

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: P598639

Luminaire Tested: **IFLD-L-SA7D-727-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598639
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-L-SA7D-727-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (112) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Summary

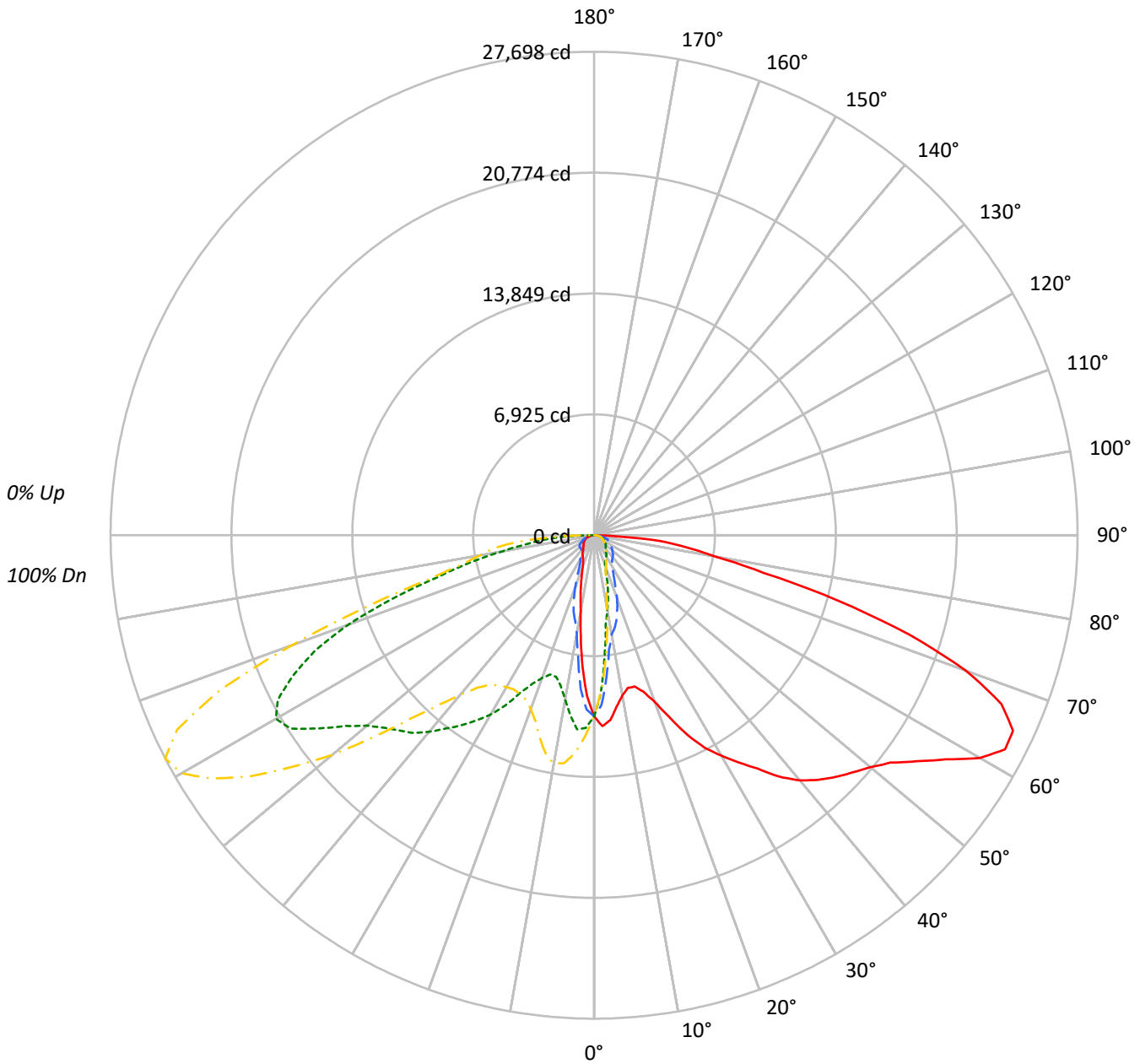
Lumens per Lamp: N/A
 Luminaire Lumens: 34698.4 lumens
 Efficiency: N/A
 Efficacy: 82.1 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 422.6
 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	100				
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77				
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59				
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46				
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36				
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30				
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25				
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21				
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18				
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16				
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	55785	55785	55785	55785
5°	57409	37331	40783	60311
10°	50933	23721	23959	52123
15°	49987	16824	15934	46752
20°	58117	10643	10726	49803
25°	74740	9138	8879	58879
30°	90577	8661	8119	73706
35°	107205	7631	7344	87367
40°	128814	7241	6731	103214
45°	149053	7182	6519	120325
50°	173084	7293	6563	142089
55°	211814	7492	6674	181028
60°	274703	7500	7032	226419
65°	337202	7580	7210	242364
70°	356815	7995	7539	235972
75°	300359	8453	7546	192593
80°	218216	9899	7649	166475
85°	231282	14345	6274	173014

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.2	2.3
10°-20°	1678.8	4.8
20°-30°	2419.4	7.0
30°-40°	3482.9	10.0
40°-50°	4947.2	14.3
50°-60°	7112.7	20.5
60°-70°	8217.5	23.7
70°-80°	4652.9	13.4
80°-90°	1384.7	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°	4900.4	14.1
0°-40°	8383.3	24.2
0°-60°	20443.2	58.9
0°-90°	34698.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34698.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10365	10365	10365	10365	10365	
5°	10626	6910	7549	11164	10626	964
15°	8971	3020	2860	8391	8971	2638
25°	12586	1539	1495	9915	12586	5842
35°	16317	1161	1118	13298	16317	10356
45°	19583	944	856	15809	19583	15164
55°	22574	798	711	19293	22574	20444
65°	26479	595	566	19032	26479	25391
75°	14444	406	363	9262	14444	15326
85°	3745	232	102	2802	3745	3730
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°	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1
2.5°	10945.7	10931.2	10844.1	10568.3	10278.0	10002.1	9740.8	9465.0	9319.8	9145.6	9073.1
5°	10626.4	10597.3	10350.5	9740.8	9203.7	8623.0	8129.5	7737.5	7418.1	7098.8	6982.6
7.5°	9900.5	9857.0	9566.6	8724.7	7940.7	7185.9	6590.7	6082.6	5661.6	5472.9	5255.1
10°	9319.8	9247.3	8869.8	7940.7	6924.6	6169.7	5777.7	5429.3	5066.4	4761.5	4442.2
12.5°	8956.9	8869.8	8477.9	7389.1	6401.9	5835.8	5429.3	5037.4	4587.3	4209.9	3861.5
15°	8971.4	8869.8	8390.8	7243.9	6271.3	5545.5	4979.3	4442.2	3919.6	3498.6	3106.6
17.5°	9392.4	9261.8	8753.7	7447.2	6169.7	5168.0	4413.1	3716.3	3121.1	2671.1	2351.7
20°	10147.3	10060.2	9479.5	7752.0	6068.1	4761.5	3832.5	2990.5	2366.3	2017.8	1887.2
22.5°	11279.6	11178.0	10553.8	8216.6	6039.0	4398.6	3208.2	2351.7	1901.7	1756.5	1684.0
25°	12586.1	12397.4	11816.8	9000.5	6097.1	4064.7	2700.1	1945.3	1698.5	1596.9	1553.3
27.5°	13718.5	13602.3	12949.1	9740.8	6126.1	3803.4	2351.7	1771.1	1582.3	1495.2	1466.2
30°	14575.0	14531.4	13892.7	10553.8	6053.5	3484.1	2134.0	1698.5	1582.3	1495.2	1408.1
32.5°	15431.5	15446.0	14763.7	11178.0	5951.9	3208.2	1930.7	1509.8	1393.6	1335.6	1350.1
35°	16317.0	16389.6	15808.9	11787.7	5734.2	3106.6	1785.6	1408.1	1306.5	1219.4	1175.9
37.5°	17434.8	17623.5	17057.3	12470.0	5516.4	3019.5	1713.0	1335.6	1233.9	1161.4	1103.3
40°	18334.8	18683.2	18349.4	13108.8	5371.3	2917.9	1654.9	1263.0	1190.4	1103.3	1059.7
42.5°	19002.6	19409.1	19292.9	13602.3	5371.3	2816.3	1596.9	1219.4	1161.4	1059.7	1001.7
45°	19583.3	20004.3	19989.8	14110.4	5487.4	2758.2	1524.3	1219.4	1132.3	1030.7	972.6
47.5°	20105.9	20526.9	20672.1	14749.2	5676.1	2729.2	1437.2	1190.4	1132.3	1016.2	929.1
50°	20672.1	21136.6	21572.1	15765.3	5908.4	2656.6	1379.1	1146.8	1146.8	1001.7	900.0
52.5°	21397.9	21920.5	22718.9	17028.3	6140.6	2525.9	1292.0	1117.8	1146.8	987.1	871.0
55°	22573.8	23009.3	24054.5	18538.1	6431.0	2366.3	1219.4	1045.2	1088.8	943.6	827.5
57.5°	23894.8	24272.2	25143.3	19699.4	6518.1	2163.0	1117.8	972.6	1045.2	900.0	769.4
60°	25520.7	25709.4	25709.4	20033.3	6227.7	1974.3	1045.2	914.6	943.6	856.5	725.8
62.5°	26551.4	26551.4	25709.4	19423.6	5676.1	1814.6	987.1	856.5	827.5	798.4	682.3
65°	26478.8	26362.7	25114.2	17652.5	5037.4	1713.0	929.1	783.9	740.4	725.8	638.7
67.5°	25259.4	25056.2	23357.7	15155.6	4369.6	1669.4	871.0	711.3	682.3	653.3	580.7
70°	22675.4	22152.8	20062.3	12194.2	3716.3	1640.4	856.5	653.3	624.2	595.2	537.1
72.5°	18930.0	18262.3	15663.7	9377.9	3121.1	1538.8	812.9	580.7	566.2	537.1	479.1
75°	14444.3	13210.4	10931.2	7171.3	2424.3	1335.6	696.8	508.1	508.1	493.6	435.5
77.5°	9958.6	9319.8	7621.4	5298.7	1771.1	1030.7	566.2	450.0	450.0	464.5	406.5
80°	7040.7	6445.5	5429.3	3803.4	1117.8	696.8	435.5	377.4	421.0	450.0	377.4
82.5°	5385.8	4950.3	4035.7	2772.7	653.3	479.1	333.9	304.9	362.9	392.0	319.4
85°	3745.4	3222.8	2046.9	1858.2	377.4	290.3	246.8	246.8	319.4	392.0	290.3
87.5°	1059.7	450.0	130.7	551.6	159.7	116.1	87.1	58.1	87.1	87.1	58.1
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°	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1
2.5°	9000.5	8913.4	8913.4	8884.3	8898.9	8913.4	8898.9	9000.5	9044.0	9102.1	9218.2
5°	6910.0	7026.2	6939.1	7026.2	7142.3	7316.5	7360.1	7490.7	7505.2	7606.9	7548.8
7.5°	5124.5	5109.9	5037.4	5139.0	5458.4	5705.1	5821.3	5893.9	5908.4	5908.4	5835.8
10°	4340.6	4209.9	4079.2	4006.7	4035.7	4297.0	4384.1	4427.7	4398.6	4442.2	4384.1
12.5°	3716.3	3600.2	3411.5	3280.8	3193.7	3266.3	3353.4	3397.0	3426.0	3498.6	3556.6
15°	3019.5	2903.4	2787.2	2714.7	2642.1	2584.0	2656.6	2700.1	2772.7	2830.8	2859.8
17.5°	2293.7	2235.6	2177.5	2221.1	2221.1	2192.1	2221.1	2235.6	2264.6	2308.2	2293.7
20°	1858.2	1843.6	1829.1	1901.7	1959.8	1959.8	1988.8	1945.3	1930.7	1887.2	1872.7
22.5°	1654.9	1654.9	1669.4	1727.5	1785.6	1814.6	1814.6	1742.0	1669.4	1640.4	1654.9
25°	1538.8	1538.8	1582.3	1596.9	1625.9	1625.9	1640.4	1567.8	1524.3	1480.7	1495.2
27.5°	1451.7	1451.7	1466.2	1466.2	1480.7	1480.7	1495.2	1466.2	1408.1	1393.6	1393.6
30°	1393.6	1393.6	1379.1	1379.1	1379.1	1379.1	1393.6	1350.1	1321.0	1306.5	1306.5
32.5°	1335.6	1321.0	1306.5	1306.5	1292.0	1292.0	1306.5	1263.0	1248.5	1248.5	1248.5
35°	1161.4	1146.8	1161.4	1190.4	1190.4	1204.9	1204.9	1190.4	1161.4	1132.3	1117.8
37.5°	1088.8	1074.3	1074.3	1074.3	1103.3	1117.8	1132.3	1103.3	1059.7	1016.2	1016.2
40°	1030.7	1030.7	1016.2	1016.2	1016.2	1045.2	1074.3	1030.7	972.6	958.1	958.1
42.5°	987.1	972.6	958.1	943.6	929.1	972.6	1001.7	943.6	914.6	914.6	914.6
45°	943.6	929.1	914.6	900.0	885.5	900.0	929.1	871.0	856.5	856.5	856.5
47.5°	900.0	885.5	856.5	842.0	827.5	827.5	856.5	812.9	798.4	812.9	812.9
50°	871.0	842.0	812.9	798.4	783.9	783.9	783.9	769.4	769.4	769.4	783.9
52.5°	842.0	812.9	769.4	754.9	740.4	740.4	740.4	740.4	725.8	740.4	754.9
55°	798.4	769.4	740.4	725.8	711.3	696.8	711.3	696.8	696.8	711.3	711.3
57.5°	740.4	711.3	682.3	682.3	667.8	667.8	682.3	667.8	667.8	682.3	682.3
60°	696.8	667.8	638.7	638.7	624.2	638.7	653.3	638.7	638.7	638.7	653.3
62.5°	638.7	624.2	595.2	595.2	595.2	595.2	609.7	595.2	609.7	609.7	609.7
65°	595.2	566.2	551.6	551.6	551.6	551.6	580.7	551.6	566.2	566.2	566.2
67.5°	551.6	522.6	508.1	508.1	508.1	508.1	537.1	508.1	522.6	537.1	522.6
70°	508.1	479.1	464.5	464.5	464.5	464.5	479.1	464.5	464.5	479.1	479.1
72.5°	450.0	435.5	421.0	421.0	406.5	421.0	435.5	421.0	421.0	421.0	421.0
75°	406.5	392.0	392.0	377.4	377.4	377.4	392.0	362.9	362.9	362.9	362.9
77.5°	377.4	348.4	348.4	348.4	333.9	348.4	333.9	304.9	304.9	304.9	304.9
80°	319.4	290.3	304.9	304.9	290.3	290.3	275.8	246.8	246.8	246.8	246.8
82.5°	261.3	232.3	246.8	246.8	246.8	246.8	217.8	203.2	188.7	174.2	174.2
85°	232.3	188.7	217.8	217.8	203.2	203.2	145.2	145.2	116.1	116.1	101.6
87.5°	43.6	29.0	58.1	72.6	72.6	87.1	58.1	72.6	43.6	29.0	29.0
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°	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1
2.5°	9203.7	9363.4	9581.1	9740.8	9987.6	10176.3	10466.7	10713.5	10945.7	11047.4	11149.0
5°	7723.0	7824.6	8158.5	8419.8	8811.8	9232.7	9755.4	10321.5	10902.2	11163.5	11468.3
7.5°	5777.7	5966.4	6155.2	6532.6	7011.7	7694.0	8361.7	9203.7	10016.7	10408.6	10931.2
10°	4485.7	4630.9	4848.6	5240.6	5690.6	6256.8	7055.2	8056.9	9029.5	9537.6	10074.7
12.5°	3600.2	3803.4	4093.8	4500.2	5022.8	5603.5	6184.2	7113.3	8245.6	8826.3	9436.0
15°	2917.9	3077.6	3397.0	3905.0	4514.8	5109.9	5719.7	6489.1	7723.0	8390.8	9116.6
17.5°	2322.7	2438.8	2729.2	3237.3	3847.0	4514.8	5211.6	6184.2	7548.8	8361.7	9218.2
20°	1887.2	1974.3	2163.0	2540.5	3121.1	3847.0	4718.0	5893.9	7650.4	8695.6	9740.8
22.5°	1654.9	1684.0	1771.1	1974.3	2453.4	3222.8	4268.0	5647.1	7839.1	9189.2	10597.3
25°	1495.2	1524.3	1553.3	1684.0	1959.8	2685.6	3876.0	5501.9	8245.6	9915.0	11584.5
27.5°	1393.6	1422.7	1437.2	1495.2	1684.0	2293.7	3542.1	5414.8	8797.2	10974.8	12803.9
30°	1306.5	1306.5	1350.1	1437.2	1567.8	2017.8	3251.8	5211.6	9377.9	11860.3	13762.0
32.5°	1233.9	1248.5	1306.5	1350.1	1437.2	1785.6	2961.4	4950.3	9900.5	12586.1	14705.6
35°	1103.3	1103.3	1117.8	1190.4	1306.5	1596.9	2700.1	4689.0	10190.9	13297.5	15547.6
37.5°	1016.2	1030.7	1059.7	1117.8	1219.4	1466.2	2482.4	4398.6	10495.7	13965.3	16534.7
40°	958.1	972.6	1001.7	1059.7	1161.4	1350.1	2293.7	4166.3	10815.1	14691.1	17594.5
42.5°	914.6	929.1	958.1	1016.2	1103.3	1321.0	2090.4	3977.6	11003.8	15358.9	18596.1
45°	871.0	885.5	929.1	987.1	1059.7	1292.0	1974.3	3847.0	11076.4	15808.9	19394.6
47.5°	827.5	842.0	885.5	972.6	1059.7	1248.5	1930.7	3774.4	11134.5	16317.0	20033.3
50°	783.9	812.9	871.0	958.1	1074.3	1190.4	1901.7	3759.9	11468.3	16970.2	20643.0
52.5°	754.9	798.4	856.5	958.1	1059.7	1103.3	1887.2	3803.4	12136.1	17942.9	21514.0
55°	725.8	769.4	827.5	958.1	1016.2	1030.7	1814.6	3876.0	13152.3	19292.9	22748.0
57.5°	696.8	725.8	798.4	929.1	958.1	972.6	1669.4	3977.6	14168.5	20614.0	24010.9
60°	653.3	682.3	754.9	929.1	871.0	914.6	1480.7	4006.7	14894.3	21035.0	24127.1
62.5°	609.7	638.7	711.3	958.1	798.4	856.5	1321.0	3905.0	15039.5	20425.3	23473.8
65°	566.2	595.2	653.3	798.4	740.4	798.4	1219.4	3629.2	14560.4	19031.6	22283.4
67.5°	522.6	551.6	595.2	653.3	667.8	725.8	1175.9	3193.7	13355.5	17304.1	20657.5
70°	464.5	493.6	537.1	580.7	595.2	682.3	1103.3	2772.7	11410.3	14995.9	18668.7
72.5°	421.0	435.5	479.1	508.1	537.1	624.2	1059.7	2424.3	8724.7	12136.1	15228.2
75°	362.9	362.9	406.5	435.5	464.5	551.6	972.6	2017.8	6155.2	9261.8	11192.5
77.5°	304.9	304.9	333.9	362.9	392.0	479.1	827.5	1640.4	4268.0	7345.5	8114.9
80°	232.3	232.3	261.3	290.3	319.4	406.5	667.8	1204.9	2642.1	5371.3	5908.4
82.5°	159.7	159.7	203.2	217.8	232.3	319.4	508.1	827.5	1553.3	3876.0	4224.4
85°	87.1	87.1	116.1	130.7	159.7	232.3	377.4	580.7	929.1	2801.8	2816.3
87.5°	14.5	14.5	43.6	43.6	72.6	116.1	217.8	319.4	522.6	1553.3	987.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1	10365.1
2.5°	11337.7	11497.4	11511.9	11511.9	11439.3	11453.8	11250.6	11032.8	10960.3	10945.7
5°	11932.9	12353.9	12470.0	12528.1	12339.4	12049.0	11526.4	10960.3	10669.9	10626.4
7.5°	11816.8	12658.7	13108.8	13166.8	12789.4	12107.1	11192.5	10321.5	9987.6	9900.5
10°	11134.5	12266.8	13079.7	13283.0	12876.5	12005.5	10815.1	9798.9	9392.4	9319.8
12.5°	10655.4	11744.2	12542.6	12818.4	12629.7	11874.8	10626.4	9465.0	9058.5	8956.9
15°	10394.1	11395.8	11918.4	12005.5	11991.0	11671.6	10626.4	9537.6	9087.6	8971.4
17.5°	10611.8	11294.1	11366.7	11163.5	11279.6	11439.3	10858.6	9929.6	9494.0	9392.4
20°	11047.4	11250.6	10902.2	10597.3	10655.4	11163.5	11221.6	10669.9	10321.5	10147.3
22.5°	11961.9	11410.3	10611.8	10190.9	10234.4	10945.7	11700.6	11671.6	11366.7	11279.6
25°	12891.0	11860.3	10524.7	10031.2	10089.2	10902.2	12266.8	12789.4	12629.7	12586.1
27.5°	13921.7	12615.2	10582.8	9958.6	10031.2	10960.3	12658.7	13733.0	13762.0	13718.5
30°	14618.5	12978.1	10757.0	10045.7	10147.3	11105.4	12745.8	14299.1	14560.4	14575.0
32.5°	15199.2	13341.0	11119.9	10190.9	10365.1	11366.7	12978.1	14836.3	15416.9	15431.5
35°	15663.7	13747.5	11570.0	10452.2	10713.5	11802.2	13283.0	15344.4	16215.4	16317.0
37.5°	16258.9	14197.5	12092.6	11018.3	11308.7	12426.5	13820.1	15939.5	17159.0	17434.8
40°	16897.7	14647.5	12847.4	11932.9	12353.9	13355.5	14429.8	16607.3	17957.4	18334.8
42.5°	17609.0	15126.6	13703.9	13166.8	13805.6	14531.4	15126.6	17217.0	18567.1	19002.6
45°	18305.8	15707.3	14952.4	14850.8	15562.1	15925.0	15808.9	17652.5	19147.8	19583.3
47.5°	18799.4	16549.3	16462.2	17071.9	17739.6	17550.9	16607.3	17971.9	19626.8	20105.9
50°	19249.4	17594.5	18363.9	19554.3	19960.7	19322.0	17463.8	18407.4	20134.9	20672.1
52.5°	19917.2	18712.3	20323.6	21804.4	22196.3	21180.1	18392.9	19118.7	20918.8	21397.9
55°	21281.8	19975.2	22370.5	24069.0	24141.6	22878.6	19641.4	20323.6	22022.1	22573.8
57.5°	22806.0	21528.6	23996.4	25941.7	25912.7	24577.1	21049.5	21949.5	23517.4	23894.8
60°	24185.1	23096.4	25767.5	27277.2	27204.7	25811.0	22689.9	23793.2	25230.4	25520.7
62.5°	24998.1	24519.0	26551.4	27698.2	27422.4	26217.5	24083.5	25433.6	26449.8	26551.4
65°	24867.4	25332.0	25636.8	26348.2	25956.2	25085.2	24765.8	26478.8	26580.4	26478.8
67.5°	23880.3	24867.4	23125.4	23198.0	22994.8	22254.4	23706.1	26203.0	25506.2	25259.4
70°	22385.0	22457.6	19336.5	18421.9	18741.3	17725.1	20338.2	24054.5	22980.2	22675.4
72.5°	19902.7	19002.6	14618.5	13689.4	14168.5	13442.6	16317.0	20962.4	19917.2	18930.0
75°	16694.4	15054.0	11134.5	9813.4	10060.2	10031.2	12644.2	17318.7	15431.5	14444.3
77.5°	12934.6	11729.6	8216.6	7708.5	7447.2	7505.2	8826.3	12876.5	11192.5	9958.6
80°	9450.5	8202.0	6358.4	6648.7	6503.6	6155.2	6184.2	8623.0	7781.1	7040.7
82.5°	6532.6	5835.8	5153.5	5821.3	5472.9	4935.7	4819.6	6213.2	5835.8	5385.8
85°	4384.1	4805.1	4093.8	4456.7	3861.5	3556.6	4529.3	5197.0	4195.4	3745.4
87.5°	2859.8	4398.6	2946.9	2235.6	1277.5	1713.0	2772.7	3411.5	1959.8	1059.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)