

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: P598846

Luminaire Tested: **IFLD-L-SA8C-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: P598846
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8C-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

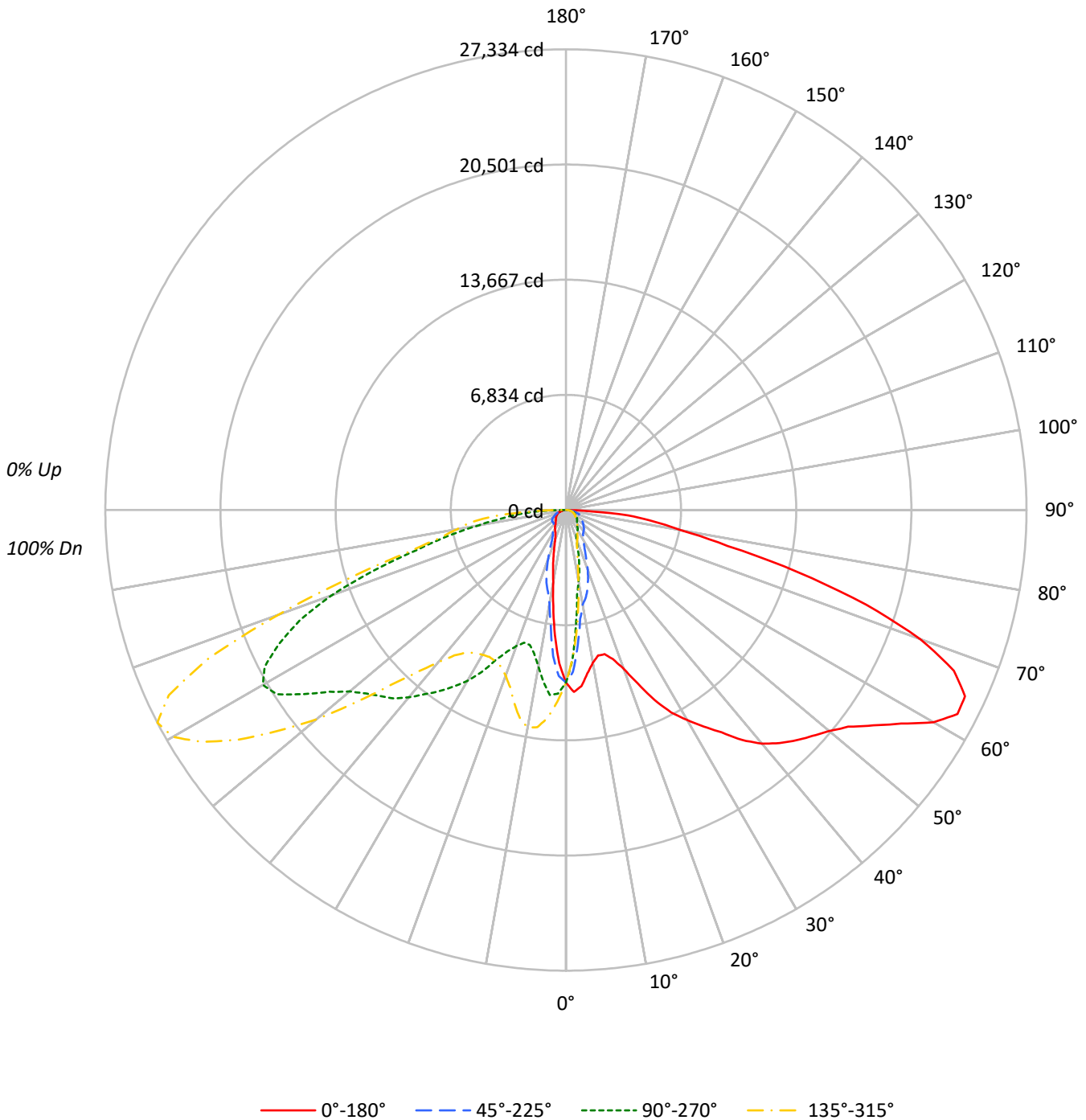
Lumens per Lamp: N/A
 Luminaire Lumens: 34242.2 lumens
 Efficiency: N/A
 Efficacy: 81.5 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 420.3
 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°	55051	55051	55051	55051
5°	56655	36841	40246	59518
10°	50263	23409	23644	51438
15°	49330	16603	15725	46137
20°	57353	10502	10585	49148
25°	73758	9018	8763	58105
30°	89386	8547	8012	72738
35°	105796	7530	7248	86218
40°	127121	7146	6643	101857
45°	147093	7088	6433	118743
50°	170808	7197	6477	140221
55°	209029	7393	6587	178649
60°	271091	7401	6939	223442
65°	332769	7480	7115	239177
70°	352125	7890	7440	232871
75°	296410	8341	7449	190060
80°	215346	9769	7547	164284
85°	228238	14153	6194	170735

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	791.6	2.3
10°-20°	1656.7	4.8
20°-30°	2387.6	7.0
30°-40°	3437.1	10.0
40°-50°	4882.2	14.3
50°-60°	7019.2	20.5
60°-70°	8109.5	23.7
70°-80°	4591.8	13.4
80°-90°	1366.5	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°	4835.9	14.1
0°-40°	8273.1	24.2
0°-60°	20174.5	58.9
0°-90°	34242.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34242.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10229	10229	10229	10229	10229	
5°	10487	6819	7450	11017	10487	952
15°	8854	2980	2822	8280	8854	2603
25°	12421	1519	1476	9785	12421	5765
35°	16102	1146	1103	13123	16102	10220
45°	19326	931	845	15601	19326	14964
55°	22277	788	702	19039	22277	20175
65°	26131	587	559	18781	26131	25057
75°	14254	401	358	9140	14254	15125
85°	3696	229	100	2765	3696	3681
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°	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8
2.5°	10801.8	10787.5	10701.5	10429.3	10142.8	9870.6	9612.8	9340.6	9197.3	9025.4	8953.8
5°	10486.7	10458.0	10214.5	9612.8	9082.7	8509.7	8022.6	7635.8	7320.6	7005.4	6890.8
7.5°	9770.4	9727.4	9440.9	8609.9	7836.3	7091.4	6504.0	6002.6	5587.2	5400.9	5186.0
10°	9197.3	9125.7	8753.2	7836.3	6833.5	6088.6	5701.8	5357.9	4999.8	4698.9	4383.8
12.5°	8839.2	8753.2	8366.4	7291.9	6317.8	5759.1	5357.9	4971.1	4527.0	4154.5	3810.7
15°	8853.5	8753.2	8280.4	7148.7	6188.8	5472.5	4913.8	4383.8	3868.0	3452.6	3065.8
17.5°	9268.9	9140.0	8638.6	7349.3	6088.6	5100.1	4355.1	3667.5	3080.1	2636.0	2320.8
20°	10013.9	9927.9	9354.9	7650.1	5988.3	4698.9	3782.1	2951.2	2335.1	1991.3	1862.4
22.5°	11131.3	11031.0	10415.0	8108.5	5959.6	4340.8	3166.1	2320.8	1876.7	1733.4	1661.8
25°	12420.7	12234.4	11661.4	8882.1	6016.9	4011.3	2664.6	1919.7	1676.1	1575.9	1532.9
27.5°	13538.1	13423.5	12778.8	9612.8	6045.6	3753.4	2320.8	1747.8	1561.5	1475.6	1446.9
30°	14383.3	14340.4	13710.0	10415.0	5974.0	3438.2	2105.9	1676.1	1561.5	1475.6	1389.6
32.5°	15228.6	15242.9	14569.6	11031.0	5873.7	3166.1	1905.4	1489.9	1375.3	1318.0	1332.3
35°	16102.5	16174.1	15601.0	11632.7	5658.8	3065.8	1762.1	1389.6	1289.3	1203.4	1160.4
37.5°	17205.6	17391.8	16833.1	12306.1	5443.9	2979.8	1690.5	1318.0	1217.7	1146.1	1088.8
40°	18093.8	18437.6	18108.1	12936.4	5300.6	2879.5	1633.2	1246.4	1174.7	1088.8	1045.8
42.5°	18752.8	19153.9	19039.3	13423.5	5300.6	2779.2	1575.9	1203.4	1146.1	1045.8	988.5
45°	19325.8	19741.3	19726.9	13924.9	5415.2	2721.9	1504.2	1203.4	1117.4	1017.1	959.8
47.5°	19841.6	20257.0	20400.3	14555.2	5601.5	2693.3	1418.3	1174.7	1117.4	1002.8	916.9
50°	20400.3	20858.7	21288.5	15558.1	5830.7	2621.7	1361.0	1131.8	1131.8	988.5	888.2
52.5°	21116.6	21632.3	22420.2	16804.4	6059.9	2492.7	1275.0	1103.1	1131.8	974.2	859.6
55°	22277.0	22706.8	23738.2	18294.3	6346.4	2335.1	1203.4	1031.5	1074.5	931.2	816.6
57.5°	23580.6	23953.1	24812.7	19440.4	6432.4	2134.6	1103.1	959.8	1031.5	888.2	759.3
60°	25185.2	25371.4	25371.4	19769.9	6145.9	1948.3	1031.5	902.5	931.2	845.2	716.3
62.5°	26202.3	26202.3	25371.4	19168.2	5601.5	1790.8	974.2	845.2	816.6	787.9	673.3
65°	26130.7	26016.1	24784.0	17420.5	4971.1	1690.5	916.9	773.6	730.6	716.3	630.3
67.5°	24927.3	24726.7	23050.6	14956.4	4312.1	1647.5	859.6	702.0	673.3	644.7	573.0
70°	22377.3	21861.5	19798.6	12033.9	3667.5	1618.8	845.2	644.7	616.0	587.4	530.1
72.5°	18681.1	18022.1	15457.8	9254.6	3080.1	1518.6	802.3	573.0	558.7	530.1	472.8
75°	14254.4	13036.7	10787.5	7077.1	2392.4	1318.0	687.6	501.4	501.4	487.1	429.8
77.5°	9827.7	9197.3	7521.2	5229.0	1747.8	1017.1	558.7	444.1	444.1	458.4	401.1
80°	6948.1	6360.8	5357.9	3753.4	1103.1	687.6	429.8	372.5	415.5	444.1	372.5
82.5°	5315.0	4885.2	3982.6	2736.3	644.7	472.8	329.5	300.8	358.2	386.8	315.2
85°	3696.1	3180.4	2020.0	1833.7	372.5	286.5	243.5	243.5	315.2	386.8	286.5
87.5°	1045.8	444.1	128.9	544.4	157.6	114.6	86.0	57.3	86.0	86.0	57.3
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°	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8
2.5°	8882.1	8796.2	8796.2	8767.5	8781.9	8796.2	8781.9	8882.1	8925.1	8982.4	9097.0
5°	6819.2	6933.8	6847.8	6933.8	7048.4	7220.3	7263.3	7392.2	7406.6	7506.8	7449.5
7.5°	5057.1	5042.8	4971.1	5071.4	5386.6	5630.1	5744.7	5816.4	5830.7	5830.7	5759.1
10°	4283.5	4154.5	4025.6	3954.0	3982.6	4240.5	4326.5	4369.4	4340.8	4383.8	4326.5
12.5°	3667.5	3552.9	3366.6	3237.7	3151.7	3223.4	3309.3	3352.3	3380.9	3452.6	3509.9
15°	2979.8	2865.2	2750.6	2679.0	2607.3	2550.0	2621.7	2664.6	2736.3	2793.6	2822.2
17.5°	2263.5	2206.2	2148.9	2191.9	2191.9	2163.2	2191.9	2206.2	2234.9	2277.8	2263.5
20°	1833.7	1819.4	1805.1	1876.7	1934.0	1934.0	1962.7	1919.7	1905.4	1862.4	1848.1
22.5°	1633.2	1633.2	1647.5	1704.8	1762.1	1790.8	1790.8	1719.1	1647.5	1618.8	1633.2
25°	1518.6	1518.6	1561.5	1575.9	1604.5	1604.5	1618.8	1547.2	1504.2	1461.3	1475.6
27.5°	1432.6	1432.6	1446.9	1446.9	1461.3	1461.3	1475.6	1446.9	1389.6	1375.3	1375.3
30°	1375.3	1375.3	1361.0	1361.0	1361.0	1361.0	1375.3	1332.3	1303.7	1289.3	1289.3
32.5°	1318.0	1303.7	1289.3	1289.3	1275.0	1275.0	1289.3	1246.4	1232.0	1232.0	1232.0
35°	1146.1	1131.8	1146.1	1174.7	1174.7	1189.1	1189.1	1174.7	1146.1	1117.4	1103.1
37.5°	1074.5	1060.1	1060.1	1060.1	1088.8	1103.1	1117.4	1088.8	1045.8	1002.8	1002.8
40°	1017.1	1017.1	1002.8	1002.8	1002.8	1031.5	1060.1	1017.1	959.8	945.5	945.5
42.5°	974.2	959.8	945.5	931.2	916.9	959.8	988.5	931.2	902.5	902.5	902.5
45°	931.2	916.9	902.5	888.2	873.9	888.2	916.9	859.6	845.2	845.2	845.2
47.5°	888.2	873.9	845.2	830.9	816.6	816.6	845.2	802.3	787.9	802.3	802.3
50°	859.6	830.9	802.3	787.9	773.6	773.6	773.6	759.3	759.3	759.3	773.6
52.5°	830.9	802.3	759.3	745.0	730.6	730.6	730.6	730.6	716.3	730.6	745.0
55°	787.9	759.3	730.6	716.3	702.0	687.6	702.0	687.6	687.6	702.0	702.0
57.5°	730.6	702.0	673.3	673.3	659.0	659.0	673.3	659.0	659.0	673.3	673.3
60°	687.6	659.0	630.3	630.3	616.0	630.3	644.7	630.3	630.3	630.3	644.7
62.5°	630.3	616.0	587.4	587.4	587.4	587.4	601.7	587.4	601.7	601.7	601.7
65°	587.4	558.7	544.4	544.4	544.4	544.4	573.0	544.4	558.7	558.7	558.7
67.5°	544.4	515.7	501.4	501.4	501.4	501.4	530.1	501.4	515.7	530.1	515.7
70°	501.4	472.8	458.4	458.4	458.4	458.4	472.8	458.4	458.4	472.8	472.8
72.5°	444.1	429.8	415.5	415.5	401.1	415.5	429.8	415.5	415.5	415.5	415.5
75°	401.1	386.8	386.8	372.5	372.5	372.5	386.8	358.2	358.2	358.2	358.2
77.5°	372.5	343.8	343.8	343.8	329.5	343.8	329.5	300.8	300.8	300.8	300.8
80°	315.2	286.5	300.8	300.8	286.5	286.5	272.2	243.5	243.5	243.5	243.5
82.5°	257.9	229.2	243.5	243.5	243.5	243.5	214.9	200.6	186.2	171.9	171.9
85°	229.2	186.2	214.9	214.9	200.6	200.6	143.3	143.3	114.6	114.6	100.3
87.5°	43.0	28.7	57.3	71.6	71.6	86.0	57.3	71.6	43.0	28.7	28.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8
2.5°	9082.7	9240.3	9455.2	9612.8	9856.3	10042.5	10329.1	10572.6	10801.8	10902.1	11002.4
5°	7621.4	7721.7	8051.2	8309.1	8695.9	9111.4	9627.1	10185.8	10758.8	11016.7	11317.6
7.5°	5701.8	5888.0	6074.2	6446.7	6919.5	7592.8	8251.8	9082.7	9885.0	10271.8	10787.5
10°	4426.7	4570.0	4784.9	5171.7	5615.8	6174.5	6962.5	7950.9	8910.8	9412.2	9942.3
12.5°	3552.9	3753.4	4039.9	4441.1	4956.8	5529.8	6102.9	7019.8	8137.2	8710.2	9311.9
15°	2879.5	3037.1	3352.3	3853.7	4455.4	5042.8	5644.5	6403.7	7621.4	8280.4	8996.7
17.5°	2292.2	2406.8	2693.3	3194.7	3796.4	4455.4	5143.0	6102.9	7449.5	8251.8	9097.0
20°	1862.4	1948.3	2134.6	2507.1	3080.1	3796.4	4656.0	5816.4	7549.8	8581.3	9612.8
22.5°	1633.2	1661.8	1747.8	1948.3	2421.1	3180.4	4211.9	5572.8	7736.1	9068.4	10458.0
25°	1475.6	1504.2	1532.9	1661.8	1934.0	2650.3	3825.0	5429.6	8137.2	9784.7	11432.2
27.5°	1375.3	1404.0	1418.3	1475.6	1661.8	2263.5	3495.6	5343.6	8681.6	10830.5	12635.6
30°	1289.3	1289.3	1332.3	1418.3	1547.2	1991.3	3209.0	5143.0	9254.6	11704.4	13581.1
32.5°	1217.7	1232.0	1289.3	1332.3	1418.3	1762.1	2922.5	4885.2	9770.4	12420.7	14512.3
35°	1088.8	1088.8	1103.1	1174.7	1289.3	1575.9	2664.6	4627.3	10056.9	13122.6	15343.2
37.5°	1002.8	1017.1	1045.8	1103.1	1203.4	1446.9	2449.8	4340.8	10357.7	13781.6	16317.3
40°	945.5	959.8	988.5	1045.8	1146.1	1332.3	2263.5	4111.6	10672.9	14497.9	17363.1
42.5°	902.5	916.9	945.5	1002.8	1088.8	1303.7	2062.9	3925.3	10859.1	15156.9	18351.6
45°	859.6	873.9	916.9	974.2	1045.8	1275.0	1948.3	3796.4	10930.8	15601.0	19139.6
47.5°	816.6	830.9	873.9	959.8	1045.8	1232.0	1905.4	3724.8	10988.1	16102.5	19769.9
50°	773.6	802.3	859.6	945.5	1060.1	1174.7	1876.7	3710.4	11317.6	16747.1	20371.6
52.5°	745.0	787.9	845.2	945.5	1045.8	1088.8	1862.4	3753.4	11976.6	17707.0	21231.2
55°	716.3	759.3	816.6	945.5	1002.8	1017.1	1790.8	3825.0	12979.4	19039.3	22448.9
57.5°	687.6	716.3	787.9	916.9	945.5	959.8	1647.5	3925.3	13982.2	20343.0	23695.3
60°	644.7	673.3	745.0	916.9	859.6	902.5	1461.3	3954.0	14698.5	20758.4	23809.9
62.5°	601.7	630.3	702.0	945.5	787.9	845.2	1303.7	3853.7	14841.8	20156.7	23165.2
65°	558.7	587.4	644.7	787.9	730.6	787.9	1203.4	3581.5	14369.0	18781.4	21990.5
67.5°	515.7	544.4	587.4	644.7	659.0	716.3	1160.4	3151.7	13179.9	17076.6	20385.9
70°	458.4	487.1	530.1	573.0	587.4	673.3	1088.8	2736.3	11260.3	14798.8	18423.3
72.5°	415.5	429.8	472.8	501.4	530.1	616.0	1045.8	2392.4	8609.9	11976.6	15028.0
75°	358.2	358.2	401.1	429.8	458.4	544.4	959.8	1991.3	6074.2	9140.0	11045.4
77.5°	300.8	300.8	329.5	358.2	386.8	472.8	816.6	1618.8	4211.9	7249.0	8008.3
80°	229.2	229.2	257.9	286.5	315.2	401.1	659.0	1189.1	2607.3	5300.6	5830.7
82.5°	157.6	157.6	200.6	214.9	229.2	315.2	501.4	816.6	1532.9	3825.0	4168.9
85°	86.0	86.0	114.6	128.9	157.6	229.2	372.5	573.0	916.9	2764.9	2779.2
87.5°	14.3	14.3	43.0	43.0	71.6	114.6	214.9	315.2	515.7	1532.9	974.2
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8	10228.8
2.5°	11188.6	11346.2	11360.5	11360.5	11288.9	11303.2	11102.7	10887.8	10816.2	10801.8
5°	11776.0	12191.5	12306.1	12363.4	12177.1	11890.6	11374.9	10816.2	10529.6	10486.7
7.5°	11661.4	12492.3	12936.4	12993.7	12621.2	11947.9	11045.4	10185.8	9856.3	9770.4
10°	10988.1	12105.5	12907.8	13108.3	12707.2	11847.6	10672.9	9670.1	9268.9	9197.3
12.5°	10515.3	11589.8	12377.7	12649.9	12463.6	11718.7	10486.7	9340.6	8939.4	8839.2
15°	10257.4	11245.9	11761.7	11847.6	11833.3	11518.1	10486.7	9412.2	8968.1	8853.5
17.5°	10472.3	11145.7	11217.3	11016.7	11131.3	11288.9	10715.9	9799.0	9369.2	9268.9
20°	10902.1	11102.7	10758.8	10458.0	10515.3	11016.7	11074.0	10529.6	10185.8	10013.9
22.5°	11804.6	11260.3	10472.3	10056.9	10099.9	10801.8	11546.8	11518.1	11217.3	11131.3
25°	12721.5	11704.4	10386.4	9899.3	9956.6	10758.8	12105.5	12621.2	12463.6	12420.7
27.5°	13738.7	12449.3	10443.7	9827.7	9899.3	10816.2	12492.3	13552.4	13581.1	13538.1
30°	14426.3	12807.5	10615.6	9913.6	10013.9	10959.4	12578.3	14111.1	14369.0	14383.3
32.5°	14999.4	13165.6	10973.7	10056.9	10228.8	11217.3	12807.5	14641.2	15214.2	15228.6
35°	15457.8	13566.8	11417.8	10314.7	10572.6	11647.1	13108.3	15142.6	16002.2	16102.5
37.5°	16045.2	14010.9	11933.6	10873.5	11160.0	12263.1	13638.4	15730.0	16933.4	17205.6
40°	16675.5	14455.0	12678.5	11776.0	12191.5	13179.9	14240.1	16389.0	17721.3	18093.8
42.5°	17377.5	14927.7	13523.8	12993.7	13624.1	14340.4	14927.7	16990.7	18323.0	18752.8
45°	18065.1	15500.8	14755.8	14655.5	15357.5	15715.7	15601.0	17420.5	18896.0	19325.8
47.5°	18552.2	16331.7	16245.7	16847.4	17506.4	17320.2	16389.0	17735.6	19368.8	19841.6
50°	18996.3	17363.1	18122.4	19297.2	19698.3	19067.9	17234.2	18165.4	19870.2	20400.3
52.5°	19655.3	18466.3	20056.4	21517.7	21904.5	20901.7	18151.1	18867.4	20643.8	21116.6
55°	21002.0	19712.6	22076.4	23752.6	23824.2	22577.8	19383.1	20056.4	21732.6	22277.0
57.5°	22506.2	21245.5	23680.9	25600.6	25572.0	24254.0	20772.7	21661.0	23208.2	23580.6
60°	23867.2	22792.7	25428.7	26918.6	26847.0	25471.7	22391.6	23480.4	24898.6	25185.2
62.5°	24669.4	24196.7	26202.3	27334.1	27061.9	25872.8	23766.9	25099.2	26102.0	26202.3
65°	24540.5	24998.9	25299.8	26001.7	25614.9	24755.4	24440.2	26130.7	26231.0	26130.7
67.5°	23566.3	24540.5	22821.4	22893.0	22692.4	21961.8	23394.4	25858.5	25170.8	24927.3
70°	22090.7	22162.4	19082.3	18179.7	18494.9	17492.1	20070.8	23738.2	22678.1	22377.3
72.5°	19641.0	18752.8	14426.3	13509.4	13982.2	13265.9	16102.5	20686.8	19655.3	18681.1
75°	16474.9	14856.1	10988.1	9684.4	9927.9	9899.3	12478.0	17091.0	15228.6	14254.4
77.5°	12764.5	11575.4	8108.5	7607.1	7349.3	7406.6	8710.2	12707.2	11045.4	9827.7
80°	9326.2	8094.2	6274.8	6561.3	6418.1	6074.2	6102.9	8509.7	7678.8	6948.1
82.5°	6446.7	5759.1	5085.7	5744.7	5400.9	4870.9	4756.2	6131.5	5759.1	5315.0
85°	4326.5	4741.9	4039.9	4398.1	3810.7	3509.9	4469.7	5128.7	4140.2	3696.1
87.5°	2822.2	4340.8	2908.2	2206.2	1260.7	1690.5	2736.3	3366.6	1934.0	1045.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)