

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: P598715

Luminaire Tested: **IFLD-S-SA6C-740-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P598715
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6C-740-U-SLR
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens
 Light Source: (96) 4000K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

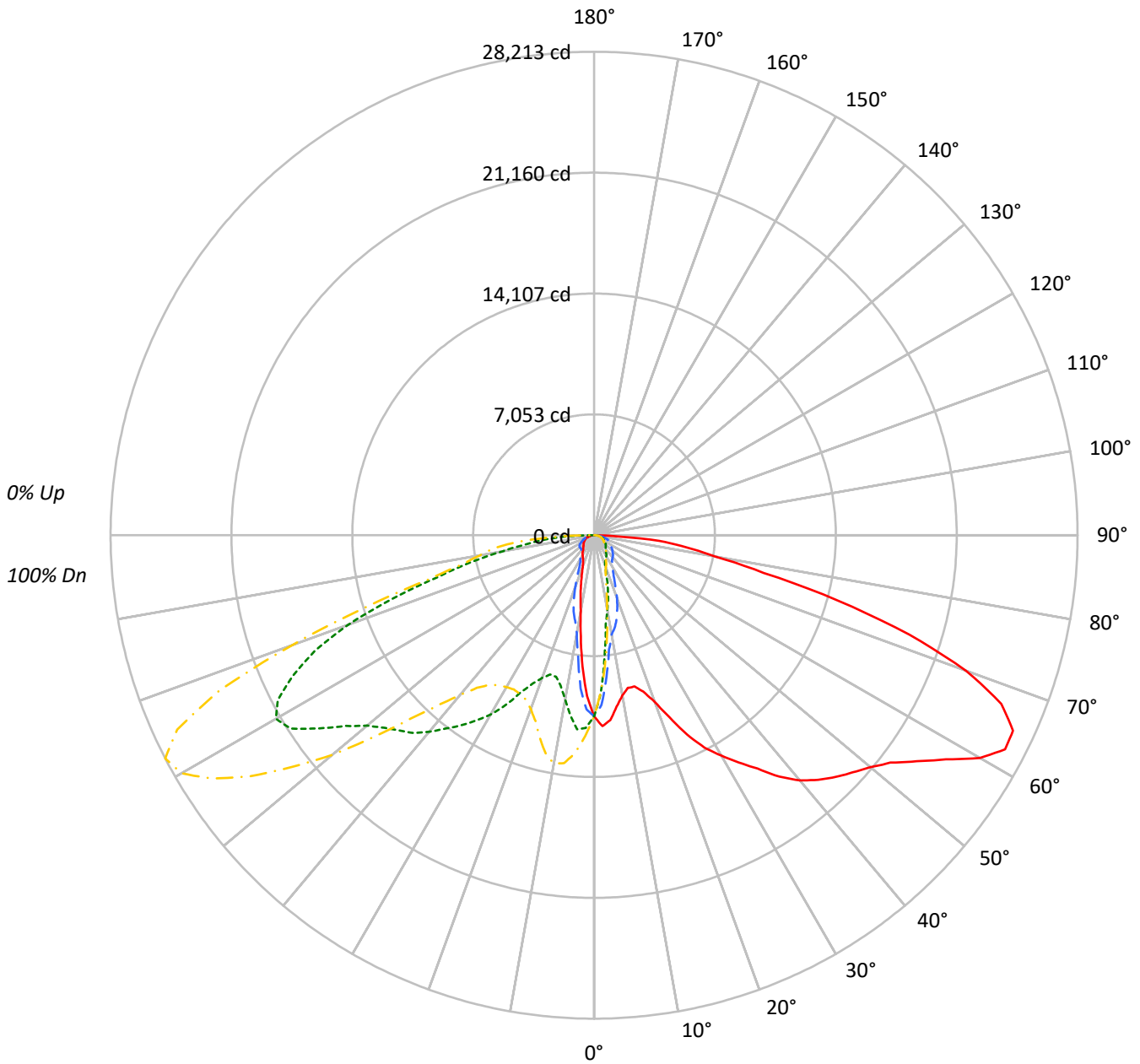
Lumens per Lamp: N/A
 Luminaire Lumens: 35343.1 lumens
 Efficiency: N/A
 Efficacy: 109.9 lumens/watt
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

Input Watts (W): 321.5
 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			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°	75761	75761	75761	75761
5°	77968	50700	55387	81909
10°	69172	32216	32539	70788
15°	67888	22849	21641	63493
20°	78929	14454	14567	67638
25°	101506	12410	12059	79963
30°	123012	11762	11027	100101
35°	145596	10362	9974	118653
40°	174943	9834	9142	140176
45°	202429	9754	8853	163414
50°	235066	9905	8914	192972
55°	287664	10175	9064	245856
60°	373074	10187	9550	307501
65°	457955	10295	9792	329155
70°	484593	10858	10239	320475
75°	407920	11478	10250	261559
80°	296359	13443	10389	226087
85°	314099	19480	8522	234967

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	817.1	2.3
10°-20°	1710.0	4.8
20°-30°	2464.3	7.0
30°-40°	3547.6	10.0
40°-50°	5039.1	14.3
50°-60°	7244.9	20.5
60°-70°	8370.2	23.7
70°-80°	4739.4	13.4
80°-90°	1410.5	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°	4991.4	14.1
0°-40°	8539.0	24.2
0°-60°	20823.0	58.9
0°-90°	35343.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35343.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10558	10558	10558	10558	10558	
5°	10824	7038	7689	11371	10824	982
15°	9138	3076	2913	8547	9138	2687
25°	12820	1567	1523	10099	12820	5950
35°	16620	1183	1139	13544	16620	10548
45°	19947	961	872	16103	19947	15445
55°	22993	813	724	19651	22993	20824
65°	26971	606	577	19385	26971	25863
75°	14713	414	370	9434	14713	15611
85°	3815	237	104	2854	3815	3799
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°	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6
2.5°	11149.1	11134.3	11045.6	10764.6	10468.9	10188.0	9921.8	9640.9	9493.0	9315.6	9241.6
5°	10823.8	10794.2	10542.8	9921.8	9374.7	8783.2	8280.5	7881.3	7555.9	7230.6	7112.4
7.5°	10084.5	10040.1	9744.4	8886.7	8088.3	7319.4	6713.1	6195.6	5766.8	5574.5	5352.7
10°	9493.0	9419.1	9034.6	8088.3	7053.2	6284.3	5885.1	5530.2	5160.5	4850.0	4524.7
12.5°	9123.3	9034.6	8635.4	7526.4	6520.9	5944.2	5530.2	5130.9	4672.6	4288.1	3933.2
15°	9138.1	9034.6	8546.6	7378.5	6387.8	5648.5	5071.8	4524.7	3992.4	3563.6	3164.3
17.5°	9566.9	9433.8	8916.3	7585.5	6284.3	5264.0	4495.1	3785.4	3179.1	2720.7	2395.4
20°	10335.8	10247.1	9655.6	7896.0	6180.8	4850.0	3903.7	3046.0	2410.2	2055.3	1922.3
22.5°	11489.2	11385.7	10749.9	8369.2	6151.2	4480.3	3267.8	2395.4	1937.0	1789.2	1715.2
25°	12820.0	12627.7	12036.3	9167.7	6210.4	4140.2	2750.3	1981.4	1730.0	1626.5	1582.2
27.5°	13973.3	13855.0	13189.6	9921.8	6239.9	3874.1	2395.4	1804.0	1611.7	1523.0	1493.4
30°	14845.7	14801.4	14150.8	10749.9	6166.0	3548.8	2173.6	1730.0	1611.7	1523.0	1434.3
32.5°	15718.1	15732.9	15038.0	11385.7	6062.5	3267.8	1966.6	1537.8	1419.5	1360.4	1375.2
35°	16620.1	16694.1	16102.6	12006.7	5840.7	3164.3	1818.8	1434.3	1330.8	1242.1	1197.7
37.5°	17758.7	17950.9	17374.2	12701.7	5618.9	3075.6	1744.8	1360.4	1256.9	1182.9	1123.8
40°	18675.5	19030.3	18690.3	13352.3	5471.0	2972.1	1685.7	1286.4	1212.5	1123.8	1079.4
42.5°	19355.6	19769.7	19651.4	13855.0	5471.0	2868.6	1626.5	1242.1	1182.9	1079.4	1020.3
45°	19947.1	20375.9	20361.1	14372.6	5589.3	2809.5	1552.6	1242.1	1153.4	1049.8	990.7
47.5°	20479.4	20908.2	21056.1	15023.2	5781.6	2779.9	1463.9	1212.5	1153.4	1035.1	946.3
50°	21056.1	21529.3	21972.9	16058.2	6018.1	2705.9	1404.7	1168.1	1168.1	1020.3	916.8
52.5°	21795.4	22327.8	23141.0	17344.7	6254.7	2572.9	1316.0	1138.6	1168.1	1005.5	887.2
55°	22993.1	23436.7	24501.4	18882.5	6550.5	2410.2	1242.1	1064.6	1109.0	961.1	842.8
57.5°	24338.7	24723.2	25610.4	20065.4	6639.2	2203.2	1138.6	990.7	1064.6	916.8	783.7
60°	25994.8	26187.1	26187.1	20405.5	6343.4	2011.0	1064.6	931.6	961.1	872.4	739.3
62.5°	27044.7	27044.7	26187.1	19784.5	5781.6	1848.3	1005.5	872.4	842.8	813.3	695.0
65°	26970.7	26852.5	25580.8	17980.5	5130.9	1744.8	946.3	798.5	754.1	739.3	650.6
67.5°	25728.7	25521.7	23791.6	15437.2	4450.8	1700.5	887.2	724.5	695.0	665.4	591.5
70°	23096.7	22564.3	20435.1	12420.7	3785.4	1670.9	872.4	665.4	635.8	606.3	547.1
72.5°	19281.7	18601.5	15954.7	9552.1	3179.1	1567.4	828.0	591.5	576.7	547.1	488.0
75°	14712.7	13455.8	11134.3	7304.6	2469.4	1360.4	709.8	517.5	517.5	502.7	443.6
77.5°	10143.6	9493.0	7763.0	5397.1	1804.0	1049.8	576.7	458.4	458.4	473.2	414.0
80°	7171.5	6565.2	5530.2	3874.1	1138.6	709.8	443.6	384.5	428.8	458.4	384.5
82.5°	5485.8	5042.2	4110.7	2824.2	665.4	488.0	340.1	310.5	369.7	399.2	325.3
85°	3814.9	3282.6	2084.9	1892.7	384.5	295.7	251.4	251.4	325.3	399.2	295.7
87.5°	1079.4	458.4	133.1	561.9	162.7	118.3	88.7	59.1	88.7	88.7	59.1
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°	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6
2.5°	9167.7	9079.0	9079.0	9049.4	9064.2	9079.0	9064.2	9167.7	9212.0	9271.2	9389.5
5°	7038.4	7156.7	7068.0	7156.7	7275.0	7452.4	7496.8	7629.9	7644.7	7748.2	7689.0
7.5°	5219.7	5204.9	5130.9	5234.5	5559.8	5811.1	5929.4	6003.4	6018.1	6018.1	5944.2
10°	4421.2	4288.1	4155.0	4081.1	4110.7	4376.8	4465.6	4509.9	4480.3	4524.7	4465.6
12.5°	3785.4	3667.1	3474.8	3341.8	3253.1	3327.0	3415.7	3460.1	3489.6	3563.6	3622.7
15°	3075.6	2957.3	2839.0	2765.1	2691.2	2632.0	2705.9	2750.3	2824.2	2883.4	2913.0
17.5°	2336.3	2277.1	2218.0	2262.3	2262.3	2232.8	2262.3	2277.1	2306.7	2351.1	2336.3
20°	1892.7	1877.9	1863.1	1937.0	1996.2	1996.2	2025.8	1981.4	1966.6	1922.3	1907.5
22.5°	1685.7	1685.7	1700.5	1759.6	1818.8	1848.3	1848.3	1774.4	1700.5	1670.9	1685.7
25°	1567.4	1567.4	1611.7	1626.5	1656.1	1656.1	1670.9	1597.0	1552.6	1508.2	1523.0
27.5°	1478.7	1478.7	1493.4	1493.4	1508.2	1508.2	1523.0	1493.4	1434.3	1419.5	1419.5
30°	1419.5	1419.5	1404.7	1404.7	1404.7	1404.7	1419.5	1375.2	1345.6	1330.8	1330.8
32.5°	1360.4	1345.6	1330.8	1330.8	1316.0	1316.0	1330.8	1286.4	1271.6	1271.6	1271.6
35°	1182.9	1168.1	1182.9	1212.5	1212.5	1227.3	1227.3	1212.5	1182.9	1153.4	1138.6
37.5°	1109.0	1094.2	1094.2	1094.2	1123.8	1138.6	1153.4	1123.8	1079.4	1035.1	1035.1
40°	1049.8	1049.8	1035.1	1035.1	1035.1	1064.6	1094.2	1049.8	990.7	975.9	975.9
42.5°	1005.5	990.7	975.9	961.1	946.3	990.7	1020.3	961.1	931.6	931.6	931.6
45°	961.1	946.3	931.6	916.8	902.0	916.8	946.3	887.2	872.4	872.4	872.4
47.5°	916.8	902.0	872.4	857.6	842.8	842.8	872.4	828.0	813.3	828.0	828.0
50°	887.2	857.6	828.0	813.3	798.5	798.5	798.5	783.7	783.7	783.7	798.5
52.5°	857.6	828.0	783.7	768.9	754.1	754.1	754.1	754.1	739.3	754.1	768.9
55°	813.3	783.7	754.1	739.3	724.5	709.8	724.5	709.8	709.8	724.5	724.5
57.5°	754.1	724.5	695.0	695.0	680.2	680.2	695.0	680.2	680.2	695.0	695.0
60°	709.8	680.2	650.6	650.6	635.8	650.6	665.4	650.6	650.6	650.6	665.4
62.5°	650.6	635.8	606.3	606.3	606.3	606.3	621.0	606.3	621.0	621.0	621.0
65°	606.3	576.7	561.9	561.9	561.9	561.9	591.5	561.9	576.7	576.7	576.7
67.5°	561.9	532.3	517.5	517.5	517.5	517.5	547.1	517.5	532.3	547.1	532.3
70°	517.5	488.0	473.2	473.2	473.2	473.2	488.0	473.2	473.2	488.0	488.0
72.5°	458.4	443.6	428.8	428.8	414.0	428.8	443.6	428.8	428.8	428.8	428.8
75°	414.0	399.2	399.2	384.5	384.5	384.5	399.2	369.7	369.7	369.7	369.7
77.5°	384.5	354.9	354.9	354.9	340.1	354.9	340.1	310.5	310.5	310.5	310.5
80°	325.3	295.7	310.5	310.5	295.7	295.7	280.9	251.4	251.4	251.4	251.4
82.5°	266.2	236.6	251.4	251.4	251.4	251.4	221.8	207.0	192.2	177.4	177.4
85°	236.6	192.2	221.8	221.8	207.0	207.0	147.9	147.9	118.3	118.3	103.5
87.5°	44.4	29.6	59.1	73.9	73.9	88.7	59.1	73.9	44.4	29.6	29.6
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°	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6
2.5°	9374.7	9537.4	9759.2	9921.8	10173.2	10365.4	10661.1	10912.5	11149.1	11252.6	11356.1
5°	7866.5	7970.0	8310.1	8576.2	8975.5	9404.3	9936.6	10513.3	11104.7	11370.9	11681.4
7.5°	5885.1	6077.3	6269.5	6654.0	7141.9	7836.9	8517.1	9374.7	10202.7	10602.0	11134.3
10°	4569.1	4716.9	4938.7	5338.0	5796.3	6373.0	7186.3	8206.6	9197.3	9714.8	10261.9
12.5°	3667.1	3874.1	4169.8	4583.8	5116.2	5707.6	6299.1	7245.4	8398.8	8990.2	9611.3
15°	2972.1	3134.8	3460.1	3977.6	4598.6	5204.9	5825.9	6609.6	7866.5	8546.6	9286.0
17.5°	2365.9	2484.1	2779.9	3297.4	3918.4	4598.6	5308.4	6299.1	7689.0	8517.1	9389.5
20°	1922.3	2011.0	2203.2	2587.7	3179.1	3918.4	4805.6	6003.4	7792.5	8857.2	9921.8
22.5°	1685.7	1715.2	1804.0	2011.0	2498.9	3282.6	4347.3	5752.0	7984.8	9359.9	10794.2
25°	1523.0	1552.6	1582.2	1715.2	1996.2	2735.5	3948.0	5604.1	8398.8	10099.2	11799.7
27.5°	1419.5	1449.1	1463.9	1523.0	1715.2	2336.3	3607.9	5515.4	8960.7	11178.7	13041.8
30°	1330.8	1330.8	1375.2	1463.9	1597.0	2055.3	3312.2	5308.4	9552.1	12080.6	14017.7
32.5°	1256.9	1271.6	1330.8	1375.2	1463.9	1818.8	3016.5	5042.2	10084.5	12820.0	14978.8
35°	1123.8	1123.8	1138.6	1212.5	1330.8	1626.5	2750.3	4776.1	10380.2	13544.5	15836.4
37.5°	1035.1	1049.8	1079.4	1138.6	1242.1	1493.4	2528.5	4480.3	10690.7	14224.7	16841.9
40°	975.9	990.7	1020.3	1079.4	1182.9	1375.2	2336.3	4243.8	11016.0	14964.0	17921.3
42.5°	931.6	946.3	975.9	1035.1	1123.8	1345.6	2129.3	4051.5	11208.2	15644.2	18941.6
45°	887.2	902.0	946.3	1005.5	1079.4	1316.0	2011.0	3918.4	11282.2	16102.6	19754.9
47.5°	842.8	857.6	902.0	990.7	1079.4	1271.6	1966.6	3844.5	11341.3	16620.1	20405.5
50°	798.5	828.0	887.2	975.9	1094.2	1212.5	1937.0	3829.7	11681.4	17285.5	21026.5
52.5°	768.9	813.3	872.4	975.9	1079.4	1123.8	1922.3	3874.1	12361.6	18276.2	21913.7
55°	739.3	783.7	842.8	975.9	1035.1	1049.8	1848.3	3948.0	13396.7	19651.4	23170.6
57.5°	709.8	739.3	813.3	946.3	975.9	990.7	1700.5	4051.5	14431.7	20997.0	24457.0
60°	665.4	695.0	768.9	946.3	887.2	931.6	1508.2	4081.1	15171.0	21425.8	24575.3
62.5°	621.0	650.6	724.5	975.9	813.3	872.4	1345.6	3977.6	15318.9	20804.7	23909.9
65°	576.7	606.3	665.4	813.3	754.1	813.3	1242.1	3696.6	14831.0	19385.2	22697.4
67.5°	532.3	561.9	606.3	665.4	680.2	739.3	1197.7	3253.1	13603.7	17625.6	21041.3
70°	473.2	502.7	547.1	591.5	606.3	695.0	1123.8	2824.2	11622.3	15274.5	19015.6
72.5°	428.8	443.6	488.0	517.5	547.1	635.8	1079.4	2469.4	8886.7	12361.6	15511.1
75°	369.7	369.7	414.0	443.6	473.2	561.9	990.7	2055.3	6269.5	9433.8	11400.5
77.5°	310.5	310.5	340.1	369.7	399.2	488.0	842.8	1670.9	4347.3	7482.0	8265.7
80°	236.6	236.6	266.2	295.7	325.3	414.0	680.2	1227.3	2691.2	5471.0	6018.1
82.5°	162.7	162.7	207.0	221.8	236.6	325.3	517.5	842.8	1582.2	3948.0	4302.9
85°	88.7	88.7	118.3	133.1	162.7	236.6	384.5	591.5	946.3	2853.8	2868.6
87.5°	14.8	14.8	44.4	44.4	73.9	118.3	221.8	325.3	532.3	1582.2	1005.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6	10557.6
2.5°	11548.3	11711.0	11725.8	11725.8	11651.8	11666.6	11459.6	11237.8	11163.9	11149.1
5°	12154.6	12583.4	12701.7	12760.8	12568.6	12272.9	11740.6	11163.9	10868.1	10823.8
7.5°	12036.3	12893.9	13352.3	13411.4	13027.0	12332.0	11400.5	10513.3	10173.2	10084.5
10°	11341.3	12494.7	13322.7	13529.7	13115.7	12228.5	11016.0	9980.9	9566.9	9493.0
12.5°	10853.4	11962.4	12775.6	13056.6	12864.3	12095.4	10823.8	9640.9	9226.8	9123.3
15°	10587.2	11607.5	12139.8	12228.5	12213.7	11888.4	10823.8	9714.8	9256.4	9138.1
17.5°	10809.0	11504.0	11577.9	11370.9	11489.2	11651.8	11060.4	10114.0	9670.4	9566.9
20°	11252.6	11459.6	11104.7	10794.2	10853.4	11370.9	11430.0	10868.1	10513.3	10335.8
22.5°	12184.2	11622.3	10809.0	10380.2	10424.5	11149.1	11918.0	11888.4	11577.9	11489.2
25°	13130.5	12080.6	10720.3	10217.5	10276.7	11104.7	12494.7	13027.0	12864.3	12820.0
27.5°	14180.3	12849.5	10779.4	10143.6	10217.5	11163.9	12893.9	13988.1	14017.7	13973.3
30°	14890.1	13219.2	10956.9	10232.3	10335.8	11311.7	12982.6	14564.8	14831.0	14845.7
32.5°	15481.6	13588.9	11326.5	10380.2	10557.6	11577.9	13219.2	15111.9	15703.4	15718.1
35°	15954.7	14002.9	11784.9	10646.3	10912.5	12021.5	13529.7	15629.4	16516.6	16620.1
37.5°	16561.0	14461.3	12317.2	11223.0	11518.8	12657.3	14076.8	16235.7	17477.8	17758.7
40°	17211.6	14919.7	13086.1	12154.6	12583.4	13603.7	14697.9	16915.9	18291.0	18675.5
42.5°	17936.1	15407.6	13958.5	13411.4	14062.0	14801.4	15407.6	17536.9	18912.1	19355.6
45°	18645.9	15999.1	15230.2	15126.7	15851.2	16220.9	16102.6	17980.5	19503.5	19947.1
47.5°	19148.6	16856.7	16768.0	17389.0	18069.2	17877.0	16915.9	18305.8	19991.5	20479.4
50°	19607.0	17921.3	18705.0	19917.5	20331.6	19681.0	17788.3	18749.4	20509.0	21056.1
52.5°	20287.2	19059.9	20701.2	22209.5	22608.7	21573.6	18734.6	19473.9	21307.5	21795.4
55°	21677.1	20346.3	22786.1	24516.2	24590.1	23303.7	20006.3	20701.2	22431.3	22993.1
57.5°	23229.7	21928.5	24442.2	26423.6	26394.1	25033.7	21440.6	22357.3	23954.3	24338.7
60°	24634.5	23525.5	26246.2	27784.0	27710.1	26290.6	23111.4	24235.2	25699.1	25994.8
62.5°	25462.5	24974.6	27044.7	28212.8	27931.9	26704.6	24531.0	25906.1	26941.2	27044.7
65°	25329.4	25802.6	26113.1	26837.7	26438.4	25551.2	25225.9	26970.7	27074.2	26970.7
67.5°	24323.9	25329.4	23555.0	23629.0	23422.0	22667.8	24146.5	26689.8	25980.0	25728.7
70°	22800.9	22874.9	19695.7	18764.2	19089.5	18054.4	20716.0	24501.4	23407.2	23096.7
72.5°	20272.4	19355.6	14890.1	13943.8	14431.7	13692.4	16620.1	21351.8	20287.2	19281.7
75°	17004.6	15333.7	11341.3	9995.7	10247.1	10217.5	12879.1	17640.4	15718.1	14712.7
77.5°	13174.9	11947.6	8369.2	7851.7	7585.5	7644.7	8990.2	13115.7	11400.5	10143.6
80°	9626.1	8354.4	6476.5	6772.3	6624.4	6269.5	6299.1	8783.2	7925.6	7171.5
82.5°	6654.0	5944.2	5249.2	5929.4	5574.5	5027.4	4909.1	6328.7	5944.2	5485.8
85°	4465.6	4894.4	4169.8	4539.5	3933.2	3622.7	4613.4	5293.6	4273.3	3814.9
87.5°	2913.0	4480.3	3001.7	2277.1	1301.2	1744.8	2824.2	3474.8	1996.2	1079.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)