

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: P598615

Luminaire Tested: **IFLD-L-SA8D-722-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598615
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8D-722-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (128) 2200K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

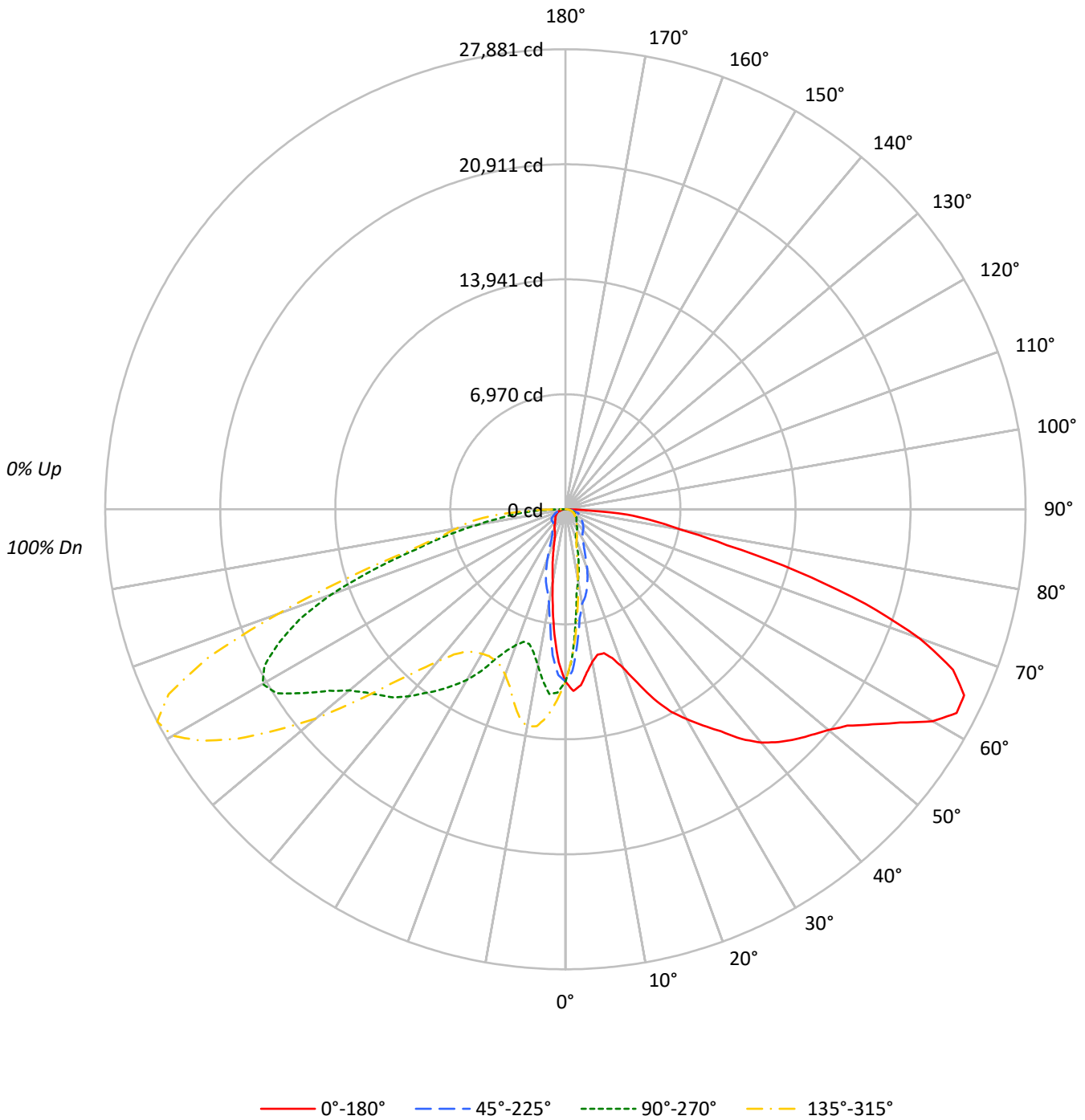
Lumens per Lamp: N/A
 Luminaire Lumens: 34927.9 lumens
 Efficiency: N/A
 Efficacy: 71.5 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 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	100	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77	77	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59	59	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46	46	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36	36	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30	30	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25	25	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21	21	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18	18	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16	16	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14	14	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	56153	56153	56153	56153
5°	57789	37578	41052	60710
10°	51270	23878	24118	52468
15°	50318	16936	16040	47061
20°	58502	10713	10797	50132
25°	75235	9198	8938	59268
30°	91176	8718	8173	74194
35°	107914	7681	7393	87944
40°	129666	7289	6776	103897
45°	150039	7229	6562	121121
50°	174229	7341	6607	143029
55°	213214	7541	6718	182226
60°	276520	7550	7078	227916
65°	339432	7629	7258	243967
70°	359174	8049	7588	237533
75°	302345	8509	7596	193865
80°	219660	9964	7699	167575
85°	232808	14437	6317	174156

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	807.5	2.3
10°-20°	1689.9	4.8
20°-30°	2435.4	7.0
30°-40°	3505.9	10.0
40°-50°	4980.0	14.3
50°-60°	7159.8	20.5
60°-70°	8271.9	23.7
70°-80°	4683.7	13.4
80°-90°	1393.9	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°	4932.8	14.1
0°-40°	8438.7	24.2
0°-60°	20578.4	58.9
0°-90°	34927.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34927.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10434	10434	10434	10434	10434	
5°	10697	6956	7599	11237	10697	971
15°	9031	3040	2879	8446	9031	2656
25°	12669	1549	1505	9981	12669	5881
35°	16425	1169	1125	13385	16425	10424
45°	19713	950	862	15913	19713	15264
55°	22723	804	716	19420	22723	20579
65°	26654	599	570	19158	26654	25559
75°	14540	409	365	9323	14540	15427
85°	3770	234	102	2820	3770	3755
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°	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6
2.5°	11018.1	11003.5	10915.8	10638.2	10345.9	10068.3	9805.3	9527.6	9381.5	9206.1	9133.1
5°	10696.6	10667.4	10419.0	9805.3	9264.6	8680.1	8183.2	7788.7	7467.2	7145.7	7028.8
7.5°	9966.0	9922.2	9629.9	8782.4	7993.3	7233.4	6634.3	6122.8	5699.0	5509.1	5289.9
10°	9381.5	9308.4	8928.5	7993.3	6970.4	6210.5	5815.9	5465.2	5099.9	4793.0	4471.5
12.5°	9016.2	8928.5	8533.9	7438.0	6444.3	5874.4	5465.2	5070.7	4617.7	4237.7	3887.0
15°	9030.8	8928.5	8446.3	7291.8	6312.8	5582.1	5012.2	4471.5	3945.5	3521.7	3127.2
17.5°	9454.5	9323.0	8811.6	7496.4	6210.5	5202.2	4442.3	3740.9	3141.8	2688.8	2367.3
20°	10214.4	10126.7	9542.2	7803.3	6108.2	4793.0	3857.8	3010.3	2381.9	2031.2	1899.7
22.5°	11354.2	11251.9	10623.6	8270.9	6079.0	4427.7	3229.5	2367.3	1914.3	1768.2	1695.1
25°	12669.4	12479.4	11894.9	9060.0	6137.4	4091.6	2718.0	1958.1	1709.7	1607.4	1563.6
27.5°	13809.2	13692.3	13034.7	9805.3	6166.6	3828.6	2367.3	1782.8	1592.8	1505.1	1475.9
30°	14671.3	14627.5	13984.5	10623.6	6093.6	3507.1	2148.1	1709.7	1592.8	1505.1	1417.5
32.5°	15533.5	15548.1	14861.3	11251.9	5991.3	3229.5	1943.5	1519.7	1402.8	1344.4	1359.0
35°	16424.9	16498.0	15913.4	11865.7	5772.1	3127.2	1797.4	1417.5	1315.2	1227.5	1183.6
37.5°	17550.1	17740.1	17170.2	12552.5	5552.9	3039.5	1724.3	1344.4	1242.1	1169.0	1110.6
40°	18456.1	18806.8	18470.7	13195.4	5406.8	2937.2	1665.9	1271.3	1198.3	1110.6	1066.7
42.5°	19128.3	19537.4	19420.5	13692.3	5406.8	2834.9	1607.4	1227.5	1169.0	1066.7	1008.3
45°	19712.8	20136.6	20122.0	14203.7	5523.7	2776.5	1534.4	1227.5	1139.8	1037.5	979.1
47.5°	20238.9	20662.6	20808.8	14846.7	5713.6	2747.2	1446.7	1198.3	1139.8	1022.9	935.2
50°	20808.8	21276.4	21714.8	15869.6	5947.4	2674.2	1388.2	1154.4	1154.4	1008.3	906.0
52.5°	21539.4	22065.5	22869.2	17140.9	6181.3	2542.6	1300.5	1125.2	1154.4	993.7	876.8
55°	22723.1	23161.4	24213.6	18660.7	6473.5	2381.9	1227.5	1052.1	1096.0	949.8	832.9
57.5°	24052.8	24432.8	25309.5	19829.7	6561.2	2177.3	1125.2	979.1	1052.1	906.0	774.5
60°	25689.5	25879.4	25879.4	20165.8	6268.9	1987.4	1052.1	920.6	949.8	862.2	730.6
62.5°	26727.0	26727.0	25879.4	19552.1	5713.6	1826.6	993.7	862.2	832.9	803.7	686.8
65°	26653.9	26537.0	25280.3	17769.3	5070.7	1724.3	935.2	789.1	745.3	730.6	643.0
67.5°	25426.4	25221.9	23512.2	15255.9	4398.5	1680.5	876.8	716.0	686.8	657.6	584.5
70°	22825.3	22299.3	20195.0	12274.8	3740.9	1651.3	862.2	657.6	628.4	599.1	540.7
72.5°	19055.2	18383.0	15767.3	9439.9	3141.8	1549.0	818.3	584.5	569.9	540.7	482.2
75°	14539.8	13297.7	11003.5	7218.8	2440.4	1344.4	701.4	511.5	511.5	496.8	438.4
77.5°	10024.4	9381.5	7671.8	5333.7	1782.8	1037.5	569.9	453.0	453.0	467.6	409.2
80°	7087.3	6488.1	5465.2	3828.6	1125.2	701.4	438.4	379.9	423.8	453.0	379.9
82.5°	5421.4	4983.0	4062.4	2791.1	657.6	482.2	336.1	306.9	365.3	394.5	321.5
85°	3770.1	3244.1	2060.4	1870.5	379.9	292.3	248.4	248.4	321.5	394.5	292.3
87.5°	1066.7	453.0	131.5	555.3	160.7	116.9	87.7	58.5	87.7	87.7	58.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6
2.5°	9060.0	8972.3	8972.3	8943.1	8957.7	8972.3	8957.7	9060.0	9103.8	9162.3	9279.2
5°	6955.7	7072.6	6985.0	7072.6	7189.5	7364.9	7408.7	7540.3	7554.9	7657.2	7598.7
7.5°	5158.4	5143.7	5070.7	5173.0	5494.4	5742.9	5859.8	5932.8	5947.4	5947.4	5874.4
10°	4369.3	4237.7	4106.2	4033.2	4062.4	4325.4	4413.1	4456.9	4427.7	4471.5	4413.1
12.5°	3740.9	3624.0	3434.0	3302.5	3214.8	3287.9	3375.6	3419.4	3448.6	3521.7	3580.2
15°	3039.5	2922.6	2805.7	2732.6	2659.5	2601.1	2674.2	2718.0	2791.1	2849.5	2878.7
17.5°	2308.8	2250.4	2191.9	2235.8	2235.8	2206.5	2235.8	2250.4	2279.6	2323.5	2308.8
20°	1870.5	1855.8	1841.2	1914.3	1972.7	1972.7	2002.0	1958.1	1943.5	1899.7	1885.1
22.5°	1665.9	1665.9	1680.5	1738.9	1797.4	1826.6	1826.6	1753.5	1680.5	1651.3	1665.9
25°	1549.0	1549.0	1592.8	1607.4	1636.6	1636.6	1651.3	1578.2	1534.4	1490.5	1505.1
27.5°	1461.3	1461.3	1475.9	1475.9	1490.5	1490.5	1505.1	1475.9	1417.5	1402.8	1402.8
30°	1402.8	1402.8	1388.2	1388.2	1388.2	1388.2	1402.8	1359.0	1329.8	1315.2	1315.2
32.5°	1344.4	1329.8	1315.2	1315.2	1300.5	1300.5	1315.2	1271.3	1256.7	1256.7	1256.7
35°	1169.0	1154.4	1169.0	1198.3	1198.3	1212.9	1212.9	1198.3	1169.0	1139.8	1125.2
37.5°	1096.0	1081.4	1081.4	1081.4	1110.6	1125.2	1139.8	1110.6	1066.7	1022.9	1022.9
40°	1037.5	1037.5	1022.9	1022.9	1022.9	1052.1	1081.4	1037.5	979.1	964.5	964.5
42.5°	993.7	979.1	964.5	949.8	935.2	979.1	1008.3	949.8	920.6	920.6	920.6
45°	949.8	935.2	920.6	906.0	891.4	906.0	935.2	876.8	862.2	862.2	862.2
47.5°	906.0	891.4	862.2	847.5	832.9	832.9	862.2	818.3	803.7	818.3	818.3
50°	876.8	847.5	818.3	803.7	789.1	789.1	789.1	774.5	774.5	774.5	789.1
52.5°	847.5	818.3	774.5	759.9	745.3	745.3	745.3	745.3	730.6	745.3	759.9
55°	803.7	774.5	745.3	730.6	716.0	701.4	716.0	701.4	701.4	716.0	716.0
57.5°	745.3	716.0	686.8	686.8	672.2	672.2	686.8	672.2	672.2	686.8	686.8
60°	701.4	672.2	643.0	643.0	628.4	643.0	657.6	643.0	643.0	643.0	657.6
62.5°	643.0	628.4	599.1	599.1	599.1	599.1	613.7	599.1	613.7	613.7	613.7
65°	599.1	569.9	555.3	555.3	555.3	555.3	584.5	555.3	569.9	569.9	569.9
67.5°	555.3	526.1	511.5	511.5	511.5	511.5	540.7	511.5	526.1	540.7	526.1
70°	511.5	482.2	467.6	467.6	467.6	467.6	482.2	467.6	467.6	482.2	482.2
72.5°	453.0	438.4	423.8	423.8	409.2	423.8	438.4	423.8	423.8	423.8	423.8
75°	409.2	394.5	394.5	379.9	379.9	379.9	394.5	365.3	365.3	365.3	365.3
77.5°	379.9	350.7	350.7	350.7	336.1	350.7	336.1	306.9	306.9	306.9	306.9
80°	321.5	292.3	306.9	306.9	292.3	292.3	277.6	248.4	248.4	248.4	248.4
82.5°	263.0	233.8	248.4	248.4	248.4	248.4	219.2	204.6	190.0	175.4	175.4
85°	233.8	190.0	219.2	219.2	204.6	204.6	146.1	146.1	116.9	116.9	102.3
87.5°	43.8	29.2	58.5	73.1	73.1	87.7	58.5	73.1	43.8	29.2	29.2
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°	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6
2.5°	9264.6	9425.3	9644.5	9805.3	10053.7	10243.6	10535.9	10784.3	11018.1	11120.4	11222.7
5°	7774.1	7876.4	8212.4	8475.5	8870.0	9293.8	9819.9	10389.8	10974.3	11237.3	11544.2
7.5°	5815.9	6005.9	6195.9	6575.8	7058.0	7744.8	8417.0	9264.6	10082.9	10477.4	11003.5
10°	4515.4	4661.5	4880.7	5275.3	5728.3	6298.2	7101.9	8110.2	9089.2	9600.7	10141.4
12.5°	3624.0	3828.6	4120.8	4530.0	5056.1	5640.6	6225.1	7160.3	8300.1	8884.6	9498.4
15°	2937.2	3097.9	3419.4	3930.9	4544.6	5143.7	5757.5	6532.0	7774.1	8446.3	9176.9
17.5°	2338.1	2455.0	2747.2	3258.7	3872.4	4544.6	5246.0	6225.1	7598.7	8417.0	9279.2
20°	1899.7	1987.4	2177.3	2557.3	3141.8	3872.4	4749.2	5932.8	7701.0	8753.1	9805.3
22.5°	1665.9	1695.1	1782.8	1987.4	2469.6	3244.1	4296.2	5684.4	7891.0	9250.0	10667.4
25°	1505.1	1534.4	1563.6	1695.1	1972.7	2703.4	3901.6	5538.3	8300.1	9980.6	11661.1
27.5°	1402.8	1432.1	1446.7	1505.1	1695.1	2308.8	3565.5	5450.6	8855.4	11047.3	12888.6
30°	1315.2	1315.2	1359.0	1446.7	1578.2	2031.2	3273.3	5246.0	9439.9	11938.7	13853.0
32.5°	1242.1	1256.7	1315.2	1359.0	1446.7	1797.4	2981.0	4983.0	9966.0	12669.4	14802.9
35°	1110.6	1110.6	1125.2	1198.3	1315.2	1607.4	2718.0	4720.0	10258.3	13385.4	15650.4
37.5°	1022.9	1037.5	1066.7	1125.2	1227.5	1475.9	2498.8	4427.7	10565.1	14057.6	16644.1
40°	964.5	979.1	1008.3	1066.7	1169.0	1359.0	2308.8	4193.9	10886.6	14788.3	17710.8
42.5°	920.6	935.2	964.5	1022.9	1110.6	1329.8	2104.3	4003.9	11076.6	15460.4	18719.1
45°	876.8	891.4	935.2	993.7	1066.7	1300.5	1987.4	3872.4	11149.6	15913.4	19522.8
47.5°	832.9	847.5	891.4	979.1	1066.7	1256.7	1943.5	3799.4	11208.1	16424.9	20165.8
50°	789.1	818.3	876.8	964.5	1081.4	1198.3	1914.3	3784.7	11544.2	17082.5	20779.5
52.5°	759.9	803.7	862.2	964.5	1066.7	1110.6	1899.7	3828.6	12216.4	18061.5	21656.3
55°	730.6	774.5	832.9	964.5	1022.9	1037.5	1826.6	3901.6	13239.3	19420.5	22898.4
57.5°	701.4	730.6	803.7	935.2	964.5	979.1	1680.5	4003.9	14262.2	20750.3	24169.7
60°	657.6	686.8	759.9	935.2	876.8	920.6	1490.5	4033.2	14992.8	21174.1	24286.6
62.5°	613.7	643.0	716.0	964.5	803.7	862.2	1329.8	3930.9	15139.0	20560.3	23629.1
65°	569.9	599.1	657.6	803.7	745.3	803.7	1227.5	3653.2	14656.7	19157.5	22430.8
67.5°	526.1	555.3	599.1	657.6	672.2	730.6	1183.6	3214.8	13443.9	17418.6	20794.2
70°	467.6	496.8	540.7	584.5	599.1	686.8	1110.6	2791.1	11485.7	15095.1	18792.2
72.5°	423.8	438.4	482.2	511.5	540.7	628.4	1066.7	2440.4	8782.4	12216.4	15328.9
75°	365.3	365.3	409.2	438.4	467.6	555.3	979.1	2031.2	6195.9	9323.0	11266.5
77.5°	306.9	306.9	336.1	365.3	394.5	482.2	832.9	1651.3	4296.2	7394.1	8168.6
80°	233.8	233.8	263.0	292.3	321.5	409.2	672.2	1212.9	2659.5	5406.8	5947.4
82.5°	160.7	160.7	204.6	219.2	233.8	321.5	511.5	832.9	1563.6	3901.6	4252.4
85°	87.7	87.7	116.9	131.5	160.7	233.8	379.9	584.5	935.2	2820.3	2834.9
87.5°	14.6	14.6	43.8	43.8	73.1	116.9	219.2	321.5	526.1	1563.6	993.7
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6	10433.6
2.5°	11412.7	11573.4	11588.0	11588.0	11515.0	11529.6	11325.0	11105.8	11032.7	11018.1
5°	12011.8	12435.6	12552.5	12610.9	12421.0	12128.7	11602.6	11032.7	10740.5	10696.6
7.5°	11894.9	12742.4	13195.4	13253.9	12874.0	12187.2	11266.5	10389.8	10053.7	9966.0
10°	11208.1	12347.9	13166.2	13370.8	12961.6	12084.9	10886.6	9863.7	9454.5	9381.5
12.5°	10725.9	11821.8	12625.5	12903.2	12713.2	11953.3	10696.6	9527.6	9118.4	9016.2
15°	10462.8	11471.1	11997.2	12084.9	12070.3	11748.8	10696.6	9600.7	9147.7	9030.8
17.5°	10682.0	11368.8	11441.9	11237.3	11354.2	11515.0	10930.4	9995.2	9556.8	9454.5
20°	11120.4	11325.0	10974.3	10667.4	10725.9	11237.3	11295.8	10740.5	10389.8	10214.4
22.5°	12041.0	11485.7	10682.0	10258.3	10302.1	11018.1	11778.0	11748.8	11441.9	11354.2
25°	12976.3	11938.7	10594.3	10097.5	10156.0	10974.3	12347.9	12874.0	12713.2	12669.4
27.5°	14013.8	12698.6	10652.8	10024.4	10097.5	11032.7	12742.4	13823.8	13853.0	13809.2
30°	14715.2	13063.9	10828.2	10112.1	10214.4	11178.9	12830.1	14393.7	14656.7	14671.3
32.5°	15299.7	13429.3	11193.5	10258.3	10433.6	11441.9	13063.9	14934.4	15518.9	15533.5
35°	15767.3	13838.4	11646.5	10521.3	10784.3	11880.3	13370.8	15445.8	16322.6	16424.9
37.5°	16366.4	14291.4	12172.5	11091.2	11383.4	12508.6	13911.5	16045.0	17272.4	17550.1
40°	17009.4	14744.4	12932.4	12011.8	12435.6	13443.9	14525.2	16717.2	18076.2	18456.1
42.5°	17725.4	15226.6	13794.6	13253.9	13896.9	14627.5	15226.6	17330.9	18689.9	19128.3
45°	18426.9	15811.2	15051.3	14949.0	15665.0	16030.3	15913.4	17769.3	19274.4	19712.8
47.5°	18923.7	16658.7	16571.0	17184.8	17857.0	17667.0	16717.2	18090.8	19756.6	20238.9
50°	19376.7	17710.8	18485.3	19683.6	20092.7	19449.8	17579.3	18529.2	20268.1	20808.8
52.5°	20048.9	18836.0	20458.1	21948.6	22343.1	21320.2	18514.5	19245.2	21057.2	21539.4
55°	21422.5	20107.3	22518.5	24228.2	24301.2	23029.9	19771.2	20458.1	22167.8	22723.1
57.5°	22956.9	21670.9	24155.1	26113.2	26084.0	24739.6	21188.7	22094.7	23672.9	24052.8
60°	24345.1	23249.1	25937.9	27457.6	27384.6	25981.7	22840.0	23950.5	25397.2	25689.5
62.5°	25163.4	24681.2	26727.0	27881.4	27603.8	26390.9	24242.8	25601.8	26624.7	26727.0
65°	25031.9	25499.5	25806.4	26522.4	26127.9	25251.1	24929.6	26653.9	26756.2	26653.9
67.5°	24038.2	25031.9	23278.3	23351.4	23146.8	22401.6	23862.9	26376.3	25674.9	25426.4
70°	22533.1	22606.2	19464.4	18543.8	18865.2	17842.3	20472.7	24213.6	23132.2	22825.3
72.5°	20034.3	19128.3	14715.2	13780.0	14262.2	13531.5	16424.9	21101.0	20048.9	19055.2
75°	16804.8	15153.6	11208.1	9878.3	10126.7	10097.5	12727.8	17433.2	15533.5	14539.8
77.5°	13020.1	11807.2	8270.9	7759.4	7496.4	7554.9	8884.6	12961.6	11266.5	10024.4
80°	9513.0	8256.3	6400.4	6692.7	6546.6	6195.9	6225.1	8680.1	7832.5	7087.3
82.5°	6575.8	5874.4	5187.6	5859.8	5509.1	4968.4	4851.5	6254.3	5874.4	5421.4
85°	4413.1	4836.9	4120.8	4486.2	3887.0	3580.2	4559.2	5231.4	4223.1	3770.1
87.5°	2878.7	4427.7	2966.4	2250.4	1285.9	1724.3	2791.1	3434.0	1972.7	1066.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)