

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: P598847

Luminaire Tested: **IFLD-L-SA8D-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: P598847
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8D-830-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (128) 3000K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

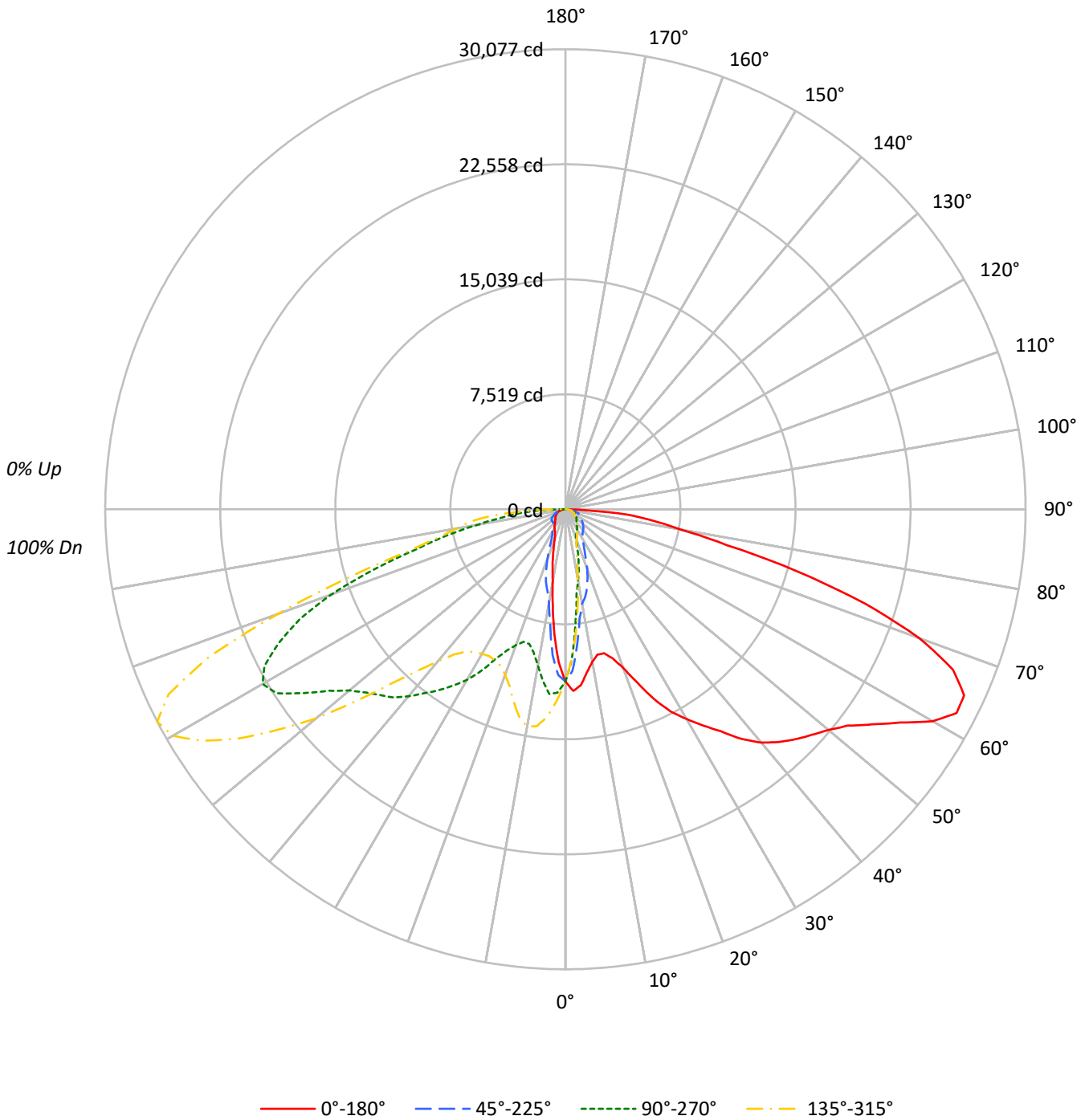
Lumens per Lamp: N/A
 Luminaire Lumens: 37678.1 lumens
 Efficiency: N/A
 Efficacy: 77.2 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 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



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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°	60575	60575	60575	60575
5°	62339	40537	44284	65490
10°	55307	25758	26017	56599
15°	54280	18269	17303	50766
20°	63108	11556	11647	54079
25°	81159	9922	9641	63935
30°	98355	9404	8817	80036
35°	116411	8286	7975	94869
40°	139876	7863	7309	112078
45°	161853	7798	7078	130658
50°	187947	7919	7127	154291
55°	230003	8135	7248	196574
60°	298293	8144	7636	245862
65°	366160	8230	7829	263177
70°	387456	8681	8186	256237
75°	326152	9179	8195	209130
80°	236954	10749	8306	180769
85°	251141	15574	6811	187871

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	871.1	2.3
10°-20°	1823.0	4.8
20°-30°	2627.1	7.0
30°-40°	3782.0	10.0
40°-50°	5372.1	14.3
50°-60°	7723.5	20.5
60°-70°	8923.2	23.7
70°-80°	5052.5	13.4
80°-90°	1503.7	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°	5321.2	14.1
0°-40°	9103.2	24.2
0°-60°	22198.8	58.9
0°-90°	37678.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37678.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11255	11255	11255	11255	11255	
5°	11539	7503	8197	12122	11539	1047
15°	9742	3279	3105	9111	9742	2865
25°	13667	1671	1624	10766	13667	6344
35°	17718	1261	1214	14439	17718	11245
45°	21265	1025	930	17166	21265	16466
55°	24512	867	772	20950	24512	22200
65°	28753	646	615	20666	28753	27572
75°	15685	441	394	10057	15685	16642
85°	4067	252	110	3042	4067	4050
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°	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2
2.5°	11885.7	11869.9	11775.3	11475.8	11160.6	10861.1	10577.3	10277.8	10120.2	9931.0	9852.2
5°	11538.9	11507.4	11239.4	10577.3	9994.1	9363.5	8827.6	8402.0	8055.2	7708.4	7582.3
7.5°	10750.7	10703.4	10388.2	9473.9	8622.6	7802.9	7156.6	6604.9	6147.8	5942.8	5706.4
10°	10120.2	10041.4	9631.5	8622.6	7519.2	6699.5	6273.9	5895.6	5501.5	5170.4	4823.6
12.5°	9726.1	9631.5	9205.9	8023.6	6951.7	6336.9	5895.6	5469.9	4981.3	4571.4	4193.1
15°	9741.9	9631.5	9111.3	7866.0	6809.8	6021.7	5406.9	4823.6	4256.1	3799.0	3373.4
17.5°	10199.0	10057.1	9505.4	8086.7	6699.5	5611.8	4792.1	4035.5	3389.2	2900.5	2553.7
20°	11018.7	10924.1	10293.6	8417.7	6589.2	5170.4	4161.6	3247.3	2569.5	2191.1	2049.3
22.5°	12248.3	12137.9	11460.1	8922.2	6557.6	4776.3	3483.7	2553.7	2065.0	1907.4	1828.6
25°	13667.0	13462.0	12831.5	9773.4	6620.7	4413.8	2932.0	2112.3	1844.3	1734.0	1686.7
27.5°	14896.5	14770.4	14061.1	10577.3	6652.2	4130.0	2553.7	1923.1	1718.2	1623.6	1592.1
30°	15826.6	15779.3	15085.7	11460.1	6573.4	3783.2	2317.2	1844.3	1718.2	1623.6	1529.1
32.5°	16756.6	16772.4	16031.5	12137.9	6463.0	3483.7	2096.5	1639.4	1513.3	1450.2	1466.0
35°	17718.2	17797.0	17166.5	12800.0	6226.6	3373.4	1938.9	1529.1	1418.7	1324.1	1276.8
37.5°	18932.0	19136.9	18522.1	13540.9	5990.1	3278.8	1860.1	1450.2	1339.9	1261.1	1198.0
40°	19909.3	20287.6	19925.1	14234.5	5832.5	3168.5	1797.0	1371.4	1292.6	1198.0	1150.7
42.5°	20634.4	21075.8	20949.7	14770.4	5832.5	3058.1	1734.0	1324.1	1261.1	1150.7	1087.7
45°	21265.0	21722.1	21706.4	15322.1	5958.6	2995.1	1655.2	1324.1	1229.6	1119.2	1056.2
47.5°	21832.5	22289.6	22447.2	16015.7	6163.5	2963.5	1560.6	1292.6	1229.6	1103.4	1008.9
50°	22447.2	22951.7	23424.6	17119.2	6415.8	2884.7	1497.5	1245.3	1245.3	1087.7	977.3
52.5°	23235.4	23802.9	24669.9	18490.6	6668.0	2742.9	1403.0	1213.8	1245.3	1071.9	945.8
55°	24512.3	24985.2	26120.1	20130.0	6983.2	2569.5	1324.1	1135.0	1182.3	1024.6	898.5
57.5°	25946.8	26356.6	27302.4	21391.1	7077.8	2348.8	1213.8	1056.2	1135.0	977.3	835.5
60°	27712.3	27917.2	27917.2	21753.7	6762.5	2143.8	1135.0	993.1	1024.6	930.0	788.2
62.5°	28831.5	28831.5	27917.2	21091.6	6163.5	1970.4	1071.9	930.0	898.5	867.0	740.9
65°	28752.7	28626.5	27270.9	19168.4	5469.9	1860.1	1008.9	851.2	803.9	788.2	693.6
67.5°	27428.5	27207.8	25363.5	16457.1	4744.8	1812.8	945.8	772.4	740.9	709.4	630.5
70°	24622.6	24055.1	21785.2	13241.4	4035.5	1781.3	930.0	709.4	677.8	646.3	583.3
72.5°	20555.6	19830.5	17008.8	10183.2	3389.2	1670.9	882.8	630.5	614.8	583.3	520.2
75°	15684.7	14344.8	11869.9	7787.2	2632.5	1450.2	756.6	551.7	551.7	536.0	472.9
77.5°	10813.8	10120.2	8275.8	5753.7	1923.1	1119.2	614.8	488.7	488.7	504.4	441.4
80°	7645.3	6999.0	5895.6	4130.0	1213.8	756.6	472.9	409.9	457.1	488.7	409.9
82.5°	5848.3	5375.4	4382.3	3010.8	709.4	520.2	362.6	331.0	394.1	425.6	346.8
85°	4067.0	3499.5	2222.7	2017.7	409.9	315.3	268.0	268.0	346.8	425.6	315.3
87.5°	1150.7	488.7	141.9	599.0	173.4	126.1	94.6	63.1	94.6	94.6	63.1
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°	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2
2.5°	9773.4	9678.8	9678.8	9647.3	9663.0	9678.8	9663.0	9773.4	9820.7	9883.7	10009.8
5°	7503.4	7629.5	7535.0	7629.5	7755.7	7944.8	7992.1	8134.0	8149.7	8260.1	8197.0
7.5°	5564.5	5548.8	5469.9	5580.3	5927.1	6195.1	6321.2	6400.0	6415.8	6415.8	6336.9
10°	4713.3	4571.4	4429.5	4350.7	4382.3	4666.0	4760.6	4807.9	4776.3	4823.6	4760.6
12.5°	4035.5	3909.4	3704.4	3562.6	3468.0	3546.8	3641.4	3688.7	3720.2	3799.0	3862.1
15°	3278.8	3152.7	3026.6	2947.8	2869.0	2805.9	2884.7	2932.0	3010.8	3073.9	3105.4
17.5°	2490.6	2427.6	2364.5	2411.8	2411.8	2380.3	2411.8	2427.6	2459.1	2506.4	2490.6
20°	2017.7	2002.0	1986.2	2065.0	2128.1	2128.1	2159.6	2112.3	2096.5	2049.3	2033.5
22.5°	1797.0	1797.0	1812.8	1875.9	1938.9	1970.4	1970.4	1891.6	1812.8	1781.3	1797.0
25°	1670.9	1670.9	1718.2	1734.0	1765.5	1765.5	1781.3	1702.5	1655.2	1607.9	1623.6
27.5°	1576.4	1576.4	1592.1	1592.1	1607.9	1607.9	1623.6	1592.1	1529.1	1513.3	1513.3
30°	1513.3	1513.3	1497.5	1497.5	1497.5	1497.5	1513.3	1466.0	1434.5	1418.7	1418.7
32.5°	1450.2	1434.5	1418.7	1418.7	1403.0	1403.0	1418.7	1371.4	1355.7	1355.7	1355.7
35°	1261.1	1245.3	1261.1	1292.6	1292.6	1308.4	1308.4	1292.6	1261.1	1229.6	1213.8
37.5°	1182.3	1166.5	1166.5	1166.5	1198.0	1213.8	1229.6	1198.0	1150.7	1103.4	1103.4
40°	1119.2	1119.2	1103.4	1103.4	1103.4	1135.0	1166.5	1119.2	1056.2	1040.4	1040.4
42.5°	1071.9	1056.2	1040.4	1024.6	1008.9	1056.2	1087.7	1024.6	993.1	993.1	993.1
45°	1024.6	1008.9	993.1	977.3	961.6	977.3	1008.9	945.8	930.0	930.0	930.0
47.5°	977.3	961.6	930.0	914.3	898.5	898.5	930.0	882.8	867.0	882.8	882.8
50°	945.8	914.3	882.8	867.0	851.2	851.2	851.2	835.5	835.5	835.5	851.2
52.5°	914.3	882.8	835.5	819.7	803.9	803.9	803.9	803.9	788.2	803.9	819.7
55°	867.0	835.5	803.9	788.2	772.4	756.6	772.4	756.6	756.6	772.4	772.4
57.5°	803.9	772.4	740.9	740.9	725.1	725.1	740.9	725.1	725.1	740.9	740.9
60°	756.6	725.1	693.6	693.6	677.8	693.6	709.4	693.6	693.6	693.6	709.4
62.5°	693.6	677.8	646.3	646.3	646.3	646.3	662.1	646.3	662.1	662.1	662.1
65°	646.3	614.8	599.0	599.0	599.0	599.0	630.5	599.0	614.8	614.8	614.8
67.5°	599.0	567.5	551.7	551.7	551.7	551.7	583.3	551.7	567.5	583.3	567.5
70°	551.7	520.2	504.4	504.4	504.4	504.4	520.2	504.4	504.4	520.2	520.2
72.5°	488.7	472.9	457.1	457.1	441.4	457.1	472.9	457.1	457.1	457.1	457.1
75°	441.4	425.6	425.6	409.9	409.9	409.9	425.6	394.1	394.1	394.1	394.1
77.5°	409.9	378.3	378.3	378.3	362.6	378.3	362.6	331.0	331.0	331.0	331.0
80°	346.8	315.3	331.0	331.0	315.3	315.3	299.5	268.0	268.0	268.0	268.0
82.5°	283.7	252.2	268.0	268.0	268.0	268.0	236.5	220.7	204.9	189.2	189.2
85°	252.2	204.9	236.5	236.5	220.7	220.7	157.6	157.6	126.1	126.1	110.3
87.5°	47.3	31.5	63.1	78.8	78.8	94.6	63.1	78.8	47.3	31.5	31.5
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°	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2
2.5°	9994.1	10167.5	10403.9	10577.3	10845.3	11050.2	11365.5	11633.5	11885.7	11996.0	12106.4
5°	8386.2	8496.5	8859.1	9142.8	9568.5	10025.6	10593.1	11207.9	11838.4	12122.1	12453.2
7.5°	6273.9	6478.8	6683.7	7093.6	7613.8	8354.7	9079.8	9994.1	10876.8	11302.4	11869.9
10°	4870.9	5028.6	5265.0	5690.6	6179.3	6794.1	7661.1	8748.8	9804.9	10356.6	10939.9
12.5°	3909.4	4130.0	4445.3	4886.7	5454.2	6084.7	6715.3	7724.1	8953.7	9584.2	10246.3
15°	3168.5	3341.9	3688.7	4240.4	4902.5	5548.8	6210.8	7046.3	8386.2	9111.3	9899.5
17.5°	2522.2	2648.3	2963.5	3515.3	4177.3	4902.5	5659.1	6715.3	8197.0	9079.8	10009.8
20°	2049.3	2143.8	2348.8	2758.6	3389.2	4177.3	5123.1	6400.0	8307.4	9442.3	10577.3
22.5°	1797.0	1828.6	1923.1	2143.8	2664.0	3499.5	4634.5	6132.0	8512.3	9978.3	11507.4
25°	1623.6	1655.2	1686.7	1828.6	2128.1	2916.3	4208.9	5974.4	8953.7	10766.5	12579.3
27.5°	1513.3	1544.8	1560.6	1623.6	1828.6	2490.6	3846.3	5879.8	9552.7	11917.2	13903.4
30°	1418.7	1418.7	1466.0	1560.6	1702.5	2191.1	3531.0	5659.1	10183.2	12878.8	14943.8
32.5°	1339.9	1355.7	1418.7	1466.0	1560.6	1938.9	3215.8	5375.4	10750.7	13667.0	15968.4
35°	1198.0	1198.0	1213.8	1292.6	1418.7	1734.0	2932.0	5091.6	11066.0	14439.4	16882.7
37.5°	1103.4	1119.2	1150.7	1213.8	1324.1	1592.1	2695.6	4776.3	11397.0	15164.5	17954.6
40°	1040.4	1056.2	1087.7	1150.7	1261.1	1466.0	2490.6	4524.1	11743.8	15952.7	19105.4
42.5°	993.1	1008.9	1040.4	1103.4	1198.0	1434.5	2269.9	4319.2	11948.7	16677.8	20193.1
45°	945.8	961.6	1008.9	1071.9	1150.7	1403.0	2143.8	4177.3	12027.6	17166.5	21060.1
47.5°	898.5	914.3	961.6	1056.2	1150.7	1355.7	2096.5	4098.5	12090.6	17718.2	21753.7
50°	851.2	882.8	945.8	1040.4	1166.5	1292.6	2065.0	4082.8	12453.2	18427.6	22415.7
52.5°	819.7	867.0	930.0	1040.4	1150.7	1198.0	2049.3	4130.0	13178.3	19483.7	23361.5
55°	788.2	835.5	898.5	1040.4	1103.4	1119.2	1970.4	4208.9	14281.7	20949.7	24701.4
57.5°	756.6	788.2	867.0	1008.9	1040.4	1056.2	1812.8	4319.2	15385.2	22384.2	26072.9
60°	709.4	740.9	819.7	1008.9	945.8	993.1	1607.9	4350.7	16173.4	22841.3	26199.0
62.5°	662.1	693.6	772.4	1040.4	867.0	930.0	1434.5	4240.4	16331.0	22179.3	25489.6
65°	614.8	646.3	709.4	867.0	803.9	867.0	1324.1	3940.9	15810.8	20666.0	24197.0
67.5°	567.5	599.0	646.3	709.4	725.1	788.2	1276.8	3468.0	14502.4	18790.1	22431.5
70°	504.4	536.0	583.3	630.5	646.3	740.9	1198.0	3010.8	12390.1	16283.7	20271.9
72.5°	457.1	472.9	520.2	551.7	583.3	677.8	1150.7	2632.5	9473.9	13178.3	16535.9
75°	394.1	394.1	441.4	472.9	504.4	599.0	1056.2	2191.1	6683.7	10057.1	12153.7
77.5°	331.0	331.0	362.6	394.1	425.6	520.2	898.5	1781.3	4634.5	7976.3	8811.8
80°	252.2	252.2	283.7	315.3	346.8	441.4	725.1	1308.4	2869.0	5832.5	6415.8
82.5°	173.4	173.4	220.7	236.5	252.2	346.8	551.7	898.5	1686.7	4208.9	4587.2
85°	94.6	94.6	126.1	141.9	173.4	252.2	409.9	630.5	1008.9	3042.4	3058.1
87.5°	15.8	15.8	47.3	47.3	78.8	126.1	236.5	346.8	567.5	1686.7	1071.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2	11255.2
2.5°	12311.3	12484.7	12500.5	12500.5	12421.7	12437.4	12216.7	11980.3	11901.5	11885.7
5°	12957.6	13414.8	13540.9	13603.9	13399.0	13083.7	12516.2	11901.5	11586.2	11538.9
7.5°	12831.5	13745.8	14234.5	14297.5	13887.7	13146.8	12153.7	11207.9	10845.3	10750.7
10°	12090.6	13320.2	14202.9	14423.6	13982.2	13036.4	11743.8	10640.4	10199.0	10120.2
12.5°	11570.4	12752.7	13619.7	13919.2	13714.3	12894.6	11538.9	10277.8	9836.4	9726.1
15°	11286.7	12374.4	12941.8	13036.4	13020.7	12673.9	11538.9	10356.6	9868.0	9741.9
17.5°	11523.1	12264.0	12342.8	12122.1	12248.3	12421.7	11791.1	10782.2	10309.3	10199.0
20°	11996.0	12216.7	11838.4	11507.4	11570.4	12122.1	12185.2	11586.2	11207.9	11018.7
22.5°	12989.1	12390.1	11523.1	11066.0	11113.3	11885.7	12705.4	12673.9	12342.8	12248.3
25°	13998.0	12878.8	11428.6	10892.6	10955.6	11838.4	13320.2	13887.7	13714.3	13667.0
27.5°	15117.2	13698.5	11491.6	10813.8	10892.6	11901.5	13745.8	14912.3	14943.8	14896.5
30°	15873.9	14092.6	11680.8	10908.4	11018.7	12059.1	13840.4	15527.1	15810.8	15826.6
32.5°	16504.4	14486.7	12074.9	11066.0	11255.2	12342.8	14092.6	16110.3	16740.9	16756.6
35°	17008.8	14928.1	12563.5	11349.7	11633.5	12815.7	14423.6	16662.0	17607.8	17718.2
37.5°	17655.1	15416.7	13131.0	11964.5	12279.8	13493.6	15006.9	17308.3	18632.5	18932.0
40°	18348.7	15905.4	13950.7	12957.6	13414.8	14502.4	15668.9	18033.5	19499.5	19909.3
42.5°	19121.1	16425.6	14880.8	14297.5	14991.1	15779.3	16425.6	18695.5	20161.5	20634.4
45°	19877.8	17056.1	16236.4	16126.1	16898.5	17292.6	17166.5	19168.4	20792.1	21265.0
47.5°	20413.8	17970.4	17875.8	18537.9	19263.0	19058.1	18033.5	19515.2	21312.3	21832.5
50°	20902.4	19105.4	19940.9	21233.5	21674.8	20981.2	18963.5	19988.1	21864.0	22447.2
52.5°	21627.5	20319.2	22068.9	23676.8	24102.4	22999.0	19972.4	20760.6	22715.2	23235.4
55°	23109.3	21690.6	24291.6	26135.9	26214.7	24843.3	21328.0	22068.9	23913.3	24512.3
57.5°	24764.5	23377.3	26057.1	28169.4	28137.9	26687.6	22857.1	23834.4	25536.9	25946.8
60°	26262.0	25079.8	27980.2	29619.7	29540.8	28027.5	24638.4	25836.4	27397.0	27712.3
62.5°	27144.8	26624.6	28831.5	30076.8	29777.3	28468.9	26151.7	27617.7	28721.1	28831.5
65°	27002.9	27507.3	27838.4	28610.8	28185.2	27239.4	26892.6	28752.7	28863.0	28752.7
67.5°	25931.0	27002.9	25111.3	25190.1	24969.4	24165.5	25741.8	28453.2	27696.5	27428.5
70°	24307.3	24386.2	20997.0	20003.9	20350.7	19247.3	22084.7	26120.1	24953.6	24622.6
72.5°	21611.8	20634.4	15873.9	14865.0	15385.2	14597.0	17718.2	22762.5	21627.5	20555.6
75°	18128.0	16346.8	12090.6	10656.1	10924.1	10892.6	13730.0	18805.9	16756.6	15684.7
77.5°	14045.3	12736.9	8922.2	8370.4	8086.7	8149.7	9584.2	13982.2	12153.7	10813.8
80°	10262.1	8906.4	6904.4	7219.7	7062.1	6683.7	6715.3	9363.5	8449.2	7645.3
82.5°	7093.6	6336.9	5596.0	6321.2	5942.8	5359.6	5233.5	6746.8	6336.9	5848.3
85°	4760.6	5217.7	4445.3	4839.4	4193.1	3862.1	4918.2	5643.3	4555.7	4067.0
87.5°	3105.4	4776.3	3200.0	2427.6	1387.2	1860.1	3010.8	3704.4	2128.1	1150.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)