	632.5	742.8	1169.4	2029.9	4898.3	8355.0	9075.8	9017.0
42.5°	529.5	566.3	610.4	713.4	1103.2	1919.6	4905.6	8612.5	9414.1	9414.1
45°	522.2	544.3	595.7	713.4	1029.7	1824.0	4788.0	8869.9	9803.9	9686.3
47.5°	492.8	536.9	581.0	691.4	941.4	1728.4	4648.2	9002.3	9855.4	9818.7
50°	485.4	529.5	603.1	654.6	889.9	1684.2	4618.8	9333.2	9958.4	9951.0
52.5°	470.7	514.8	625.2	625.2	823.7	1625.4	4758.6	9480.3	9980.5	10039.3
55°	448.6	514.8	581.0	573.7	764.9	1551.9	4913.0	9862.8	10370.3	10355.6
57.5°	433.9	500.1	551.6	522.2	698.7	1500.4	5141.0	10230.5	10841.0	10738.0
60°	411.9	500.1	492.8	485.4	647.2	1456.2	5332.2	10304.1	10943.9	11010.1
62.5°	397.2	522.2	433.9	448.6	603.1	1434.2	5251.3	9752.5	10804.2	10863.0
65°	382.4	448.6	397.2	411.9	588.4	1390.1	4935.1	9090.5	10201.1	10458.5
67.5°	353.0	367.7	367.7	382.4	573.7	1287.1	4287.8	7899.1	9281.8	9421.5
70°	323.6	331.0	331.0	353.0	559.0	1169.4	3537.7	6832.6	8053.5	8318.3
72.5°	294.2	294.2	294.2	323.6	514.8	1073.8	2912.5	5251.3	6692.9	6876.7
75°	257.4	257.4	257.4	286.8	463.4	978.2	2294.7	3905.4	4927.7	5192.5
77.5°	228.0	228.0	220.6	257.4	404.5	794.3	1654.8	2758.0	3471.5	3692.1
80°	191.2	183.9	183.9	205.9	316.3	573.7	1066.4	1949.0	2419.7	2515.3
82.5°	154.5	147.1	139.7	154.5	228.0	360.4	661.9	1360.6	1551.9	1493.0
85°	147.1	154.5	125.0	117.7	161.8	235.4	419.2	838.4	698.7	698.7
87.5°	58.8	51.5	51.5	44.1	80.9	88.3	183.9	154.5	117.7	117.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)