

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: P598832

Luminaire Tested: **IFLD-S-SA6D-830-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598832
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6D-830-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (96) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

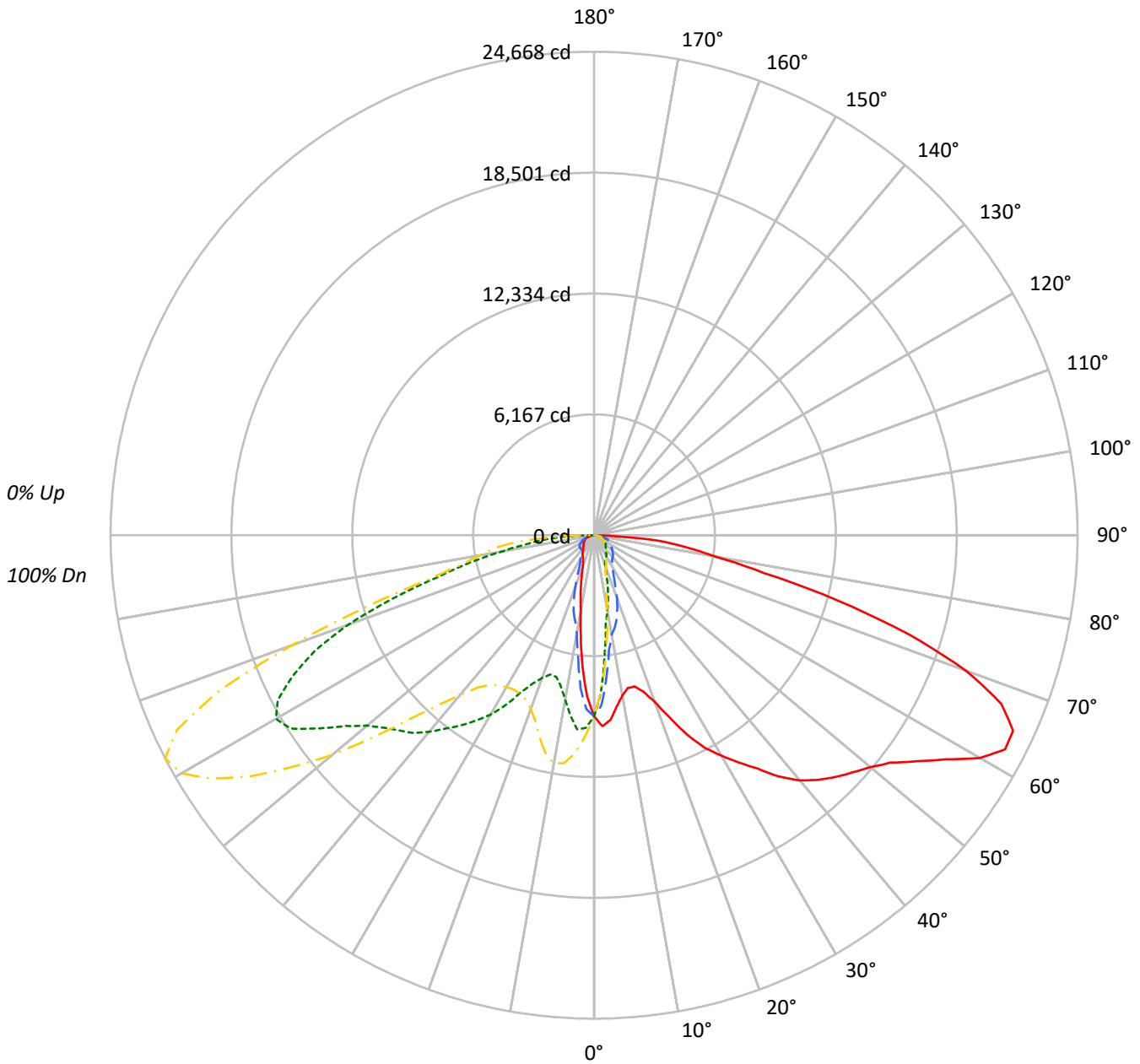
Lumens per Lamp: N/A
 Luminaire Lumens: 30902.0 lumens
 Efficiency: N/A
 Efficacy: 83.9 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	66241	66241	66241	66241
5°	68170	44329	48427	71616
10°	60480	28167	28450	61893
15°	59358	19978	18921	55515
20°	69012	12638	12736	59138
25°	88751	10851	10543	69916
30°	107556	10284	9642	87522
35°	127301	9061	8721	103744
40°	152961	8598	7993	122562
45°	176993	8529	7741	142880
50°	205529	8660	7793	168724
55°	251517	8896	7926	214963
60°	326195	8907	8350	268861
65°	400411	9001	8561	287795
70°	423700	9494	8951	280206
75°	356661	10037	8961	228693
80°	259122	11753	9083	197680
85°	274636	17035	7451	205442

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.4	2.3
10°-20°	1495.1	4.8
20°-30°	2154.7	7.0
30°-40°	3101.8	10.0
40°-50°	4405.9	14.3
50°-60°	6334.5	20.5
60°-70°	7318.4	23.7
70°-80°	4143.8	13.4
80°-90°	1233.2	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°	4364.2	14.1
0°-40°	7466.1	24.2
0°-60°	18206.5	58.9
0°-90°	30902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30902.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9231	9231	9231	9231	9231	
5°	9464	6154	6723	9942	9464	859
15°	7990	2689	2547	7473	7990	2349
25°	11209	1370	1332	8830	11209	5203
35°	14532	1034	996	11843	14532	9223
45°	17441	840	763	14079	17441	13505
55°	20104	711	634	17182	20104	18207
65°	23582	530	504	16949	23582	22613
75°	12864	362	323	8248	12864	13649
85°	3336	207	90	2495	3336	3322
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°	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0
2.5°	9748.1	9735.2	9657.6	9412.0	9153.4	8907.8	8675.1	8429.4	8300.1	8145.0	8080.4
5°	9463.7	9437.9	9218.1	8675.1	8196.7	7679.6	7240.0	6890.9	6606.5	6322.1	6218.6
7.5°	8817.3	8778.5	8519.9	7770.1	7071.9	6399.6	5869.6	5417.1	5042.1	4874.1	4680.1
10°	8300.1	8235.5	7899.4	7071.9	6166.9	5494.6	5145.6	4835.3	4512.1	4240.6	3956.1
12.5°	7976.9	7899.4	7550.3	6580.6	5701.5	5197.3	4835.3	4486.2	4085.4	3749.3	3439.0
15°	7989.9	7899.4	7472.7	6451.4	5585.1	4938.7	4434.5	3956.1	3490.7	3115.8	2766.7
17.5°	8364.8	8248.4	7795.9	6632.4	5494.6	4602.6	3930.3	3309.7	2779.6	2378.9	2094.4
20°	9037.1	8959.5	8442.4	6903.9	5404.1	4240.6	3413.1	2663.3	2107.4	1797.1	1680.7
22.5°	10045.5	9955.0	9399.1	7317.6	5378.3	3917.4	2857.2	2094.4	1693.6	1564.4	1499.7
25°	11209.1	11041.0	10523.9	8015.7	5430.0	3620.0	2404.7	1732.4	1512.6	1422.1	1383.4
27.5°	12217.5	12114.1	11532.3	8675.1	5455.9	3387.3	2094.4	1577.3	1409.2	1331.6	1305.8
30°	12980.3	12941.5	12372.6	9399.1	5391.2	3102.9	1900.5	1512.6	1409.2	1331.6	1254.1
32.5°	13743.1	13756.0	13148.3	9955.0	5300.7	2857.2	1719.5	1344.6	1241.1	1189.4	1202.4
35°	14531.7	14596.3	14079.2	10498.0	5106.8	2766.7	1590.2	1254.1	1163.6	1086.0	1047.2
37.5°	15527.2	15695.3	15191.1	11105.6	4912.9	2689.1	1525.6	1189.4	1098.9	1034.3	982.6
40°	16328.8	16639.1	16341.7	11674.5	4783.6	2598.6	1473.9	1124.8	1060.1	982.6	943.8
42.5°	16923.5	17285.5	17182.1	12114.1	4783.6	2508.1	1422.1	1086.0	1034.3	943.8	892.1
45°	17440.6	17815.6	17802.6	12566.6	4887.0	2456.4	1357.5	1086.0	1008.4	917.9	866.2
47.5°	17906.1	18281.0	18410.3	13135.4	5055.1	2430.6	1279.9	1060.1	1008.4	905.0	827.4
50°	18410.3	18824.0	19211.8	14040.4	5261.9	2365.9	1228.2	1021.4	1021.4	892.1	801.6
52.5°	19056.7	19522.1	20233.2	15165.2	5468.8	2249.6	1150.6	995.5	1021.4	879.1	775.7
55°	20103.9	20491.8	21422.6	16509.8	5727.4	2107.4	1086.0	930.9	969.6	840.4	736.9
57.5°	21280.4	21616.6	22392.3	17544.1	5804.9	1926.4	995.5	866.2	930.9	801.6	685.2
60°	22728.4	22896.5	22896.5	17841.4	5546.4	1758.3	930.9	814.5	840.4	762.8	646.4
62.5°	23646.3	23646.3	22896.5	17298.4	5055.1	1616.1	879.1	762.8	736.9	711.1	607.6
65°	23581.7	23478.3	22366.4	15721.1	4486.2	1525.6	827.4	698.1	659.4	646.4	568.9
67.5°	22495.7	22314.7	20802.1	13497.4	3891.5	1486.8	775.7	633.5	607.6	581.8	517.1
70°	20194.4	19729.0	17867.3	10860.0	3309.7	1460.9	762.8	581.8	555.9	530.1	478.4
72.5°	16858.8	16264.1	13949.9	8351.9	2779.6	1370.4	724.0	517.1	504.2	478.4	426.6
75°	12863.9	11765.0	9735.2	6386.7	2159.1	1189.4	620.6	452.5	452.5	439.6	387.9
77.5°	8869.0	8300.1	6787.5	4718.9	1577.3	917.9	504.2	400.8	400.8	413.7	362.0
80°	6270.4	5740.3	4835.3	3387.3	995.5	620.6	387.9	336.1	374.9	400.8	336.1
82.5°	4796.5	4408.6	3594.1	2469.4	581.8	426.6	297.4	271.5	323.2	349.1	284.4
85°	3335.6	2870.1	1822.9	1654.9	336.1	258.6	219.8	219.8	284.4	349.1	258.6
87.5°	943.8	400.8	116.4	491.3	142.2	103.4	77.6	51.7	77.6	77.6	51.7
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°	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0
2.5°	8015.7	7938.1	7938.1	7912.3	7925.2	7938.1	7925.2	8015.7	8054.5	8106.2	8209.6
5°	6154.0	6257.4	6179.9	6257.4	6360.9	6516.0	6554.8	6671.1	6684.1	6774.6	6722.9
7.5°	4563.8	4550.9	4486.2	4576.7	4861.1	5080.9	5184.4	5249.0	5261.9	5261.9	5197.3
10°	3865.6	3749.3	3632.9	3568.3	3594.1	3826.9	3904.4	3943.2	3917.4	3956.1	3904.4
12.5°	3309.7	3206.3	3038.2	2921.9	2844.3	2908.9	2986.5	3025.3	3051.1	3115.8	3167.5
15°	2689.1	2585.7	2482.3	2417.6	2353.0	2301.3	2365.9	2404.7	2469.4	2521.1	2546.9
17.5°	2042.7	1991.0	1939.3	1978.1	1978.1	1952.2	1978.1	1991.0	2016.9	2055.6	2042.7
20°	1654.9	1641.9	1629.0	1693.6	1745.4	1745.4	1771.2	1732.4	1719.5	1680.7	1667.8
22.5°	1473.9	1473.9	1486.8	1538.5	1590.2	1616.1	1616.1	1551.4	1486.8	1460.9	1473.9
25°	1370.4	1370.4	1409.2	1422.1	1448.0	1448.0	1460.9	1396.3	1357.5	1318.7	1331.6
27.5°	1292.9	1292.9	1305.8	1305.8	1318.7	1318.7	1331.6	1305.8	1254.1	1241.1	1241.1
30°	1241.1	1241.1	1228.2	1228.2	1228.2	1228.2	1241.1	1202.4	1176.5	1163.6	1163.6
32.5°	1189.4	1176.5	1163.6	1163.6	1150.6	1150.6	1163.6	1124.8	1111.9	1111.9	1111.9
35°	1034.3	1021.4	1034.3	1060.1	1060.1	1073.1	1073.1	1060.1	1034.3	1008.4	995.5
37.5°	969.6	956.7	956.7	956.7	982.6	995.5	1008.4	982.6	943.8	905.0	905.0
40°	917.9	917.9	905.0	905.0	905.0	930.9	956.7	917.9	866.2	853.3	853.3
42.5°	879.1	866.2	853.3	840.4	827.4	866.2	892.1	840.4	814.5	814.5	814.5
45°	840.4	827.4	814.5	801.6	788.6	801.6	827.4	775.7	762.8	762.8	762.8
47.5°	801.6	788.6	762.8	749.9	736.9	736.9	762.8	724.0	711.1	724.0	724.0
50°	775.7	749.9	724.0	711.1	698.1	698.1	698.1	685.2	685.2	685.2	698.1
52.5°	749.9	724.0	685.2	672.3	659.4	659.4	659.4	659.4	646.4	659.4	672.3
55°	711.1	685.2	659.4	646.4	633.5	620.6	633.5	620.6	620.6	633.5	633.5
57.5°	659.4	633.5	607.6	607.6	594.7	594.7	607.6	594.7	594.7	607.6	607.6
60°	620.6	594.7	568.9	568.9	555.9	568.9	581.8	568.9	568.9	568.9	581.8
62.5°	568.9	555.9	530.1	530.1	530.1	530.1	543.0	530.1	543.0	543.0	543.0
65°	530.1	504.2	491.3	491.3	491.3	491.3	517.1	491.3	504.2	504.2	504.2
67.5°	491.3	465.4	452.5	452.5	452.5	452.5	478.4	452.5	465.4	478.4	465.4
70°	452.5	426.6	413.7	413.7	413.7	413.7	426.6	413.7	413.7	426.6	426.6
72.5°	400.8	387.9	374.9	374.9	362.0	374.9	387.9	374.9	374.9	374.9	374.9
75°	362.0	349.1	349.1	336.1	336.1	336.1	349.1	323.2	323.2	323.2	323.2
77.5°	336.1	310.3	310.3	310.3	297.4	310.3	297.4	271.5	271.5	271.5	271.5
80°	284.4	258.6	271.5	271.5	258.6	258.6	245.6	219.8	219.8	219.8	219.8
82.5°	232.7	206.9	219.8	219.8	219.8	219.8	193.9	181.0	168.1	155.1	155.1
85°	206.9	168.1	193.9	193.9	181.0	181.0	129.3	129.3	103.4	103.4	90.5
87.5°	38.8	25.9	51.7	64.6	64.6	77.6	51.7	64.6	38.8	25.9	25.9
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°	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0
2.5°	8196.7	8338.9	8532.9	8675.1	8894.9	9062.9	9321.5	9541.3	9748.1	9838.6	9929.1
5°	6878.0	6968.5	7265.9	7498.6	7847.6	8222.6	8688.0	9192.2	9709.4	9942.1	10213.6
7.5°	5145.6	5313.6	5481.7	5817.9	6244.5	6852.1	7446.9	8196.7	8920.7	9269.8	9735.2
10°	3994.9	4124.2	4318.1	4667.2	5068.0	5572.2	6283.3	7175.4	8041.6	8494.1	8972.4
12.5°	3206.3	3387.3	3645.9	4007.9	4473.3	4990.4	5507.6	6335.0	7343.4	7860.6	8403.6
15°	2598.6	2740.9	3025.3	3477.8	4020.8	4550.9	5093.9	5779.1	6878.0	7472.7	8119.1
17.5°	2068.6	2172.0	2430.6	2883.1	3426.1	4020.8	4641.4	5507.6	6722.9	7446.9	8209.6
20°	1680.7	1758.3	1926.4	2262.5	2779.6	3426.1	4201.8	5249.0	6813.4	7744.2	8675.1
22.5°	1473.9	1499.7	1577.3	1758.3	2184.9	2870.1	3801.0	5029.2	6981.4	8183.8	9437.9
25°	1331.6	1357.5	1383.4	1499.7	1745.4	2391.8	3451.9	4899.9	7343.4	8830.2	10317.0
27.5°	1241.1	1267.0	1279.9	1331.6	1499.7	2042.7	3154.6	4822.4	7834.7	9774.0	11403.0
30°	1163.6	1163.6	1202.4	1279.9	1396.3	1797.1	2896.0	4641.4	8351.9	10562.6	12256.3
32.5°	1098.9	1111.9	1163.6	1202.4	1279.9	1590.2	2637.4	4408.6	8817.3	11209.1	13096.6
35°	982.6	982.6	995.5	1060.1	1163.6	1422.1	2404.7	4175.9	9075.9	11842.6	13846.5
37.5°	905.0	917.9	943.8	995.5	1086.0	1305.8	2210.8	3917.4	9347.4	12437.3	14725.6
40°	853.3	866.2	892.1	943.8	1034.3	1202.4	2042.7	3710.5	9631.8	13083.7	15669.4
42.5°	814.5	827.4	853.3	905.0	982.6	1176.5	1861.7	3542.4	9799.9	13678.4	16561.5
45°	775.7	788.6	827.4	879.1	943.8	1150.6	1758.3	3426.1	9864.5	14079.2	17272.6
47.5°	736.9	749.9	788.6	866.2	943.8	1111.9	1719.5	3361.4	9916.2	14531.7	17841.4
50°	698.1	724.0	775.7	853.3	956.7	1060.1	1693.6	3348.5	10213.6	15113.5	18384.4
52.5°	672.3	711.1	762.8	853.3	943.8	982.6	1680.7	3387.3	10808.3	15979.7	19160.1
55°	646.4	685.2	736.9	853.3	905.0	917.9	1616.1	3451.9	11713.3	17182.1	20259.1
57.5°	620.6	646.4	711.1	827.4	853.3	866.2	1486.8	3542.4	12618.3	18358.6	21383.8
60°	581.8	607.6	672.3	827.4	775.7	814.5	1318.7	3568.3	13264.7	18733.5	21487.3
62.5°	543.0	568.9	633.5	853.3	711.1	762.8	1176.5	3477.8	13394.0	18190.5	20905.5
65°	504.2	530.1	581.8	711.1	659.4	711.1	1086.0	3232.1	12967.3	16949.3	19845.3
67.5°	465.4	491.3	530.1	581.8	594.7	646.4	1047.2	2844.3	11894.3	15410.8	18397.3
70°	413.7	439.6	478.4	517.1	530.1	607.6	982.6	2469.4	10161.9	13355.2	16626.1
72.5°	374.9	387.9	426.6	452.5	478.4	555.9	943.8	2159.1	7770.1	10808.3	13562.1
75°	323.2	323.2	362.0	387.9	413.7	491.3	866.2	1797.1	5481.7	8248.4	9967.9
77.5°	271.5	271.5	297.4	323.2	349.1	426.6	736.9	1460.9	3801.0	6541.9	7227.1
80°	206.9	206.9	232.7	258.6	284.4	362.0	594.7	1073.1	2353.0	4783.6	5261.9
82.5°	142.2	142.2	181.0	193.9	206.9	284.4	452.5	736.9	1383.4	3451.9	3762.2
85°	77.6	77.6	103.4	116.4	142.2	206.9	336.1	517.1	827.4	2495.2	2508.1
87.5°	12.9	12.9	38.8	38.8	64.6	103.4	193.9	284.4	465.4	1383.4	879.1
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: P598832
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0	9231.0
2.5°	10097.2	10239.4	10252.4	10252.4	10187.7	10200.6	10019.6	9825.7	9761.1	9748.1
5°	10627.3	11002.2	11105.6	11157.4	10989.3	10730.7	10265.3	9761.1	9502.5	9463.7
7.5°	10523.9	11273.7	11674.5	11726.2	11390.1	10782.4	9967.9	9192.2	8894.9	8817.3
10°	9916.2	10924.6	11648.6	11829.6	11467.6	10691.9	9631.8	8726.8	8364.8	8300.1
12.5°	9489.6	10459.2	11170.3	11415.9	11247.9	10575.6	9463.7	8429.4	8067.4	7976.9
15°	9256.9	10148.9	10614.4	10691.9	10679.0	10394.6	9463.7	8494.1	8093.3	7989.9
17.5°	9450.8	10058.4	10123.1	9942.1	10045.5	10187.7	9670.6	8843.1	8455.3	8364.8
20°	9838.6	10019.6	9709.4	9437.9	9489.6	9942.1	9993.8	9502.5	9192.2	9037.1
22.5°	10653.1	10161.9	9450.8	9075.9	9114.6	9748.1	10420.4	10394.6	10123.1	10045.5
25°	11480.6	10562.6	9373.2	8933.6	8985.4	9709.4	10924.6	11390.1	11247.9	11209.1
27.5°	12398.5	11234.9	9424.9	8869.0	8933.6	9761.1	11273.7	12230.4	12256.3	12217.5
30°	13019.1	11558.1	9580.1	8946.6	9037.1	9890.4	11351.3	12734.6	12967.3	12980.3
32.5°	13536.2	11881.3	9903.3	9075.9	9231.0	10123.1	11558.1	13213.0	13730.1	13743.1
35°	13949.9	12243.3	10304.1	9308.6	9541.3	10510.9	11829.6	13665.5	14441.2	14531.7
37.5°	14480.0	12644.1	10769.5	9812.8	10071.4	11066.9	12308.0	14195.6	15281.6	15527.2
40°	15048.8	13044.9	11441.8	10627.3	11002.2	11894.3	12851.0	14790.3	15992.6	16328.8
42.5°	15682.3	13471.6	12204.6	11726.2	12295.1	12941.5	13471.6	15333.3	16535.6	16923.5
45°	16302.9	13988.7	13316.4	13225.9	13859.4	14182.6	14079.2	15721.1	17052.8	17440.6
47.5°	16742.5	14738.6	14661.0	15204.0	15798.7	15630.6	14790.3	16005.6	17479.4	17906.1
50°	17143.3	15669.4	16354.6	17414.8	17776.8	17207.9	15553.1	16393.4	17931.9	18410.3
52.5°	17738.0	16664.9	18100.0	19418.7	19767.8	18862.8	16380.5	17026.9	18630.1	19056.7
55°	18953.3	17789.7	19922.9	21435.6	21500.2	20375.4	17492.3	18100.0	19612.6	20103.9
57.5°	20310.8	19173.1	21370.9	23103.3	23077.5	21888.1	18746.4	19548.0	20944.3	21280.4
60°	21539.0	20569.3	22948.2	24292.8	24228.1	22987.0	20207.3	21189.9	22469.8	22728.4
62.5°	22263.0	21836.3	23646.3	24667.7	24422.1	23349.0	21448.5	22650.8	23555.8	23646.3
65°	22146.6	22560.3	22831.8	23465.3	23116.3	22340.6	22056.1	23581.7	23672.2	23581.7
67.5°	21267.5	22146.6	20595.2	20659.8	20478.8	19819.5	21112.3	23336.1	22715.5	22495.7
70°	19935.8	20000.5	17220.8	16406.3	16690.8	15785.8	18112.9	21422.6	20465.9	20194.4
72.5°	17725.1	16923.5	13019.1	12191.6	12618.3	11971.8	14531.7	18668.8	17738.0	16858.8
75°	14867.8	13406.9	9916.2	8739.7	8959.5	8933.6	11260.8	15423.8	13743.1	12863.9
77.5°	11519.4	10446.3	7317.6	6865.1	6632.4	6684.1	7860.6	11467.6	9967.9	8869.0
80°	8416.5	7304.6	5662.7	5921.3	5792.0	5481.7	5507.6	7679.6	6929.7	6270.4
82.5°	5817.9	5197.3	4589.6	5184.4	4874.1	4395.7	4292.3	5533.4	5197.3	4796.5
85°	3904.4	4279.4	3645.9	3969.1	3439.0	3167.5	4033.7	4628.4	3736.4	3335.6
87.5°	2546.9	3917.4	2624.5	1991.0	1137.7	1525.6	2469.4	3038.2	1745.4	943.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)