

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: P598672

Luminaire Tested: **IFLD-L-SA8C-730-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598672
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA8C-730-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (128) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

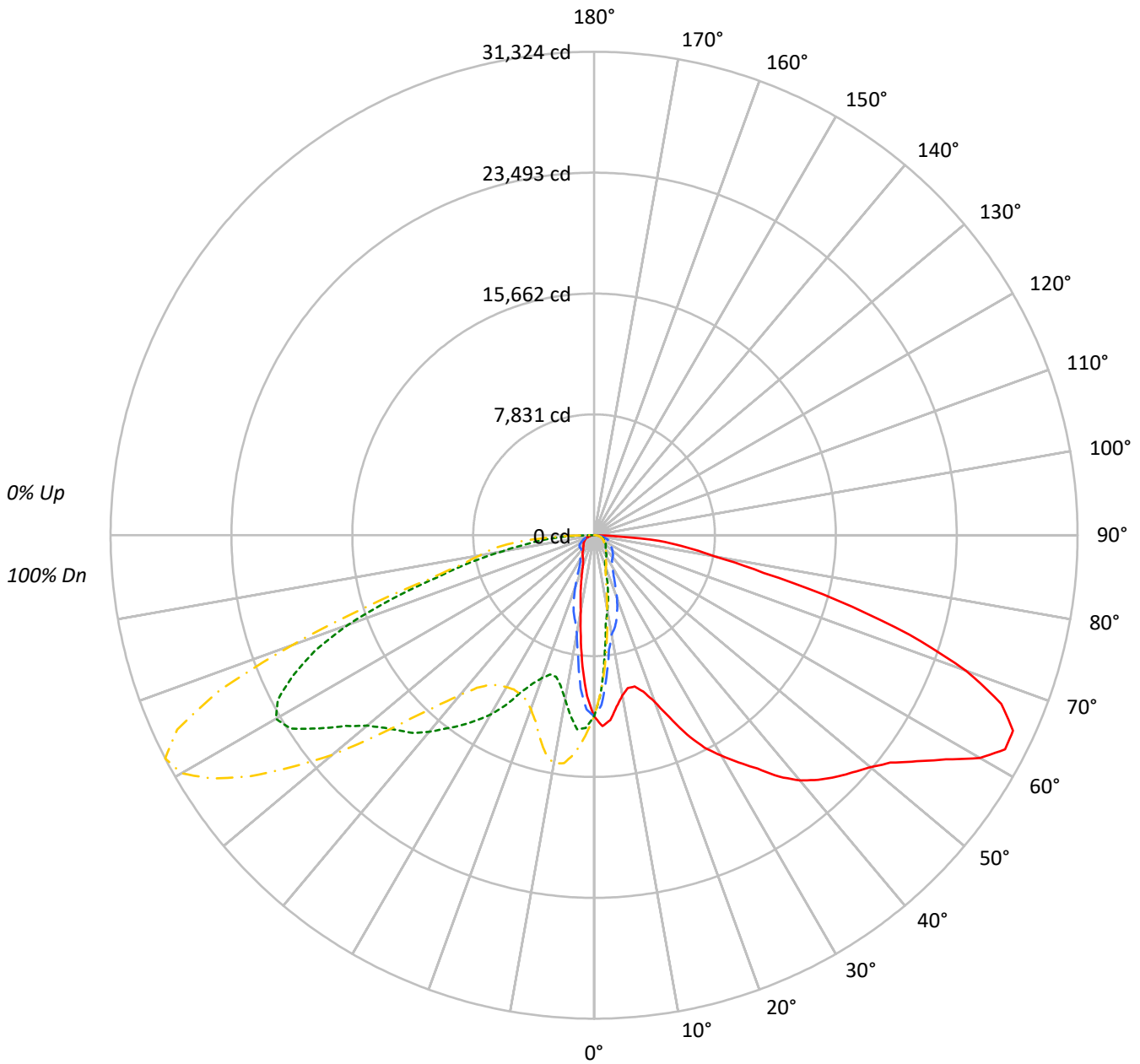
Lumens per Lamp: N/A
 Luminaire Lumens: 39241.1 lumens
 Efficiency: N/A
 Efficacy: 93.4 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

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



— 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	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°	63087	63087	63087	63087
5°	64925	42219	46122	68207
10°	57601	26827	27096	58946
15°	56532	19027	18020	52873
20°	65726	12035	12129	56323
25°	84526	10334	10042	66587
30°	102435	9795	9183	83356
35°	121240	8629	8305	98805
40°	145678	8189	7612	116727
45°	168567	8122	7372	136078
50°	195744	8247	7423	160692
55°	239544	8473	7549	204729
60°	310666	8482	7952	256061
65°	381349	8572	8154	274094
70°	403529	9042	8526	266866
75°	339681	9559	8534	217806
80°	246782	11195	8650	188267
85°	261559	16222	7095	195664

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	907.2	2.3
10°-20°	1898.6	4.8
20°-30°	2736.1	7.0
30°-40°	3938.9	10.0
40°-50°	5594.9	14.3
50°-60°	8043.9	20.5
60°-70°	9293.4	23.7
70°-80°	5262.1	13.4
80°-90°	1566.0	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°	5541.9	14.1
0°-40°	9480.8	24.2
0°-60°	23119.6	58.9
0°-90°	39241.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	39241.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	11722	11722	11722	11722	11722	
5°	12018	7815	8537	12625	12018	1090
15°	10146	3415	3234	9489	10146	2983
25°	14234	1740	1691	11213	14234	6607
35°	18453	1313	1264	15038	18453	11711
45°	22147	1067	969	17879	22147	17149
55°	25529	903	804	21819	25529	23121
65°	29945	673	640	21523	29945	28715
75°	16335	460	410	10474	16335	17333
85°	4236	263	115	3169	4236	4218
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°	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0
2.5°	12378.7	12362.3	12263.8	11951.9	11623.5	11311.6	11016.1	10704.2	10540.0	10343.0	10260.9
5°	12017.6	11984.7	11705.6	11016.1	10408.6	9751.9	9193.8	8750.5	8389.3	8028.1	7896.8
7.5°	11196.7	11147.4	10819.1	9866.9	8980.3	8126.6	7453.5	6878.9	6402.8	6189.4	5943.1
10°	10540.0	10457.9	10031.0	8980.3	7831.1	6977.4	6534.1	6140.1	5729.7	5384.9	5023.7
12.5°	10129.5	10031.0	9587.8	8356.5	7240.1	6599.8	6140.1	5696.8	5187.9	4761.1	4367.0
15°	10146.0	10031.0	9489.3	8192.3	7092.3	6271.5	5631.2	5023.7	4432.7	3956.6	3513.3
17.5°	10622.1	10474.3	9899.7	8422.1	6977.4	5844.6	4990.9	4202.9	3529.7	3020.8	2659.6
20°	11475.8	11377.3	10720.6	8766.9	6862.5	5384.9	4334.2	3382.0	2676.0	2282.0	2134.3
22.5°	12756.3	12641.4	11935.5	9292.3	6829.6	4974.5	3628.3	2659.6	2150.7	1986.5	1904.4
25°	14233.9	14020.5	13363.8	10178.8	6895.3	4596.9	3053.6	2199.9	1920.8	1805.9	1756.7
27.5°	15514.5	15383.1	14644.3	11016.1	6928.2	4301.4	2659.6	2002.9	1789.5	1691.0	1658.2
30°	16483.1	16433.8	15711.5	11935.5	6846.1	3940.2	2413.4	1920.8	1789.5	1691.0	1592.5
32.5°	17451.7	17468.1	16696.5	12641.4	6731.1	3628.3	2183.5	1707.4	1576.1	1510.4	1526.8
35°	18453.2	18535.3	17878.6	13330.9	6484.9	3513.3	2019.3	1592.5	1477.6	1379.1	1329.8
37.5°	19717.3	19930.7	19290.5	14102.6	6238.6	3414.8	1937.3	1510.4	1395.5	1313.4	1247.7
40°	20735.2	21129.2	20751.6	14824.9	6074.4	3299.9	1871.6	1428.3	1346.2	1247.7	1198.5
42.5°	21490.4	21950.1	21818.8	15383.1	6074.4	3185.0	1805.9	1379.1	1313.4	1198.5	1132.8
45°	22147.1	22623.2	22606.8	15957.7	6205.8	3119.3	1723.8	1379.1	1280.6	1165.6	1100.0
47.5°	22738.1	23214.2	23378.4	16680.1	6419.2	3086.5	1625.3	1346.2	1280.6	1149.2	1050.7
50°	23378.4	23903.8	24396.3	17829.3	6681.9	3004.4	1559.7	1297.0	1297.0	1132.8	1017.9
52.5°	24199.3	24790.3	25693.3	19257.6	6944.6	2856.6	1461.2	1264.1	1297.0	1116.4	985.0
55°	25529.1	26021.6	27203.7	20965.0	7272.9	2676.0	1379.1	1182.1	1231.3	1067.1	935.8
57.5°	27023.1	27449.9	28435.0	22278.4	7371.4	2446.2	1264.1	1100.0	1182.1	1017.9	870.1
60°	28861.8	29075.3	29075.3	22656.0	7043.1	2232.8	1182.1	1034.3	1067.1	968.6	820.9
62.5°	30027.5	30027.5	29075.3	21966.5	6419.2	2052.2	1116.4	968.6	935.8	903.0	771.6
65°	29945.4	29814.0	28402.1	19963.6	5696.8	1937.3	1050.7	886.5	837.3	820.9	722.4
67.5°	28566.3	28336.5	26415.6	17139.8	4941.6	1888.0	985.0	804.5	771.6	738.8	656.7
70°	25644.0	25053.0	22688.9	13790.6	4202.9	1855.2	968.6	738.8	705.9	673.1	607.4
72.5°	21408.3	20653.1	17714.4	10605.7	3529.7	1740.2	919.4	656.7	640.3	607.4	541.8
75°	16335.3	14939.9	12362.3	8110.2	2741.7	1510.4	788.0	574.6	574.6	558.2	492.5
77.5°	11262.4	10540.0	8619.1	5992.4	2002.9	1165.6	640.3	508.9	508.9	525.4	459.7
80°	7962.4	7289.3	6140.1	4301.4	1264.1	788.0	492.5	426.9	476.1	508.9	426.9
82.5°	6090.9	5598.3	4564.0	3135.7	738.8	541.8	377.6	344.8	410.4	443.3	361.2
85°	4235.7	3644.7	2314.9	2101.4	426.9	328.3	279.1	279.1	361.2	443.3	328.3
87.5°	1198.5	508.9	147.8	623.9	180.6	131.3	98.5	65.7	98.5	98.5	65.7
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°	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0
2.5°	10178.8	10080.3	10080.3	10047.5	10063.9	10080.3	10063.9	10178.8	10228.1	10293.7	10425.1
5°	7814.7	7946.0	7847.5	7946.0	8077.4	8274.4	8323.6	8471.4	8487.8	8602.7	8537.1
7.5°	5795.3	5778.9	5696.8	5811.8	6173.0	6452.0	6583.4	6665.5	6681.9	6681.9	6599.8
10°	4908.8	4761.1	4613.3	4531.2	4564.0	4859.6	4958.1	5007.3	4974.5	5023.7	4958.1
12.5°	4202.9	4071.5	3858.1	3710.3	3611.8	3693.9	3792.4	3841.7	3874.5	3956.6	4022.3
15°	3414.8	3283.5	3152.1	3070.1	2988.0	2922.3	3004.4	3053.6	3135.7	3201.4	3234.2
17.5°	2594.0	2528.3	2462.6	2511.9	2511.9	2479.0	2511.9	2528.3	2561.1	2610.4	2594.0
20°	2101.4	2085.0	2068.6	2150.7	2216.4	2216.4	2249.2	2199.9	2183.5	2134.3	2117.8
22.5°	1871.6	1871.6	1888.0	1953.7	2019.3	2052.2	2052.2	1970.1	1888.0	1855.2	1871.6
25°	1740.2	1740.2	1789.5	1805.9	1838.8	1838.8	1855.2	1773.1	1723.8	1674.6	1691.0
27.5°	1641.7	1641.7	1658.2	1658.2	1674.6	1674.6	1691.0	1658.2	1592.5	1576.1	1576.1
30°	1576.1	1576.1	1559.7	1559.7	1559.7	1559.7	1576.1	1526.8	1494.0	1477.6	1477.6
32.5°	1510.4	1494.0	1477.6	1477.6	1461.2	1461.2	1477.6	1428.3	1411.9	1411.9	1411.9
35°	1313.4	1297.0	1313.4	1346.2	1346.2	1362.6	1362.6	1346.2	1313.4	1280.6	1264.1
37.5°	1231.3	1214.9	1214.9	1214.9	1247.7	1264.1	1280.6	1247.7	1198.5	1149.2	1149.2
40°	1165.6	1165.6	1149.2	1149.2	1149.2	1182.1	1214.9	1165.6	1100.0	1083.5	1083.5
42.5°	1116.4	1100.0	1083.5	1067.1	1050.7	1100.0	1132.8	1067.1	1034.3	1034.3	1034.3
45°	1067.1	1050.7	1034.3	1017.9	1001.5	1017.9	1050.7	985.0	968.6	968.6	968.6
47.5°	1017.9	1001.5	968.6	952.2	935.8	935.8	968.6	919.4	903.0	919.4	919.4
50°	985.0	952.2	919.4	903.0	886.5	886.5	886.5	870.1	870.1	870.1	886.5
52.5°	952.2	919.4	870.1	853.7	837.3	837.3	837.3	837.3	820.9	837.3	853.7
55°	903.0	870.1	837.3	820.9	804.5	788.0	804.5	788.0	788.0	804.5	804.5
57.5°	837.3	804.5	771.6	771.6	755.2	755.2	771.6	755.2	755.2	771.6	771.6
60°	788.0	755.2	722.4	722.4	705.9	722.4	738.8	722.4	722.4	722.4	738.8
62.5°	722.4	705.9	673.1	673.1	673.1	673.1	689.5	673.1	689.5	689.5	689.5
65°	673.1	640.3	623.9	623.9	623.9	623.9	656.7	623.9	640.3	640.3	640.3
67.5°	623.9	591.0	574.6	574.6	574.6	574.6	607.4	574.6	591.0	607.4	591.0
70°	574.6	541.8	525.4	525.4	525.4	525.4	541.8	525.4	525.4	541.8	541.8
72.5°	508.9	492.5	476.1	476.1	459.7	476.1	492.5	476.1	476.1	476.1	476.1
75°	459.7	443.3	443.3	426.9	426.9	426.9	443.3	410.4	410.4	410.4	410.4
77.5°	426.9	394.0	394.0	394.0	377.6	394.0	377.6	344.8	344.8	344.8	344.8
80°	361.2	328.3	344.8	344.8	328.3	328.3	311.9	279.1	279.1	279.1	279.1
82.5°	295.5	262.7	279.1	279.1	279.1	279.1	246.3	229.8	213.4	197.0	197.0
85°	262.7	213.4	246.3	246.3	229.8	229.8	164.2	164.2	131.3	131.3	114.9
87.5°	49.3	32.8	65.7	82.1	82.1	98.5	65.7	82.1	49.3	32.8	32.8
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°	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0
2.5°	10408.6	10589.2	10835.5	11016.1	11295.2	11508.6	11837.0	12116.1	12378.7	12493.7	12608.6
5°	8734.1	8849.0	9226.6	9522.1	9965.4	10441.5	11032.5	11672.8	12329.5	12625.0	12969.8
7.5°	6534.1	6747.6	6961.0	7387.8	7929.6	8701.2	9456.4	10408.6	11328.0	11771.3	12362.3
10°	5073.0	5237.2	5483.4	5926.7	6435.6	7075.9	7978.9	9111.7	10211.6	10786.2	11393.7
12.5°	4071.5	4301.4	4629.7	5089.4	5680.4	6337.1	6993.8	8044.5	9325.1	9981.8	10671.3
15°	3299.9	3480.5	3841.7	4416.3	5105.8	5778.9	6468.5	7338.6	8734.1	9489.3	10310.1
17.5°	2626.8	2758.1	3086.5	3661.1	4350.6	5105.8	5893.9	6993.8	8537.1	9456.4	10425.1
20°	2134.3	2232.8	2446.2	2873.0	3529.7	4350.6	5335.7	6665.5	8652.0	9834.0	11016.1
22.5°	1871.6	1904.4	2002.9	2232.8	2774.5	3644.7	4826.7	6386.4	8865.4	10392.2	11984.7
25°	1691.0	1723.8	1756.7	1904.4	2216.4	3037.2	4383.5	6222.2	9325.1	11213.1	13101.1
27.5°	1576.1	1608.9	1625.3	1691.0	1904.4	2594.0	4005.9	6123.7	9949.0	12411.6	14480.2
30°	1477.6	1477.6	1526.8	1625.3	1773.1	2282.0	3677.5	5893.9	10605.7	13413.0	15563.7
32.5°	1395.5	1411.9	1477.6	1526.8	1625.3	2019.3	3349.2	5598.3	11196.7	14233.9	16630.8
35°	1247.7	1247.7	1264.1	1346.2	1477.6	1805.9	3053.6	5302.8	11525.0	15038.4	17583.1
37.5°	1149.2	1165.6	1198.5	1264.1	1379.1	1658.2	2807.4	4974.5	11869.8	15793.6	18699.4
40°	1083.5	1100.0	1132.8	1198.5	1313.4	1526.8	2594.0	4711.8	12231.0	16614.4	19897.9
42.5°	1034.3	1050.7	1083.5	1149.2	1247.7	1494.0	2364.1	4498.4	12444.4	17369.6	21030.7
45°	985.0	1001.5	1050.7	1116.4	1198.5	1461.2	2232.8	4350.6	12526.5	17878.6	21933.7
47.5°	935.8	952.2	1001.5	1100.0	1198.5	1411.9	2183.5	4268.5	12592.2	18453.2	22656.0
50°	886.5	919.4	985.0	1083.5	1214.9	1346.2	2150.7	4252.1	12969.8	19192.0	23345.6
52.5°	853.7	903.0	968.6	1083.5	1198.5	1247.7	2134.3	4301.4	13725.0	20291.9	24330.6
55°	820.9	870.1	935.8	1083.5	1149.2	1165.6	2052.2	4383.5	14874.2	21818.8	25726.1
57.5°	788.0	820.9	903.0	1050.7	1083.5	1100.0	1888.0	4498.4	16023.4	23312.7	27154.4
60°	738.8	771.6	853.7	1050.7	985.0	1034.3	1674.6	4531.2	16844.3	23788.8	27285.8
62.5°	689.5	722.4	804.5	1083.5	903.0	968.6	1494.0	4416.3	17008.4	23099.3	26547.0
65°	640.3	673.1	738.8	903.0	837.3	903.0	1379.1	4104.4	16466.7	21523.2	25200.7
67.5°	591.0	623.9	673.1	738.8	755.2	820.9	1329.8	3611.8	15104.0	19569.6	23362.0
70°	525.4	558.2	607.4	656.7	673.1	771.6	1247.7	3135.7	12904.1	16959.2	21112.8
72.5°	476.1	492.5	541.8	574.6	607.4	705.9	1198.5	2741.7	9866.9	13725.0	17221.9
75°	410.4	410.4	459.7	492.5	525.4	623.9	1100.0	2282.0	6961.0	10474.3	12657.8
77.5°	344.8	344.8	377.6	410.4	443.3	541.8	935.8	1855.2	4826.7	8307.2	9177.3
80°	262.7	262.7	295.5	328.3	361.2	459.7	755.2	1362.6	2988.0	6074.4	6681.9
82.5°	180.6	180.6	229.8	246.3	262.7	361.2	574.6	935.8	1756.7	4383.5	4777.5
85°	98.5	98.5	131.3	147.8	180.6	262.7	426.9	656.7	1050.7	3168.6	3185.0
87.5°	16.4	16.4	49.3	49.3	82.1	131.3	246.3	361.2	591.0	1756.7	1116.4
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0	11722.0
2.5°	12822.0	13002.6	13019.0	13019.0	12936.9	12953.3	12723.5	12477.2	12395.2	12378.7
5°	13495.1	13971.2	14102.6	14168.2	13954.8	13626.5	13035.4	12395.2	12066.8	12017.6
7.5°	13363.8	14316.0	14824.9	14890.6	14463.7	13692.1	12657.8	11672.8	11295.2	11196.7
10°	12592.2	13872.7	14792.1	15021.9	14562.3	13577.2	12231.0	11081.8	10622.1	10540.0
12.5°	12050.4	13281.7	14184.7	14496.6	14283.2	13429.5	12017.6	10704.2	10244.5	10129.5
15°	11754.9	12887.7	13478.7	13577.2	13560.8	13199.6	12017.6	10786.2	10277.3	10146.0
17.5°	12001.1	12772.8	12854.8	12625.0	12756.3	12936.9	12280.2	11229.5	10737.0	10622.1
20°	12493.7	12723.5	12329.5	11984.7	12050.4	12625.0	12690.7	12066.8	11672.8	11475.8
22.5°	13528.0	12904.1	12001.1	11525.0	11574.3	12378.7	13232.4	13199.6	12854.8	12756.3
25°	14578.7	13413.0	11902.6	11344.4	11410.1	12329.5	13872.7	14463.7	14283.2	14233.9
27.5°	15744.3	14266.7	11968.3	11262.4	11344.4	12395.2	14316.0	15530.9	15563.7	15514.5
30°	16532.3	14677.2	12165.3	11360.9	11475.8	12559.3	14414.5	16171.2	16466.7	16483.1
32.5°	17189.0	15087.6	12575.7	11525.0	11722.0	12854.8	14677.2	16778.6	17435.3	17451.7
35°	17714.4	15547.3	13084.7	11820.5	12116.1	13347.4	15021.9	17353.2	18338.3	18453.2
37.5°	18387.5	16056.2	13675.7	12460.8	12789.2	14053.3	15629.4	18026.3	19405.4	19717.3
40°	19109.9	16565.2	14529.4	13495.1	13971.2	15104.0	16318.9	18781.5	20308.3	20735.2
42.5°	19914.3	17107.0	15498.0	14890.6	15613.0	16433.8	17107.0	19471.1	20997.9	21490.4
45°	20702.4	17763.6	16909.9	16795.0	17599.5	18009.9	17878.6	19963.6	21654.6	22147.1
47.5°	21260.6	18715.9	18617.4	19306.9	20062.1	19848.7	18781.5	20324.8	22196.4	22738.1
50°	21769.5	19897.9	20768.0	22114.3	22574.0	21851.6	19750.2	20817.3	22771.0	23378.4
52.5°	22524.7	21162.1	22984.4	24659.0	25102.2	23953.0	20800.9	21621.7	23657.5	24199.3
55°	24067.9	22590.4	25299.2	27220.1	27302.2	25873.9	22212.8	22984.4	24905.2	25529.1
57.5°	25791.8	24347.0	27138.0	29337.9	29305.1	27794.7	23805.3	24823.1	26596.2	27023.1
60°	27351.4	26120.1	29140.9	30848.3	30766.2	29190.2	25660.4	26908.2	28533.5	28861.8
62.5°	28270.8	27729.0	30027.5	31324.4	31012.5	29649.9	27236.5	28763.3	29912.5	30027.5
65°	28123.0	28648.4	28993.2	29797.6	29354.3	28369.3	28008.1	29945.4	30060.3	29945.4
67.5°	27006.7	28123.0	26153.0	26235.0	26005.2	25167.9	26809.6	29633.4	28845.4	28566.3
70°	25315.7	25397.8	21868.0	20833.7	21194.9	20045.7	23000.8	27203.7	25988.8	25644.0
72.5°	22508.3	21490.4	16532.3	15481.6	16023.4	15202.5	18453.2	23706.8	22524.7	21408.3
75°	18880.0	17024.9	12592.2	11098.2	11377.3	11344.4	14299.6	19586.0	17451.7	16335.3
77.5°	14627.9	13265.3	9292.3	8717.7	8422.1	8487.8	9981.8	14562.3	12657.8	11262.4
80°	10687.7	9275.8	7190.8	7519.2	7355.0	6961.0	6993.8	9751.9	8799.7	7962.4
82.5°	7387.8	6599.8	5828.2	6583.4	6189.4	5581.9	5450.6	7026.7	6599.8	6090.9
85°	4958.1	5434.2	4629.7	5040.1	4367.0	4022.3	5122.2	5877.4	4744.6	4235.7
87.5°	3234.2	4974.5	3332.7	2528.3	1444.7	1937.3	3135.7	3858.1	2216.4	1198.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)