

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: P598827

Luminaire Tested: **IFLD-S-SA3D-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: P598827
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3D-830-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (48) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

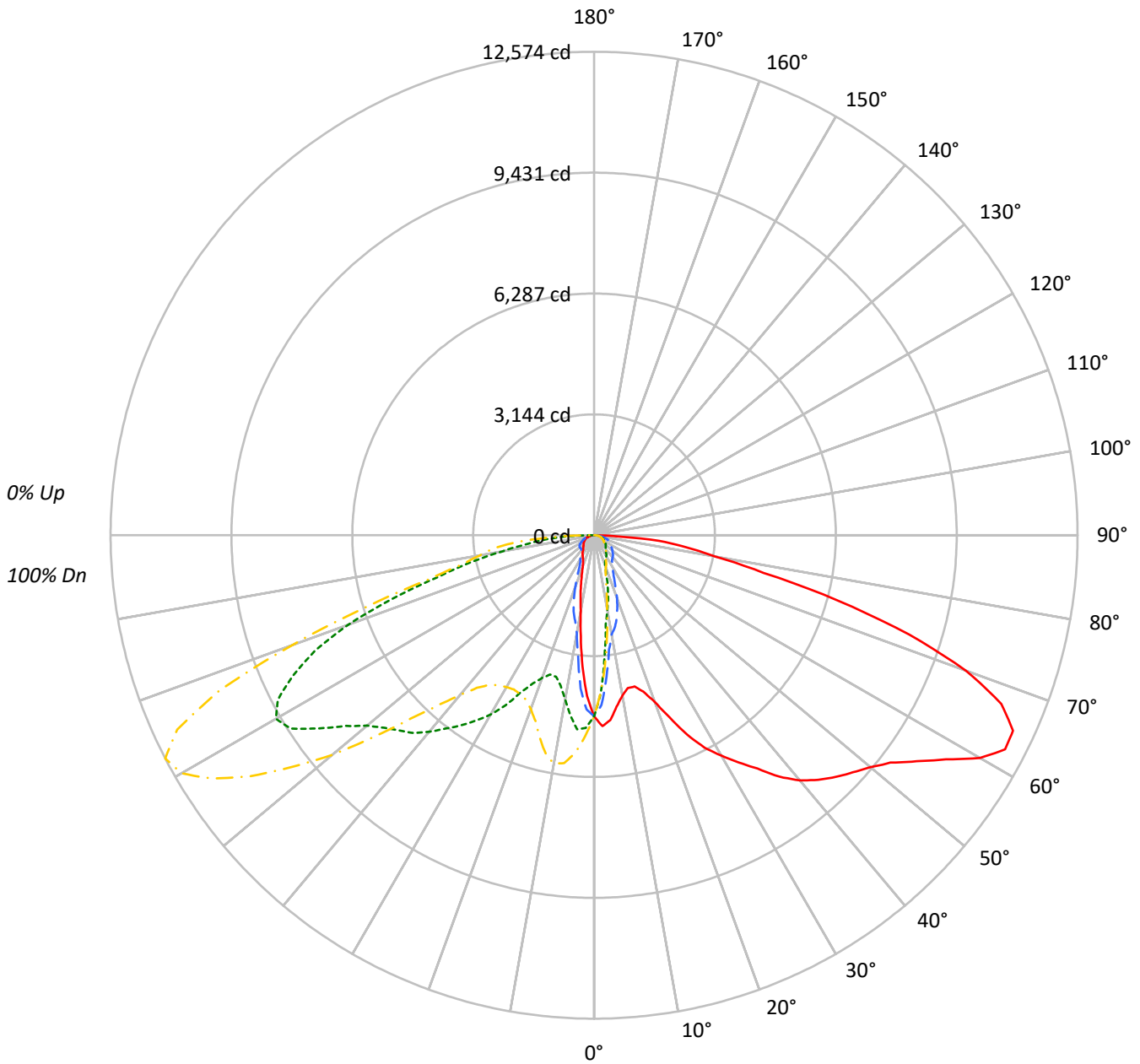
Lumens per Lamp: N/A
 Luminaire Lumens: 15752.5 lumens
 Efficiency: N/A
 Efficacy: 85.6 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 184.1
 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				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°	67534	67534	67534	67534
5°	69501	45194	49372	73013
10°	61661	28717	29005	63101
15°	60516	20368	19290	56599
20°	70358	12884	12985	60293
25°	90483	11063	10749	71281
30°	109654	10485	9829	89231
35°	129784	9237	8892	105767
40°	155945	8766	8150	124953
45°	180447	8695	7891	145669
50°	209540	8828	7946	172016
55°	256425	9070	8080	219158
60°	332562	9079	8514	274107
65°	408223	9176	8728	293410
70°	431966	9681	9127	285674
75°	363623	10231	9138	233157
80°	264180	11984	9257	201540
85°	279987	17356	7591	209460

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.2	2.3
10°-20°	762.2	4.8
20°-30°	1098.4	7.0
30°-40°	1581.2	10.0
40°-50°	2246.0	14.3
50°-60°	3229.1	20.5
60°-70°	3730.6	23.7
70°-80°	2112.4	13.4
80°-90°	628.6	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°	2224.7	14.1
0°-40°	3805.9	24.2
0°-60°	9280.9	58.9
0°-90°	15752.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15752.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4706	4706	4706	4706	4706	
5°	4824	3137	3427	5068	4824	438
15°	4073	1371	1298	3809	4073	1198
25°	5714	699	679	4501	5714	2652
35°	7408	527	508	6037	7408	4701
45°	8890	428	389	7177	8890	6884
55°	10248	362	323	8759	10248	9281
65°	12021	270	257	8640	12021	11527
75°	6558	184	165	4205	6558	6958
85°	1700	105	46	1272	1700	1693
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°	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6
2.5°	4969.2	4962.6	4923.0	4797.8	4666.0	4540.8	4422.2	4297.0	4231.1	4152.0	4119.0
5°	4824.2	4811.0	4699.0	4422.2	4178.3	3914.7	3690.6	3512.7	3367.7	3222.7	3170.0
7.5°	4494.7	4474.9	4343.1	3960.8	3605.0	3262.3	2992.1	2761.4	2570.3	2484.6	2385.7
10°	4231.1	4198.1	4026.7	3605.0	3143.6	2800.9	2623.0	2464.8	2300.1	2161.7	2016.7
12.5°	4066.3	4026.7	3848.8	3354.5	2906.4	2649.3	2464.8	2286.9	2082.6	1911.2	1753.1
15°	4072.9	4026.7	3809.3	3288.6	2847.1	2517.5	2260.5	2016.7	1779.4	1588.3	1410.4
17.5°	4264.0	4204.7	3974.0	3380.9	2800.9	2346.2	2003.5	1687.1	1416.9	1212.6	1067.6
20°	4606.7	4567.2	4303.5	3519.3	2754.8	2161.7	1739.9	1357.6	1074.2	916.1	856.8
22.5°	5120.8	5074.6	4791.2	3730.2	2741.6	1996.9	1456.5	1067.6	863.3	797.4	764.5
25°	5713.9	5628.2	5364.6	4086.1	2768.0	1845.3	1225.8	883.1	771.1	724.9	705.2
27.5°	6227.9	6175.2	5878.7	4422.2	2781.2	1726.7	1067.6	804.0	718.4	678.8	665.6
30°	6616.8	6597.0	6307.0	4791.2	2748.2	1581.7	968.8	771.1	718.4	678.8	639.3
32.5°	7005.6	7012.2	6702.5	5074.6	2702.1	1456.5	876.5	685.4	632.7	606.3	612.9
35°	7407.6	7440.6	7177.0	5351.4	2603.2	1410.4	810.6	639.3	593.1	553.6	533.8
37.5°	7915.1	8000.8	7743.7	5661.2	2504.4	1370.8	777.7	606.3	560.2	527.2	500.9
40°	8323.7	8481.9	8330.3	5951.2	2438.5	1324.7	751.3	573.4	540.4	500.9	481.1
42.5°	8626.9	8811.4	8758.7	6175.2	2438.5	1278.5	724.9	553.6	527.2	481.1	454.7
45°	8890.5	9081.6	9075.0	6405.9	2491.2	1252.2	692.0	553.6	514.1	467.9	441.6
47.5°	9127.7	9318.9	9384.8	6695.9	2576.9	1239.0	652.5	540.4	514.1	461.3	421.8
50°	9384.8	9595.7	9793.4	7157.2	2682.3	1206.0	626.1	520.6	520.6	454.7	408.6
52.5°	9714.3	9951.5	10314.0	7730.6	2787.7	1146.7	586.5	507.5	520.6	448.1	395.4
55°	10248.1	10445.8	10920.3	8416.0	2919.6	1074.2	553.6	474.5	494.3	428.4	375.7
57.5°	10847.8	11019.2	11414.6	8943.2	2959.1	982.0	507.5	441.6	474.5	408.6	349.3
60°	11586.0	11671.6	11671.6	9094.8	2827.3	896.3	474.5	415.2	428.4	388.8	329.5
62.5°	12053.9	12053.9	11671.6	8818.0	2576.9	823.8	448.1	388.8	375.7	362.5	309.7
65°	12020.9	11968.2	11401.4	8014.0	2286.9	777.7	421.8	355.9	336.1	329.5	290.0
67.5°	11467.3	11375.1	10604.0	6880.4	1983.7	757.9	395.4	322.9	309.7	296.6	263.6
70°	10294.2	10057.0	9108.0	5536.0	1687.1	744.7	388.8	296.6	283.4	270.2	243.8
72.5°	8593.9	8290.7	7111.1	4257.4	1416.9	698.6	369.1	263.6	257.0	243.8	217.5
75°	6557.5	5997.3	4962.6	3255.7	1100.6	606.3	316.3	230.7	230.7	224.1	197.7
77.5°	4521.0	4231.1	3460.0	2405.5	804.0	467.9	257.0	204.3	204.3	210.9	184.5
80°	3196.4	2926.1	2464.8	1726.7	507.5	316.3	197.7	171.4	191.1	204.3	171.4
82.5°	2445.0	2247.3	1832.1	1258.8	296.6	217.5	151.6	138.4	164.8	177.9	145.0
85°	1700.3	1463.1	929.2	843.6	171.4	131.8	112.0	112.0	145.0	177.9	131.8
87.5°	481.1	204.3	59.3	250.4	72.5	52.7	39.5	26.4	39.5	39.5	26.4
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°	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6
2.5°	4086.1	4046.5	4046.5	4033.3	4039.9	4046.5	4039.9	4086.1	4105.8	4132.2	4184.9
5°	3137.0	3189.8	3150.2	3189.8	3242.5	3321.6	3341.3	3400.7	3407.2	3453.4	3427.0
7.5°	2326.4	2319.8	2286.9	2333.0	2478.0	2590.0	2642.8	2675.7	2682.3	2682.3	2649.3
10°	1970.5	1911.2	1851.9	1819.0	1832.1	1950.8	1990.3	2010.1	1996.9	2016.7	1990.3
12.5°	1687.1	1634.4	1548.7	1489.4	1449.9	1482.8	1522.4	1542.2	1555.3	1588.3	1614.7
15°	1370.8	1318.1	1265.4	1232.4	1199.5	1173.1	1206.0	1225.8	1258.8	1285.1	1298.3
17.5°	1041.3	1014.9	988.6	1008.3	1008.3	995.2	1008.3	1014.9	1028.1	1047.9	1041.3
20°	843.6	837.0	830.4	863.3	889.7	889.7	902.9	883.1	876.5	856.8	850.2
22.5°	751.3	751.3	757.9	784.3	810.6	823.8	823.8	790.9	757.9	744.7	751.3
25°	698.6	698.6	718.4	724.9	738.1	738.1	744.7	711.8	692.0	672.2	678.8
27.5°	659.0	659.0	665.6	665.6	672.2	672.2	678.8	665.6	639.3	632.7	632.7
30°	632.7	632.7	626.1	626.1	626.1	626.1	632.7	612.9	599.7	593.1	593.1
32.5°	606.3	599.7	593.1	593.1	586.5	586.5	593.1	573.4	566.8	566.8	566.8
35°	527.2	520.6	527.2	540.4	540.4	547.0	547.0	540.4	527.2	514.1	507.5
37.5°	494.3	487.7	487.7	487.7	500.9	507.5	514.1	500.9	481.1	461.3	461.3
40°	467.9	467.9	461.3	461.3	461.3	474.5	487.7	467.9	441.6	435.0	435.0
42.5°	448.1	441.6	435.0	428.4	421.8	441.6	454.7	428.4	415.2	415.2	415.2
45°	428.4	421.8	415.2	408.6	402.0	408.6	421.8	395.4	388.8	388.8	388.8
47.5°	408.6	402.0	388.8	382.2	375.7	375.7	388.8	369.1	362.5	369.1	369.1
50°	395.4	382.2	369.1	362.5	355.9	355.9	355.9	349.3	349.3	349.3	355.9
52.5°	382.2	369.1	349.3	342.7	336.1	336.1	336.1	336.1	329.5	336.1	342.7
55°	362.5	349.3	336.1	329.5	322.9	316.3	322.9	316.3	316.3	322.9	322.9
57.5°	336.1	322.9	309.7	309.7	303.2	303.2	309.7	303.2	303.2	309.7	309.7
60°	316.3	303.2	290.0	290.0	283.4	290.0	296.6	290.0	290.0	290.0	296.6
62.5°	290.0	283.4	270.2	270.2	270.2	270.2	276.8	270.2	276.8	276.8	276.8
65°	270.2	257.0	250.4	250.4	250.4	250.4	263.6	250.4	257.0	257.0	257.0
67.5°	250.4	237.3	230.7	230.7	230.7	230.7	243.8	230.7	237.3	243.8	237.3
70°	230.7	217.5	210.9	210.9	210.9	210.9	217.5	210.9	210.9	217.5	217.5
72.5°	204.3	197.7	191.1	191.1	184.5	191.1	197.7	191.1	191.1	191.1	191.1
75°	184.5	177.9	177.9	171.4	171.4	171.4	177.9	164.8	164.8	164.8	164.8
77.5°	171.4	158.2	158.2	158.2	151.6	158.2	151.6	138.4	138.4	138.4	138.4
80°	145.0	131.8	138.4	138.4	131.8	131.8	125.2	112.0	112.0	112.0	112.0
82.5°	118.6	105.4	112.0	112.0	112.0	112.0	98.9	92.3	85.7	79.1	79.1
85°	105.4	85.7	98.9	98.9	92.3	92.3	65.9	65.9	52.7	52.7	46.1
87.5°	19.8	13.2	26.4	33.0	33.0	39.5	26.4	33.0	19.8	13.2	13.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6
2.5°	4178.3	4250.8	4349.7	4422.2	4534.2	4619.9	4751.7	4863.7	4969.2	5015.3	5061.4
5°	3506.1	3552.2	3703.8	3822.4	4000.4	4191.5	4428.8	4685.8	4949.4	5068.0	5206.4
7.5°	2623.0	2708.7	2794.3	2965.7	3183.2	3492.9	3796.1	4178.3	4547.4	4725.3	4962.6
10°	2036.4	2102.3	2201.2	2379.1	2583.4	2840.5	3202.9	3657.7	4099.2	4329.9	4573.8
12.5°	1634.4	1726.7	1858.5	2043.0	2280.3	2543.9	2807.5	3229.3	3743.4	4007.0	4283.8
15°	1324.7	1397.2	1542.2	1772.8	2049.6	2319.8	2596.6	2945.9	3506.1	3809.3	4138.8
17.5°	1054.5	1107.2	1239.0	1469.7	1746.5	2049.6	2366.0	2807.5	3427.0	3796.1	4184.9
20°	856.8	896.3	982.0	1153.3	1416.9	1746.5	2141.9	2675.7	3473.2	3947.7	4422.2
22.5°	751.3	764.5	804.0	896.3	1113.8	1463.1	1937.6	2563.7	3558.8	4171.7	4811.0
25°	678.8	692.0	705.2	764.5	889.7	1219.2	1759.6	2497.8	3743.4	4501.3	5259.2
27.5°	632.7	645.9	652.5	678.8	764.5	1041.3	1608.1	2458.2	3993.8	4982.4	5812.8
30°	593.1	593.1	612.9	652.5	711.8	916.1	1476.3	2366.0	4257.4	5384.4	6247.7
32.5°	560.2	566.8	593.1	612.9	652.5	810.6	1344.4	2247.3	4494.7	5713.9	6676.1
35°	500.9	500.9	507.5	540.4	593.1	724.9	1225.8	2128.7	4626.5	6036.8	7058.3
37.5°	461.3	467.9	481.1	507.5	553.6	665.6	1127.0	1996.9	4764.9	6340.0	7506.5
40°	435.0	441.6	454.7	481.1	527.2	612.9	1041.3	1891.5	4909.9	6669.5	7987.6
42.5°	415.2	421.8	435.0	461.3	500.9	599.7	949.0	1805.8	4995.5	6972.7	8442.3
45°	395.4	402.0	421.8	448.1	481.1	586.5	896.3	1746.5	5028.5	7177.0	8804.8
47.5°	375.7	382.2	402.0	441.6	481.1	566.8	876.5	1713.5	5054.9	7407.6	9094.8
50°	355.9	369.1	395.4	435.0	487.7	540.4	863.3	1706.9	5206.4	7704.2	9371.6
52.5°	342.7	362.5	388.8	435.0	481.1	500.9	856.8	1726.7	5509.6	8145.8	9767.0
55°	329.5	349.3	375.7	435.0	461.3	467.9	823.8	1759.6	5970.9	8758.7	10327.2
57.5°	316.3	329.5	362.5	421.8	435.0	441.6	757.9	1805.8	6432.3	9358.4	10900.6
60°	296.6	309.7	342.7	421.8	395.4	415.2	672.2	1819.0	6761.8	9549.5	10953.3
62.5°	276.8	290.0	322.9	435.0	362.5	388.8	599.7	1772.8	6827.7	9272.7	10656.7
65°	257.0	270.2	296.6	362.5	336.1	362.5	553.6	1647.6	6610.2	8640.0	10116.3
67.5°	237.3	250.4	270.2	296.6	303.2	329.5	533.8	1449.9	6063.2	7855.8	9378.2
70°	210.9	224.1	243.8	263.6	270.2	309.7	500.9	1258.8	5180.1	6807.9	8475.3
72.5°	191.1	197.7	217.5	230.7	243.8	283.4	481.1	1100.6	3960.8	5509.6	6913.4
75°	164.8	164.8	184.5	197.7	210.9	250.4	441.6	916.1	2794.3	4204.7	5081.2
77.5°	138.4	138.4	151.6	164.8	177.9	217.5	375.7	744.7	1937.6	3334.8	3684.0
80°	105.4	105.4	118.6	131.8	145.0	184.5	303.2	547.0	1199.5	2438.5	2682.3
82.5°	72.5	72.5	92.3	98.9	105.4	145.0	230.7	375.7	705.2	1759.6	1917.8
85°	39.5	39.5	52.7	59.3	72.5	105.4	171.4	263.6	421.8	1272.0	1278.5
87.5°	6.6	6.6	19.8	19.8	33.0	52.7	98.9	145.0	237.3	705.2	448.1
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: P598827
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6	4705.6
2.5°	5147.1	5219.6	5226.2	5226.2	5193.3	5199.8	5107.6	5008.7	4975.8	4969.2
5°	5417.3	5608.4	5661.2	5687.5	5601.9	5470.0	5232.8	4975.8	4844.0	4824.2
7.5°	5364.6	5746.8	5951.2	5977.5	5806.2	5496.4	5081.2	4685.8	4534.2	4494.7
10°	5054.9	5568.9	5938.0	6030.2	5845.7	5450.3	4909.9	4448.5	4264.0	4231.1
12.5°	4837.4	5331.7	5694.1	5819.3	5733.7	5391.0	4824.2	4297.0	4112.4	4066.3
15°	4718.7	5173.5	5410.7	5450.3	5443.7	5298.7	4824.2	4329.9	4125.6	4072.9
17.5°	4817.6	5127.3	5160.3	5068.0	5120.8	5193.3	4929.6	4507.8	4310.1	4264.0
20°	5015.3	5107.6	4949.4	4811.0	4837.4	5068.0	5094.4	4844.0	4685.8	4606.7
22.5°	5430.5	5180.1	4817.6	4626.5	4646.2	4969.2	5311.9	5298.7	5160.3	5120.8
25°	5852.3	5384.4	4778.1	4554.0	4580.3	4949.4	5568.9	5806.2	5733.7	5713.9
27.5°	6320.2	5727.1	4804.4	4521.0	4554.0	4975.8	5746.8	6234.5	6247.7	6227.9
30°	6636.6	5891.8	4883.5	4560.6	4606.7	5041.7	5786.4	6491.6	6610.2	6616.8
32.5°	6900.2	6056.6	5048.3	4626.5	4705.6	5160.3	5891.8	6735.4	6999.0	7005.6
35°	7111.1	6241.1	5252.6	4745.1	4863.7	5358.0	6030.2	6966.1	7361.5	7407.6
37.5°	7381.3	6445.4	5489.8	5002.1	5133.9	5641.4	6274.1	7236.3	7789.9	7915.1
40°	7671.2	6649.7	5832.5	5417.3	5608.4	6063.2	6550.9	7539.4	8152.4	8323.7
42.5°	7994.2	6867.2	6221.4	5977.5	6267.5	6597.0	6867.2	7816.2	8429.1	8626.9
45°	8310.5	7130.8	6788.1	6742.0	7064.9	7229.7	7177.0	8014.0	8692.8	8890.5
47.5°	8534.6	7513.1	7473.5	7750.3	8053.5	7967.8	7539.4	8158.9	8910.2	9127.7
50°	8738.9	7987.6	8336.9	8877.3	9061.8	8771.9	7928.3	8356.7	9140.9	9384.8
52.5°	9042.1	8495.1	9226.6	9898.8	10076.8	9615.4	8350.1	8679.6	9496.8	9714.3
55°	9661.6	9068.4	10155.8	10926.9	10959.9	10386.5	8916.8	9226.6	9997.7	10248.1
57.5°	10353.6	9773.6	10894.0	11777.1	11763.9	11157.6	9556.1	9964.7	10676.5	10847.8
60°	10979.6	10485.4	11698.0	12383.4	12350.4	11717.8	10300.8	10801.7	11454.2	11586.0
62.5°	11348.7	11131.2	12053.9	12574.5	12449.3	11902.3	10933.5	11546.4	12007.7	12053.9
65°	11289.4	11500.3	11638.7	11961.6	11783.7	11388.2	11243.3	12020.9	12067.1	12020.9
67.5°	10841.2	11289.4	10498.5	10531.5	10439.2	10103.1	10762.2	11895.7	11579.4	11467.3
70°	10162.4	10195.4	8778.4	8363.2	8508.2	8046.9	9233.2	10920.3	10432.6	10294.2
72.5°	9035.5	8626.9	6636.6	6214.8	6432.3	6102.7	7407.6	9516.6	9042.1	8593.9
75°	7579.0	6834.3	5054.9	4455.1	4567.2	4554.0	5740.3	7862.4	7005.6	6557.5
77.5°	5872.1	5325.1	3730.2	3499.5	3380.9	3407.2	4007.0	5845.7	5081.2	4521.0
80°	4290.4	3723.6	2886.6	3018.4	2952.5	2794.3	2807.5	3914.7	3532.5	3196.4
82.5°	2965.7	2649.3	2339.6	2642.8	2484.6	2240.7	2188.0	2820.7	2649.3	2445.0
85°	1990.3	2181.4	1858.5	2023.3	1753.1	1614.7	2056.2	2359.4	1904.6	1700.3
87.5°	1298.3	1996.9	1337.9	1014.9	580.0	777.7	1258.8	1548.7	889.7	481.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)