

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: 17914

Luminaire Tested: **E2W-WB-2T8**

Issue Date: 3/3/2020

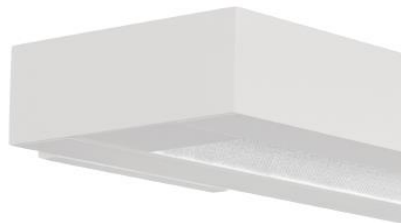
**Test Information**

Test Method: LM-41-14  
Report Number: 17914  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: E2W-WB-2T8  
Description: DIRECT/INDIRECT WALL LUMINAIRE - ELEMENT WALL  
WITH WHITE INTERIOR AND 19 CELL SEMI-SPECULAR LOUVER BLADE  
  
Light Source: TWO PHILIPS 32 WATT T8 LAMPS  
  
F32T8/TL841. LUMEN RATING = 3000 LMS.  
  
Ballast/Driver: -

**Summary**

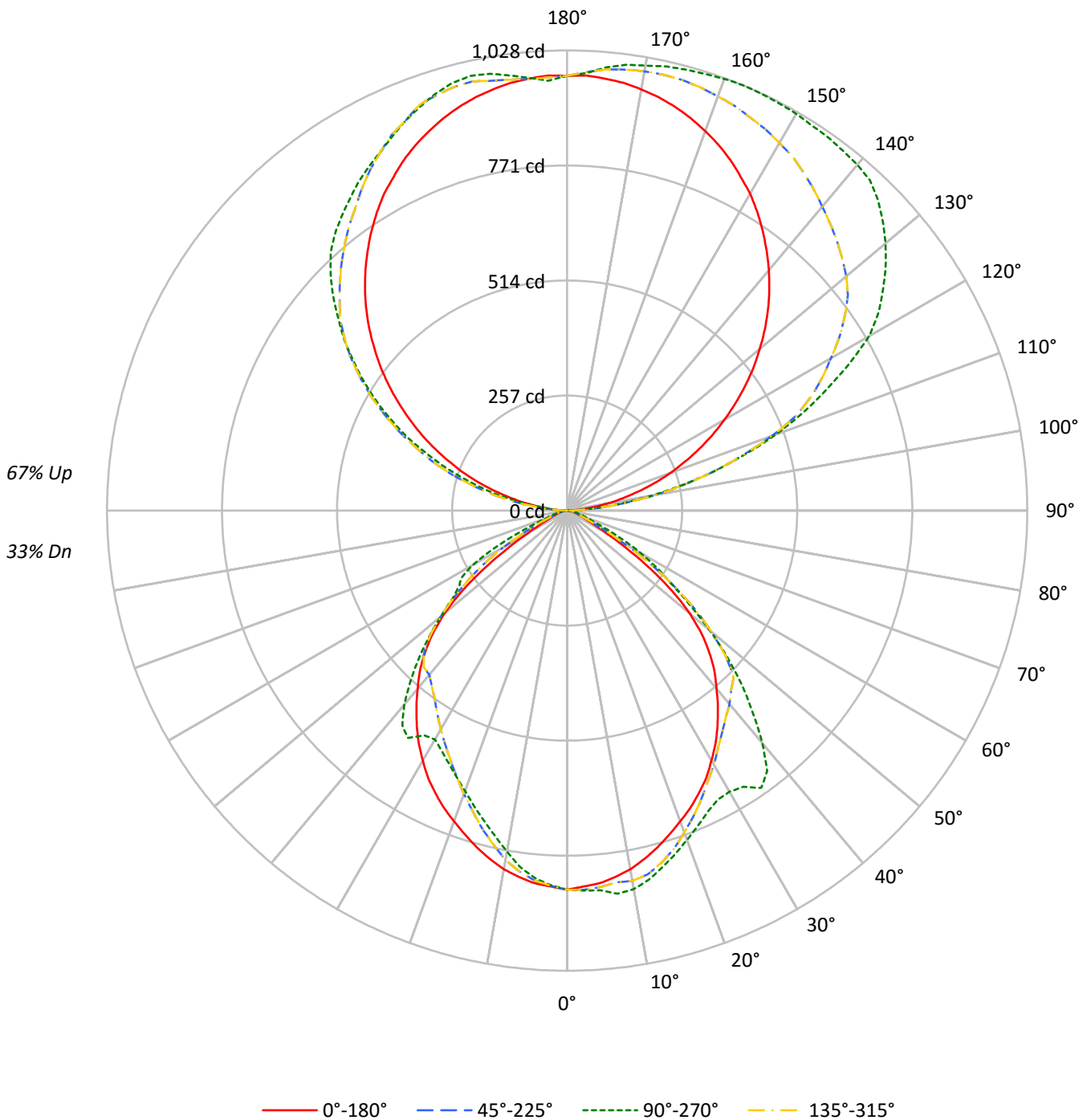
Lumens per Lamp: 3000 (2 lamps)  
Luminaire Lumens: 5071.1 lumens  
Efficiency: 84.5%  
Efficacy: 81.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.17 / 1.27  
Luminous Opening: Rectangular (W 0.22' x L: 3.59' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



TEST NUMBER: 17914  
CATALOG NUMBER: E2W-WB-2T8

### 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	87	87	87	87	79	79	79	79	63	63	63	48	48	48	34	34	34	28				
1	80	77	74	71	72	69	67	65	56	54	53	43	42	41	31	31	30	25				
2	73	68	63	59	66	61	57	54	49	47	44	38	37	35	28	27	26	22				
3	67	60	54	50	61	54	50	46	44	41	38	34	32	30	26	24	23	19				
4	62	53	47	42	56	48	43	39	39	36	33	31	28	26	23	22	20	17				
5	57	48	41	36	51	43	38	34	35	31	28	28	25	23	21	19	18	15				
6	52	43	36	32	47	39	33	29	32	28	25	25	22	20	19	17	16	13				
7	48	39	32	28	44	35	30	26	29	25	22	23	20	18	17	16	14	12				
8	45	35	29	24	40	32	27	23	26	22	19	21	18	16	16	14	13	11				
9	42	32	26	22	38	29	24	20	24	20	17	19	16	14	15	13	12	10				
10	39	29	23	19	35	27	22	18	22	18	16	18	15	13	14	12	10	9				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11542	11542	11542	11542
5°	11432	11646	11432	11274
10°	11257	11885	11257	10703
15°	10990	11628	10990	10119
20°	10712	11350	10712	9666
25°	10474	11168	10474	9383
30°	10147	11416	10147	9290
35°	9741	12583	9741	10320
40°	9239	12069	9239	10071
45°	8662	10662	8662	9055
50°	7580	8793	7580	7811
55°	5406	6684	5406	6990
60°	2778	5152	2778	6656
65°	1503	2938	1503	4076
70°	1140	1825	1140	2000
75°	853	1406	853	1353
80°	777	1381	777	1107
85°	844	1470	844	923



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	79.1	1.6	1.3
10°-20°	217.7	4.3	3.6
20°-30°	312.3	6.2	5.2
30°-40°	372.0	7.3	6.2
40°-50°	361.3	7.1	6.0
50°-60°	235.9	4.7	3.9
60°-70°	79.2	1.6	1.3
70°-80°	23.5	0.5	0.4
80°-90°	7.8	0.2	0.1
90°-100°	68.5	1.4	1.1
100°-110°	281.0	5.5	4.7
110°-120°	481.4	9.5	8.0
120°-130°	590.0	11.6	9.8
130°-140°	606.9	12.0	10.1
140°-150°	547.5	10.8	9.1
150°-160°	435.1	8.6	7.3
160°-170°	278.2	5.5	4.6
170°-180°	93.6	1.8	1.6
0°-30°	609.2	12.0	10.2
0°-40°	981.2	19.3	16.4
0°-60°	1578.4	31.1	26.3
0°-90°	1689.0	33.3	28.1
90°-120°	830.9	16.4	13.8
90°-150°	2575.3	50.8	42.9
90°-180°	3382.0	66.7	56.4
0°-180°	5071.1	100.0	84.5

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	847	847	847	847	847	
5°	836	851	836	824	836	79
15°	779	824	779	717	779	219
25°	696	743	696	624	696	320
35°	586	756	586	620	586	366
45°	449	553	449	470	449	344
55°	228	281	228	294	228	202
65°	47	91	47	126	47	53
75°	16	27	16	26	16	19
85°	5	9	5	6	5	5
90°	0	0	0	0	0	2
95°	31	68	31	32	31	39
105°	164	340	164	199	164	175
115°	325	639	325	400	325	322
125°	485	862	485	583	485	434
135°	634	982	634	747	634	489
145°	762	1017	762	848	762	477
155°	864	1027	864	923	864	398
165°	934	1020	934	989	934	263
175°	969	994	969	970	969	92
180°	971	971	971	971	971	



TEST NUMBER: 17914  
 CATALOG NUMBER: E2W-WB-2T8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	846.9	846.9	846.9	846.9	846.9	846.9	846.9	846.9	846.9	846.9	846.9
2.5°	840.6	847.9	847.9	850.6	849.6	850.6	847.9	847.9	840.6	840.5	838.7
5°	835.6	843.2	844.2	848.6	851.3	848.6	844.2	843.2	835.6	830.6	829.6
7.5°	825.6	835.0	837.7	854.1	863.2	854.1	837.7	835.0	825.6	817.0	813.5
10°	813.4	823.4	839.7	858.8	858.8	858.8	839.7	823.4	813.4	801.6	792.5
12.5°	797.5	808.8	832.3	852.3	844.2	852.3	832.3	808.8	797.5	779.8	763.5
15°	778.9	790.7	814.2	831.6	824.1	831.6	814.2	790.7	778.9	752.6	734.6
17.5°	758.9	780.8	792.5	813.5	804.3	813.5	792.5	780.8	758.9	728.1	702.9
20°	738.6	764.5	765.2	785.3	782.6	785.3	765.2	764.5	738.6	700.2	673.7
22.5°	719.1	746.2	738.0	759.8	762.5	759.8	738.0	746.2	719.1	672.0	644.0
25°	696.5	726.4	710.1	735.3	742.7	735.3	710.1	726.4	696.5	642.0	615.8
27.5°	673.0	701.9	681.1	711.1	728.1	711.1	681.1	701.9	673.0	610.4	589.6
30°	644.8	674.7	655.6	692.8	725.4	692.8	655.6	674.7	644.8	581.4	564.1
32.5°	617.2	644.8	627.7	681.1	731.8	681.1	627.7	644.8	617.2	547.8	539.6
35°	585.5	616.8	603.9	679.1	756.3	679.1	603.9	616.8	585.5	519.8	515.1
37.5°	553.3	576.7	582.2	688.3	733.6	688.3	582.2	576.7	553.3	483.4	496.1
40°	519.3	544.3	564.1	672.0	678.4	672.0	564.1	544.3	519.3	454.5	479.0
42.5°	487.5	506.2	542.3	616.8	614.8	616.8	542.3	506.2	487.5	421.8	474.5
45°	449.4	469.1	526.0	554.2	553.2	554.2	526.0	469.1	449.4	391.2	452.8
47.5°	407.9	431.7	480.0	491.6	485.4	491.6	480.0	431.7	407.9	357.5	416.4
50°	357.5	385.7	420.1	423.6	414.7	423.6	420.1	385.7	357.5	321.4	368.4
52.5°	297.1	335.7	356.5	361.2	343.9	361.2	356.5	335.7	297.1	277.8	317.7
55°	227.5	269.7	286.0	294.2	281.3	294.2	286.0	269.7	227.5	221.7	267.7
57.5°	157.6	207.1	216.2	241.5	237.0	241.5	216.2	207.1	157.6	165.3	217.0
60°	101.9	128.2	144.5	185.3	189.0	185.3	144.5	128.2	101.9	105.6	165.3
62.5°	67.5	85.6	91.1	141.8	138.3	141.8	91.1	85.6	67.5	67.5	112.8
65°	46.6	53.0	58.4	93.8	91.1	93.8	58.4	53.0	46.6	45.8	74.7
67.5°	36.6	38.6	39.3	60.4	61.1	60.4	39.3	38.6	36.6	33.9	48.5
70°	28.6	30.4	31.2	44.0	45.8	44.0	31.2	30.4	28.6	27.7	34.9
72.5°	22.3	24.0	25.7	33.2	35.9	33.2	25.7	24.0	22.3	21.3	26.7
75°	16.2	18.6	21.3	25.7	26.7	25.7	21.3	18.6	16.2	16.8	21.3
77.5°	13.1	15.8	17.6	21.3	21.3	21.3	17.6	15.8	13.1	14.1	16.8
80°	9.9	13.1	14.1	16.8	17.6	16.8	14.1	13.1	9.9	10.4	13.1
82.5°	8.0	11.4	11.4	13.1	14.1	13.1	11.4	11.4	8.0	7.7	9.4
85°	5.4	7.7	9.4	10.4	9.4	10.4	9.4	7.7	5.4	5.9	5.9
87.5°	3.2	5.0	6.7	7.7	8.7	7.7	6.7	5.0	3.2	4.0	4.0
90°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
92.5°	10.4	42.1	24.0	41.3	18.6	41.3	24.0	42.1	10.4	6.7	16.8
95°	31.3	91.1	70.3	90.1	68.5	90.1	70.3	91.1	31.3	26.7	37.6
97.5°	59.8	158.1	129.2	152.7	123.7	152.7	129.2	158.1	59.8	63.1	79.2
100°	91.9	265.0	198.9	262.3	189.8	262.3	198.9	265.0	91.9	111.1	128.2
102.5°	127.3	299.6	267.7	299.6	263.2	299.6	267.7	299.6	127.3	130.9	172.7
105°	164.4	369.4	340.2	372.1	339.5	372.1	340.2	369.4	164.4	203.4	220.7
107.5°	204.4	442.6	411.0	449.1	415.4	449.1	411.0	442.6	204.4	253.4	271.4
110°	245.2	509.7	486.2	524.3	495.3	524.3	486.2	509.7	245.2	301.4	319.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	284.5	556.9	553.2	596.8	569.5	596.8	553.2	556.9	284.5	348.4	363.0
115°	325.3	600.5	600.5	670.2	638.6	670.2	600.5	600.5	325.3	392.9	411.0
117.5°	365.7	641.3	642.0	731.8	710.1	731.8	642.0	641.3	365.7	440.9	456.2
120°	405.1	683.8	680.1	775.4	778.9	775.4	680.1	683.8	405.1	485.4	502.5
122.5°	445.5	739.0	721.0	831.6	825.1	831.6	721.0	739.0	445.5	527.0	545.1
125°	485.3	752.6	757.1	847.9	861.5	847.9	757.1	752.6	485.3	546.0	587.6
127.5°	524.8	776.1	790.7	881.3	896.9	881.3	790.7	776.1	524.8	607.6	625.7
130°	561.5	796.2	814.2	912.2	928.5	912.2	814.2	796.2	561.5	642.0	661.1
132.5°	599.1	817.0	833.3	938.4	956.5	938.4	833.3	817.0	599.1	669.3	689.3
135°	634.5	837.7	852.3	956.5	982.0	956.5	852.3	837.7	634.5	700.2	718.2
137.5°	668.3	858.8	869.7	967.4	1001.0	967.4	869.7	858.8	668.3	727.4	746.2
140°	701.0	876.8	886.7	974.8	1008.2	974.8	886.7	876.8	701.0	756.3	773.4
142.5°	731.8	896.9	904.8	983.7	1012.7	983.7	904.8	896.9	731.8	783.6	800.6
145°	762.2	922.1	921.1	994.6	1017.4	994.6	921.1	922.1	762.2	812.5	825.1
147.5°	790.7	930.3	937.4	999.0	1019.1	999.0	937.4	930.3	790.7	825.1	853.3
150°	817.4	942.1	948.3	1004.5	1023.5	1004.5	948.3	942.1	817.4	866.9	879.5
152.5°	840.1	953.8	960.2	1009.9	1025.5	1009.9	960.2	953.8	840.1	892.2	903.1
155°	863.7	964.7	968.4	1013.6	1027.3	1013.6	968.4	964.7	863.7	915.7	926.6
157.5°	884.1	974.8	978.3	1014.6	1028.2	1014.6	978.3	974.8	884.1	939.4	942.9
160°	902.2	982.0	984.7	1014.6	1026.3	1014.6	984.7	982.0	902.2	954.8	964.7
162.5°	919.0	990.1	990.9	1013.6	1022.8	1013.6	990.9	990.1	919.0	968.4	972.8
165°	933.5	991.9	995.6	1013.6	1020.1	1013.6	995.6	991.9	933.5	973.8	979.3
167.5°	945.7	995.6	997.3	1007.2	1016.4	1007.2	997.3	995.6	945.7	975.5	982.0
170°	955.3	995.6	996.3	1005.5	1009.2	1005.5	996.3	995.6	955.3	975.5	974.8
172.5°	963.8	992.9	993.6	999.0	1004.5	999.0	993.6	992.9	963.8	970.1	971.1
175°	968.7	982.7	989.2	988.2	993.6	988.2	989.2	982.7	968.7	967.4	967.4
177.5°	972.9	976.5	980.2	975.5	978.3	975.5	980.2	976.5	972.9	966.6	968.4
180°	970.9	970.9	970.9	970.9	970.9	970.9	970.9	970.9	970.9	970.9	970.9



TEST NUMBER: 17914  
 CATALOG NUMBER: E2W-WB-2T8

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	846.9	846.9	846.9	846.9	846.9	846.9
2.5°	836.0	837.7	836.0	838.7	840.5	840.6
5°	818.7	824.1	818.7	829.6	830.6	835.6
7.5°	797.2	803.3	797.2	813.5	817.0	825.6
10°	769.9	773.4	769.9	792.5	801.6	813.4
12.5°	740.0	744.5	740.0	763.5	779.8	797.5
15°	710.1	717.2	710.1	734.6	752.6	778.9
17.5°	683.8	692.0	683.8	702.9	728.1	758.9
20°	658.4	666.5	658.4	673.7	700.2	738.6
22.5°	633.9	644.8	633.9	644.0	672.0	719.1
25°	609.4	624.0	609.4	615.8	642.0	696.5
27.5°	588.6	605.9	588.6	589.6	610.4	673.0
30°	569.5	590.3	569.5	564.1	581.4	644.8
32.5°	559.6	595.0	559.6	539.6	547.8	617.2
35°	576.7	620.3	576.7	515.1	519.8	585.5
37.5°	566.1	604.9	566.1	496.1	483.4	553.3
40°	531.4	566.1	531.4	479.0	454.5	519.3
42.5°	483.4	518.8	483.4	474.5	421.8	487.5
45°	434.5	469.8	434.5	452.8	391.2	449.4
47.5°	383.7	419.1	383.7	416.4	357.5	407.9
50°	334.8	368.4	334.8	368.4	321.4	357.5
52.5°	288.7	322.1	288.7	317.7	277.8	297.1
55°	250.6	294.2	250.6	267.7	221.7	227.5
57.5°	227.9	280.6	227.9	217.0	165.3	157.6
60°	186.3	244.2	186.3	165.3	105.6	101.9
62.5°	138.3	188.0	138.3	112.8	67.5	67.5
65°	90.1	126.4	90.1	74.7	45.8	46.6
67.5°	55.7	75.7	55.7	48.5	33.9	36.6
70°	39.3	50.2	39.3	34.9	27.7	28.6
72.5°	27.7	36.6	27.7	26.7	21.3	22.3
75°	20.3	25.7	20.3	21.3	16.8	16.2
77.5°	15.8	20.3	15.8	16.8	14.1	13.1
80°	11.4	14.1	11.4	13.1	10.4	9.9
82.5°	6.7	10.4	6.7	9.4	7.7	8.0
85°	4.0	5.9	4.0	5.9	5.9	5.4
87.5°	3.2	2.2	3.2	4.0	4.0	3.2
90°	0.5	0.5	0.5	0.5	0.5	0.5
92.5°	5.9	13.1	5.9	16.8	6.7	10.4
95°	24.0	32.2	24.0	37.6	26.7	31.3
97.5°	47.5	60.4	47.5	79.2	63.1	59.8
100°	90.1	100.9	90.1	128.2	111.1	91.9
102.5°	112.8	153.6	112.8	172.7	130.9	127.3
105°	187.0	198.9	187.0	220.7	203.4	164.4
107.5°	236.0	246.9	236.0	271.4	253.4	204.4
110°	286.8	297.6	286.8	319.4	301.4	245.2





TEST NUMBER: 17914  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	338.5	346.6	338.5	363.0	348.4	284.5
115°	388.4	400.1	388.4	411.0	392.9	325.3
117.5°	437.2	446.3	437.2	456.2	440.9	365.7
120°	480.7	494.3	480.7	502.5	485.4	405.1
122.5°	528.0	539.6	528.0	545.1	527.0	445.5
125°	547.0	583.2	547.0	587.6	546.0	485.3
127.5°	609.4	627.7	609.4	625.7	607.6	524.8
130°	655.6	667.5	655.6	661.1	642.0	561.5
132.5°	696.5	709.1	696.5	689.3	669.3	599.1
135°	733.6	747.2	733.6	718.2	700.2	634.5
137.5°	767.2	781.6	767.2	746.2	727.4	668.3
140°	790.7	807.1	790.7	773.4	756.3	701.0
142.5°	811.5	827.8	811.5	800.6	783.6	731.8
145°	832.3	847.9	832.3	825.1	812.5	762.2
147.5°	842.4	868.7	842.4	853.3	825.1	790.7
150°	872.4	886.7	872.4	879.5	866.9	817.4
152.5°	893.2	903.1	893.2	903.1	892.2	840.1
155°	913.9	923.1	913.9	926.6	915.7	863.7
157.5°	937.4	942.9	937.4	942.9	939.4	884.1
160°	955.8	960.2	955.8	964.7	954.8	902.2
162.5°	972.8	976.5	972.8	972.8	968.4	919.0
165°	985.4	989.2	985.4	979.3	973.8	933.5
167.5°	993.6	994.6	993.6	982.0	975.5	945.7
170°	992.9	990.9	992.9	974.8	975.5	955.3
172.5°	982.7	980.2	982.7	971.1	970.1	963.8
175°	972.1	970.1	972.1	967.4	967.4	968.7
177.5°	965.6	961.2	965.6	968.4	966.6	972.9
180°	970.9	970.9	970.9	970.9	970.9	970.9

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