

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: P598624

Luminaire Tested: **IFLD-S-SA3D-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: P598624
 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-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (48) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

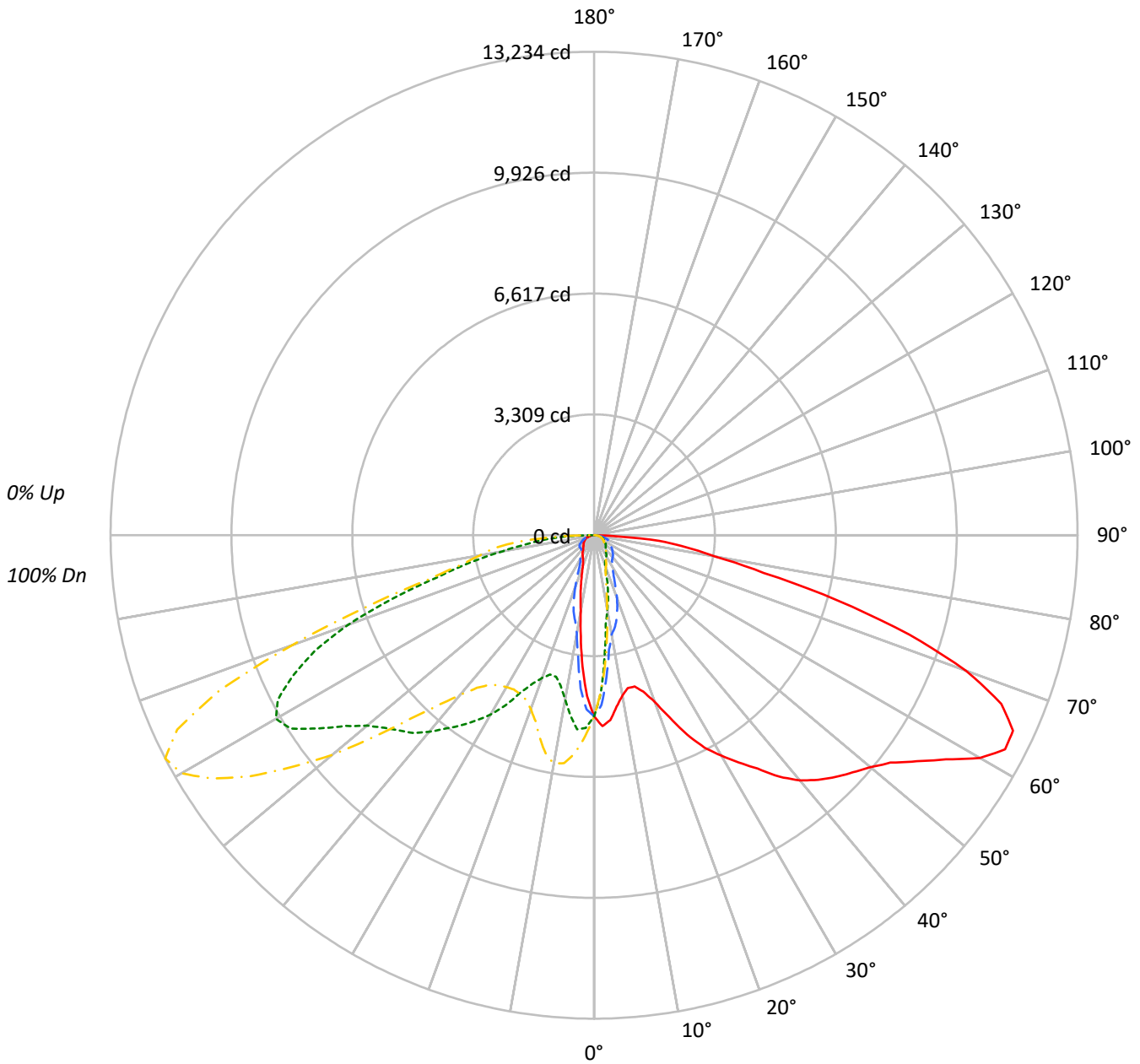
Lumens per Lamp: N/A
 Luminaire Lumens: 16579.2 lumens
 Efficiency: N/A
 Efficacy: 90.1 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	71078	71078	71078	71078
5°	73149	47567	51964	76845
10°	64896	30224	30528	66412
15°	63691	21436	20302	59569
20°	74051	13559	13666	63456
25°	95232	11642	11313	75021
30°	115408	11035	10346	93913
35°	136596	9722	9358	111318
40°	164128	9227	8577	131511
45°	189916	9152	8305	153313
50°	220536	9293	8364	181043
55°	269882	9546	8505	230658
60°	350014	9555	8958	288493
65°	429648	9658	9186	308810
70°	454638	10188	9605	300667
75°	382704	10769	9615	245389
80°	278040	12612	9744	212111
85°	294692	18278	8003	220443

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.3	2.3
10°-20°	802.2	4.8
20°-30°	1156.0	7.0
30°-40°	1664.2	10.0
40°-50°	2363.8	14.3
50°-60°	3398.5	20.5
60°-70°	3926.4	23.7
70°-80°	2223.2	13.4
80°-90°	661.6	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°	2341.4	14.1
0°-40°	4005.6	24.2
0°-60°	9767.9	58.9
0°-90°	16579.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16579.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4952	4952	4952	4952	4952	
5°	5077	3302	3607	5334	5077	461
15°	4287	1443	1366	4009	4287	1260
25°	6014	735	714	4738	6014	2791
35°	7796	555	534	6354	7796	4948
45°	9357	451	409	7554	9357	7245
55°	10786	382	340	9218	10786	9768
65°	12652	284	270	9094	12652	12132
75°	6902	194	173	4425	6902	7323
85°	1790	111	49	1339	1790	1782
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5
2.5°	5230.0	5223.0	5181.4	5049.6	4910.9	4779.1	4654.2	4522.5	4453.1	4369.9	4335.2
5°	5077.4	5063.5	4945.6	4654.2	4397.6	4120.2	3884.3	3697.0	3544.4	3391.8	3336.4
7.5°	4730.5	4709.7	4571.0	4168.7	3794.1	3433.5	3149.1	2906.3	2705.1	2615.0	2510.9
10°	4453.1	4418.4	4238.1	3794.1	3308.6	2947.9	2760.6	2594.2	2420.8	2275.1	2122.5
12.5°	4279.7	4238.1	4050.8	3530.6	3058.9	2788.4	2594.2	2406.9	2191.9	2011.5	1845.1
15°	4286.6	4238.1	4009.2	3461.2	2996.5	2649.7	2379.1	2122.5	1872.8	1671.6	1484.4
17.5°	4487.8	4425.3	4182.6	3558.3	2947.9	2469.3	2108.6	1775.7	1491.3	1276.3	1123.7
20°	4848.5	4806.8	4529.4	3704.0	2899.4	2275.1	1831.2	1428.9	1130.6	964.1	901.7
22.5°	5389.5	5340.9	5042.7	3925.9	2885.5	2101.7	1532.9	1123.7	908.7	839.3	804.6
25°	6013.8	5923.6	5646.1	4300.5	2913.2	1942.2	1290.1	929.5	811.5	763.0	742.2
27.5°	6554.8	6499.3	6187.2	4654.2	2927.1	1817.3	1123.7	846.2	756.1	714.4	700.6
30°	6964.0	6943.2	6638.0	5042.7	2892.4	1664.7	1019.6	811.5	756.1	714.4	672.8
32.5°	7373.3	7380.2	7054.2	5340.9	2843.9	1532.9	922.5	721.4	665.9	638.1	645.1
35°	7796.4	7831.1	7553.6	5632.3	2739.8	1484.4	853.2	672.8	624.3	582.6	561.8
37.5°	8330.5	8420.6	8150.1	5958.3	2635.8	1442.7	818.5	638.1	589.6	554.9	527.2
40°	8760.5	8927.0	8767.5	6263.5	2566.4	1394.2	790.7	603.5	568.8	527.2	506.3
42.5°	9079.6	9273.8	9218.3	6499.3	2566.4	1345.6	763.0	582.6	554.9	506.3	478.6
45°	9357.0	9558.2	9551.3	6742.1	2621.9	1317.9	728.3	582.6	541.0	492.5	464.7
47.5°	9606.7	9807.9	9877.3	7047.3	2712.1	1304.0	686.7	568.8	541.0	485.5	443.9
50°	9877.3	10099.2	10307.3	7532.8	2823.1	1269.3	658.9	548.0	548.0	478.6	430.0
52.5°	10224.1	10473.8	10855.3	8136.3	2934.0	1206.9	617.3	534.1	548.0	471.7	416.2
55°	10785.9	10994.0	11493.4	8857.6	3072.8	1130.6	582.6	499.4	520.2	450.9	395.4
57.5°	11417.1	11597.5	12013.6	9412.5	3114.4	1033.5	534.1	464.7	499.4	430.0	367.6
60°	12194.0	12284.2	12284.2	9572.1	2975.7	943.3	499.4	437.0	450.9	409.2	346.8
62.5°	12686.5	12686.5	12284.2	9280.7	2712.1	867.0	471.7	409.2	395.4	381.5	326.0
65°	12651.8	12596.3	11999.8	8434.5	2406.9	818.5	443.9	374.6	353.8	346.8	305.2
67.5°	12069.1	11972.0	11160.5	7241.5	2087.8	797.7	416.2	339.9	326.0	312.1	277.5
70°	10834.5	10584.8	9585.9	5826.5	1775.7	783.8	409.2	312.1	298.3	284.4	256.6
72.5°	9044.9	8725.8	7484.2	4480.8	1491.3	735.2	388.4	277.5	270.5	256.6	228.9
75°	6901.6	6312.0	5223.0	3426.5	1158.4	638.1	332.9	242.8	242.8	235.8	208.1
77.5°	4758.3	4453.1	3641.5	2531.7	846.2	492.5	270.5	215.0	215.0	222.0	194.2
80°	3364.1	3079.7	2594.2	1817.3	534.1	332.9	208.1	180.3	201.2	215.0	180.3
82.5°	2573.4	2365.3	1928.3	1324.8	312.1	228.9	159.5	145.7	173.4	187.3	152.6
85°	1789.6	1539.9	978.0	887.8	180.3	138.7	117.9	117.9	152.6	187.3	138.7
87.5°	506.3	215.0	62.4	263.6	76.3	55.5	41.6	27.7	41.6	41.6	27.7
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°	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5
2.5°	4300.5	4258.9	4258.9	4245.0	4251.9	4258.9	4251.9	4300.5	4321.3	4349.0	4404.5
5°	3301.7	3357.2	3315.5	3357.2	3412.7	3495.9	3516.7	3579.1	3586.1	3634.6	3606.9
7.5°	2448.5	2441.6	2406.9	2455.4	2608.0	2726.0	2781.4	2816.1	2823.1	2823.1	2788.4
10°	2073.9	2011.5	1949.1	1914.4	1928.3	2053.1	2094.8	2115.6	2101.7	2122.5	2094.8
12.5°	1775.7	1720.2	1630.0	1567.6	1526.0	1560.7	1602.3	1623.1	1637.0	1671.6	1699.4
15°	1442.7	1387.3	1331.8	1297.1	1262.4	1234.7	1269.3	1290.1	1324.8	1352.6	1366.4
17.5°	1095.9	1068.2	1040.4	1061.3	1061.3	1047.4	1061.3	1068.2	1082.1	1102.9	1095.9
20°	887.8	880.9	874.0	908.7	936.4	936.4	950.3	929.5	922.5	901.7	894.8
22.5°	790.7	790.7	797.7	825.4	853.2	867.0	867.0	832.4	797.7	783.8	790.7
25°	735.2	735.2	756.1	763.0	776.9	776.9	783.8	749.1	728.3	707.5	714.4
27.5°	693.6	693.6	700.6	700.6	707.5	707.5	714.4	700.6	672.8	665.9	665.9
30°	665.9	665.9	658.9	658.9	658.9	658.9	665.9	645.1	631.2	624.3	624.3
32.5°	638.1	631.2	624.3	624.3	617.3	617.3	624.3	603.5	596.5	596.5	596.5
35°	554.9	548.0	554.9	568.8	568.8	575.7	575.7	568.8	554.9	541.0	534.1
37.5°	520.2	513.3	513.3	513.3	527.2	534.1	541.0	527.2	506.3	485.5	485.5
40°	492.5	492.5	485.5	485.5	485.5	499.4	513.3	492.5	464.7	457.8	457.8
42.5°	471.7	464.7	457.8	450.9	443.9	464.7	478.6	450.9	437.0	437.0	437.0
45°	450.9	443.9	437.0	430.0	423.1	430.0	443.9	416.2	409.2	409.2	409.2
47.5°	430.0	423.1	409.2	402.3	395.4	395.4	409.2	388.4	381.5	388.4	388.4
50°	416.2	402.3	388.4	381.5	374.6	374.6	374.6	367.6	367.6	367.6	374.6
52.5°	402.3	388.4	367.6	360.7	353.8	353.8	353.8	353.8	346.8	353.8	360.7
55°	381.5	367.6	353.8	346.8	339.9	332.9	339.9	332.9	332.9	339.9	339.9
57.5°	353.8	339.9	326.0	326.0	319.1	319.1	326.0	319.1	319.1	326.0	326.0
60°	332.9	319.1	305.2	305.2	298.3	305.2	312.1	305.2	305.2	305.2	312.1
62.5°	305.2	298.3	284.4	284.4	284.4	284.4	291.3	284.4	291.3	291.3	291.3
65°	284.4	270.5	263.6	263.6	263.6	263.6	277.5	263.6	270.5	270.5	270.5
67.5°	263.6	249.7	242.8	242.8	242.8	242.8	256.6	242.8	249.7	256.6	249.7
70°	242.8	228.9	222.0	222.0	222.0	222.0	228.9	222.0	222.0	228.9	228.9
72.5°	215.0	208.1	201.2	201.2	194.2	201.2	208.1	201.2	201.2	201.2	201.2
75°	194.2	187.3	187.3	180.3	180.3	180.3	187.3	173.4	173.4	173.4	173.4
77.5°	180.3	166.5	166.5	166.5	159.5	166.5	159.5	145.7	145.7	145.7	145.7
80°	152.6	138.7	145.7	145.7	138.7	138.7	131.8	117.9	117.9	117.9	117.9
82.5°	124.9	111.0	117.9	117.9	117.9	117.9	104.0	97.1	90.2	83.2	83.2
85°	111.0	90.2	104.0	104.0	97.1	97.1	69.4	69.4	55.5	55.5	48.6
87.5°	20.8	13.9	27.7	34.7	34.7	41.6	27.7	34.7	20.8	13.9	13.9
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°	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5
2.5°	4397.6	4473.9	4577.9	4654.2	4772.2	4862.3	5001.1	5119.0	5230.0	5278.5	5327.1
5°	3690.1	3738.7	3898.2	4023.0	4210.3	4411.5	4661.2	4931.7	5209.1	5334.0	5479.7
7.5°	2760.6	2850.8	2941.0	3121.3	3350.2	3676.2	3995.3	4397.6	4786.0	4973.3	5223.0
10°	2143.3	2212.7	2316.7	2504.0	2719.0	2989.5	3371.0	3849.6	4314.4	4557.1	4813.8
12.5°	1720.2	1817.3	1956.0	2150.2	2400.0	2677.4	2954.9	3398.8	3939.8	4217.3	4508.6
15°	1394.2	1470.5	1623.1	1865.9	2157.2	2441.6	2732.9	3100.5	3690.1	4009.2	4356.0
17.5°	1109.8	1165.3	1304.0	1546.8	1838.1	2157.2	2490.1	2954.9	3606.9	3995.3	4404.5
20°	901.7	943.3	1033.5	1213.8	1491.3	1838.1	2254.3	2816.1	3655.4	4154.8	4654.2
22.5°	790.7	804.6	846.2	943.3	1172.2	1539.9	2039.3	2698.2	3745.6	4390.7	5063.5
25°	714.4	728.3	742.2	804.6	936.4	1283.2	1852.0	2628.9	3939.8	4737.5	5535.2
27.5°	665.9	679.8	686.7	714.4	804.6	1095.9	1692.5	2587.2	4203.4	5243.8	6117.8
30°	624.3	624.3	645.1	686.7	749.1	964.1	1553.7	2490.1	4480.8	5666.9	6575.6
32.5°	589.6	596.5	624.3	645.1	686.7	853.2	1415.0	2365.3	4730.5	6013.8	7026.5
35°	527.2	527.2	534.1	568.8	624.3	763.0	1290.1	2240.4	4869.3	6353.6	7428.8
37.5°	485.5	492.5	506.3	534.1	582.6	700.6	1186.1	2101.7	5014.9	6672.7	7900.4
40°	457.8	464.7	478.6	506.3	554.9	645.1	1095.9	1990.7	5167.5	7019.5	8406.8
42.5°	437.0	443.9	457.8	485.5	527.2	631.2	998.8	1900.5	5257.7	7338.6	8885.4
45°	416.2	423.1	443.9	471.7	506.3	617.3	943.3	1838.1	5292.4	7553.6	9266.9
47.5°	395.4	402.3	423.1	464.7	506.3	596.5	922.5	1803.4	5320.1	7796.4	9572.1
50°	374.6	388.4	416.2	457.8	513.3	568.8	908.7	1796.5	5479.7	8108.5	9863.4
52.5°	360.7	381.5	409.2	457.8	506.3	527.2	901.7	1817.3	5798.7	8573.2	10279.6
55°	346.8	367.6	395.4	457.8	485.5	492.5	867.0	1852.0	6284.3	9218.3	10869.2
57.5°	332.9	346.8	381.5	443.9	457.8	464.7	797.7	1900.5	6769.8	9849.5	11472.6
60°	312.1	326.0	360.7	443.9	416.2	437.0	707.5	1914.4	7116.6	10050.7	11528.1
62.5°	291.3	305.2	339.9	457.8	381.5	409.2	631.2	1865.9	7186.0	9759.3	11216.0
65°	270.5	284.4	312.1	381.5	353.8	381.5	582.6	1734.1	6957.1	9093.5	10647.2
67.5°	249.7	263.6	284.4	312.1	319.1	346.8	561.8	1526.0	6381.4	8268.0	9870.3
70°	222.0	235.8	256.6	277.5	284.4	326.0	527.2	1324.8	5451.9	7165.2	8920.1
72.5°	201.2	208.1	228.9	242.8	256.6	298.3	506.3	1158.4	4168.7	5798.7	7276.2
75°	173.4	173.4	194.2	208.1	222.0	263.6	464.7	964.1	2941.0	4425.3	5347.9
77.5°	145.7	145.7	159.5	173.4	187.3	228.9	395.4	783.8	2039.3	3509.8	3877.4
80°	111.0	111.0	124.9	138.7	152.6	194.2	319.1	575.7	1262.4	2566.4	2823.1
82.5°	76.3	76.3	97.1	104.0	111.0	152.6	242.8	395.4	742.2	1852.0	2018.5
85°	41.6	41.6	55.5	62.4	76.3	111.0	180.3	277.5	443.9	1338.7	1345.6
87.5°	6.9	6.9	20.8	20.8	34.7	55.5	104.0	152.6	249.7	742.2	471.7
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: P598624
 CATALOG NUMBER: IFLD-S-SA3D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5
2.5°	5417.2	5493.5	5500.5	5500.5	5465.8	5472.7	5375.6	5271.6	5236.9	5230.0
5°	5701.6	5902.8	5958.3	5986.0	5895.8	5757.1	5507.4	5236.9	5098.2	5077.4
7.5°	5646.1	6048.4	6263.5	6291.2	6110.9	5784.9	5347.9	4931.7	4772.2	4730.5
10°	5320.1	5861.2	6249.6	6346.7	6152.5	5736.3	5167.5	4682.0	4487.8	4453.1
12.5°	5091.2	5611.5	5992.9	6124.7	6034.6	5673.9	5077.4	4522.5	4328.2	4279.7
15°	4966.4	5445.0	5694.7	5736.3	5729.4	5576.8	5077.4	4557.1	4342.1	4286.6
17.5°	5070.4	5396.4	5431.1	5334.0	5389.5	5465.8	5188.3	4744.4	4536.3	4487.8
20°	5278.5	5375.6	5209.1	5063.5	5091.2	5334.0	5361.7	5098.2	4931.7	4848.5
22.5°	5715.5	5451.9	5070.4	4869.3	4890.1	5230.0	5590.6	5576.8	5431.1	5389.5
25°	6159.4	5666.9	5028.8	4793.0	4820.7	5209.1	5861.2	6110.9	6034.6	6013.8
27.5°	6651.9	6027.6	5056.5	4758.3	4793.0	5236.9	6048.4	6561.7	6575.6	6554.8
30°	6984.8	6201.0	5139.8	4799.9	4848.5	5306.3	6090.1	6832.2	6957.1	6964.0
32.5°	7262.3	6374.4	5313.2	4869.3	4952.5	5431.1	6201.0	7088.9	7366.3	7373.3
35°	7484.2	6568.7	5528.2	4994.1	5119.0	5639.2	6346.7	7331.6	7747.8	7796.4
37.5°	7768.6	6783.7	5777.9	5264.6	5403.4	5937.5	6603.3	7616.0	8198.7	8330.5
40°	8073.8	6998.7	6138.6	5701.6	5902.8	6381.4	6894.7	7935.1	8580.2	8760.5
42.5°	8413.7	7227.6	6547.8	6291.2	6596.4	6943.2	7227.6	8226.4	8871.5	9079.6
45°	8746.7	7505.1	7144.4	7095.8	7435.7	7609.1	7553.6	8434.5	9149.0	9357.0
47.5°	8982.5	7907.4	7865.7	8157.1	8476.1	8386.0	7935.1	8587.1	9377.9	9606.7
50°	9197.5	8406.8	8774.4	9343.2	9537.4	9232.2	8344.3	8795.2	9620.6	9877.3
52.5°	9516.6	8940.9	9710.8	10418.3	10605.6	10120.0	8788.3	9135.1	9995.2	10224.1
55°	10168.6	9544.3	10688.8	11500.4	11535.0	10931.6	9384.8	9710.8	10522.3	10785.9
57.5°	10896.9	10286.5	11465.7	12395.1	12381.3	11743.1	10057.6	10487.7	11236.8	11417.1
60°	11555.8	11035.6	12311.9	13033.3	12998.6	12332.7	10841.4	11368.6	12055.3	12194.0
62.5°	11944.3	11715.4	12686.5	13234.4	13102.6	12526.9	11507.3	12152.4	12637.9	12686.5
65°	11881.8	12103.8	12249.5	12589.4	12402.1	11985.9	11833.3	12651.8	12700.3	12651.8
67.5°	11410.2	11881.8	11049.5	11084.2	10987.1	10633.3	11326.9	12520.0	12187.0	12069.1
70°	10695.7	10730.4	9239.1	8802.1	8954.7	8469.2	9717.7	11493.4	10980.1	10834.5
72.5°	9509.6	9079.6	6984.8	6540.9	6769.8	6423.0	7796.4	10016.0	9516.6	9044.9
75°	7976.7	7192.9	5320.1	4688.9	4806.8	4793.0	6041.5	8275.0	7373.3	6901.6
77.5°	6180.2	5604.5	3925.9	3683.2	3558.3	3586.1	4217.3	6152.5	5347.9	4758.3
80°	4515.5	3919.0	3038.1	3176.8	3107.5	2941.0	2954.9	4120.2	3717.8	3364.1
82.5°	3121.3	2788.4	2462.4	2781.4	2615.0	2358.3	2302.8	2968.7	2788.4	2573.4
85°	2094.8	2295.9	1956.0	2129.4	1845.1	1699.4	2164.1	2483.2	2004.6	1789.6
87.5°	1366.4	2101.7	1408.1	1068.2	610.4	818.5	1324.8	1630.0	936.4	506.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)