

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: P598668

Luminaire Tested: **IFLD-L-SA7D-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: P598668
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7D-730-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (112) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

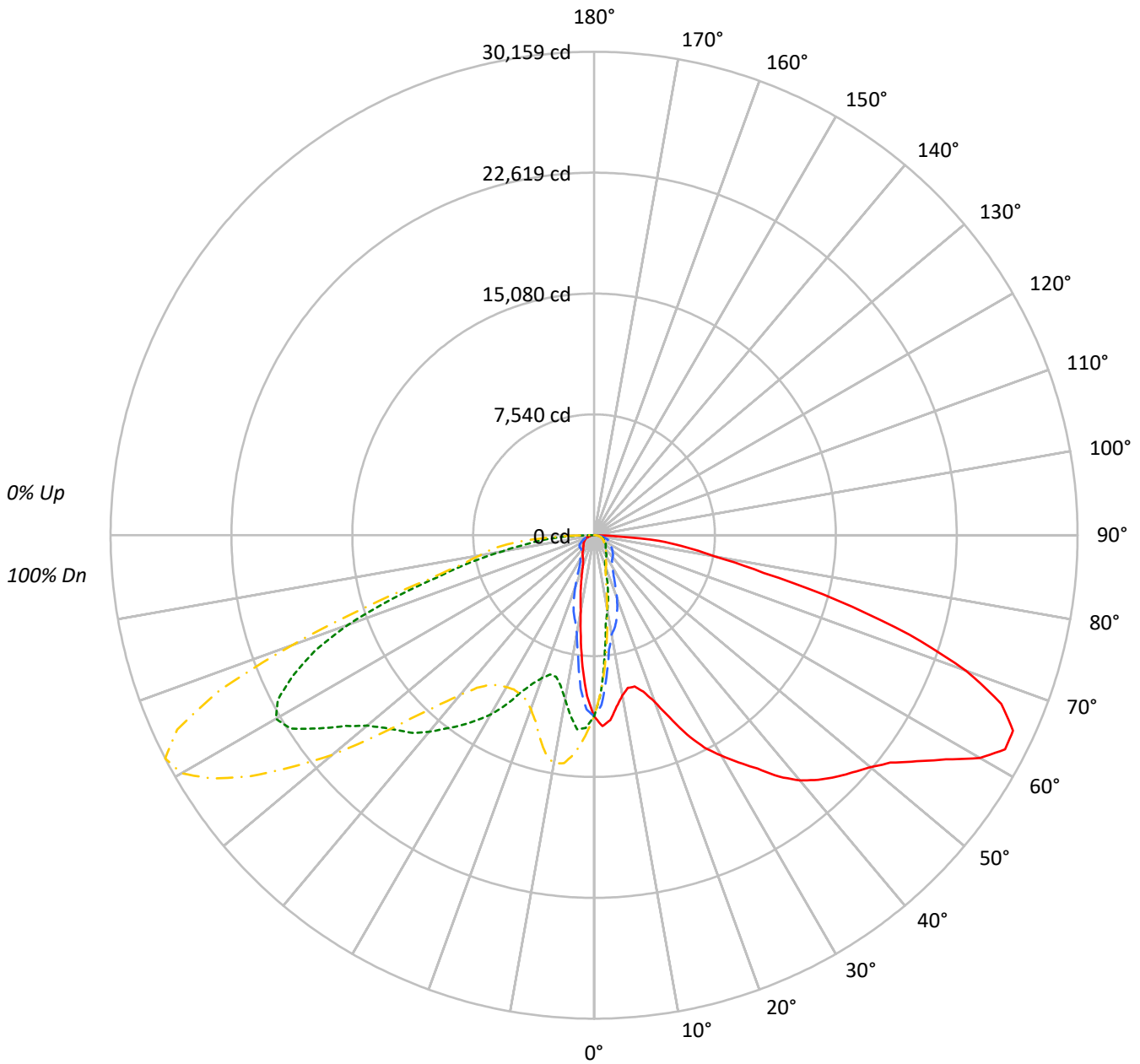
Lumens per Lamp: N/A
 Luminaire Lumens: 37781.2 lumens
 Efficiency: N/A
 Efficacy: 89.4 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 422.6
 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°	60740	60740	60740	60740
5°	62510	40649	44405	65669
10°	55458	25829	26088	56754
15°	54428	18319	17350	50905
20°	63280	11588	11679	54228
25°	81381	9950	9668	64110
30°	98624	9430	8841	80255
35°	116729	8308	7997	95129
40°	140259	7885	7329	112384
45°	162295	7820	7098	131015
50°	188461	7941	7147	154712
55°	230631	8158	7267	197112
60°	299109	8167	7656	246535
65°	367161	8253	7851	263897
70°	388517	8705	8208	256937
75°	327044	9204	8218	209702
80°	237602	10776	8328	181265
85°	251827	15617	6830	188384

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	873.4	2.3
10°-20°	1828.0	4.8
20°-30°	2634.3	7.0
30°-40°	3792.3	10.0
40°-50°	5386.8	14.3
50°-60°	7744.6	20.5
60°-70°	8947.6	23.7
70°-80°	5066.3	13.4
80°-90°	1507.8	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°	5335.7	14.1
0°-40°	9128.1	24.2
0°-60°	22259.5	58.9
0°-90°	37781.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37781.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11286	11286	11286	11286	11286	
5°	11570	7524	8219	12155	11570	1050
15°	9768	3288	3114	9136	9768	2872
25°	13704	1676	1628	10796	13704	6361
35°	17767	1264	1217	14479	17767	11276
45°	21323	1027	933	17213	21323	16511
55°	24579	869	774	21007	24579	22260
65°	28831	648	616	20722	28831	27647
75°	15728	443	395	10085	15728	16688
85°	4078	253	111	3051	4078	4061
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°	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9
2.5°	11918.2	11902.4	11807.6	11507.2	11191.1	10890.8	10606.2	10305.9	10147.9	9958.2	9879.1
5°	11570.5	11538.8	11270.1	10606.2	10021.4	9389.1	8851.7	8424.9	8077.2	7729.4	7603.0
7.5°	10780.1	10732.7	10416.6	9499.8	8646.2	7824.3	7176.2	6623.0	6164.6	5959.1	5722.0
10°	10147.9	10068.8	9657.8	8646.2	7539.8	6717.8	6291.0	5911.7	5516.5	5184.6	4836.8
12.5°	9752.7	9657.8	9231.1	8045.6	6970.7	6354.3	5911.7	5484.9	4994.9	4583.9	4204.6
15°	9768.5	9657.8	9136.2	7887.5	6828.5	6038.1	5421.7	4836.8	4267.8	3809.4	3382.6
17.5°	10226.9	10084.6	9531.4	8108.8	6717.8	5627.2	4805.2	4046.5	3398.4	2908.4	2560.7
20°	11048.8	10954.0	10321.7	8440.7	6607.2	5184.6	4172.9	3256.2	2576.5	2197.1	2054.9
22.5°	12281.7	12171.1	11491.4	8946.6	6575.6	4789.4	3493.3	2560.7	2070.7	1912.6	1833.6
25°	13704.3	13498.9	12866.6	9800.1	6638.8	4425.9	2940.0	2118.1	1849.4	1738.7	1691.3
27.5°	14937.3	14810.8	14099.5	10606.2	6670.4	4141.3	2560.7	1928.4	1722.9	1628.1	1596.5
30°	15869.9	15822.4	15126.9	11491.4	6591.4	3793.6	2323.6	1849.4	1722.9	1628.1	1533.2
32.5°	16802.4	16818.3	16075.3	12171.1	6480.7	3493.3	2102.3	1643.9	1517.4	1454.2	1470.0
35°	17766.6	17845.7	17213.4	12835.0	6243.6	3382.6	1944.2	1533.2	1422.6	1327.8	1280.3
37.5°	18983.8	19189.2	18572.8	13577.9	6006.5	3287.8	1865.2	1454.2	1343.6	1264.5	1201.3
40°	19963.8	20343.1	19979.6	14273.4	5848.5	3177.1	1802.0	1375.2	1296.1	1201.3	1153.9
42.5°	20690.9	21133.5	21007.0	14810.8	5848.5	3066.5	1738.7	1327.8	1264.5	1153.9	1090.7
45°	21323.1	21781.5	21765.7	15364.0	5974.9	3003.3	1659.7	1327.8	1232.9	1122.3	1059.0
47.5°	21892.2	22350.6	22508.6	16059.5	6180.4	2971.6	1564.9	1296.1	1232.9	1106.5	1011.6
50°	22508.6	23014.4	23488.6	17166.0	6433.3	2892.6	1501.6	1248.7	1248.7	1090.7	980.0
52.5°	23299.0	23868.0	24737.4	18541.2	6686.2	2750.4	1406.8	1217.1	1248.7	1074.9	948.4
55°	24579.3	25053.5	26191.6	20185.1	7002.3	2576.5	1327.8	1138.1	1185.5	1027.4	901.0
57.5°	26017.7	26428.7	27377.1	21449.6	7097.2	2355.2	1217.1	1059.0	1138.1	980.0	837.8
60°	27788.1	27993.5	27993.5	21813.1	6781.0	2149.7	1138.1	995.8	1027.4	932.6	790.3
62.5°	28910.3	28910.3	27993.5	21149.3	6180.4	1975.8	1074.9	932.6	901.0	869.4	742.9
65°	28831.3	28704.8	27345.5	19220.9	5484.9	1865.2	1011.6	853.6	806.1	790.3	695.5
67.5°	27503.5	27282.2	25432.9	16502.1	4757.8	1817.8	948.4	774.5	742.9	711.3	632.3
70°	24690.0	24120.9	21844.8	13277.6	4046.5	1786.1	932.6	711.3	679.7	648.1	584.8
72.5°	20611.8	19884.7	17055.4	10211.1	3398.4	1675.5	885.2	632.3	616.5	584.8	521.6
75°	15727.6	14384.0	11902.4	7808.5	2639.7	1454.2	758.7	553.2	553.2	537.4	474.2
77.5°	10843.3	10147.9	8298.5	5769.4	1928.4	1122.3	616.5	490.0	490.0	505.8	442.6
80°	7666.2	7018.1	5911.7	4141.3	1217.1	758.7	474.2	411.0	458.4	490.0	411.0
82.5°	5864.3	5390.1	4394.2	3019.1	711.3	521.6	363.6	331.9	395.2	426.8	347.7
85°	4078.1	3509.1	2228.7	2023.2	411.0	316.1	268.7	268.7	347.7	426.8	316.1
87.5°	1153.9	490.0	142.3	600.7	173.9	126.5	94.8	63.2	94.8	94.8	63.2
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°	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9
2.5°	9800.1	9705.3	9705.3	9673.7	9689.5	9705.3	9689.5	9800.1	9847.5	9910.8	10037.2
5°	7524.0	7650.4	7555.6	7650.4	7776.9	7966.5	8014.0	8156.2	8172.0	8282.7	8219.4
7.5°	5579.7	5563.9	5484.9	5595.5	5943.3	6212.0	6338.5	6417.5	6433.3	6433.3	6354.3
10°	4726.2	4583.9	4441.7	4362.6	4394.2	4678.8	4773.6	4821.0	4789.4	4836.8	4773.6
12.5°	4046.5	3920.0	3714.6	3572.3	3477.5	3556.5	3651.3	3698.8	3730.4	3809.4	3872.6
15°	3287.8	3161.3	3034.9	2955.8	2876.8	2813.6	2892.6	2940.0	3019.1	3082.3	3113.9
17.5°	2497.4	2434.2	2371.0	2418.4	2418.4	2386.8	2418.4	2434.2	2465.8	2513.3	2497.4
20°	2023.2	2007.4	1991.6	2070.7	2133.9	2133.9	2165.5	2118.1	2102.3	2054.9	2039.1
22.5°	1802.0	1802.0	1817.8	1881.0	1944.2	1975.8	1975.8	1896.8	1817.8	1786.1	1802.0
25°	1675.5	1675.5	1722.9	1738.7	1770.3	1770.3	1786.1	1707.1	1659.7	1612.3	1628.1
27.5°	1580.7	1580.7	1596.5	1596.5	1612.3	1612.3	1628.1	1596.5	1533.2	1517.4	1517.4
30°	1517.4	1517.4	1501.6	1501.6	1501.6	1501.6	1517.4	1470.0	1438.4	1422.6	1422.6
32.5°	1454.2	1438.4	1422.6	1422.6	1406.8	1406.8	1422.6	1375.2	1359.4	1359.4	1359.4
35°	1264.5	1248.7	1264.5	1296.1	1296.1	1312.0	1312.0	1296.1	1264.5	1232.9	1217.1
37.5°	1185.5	1169.7	1169.7	1169.7	1201.3	1217.1	1232.9	1201.3	1153.9	1106.5	1106.5
40°	1122.3	1122.3	1106.5	1106.5	1106.5	1138.1	1169.7	1122.3	1059.0	1043.2	1043.2
42.5°	1074.9	1059.0	1043.2	1027.4	1011.6	1059.0	1090.7	1027.4	995.8	995.8	995.8
45°	1027.4	1011.6	995.8	980.0	964.2	980.0	1011.6	948.4	932.6	932.6	932.6
47.5°	980.0	964.2	932.6	916.8	901.0	901.0	932.6	885.2	869.4	885.2	885.2
50°	948.4	916.8	885.2	869.4	853.6	853.6	853.6	837.8	837.8	837.8	853.6
52.5°	916.8	885.2	837.8	821.9	806.1	806.1	806.1	806.1	790.3	806.1	821.9
55°	869.4	837.8	806.1	790.3	774.5	758.7	774.5	758.7	758.7	774.5	774.5
57.5°	806.1	774.5	742.9	742.9	727.1	727.1	742.9	727.1	727.1	742.9	742.9
60°	758.7	727.1	695.5	695.5	679.7	695.5	711.3	695.5	695.5	695.5	711.3
62.5°	695.5	679.7	648.1	648.1	648.1	648.1	663.9	648.1	663.9	663.9	663.9
65°	648.1	616.5	600.7	600.7	600.7	600.7	632.3	600.7	616.5	616.5	616.5
67.5°	600.7	569.0	553.2	553.2	553.2	553.2	584.8	553.2	569.0	584.8	569.0
70°	553.2	521.6	505.8	505.8	505.8	505.8	521.6	505.8	505.8	521.6	521.6
72.5°	490.0	474.2	458.4	458.4	442.6	458.4	474.2	458.4	458.4	458.4	458.4
75°	442.6	426.8	426.8	411.0	411.0	411.0	426.8	395.2	395.2	395.2	395.2
77.5°	411.0	379.4	379.4	379.4	363.6	379.4	363.6	331.9	331.9	331.9	331.9
80°	347.7	316.1	331.9	331.9	316.1	316.1	300.3	268.7	268.7	268.7	268.7
82.5°	284.5	252.9	268.7	268.7	268.7	268.7	237.1	221.3	205.5	189.7	189.7
85°	252.9	205.5	237.1	237.1	221.3	221.3	158.1	158.1	126.5	126.5	110.6
87.5°	47.4	31.6	63.2	79.0	79.0	94.8	63.2	79.0	47.4	31.6	31.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9
2.5°	10021.4	10195.3	10432.4	10606.2	10875.0	11080.4	11396.6	11665.3	11918.2	12028.8	12139.5
5°	8409.1	8519.8	8883.3	9167.8	9594.6	10053.0	10622.1	11238.5	11870.8	12155.3	12487.2
7.5°	6291.0	6496.5	6702.0	7113.0	7634.6	8377.5	9104.6	10021.4	10906.6	11333.4	11902.4
10°	4884.2	5042.3	5279.4	5706.2	6196.2	6812.7	7682.0	8772.7	9831.7	10385.0	10969.8
12.5°	3920.0	4141.3	4457.5	4900.1	5469.1	6101.4	6733.6	7745.2	8978.2	9610.4	10274.3
15°	3177.1	3351.0	3698.8	4252.0	4915.9	5563.9	6227.8	7065.6	8409.1	9136.2	9926.6
17.5°	2529.1	2655.5	2971.6	3524.9	4188.8	4915.9	5674.6	6733.6	8219.4	9104.6	10037.2
20°	2054.9	2149.7	2355.2	2766.2	3398.4	4188.8	5137.2	6417.5	8330.1	9468.2	10606.2
22.5°	1802.0	1833.6	1928.4	2149.7	2671.3	3509.1	4647.1	6148.8	8535.6	10005.6	11538.8
25°	1628.1	1659.7	1691.3	1833.6	2133.9	2924.2	4220.4	5990.7	8978.2	10795.9	12613.7
27.5°	1517.4	1549.0	1564.9	1628.1	1833.6	2497.4	3856.8	5895.9	9578.8	11949.8	13941.4
30°	1422.6	1422.6	1470.0	1564.9	1707.1	2197.1	3540.7	5674.6	10211.1	12914.0	14984.7
32.5°	1343.6	1359.4	1422.6	1470.0	1564.9	1944.2	3224.6	5390.1	10780.1	13704.3	16012.1
35°	1201.3	1201.3	1217.1	1296.1	1422.6	1738.7	2940.0	5105.5	11096.3	14478.9	16928.9
37.5°	1106.5	1122.3	1153.9	1217.1	1327.8	1596.5	2702.9	4789.4	11428.2	15206.0	18003.7
40°	1043.2	1059.0	1090.7	1153.9	1264.5	1470.0	2497.4	4536.5	11775.9	15996.3	19157.6
42.5°	995.8	1011.6	1043.2	1106.5	1201.3	1438.4	2276.2	4331.0	11981.4	16723.4	20248.3
45°	948.4	964.2	1011.6	1074.9	1153.9	1406.8	2149.7	4188.8	12060.5	17213.4	21117.7
47.5°	901.0	916.8	964.2	1059.0	1153.9	1359.4	2102.3	4109.7	12123.7	17766.6	21813.1
50°	853.6	885.2	948.4	1043.2	1169.7	1296.1	2070.7	4093.9	12487.2	18477.9	22477.0
52.5°	821.9	869.4	932.6	1043.2	1153.9	1201.3	2054.9	4141.3	13214.3	19537.0	23425.4
55°	790.3	837.8	901.0	1043.2	1106.5	1122.3	1975.8	4220.4	14320.8	21007.0	24769.0
57.5°	758.7	790.3	869.4	1011.6	1043.2	1059.0	1817.8	4331.0	15427.3	22445.4	26144.2
60°	711.3	742.9	821.9	1011.6	948.4	995.8	1612.3	4362.6	16217.6	22903.8	26270.6
62.5°	663.9	695.5	774.5	1043.2	869.4	932.6	1438.4	4252.0	16375.7	22239.9	25559.3
65°	616.5	648.1	711.3	869.4	806.1	869.4	1327.8	3951.7	15854.0	20722.5	24263.2
67.5°	569.0	600.7	648.1	711.3	727.1	790.3	1280.3	3477.5	14542.1	18841.5	22492.8
70°	505.8	537.4	584.8	632.3	648.1	742.9	1201.3	3019.1	12424.0	16328.2	20327.3
72.5°	458.4	474.2	521.6	553.2	584.8	679.7	1153.9	2639.7	9499.8	13214.3	16581.2
75°	395.2	395.2	442.6	474.2	505.8	600.7	1059.0	2197.1	6702.0	10084.6	12186.9
77.5°	331.9	331.9	363.6	395.2	426.8	521.6	901.0	1786.1	4647.1	7998.2	8835.9
80°	252.9	252.9	284.5	316.1	347.7	442.6	727.1	1312.0	2876.8	5848.5	6433.3
82.5°	173.9	173.9	221.3	237.1	252.9	347.7	553.2	901.0	1691.3	4220.4	4599.7
85°	94.8	94.8	126.5	142.3	173.9	252.9	411.0	632.3	1011.6	3050.7	3066.5
87.5°	15.8	15.8	47.4	47.4	79.0	126.5	237.1	347.7	569.0	1691.3	1074.9
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: P598668
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9	11285.9
2.5°	12345.0	12518.8	12534.7	12534.7	12455.6	12471.4	12250.1	12013.0	11934.0	11918.2
5°	12993.0	13451.4	13577.9	13641.1	13435.6	13119.5	12550.5	11934.0	11617.9	11570.5
7.5°	12866.6	13783.4	14273.4	14336.6	13925.6	13182.7	12186.9	11238.5	10875.0	10780.1
10°	12123.7	13356.6	14241.8	14463.1	14020.5	13072.1	11775.9	10669.5	10226.9	10147.9
12.5°	11602.1	12787.6	13656.9	13957.3	13751.8	12929.8	11570.5	10305.9	9863.3	9752.7
15°	11317.5	12408.2	12977.2	13072.1	13056.3	12708.5	11570.5	10385.0	9894.9	9768.5
17.5°	11554.6	12297.6	12376.6	12155.3	12281.7	12455.6	11823.4	10811.7	10337.5	10226.9
20°	12028.8	12250.1	11870.8	11538.8	11602.1	12155.3	12218.5	11617.9	11238.5	11048.8
22.5°	13024.7	12424.0	11554.6	11096.3	11143.7	11918.2	12740.1	12708.5	12376.6	12281.7
25°	14036.3	12914.0	11459.8	10922.4	10985.6	11870.8	13356.6	13925.6	13751.8	13704.3
27.5°	15158.6	13736.0	11523.0	10843.3	10922.4	11934.0	13783.4	14953.1	14984.7	14937.3
30°	15917.3	14131.1	11712.7	10938.2	11048.8	12092.1	13878.2	15569.5	15854.0	15869.9
32.5°	16549.5	14526.3	12107.9	11096.3	11285.9	12376.6	14131.1	16154.4	16786.6	16802.4
35°	17055.4	14968.9	12597.9	11380.8	11665.3	12850.8	14463.1	16707.6	17656.0	17766.6
37.5°	17703.4	15458.9	13166.9	11997.2	12313.4	13530.5	15047.9	17355.7	18683.4	18983.8
40°	18398.9	15948.9	13988.9	12993.0	13451.4	14542.1	15711.8	18082.8	19552.8	19963.8
42.5°	19173.4	16470.5	14921.5	14336.6	15032.1	15822.4	16470.5	18746.7	20216.7	20690.9
45°	19932.2	17102.8	16280.8	16170.2	16944.7	17339.9	17213.4	19220.9	20848.9	21323.1
47.5°	20469.6	18019.6	17924.7	18588.6	19315.7	19110.2	18082.8	19568.6	21370.6	21892.2
50°	20959.6	19157.6	19995.4	21291.5	21734.1	21038.6	19015.4	20042.8	21923.8	22508.6
52.5°	21686.7	20374.7	22129.3	23741.6	24168.3	23061.9	20027.0	20817.3	22777.3	23299.0
55°	23172.5	21749.9	24358.0	26207.4	26286.4	24911.2	21386.4	22129.3	23978.7	24579.3
57.5°	24832.2	23441.2	26128.4	28246.4	28214.8	26760.6	22919.6	23899.6	25606.7	26017.7
60°	26333.8	25148.3	28056.8	29700.7	29621.6	28104.2	24705.8	25907.1	27471.9	27788.1
62.5°	27219.0	26697.4	28910.3	30159.0	29858.7	28546.8	26223.2	27693.2	28799.7	28910.3
65°	27076.8	27582.6	27914.5	28689.0	28262.2	27313.9	26966.1	28831.3	28941.9	28831.3
67.5°	26001.9	27076.8	25180.0	25259.0	25037.7	24231.6	25812.2	28531.0	27772.2	27503.5
70°	24373.8	24452.9	21054.4	20058.6	20406.4	19299.9	22145.1	26191.6	25021.9	24690.0
72.5°	21670.9	20690.9	15917.3	14905.6	15427.3	14636.9	17766.6	22824.8	21686.7	20611.8
75°	18177.6	16391.5	12123.7	10685.3	10954.0	10922.4	13767.6	18857.3	16802.4	15727.6
77.5°	14083.7	12771.8	8946.6	8393.3	8108.8	8172.0	9610.4	14020.5	12186.9	10843.3
80°	10290.1	8930.7	6923.3	7239.4	7081.4	6702.0	6733.6	9389.1	8472.4	7666.2
82.5°	7113.0	6354.3	5611.4	6338.5	5959.1	5374.3	5247.8	6765.2	6354.3	5864.3
85°	4773.6	5232.0	4457.5	4852.6	4204.6	3872.6	4931.7	5658.8	4568.1	4078.1
87.5°	3113.9	4789.4	3208.7	2434.2	1391.0	1865.2	3019.1	3714.6	2133.9	1153.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)