

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: P598774

Luminaire Tested: **IFLD-S-SA6D-760-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598774
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6D-760-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (96) 5700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

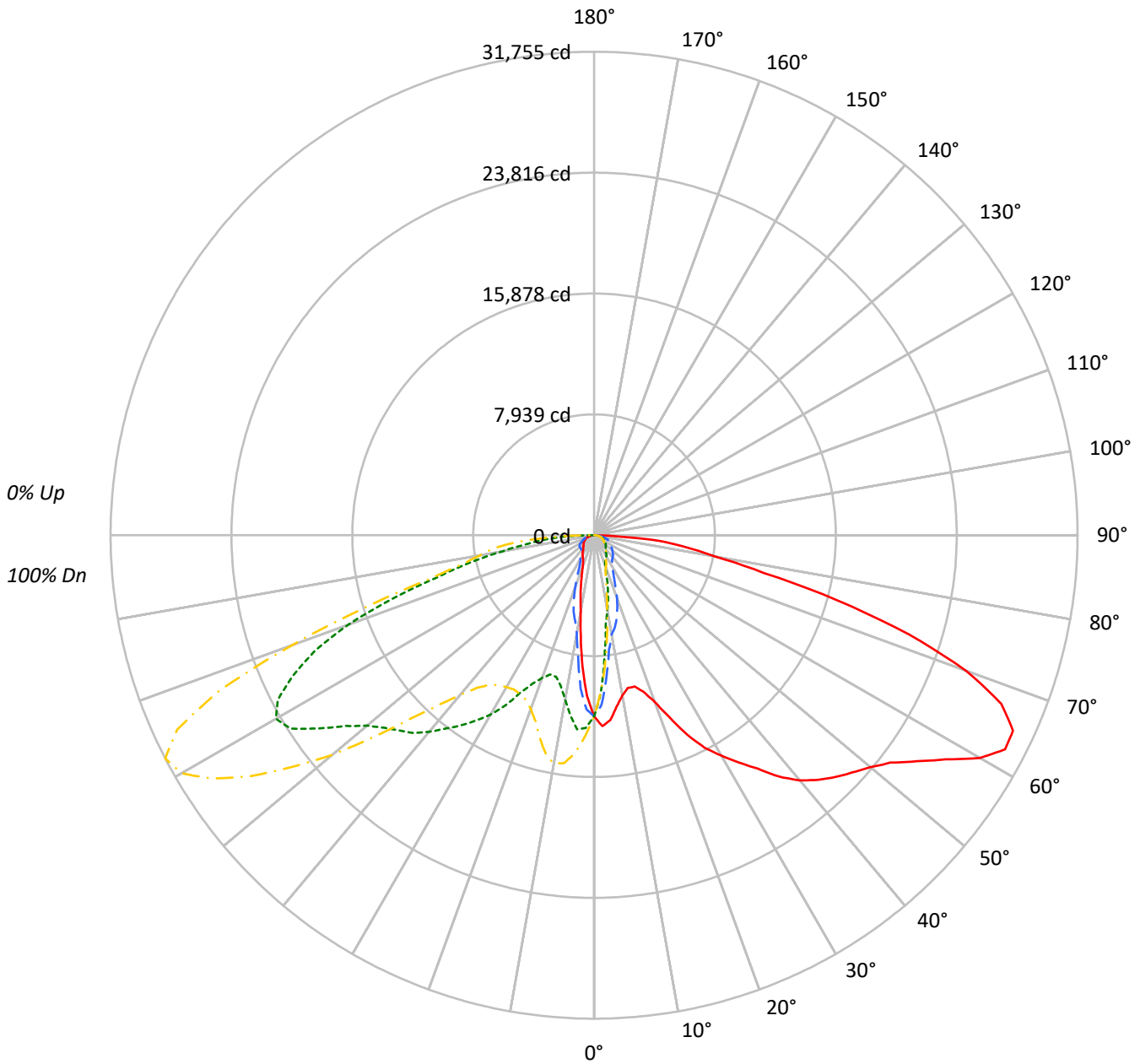
Lumens per Lamp: N/A
 Luminaire Lumens: 39780.6 lumens
 Efficiency: N/A
 Efficacy: 108.0 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	85273	85273	85273	85273
5°	87757	57066	62341	92193
10°	77857	36261	36624	79676
15°	76412	25718	24358	71466
20°	88839	16268	16396	76130
25°	114250	13969	13573	90004
30°	138458	13239	12412	112669
35°	163876	11664	11226	133550
40°	196908	11070	10289	157775
45°	227846	10978	9965	183932
50°	264579	11148	10033	217200
55°	323783	11452	10203	276724
60°	419916	11466	10748	346109
65°	515455	11587	11022	370482
70°	545436	12221	11523	360713
75°	459135	12920	11537	294400
80°	333568	15129	11691	254477
85°	353537	21926	9592	264467

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	919.7	2.3
10°-20°	1924.7	4.8
20°-30°	2773.7	7.0
30°-40°	3993.0	10.0
40°-50°	5671.8	14.3
50°-60°	8154.5	20.5
60°-70°	9421.1	23.7
70°-80°	5334.4	13.4
80°-90°	1587.5	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°	5618.1	14.1
0°-40°	9611.1	24.2
0°-60°	23437.5	58.9
0°-90°	39780.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	39780.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11883	11883	11883	11883	11883	
5°	12183	7922	8654	12799	12183	1105
15°	10286	3462	3279	9620	10286	3024
25°	14430	1764	1714	11367	14430	6698
35°	18707	1332	1282	15245	18707	11872
45°	22452	1082	982	18124	22452	17385
55°	25880	915	816	22119	25880	23438
65°	30357	682	649	21819	30357	29110
75°	16560	466	416	10618	16560	17571
85°	4294	266	116	3212	4294	4276
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°	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2
2.5°	12548.9	12532.3	12432.4	12116.2	11783.3	11467.1	11167.5	10851.3	10684.9	10485.2	10402.0
5°	12182.8	12149.5	11866.5	11167.5	10551.7	9886.0	9320.2	8870.8	8504.6	8138.5	8005.3
7.5°	11350.6	11300.7	10967.8	10002.5	9103.8	8238.3	7556.0	6973.5	6490.8	6274.5	6024.8
10°	10684.9	10601.7	10168.9	9103.8	7938.8	7073.3	6624.0	6224.5	5808.5	5458.9	5092.8
12.5°	10268.8	10168.9	9719.6	8471.4	7339.6	6690.5	6224.5	5775.2	5259.2	4826.5	4427.1
15°	10285.5	10168.9	9619.7	8304.9	7189.8	6357.7	5708.6	5092.8	4493.6	4011.0	3561.6
17.5°	10768.1	10618.3	10035.8	8537.9	7073.3	5925.0	5059.5	4260.6	3578.3	3062.3	2696.2
20°	11633.5	11533.7	10868.0	8887.4	6956.8	5458.9	4393.8	3428.5	2712.8	2313.4	2163.6
22.5°	12931.7	12815.2	12099.6	9420.0	6923.5	5042.9	3678.1	2696.2	2180.2	2013.8	1930.6
25°	14429.6	14213.2	13547.5	10318.7	6990.1	4660.1	3095.6	2230.2	1947.2	1830.7	1780.8
27.5°	15727.8	15594.6	14845.7	11167.5	7023.4	4360.5	2696.2	2030.5	1814.1	1714.2	1681.0
30°	16709.7	16659.8	15927.5	12099.6	6940.2	3994.4	2446.5	1947.2	1814.1	1714.2	1614.4
32.5°	17691.6	17708.3	16926.1	12815.2	6823.7	3678.1	2213.5	1730.9	1597.7	1531.2	1547.8
35°	18706.9	18790.1	18124.4	13514.2	6574.0	3561.6	2047.1	1614.4	1497.9	1398.0	1348.1
37.5°	19988.4	20204.8	19555.7	14296.4	6324.4	3461.8	1963.9	1531.2	1414.7	1331.5	1264.9
40°	21020.3	21419.7	21036.9	15028.7	6158.0	3345.3	1897.3	1448.0	1364.7	1264.9	1214.9
42.5°	21785.9	22251.9	22118.7	15594.6	6158.0	3228.8	1830.7	1398.0	1331.5	1214.9	1148.4
45°	22451.6	22934.2	22917.6	16177.1	6291.1	3162.2	1747.5	1398.0	1298.2	1181.7	1115.1
47.5°	23050.7	23533.4	23699.8	16909.4	6507.5	3128.9	1647.7	1364.7	1298.2	1165.0	1065.2
50°	23699.8	24232.4	24731.7	18074.4	6773.8	3045.7	1581.1	1314.8	1314.8	1148.4	1031.9
52.5°	24532.0	25131.1	26046.5	19522.4	7040.0	2895.9	1481.2	1281.5	1314.8	1131.7	998.6
55°	25880.1	26379.4	27577.7	21253.3	7372.9	2712.8	1398.0	1198.3	1248.2	1081.8	948.7
57.5°	27394.6	27827.3	28825.9	22584.7	7472.8	2479.8	1281.5	1115.1	1198.3	1031.9	882.1
60°	29258.6	29475.0	29475.0	22967.5	7139.9	2263.5	1198.3	1048.5	1081.8	981.9	832.2
62.5°	30440.3	30440.3	29475.0	22268.5	6507.5	2080.4	1131.7	981.9	948.7	915.4	782.2
65°	30357.1	30223.9	28792.6	20238.0	5775.2	1963.9	1065.2	898.7	848.8	832.2	732.3
67.5°	28959.0	28726.0	26778.8	17375.4	5009.6	1914.0	998.6	815.5	782.2	748.9	665.7
70°	25996.6	25397.4	23000.8	13980.2	4260.6	1880.7	981.9	748.9	715.7	682.4	615.8
72.5°	21702.6	20937.1	17957.9	10751.5	3578.3	1764.2	932.0	665.7	649.1	615.8	549.2
75°	16559.9	15145.2	12532.3	8221.7	2779.4	1531.2	798.9	582.5	582.5	565.9	499.3
77.5°	11417.2	10684.9	8737.6	6074.7	2030.5	1181.7	649.1	515.9	515.9	532.6	466.0
80°	8071.9	7389.5	6224.5	4360.5	1281.5	798.9	499.3	432.7	482.7	515.9	432.7
82.5°	6174.6	5675.3	4626.8	3178.8	748.9	549.2	382.8	349.5	416.1	449.4	366.1
85°	4293.9	3694.8	2346.7	2130.3	432.7	332.9	282.9	282.9	366.1	449.4	332.9
87.5°	1214.9	515.9	149.8	632.4	183.1	133.1	99.9	66.6	99.9	99.9	66.6
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°	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2
2.5°	10318.7	10218.9	10218.9	10185.6	10202.2	10218.9	10202.2	10318.7	10368.7	10435.2	10568.4
5°	7922.1	8055.3	7955.4	8055.3	8188.4	8388.1	8438.1	8587.9	8604.5	8721.0	8654.4
7.5°	5875.0	5858.4	5775.2	5891.7	6257.8	6540.7	6673.9	6757.1	6773.8	6773.8	6690.5
10°	4976.3	4826.5	4676.7	4593.5	4626.8	4926.4	5026.2	5076.2	5042.9	5092.8	5026.2
12.5°	4260.6	4127.5	3911.1	3761.3	3661.5	3744.7	3844.6	3894.5	3927.8	4011.0	4077.6
15°	3461.8	3328.6	3195.5	3112.3	3029.0	2962.5	3045.7	3095.6	3178.8	3245.4	3278.7
17.5°	2629.6	2563.0	2496.5	2546.4	2546.4	2513.1	2546.4	2563.0	2596.3	2646.3	2629.6
20°	2130.3	2113.7	2097.0	2180.2	2246.8	2246.8	2280.1	2230.2	2213.5	2163.6	2147.0
22.5°	1897.3	1897.3	1914.0	1980.5	2047.1	2080.4	2080.4	1997.2	1914.0	1880.7	1897.3
25°	1764.2	1764.2	1814.1	1830.7	1864.0	1864.0	1880.7	1797.5	1747.5	1697.6	1714.2
27.5°	1664.3	1664.3	1681.0	1681.0	1697.6	1697.6	1714.2	1681.0	1614.4	1597.7	1597.7
30°	1597.7	1597.7	1581.1	1581.1	1581.1	1581.1	1597.7	1547.8	1514.5	1497.9	1497.9
32.5°	1531.2	1514.5	1497.9	1497.9	1481.2	1481.2	1497.9	1448.0	1431.3	1431.3	1431.3
35°	1331.5	1314.8	1331.5	1364.7	1364.7	1381.4	1381.4	1364.7	1331.5	1298.2	1281.5
37.5°	1248.2	1231.6	1231.6	1231.6	1264.9	1281.5	1298.2	1264.9	1214.9	1165.0	1165.0
40°	1181.7	1181.7	1165.0	1165.0	1165.0	1198.3	1231.6	1181.7	1115.1	1098.4	1098.4
42.5°	1131.7	1115.1	1098.4	1081.8	1065.2	1115.1	1148.4	1081.8	1048.5	1048.5	1048.5
45°	1081.8	1065.2	1048.5	1031.9	1015.2	1031.9	1065.2	998.6	981.9	981.9	981.9
47.5°	1031.9	1015.2	981.9	965.3	948.7	948.7	981.9	932.0	915.4	932.0	932.0
50°	998.6	965.3	932.0	915.4	898.7	898.7	898.7	882.1	882.1	882.1	898.7
52.5°	965.3	932.0	882.1	865.4	848.8	848.8	848.8	848.8	832.2	848.8	865.4
55°	915.4	882.1	848.8	832.2	815.5	798.9	815.5	798.9	798.9	815.5	815.5
57.5°	848.8	815.5	782.2	782.2	765.6	765.6	782.2	765.6	765.6	782.2	782.2
60°	798.9	765.6	732.3	732.3	715.7	732.3	748.9	732.3	732.3	732.3	748.9
62.5°	732.3	715.7	682.4	682.4	682.4	682.4	699.0	682.4	699.0	699.0	699.0
65°	682.4	649.1	632.4	632.4	632.4	632.4	665.7	632.4	649.1	649.1	649.1
67.5°	632.4	599.2	582.5	582.5	582.5	582.5	615.8	582.5	599.2	615.8	599.2
70°	582.5	549.2	532.6	532.6	532.6	532.6	549.2	532.6	532.6	549.2	549.2
72.5°	515.9	499.3	482.7	482.7	466.0	482.7	499.3	482.7	482.7	482.7	482.7
75°	466.0	449.4	449.4	432.7	432.7	432.7	449.4	416.1	416.1	416.1	416.1
77.5°	432.7	399.4	399.4	399.4	382.8	399.4	382.8	349.5	349.5	349.5	349.5
80°	366.1	332.9	349.5	349.5	332.9	332.9	316.2	282.9	282.9	282.9	282.9
82.5°	299.6	266.3	282.9	282.9	282.9	282.9	249.6	233.0	216.4	199.7	199.7
85°	266.3	216.4	249.6	249.6	233.0	233.0	166.4	166.4	133.1	133.1	116.5
87.5°	49.9	33.3	66.6	83.2	83.2	99.9	66.6	83.2	49.9	33.3	33.3
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°	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2
2.5°	10551.7	10734.8	10984.5	11167.5	11450.5	11666.8	11999.7	12282.6	12548.9	12665.4	12781.9
5°	8854.1	8970.6	9353.4	9653.0	10102.4	10585.0	11184.2	11833.3	12499.0	12798.6	13148.1
7.5°	6624.0	6840.3	7056.7	7489.4	8038.6	8820.9	9586.4	10551.7	11483.8	11933.1	12532.3
10°	5142.7	5309.2	5558.8	6008.2	6524.1	7173.2	8088.6	9236.9	10352.0	10934.5	11550.3
12.5°	4127.5	4360.5	4693.4	5159.4	5758.5	6424.2	7090.0	8155.1	9453.3	10119.0	10818.0
15°	3345.3	3528.3	3894.5	4477.0	5176.0	5858.4	6557.4	7439.5	8854.1	9619.7	10451.9
17.5°	2662.9	2796.0	3128.9	3711.4	4410.4	5176.0	5974.9	7090.0	8654.4	9586.4	10568.4
20°	2163.6	2263.5	2479.8	2912.5	3578.3	4410.4	5409.0	6757.1	8770.9	9969.2	11167.5
22.5°	1897.3	1930.6	2030.5	2263.5	2812.7	3694.8	4893.1	6474.2	8987.3	10535.1	12149.5
25°	1714.2	1747.5	1780.8	1930.6	2246.8	3079.0	4443.7	6307.7	9453.3	11367.3	13281.2
27.5°	1597.7	1631.0	1647.7	1714.2	1930.6	2629.6	4060.9	6207.9	10085.7	12582.2	14679.2
30°	1497.9	1497.9	1547.8	1647.7	1797.5	2313.4	3728.1	5974.9	10751.5	13597.4	15777.7
32.5°	1414.7	1431.3	1497.9	1547.8	1647.7	2047.1	3395.2	5675.3	11350.6	14429.6	16859.5
35°	1264.9	1264.9	1281.5	1364.7	1497.9	1830.7	3095.6	5375.7	11683.5	15245.1	17824.8
37.5°	1165.0	1181.7	1214.9	1281.5	1398.0	1681.0	2846.0	5042.9	12033.0	16010.7	18956.5
40°	1098.4	1115.1	1148.4	1214.9	1331.5	1547.8	2629.6	4776.6	12399.1	16842.8	20171.5
42.5°	1048.5	1065.2	1098.4	1165.0	1264.9	1514.5	2396.6	4560.2	12615.5	17608.4	21319.8
45°	998.6	1015.2	1065.2	1131.7	1214.9	1481.2	2263.5	4410.4	12698.7	18124.4	22235.2
47.5°	948.7	965.3	1015.2	1115.1	1214.9	1431.3	2213.5	4327.2	12765.3	18706.9	22967.5
50°	898.7	932.0	998.6	1098.4	1231.6	1364.7	2180.2	4310.6	13148.1	19455.8	23666.5
52.5°	865.4	915.4	981.9	1098.4	1214.9	1264.9	2163.6	4360.5	13913.7	20570.9	24665.1
55°	832.2	882.1	948.7	1098.4	1165.0	1181.7	2080.4	4443.7	15078.7	22118.7	26079.8
57.5°	798.9	832.2	915.4	1065.2	1098.4	1115.1	1914.0	4560.2	16243.7	23633.2	27527.7
60°	748.9	782.2	865.4	1065.2	998.6	1048.5	1697.6	4593.5	17075.8	24115.9	27660.9
62.5°	699.0	732.3	815.5	1098.4	915.4	981.9	1514.5	4477.0	17242.3	23416.9	26911.9
65°	649.1	682.4	748.9	915.4	848.8	915.4	1398.0	4160.8	16693.1	21819.1	25547.2
67.5°	599.2	632.4	682.4	748.9	765.6	832.2	1348.1	3661.5	15311.7	19838.6	23683.2
70°	532.6	565.9	615.8	665.7	682.4	782.2	1264.9	3178.8	13081.5	17192.3	21403.1
72.5°	482.7	499.3	549.2	582.5	615.8	715.7	1214.9	2779.4	10002.5	13913.7	17458.6
75°	416.1	416.1	466.0	499.3	532.6	632.4	1115.1	2313.4	7056.7	10618.3	12831.8
77.5°	349.5	349.5	382.8	416.1	449.4	549.2	948.7	1880.7	4893.1	8421.4	9303.5
80°	266.3	266.3	299.6	332.9	366.1	466.0	765.6	1381.4	3029.0	6158.0	6773.8
82.5°	183.1	183.1	233.0	249.6	266.3	366.1	582.5	948.7	1780.8	4443.7	4843.1
85°	99.9	99.9	133.1	149.8	183.1	266.3	432.7	665.7	1065.2	3212.1	3228.8
87.5°	16.6	16.6	49.9	49.9	83.2	133.1	249.6	366.1	599.2	1780.8	1131.7
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: P598774
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2	11883.2
2.5°	12998.3	13181.4	13198.0	13198.0	13114.8	13131.4	12898.4	12648.8	12565.6	12548.9
5°	13680.6	14163.3	14296.4	14363.0	14146.7	13813.8	13214.6	12565.6	12232.7	12182.8
7.5°	13547.5	14512.8	15028.7	15095.3	14662.6	13880.4	12831.8	11833.3	11450.5	11350.6
10°	12765.3	14063.4	14995.5	15228.5	14762.5	13763.9	12399.1	11234.1	10768.1	10684.9
12.5°	12216.1	13464.3	14379.7	14695.9	14479.5	13614.1	12182.8	10851.3	10385.3	10268.8
15°	11916.5	13064.9	13664.0	13763.9	13747.2	13381.1	12182.8	10934.5	10418.6	10285.5
17.5°	12166.1	12948.4	13031.6	12798.6	12931.7	13114.8	12449.1	11383.9	10884.6	10768.1
20°	12665.4	12898.4	12499.0	12149.5	12216.1	12798.6	12865.1	12232.7	11833.3	11633.5
22.5°	13713.9	13081.5	12166.1	11683.5	11733.4	12548.9	13414.4	13381.1	13031.6	12931.7
25°	14779.1	13597.4	12066.3	11500.4	11567.0	12499.0	14063.4	14662.6	14479.5	14429.6
27.5°	15960.8	14462.9	12132.8	11417.2	11500.4	12565.6	14512.8	15744.4	15777.7	15727.8
30°	16759.6	14879.0	12332.6	11517.0	11633.5	12732.0	14612.7	16393.5	16693.1	16709.7
32.5°	17425.4	15295.0	12748.6	11683.5	11883.2	13031.6	14879.0	17009.3	17675.0	17691.6
35°	17957.9	15761.0	13264.6	11983.1	12282.6	13530.9	15228.5	17591.8	18590.4	18706.9
37.5°	18640.3	16277.0	13863.7	12632.1	12965.0	14246.5	15844.3	18274.2	19672.2	19988.4
40°	19372.6	16792.9	14729.2	13680.6	14163.3	15311.7	16543.3	19039.7	20587.5	21020.3
42.5°	20188.1	17342.1	15711.1	15095.3	15827.6	16659.8	17342.1	19738.7	21286.6	21785.9
45°	20987.0	18007.9	17142.4	17025.9	17841.4	18257.5	18124.4	20238.0	21952.3	22451.6
47.5°	21552.8	18973.2	18873.3	19572.3	20337.9	20121.5	19039.7	20604.2	22501.5	23050.7
50°	22068.8	20171.5	21053.6	22418.3	22884.3	22152.0	20021.7	21103.5	23084.0	23699.8
52.5°	22834.4	21453.0	23300.4	24998.0	25447.3	24282.3	21086.8	21919.0	23982.7	24532.0
55°	24398.8	22900.9	25647.1	27594.3	27677.5	26229.6	22518.1	23300.4	25247.6	25880.1
57.5°	26146.4	24681.8	27511.1	29741.3	29708.0	28176.8	24132.5	25164.4	26961.9	27394.6
60°	27727.4	26479.2	29541.5	31272.4	31189.2	29591.5	26013.2	27278.1	28925.8	29258.6
62.5°	28659.5	28110.2	30440.3	31755.1	31438.9	30057.5	27610.9	29158.8	30323.8	30440.3
65°	28509.7	29042.3	29391.8	30207.3	29757.9	28759.3	28393.2	30357.1	30473.6	30357.1
67.5°	27377.9	28509.7	26512.5	26595.7	26362.7	25513.9	27178.2	30040.8	29242.0	28959.0
70°	25663.7	25746.9	22168.6	21120.1	21486.3	20321.3	23317.0	27577.7	26346.1	25996.6
72.5°	22817.7	21785.9	16759.6	15694.5	16243.7	15411.5	18706.9	24032.7	22834.4	21702.6
75°	19139.6	17258.9	12765.3	11250.8	11533.7	11500.4	14496.2	19855.2	17691.6	16559.9
77.5°	14829.0	13447.6	9420.0	8837.5	8537.9	8604.5	10119.0	14762.5	12831.8	11417.2
80°	10834.7	9403.4	7289.7	7622.6	7456.1	7056.7	7090.0	9886.0	8920.7	8071.9
82.5°	7489.4	6690.5	5908.3	6673.9	6274.5	5658.7	5525.5	7123.3	6690.5	6174.6
85°	5026.2	5508.9	4693.4	5109.4	4427.1	4077.6	5192.7	5958.2	4809.9	4293.9
87.5°	3278.7	5042.9	3378.6	2563.0	1464.6	1963.9	3178.8	3911.1	2246.8	1214.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)