

Scaled data based on original data using  
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact  
Fluorescent Lamps

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: SHAPER

Report Number: 253p177

Luminaire Tested: **1215-XX-26-CFL/3/32-T5C/1/22W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-66-11  
Report Number: 253p177  
Test Lab: METALUX LABORATORIES  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 1215-XX-26-CFL/3/32-T5C/1/22W  
Description: SHAPER 26 INCH 1215 SERIES DIRECT/INDIRECT INDOOR PENDANT FIXTURE  
WITH SHALLOW DIFFUSING BOWL  
Light Source: ONE - TL5C22/830 @ 1800 LUMENS AND THREE CF32DT/E/IN841 - 2400 LUMENS  
ONE 22W T5 CIRCLINE AND THREE 24W GX10 T4  
COMPACT FLUORESCENT LAMPS  
Ballast/Driver: -

**Summary**

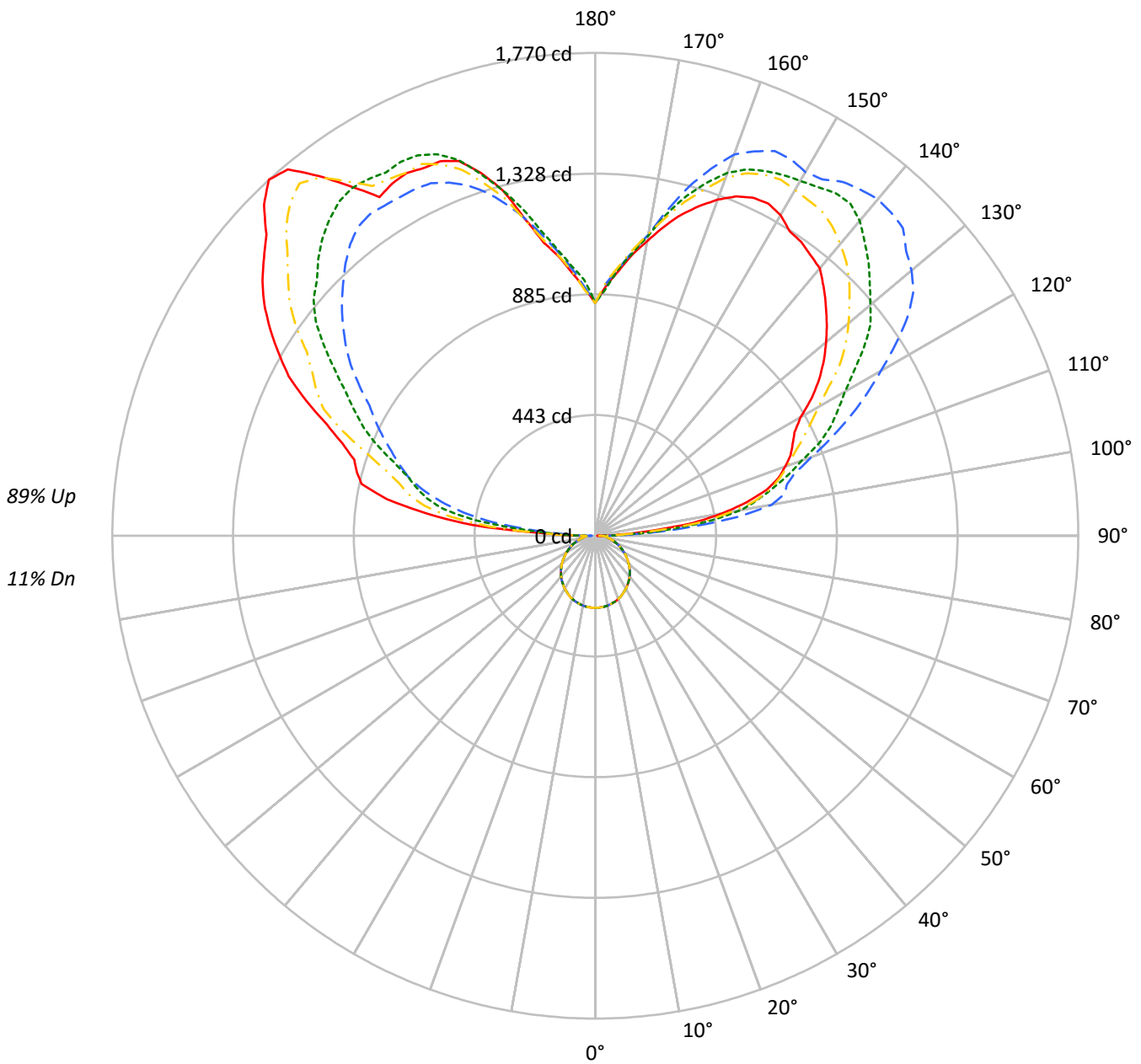
Lumens per Lamp: 11400 (1 lamp)  
Luminaire Lumens: 7123.2 lumens  
Efficiency: 62.5%  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Vertical Cylinder (Dia: 2.17' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 94  
Input Voltage (V): NR  
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

TEST NUMBER: 253p177

CATALOG NUMBER: 1215-XX-26-CFL/3/32-T5C/1/22W

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    ··· 90°-270°    - · 135°-315°



TEST NUMBER: 253p177

CATALOG NUMBER: 1215-XX-26-CFL/3/32-T5C/1/22W

**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	50	30	10	50	30	10	0																			
RCR																																														
0	61	61	61	61	53	53	53	53	39	39	39	25	25	25	13	13	13	7																												
1	56	53	51	49	48	46	44	43	34	32	31	22	21	21	11	11	11	6																												
2	51	46	43	39	44	40	37	35	29	27	26	19	18	17	10	9	9	5																												
3	46	40	36	33	40	35	32	29	26	23	21	17	15	14	9	8	7	4																												
4	42	36	31	27	36	31	27	24	23	20	18	15	13	12	8	7	6	3																												
5	38	32	27	23	33	28	24	21	20	18	15	13	12	10	7	6	5	3																												
6	35	28	23	20	31	25	21	18	18	15	13	12	10	9	6	5	5	3																												
7	32	25	21	17	28	22	18	15	16	14	12	11	9	8	6	5	4	2																												
8	30	23	18	15	26	20	16	13	15	12	10	10	8	7	5	4	4	2																												
9	28	21	16	13	24	18	14	12	13	11	9	9	7	6	5	4	3	2																												
10	26	19	15	12	22	16	13	10	12	10	8	8	7	5	4	4	3	2																												

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

	0°	90°	180°	270°
0°	771	771	771	771
5°	767	767	767	767
10°	763	763	763	763
15°	756	756	756	756
20°	748	748	748	748
25°	740	740	740	740
30°	730	730	730	730
35°	719	719	719	719
40°	708	708	708	708
45°	694	694	694	694
50°	679	679	679	679
55°	662	662	662	662
60°	641	641	641	641
65°	626	626	626	626
70°	617	617	617	617
75°	620	620	620	620
80°	643	643	643	643
85°	761	761	761	761



TEST NUMBER: 253p177

CATALOG NUMBER: 1215-XX-26-CFL/3/32-T5C/1/22W

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	25.0	0.4	0.2
10°-20°	71.7	1.0	0.6
20°-30°	108.8	1.5	1.0
30°-40°	131.5	1.8	1.2
40°-50°	137.4	1.9	1.2
50°-60°	125.8	1.8	1.1
60°-70°	101.4	1.4	0.9
70°-80°	70.9	1.0	0.6
80°-90°	41.8	0.6	0.4
90°-100°	322.6	4.5	2.8
100°-110°	745.1	10.5	6.5
110°-120°	944.4	13.3	8.3
120°-130°	1093.4	15.4	9.6
130°-140°	1115.1	15.7	9.8
140°-150°	944.6	13.3	8.3
150°-160°	680.2	9.5	6.0
160°-170°	365.7	5.1	3.2
170°-180°	97.6	1.4	0.9
0°-30°	205.6	2.9	1.8
0°-40°	337.1	4.7	3.0
0°-60°	600.3	8.4	5.3
0°-90°	814.4	11.4	7.1
90°-120°	2012.1	28.2	17.7
90°-150°	5165.2	72.5	45.3
90°-180°	6309.0	88.6	55.3
0°-180°	7123.2	100.0	62.5

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	264	264	264	264	264	
5°	263	263	263	263	263	25
15°	254	254	254	254	254	72
25°	236	236	236	236	236	109
35°	210	210	210	210	210	131
45°	178	178	178	178	178	137
55°	141	141	141	141	141	126
65°	102	102	102	102	102	101
75°	67	67	67	67	67	71
85°	38	38	38	38	38	34
90°	7	25	55	33	7	18
95°	196	274	452	278	196	227
105°	649	673	905	678	649	667
115°	798	952	1167	936	798	793
125°	1002	1201	1481	1213	1002	891
135°	1195	1416	1717	1436	1195	923
145°	1315	1534	1563	1556	1315	824
155°	1367	1475	1487	1539	1367	628
165°	1219	1289	1311	1311	1219	347
175°	974	982	966	992	974	97
180°	853	853	853	853	853	



TEST NUMBER: 253p177

CATALOG NUMBER: 1215-XX-26-CFL/3/32-T5C/1/22W

**CANDELA DISTRIBUTION (FULL):**

	0°	20°	30°	40°	60°	80°	90°	100°	120°	140°	150°
0°	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0
2.5°	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0
5°	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0
7.5°	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0
10°	260.0	260.0	260.0	260.0	260.0	260.0	260.0	260.0	260.0	260.0	260.0
12.5°	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0
15°	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0
17.5°	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0
20°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0
22.5°	242.0	242.0	242.0	242.0	242.0	242.0	242.0	242.0	242.0	242.0	242.0
25°	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0
27.5°	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0
30°	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0
32.5°	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0
35°	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0
37.5°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
40°	195.0	195.0	195.0	195.0	195.0	195.0	195.0	195.0	195.0	195.0	195.0
42.5°	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0
45°	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0
47.5°	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0
50°	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
52.5°	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
55°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
57.5°	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0
60°	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0
62.5°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
65°	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0
67.5°	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
70°	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
72.5°	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
75°	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
77.5°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
80°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
82.5°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
85°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
87.5°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
90°	7.0	14.0	33.0	40.0	55.0	33.0	25.0	16.0	7.0	14.0	33.0
92.5°	84.8	100.5	132.8	150.8	160.5	179.2	126.0	76.5	84.8	100.5	132.8
95°	196.5	249.0	277.5	287.2	452.2	368.2	274.5	228.0	196.5	249.0	277.5
97.5°	359.2	412.5	449.2	489.8	621.0	507.8	429.0	384.0	359.2	412.5	449.2
100°	471.8	522.8	566.2	616.5	776.2	590.2	541.5	495.8	471.8	522.8	566.2
102.5°	567.0	618.0	630.8	654.8	876.8	642.8	609.0	584.2	567.0	618.0	630.8
105°	648.8	672.0	678.0	667.5	905.2	690.8	672.8	658.5	648.8	672.0	678.0
107.5°	703.5	712.5	720.0	714.8	926.2	768.8	741.0	724.5	703.5	712.5	720.0
110°	740.2	751.5	784.5	795.8	984.8	863.2	804.0	771.8	740.2	751.5	784.5



TEST NUMBER: 253p177

CATALOG NUMBER: 1215-XX-26-CFL/3/32-T5C/1/22W

**CANDELA DISTRIBUTION (continued):**

	0°	20°	30°	40°	60°	80°	90°	100°	120°	140°	150°
112.5°	774.8	793.5	864.0	891.0	1063.5	981.0	888.8	819.8	774.8	793.5	864.0
115°	798.0	850.5	936.0	981.8	1167.0	1076.2	952.5	878.2	798.0	850.5	936.0
117.5°	822.8	909.8	995.2	1070.2	1266.8	1113.0	1003.5	936.0	822.8	909.8	995.2
120°	867.8	969.0	1056.0	1164.0	1340.2	1149.8	1056.0	984.8	867.8	969.0	1056.0
122.5°	940.5	1036.5	1131.8	1267.5	1413.8	1200.0	1122.8	1053.8	940.5	1036.5	1131.8
125°	1002.0	1125.0	1212.8	1368.8	1481.2	1291.5	1200.8	1125.0	1002.0	1125.0	1212.8
127.5°	1055.2	1190.2	1291.5	1446.0	1537.5	1371.8	1271.2	1187.2	1055.2	1190.2	1291.5
130°	1104.0	1247.2	1347.8	1488.8	1584.8	1431.0	1315.5	1242.0	1104.0	1247.2	1347.8
132.5°	1150.5	1300.5	1383.8	1515.0	1635.0	1494.8	1364.2	1296.8	1150.5	1300.5	1383.8
135°	1194.8	1356.8	1435.5	1554.0	1716.8	1563.8	1416.0	1344.8	1194.8	1356.8	1435.5
137.5°	1238.2	1402.5	1479.8	1551.0	1770.0	1617.0	1461.0	1393.5	1238.2	1402.5	1479.8
140°	1279.5	1435.5	1515.0	1563.0	1752.8	1664.2	1506.8	1435.5	1279.5	1435.5	1515.0
142.5°	1296.0	1471.5	1542.8	1577.2	1661.2	1653.0	1535.2	1471.5	1296.0	1471.5	1542.8
145°	1314.8	1495.5	1555.5	1590.0	1563.0	1593.0	1533.8	1480.5	1314.8	1495.5	1555.5
147.5°	1324.5	1500.8	1549.5	1574.2	1472.2	1536.0	1515.8	1473.0	1324.5	1500.8	1549.5
150°	1357.5	1498.5	1537.5	1556.2	1490.2	1517.2	1502.2	1458.0	1357.5	1498.5	1537.5
152.5°	1372.5	1504.5	1545.0	1573.5	1498.5	1500.8	1491.0	1452.0	1372.5	1504.5	1545.0
155°	1367.2	1491.8	1539.0	1578.8	1487.2	1509.0	1475.2	1445.2	1367.2	1491.8	1539.0
157.5°	1346.2	1468.5	1513.5	1538.2	1485.8	1468.5	1453.5	1419.0	1346.2	1468.5	1513.5
160°	1311.0	1423.5	1465.5	1495.5	1461.8	1416.0	1415.2	1385.2	1311.0	1423.5	1465.5
162.5°	1266.8	1351.5	1388.2	1415.2	1394.2	1341.0	1356.8	1335.8	1266.8	1351.5	1388.2
165°	1218.8	1283.2	1311.0	1329.8	1311.0	1269.8	1289.2	1270.5	1218.8	1283.2	1311.0
167.5°	1160.2	1207.5	1225.5	1233.8	1188.0	1179.8	1207.5	1202.2	1160.2	1207.5	1225.5
170°	1096.5	1133.2	1132.5	1130.2	1091.2	1104.8	1116.8	1125.8	1096.5	1133.2	1132.5
172.5°	1039.5	1064.2	1056.8	1055.2	1033.5	1038.8	1045.5	1053.0	1039.5	1064.2	1056.8
175°	973.5	997.5	992.2	988.5	966.0	970.5	982.5	985.5	973.5	997.5	992.2
177.5°	916.5	937.5	939.0	933.0	907.5	900.8	906.8	912.0	916.5	937.5	939.0
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: 253p177

CATALOG NUMBER: 1215-XX-26-CFL/3/32-T5C/1/22W

**CANDELA DISTRIBUTION (continued):**

	160°	180°	200°	210°	220°	240°	260°	270°	280°	300°	320°
0°	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0
2.5°	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0
5°	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0
7.5°	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0
10°	260.0	260.0	260.0	260.0	260.0	260.0	260.0	260.0	260.0	260.0	260.0
12.5°	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0
15°	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0
17.5°	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0
20°	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0	246.0
22.5°	242.0	242.0	242.0	242.0	242.0	242.0	242.0	242.0	242.0	242.0	242.0
25°	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0
27.5°	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0
30°	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0
32.5°	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0
35°	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0
37.5°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
40°	195.0	195.0	195.0	195.0	195.0	195.0	195.0	195.0	195.0	195.0	195.0
42.5°	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0
45°	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0	178.0
47.5°	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0
50°	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
52.5°	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
55°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
57.5°	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0
60°	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0
62.5°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
65°	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0
67.5°	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
70°	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
72.5°	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
75°	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
77.5°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
80°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
82.5°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
85°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
87.5°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
90°	40.0	55.0	33.0	25.0	16.0	7.0	14.0	33.0	40.0	55.0	33.0
92.5°	150.8	160.5	179.2	126.0	76.5	84.8	100.5	132.8	150.8	160.5	179.2
95°	287.2	452.2	368.2	274.5	228.0	196.5	249.0	277.5	287.2	452.2	368.2
97.5°	489.8	621.0	507.8	429.0	384.0	359.2	412.5	449.2	489.8	621.0	507.8
100°	616.5	776.2	590.2	541.5	495.8	471.8	522.8	566.2	616.5	776.2	590.2
102.5°	654.8	876.8	642.8	609.0	584.2	567.0	618.0	630.8	654.8	876.8	642.8
105°	667.5	905.2	690.8	672.8	658.5	648.8	672.0	678.0	667.5	905.2	690.8
107.5°	714.8	926.2	768.8	741.0	724.5	703.5	712.5	720.0	714.8	926.2	768.8
110°	795.8	984.8	863.2	804.0	771.8	740.2	751.5	784.5	795.8	984.8	863.2





TEST NUMBER: 253p177

CATALOG NUMBER: 1215-XX-26-CFL/3/32-T5C/1/22W

**CANDELA DISTRIBUTION (continued):**

	160°	180°	200°	210°	220°	240°	260°	270°	280°	300°	320°
112.5°	891.0	1063.5	981.0	888.8	819.8	774.8	793.5	864.0	891.0	1063.5	981.0
115°	981.8	1167.0	1076.2	952.5	878.2	798.0	850.5	936.0	981.8	1167.0	1076.2
117.5°	1070.2	1266.8	1113.0	1003.5	936.0	822.8	909.8	995.2	1070.2	1266.8	1113.0
120°	1164.0	1340.2	1149.8	1056.0	984.8	867.8	969.0	1056.0	1164.0	1340.2	1149.8
122.5°	1267.5	1413.8	1200.0	1122.8	1053.8	940.5	1036.5	1131.8	1267.5	1413.8	1200.0
125°	1368.8	1481.2	1291.5	1200.8	1125.0	1002.0	1125.0	1212.8	1368.8	1481.2	1291.5
127.5°	1446.0	1537.5	1371.8	1271.2	1187.2	1055.2	1190.2	1291.5	1446.0	1537.5	1371.8
130°	1488.8	1584.8	1431.0	1315.5	1242.0	1104.0	1247.2	1347.8	1488.8	1584.8	1431.0
132.5°	1515.0	1635.0	1494.8	1364.2	1296.8	1150.5	1300.5	1383.8	1515.0	1635.0	1494.8
135°	1554.0	1716.8	1563.8	1416.0	1344.8	1194.8	1356.8	1435.5	1554.0	1716.8	1563.8
137.5°	1551.0	1770.0	1617.0	1461.0	1393.5	1238.2	1402.5	1479.8	1551.0	1770.0	1617.0
140°	1563.0	1752.8	1664.2	1506.8	1435.5	1279.5	1435.5	1515.0	1563.0	1752.8	1664.2
142.5°	1577.2	1661.2	1653.0	1535.2	1471.5	1296.0	1471.5	1542.8	1577.2	1661.2	1653.0
145°	1590.0	1563.0	1593.0	1533.8	1480.5	1314.8	1495.5	1555.5	1590.0	1563.0	1593.0
147.5°	1574.2	1472.2	1536.0	1515.8	1473.0	1324.5	1500.8	1549.5	1574.2	1472.2	1536.0
150°	1556.2	1490.2	1517.2	1502.2	1458.0	1357.5	1498.5	1537.5	1556.2	1490.2	1517.2
152.5°	1573.5	1498.5	1500.8	1491.0	1452.0	1372.5	1504.5	1545.0	1573.5	1498.5	1500.8
155°	1578.8	1487.2	1509.0	1475.2	1445.2	1367.2	1491.8	1539.0	1578.8	1487.2	1509.0
157.5°	1538.2	1485.8	1468.5	1453.5	1419.0	1346.2	1468.5	1513.5	1538.2	1485.8	1468.5
160°	1495.5	1461.8	1416.0	1415.2	1385.2	1311.0	1423.5	1465.5	1495.5	1461.8	1416.0
162.5°	1415.2	1394.2	1341.0	1356.8	1335.8	1266.8	1351.5	1388.2	1415.2	1394.2	1341.0
165°	1329.8	1311.0	1269.8	1289.2	1270.5	1218.8	1283.2	1311.0	1329.8	1311.0	1269.8
167.5°	1233.8	1188.0	1179.8	1207.5	1202.2	1160.2	1207.5	1225.5	1233.8	1188.0	1179.8
170°	1130.2	1091.2	1104.8	1116.8	1125.8	1096.5	1133.2	1132.5	1130.2	1091.2	1104.8
172.5°	1055.2	1033.5	1038.8	1045.5	1053.0	1039.5	1064.2	1056.8	1055.2	1033.5	1038.8
175°	988.5	966.0	970.5	982.5	985.5	973.5	997.5	992.2	988.5	966.0	970.5
177.5°	933.0	907.5	900.8	906.8	912.0	916.5	937.5	939.0	933.0	907.5	900.8
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: 253p177

CATALOG NUMBER: 1215-XX-26-CFL/3/32-T5C/1/22W

**CANDELA DISTRIBUTION (continued):**

	330°	340°	360°
0°	264.0	264.0	264.0
2.5°	264.0	264.0	264.0
5°	263.0	263.0	263.0
7.5°	262.0	262.0	262.0
10°	260.0	260.0	260.0
12.5°	257.0	257.0	257.0
15°	254.0	254.0	254.0
17.5°	251.0	251.0	251.0
20°	246.0	246.0	246.0
22.5°	242.0	242.0	242.0
25°	236.0	236.0	236.0
27.5°	230.0	230.0	230.0
30°	224.0	224.0	224.0
32.5°	217.0	217.0	217.0
35°	210.0	210.0	210.0
37.5°	203.0	203.0	203.0
40°	195.0	195.0	195.0
42.5°	187.0	187.0	187.0
45°	178.0	178.0	178.0
47.5°	169.0	169.0	169.0
50°	160.0	160.0	160.0
52.5°	150.0	150.0	150.0
55°	141.0	141.0	141.0
57.5°	131.0	131.0	131.0
60°	121.0	121.0	121.0
62.5°	112.0	112.0	112.0
65°	102.0	102.0	102.0
67.5°	93.0	93.0	93.0
70°	84.0	84.0	84.0
72.5°	75.0	75.0	75.0
75°	67.0	67.0	67.0
77.5°	59.0	59.0	59.0
80°	51.0	51.0	51.0
82.5°	44.0	44.0	44.0
85°	38.0	38.0	38.0
87.5°	32.0	32.0	32.0
90°	25.0	16.0	7.0
92.5°	126.0	76.5	84.8
95°	274.5	228.0	196.5
97.5°	429.0	384.0	359.2
100°	541.5	495.8	471.8
102.5°	609.0	584.2	567.0
105°	672.8	658.5	648.8
107.5°	741.0	724.5	703.5
110°	804.0	771.8	740.2



TEST NUMBER: 253p177

CATALOG NUMBER: 1215-XX-26-CFL/3/32-T5C/1/22W

**CANDELA DISTRIBUTION (continued):**

	330°	340°	360°
112.5°	888.8	819.8	774.8
115°	952.5	878.2	798.0
117.5°	1003.5	936.0	822.8
120°	1056.0	984.8	867.8
122.5°	1122.8	1053.8	940.5
125°	1200.8	1125.0	1002.0
127.5°	1271.2	1187.2	1055.2
130°	1315.5	1242.0	1104.0
132.5°	1364.2	1296.8	1150.5
135°	1416.0	1344.8	1194.8
137.5°	1461.0	1393.5	1238.2
140°	1506.8	1435.5	1279.5
142.5°	1535.2	1471.5	1296.0
145°	1533.8	1480.5	1314.8
147.5°	1515.8	1473.0	1324.5
150°	1502.2	1458.0	1357.5
152.5°	1491.0	1452.0	1372.5
155°	1475.2	1445.2	1367.2
157.5°	1453.5	1419.0	1346.2
160°	1415.2	1385.2	1311.0
162.5°	1356.8	1335.8	1266.8
165°	1289.2	1270.5	1218.8
167.5°	1207.5	1202.2	1160.2
170°	1116.8	1125.8	1096.5
172.5°	1045.5	1053.0	1039.5
175°	982.5	985.5	973.5
177.5°	906.8	912.0	916.5
180°	852.8	852.8	852.8

(END OF REPORT)