

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: P598651

Luminaire Tested: **IFLD-S-SA3B-730-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598651
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3B-730-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (48) 3000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

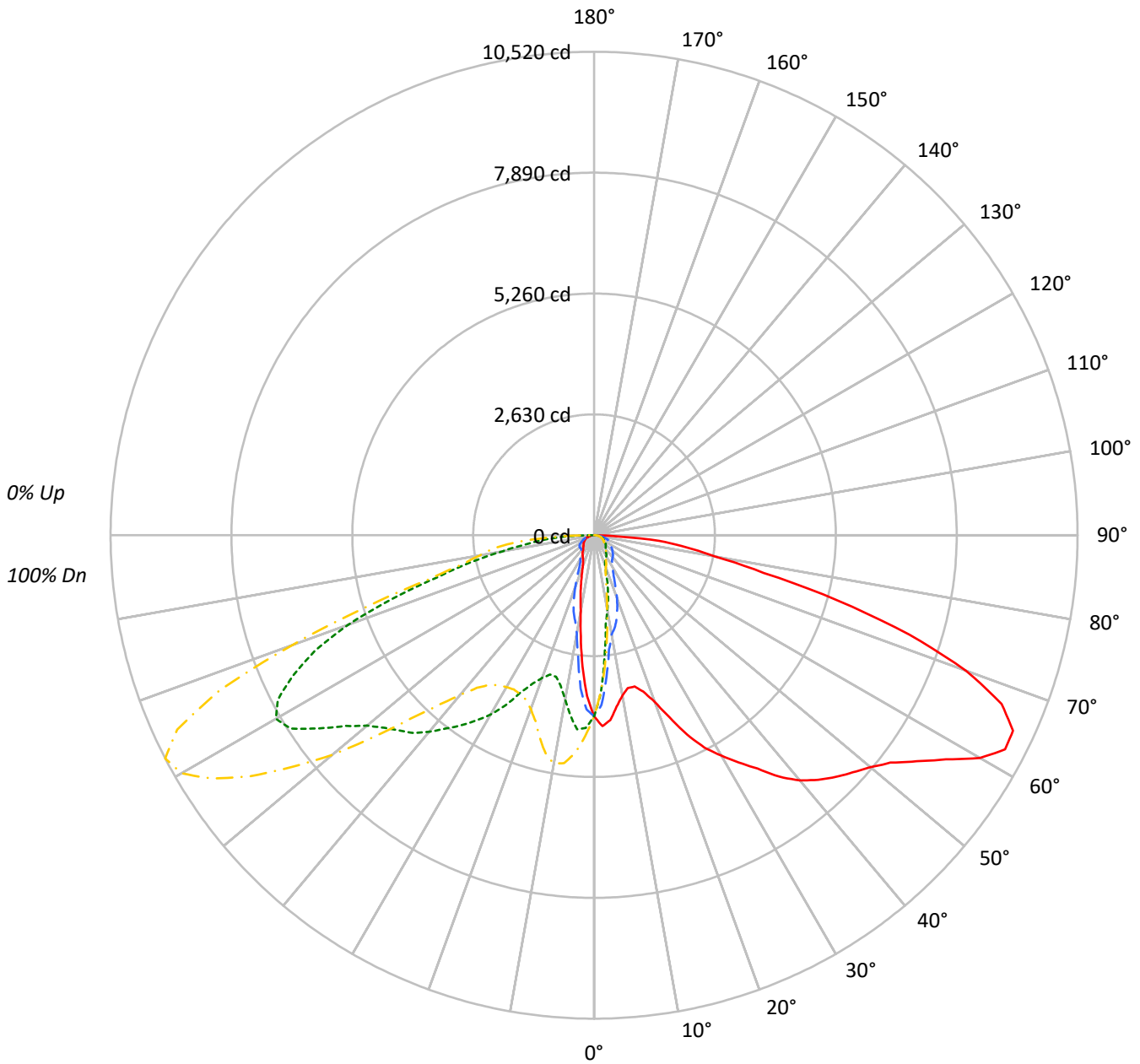
Lumens per Lamp: N/A
 Luminaire Lumens: 13179.4 lumens
 Efficiency: N/A
 Efficacy: 107.7 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 122.4
 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	100			100	
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77			77	
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59			59	
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46			46	
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36			36	
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30			30	
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25			25	
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21			21	
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18			18	
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16			16	
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14			14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	56502	56502	56502	56502
5°	58148	37812	41307	61087
10°	51588	24027	24267	52793
15°	50631	17041	16139	47353
20°	58865	10780	10864	50444
25°	75703	9256	8993	59637
30°	91743	8772	8225	74656
35°	108585	7728	7439	88490
40°	130473	7335	6818	104543
45°	150972	7274	6602	121873
50°	175312	7386	6649	143919
55°	214539	7589	6761	183359
60°	278240	7598	7121	229335
65°	341544	7678	7301	245483
70°	361407	8099	7637	239012
75°	304223	8562	7641	195073
80°	221021	10025	7744	168613
85°	234259	14524	6356	175241

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.7	2.3
10°-20°	637.7	4.8
20°-30°	918.9	7.0
30°-40°	1322.9	10.0
40°-50°	1879.1	14.3
50°-60°	2701.6	20.5
60°-70°	3121.2	23.7
70°-80°	1767.3	13.4
80°-90°	526.0	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°	1861.3	14.1
0°-40°	3184.2	24.2
0°-60°	7764.9	58.9
0°-90°	13179.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13179.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3937	3937	3937	3937	3937	
5°	4036	2625	2867	4240	4036	366
15°	3408	1147	1086	3187	3408	1002
25°	4781	584	568	3766	4781	2219
35°	6198	441	425	5051	6198	3933
45°	7438	358	325	6005	7438	5760
55°	8574	303	270	7328	8574	7765
65°	10057	226	215	7229	10057	9644
75°	5486	154	138	3518	5486	5821
85°	1423	88	39	1064	1423	1417
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°	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9
2.5°	4157.5	4152.0	4118.9	4014.1	3903.8	3799.1	3699.8	3595.1	3539.9	3473.8	3446.2
5°	4036.2	4025.2	3931.4	3699.8	3495.8	3275.3	3087.8	2938.9	2817.6	2696.3	2652.2
7.5°	3760.5	3743.9	3633.7	3313.9	3016.1	2729.4	2503.3	2310.3	2150.4	2078.7	1996.0
10°	3539.9	3512.4	3369.0	3016.1	2630.1	2343.4	2194.5	2062.2	1924.4	1808.6	1687.3
12.5°	3402.1	3369.0	3220.1	2806.6	2431.6	2216.6	2062.2	1913.3	1742.4	1599.0	1466.7
15°	3407.6	3369.0	3187.0	2751.4	2382.0	2106.3	1891.3	1687.3	1488.8	1328.9	1180.0
17.5°	3567.5	3517.9	3324.9	2828.6	2343.4	1963.0	1676.2	1411.6	1185.5	1014.6	893.3
20°	3854.2	3821.1	3600.6	2944.4	2304.8	1808.6	1455.7	1135.9	898.8	766.4	716.8
22.5°	4284.3	4245.7	4008.6	3120.9	2293.8	1670.7	1218.6	893.3	722.3	667.2	639.6
25°	4780.6	4708.9	4488.3	3418.6	2315.8	1543.9	1025.6	738.9	645.1	606.5	590.0
27.5°	5210.6	5166.5	4918.4	3699.8	2326.9	1444.6	893.3	672.7	601.0	567.9	556.9
30°	5536.0	5519.4	5276.8	4008.6	2299.3	1323.3	810.5	645.1	601.0	567.9	534.8
32.5°	5861.3	5866.8	5607.6	4245.7	2260.7	1218.6	733.4	573.4	529.3	507.3	512.8
35°	6197.6	6225.2	6004.6	4477.3	2178.0	1180.0	678.2	534.8	496.3	463.2	446.6
37.5°	6622.2	6693.9	6478.8	4736.4	2095.3	1146.9	650.6	507.3	468.7	441.1	419.1
40°	6964.1	7096.4	6969.6	4979.1	2040.1	1108.3	628.6	479.7	452.1	419.1	402.5
42.5°	7217.7	7372.1	7328.0	5166.5	2040.1	1069.7	606.5	463.2	441.1	402.5	380.5
45°	7438.3	7598.2	7592.7	5359.5	2084.3	1047.6	579.0	463.2	430.1	391.5	369.4
47.5°	7636.8	7796.7	7851.8	5602.1	2155.9	1036.6	545.9	452.1	430.1	386.0	352.9
50°	7851.8	8028.3	8193.7	5988.1	2244.2	1009.0	523.8	435.6	435.6	380.5	341.9
52.5°	8127.5	8326.0	8629.3	6467.8	2332.4	959.4	490.7	424.6	435.6	374.9	330.8
55°	8574.1	8739.5	9136.5	7041.3	2442.7	898.8	463.2	397.0	413.5	358.4	314.3
57.5°	9075.9	9219.3	9550.1	7482.4	2475.7	821.6	424.6	369.4	397.0	341.9	292.2
60°	9693.5	9765.1	9765.1	7609.2	2365.5	749.9	397.0	347.4	358.4	325.3	275.7
62.5°	10084.9	10084.9	9765.1	7377.6	2155.9	689.2	374.9	325.3	314.3	303.3	259.2
65°	10057.4	10013.3	9539.1	6704.9	1913.3	650.6	352.9	297.8	281.2	275.7	242.6
67.5°	9594.2	9517.0	8871.9	5756.5	1659.7	634.1	330.8	270.2	259.2	248.1	220.6
70°	8612.7	8414.2	7620.2	4631.7	1411.6	623.1	325.3	248.1	237.1	226.1	204.0
72.5°	7190.1	6936.5	5949.5	3562.0	1185.5	584.5	308.8	220.6	215.0	204.0	182.0
75°	5486.3	5017.7	4152.0	2723.9	920.8	507.3	264.7	193.0	193.0	187.5	165.4
77.5°	3782.5	3539.9	2894.8	2012.6	672.7	391.5	215.0	170.9	170.9	176.4	154.4
80°	2674.2	2448.2	2062.2	1444.6	424.6	264.7	165.4	143.4	159.9	170.9	143.4
82.5°	2045.7	1880.2	1532.9	1053.2	248.1	182.0	126.8	115.8	137.8	148.9	121.3
85°	1422.6	1224.1	777.5	705.8	143.4	110.3	93.7	93.7	121.3	148.9	110.3
87.5°	402.5	170.9	49.6	209.5	60.7	44.1	33.1	22.1	33.1	33.1	22.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9
2.5°	3418.6	3385.5	3385.5	3374.5	3380.0	3385.5	3380.0	3418.6	3435.2	3457.2	3501.3
5°	2624.6	2668.7	2635.6	2668.7	2712.8	2779.0	2795.6	2845.2	2850.7	2889.3	2867.2
7.5°	1946.4	1940.9	1913.3	1951.9	2073.2	2167.0	2211.1	2238.6	2244.2	2244.2	2216.6
10°	1648.7	1599.0	1549.4	1521.8	1532.9	1632.1	1665.2	1681.7	1670.7	1687.3	1665.2
12.5°	1411.6	1367.4	1295.8	1246.1	1213.1	1240.6	1273.7	1290.3	1301.3	1328.9	1350.9
15°	1146.9	1102.8	1058.7	1031.1	1003.5	981.5	1009.0	1025.6	1053.2	1075.2	1086.2
17.5°	871.2	849.1	827.1	843.6	843.6	832.6	843.6	849.1	860.2	876.7	871.2
20°	705.8	700.3	694.8	722.3	744.4	744.4	755.4	738.9	733.4	716.8	711.3
22.5°	628.6	628.6	634.1	656.2	678.2	689.2	689.2	661.7	634.1	623.1	628.6
25°	584.5	584.5	601.0	606.5	617.6	617.6	623.1	595.5	579.0	562.4	567.9
27.5°	551.4	551.4	556.9	556.9	562.4	562.4	567.9	556.9	534.8	529.3	529.3
30°	529.3	529.3	523.8	523.8	523.8	523.8	529.3	512.8	501.8	496.3	496.3
32.5°	507.3	501.8	496.3	496.3	490.7	490.7	496.3	479.7	474.2	474.2	474.2
35°	441.1	435.6	441.1	452.1	452.1	457.7	457.7	452.1	441.1	430.1	424.6
37.5°	413.5	408.0	408.0	408.0	419.1	424.6	430.1	419.1	402.5	386.0	386.0
40°	391.5	391.5	386.0	386.0	386.0	397.0	408.0	391.5	369.4	363.9	363.9
42.5°	374.9	369.4	363.9	358.4	352.9	369.4	380.5	358.4	347.4	347.4	347.4
45°	358.4	352.9	347.4	341.9	336.3	341.9	352.9	330.8	325.3	325.3	325.3
47.5°	341.9	336.3	325.3	319.8	314.3	314.3	325.3	308.8	303.3	308.8	308.8
50°	330.8	319.8	308.8	303.3	297.8	297.8	297.8	292.2	292.2	292.2	297.8
52.5°	319.8	308.8	292.2	286.7	281.2	281.2	281.2	281.2	275.7	281.2	286.7
55°	303.3	292.2	281.2	275.7	270.2	264.7	270.2	264.7	264.7	270.2	270.2
57.5°	281.2	270.2	259.2	259.2	253.6	253.6	259.2	253.6	253.6	259.2	259.2
60°	264.7	253.6	242.6	242.6	237.1	242.6	248.1	242.6	242.6	242.6	248.1
62.5°	242.6	237.1	226.1	226.1	226.1	226.1	231.6	226.1	231.6	231.6	231.6
65°	226.1	215.0	209.5	209.5	209.5	209.5	220.6	209.5	215.0	215.0	215.0
67.5°	209.5	198.5	193.0	193.0	193.0	193.0	204.0	193.0	198.5	204.0	198.5
70°	193.0	182.0	176.4	176.4	176.4	176.4	182.0	176.4	176.4	182.0	182.0
72.5°	170.9	165.4	159.9	159.9	154.4	159.9	165.4	159.9	159.9	159.9	159.9
75°	154.4	148.9	148.9	143.4	143.4	143.4	148.9	137.8	137.8	137.8	137.8
77.5°	143.4	132.3	132.3	132.3	126.8	132.3	126.8	115.8	115.8	115.8	115.8
80°	121.3	110.3	115.8	115.8	110.3	110.3	104.8	93.7	93.7	93.7	93.7
82.5°	99.3	88.2	93.7	93.7	93.7	93.7	82.7	77.2	71.7	66.2	66.2
85°	88.2	71.7	82.7	82.7	77.2	77.2	55.1	55.1	44.1	44.1	38.6
87.5°	16.5	11.0	22.1	27.6	27.6	33.1	22.1	27.6	16.5	11.0	11.0
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°	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9
2.5°	3495.8	3556.5	3639.2	3699.8	3793.6	3865.3	3975.5	4069.3	4157.5	4196.1	4234.7
5°	2933.4	2972.0	3098.8	3198.1	3346.9	3506.8	3705.3	3920.4	4140.9	4240.2	4356.0
7.5°	2194.5	2266.2	2337.9	2481.3	2663.2	2922.4	3176.0	3495.8	3804.6	3953.5	4152.0
10°	1703.8	1758.9	1841.6	1990.5	2161.5	2376.5	2679.8	3060.2	3429.7	3622.6	3826.7
12.5°	1367.4	1444.6	1554.9	1709.3	1907.8	2128.4	2348.9	2701.8	3131.9	3352.5	3584.0
15°	1108.3	1168.9	1290.3	1483.2	1714.8	1940.9	2172.5	2464.7	2933.4	3187.0	3462.7
17.5°	882.2	926.3	1036.6	1229.6	1461.2	1714.8	1979.5	2348.9	2867.2	3176.0	3501.3
20°	716.8	749.9	821.6	964.9	1185.5	1461.2	1792.0	2238.6	2905.8	3302.8	3699.8
22.5°	628.6	639.6	672.7	749.9	931.9	1224.1	1621.1	2144.9	2977.5	3490.3	4025.2
25°	567.9	579.0	590.0	639.6	744.4	1020.1	1472.2	2089.8	3131.9	3766.0	4400.1
27.5°	529.3	540.4	545.9	567.9	639.6	871.2	1345.4	2056.7	3341.4	4168.5	4863.3
30°	496.3	496.3	512.8	545.9	595.5	766.4	1235.1	1979.5	3562.0	4504.9	5227.2
32.5°	468.7	474.2	496.3	512.8	545.9	678.2	1124.8	1880.2	3760.5	4780.6	5585.6
35°	419.1	419.1	424.6	452.1	496.3	606.5	1025.6	1781.0	3870.8	5050.7	5905.4
37.5°	386.0	391.5	402.5	424.6	463.2	556.9	942.9	1670.7	3986.6	5304.4	6280.3
40°	363.9	369.4	380.5	402.5	441.1	512.8	871.2	1582.5	4107.9	5580.1	6682.9
42.5°	347.4	352.9	363.9	386.0	419.1	501.8	794.0	1510.8	4179.5	5833.7	7063.3
45°	330.8	336.3	352.9	374.9	402.5	490.7	749.9	1461.2	4207.1	6004.6	7366.6
47.5°	314.3	319.8	336.3	369.4	402.5	474.2	733.4	1433.6	4229.2	6197.6	7609.2
50°	297.8	308.8	330.8	363.9	408.0	452.1	722.3	1428.1	4356.0	6445.8	7840.8
52.5°	286.7	303.3	325.3	363.9	402.5	419.1	716.8	1444.6	4609.6	6815.2	8171.6
55°	275.7	292.2	314.3	363.9	386.0	391.5	689.2	1472.2	4995.6	7328.0	8640.3
57.5°	264.7	275.7	303.3	352.9	363.9	369.4	634.1	1510.8	5381.6	7829.8	9120.0
60°	248.1	259.2	286.7	352.9	330.8	347.4	562.4	1521.8	5657.3	7989.7	9164.1
62.5°	231.6	242.6	270.2	363.9	303.3	325.3	501.8	1483.2	5712.4	7758.1	8916.0
65°	215.0	226.1	248.1	303.3	281.2	303.3	463.2	1378.5	5530.5	7228.7	8463.9
67.5°	198.5	209.5	226.1	248.1	253.6	275.7	446.6	1213.1	5072.8	6572.6	7846.3
70°	176.4	187.5	204.0	220.6	226.1	259.2	419.1	1053.2	4333.9	5695.9	7090.9
72.5°	159.9	165.4	182.0	193.0	204.0	237.1	402.5	920.8	3313.9	4609.6	5784.1
75°	137.8	137.8	154.4	165.4	176.4	209.5	369.4	766.4	2337.9	3517.9	4251.2
77.5°	115.8	115.8	126.8	137.8	148.9	182.0	314.3	623.1	1621.1	2790.0	3082.3
80°	88.2	88.2	99.3	110.3	121.3	154.4	253.6	457.7	1003.5	2040.1	2244.2
82.5°	60.7	60.7	77.2	82.7	88.2	121.3	193.0	314.3	590.0	1472.2	1604.5
85°	33.1	33.1	44.1	49.6	60.7	88.2	143.4	220.6	352.9	1064.2	1069.7
87.5°	5.5	5.5	16.5	16.5	27.6	44.1	82.7	121.3	198.5	590.0	374.9
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: P598651
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9	3936.9
2.5°	4306.4	4367.0	4372.5	4372.5	4345.0	4350.5	4273.3	4190.6	4163.0	4157.5
5°	4532.4	4692.3	4736.4	4758.5	4686.8	4576.5	4378.0	4163.0	4052.7	4036.2
7.5°	4488.3	4808.1	4979.1	5001.1	4857.8	4598.6	4251.2	3920.4	3793.6	3760.5
10°	4229.2	4659.3	4968.0	5045.2	4890.8	4560.0	4107.9	3721.9	3567.5	3539.9
12.5°	4047.2	4460.8	4764.0	4868.8	4797.1	4510.4	4036.2	3595.1	3440.7	3402.1
15°	3948.0	4328.4	4526.9	4560.0	4554.5	4433.2	4036.2	3622.6	3451.7	3407.6
17.5°	4030.7	4289.8	4317.4	4240.2	4284.3	4345.0	4124.4	3771.5	3606.1	3567.5
20°	4196.1	4273.3	4140.9	4025.2	4047.2	4240.2	4262.3	4052.7	3920.4	3854.2
22.5°	4543.5	4333.9	4030.7	3870.8	3887.3	4157.5	4444.2	4433.2	4317.4	4284.3
25°	4896.4	4504.9	3997.6	3810.1	3832.2	4140.9	4659.3	4857.8	4797.1	4780.6
27.5°	5287.8	4791.6	4019.6	3782.5	3810.1	4163.0	4808.1	5216.2	5227.2	5210.6
30°	5552.5	4929.4	4085.8	3815.6	3854.2	4218.1	4841.2	5431.2	5530.5	5536.0
32.5°	5773.1	5067.3	4223.7	3870.8	3936.9	4317.4	4929.4	5635.2	5855.8	5861.3
35°	5949.5	5221.7	4394.6	3970.0	4069.3	4482.8	5045.2	5828.2	6159.0	6197.6
37.5°	6175.6	5392.6	4593.1	4185.1	4295.3	4719.9	5249.2	6054.3	6517.4	6622.2
40°	6418.2	5563.5	4879.8	4532.4	4692.3	5072.8	5480.8	6307.9	6820.7	6964.1
42.5°	6688.4	5745.5	5205.1	5001.1	5243.7	5519.4	5745.5	6539.5	7052.3	7217.7
45°	6953.0	5966.1	5679.3	5640.7	5910.9	6048.8	6004.6	6704.9	7272.8	7438.3
47.5°	7140.5	6285.9	6252.8	6484.4	6738.0	6666.3	6307.9	6826.2	7454.8	7636.8
50°	7311.4	6682.9	6975.1	7427.2	7581.6	7339.0	6633.2	6991.6	7647.8	7851.8
52.5°	7565.1	7107.4	7719.5	8281.9	8430.8	8044.8	6986.1	7261.8	7945.5	8127.5
55°	8083.4	7587.1	8496.9	9142.1	9169.6	8689.9	7460.3	7719.5	8364.6	8574.1
57.5°	8662.4	8177.1	9114.5	9853.4	9842.3	9335.1	7995.2	8337.0	8932.5	9075.9
60°	9186.2	8772.6	9787.2	10360.6	10333.1	9803.7	8618.2	9037.3	9583.2	9693.5
62.5°	9495.0	9313.0	10084.9	10520.5	10415.8	9958.1	9147.6	9660.4	10046.3	10084.9
65°	9445.3	9621.8	9737.6	10007.7	9858.9	9528.0	9406.7	10057.4	10096.0	10057.4
67.5°	9070.4	9445.3	8783.7	8811.2	8734.0	8452.8	9004.2	9952.6	9687.9	9594.2
70°	8502.4	8530.0	7344.5	6997.2	7118.5	6732.5	7725.0	9136.5	8728.5	8612.7
72.5°	7559.6	7217.7	5552.5	5199.6	5381.6	5105.9	6197.6	7962.1	7565.1	7190.1
75°	6341.0	5717.9	4229.2	3727.4	3821.1	3810.1	4802.6	6578.1	5861.3	5486.3
77.5°	4912.9	4455.2	3120.9	2927.9	2828.6	2850.7	3352.5	4890.8	4251.2	3782.5
80°	3589.6	3115.4	2415.1	2525.4	2470.2	2337.9	2348.9	3275.3	2955.5	2674.2
82.5°	2481.3	2216.6	1957.4	2211.1	2078.7	1874.7	1830.6	2360.0	2216.6	2045.7
85°	1665.2	1825.1	1554.9	1692.8	1466.7	1350.9	1720.3	1974.0	1593.5	1422.6
87.5°	1086.2	1670.7	1119.3	849.1	485.2	650.6	1053.2	1295.8	744.4	402.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)