

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: P599340

Luminaire Tested: **IFLD-L-SA8D-827-U-SLR-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599340
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8D-827-U-SLR-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens with House Side Shield
 Light Source: (128) 2700K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

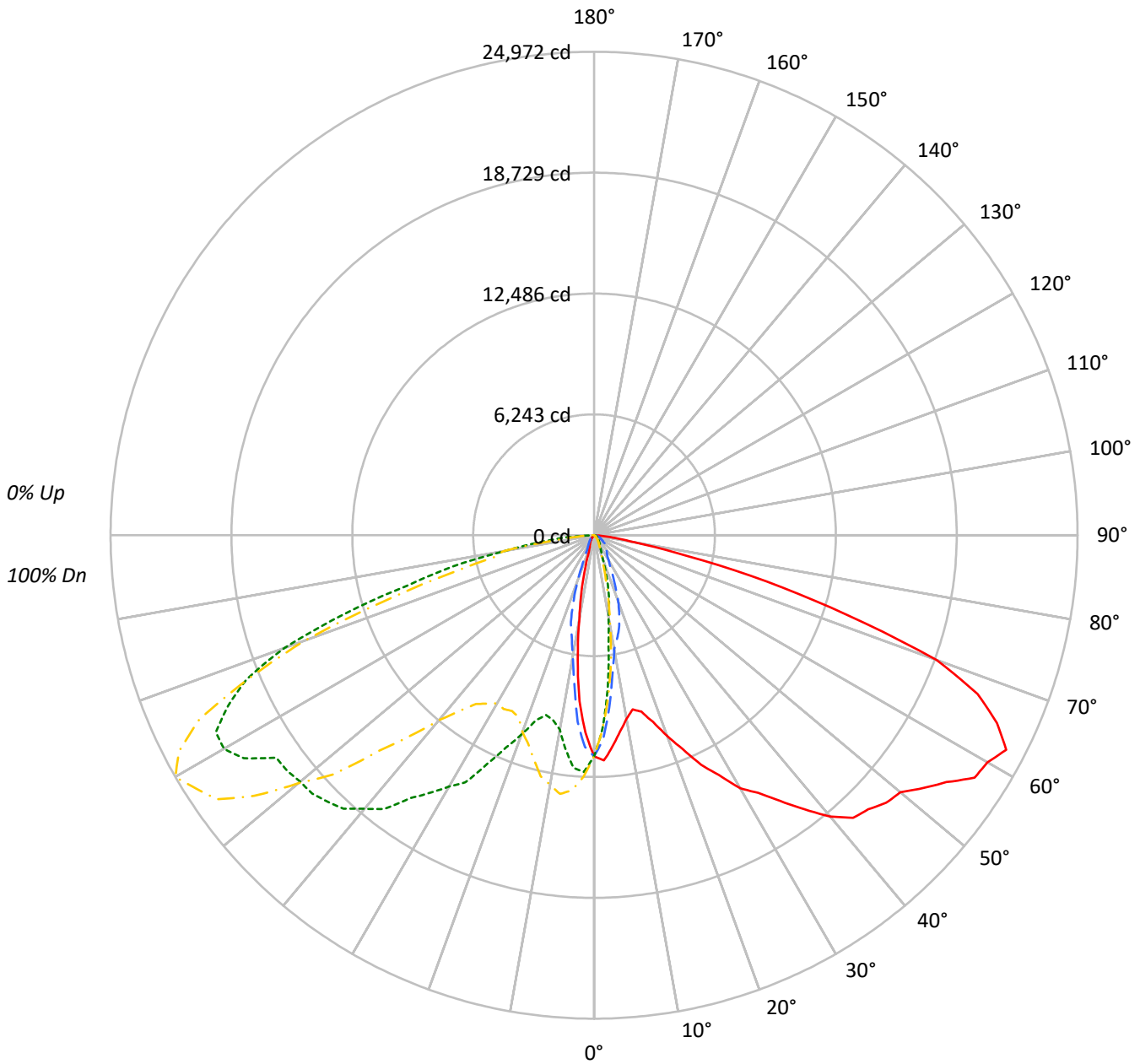
Lumens per Lamp: N/A
 Luminaire Lumens: 29850.5 lumens
 Efficiency: N/A
 Efficacy: 61.1 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.52 / 0.65
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 488.3
 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79	79	79
2	95	85	77	70	92	83	75	69	79	73	67	76	71	66	73	68	64	62	62	62
3	85	72	63	55	82	71	62	54	67	60	53	65	58	52	62	56	51	49	49	49
4	76	62	52	44	74	61	51	44	58	50	43	56	49	43	53	47	42	40	40	40
5	69	55	44	37	67	53	44	36	51	43	36	49	41	35	47	40	35	33	33	33
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27	27	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24	24	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20	20	20
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	32	25	20	18	18	18
10	47	33	24	18	46	32	24	18	31	24	18	30	23	18	29	23	18	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	61418	61418	61418	61418
5°	59131	43217	46522	65174
10°	52646	23530	23838	55724
15°	52554	15694	9596	53540
20°	63101	7836	3826	62732
25°	77612	4922	2963	77230
30°	93776	3951	2251	93175
35°	110034	3173	1745	108923
40°	133211	2714	1131	129536
45°	152400	2450	613	148173
50°	172905	2359	135	165830
55°	208570	2265	0	188030
60°	252515	1906	0	237529
65°	292397	1537	0	265750
70°	296081	1267	0	267968
75°	191615	836	0	205504
80°	65350	248	0	145418
85°	32802	0	0	106848

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	864.5	2.9
10°-20°	1673.9	5.6
20°-30°	2331.3	7.8
30°-40°	3312.6	11.1
40°-50°	4593.6	15.4
50°-60°	6259.0	21.0
60°-70°	6881.3	23.1
70°-80°	3382.1	11.3
80°-90°	552.3	1.9
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°	4869.7	16.3
0°-40°	8182.3	27.4
0°-60°	19034.8	63.8
0°-90°	29850.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29850.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11412	11412	11412	11412	11412	
5°	10945	8000	8611	12064	10945	1002
15°	9432	2817	1722	9609	9432	2792
25°	13070	829	499	13005	13070	6076
35°	16748	483	266	16578	16748	10631
45°	20023	322	80	19468	20023	15522
55°	22228	241	0	20039	22228	19996
65°	22960	121	0	20868	22960	22189
75°	9215	40	0	9883	9215	10046
85°	531	0	0	1730	531	735
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°	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8
2.5°	11645.2	11782.0	11653.3	11202.6	11122.1	10904.8	10574.9	10550.7	10204.7	10244.9	10059.8
5°	10945.1	11081.9	10808.2	10212.7	9657.4	9214.8	8949.2	8474.4	8369.7	8136.4	8136.4
7.5°	10228.8	10220.7	9754.0	9255.0	8426.1	7613.3	7243.0	6559.0	6156.6	5939.3	5730.1
10°	9633.3	9504.5	9214.8	8184.6	7283.3	6438.3	5979.5	5528.9	5110.4	4748.2	4386.1
12.5°	9214.8	9295.2	8836.5	7717.9	6550.9	5963.4	5472.5	4997.7	4498.7	4088.3	3685.9
15°	9432.1	9303.3	8764.1	7613.3	6430.2	5625.4	4973.6	4394.1	3838.8	3299.6	2993.8
17.5°	10108.1	9778.1	9142.3	7613.3	6180.7	5110.4	4321.7	3637.6	3042.1	2559.2	2181.0
20°	11017.5	10639.2	9955.2	7894.9	5995.6	4732.1	3653.7	2792.6	2172.9	1722.2	1432.5
22.5°	11951.0	11653.3	10623.1	8007.6	5778.3	4225.1	2881.1	2020.0	1448.6	1158.9	1014.0
25°	13069.7	12651.2	11524.5	8458.3	5456.4	3734.2	2269.5	1408.4	1078.4	925.5	837.0
27.5°	13963.0	13890.6	12369.5	8731.9	5215.0	3331.8	1794.7	1118.6	893.3	780.6	724.3
30°	15089.7	14695.3	13399.6	9279.2	4941.4	2873.1	1496.9	1006.0	820.9	700.2	659.9
32.5°	15765.7	15580.6	13938.8	9585.0	4635.6	2494.8	1287.7	885.3	748.4	659.9	619.7
35°	16747.5	16377.3	14711.4	9778.1	4474.6	2277.5	1158.9	804.8	627.7	539.2	490.9
37.5°	17842.0	17705.2	15636.9	9770.1	4241.2	2148.8	1070.4	748.4	595.5	499.0	442.6
40°	18960.7	18405.4	16200.3	9995.4	4120.5	2052.2	1006.0	716.3	563.3	474.8	402.4
42.5°	19797.7	19161.9	16852.2	9914.9	3975.6	1883.2	981.8	668.0	539.2	434.6	370.2
45°	20023.0	19797.7	17439.7	9890.8	3871.0	1746.4	941.6	659.9	523.1	410.4	346.1
47.5°	20457.6	20304.7	18164.0	9931.0	3790.5	1641.8	845.0	676.0	499.0	386.3	330.0
50°	20650.7	20377.1	18751.5	10027.6	3605.4	1513.0	756.5	708.2	490.9	378.2	313.9
52.5°	21447.5	21206.0	19556.2	10301.2	3452.5	1344.0	668.0	676.0	507.0	354.1	297.8
55°	22228.1	21954.5	20795.6	10929.0	3235.2	1207.2	571.4	595.5	482.9	321.9	265.6
57.5°	23298.5	22847.8	21624.5	11186.5	3042.1	1022.1	507.0	490.9	450.7	289.7	233.4
60°	23459.4	23644.5	21503.8	11025.5	2840.9	901.4	442.6	378.2	482.9	257.5	201.2
62.5°	23998.6	23226.0	20940.5	10655.3	2696.0	828.9	394.3	313.9	418.5	225.3	169.0
65°	22960.5	22389.1	19620.6	9464.3	2510.9	837.0	346.1	257.5	265.6	185.1	136.8
67.5°	21439.4	20988.7	17431.6	8168.6	2325.8	820.9	305.8	225.3	201.2	161.0	120.7
70°	18815.8	17842.0	14808.0	6631.4	2052.2	764.5	257.5	201.2	169.0	128.8	88.5
72.5°	13689.4	13295.0	10623.1	5126.5	1843.0	692.1	241.4	169.0	144.9	96.6	72.4
75°	9214.8	8562.9	6703.8	3364.0	1480.8	603.6	201.2	152.9	112.7	72.4	56.3
77.5°	4868.9	4603.4	3798.6	1601.5	820.9	281.7	112.7	88.5	64.4	56.3	32.2
80°	2108.5	1875.1	1641.8	651.9	289.7	128.8	72.4	48.3	40.2	32.2	16.1
82.5°	1078.4	1030.1	853.1	281.7	169.0	96.6	40.2	32.2	24.1	16.1	8.0
85°	531.2	547.3	450.7	88.5	96.6	56.3	8.0	8.0	0.0	0.0	0.0
87.5°	40.2	40.2	32.2	16.1	24.1	8.0	0.0	0.0	0.0	0.0	0.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8
2.5°	9987.4	10100.0	9906.9	10027.6	9971.3	9995.4	10019.6	9955.2	9971.3	10196.6	10204.7
5°	7999.5	8216.8	8136.4	8249.0	8442.2	8345.6	8434.1	8418.0	8434.1	8466.3	8611.2
7.5°	5705.9	5641.5	5794.4	6092.2	6438.3	6647.5	6542.9	6486.6	6454.4	6373.9	6470.5
10°	4305.6	4273.4	4233.2	4321.7	4547.0	4780.4	4909.2	4691.9	4571.2	4418.3	4361.9
12.5°	3573.2	3372.0	3259.4	3122.6	3186.9	3396.2	3404.2	3195.0	3001.8	2921.4	3009.9
15°	2816.7	2679.9	2478.7	2285.6	2189.0	2350.0	2213.2	2012.0	1762.5	1730.3	1722.2
17.5°	2012.0	1931.5	1786.6	1706.1	1593.5	1553.2	1408.4	1102.6	925.5	877.2	893.3
20°	1368.1	1303.7	1295.7	1223.3	1175.0	1142.8	909.4	708.2	651.9	659.9	668.0
22.5°	1014.0	981.8	941.6	933.5	893.3	853.1	668.0	595.5	555.3	555.3	579.4
25°	828.9	812.8	772.6	756.5	740.4	684.1	563.3	507.0	490.9	474.8	499.0
27.5°	708.2	700.2	676.0	651.9	635.8	579.4	490.9	442.6	426.5	426.5	426.5
30°	635.8	635.8	603.6	555.3	555.3	490.9	418.5	386.3	370.2	370.2	362.2
32.5°	595.5	579.4	539.2	507.0	482.9	418.5	370.2	338.0	313.9	313.9	321.9
35°	482.9	482.9	474.8	450.7	418.5	354.1	313.9	281.7	265.6	257.5	265.6
37.5°	426.5	402.4	370.2	378.2	362.2	305.8	265.6	241.4	217.3	217.3	217.3
40°	386.3	362.2	330.0	305.8	297.8	273.6	233.4	193.1	169.0	161.0	161.0
42.5°	346.1	330.0	281.7	241.4	233.4	233.4	177.1	144.9	120.7	120.7	120.7
45°	321.9	297.8	257.5	209.2	169.0	177.1	144.9	104.6	88.5	80.5	80.5
47.5°	305.8	281.7	225.3	177.1	128.8	128.8	104.6	72.4	56.3	48.3	48.3
50°	281.7	257.5	201.2	144.9	96.6	80.5	64.4	40.2	24.1	16.1	16.1
52.5°	265.6	241.4	177.1	120.7	80.5	56.3	40.2	8.0	0.0	0.0	0.0
55°	241.4	209.2	152.9	96.6	64.4	32.2	8.0	0.0	0.0	0.0	0.0
57.5°	209.2	185.1	120.7	72.4	40.2	8.0	0.0	0.0	0.0	0.0	0.0
60°	177.1	152.9	96.6	56.3	16.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	144.9	128.8	72.4	32.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	120.7	96.6	56.3	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	104.6	80.5	40.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	80.5	56.3	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	56.3	40.2	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	40.2	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	24.1	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8
2.5°	10236.8	10478.3	10703.6	10768.0	10945.1	11436.0	11436.0	11669.4	12087.8	12240.8	12272.9
5°	8635.3	8892.9	8941.1	9440.1	9673.5	10172.5	10502.4	11291.1	11765.9	12063.7	12248.8
7.5°	6567.0	6655.6	6840.7	7307.4	7766.2	8369.7	8997.5	10003.5	10840.4	11178.4	11806.2
10°	4514.8	4780.4	5182.8	5601.3	6317.5	6985.5	7798.4	8748.0	9778.1	10196.6	10735.8
12.5°	3042.1	3412.3	4056.1	4651.6	5311.6	5987.6	6760.2	8031.7	9198.7	9778.1	10317.3
15°	1778.6	2229.2	2784.6	3750.3	4627.5	5384.0	6156.6	7444.2	8860.7	9609.1	10269.0
17.5°	901.4	1038.2	1496.9	2333.9	3492.8	4732.1	5883.0	7524.7	9118.2	10035.6	10582.9
20°	676.0	716.3	845.0	1239.4	2390.2	3911.2	5625.4	7645.4	9834.5	10953.1	11250.9
22.5°	587.5	619.7	676.0	804.8	1344.0	2993.8	5263.3	7943.2	10808.2	11862.5	12490.2
25°	499.0	531.2	579.4	659.9	861.1	2036.1	4820.7	8257.1	11677.4	13005.3	13592.8
27.5°	434.6	458.7	507.0	571.4	700.2	1295.7	4056.1	8675.6	13005.3	14389.5	14542.4
30°	370.2	394.3	434.6	507.0	595.5	917.5	2977.7	8731.9	13737.7	14993.1	15419.6
32.5°	321.9	330.0	378.2	442.6	499.0	724.3	2092.4	8788.2	14276.9	15773.8	15862.3
35°	265.6	281.7	330.0	370.2	434.6	571.4	1585.4	8506.6	14977.0	16578.5	16554.4
37.5°	217.3	241.4	273.6	305.8	354.1	482.9	1263.5	7983.5	15854.2	17826.0	17069.5
40°	169.0	193.1	225.3	265.6	297.8	434.6	949.6	7194.8	16771.7	18437.6	17632.8
42.5°	120.7	136.8	169.0	209.2	265.6	362.2	684.1	6261.2	17133.8	19153.8	18308.8
45°	88.5	104.6	128.8	177.1	273.6	289.7	474.8	5408.1	17520.1	19467.7	18155.9
47.5°	48.3	64.4	96.6	152.9	241.4	217.3	338.0	4643.6	17962.8	19749.4	18276.6
50°	16.1	24.1	56.3	161.0	193.1	169.0	265.6	4233.2	18397.3	19805.7	18518.1
52.5°	0.0	0.0	32.2	169.0	144.9	128.8	233.4	4072.2	18284.7	19982.8	18365.2
55°	0.0	0.0	8.0	72.4	80.5	96.6	193.1	4064.2	19081.4	20039.1	19202.1
57.5°	0.0	0.0	0.0	24.1	48.3	80.5	169.0	3806.6	19588.4	21439.4	20328.8
60°	0.0	0.0	0.0	8.0	32.2	56.3	128.8	3581.3	20103.5	22067.2	21536.0
62.5°	0.0	0.0	0.0	0.0	8.0	24.1	88.5	3235.2	19065.3	22018.9	22702.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	56.3	2559.2	17149.9	20868.0	22059.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	32.2	1770.5	15017.3	19419.4	20876.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1070.4	12120.0	17029.2	17705.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	458.7	8651.4	13520.4	14526.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	185.1	5351.8	9882.7	11122.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.4	3468.6	7484.5	8442.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1	1851.0	4691.9	5456.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	804.8	2848.9	3283.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	257.5	1730.3	1971.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	265.6	354.1
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: P599340
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8	11411.8
2.5°	12289.0	12522.4	12611.0	12474.1	12490.2	12208.6	12168.3	11774.0	11613.0	11645.2
5°	12852.4	13190.4	13375.5	13222.6	12876.5	12337.3	11846.4	11379.6	11089.9	10945.1
7.5°	12723.6	13101.9	13335.3	13480.1	13085.8	12216.6	11468.2	10590.9	10220.7	10228.8
10°	12015.4	12804.1	13278.9	13093.8	12908.7	12039.6	10880.7	9931.0	9601.1	9633.3
12.5°	11444.0	12321.2	12602.9	12747.8	12369.5	11677.4	10896.8	9810.3	9440.1	9214.8
15°	11089.9	11741.8	11757.9	11983.2	11830.3	11830.3	11065.8	10003.5	9681.5	9432.1
17.5°	11089.9	11234.8	11218.7	11299.2	11556.7	11862.5	11492.3	10784.1	10148.3	10108.1
20°	11339.4	10888.7	10784.1	10816.3	11033.6	11943.0	12433.9	11548.6	11146.2	11017.5
22.5°	11918.8	10929.0	10293.2	10180.5	10848.5	11934.9	13037.5	12755.8	12055.7	11951.0
25°	12715.6	10856.5	10164.4	10019.6	10526.6	12224.7	13866.4	13922.8	13287.0	13069.7
27.5°	13472.1	11178.4	10148.3	10116.1	10784.1	12160.3	14437.8	14856.3	14140.0	13963.0
30°	13729.6	11500.4	10446.1	10019.6	10880.7	12393.7	14421.7	15516.2	15049.4	15089.7
32.5°	14035.4	11822.3	10478.3	10309.3	11291.1	12771.9	14880.4	16578.5	16240.5	15765.7
35°	14486.1	12256.8	10784.1	10631.2	11580.8	13109.9	14977.0	17359.2	17302.8	16747.5
37.5°	14872.4	12683.4	11419.9	11444.0	12466.1	13657.2	15403.6	18316.9	18220.3	17842.0
40°	15146.0	13278.9	12409.8	12474.1	13238.7	14268.8	16160.0	18799.7	19516.0	18960.7
42.5°	15186.3	13810.1	13544.5	14059.6	14775.8	15218.5	16465.9	19129.7	20159.8	19797.7
45°	15339.2	14655.1	15395.5	15773.8	16361.2	16055.4	16449.8	19693.0	20208.1	20023.0
47.5°	15934.7	16192.2	17125.8	18276.6	18485.9	17479.9	16836.1	19781.6	20481.7	20457.6
50°	16554.4	17842.0	19153.8	19918.4	20184.0	18461.7	17198.2	19709.1	20843.9	20650.7
52.5°	17246.5	19274.6	21165.8	22107.4	21962.5	19548.2	17608.7	20296.6	21511.9	21447.5
55°	17681.1	19918.4	22461.5	23773.3	23660.6	20763.4	18912.4	21141.7	22389.1	22228.1
57.5°	18831.9	20964.6	23749.2	24360.8	24658.6	22356.9	19821.8	22525.9	23121.4	23298.5
60°	19781.6	21648.7	24087.2	24972.4	25077.0	23306.5	21415.3	23950.4	24055.0	23459.4
62.5°	21173.8	21914.2	23370.9	24167.6	24706.8	23845.7	22847.8	24714.9	24038.9	23998.6
65°	22195.9	21045.1	22035.0	22477.6	22823.7	23024.9	24288.4	25238.0	23741.1	22960.5
67.5°	21624.5	19403.3	19218.2	19242.4	19347.0	20562.2	23805.5	23958.4	22083.3	21439.4
70°	19033.1	15918.6	15669.1	15862.3	15339.2	16803.9	21849.9	21777.4	19483.8	18815.8
72.5°	15395.5	11605.0	11178.4	11444.0	11564.7	13118.0	18381.3	16514.2	14212.5	13689.4
75°	12232.7	8506.6	7178.7	7822.5	8232.9	9552.8	14357.3	11218.7	9923.0	9214.8
77.5°	9609.1	6438.3	5585.2	5327.7	5705.9	6945.3	10446.1	5891.0	5198.9	4868.9
80°	6092.2	4732.1	5134.5	4764.3	4925.3	4957.5	5440.3	2679.9	2132.7	2108.5
82.5°	3669.8	3235.2	3846.9	2116.6	3854.9	3444.5	2261.4	1215.2	1078.4	1078.4
85°	2599.5	2003.9	1327.9	861.1	1714.2	1891.2	877.2	627.7	547.3	531.2
87.5°	1303.7	619.7	297.8	193.1	217.3	354.1	104.6	48.3	48.3	40.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)