

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: P598730

Luminaire Tested: **IFLD-L-SA8C-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: P598730
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8C-740-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (128) 4000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

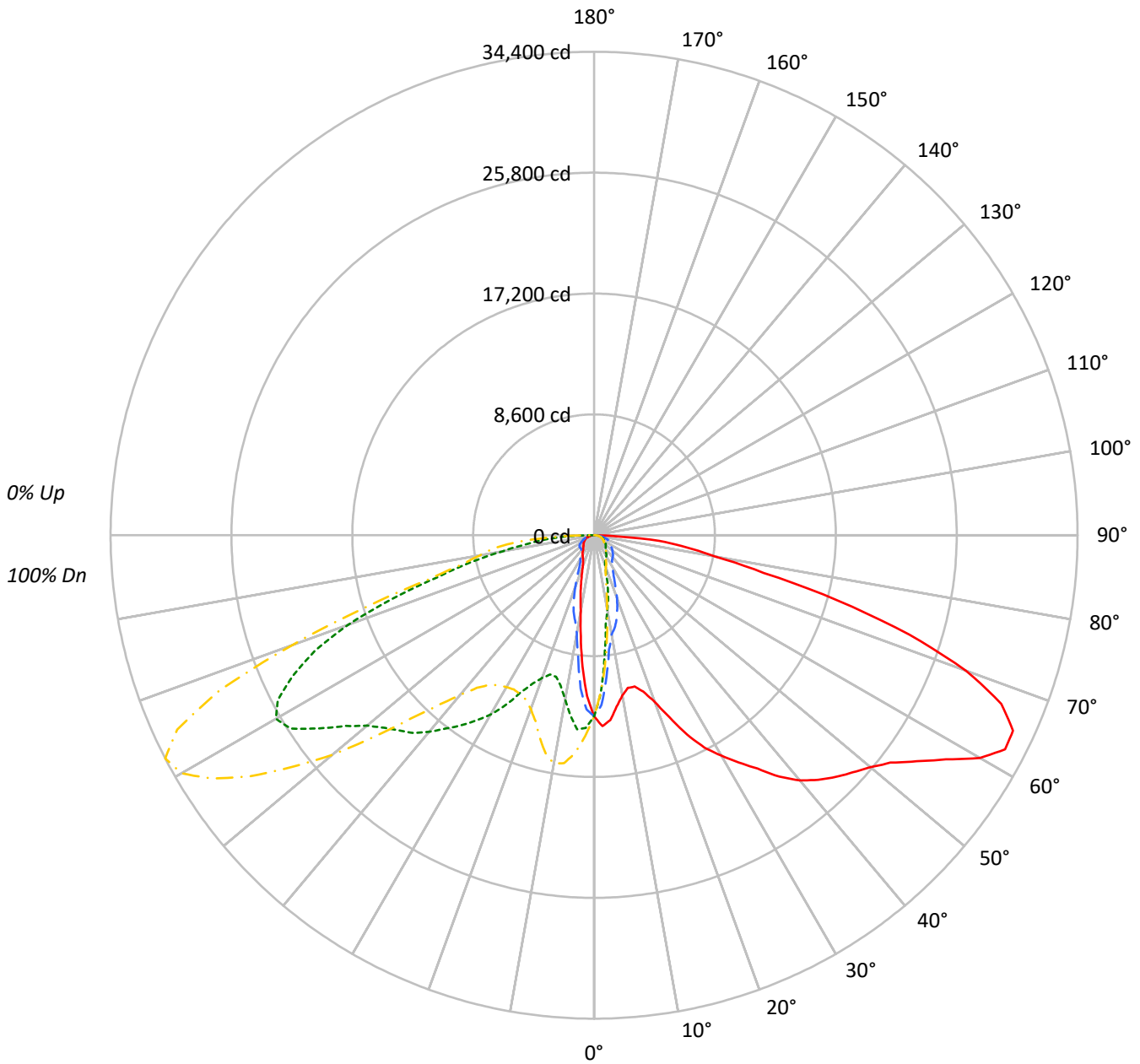
Lumens per Lamp: N/A
 Luminaire Lumens: 43093.7 lumens
 Efficiency: N/A
 Efficacy: 102.5 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 420.3
 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	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		
	1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	79	77	77	77	77	77		
	2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	61	59	59	59	59	59		
	3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	48	46	46	46	46	46		
	4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	39	36	36	36	36	36		
	5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	32	30	30	30	30	30		
	6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	27	25	25	25	25	25		
	7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	23	21	21	21	21	21		
	8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	20	18	18	18	18	18		
	9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	18	16	16	16	16	16		
	10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	16	14	14	14	14	14		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	69281	69281	69281	69281
5°	71299	46364	50650	74903
10°	63256	29460	29756	64734
15°	62082	20895	19790	58063
20°	72178	13217	13321	61853
25°	92824	11349	11027	73125
30°	112492	10756	10084	91540
35°	133144	9476	9121	108505
40°	159980	8994	8360	128187
45°	185116	8920	8096	149438
50°	214961	9058	8152	176468
55°	263061	9304	8289	224829
60°	341167	9315	8733	281201
65°	418788	9414	8954	301003
70°	443147	9929	9363	293067
75°	373031	10497	9372	239190
80°	271013	12292	9499	206751
85°	287235	17815	7793	214869

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	996.3	2.3
10°-20°	2085.0	4.8
20°-30°	3004.7	7.0
30°-40°	4325.6	10.0
40°-50°	6144.2	14.3
50°-60°	8833.6	20.5
60°-70°	10205.8	23.7
70°-80°	5778.7	13.4
80°-90°	1719.8	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°	6086.0	14.1
0°-40°	10411.6	24.2
0°-60°	25389.5	58.9
0°-90°	43093.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	43093.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	12873	12873	12873	12873	12873	
5°	13197	8582	9375	13864	13197	1197
15°	11142	3750	3552	10421	11142	3276
25°	15631	1911	1857	12314	15631	7255
35°	20265	1442	1388	16515	20265	12861
45°	24321	1172	1064	19634	24321	18832
55°	28036	992	883	23961	28036	25390
65°	32885	739	703	23636	32885	31535
75°	17939	505	451	11503	17939	19034
85°	4652	288	126	3480	4652	4632
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°	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9
2.5°	13594.0	13576.0	13467.8	13125.3	12764.7	12422.1	12097.6	11755.1	11574.8	11358.4	11268.3
5°	13197.4	13161.3	12854.8	12097.6	11430.5	10709.4	10096.4	9609.6	9212.9	8816.3	8672.1
7.5°	12295.9	12241.9	11881.3	10835.6	9862.0	8924.5	8185.3	7554.2	7031.4	6797.0	6526.6
10°	11574.8	11484.6	11015.9	9862.0	8599.9	7662.4	7175.6	6742.9	6292.2	5913.6	5516.9
12.5°	11124.0	11015.9	10529.1	9176.9	7950.9	7247.8	6742.9	6256.1	5697.2	5228.5	4795.8
15°	11142.1	11015.9	10420.9	8996.6	7788.6	6887.2	6184.0	5516.9	4867.9	4345.0	3858.3
17.5°	11664.9	11502.7	10871.6	9249.0	7662.4	6418.4	5480.9	4615.5	3876.3	3317.4	2920.7
20°	12602.4	12494.3	11773.1	9627.6	7536.2	5913.6	4759.7	3714.0	2938.8	2506.1	2343.8
22.5°	14008.7	13882.5	13107.3	10204.5	7500.2	5462.9	3984.5	2920.7	2361.8	2181.5	2091.4
25°	15631.3	15397.0	14675.8	11178.1	7572.3	5048.2	3353.4	2415.9	2109.4	1983.2	1929.1
27.5°	17037.6	16893.4	16082.1	12097.6	7608.3	4723.7	2920.7	2199.6	1965.2	1857.0	1821.0
30°	18101.4	18047.3	17254.0	13107.3	7518.2	4327.0	2650.3	2109.4	1965.2	1857.0	1748.8
32.5°	19165.1	19183.1	18335.7	13882.5	7392.0	3984.5	2397.9	1875.0	1730.8	1658.7	1676.7
35°	20264.9	20355.0	19633.8	14639.7	7121.5	3858.3	2217.6	1748.8	1622.6	1514.5	1460.4
37.5°	21653.1	21887.5	21184.4	15487.1	6851.1	3750.1	2127.4	1658.7	1532.5	1442.3	1370.2
40°	22770.9	23203.6	22789.0	16280.4	6670.8	3623.9	2055.3	1568.5	1478.4	1370.2	1316.1
42.5°	23600.3	24105.1	23960.9	16893.4	6670.8	3497.7	1983.2	1514.5	1442.3	1316.1	1244.0
45°	24321.4	24844.3	24826.3	17524.4	6815.1	3425.6	1893.1	1514.5	1406.3	1280.1	1208.0
47.5°	24970.5	25493.3	25673.6	18317.7	7049.4	3389.5	1784.9	1478.4	1406.3	1262.0	1153.9
50°	25673.6	26250.6	26791.4	19579.7	7337.9	3299.3	1712.8	1424.3	1424.3	1244.0	1117.8
52.5°	26575.1	27224.1	28215.8	21148.3	7626.4	3137.1	1604.6	1388.3	1424.3	1226.0	1081.8
55°	28035.5	28576.3	29874.4	23023.3	7987.0	2938.8	1514.5	1298.1	1352.2	1171.9	1027.7
57.5°	29676.1	30144.9	31226.6	24465.7	8095.1	2686.4	1388.3	1208.0	1298.1	1117.8	955.5
60°	31695.4	31929.8	31929.8	24880.3	7734.5	2452.0	1298.1	1135.8	1171.9	1063.7	901.5
62.5°	32975.5	32975.5	31929.8	24123.1	7049.4	2253.7	1226.0	1063.7	1027.7	991.6	847.4
65°	32885.3	32741.1	31190.6	21923.5	6256.1	2127.4	1153.9	973.6	919.5	901.5	793.3
67.5°	31370.9	31118.5	29009.0	18822.5	5426.8	2073.4	1081.8	883.4	847.4	811.3	721.2
70°	28161.7	27512.6	24916.4	15144.6	4615.5	2037.3	1063.7	811.3	775.3	739.2	667.1
72.5°	23510.1	22680.8	19453.5	11646.9	3876.3	1911.1	1009.6	721.2	703.1	667.1	595.0
75°	17939.1	16406.6	13576.0	8906.4	3010.9	1658.7	865.4	631.0	631.0	613.0	540.9
77.5°	12368.1	11574.8	9465.3	6580.7	2199.6	1280.1	703.1	558.9	558.9	576.9	504.8
80°	8744.2	8005.0	6742.9	4723.7	1388.3	865.4	540.9	468.8	522.8	558.9	468.8
82.5°	6688.8	6148.0	5012.1	3443.6	811.3	595.0	414.7	378.6	450.7	486.8	396.6
85°	4651.5	4002.5	2542.1	2307.7	468.8	360.6	306.5	306.5	396.6	486.8	360.6
87.5°	1316.1	558.9	162.3	685.1	198.3	144.2	108.2	72.1	108.2	108.2	72.1
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°	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9
2.5°	11178.1	11070.0	11070.0	11033.9	11051.9	11070.0	11051.9	11178.1	11232.2	11304.3	11448.6
5°	8581.9	8726.1	8618.0	8726.1	8870.4	9086.7	9140.8	9303.1	9321.1	9447.3	9375.2
7.5°	6364.3	6346.3	6256.1	6382.3	6779.0	7085.5	7229.7	7319.9	7337.9	7337.9	7247.8
10°	5390.7	5228.5	5066.2	4976.1	5012.1	5336.7	5444.8	5498.9	5462.9	5516.9	5444.8
12.5°	4615.5	4471.3	4236.9	4074.6	3966.4	4056.6	4164.8	4218.8	4254.9	4345.0	4417.2
15°	3750.1	3605.8	3461.6	3371.5	3281.3	3209.2	3299.3	3353.4	3443.6	3515.7	3551.8
17.5°	2848.6	2776.5	2704.4	2758.5	2758.5	2722.4	2758.5	2776.5	2812.6	2866.6	2848.6
20°	2307.7	2289.7	2271.7	2361.8	2433.9	2433.9	2470.0	2415.9	2397.9	2343.8	2325.8
22.5°	2055.3	2055.3	2073.4	2145.5	2217.6	2253.7	2253.7	2163.5	2073.4	2037.3	2055.3
25°	1911.1	1911.1	1965.2	1983.2	2019.3	2019.3	2037.3	1947.2	1893.1	1839.0	1857.0
27.5°	1802.9	1802.9	1821.0	1821.0	1839.0	1839.0	1857.0	1821.0	1748.8	1730.8	1730.8
30°	1730.8	1730.8	1712.8	1712.8	1712.8	1712.8	1730.8	1676.7	1640.7	1622.6	1622.6
32.5°	1658.7	1640.7	1622.6	1622.6	1604.6	1604.6	1622.6	1568.5	1550.5	1550.5	1550.5
35°	1442.3	1424.3	1442.3	1478.4	1478.4	1496.4	1496.4	1478.4	1442.3	1406.3	1388.3
37.5°	1352.2	1334.2	1334.2	1334.2	1370.2	1388.3	1406.3	1370.2	1316.1	1262.0	1262.0
40°	1280.1	1280.1	1262.0	1262.0	1262.0	1298.1	1334.2	1280.1	1208.0	1189.9	1189.9
42.5°	1226.0	1208.0	1189.9	1171.9	1153.9	1208.0	1244.0	1171.9	1135.8	1135.8	1135.8
45°	1171.9	1153.9	1135.8	1117.8	1099.8	1117.8	1153.9	1081.8	1063.7	1063.7	1063.7
47.5°	1117.8	1099.8	1063.7	1045.7	1027.7	1027.7	1063.7	1009.6	991.6	1009.6	1009.6
50°	1081.8	1045.7	1009.6	991.6	973.6	973.6	973.6	955.5	955.5	955.5	973.6
52.5°	1045.7	1009.6	955.5	937.5	919.5	919.5	919.5	919.5	901.5	919.5	937.5
55°	991.6	955.5	919.5	901.5	883.4	865.4	883.4	865.4	865.4	883.4	883.4
57.5°	919.5	883.4	847.4	847.4	829.3	829.3	847.4	829.3	829.3	847.4	847.4
60°	865.4	829.3	793.3	793.3	775.3	793.3	811.3	793.3	793.3	793.3	811.3
62.5°	793.3	775.3	739.2	739.2	739.2	739.2	757.2	739.2	757.2	757.2	757.2
65°	739.2	703.1	685.1	685.1	685.1	685.1	721.2	685.1	703.1	703.1	703.1
67.5°	685.1	649.1	631.0	631.0	631.0	631.0	667.1	631.0	649.1	667.1	649.1
70°	631.0	595.0	576.9	576.9	576.9	576.9	595.0	576.9	576.9	595.0	595.0
72.5°	558.9	540.9	522.8	522.8	504.8	522.8	540.9	522.8	522.8	522.8	522.8
75°	504.8	486.8	486.8	468.8	468.8	468.8	486.8	450.7	450.7	450.7	450.7
77.5°	468.8	432.7	432.7	432.7	414.7	432.7	414.7	378.6	378.6	378.6	378.6
80°	396.6	360.6	378.6	378.6	360.6	360.6	342.6	306.5	306.5	306.5	306.5
82.5°	324.5	288.5	306.5	306.5	306.5	306.5	270.4	252.4	234.4	216.4	216.4
85°	288.5	234.4	270.4	270.4	252.4	252.4	180.3	180.3	144.2	144.2	126.2
87.5°	54.1	36.1	72.1	90.1	90.1	108.2	72.1	90.1	54.1	36.1	36.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9
2.5°	11430.5	11628.9	11899.3	12097.6	12404.1	12638.5	12999.1	13305.6	13594.0	13720.2	13846.5
5°	9591.6	9717.8	10132.4	10457.0	10943.7	11466.6	12115.6	12818.8	13540.0	13864.5	14243.1
7.5°	7175.6	7410.0	7644.4	8113.2	8708.1	9555.5	10384.8	11430.5	12440.2	12927.0	13576.0
10°	5571.0	5751.3	6021.8	6508.6	7067.5	7770.6	8762.2	10006.2	11214.2	11845.2	12512.3
12.5°	4471.3	4723.7	5084.2	5589.1	6238.1	6959.3	7680.5	8834.3	10240.6	10961.8	11719.0
15°	3623.9	3822.2	4218.8	4849.9	5607.1	6346.3	7103.5	8059.1	9591.6	10420.9	11322.4
17.5°	2884.7	3028.9	3389.5	4020.5	4777.7	5607.1	6472.5	7680.5	9375.2	10384.8	11448.6
20°	2343.8	2452.0	2686.4	3155.1	3876.3	4777.7	5859.5	7319.9	9501.4	10799.5	12097.6
22.5°	2055.3	2091.4	2199.6	2452.0	3046.9	4002.5	5300.6	7013.4	9735.8	11412.5	13161.3
25°	1857.0	1893.1	1929.1	2091.4	2433.9	3335.4	4813.8	6833.1	10240.6	12314.0	14387.3
27.5°	1730.8	1766.9	1784.9	1857.0	2091.4	2848.6	4399.1	6724.9	10925.7	13630.1	15901.8
30°	1622.6	1622.6	1676.7	1784.9	1947.2	2506.1	4038.5	6472.5	11646.9	14729.9	17091.7
32.5°	1532.5	1550.5	1622.6	1676.7	1784.9	2217.6	3678.0	6148.0	12295.9	15631.3	18263.6
35°	1370.2	1370.2	1388.3	1478.4	1622.6	1983.2	3353.4	5823.4	12656.5	16514.8	19309.3
37.5°	1262.0	1280.1	1316.1	1388.3	1514.5	1821.0	3083.0	5462.9	13035.1	17344.1	20535.3
40°	1189.9	1208.0	1244.0	1316.1	1442.3	1676.7	2848.6	5174.4	13431.8	18245.6	21851.4
42.5°	1135.8	1153.9	1189.9	1262.0	1370.2	1640.7	2596.2	4940.0	13666.2	19074.9	23095.4
45°	1081.8	1099.8	1153.9	1226.0	1316.1	1604.6	2452.0	4777.7	13756.3	19633.8	24087.1
47.5°	1027.7	1045.7	1099.8	1208.0	1316.1	1550.5	2397.9	4687.6	13828.4	20264.9	24880.3
50°	973.6	1009.6	1081.8	1189.9	1334.2	1478.4	2361.8	4669.6	14243.1	21076.2	25637.6
52.5°	937.5	991.6	1063.7	1189.9	1316.1	1370.2	2343.8	4723.7	15072.4	22284.1	26719.3
55°	901.5	955.5	1027.7	1189.9	1262.0	1280.1	2253.7	4813.8	16334.5	23960.9	28251.8
57.5°	865.4	901.5	991.6	1153.9	1189.9	1208.0	2073.4	4940.0	17596.5	25601.5	29820.4
60°	811.3	847.4	937.5	1153.9	1081.8	1135.8	1839.0	4976.1	18498.0	26124.4	29964.6
62.5°	757.2	793.3	883.4	1189.9	991.6	1063.7	1640.7	4849.9	18678.3	25367.1	29153.3
65°	703.1	739.2	811.3	991.6	919.5	991.6	1514.5	4507.3	18083.3	23636.3	27674.9
67.5°	649.1	685.1	739.2	811.3	829.3	901.5	1460.4	3966.4	16586.9	21490.8	25655.6
70°	576.9	613.0	667.1	721.2	739.2	847.4	1370.2	3443.6	14171.0	18624.2	23185.6
72.5°	522.8	540.9	595.0	631.0	667.1	775.3	1316.1	3010.9	10835.6	15072.4	18912.7
75°	450.7	450.7	504.8	540.9	576.9	685.1	1208.0	2506.1	7644.4	11502.7	13900.5
77.5°	378.6	378.6	414.7	450.7	486.8	595.0	1027.7	2037.3	5300.6	9122.8	10078.3
80°	288.5	288.5	324.5	360.6	396.6	504.8	829.3	1496.4	3281.3	6670.8	7337.9
82.5°	198.3	198.3	252.4	270.4	288.5	396.6	631.0	1027.7	1929.1	4813.8	5246.5
85°	108.2	108.2	144.2	162.3	198.3	288.5	468.8	721.2	1153.9	3479.6	3497.7
87.5°	18.0	18.0	54.1	54.1	90.1	144.2	270.4	396.6	649.1	1929.1	1226.0
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: P598730
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9	12872.9
2.5°	14080.8	14279.2	14297.2	14297.2	14207.0	14225.1	13972.7	13702.2	13612.1	13594.0
5°	14820.0	15342.9	15487.1	15559.2	15324.8	14964.3	14315.2	13612.1	13251.5	13197.4
7.5°	14675.8	15721.5	16280.4	16352.5	15883.8	15036.4	13900.5	12818.8	12404.1	12295.9
10°	13828.4	15234.7	16244.3	16496.7	15991.9	14910.2	13431.8	12169.7	11664.9	11574.8
12.5°	13233.5	14585.7	15577.3	15919.8	15685.4	14747.9	13197.4	11755.1	11250.2	11124.0
15°	12908.9	14152.9	14802.0	14910.2	14892.1	14495.5	13197.4	11845.2	11286.3	11142.1
17.5°	13179.4	14026.7	14116.9	13864.5	14008.7	14207.0	13485.9	12332.0	11791.1	11664.9
20°	13720.2	13972.7	13540.0	13161.3	13233.5	13864.5	13936.6	13251.5	12818.8	12602.4
22.5°	14856.1	14171.0	13179.4	12656.5	12710.6	13594.0	14531.6	14495.5	14116.9	14008.7
25°	16010.0	14729.9	13071.2	12458.2	12530.3	13540.0	15234.7	15883.8	15685.4	15631.3
27.5°	17290.0	15667.4	13143.3	12368.1	12458.2	13612.1	15721.5	17055.7	17091.7	17037.6
30°	18155.4	16118.1	13359.7	12476.2	12602.4	13792.4	15829.7	17758.8	18083.3	18101.4
32.5°	18876.6	16568.9	13810.4	12656.5	12872.9	14116.9	16118.1	18425.9	19147.0	19165.1
35°	19453.5	17073.7	14369.3	12981.0	13305.6	14657.8	16496.7	19056.9	20138.7	20264.9
37.5°	20192.7	17632.6	15018.4	13684.2	14044.8	15433.0	17163.8	19796.1	21310.6	21653.1
40°	20986.0	18191.5	15955.9	14820.0	15342.9	16586.9	17921.1	20625.4	22302.2	22770.9
42.5°	21869.5	18786.5	17019.6	16352.5	17145.8	18047.3	18786.5	21382.7	23059.4	23600.3
45°	22734.9	19507.6	18570.1	18443.9	19327.3	19778.1	19633.8	21923.5	23780.6	24321.4
47.5°	23347.9	20553.3	20445.2	21202.4	22031.7	21797.3	20625.4	22320.2	24375.5	24970.5
50°	23906.8	21851.4	22807.0	24285.4	24790.2	23996.9	21689.2	22861.1	25006.5	25673.6
52.5°	24736.1	23239.7	25240.9	27079.9	27566.7	26304.7	22843.0	23744.5	25980.1	26575.1
55°	26430.9	24808.2	27783.1	29892.5	29982.6	28414.1	24393.6	25240.9	27350.3	28035.5
57.5°	28323.9	26737.4	29802.3	32218.2	32182.2	30523.5	26142.4	27260.2	29207.4	29676.1
60°	30036.7	28684.5	32001.9	33876.9	33786.8	32056.0	28179.7	29549.9	31334.8	31695.4
62.5°	31046.3	30451.4	32975.5	34399.8	34057.2	32560.8	29910.5	31587.2	32849.3	32975.5
65°	30884.1	31461.0	31839.6	32723.1	32236.3	31154.5	30757.9	32885.3	33011.5	32885.3
67.5°	29658.1	30884.1	28720.6	28810.7	28558.3	27638.8	29441.7	32542.8	31677.4	31370.9
70°	27801.1	27891.2	24014.9	22879.1	23275.7	22013.7	25259.0	29874.4	28540.3	28161.7
72.5°	24718.1	23600.3	18155.4	17001.6	17596.5	16695.1	20264.9	26034.2	24736.1	23510.1
75°	20733.6	18696.3	13828.4	12187.8	12494.3	12458.2	15703.5	21508.9	19165.1	17939.1
77.5°	16064.0	14567.6	10204.5	9573.5	9249.0	9321.1	10961.8	15991.9	13900.5	12368.1
80°	11737.0	10186.5	7896.8	8257.4	8077.1	7644.4	7680.5	10709.4	9663.7	8744.2
82.5°	8113.2	7247.8	6400.4	7229.7	6797.0	6129.9	5985.7	7716.5	7247.8	6688.8
85°	5444.8	5967.7	5084.2	5535.0	4795.8	4417.2	5625.1	6454.5	5210.4	4651.5
87.5°	3551.8	5462.9	3659.9	2776.5	1586.6	2127.4	3443.6	4236.9	2433.9	1316.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)