

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: P598714

Luminaire Tested: **IFLD-S-SA6B-740-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598714
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6B-740-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (96) 4000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

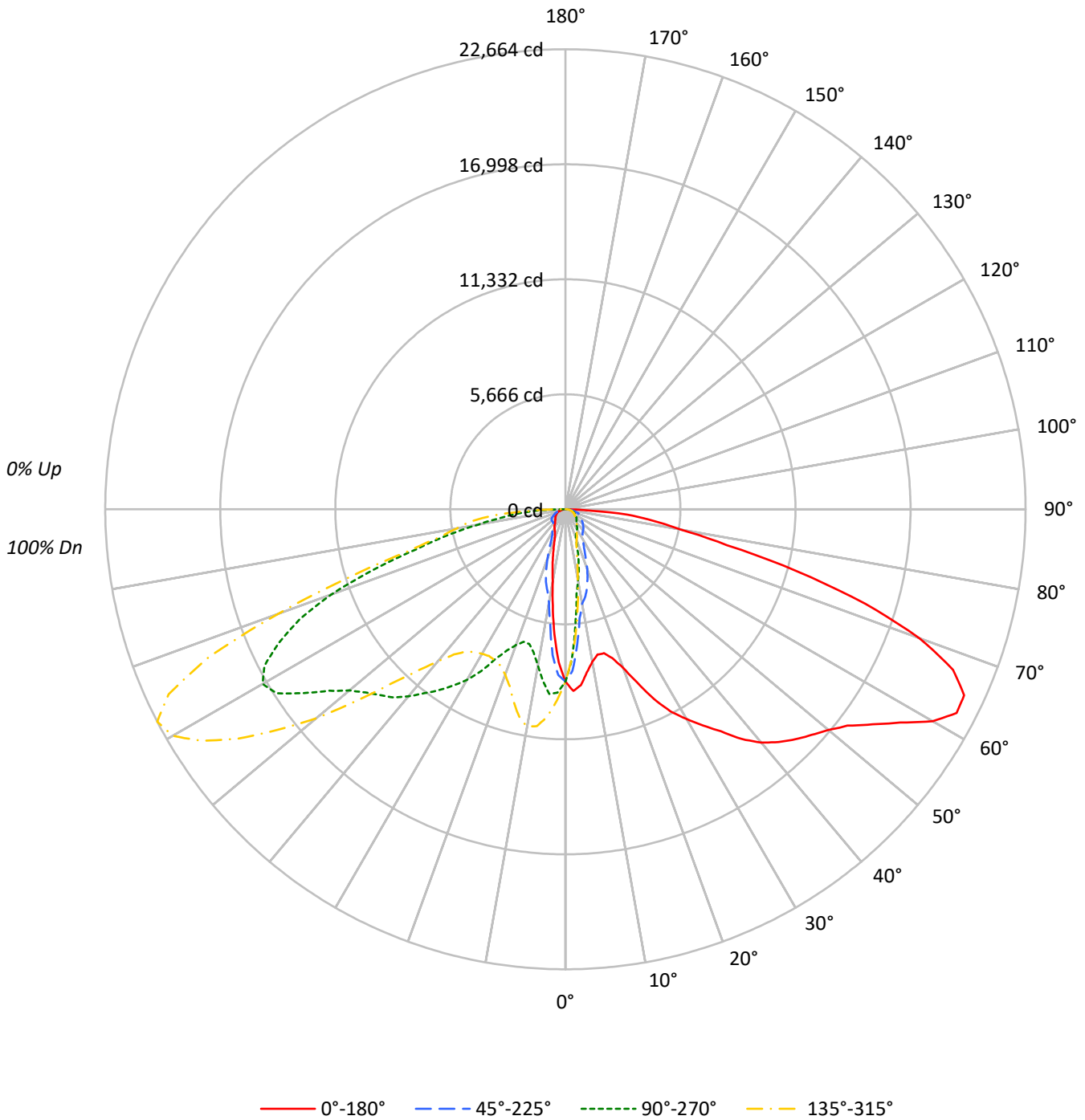
Lumens per Lamp: N/A
 Luminaire Lumens: 28392.0 lumens
 Efficiency: N/A
 Efficacy: 115.9 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 244.9
 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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	60861	60861	60861	60861
5°	62633	40728	44494	65799
10°	55568	25880	26139	56866
15°	54536	18355	17385	51006
20°	63406	11611	11701	54335
25°	81542	9969	9687	64237
30°	98820	9449	8859	80414
35°	116961	8325	8012	95317
40°	140536	7901	7344	112607
45°	162617	7836	7112	131275
50°	188834	7956	7160	155019
55°	231088	8173	7281	197503
60°	299700	8183	7671	247023
65°	367888	8269	7867	264420
70°	389287	8722	8225	257446
75°	327693	9222	8235	210119
80°	238075	10798	8343	181622
85°	252323	15652	6842	188752

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.4	2.3
10°-20°	1373.7	4.8
20°-30°	1979.7	7.0
30°-40°	2849.9	10.0
40°-50°	4048.1	14.3
50°-60°	5820.0	20.5
60°-70°	6724.0	23.7
70°-80°	3807.3	13.4
80°-90°	1133.1	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°	4009.7	14.1
0°-40°	6859.6	24.2
0°-60°	16727.7	58.9
0°-90°	28392.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28392.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8481	8481	8481	8481	8481	
5°	8695	5654	6177	9134	8695	789
15°	7341	2471	2340	6866	7341	2159
25°	10299	1259	1224	8113	10299	4780
35°	13351	950	915	10881	13351	8474
45°	16024	772	701	12936	16024	12408
55°	18471	653	582	15786	18471	16728
65°	21666	487	463	15573	21666	20776
75°	11819	333	297	7578	11819	12541
85°	3065	190	83	2292	3065	3052
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°	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2
2.5°	8956.4	8944.5	8873.2	8647.5	8409.9	8184.3	7970.4	7744.8	7626.0	7483.4	7424.0
5°	8695.0	8671.3	8469.3	7970.4	7530.9	7055.8	6651.9	6331.2	6069.9	5808.6	5713.5
7.5°	8101.1	8065.5	7827.9	7139.0	6497.5	5879.8	5392.8	4977.1	4632.6	4478.2	4300.0
10°	7626.0	7566.6	7257.7	6497.5	5666.0	5048.3	4727.6	4442.5	4145.6	3896.1	3634.8
12.5°	7329.0	7257.7	6937.0	6046.1	5238.4	4775.1	4442.5	4121.8	3753.6	3444.8	3159.7
15°	7340.9	7257.7	6865.7	5927.4	5131.5	4537.6	4074.3	3634.8	3207.2	2862.7	2542.0
17.5°	7685.4	7578.5	7162.7	6093.6	5048.3	4228.7	3611.1	3040.9	2553.9	2185.6	1924.3
20°	8303.0	8231.8	7756.6	6343.1	4965.2	3896.1	3135.9	2447.0	1936.2	1651.1	1544.2
22.5°	9229.6	9146.4	8635.6	6723.2	4941.4	3599.2	2625.1	1924.3	1556.1	1437.3	1377.9
25°	10298.6	10144.2	9669.1	7364.6	4989.0	3326.0	2209.4	1591.7	1389.8	1306.6	1271.0
27.5°	11225.1	11130.1	10595.6	7970.4	5012.7	3112.2	1924.3	1449.2	1294.8	1223.5	1199.7
30°	11926.0	11890.3	11367.7	8635.6	4953.3	2850.8	1746.1	1389.8	1294.8	1223.5	1152.2
32.5°	12626.8	12638.7	12080.4	9146.4	4870.2	2625.1	1579.8	1235.4	1140.3	1092.8	1104.7
35°	13351.4	13410.8	12935.6	9645.3	4692.0	2542.0	1461.1	1152.2	1069.1	997.8	962.2
37.5°	14266.0	14420.5	13957.2	10203.6	4513.8	2470.7	1401.7	1092.8	1009.7	950.3	902.8
40°	15002.5	15287.6	15014.4	10726.2	4395.0	2387.6	1354.1	1033.4	974.0	902.8	867.1
42.5°	15548.9	15881.5	15786.5	11130.1	4395.0	2304.4	1306.6	997.8	950.3	867.1	819.6
45°	16024.0	16368.5	16356.6	11545.9	4490.1	2256.9	1247.2	997.8	926.5	843.4	795.9
47.5°	16451.7	16796.1	16914.9	12068.5	4644.5	2233.2	1176.0	974.0	926.5	831.5	760.2
50°	16914.9	17295.0	17651.4	12900.0	4834.5	2173.8	1128.5	938.4	938.4	819.6	736.5
52.5°	17508.8	17936.5	18589.8	13933.4	5024.6	2066.9	1057.2	914.6	938.4	807.7	712.7
55°	18471.0	18827.4	19682.6	15168.8	5262.2	1936.2	997.8	855.2	890.9	772.1	677.1
57.5°	19551.9	19860.8	20573.5	16119.1	5333.4	1769.9	914.6	795.9	855.2	736.5	629.6
60°	20882.3	21036.8	21036.8	16392.3	5095.9	1615.5	855.2	748.3	772.1	700.8	593.9
62.5°	21725.7	21725.7	21036.8	15893.4	4644.5	1484.8	807.7	700.8	677.1	653.3	558.3
65°	21666.3	21571.3	20549.7	14444.2	4121.8	1401.7	760.2	641.4	605.8	593.9	522.7
67.5°	20668.5	20502.2	19112.4	12401.1	3575.4	1366.0	712.7	582.0	558.3	534.5	475.1
70°	18554.2	18126.5	16416.0	9977.9	3040.9	1342.3	700.8	534.5	510.8	487.0	439.5
72.5°	15489.5	14943.1	12816.9	7673.5	2553.9	1259.1	665.2	475.1	463.3	439.5	392.0
75°	11819.1	10809.4	8944.5	5868.0	1983.7	1092.8	570.2	415.7	415.7	403.9	356.4
77.5°	8148.6	7626.0	6236.2	4335.6	1449.2	843.4	463.3	368.2	368.2	380.1	332.6
80°	5761.1	5274.0	4442.5	3112.2	914.6	570.2	356.4	308.8	344.5	368.2	308.8
82.5°	4406.9	4050.6	3302.2	2268.8	534.5	392.0	273.2	249.4	297.0	320.7	261.3
85°	3064.6	2637.0	1674.9	1520.4	308.8	237.6	201.9	201.9	261.3	320.7	237.6
87.5°	867.1	368.2	106.9	451.4	130.7	95.0	71.3	47.5	71.3	71.3	47.5
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°	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2
2.5°	7364.6	7293.4	7293.4	7269.6	7281.5	7293.4	7281.5	7364.6	7400.3	7447.8	7542.8
5°	5654.1	5749.2	5677.9	5749.2	5844.2	5986.7	6022.4	6129.3	6141.2	6224.3	6176.8
7.5°	4193.1	4181.2	4121.8	4205.0	4466.3	4668.2	4763.3	4822.7	4834.5	4834.5	4775.1
10°	3551.7	3444.8	3337.8	3278.5	3302.2	3516.0	3587.3	3622.9	3599.2	3634.8	3587.3
12.5°	3040.9	2945.9	2791.4	2684.5	2613.3	2672.7	2743.9	2779.6	2803.3	2862.7	2910.2
15°	2470.7	2375.7	2280.7	2221.3	2161.9	2114.4	2173.8	2209.4	2268.8	2316.3	2340.1
17.5°	1876.8	1829.3	1781.8	1817.4	1817.4	1793.6	1817.4	1829.3	1853.0	1888.7	1876.8
20°	1520.4	1508.6	1496.7	1556.1	1603.6	1603.6	1627.3	1591.7	1579.8	1544.2	1532.3
22.5°	1354.1	1354.1	1366.0	1413.5	1461.1	1484.8	1484.8	1425.4	1366.0	1342.3	1354.1
25°	1259.1	1259.1	1294.8	1306.6	1330.4	1330.4	1342.3	1282.9	1247.2	1211.6	1223.5
27.5°	1187.8	1187.8	1199.7	1199.7	1211.6	1211.6	1223.5	1199.7	1152.2	1140.3	1140.3
30°	1140.3	1140.3	1128.5	1128.5	1128.5	1128.5	1140.3	1104.7	1080.9	1069.1	1069.1
32.5°	1092.8	1080.9	1069.1	1069.1	1057.2	1057.2	1069.1	1033.4	1021.5	1021.5	1021.5
35°	950.3	938.4	950.3	974.0	974.0	985.9	985.9	974.0	950.3	926.5	914.6
37.5°	890.9	879.0	879.0	879.0	902.8	914.6	926.5	902.8	867.1	831.5	831.5
40°	843.4	843.4	831.5	831.5	831.5	855.2	879.0	843.4	795.9	784.0	784.0
42.5°	807.7	795.9	784.0	772.1	760.2	795.9	819.6	772.1	748.3	748.3	748.3
45°	772.1	760.2	748.3	736.5	724.6	736.5	760.2	712.7	700.8	700.8	700.8
47.5°	736.5	724.6	700.8	689.0	677.1	677.1	700.8	665.2	653.3	665.2	665.2
50°	712.7	689.0	665.2	653.3	641.4	641.4	641.4	629.6	629.6	629.6	641.4
52.5°	689.0	665.2	629.6	617.7	605.8	605.8	605.8	605.8	593.9	605.8	617.7
55°	653.3	629.6	605.8	593.9	582.0	570.2	582.0	570.2	570.2	582.0	582.0
57.5°	605.8	582.0	558.3	558.3	546.4	546.4	558.3	546.4	546.4	558.3	558.3
60°	570.2	546.4	522.7	522.7	510.8	522.7	534.5	522.7	522.7	522.7	534.5
62.5°	522.7	510.8	487.0	487.0	487.0	487.0	498.9	487.0	498.9	498.9	498.9
65°	487.0	463.3	451.4	451.4	451.4	451.4	475.1	451.4	463.3	463.3	463.3
67.5°	451.4	427.6	415.7	415.7	415.7	415.7	439.5	415.7	427.6	439.5	427.6
70°	415.7	392.0	380.1	380.1	380.1	380.1	392.0	380.1	380.1	392.0	392.0
72.5°	368.2	356.4	344.5	344.5	332.6	344.5	356.4	344.5	344.5	344.5	344.5
75°	332.6	320.7	320.7	308.8	308.8	308.8	320.7	297.0	297.0	297.0	297.0
77.5°	308.8	285.1	285.1	285.1	273.2	285.1	273.2	249.4	249.4	249.4	249.4
80°	261.3	237.6	249.4	249.4	237.6	237.6	225.7	201.9	201.9	201.9	201.9
82.5°	213.8	190.1	201.9	201.9	201.9	201.9	178.2	166.3	154.4	142.5	142.5
85°	190.1	154.4	178.2	178.2	166.3	166.3	118.8	118.8	95.0	95.0	83.1
87.5°	35.6	23.8	47.5	59.4	59.4	71.3	47.5	59.4	35.6	23.8	23.8
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°	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2
2.5°	7530.9	7661.6	7839.8	7970.4	8172.4	8326.8	8564.4	8766.3	8956.4	9039.5	9122.7
5°	6319.3	6402.5	6675.7	6889.5	7210.2	7554.7	7982.3	8445.6	8920.7	9134.5	9384.0
7.5°	4727.6	4882.0	5036.5	5345.3	5737.3	6295.6	6842.0	7530.9	8196.1	8516.9	8944.5
10°	3670.4	3789.2	3967.4	4288.1	4656.4	5119.6	5772.9	6592.5	7388.4	7804.1	8243.7
12.5°	2945.9	3112.2	3349.7	3682.3	4109.9	4585.1	5060.2	5820.4	6747.0	7222.1	7721.0
15°	2387.6	2518.2	2779.6	3195.3	3694.2	4181.2	4680.1	5309.7	6319.3	6865.7	7459.7
17.5°	1900.6	1995.6	2233.2	2648.9	3147.8	3694.2	4264.4	5060.2	6176.8	6842.0	7542.8
20°	1544.2	1615.5	1769.9	2078.7	2553.9	3147.8	3860.5	4822.7	6259.9	7115.2	7970.4
22.5°	1354.1	1377.9	1449.2	1615.5	2007.5	2637.0	3492.3	4620.7	6414.4	7519.1	8671.3
25°	1223.5	1247.2	1271.0	1377.9	1603.6	2197.5	3171.5	4501.9	6747.0	8113.0	9479.0
27.5°	1140.3	1164.1	1176.0	1223.5	1377.9	1876.8	2898.3	4430.7	7198.3	8980.1	10476.8
30°	1069.1	1069.1	1104.7	1176.0	1282.9	1651.1	2660.8	4264.4	7673.5	9704.7	11260.8
32.5°	1009.7	1021.5	1069.1	1104.7	1176.0	1461.1	2423.2	4050.6	8101.1	10298.6	12032.9
35°	902.8	902.8	914.6	974.0	1069.1	1306.6	2209.4	3836.7	8338.7	10880.7	12721.8
37.5°	831.5	843.4	867.1	914.6	997.8	1199.7	2031.2	3599.2	8588.1	11427.1	13529.6
40°	784.0	795.9	819.6	867.1	950.3	1104.7	1876.8	3409.1	8849.5	12021.0	14396.7
42.5°	748.3	760.2	784.0	831.5	902.8	1080.9	1710.5	3254.7	9003.9	12567.4	15216.3
45°	712.7	724.6	760.2	807.7	867.1	1057.2	1615.5	3147.8	9063.3	12935.6	15869.6
47.5°	677.1	689.0	724.6	795.9	867.1	1021.5	1579.8	3088.4	9110.8	13351.4	16392.3
50°	641.4	665.2	712.7	784.0	879.0	974.0	1556.1	3076.5	9384.0	13885.9	16891.2
52.5°	617.7	653.3	700.8	784.0	867.1	902.8	1544.2	3112.2	9930.4	14681.8	17603.9
55°	593.9	629.6	677.1	784.0	831.5	843.4	1484.8	3171.5	10761.9	15786.5	18613.5
57.5°	570.2	593.9	653.3	760.2	784.0	795.9	1366.0	3254.7	11593.4	16867.4	19647.0
60°	534.5	558.3	617.7	760.2	712.7	748.3	1211.6	3278.5	12187.3	17211.9	19742.0
62.5°	498.9	522.7	582.0	784.0	653.3	700.8	1080.9	3195.3	12306.1	16713.0	19207.5
65°	463.3	487.0	534.5	653.3	605.8	653.3	997.8	2969.6	11914.1	15572.7	18233.4
67.5°	427.6	451.4	487.0	534.5	546.4	593.9	962.2	2613.3	10928.2	14159.1	16903.0
70°	380.1	403.9	439.5	475.1	487.0	558.3	902.8	2268.8	9336.5	12270.4	15275.7
72.5°	344.5	356.4	392.0	415.7	439.5	510.8	867.1	1983.7	7139.0	9930.4	12460.5
75°	297.0	297.0	332.6	356.4	380.1	451.4	795.9	1651.1	5036.5	7578.5	9158.3
77.5°	249.4	249.4	273.2	297.0	320.7	392.0	677.1	1342.3	3492.3	6010.5	6640.1
80°	190.1	190.1	213.8	237.6	261.3	332.6	546.4	985.9	2161.9	4395.0	4834.5
82.5°	130.7	130.7	166.3	178.2	190.1	261.3	415.7	677.1	1271.0	3171.5	3456.6
85°	71.3	71.3	95.0	106.9	130.7	190.1	308.8	475.1	760.2	2292.5	2304.4
87.5°	11.9	11.9	35.6	35.6	59.4	95.0	178.2	261.3	427.6	1271.0	807.7
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: P598714
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2	8481.2
2.5°	9277.1	9407.7	9419.6	9419.6	9360.2	9372.1	9205.8	9027.6	8968.2	8956.4
5°	9764.1	10108.6	10203.6	10251.1	10096.7	9859.1	9431.5	8968.2	8730.7	8695.0
7.5°	9669.1	10358.0	10726.2	10773.8	10464.9	9906.6	9158.3	8445.6	8172.4	8101.1
10°	9110.8	10037.3	10702.5	10868.8	10536.2	9823.5	8849.5	8018.0	7685.4	7626.0
12.5°	8718.8	9609.7	10263.0	10488.7	10334.3	9716.6	8695.0	7744.8	7412.2	7329.0
15°	8505.0	9324.6	9752.2	9823.5	9811.6	9550.3	8695.0	7804.1	7435.9	7340.9
17.5°	8683.2	9241.4	9300.8	9134.5	9229.6	9360.2	8885.1	8124.9	7768.5	7685.4
20°	9039.5	9205.8	8920.7	8671.3	8718.8	9134.5	9182.0	8730.7	8445.6	8303.0
22.5°	9787.9	9336.5	8683.2	8338.7	8374.3	8956.4	9574.0	9550.3	9300.8	9229.6
25°	10548.1	9704.7	8611.9	8208.0	8255.5	8920.7	10037.3	10464.9	10334.3	10298.6
27.5°	11391.4	10322.4	8659.4	8148.6	8208.0	8968.2	10358.0	11237.0	11260.8	11225.1
30°	11961.6	10619.3	8801.9	8219.9	8303.0	9087.0	10429.3	11700.3	11914.1	11926.0
32.5°	12436.7	10916.3	9098.9	8338.7	8481.2	9300.8	10619.3	12139.8	12614.9	12626.8
35°	12816.9	11248.9	9467.1	8552.5	8766.3	9657.2	10868.8	12555.5	13268.2	13351.4
37.5°	13303.9	11617.1	9894.8	9015.8	9253.3	10168.0	11308.3	13042.5	14040.3	14266.0
40°	13826.5	11985.4	10512.4	9764.1	10108.6	10928.2	11807.2	13589.0	14693.7	15002.5
42.5°	14408.6	12377.4	11213.3	10773.8	11296.4	11890.3	12377.4	14087.9	15192.6	15548.9
45°	14978.7	12852.5	12234.8	12151.7	12733.7	13030.7	12935.6	14444.2	15667.7	16024.0
47.5°	15382.6	13541.4	13470.2	13969.1	14515.5	14361.1	13589.0	14705.5	16059.7	16451.7
50°	15750.8	14396.7	15026.3	16000.3	16332.9	15810.2	14289.8	15061.9	16475.4	16914.9
52.5°	16297.2	15311.3	16629.8	17841.4	18162.2	17330.7	15050.0	15643.9	17116.9	17508.8
55°	17413.8	16344.8	18304.7	19694.5	19753.9	18720.5	16071.6	16629.8	18019.6	18471.0
57.5°	18661.1	17615.8	19635.1	21226.8	21203.1	20110.2	17223.8	17960.2	19243.1	19551.9
60°	19789.5	18898.6	21084.3	22319.6	22260.2	21119.9	18566.0	19468.8	20644.8	20882.3
62.5°	20454.7	20062.7	21725.7	22664.1	22438.4	21452.5	19706.4	20811.1	21642.6	21725.7
65°	20347.8	20727.9	20977.4	21559.4	21238.7	20526.0	20264.7	21666.3	21749.5	21666.3
67.5°	19540.1	20347.8	18922.4	18981.8	18815.5	18209.7	19397.5	21440.6	20870.5	20668.5
70°	18316.6	18376.0	15822.1	15073.8	15335.1	14503.6	16641.7	19682.6	18803.6	18554.2
72.5°	16285.4	15548.9	11961.6	11201.4	11593.4	10999.5	13351.4	17152.5	16297.2	15489.5
75°	13660.2	12318.0	9110.8	8029.8	8231.8	8208.0	10346.1	14171.0	12626.8	11819.1
77.5°	10583.7	9597.8	6723.2	6307.5	6093.6	6141.2	7222.1	10536.2	9158.3	8148.6
80°	7732.9	6711.3	5202.8	5440.3	5321.6	5036.5	5060.2	7055.8	6366.9	5761.1
82.5°	5345.3	4775.1	4216.9	4763.3	4478.2	4038.7	3943.6	5084.0	4775.1	4406.9
85°	3587.3	3931.8	3349.7	3646.7	3159.7	2910.2	3706.1	4252.5	3432.9	3064.6
87.5°	2340.1	3599.2	2411.3	1829.3	1045.3	1401.7	2268.8	2791.4	1603.6	867.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)