

Scaled data based on original data using  
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or  
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: SHAPER

Report Number: 253p170

Luminaire Tested: **1215-XX-26-MH/3/39-T5C/1/22**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: 253p170  
Test Lab: METALUX LABORATORIES  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 1215-XX-26-MH/3/39-T5C/1/22  
Description: SHAPER 26 INCH 1215 SERIES DIRECT/INDIRECT INDOOR PENDANT FIXTURE  
WITH SHALLOW DIFFUSING BOWL  
Light Source: ONE - TL5C22/830 @ 1800 LUMENS AND THREE CDM39/T6/830 @ 3400  
LUMENS ONE 22W T5 CIRCLINE AND THREE G12 T6 CERAMIC METAL  
HALIDE LAMPS  
Ballast/Driver: -

**Summary**

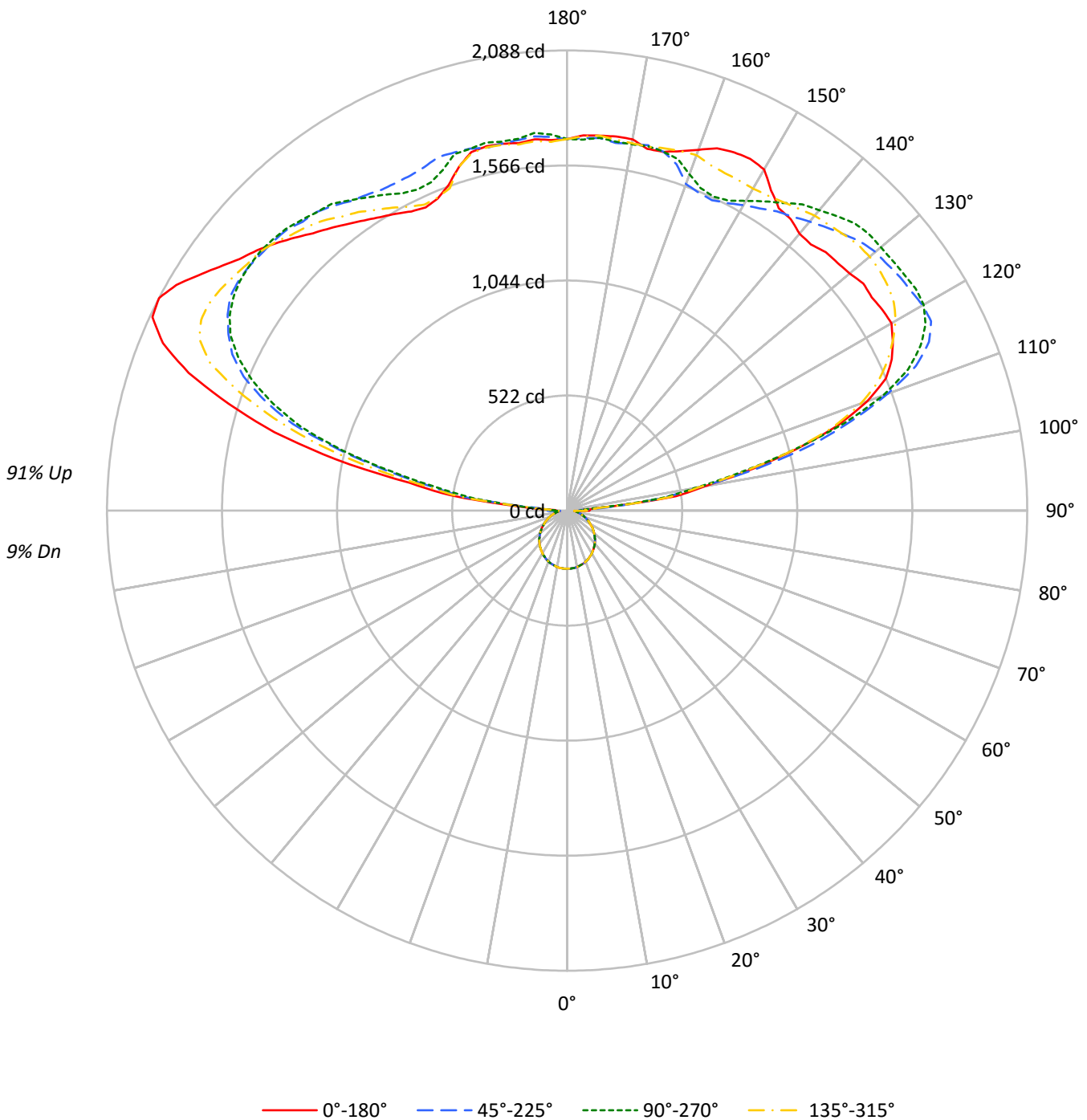
Lumens per Lamp: 12000 (1 lamp)  
Luminaire Lumens: 9433.1 lumens  
Efficiency: 78.6%  
Efficacy: 67.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Vertical Cylinder (Dia: 2.17' x H: 0.1')  
CIE Type: Indirect

Input Watts (W): 139  
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: 253p170

CATALOG NUMBER: 1215-XX-26-MH/3/39-T5C/1/22

### Luminous Intensity Polar Plot





TEST NUMBER: 253p170

CATALOG NUMBER: 1215-XX-26-MH/3/39-T5C/1/22

**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	0
RCR																		
0	76	76	76	76	66	66	66	66	47	47	47	30	30	30	14	14	14	7
1	69	66	63	61	60	57	55	53	41	40	38	26	25	25	12	12	12	5
2	63	58	53	49	55	50	46	43	36	34	32	23	22	20	11	10	10	4
3	57	51	45	41	50	44	40	36	32	29	26	20	19	17	9	9	8	4
4	52	45	39	34	45	39	34	30	28	25	22	18	16	15	8	8	7	3
5	48	39	33	29	41	34	29	26	25	22	19	16	14	12	8	7	6	3
6	44	35	29	25	38	31	26	22	22	19	16	14	12	11	7	6	5	2
7	41	32	26	22	35	28	23	19	20	17	14	13	11	9	6	5	5	2
8	37	28	23	19	32	25	20	17	18	15	12	12	10	8	6	5	4	2
9	35	26	20	17	30	22	18	15	16	13	11	11	9	7	5	4	4	2
10	32	23	18	15	28	20	16	13	15	12	10	10	8	6	5	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: 253p170

CATALOG NUMBER: 1215-XX-26-MH/3/39-T5C/1/22

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	25.0	0.3	0.2
10°-20°	71.7	0.8	0.6
20°-30°	108.8	1.2	0.9
30°-40°	131.5	1.4	1.1
40°-50°	137.4	1.5	1.1
50°-60°	125.8	1.3	1.0
60°-70°	101.4	1.1	0.8
70°-80°	70.9	0.8	0.6
80°-90°	48.4	0.5	0.4
90°-100°	286.2	3.0	2.4
100°-110°	1164.7	12.3	9.7
110°-120°	1705.5	18.1	14.2
120°-130°	1633.4	17.3	13.6
130°-140°	1373.0	14.6	11.4
140°-150°	1058.6	11.2	8.8
150°-160°	753.3	8.0	6.3
160°-170°	475.9	5.0	4.0
170°-180°	161.6	1.7	1.3
0°-30°	205.6	2.2	1.7
0°-40°	337.1	3.6	2.8
0°-60°	600.3	6.4	5.0
0°-90°	820.9	8.7	6.8
90°-120°	3156.4	33.5	26.3
90°-150°	7221.4	76.6	60.2
90°-180°	8612.0	91.3	71.8
0°-180°	9433.1	100.0	78.6

**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°	102	66	55	77	102	42
95°	148	120	217	193	148	271
105°	1074	1063	1375	1056	1074	1121
115°	1625	1770	2076	1647	1625	1595
125°	1687	1867	1927	1813	1687	1517
135°	1659	1844	1750	1806	1659	1282
145°	1675	1704	1607	1719	1675	1063
155°	1793	1572	1518	1607	1793	826
165°	1685	1686	1683	1699	1685	483
175°	1708	1698	1691	1720	1708	163
180°	1685	1685	1685	1685	1685	



TEST NUMBER: 253p170

CATALOG NUMBER: 1215-XX-26-MH/3/39-T5C/1/22

**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°	102.0	86.0	77.0	68.0	55.0	63.0	66.0	85.0	102.0	86.0	77.0
92.5°	71.6	61.4	57.3	56.8	52.8	67.5	59.9	68.0	71.6	61.4	57.3
95°	148.2	165.9	193.3	208.1	217.2	157.3	119.8	126.4	148.2	165.9	193.3
97.5°	498.3	454.2	428.3	401.4	534.4	483.6	433.4	463.8	498.3	454.2	428.3
100°	632.8	592.7	592.7	561.8	725.2	651.1	584.1	619.6	632.8	592.7	592.7
102.5°	845.9	819.6	811.4	820.1	1076.3	873.9	809.4	834.3	845.9	819.6	811.4
105°	1073.8	1058.6	1055.5	1070.2	1375.2	1111.3	1062.6	1073.3	1073.8	1058.6	1055.5
107.5°	1291.0	1264.6	1269.7	1267.1	1609.7	1327.5	1317.9	1309.3	1291.0	1264.6	1269.7
110°	1448.3	1406.7	1419.4	1452.9	1827.4	1511.7	1524.4	1464.5	1448.3	1406.7	1419.4



TEST NUMBER: 253p170

CATALOG NUMBER: 1215-XX-26-MH/3/39-T5C/1/22

**CANDELA DISTRIBUTION (continued):**

	0°	20°	30°	40°	60°	80°	90°	100°	120°	140°	150°
112.5°	1566.0	1514.8	1547.8	1622.9	1985.7	1677.2	1675.6	1597.0	1566.0	1514.8	1547.8
115°	1625.4	1595.0	1647.2	1724.4	2076.5	1762.9	1770.0	1693.4	1625.4	1595.0	1647.2
117.5°	1666.0	1666.5	1721.8	1786.3	2088.2	1801.0	1833.5	1754.3	1666.0	1666.5	1721.8
120°	1699.5	1728.9	1768.0	1801.0	2047.6	1820.3	1867.5	1805.6	1699.5	1728.9	1768.0
122.5°	1695.9	1778.7	1796.9	1806.6	1985.7	1826.4	1875.1	1850.2	1695.9	1778.7	1796.9
125°	1687.3	1806.6	1813.2	1818.2	1927.3	1823.8	1867.0	1863.4	1687.3	1806.6	1813.2
127.5°	1693.4	1819.3	1819.8	1819.3	1874.1	1819.3	1861.9	1862.4	1693.4	1819.3	1819.8
130°	1673.6	1830.9	1822.3	1821.8	1837.0	1818.2	1858.3	1858.8	1673.6	1830.9	1822.3
132.5°	1664.0	1829.4	1816.2	1809.1	1794.4	1802.0	1857.3	1856.3	1664.0	1829.4	1816.2
135°	1658.9	1810.6	1806.1	1781.2	1750.2	1776.1	1844.1	1848.2	1658.9	1810.6	1806.1
137.5°	1637.6	1798.4	1786.8	1753.8	1706.6	1760.4	1811.6	1823.8	1637.6	1798.4	1786.8
140°	1640.1	1782.7	1767.5	1724.4	1672.6	1734.0	1779.7	1811.1	1640.1	1782.7	1767.5
142.5°	1666.5	1746.2	1754.3	1694.9	1638.1	1695.4	1751.3	1769.0	1666.5	1746.2	1754.3
145°	1674.6	1719.8	1718.8	1674.1	1607.1	1668.5	1704.1	1726.9	1674.6	1719.8	1718.8
147.5°	1722.8	1685.3	1684.8	1641.6	1578.2	1630.0	1663.5	1689.3	1722.8	1685.3	1684.8
150°	1787.3	1653.3	1654.8	1614.7	1555.4	1597.0	1622.4	1646.2	1787.3	1653.3	1654.8
152.5°	1799.5	1651.8	1622.4	1587.3	1530.0	1561.5	1585.3	1637.1	1799.5	1651.8	1622.4
155°	1793.4	1655.9	1607.1	1566.5	1518.3	1536.1	1571.6	1640.1	1793.4	1655.9	1607.1
157.5°	1778.7	1670.6	1612.2	1570.1	1532.5	1538.6	1583.8	1657.9	1778.7	1670.6	1612.2
160°	1742.1	1707.6	1645.7	1578.2	1572.1	1551.3	1622.9	1696.4	1742.1	1707.6	1645.7
162.5°	1709.6	1710.7	1696.4	1652.8	1634.5	1634.5	1671.6	1701.5	1709.6	1710.7	1696.4
165°	1685.3	1707.6	1699.0	1687.3	1683.3	1676.1	1686.3	1705.1	1685.3	1707.6	1699.0
167.5°	1680.7	1694.4	1709.6	1699.0	1692.9	1685.8	1692.9	1686.8	1680.7	1694.4	1709.6
170°	1710.7	1686.8	1700.0	1689.3	1689.9	1683.3	1687.8	1685.3	1710.7	1686.8	1700.0
172.5°	1711.7	1692.4	1701.5	1682.7	1681.7	1674.1	1688.8	1690.9	1711.7	1692.4	1701.5
175°	1707.6	1707.1	1719.8	1699.0	1690.9	1679.7	1698.0	1703.0	1707.6	1707.1	1719.8
177.5°	1704.1	1698.5	1708.1	1694.4	1682.7	1672.1	1684.8	1694.4	1704.1	1698.5	1708.1
180°	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3



TEST NUMBER: 253p170

CATALOG NUMBER: 1215-XX-26-MH/3/39-T5C/1/22

**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°	68.0	55.0	63.0	66.0	85.0	102.0	86.0	77.0	68.0	55.0	63.0
92.5°	56.8	52.8	67.5	59.9	68.0	71.6	61.4	57.3	56.8	52.8	67.5
95°	208.1	217.2	157.3	119.8	126.4	148.2	165.9	193.3	208.1	217.2	157.3
97.5°	401.4	534.4	483.6	433.4	463.8	498.3	454.2	428.3	401.4	534.4	483.6
100°	561.8	725.2	651.1	584.1	619.6	632.8	592.7	592.7	561.8	725.2	651.1
102.5°	820.1	1076.3	873.9	809.4	834.3	845.9	819.6	811.4	820.1	1076.3	873.9
105°	1070.2	1375.2	1111.3	1062.6	1073.3	1073.8	1058.6	1055.5	1070.2	1375.2	1111.3
107.5°	1267.1	1609.7	1327.5	1317.9	1309.3	1291.0	1264.6	1269.7	1267.1	1609.7	1327.5
110°	1452.9	1827.4	1511.7	1524.4	1464.5	1448.3	1406.7	1419.4	1452.9	1827.4	1511.7





TEST NUMBER: 253p170

CATALOG NUMBER: 1215-XX-26-MH/3/39-T5C/1/22

**CANDELA DISTRIBUTION (continued):**

	160°	180°	200°	210°	220°	240°	260°	270°	280°	300°	320°
112.5°	1622.9	1985.7	1677.2	1675.6	1597.0	1566.0	1514.8	1547.8	1622.9	1985.7	1677.2
115°	1724.4	2076.5	1762.9	1770.0	1693.4	1625.4	1595.0	1647.2	1724.4	2076.5	1762.9
117.5°	1786.3	2088.2	1801.0	1833.5	1754.3	1666.0	1666.5	1721.8	1786.3	2088.2	1801.0
120°	1801.0	2047.6	1820.3	1867.5	1805.6	1699.5	1728.9	1768.0	1801.0	2047.6	1820.3
122.5°	1806.6	1985.7	1826.4	1875.1	1850.2	1695.9	1778.7	1796.9	1806.6	1985.7	1826.4
125°	1818.2	1927.3	1823.8	1867.0	1863.4	1687.3	1806.6	1813.2	1818.2	1927.3	1823.8
127.5°	1819.3	1874.1	1819.3	1861.9	1862.4	1693.4	1819.3	1819.8	1819.3	1874.1	1819.3
130°	1821.8	1837.0	1818.2	1858.3	1858.8	1673.6	1830.9	1822.3	1821.8	1837.0	1818.2
132.5°	1809.1	1794.4	1802.0	1857.3	1856.3	1664.0	1829.4	1816.2	1809.1	1794.4	1802.0
135°	1781.2	1750.2	1776.1	1844.1	1848.2	1658.9	1810.6	1806.1	1781.2	1750.2	1776.1
137.5°	1753.8	1706.6	1760.4	1811.6	1823.8	1637.6	1798.4	1786.8	1753.8	1706.6	1760.4
140°	1724.4	1672.6	1734.0	1779.7	1811.1	1640.1	1782.7	1767.5	1724.4	1672.6	1734.0
142.5°	1694.9	1638.1	1695.4	1751.3	1769.0	1666.5	1746.2	1754.3	1694.9	1638.1	1695.4
145°	1674.1	1607.1	1668.5	1704.1	1726.9	1674.6	1719.8	1718.8	1674.1	1607.1	1668.5
147.5°	1641.6	1578.2	1630.0	1663.5	1689.3	1722.8	1685.3	1684.8	1641.6	1578.2	1630.0
150°	1614.7	1555.4	1597.0	1622.4	1646.2	1787.3	1653.3	1654.8	1614.7	1555.4	1597.0
152.5°	1587.3	1530.0	1561.5	1585.3	1637.1	1799.5	1651.8	1622.4	1587.3	1530.0	1561.5
155°	1566.5	1518.3	1536.1	1571.6	1640.1	1793.4	1655.9	1607.1	1566.5	1518.3	1536.1
157.5°	1570.1	1532.5	1538.6	1583.8	1657.9	1778.7	1670.6	1612.2	1570.1	1532.5	1538.6
160°	1578.2	1572.1	1551.3	1622.9	1696.4	1742.1	1707.6	1645.7	1578.2	1572.1	1551.3
162.5°	1652.8	1634.5	1634.5	1671.6	1701.5	1709.6	1710.7	1696.4	1652.8	1634.5	1634.5
165°	1687.3	1683.3	1676.1	1686.3	1705.1	1685.3	1707.6	1699.0	1687.3	1683.3	1676.1
167.5°	1699.0	1692.9	1685.8	1692.9	1686.8	1680.7	1694.4	1709.6	1699.0	1692.9	1685.8
170°	1689.3	1689.9	1683.3	1687.8	1685.3	1710.7	1686.8	1700.0	1689.3	1689.9	1683.3
172.5°	1682.7	1681.7	1674.1	1688.8	1690.9	1711.7	1692.4	1701.5	1682.7	1681.7	1674.1
175°	1699.0	1690.9	1679.7	1698.0	1703.0	1707.6	1707.1	1719.8	1699.0	1690.9	1679.7
177.5°	1694.4	1682.7	1672.1	1684.8	1694.4	1704.1	1698.5	1708.1	1694.4	1682.7	1672.1
180°	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3



TEST NUMBER: 253p170

CATALOG NUMBER: 1215-XX-26-MH/3/39-T5C/1/22

**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°	66.0	85.0	102.0
92.5°	59.9	68.0	71.6
95°	119.8	126.4	148.2
97.5°	433.4	463.8	498.3
100°	584.1	619.6	632.8
102.5°	809.4	834.3	845.9
105°	1062.6	1073.3	1073.8
107.5°	1317.9	1309.3	1291.0
110°	1524.4	1464.5	1448.3



TEST NUMBER: 253p170

CATALOG NUMBER: 1215-XX-26-MH/3/39-T5C/1/22

**CANDELA DISTRIBUTION (continued):**

	330°	340°	360°
112.5°	1675.6	1597.0	1566.0
115°	1770.0	1693.4	1625.4
117.5°	1833.5	1754.3	1666.0
120°	1867.5	1805.6	1699.5
122.5°	1875.1	1850.2	1695.9
125°	1867.0	1863.4	1687.3
127.5°	1861.9	1862.4	1693.4
130°	1858.3	1858.8	1673.6
132.5°	1857.3	1856.3	1664.0
135°	1844.1	1848.2	1658.9
137.5°	1811.6	1823.8	1637.6
140°	1779.7	1811.1	1640.1
142.5°	1751.3	1769.0	1666.5
145°	1704.1	1726.9	1674.6
147.5°	1663.5	1689.3	1722.8
150°	1622.4	1646.2	1787.3
152.5°	1585.3	1637.1	1799.5
155°	1571.6	1640.1	1793.4
157.5°	1583.8	1657.9	1778.7
160°	1622.9	1696.4	1742.1
162.5°	1671.6	1701.5	1709.6
165°	1686.3	1705.1	1685.3
167.5°	1692.9	1686.8	1680.7
170°	1687.8	1685.3	1710.7
172.5°	1688.8	1690.9	1711.7
175°	1698.0	1703.0	1707.6
177.5°	1684.8	1694.4	1704.1
180°	1685.3	1685.3	1685.3

(END OF REPORT)