

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: 253P154

Luminaire Tested: **1270-44-CFL/8/39**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 253P154
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 1270-44-CFL/8/39
Description: SHAPER 44 INCH 1270 SERIES SOLID INDIRECT INTERIOR PENDANT FIXTURE
Light Source: EIGHT 39 WATT GX24 T4 COMPACT FLUORESCENT LAMPS
(8)F39BX - 2850 LUMENS - 39 WATTS
THIS FILE WAS PRORATED FROM TEST NO: 253P154
Ballast/Driver: -

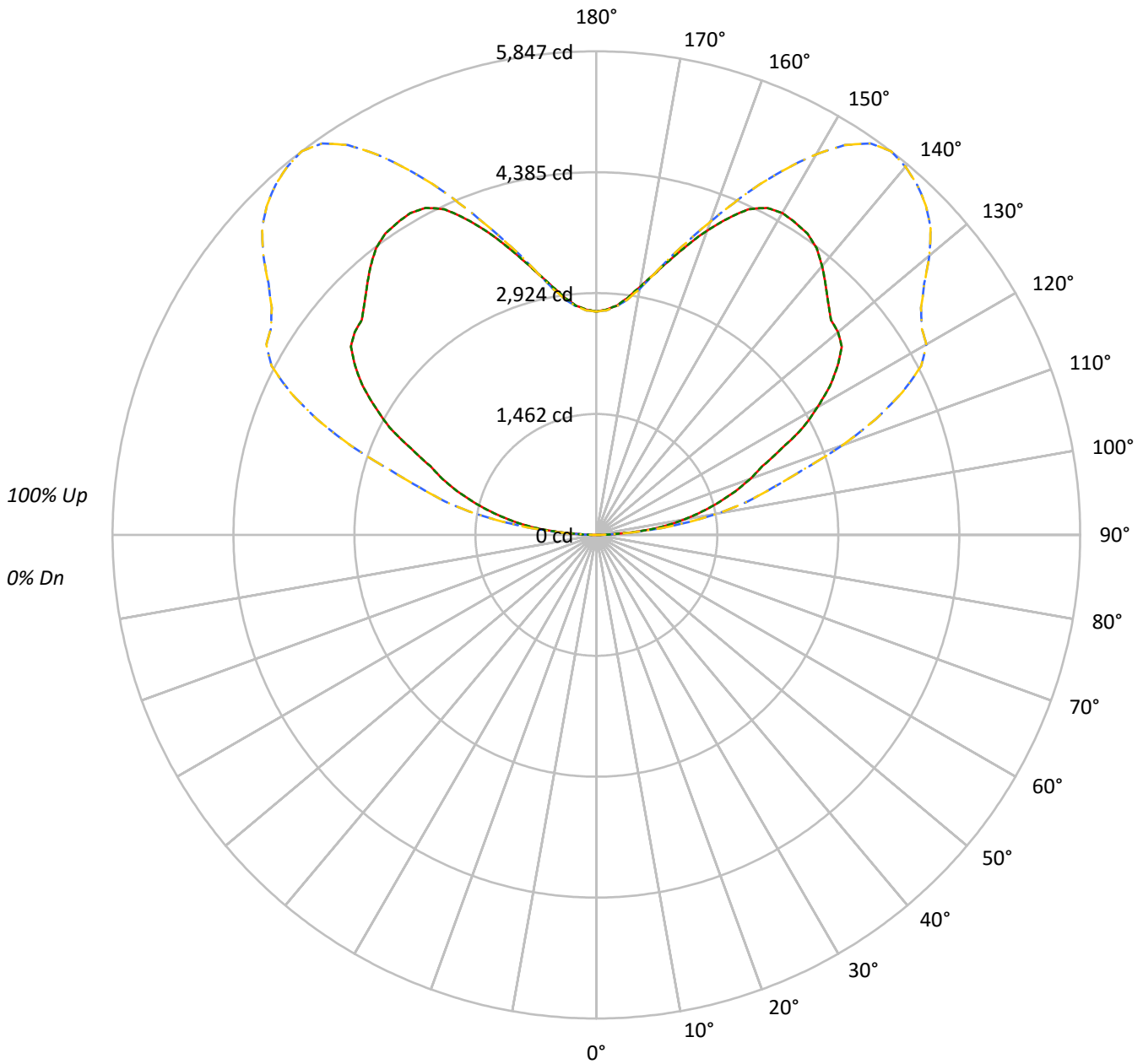
Summary

Lumens per Lamp: 2850 (8 lamps)
Luminaire Lumens: 20451.7 lumens
Efficiency: 89.7%
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Vertical Cylinder (Dia: 3.67' x H: 0.1')
CIE Type: Indirect

Input Watts (W): 320
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: 253P154
CATALOG NUMBER: 1270-44-CFL/8/39

Luminous Intensity Polar Plot



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



TEST NUMBER: 253P154

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 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 | 85 | 85 | 85 | 85 | 73 | 73 | 73 | 73 | 50 | 50 | 50 | 29 | 29 | 29 | 9 | 9 | 9 | 0 |
| 1 | 78 | 74 | 71 | 68 | 66 | 63 | 61 | 59 | 43 | 42 | 40 | 25 | 24 | 24 | 8 | 8 | 8 | 0 |
| 2 | 71 | 65 | 60 | 55 | 60 | 55 | 51 | 48 | 38 | 35 | 33 | 22 | 21 | 20 | 7 | 7 | 6 | 0 |
| 3 | 64 | 57 | 51 | 46 | 55 | 49 | 44 | 40 | 33 | 30 | 28 | 19 | 18 | 16 | 6 | 6 | 5 | 0 |
| 4 | 59 | 50 | 43 | 39 | 50 | 43 | 38 | 33 | 29 | 26 | 24 | 17 | 15 | 14 | 5 | 5 | 5 | 0 |
| 5 | 54 | 44 | 38 | 33 | 46 | 38 | 32 | 28 | 26 | 23 | 20 | 15 | 13 | 12 | 5 | 4 | 4 | 0 |
| 6 | 49 | 39 | 33 | 28 | 42 | 34 | 28 | 24 | 23 | 20 | 17 | 14 | 12 | 10 | 4 | 4 | 3 | 0 |
| 7 | 45 | 35 | 29 | 24 | 38 | 30 | 25 | 21 | 21 | 17 | 15 | 12 | 10 | 9 | 4 | 3 | 3 | 0 |
| 8 | 42 | 32 | 25 | 21 | 36 | 27 | 22 | 18 | 19 | 15 | 13 | 11 | 9 | 8 | 4 | 3 | 3 | 0 |
| 9 | 39 | 29 | 22 | 18 | 33 | 25 | 20 | 16 | 17 | 14 | 11 | 10 | 8 | 7 | 3 | 3 | 2 | 0 |
| 10 | 36 | 26 | 20 | 16 | 31 | 22 | 17 | 14 | 16 | 12 | 10 | 9 | 7 | 6 | 3 | 2 | 2 | 0 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|----|-----|------|------|
| 0° | 0 | 0 | 0 | 0 |
| 5° | 0 | 0 | 0 | 0 |
| 10° | 0 | 0 | 0 | 0 |
| 15° | 0 | 0 | 0 | 0 |
| 20° | 0 | 0 | 0 | 0 |
| 25° | 0 | 0 | 0 | 0 |
| 30° | 0 | 0 | 0 | 0 |
| 35° | 0 | 0 | 0 | 0 |
| 40° | 0 | 0 | 0 | 0 |
| 45° | 0 | 0 | 0 | 0 |
| 50° | 0 | 0 | 0 | 0 |
| 55° | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 |



TEST NUMBER: 253P154

CATALOG NUMBER: 1270-44-CFL/8/39

ZONAL LUMENS:

| Zone | Lumens | % Fixture | % Lamp |
|-----------|---------|-----------|--------|
| 0°-10° | 0.0 | 0.0 | 0.0 |
| 10°-20° | 0.0 | 0.0 | 0.0 |
| 20°-30° | 0.0 | 0.0 | 0.0 |
| 30°-40° | 0.0 | 0.0 | 0.0 |
| 40°-50° | 0.0 | 0.0 | 0.0 |
| 50°-60° | 0.0 | 0.0 | 0.0 |
| 60°-70° | 0.0 | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 | 0.0 |
| 80°-90° | 2.6 | 0.0 | 0.0 |
| 90°-100° | 682.3 | 3.3 | 3.0 |
| 100°-110° | 2171.7 | 10.6 | 9.5 |
| 110°-120° | 3348.1 | 16.4 | 14.7 |
| 120°-130° | 3963.6 | 19.4 | 17.4 |
| 130°-140° | 3766.7 | 18.4 | 16.5 |
| 140°-150° | 3160.8 | 15.5 | 13.9 |
| 150°-160° | 2085.6 | 10.2 | 9.1 |
| 160°-170° | 997.1 | 4.9 | 4.4 |
| 170°-180° | 273.3 | 1.3 | 1.2 |
| 0°-30° | 0.0 | 0.0 | 0.0 |
| 0°-40° | 0.0 | 0.0 | 0.0 |
| 0°-60° | 0.0 | 0.0 | 0.0 |
| 0°-90° | 2.6 | 0.0 | 0.0 |
| 90°-120° | 6202.1 | 30.3 | 27.2 |
| 90°-150° | 17093.1 | 83.6 | 75.0 |
| 90°-180° | 20449.0 | 100.0 | 89.7 |
| 0°-180° | 20451.7 | 100.0 | 89.7 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 0 | 0 | 0 | 0 | 0 | |
| 5° | 0 | 0 | 0 | 0 | 0 | 0 |
| 15° | 0 | 0 | 0 | 0 | 0 | 0 |
| 25° | 0 | 0 | 0 | 0 | 0 | 0 |
| 35° | 0 | 0 | 0 | 0 | 0 | 0 |
| 45° | 0 | 0 | 0 | 0 | 0 | 0 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 18 | 18 | 18 | 18 | 18 | 34 |
| 95° | 550 | 550 | 550 | 550 | 550 | 554 |
| 105° | 1538 | 1538 | 1538 | 1538 | 1538 | 1620 |
| 115° | 2469 | 2469 | 2469 | 2469 | 2469 | 2471 |
| 125° | 3558 | 3558 | 3558 | 3558 | 3558 | 3154 |
| 135° | 3963 | 3963 | 3963 | 3963 | 3963 | 3080 |
| 145° | 4446 | 4446 | 4446 | 4446 | 4446 | 2771 |
| 155° | 4344 | 4344 | 4344 | 4344 | 4344 | 1992 |
| 165° | 3441 | 3441 | 3441 | 3441 | 3441 | 993 |
| 175° | 2779 | 2779 | 2779 | 2779 | 2779 | 274 |
| 180° | 2700 | 2700 | 2700 | 2700 | 2700 | |



TEST NUMBER: 253P154

CATALOG NUMBER: 1270-44-CFL/8/39

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 18.0 | 17.0 | 17.0 | 24.0 | 18.0 | 17.0 | 17.0 | 24.0 | 18.0 | 17.0 | 17.0 |
| 92.5° | 213.5 | 193.6 | 207.2 | 244.3 | 213.5 | 193.6 | 207.2 | 244.3 | 213.5 | 193.6 | 207.2 |
| 95° | 550.1 | 589.0 | 620.7 | 657.8 | 550.1 | 589.0 | 620.7 | 657.8 | 550.1 | 589.0 | 620.7 |
| 97.5° | 841.4 | 999.8 | 1043.2 | 1086.6 | 841.4 | 999.8 | 1043.2 | 1086.6 | 841.4 | 999.8 | 1043.2 |
| 100° | 1076.7 | 1454.0 | 1487.4 | 1478.4 | 1076.7 | 1454.0 | 1487.4 | 1478.4 | 1076.7 | 1454.0 | 1487.4 |
| 102.5° | 1308.3 | 1924.4 | 1874.7 | 1881.9 | 1308.3 | 1924.4 | 1874.7 | 1881.9 | 1308.3 | 1924.4 | 1874.7 |
| 105° | 1538.1 | 2275.5 | 2204.9 | 2252.9 | 1538.1 | 2275.5 | 2204.9 | 2252.9 | 1538.1 | 2275.5 | 2204.9 |
| 107.5° | 1763.4 | 2574.0 | 2609.3 | 2572.2 | 1763.4 | 2574.0 | 2609.3 | 2572.2 | 1763.4 | 2574.0 | 2609.3 |
| 110° | 1977.8 | 2835.5 | 3160.3 | 2811.1 | 1977.8 | 2835.5 | 3160.3 | 2811.1 | 1977.8 | 2835.5 | 3160.3 |



TEST NUMBER: 253P154

CATALOG NUMBER: 1270-44-CFL/8/39

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2171.4 | 3107.0 | 3650.7 | 3105.1 | 2171.4 | 3107.0 | 3650.7 | 3105.1 | 2171.4 | 3107.0 | 3650.7 |
| 115° | 2469.1 | 3471.6 | 4078.7 | 3542.1 | 2469.1 | 3471.6 | 4078.7 | 3542.1 | 2469.1 | 3471.6 | 4078.7 |
| 117.5° | 2819.2 | 3838.9 | 4425.2 | 3962.0 | 2819.2 | 3838.9 | 4425.2 | 3962.0 | 2819.2 | 3838.9 | 4425.2 |
| 120° | 3081.6 | 4187.2 | 4604.3 | 4284.0 | 3081.6 | 4187.2 | 4604.3 | 4284.0 | 3081.6 | 4187.2 | 4604.3 |
| 122.5° | 3346.7 | 4482.2 | 4659.5 | 4587.1 | 3346.7 | 4482.2 | 4659.5 | 4587.1 | 3346.7 | 4482.2 | 4659.5 |
| 125° | 3557.5 | 4698.4 | 4788.9 | 4799.8 | 3557.5 | 4698.4 | 4788.9 | 4799.8 | 3557.5 | 4698.4 | 4788.9 |
| 127.5° | 3738.5 | 4796.1 | 4995.2 | 4887.5 | 3738.5 | 4796.1 | 4995.2 | 4887.5 | 3738.5 | 4796.1 | 4995.2 |
| 130° | 3813.6 | 4762.7 | 5251.2 | 4914.7 | 3813.6 | 4762.7 | 5251.2 | 4914.7 | 3813.6 | 4762.7 | 5251.2 |
| 132.5° | 3844.3 | 4791.6 | 5479.2 | 4986.1 | 3844.3 | 4791.6 | 5479.2 | 4986.1 | 3844.3 | 4791.6 | 5479.2 |
| 135° | 3962.9 | 4860.4 | 5632.1 | 5029.6 | 3962.9 | 4860.4 | 5632.1 | 5029.6 | 3962.9 | 4860.4 | 5632.1 |
| 137.5° | 4099.5 | 4926.4 | 5739.8 | 5092.0 | 4099.5 | 4926.4 | 5739.8 | 5092.0 | 4099.5 | 4926.4 | 5739.8 |
| 140° | 4244.2 | 4979.8 | 5810.4 | 5133.6 | 4244.2 | 4979.8 | 5810.4 | 5133.6 | 4244.2 | 4979.8 | 5810.4 |
| 142.5° | 4371.8 | 4985.2 | 5846.6 | 5122.8 | 4371.8 | 4985.2 | 5846.6 | 5122.8 | 4371.8 | 4985.2 | 5846.6 |
| 145° | 4446.0 | 4951.8 | 5777.8 | 5078.4 | 4446.0 | 4951.8 | 5777.8 | 5078.4 | 4446.0 | 4951.8 | 5777.8 |
| 147.5° | 4475.9 | 4913.8 | 5587.8 | 5020.5 | 4475.9 | 4913.8 | 5587.8 | 5020.5 | 4475.9 | 4913.8 | 5587.8 |
| 150° | 4494.9 | 4854.0 | 5311.9 | 4925.5 | 4494.9 | 4854.0 | 5311.9 | 4925.5 | 4494.9 | 4854.0 | 5311.9 |
| 152.5° | 4457.8 | 4713.8 | 4999.7 | 4764.5 | 4457.8 | 4713.8 | 4999.7 | 4764.5 | 4457.8 | 4713.8 | 4999.7 |
| 155° | 4343.8 | 4485.8 | 4677.6 | 4520.2 | 4343.8 | 4485.8 | 4677.6 | 4520.2 | 4343.8 | 4485.8 | 4677.6 |
| 157.5° | 4138.4 | 4221.6 | 4343.8 | 4249.7 | 4138.4 | 4221.6 | 4343.8 | 4249.7 | 4138.4 | 4221.6 | 4343.8 |
| 160° | 3915.8 | 3949.3 | 4030.7 | 3979.1 | 3915.8 | 3949.3 | 4030.7 | 3979.1 | 3915.8 | 3949.3 | 4030.7 |
| 162.5° | 3677.0 | 3682.4 | 3740.3 | 3696.9 | 3677.0 | 3682.4 | 3740.3 | 3696.9 | 3677.0 | 3682.4 | 3740.3 |
| 165° | 3440.8 | 3436.3 | 3479.7 | 3447.1 | 3440.8 | 3436.3 | 3479.7 | 3447.1 | 3440.8 | 3436.3 | 3479.7 |
| 167.5° | 3229.1 | 3220.0 | 3229.1 | 3228.2 | 3229.1 | 3220.0 | 3229.1 | 3228.2 | 3229.1 | 3220.0 | 3229.1 |
| 170° | 3047.2 | 3033.7 | 3021.0 | 3035.5 | 3047.2 | 3033.7 | 3021.0 | 3035.5 | 3047.2 | 3033.7 | 3021.0 |
| 172.5° | 2888.9 | 2881.7 | 2868.1 | 2886.2 | 2888.9 | 2881.7 | 2868.1 | 2886.2 | 2888.9 | 2881.7 | 2868.1 |
| 175° | 2779.4 | 2772.2 | 2769.5 | 2790.3 | 2779.4 | 2772.2 | 2769.5 | 2790.3 | 2779.4 | 2772.2 | 2769.5 |
| 177.5° | 2726.0 | 2720.6 | 2716.1 | 2735.1 | 2726.0 | 2720.6 | 2716.1 | 2735.1 | 2726.0 | 2720.6 | 2716.1 |
| 180° | 2699.8 | 2699.8 | 2699.8 | 2699.8 | 2699.8 | 2699.8 | 2699.8 | 2699.8 | 2699.8 | 2699.8 | 2699.8 |



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CATALOG NUMBER: 1270-44-CFL/8/39

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 24.0 | 18.0 | 17.0 | 17.0 | 24.0 | 18.0 |
| 92.5° | 244.3 | 213.5 | 193.6 | 207.2 | 244.3 | 213.5 |
| 95° | 657.8 | 550.1 | 589.0 | 620.7 | 657.8 | 550.1 |
| 97.5° | 1086.6 | 841.4 | 999.8 | 1043.2 | 1086.6 | 841.4 |
| 100° | 1478.4 | 1076.7 | 1454.0 | 1487.4 | 1478.4 | 1076.7 |
| 102.5° | 1881.9 | 1308.3 | 1924.4 | 1874.7 | 1881.9 | 1308.3 |
| 105° | 2252.9 | 1538.1 | 2275.5 | 2204.9 | 2252.9 | 1538.1 |
| 107.5° | 2572.2 | 1763.4 | 2574.0 | 2609.3 | 2572.2 | 1763.4 |
| 110° | 2811.1 | 1977.8 | 2835.5 | 3160.3 | 2811.1 | 1977.8 |



TEST NUMBER: 253P154

CATALOG NUMBER: 1270-44-CFL/8/39

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 3105.1 | 2171.4 | 3107.0 | 3650.7 | 3105.1 | 2171.4 |
| 115° | 3542.1 | 2469.1 | 3471.6 | 4078.7 | 3542.1 | 2469.1 |
| 117.5° | 3962.0 | 2819.2 | 3838.9 | 4425.2 | 3962.0 | 2819.2 |
| 120° | 4284.0 | 3081.6 | 4187.2 | 4604.3 | 4284.0 | 3081.6 |
| 122.5° | 4587.1 | 3346.7 | 4482.2 | 4659.5 | 4587.1 | 3346.7 |
| 125° | 4799.8 | 3557.5 | 4698.4 | 4788.9 | 4799.8 | 3557.5 |
| 127.5° | 4887.5 | 3738.5 | 4796.1 | 4995.2 | 4887.5 | 3738.5 |
| 130° | 4914.7 | 3813.6 | 4762.7 | 5251.2 | 4914.7 | 3813.6 |
| 132.5° | 4986.1 | 3844.3 | 4791.6 | 5479.2 | 4986.1 | 3844.3 |
| 135° | 5029.6 | 3962.9 | 4860.4 | 5632.1 | 5029.6 | 3962.9 |
| 137.5° | 5092.0 | 4099.5 | 4926.4 | 5739.8 | 5092.0 | 4099.5 |
| 140° | 5133.6 | 4244.2 | 4979.8 | 5810.4 | 5133.6 | 4244.2 |
| 142.5° | 5122.8 | 4371.8 | 4985.2 | 5846.6 | 5122.8 | 4371.8 |
| 145° | 5078.4 | 4446.0 | 4951.8 | 5777.8 | 5078.4 | 4446.0 |
| 147.5° | 5020.5 | 4475.9 | 4913.8 | 5587.8 | 5020.5 | 4475.9 |
| 150° | 4925.5 | 4494.9 | 4854.0 | 5311.9 | 4925.5 | 4494.9 |
| 152.5° | 4764.5 | 4457.8 | 4713.8 | 4999.7 | 4764.5 | 4457.8 |
| 155° | 4520.2 | 4343.8 | 4485.8 | 4677.6 | 4520.2 | 4343.8 |
| 157.5° | 4249.7 | 4138.4 | 4221.6 | 4343.8 | 4249.7 | 4138.4 |
| 160° | 3979.1 | 3915.8 | 3949.3 | 4030.7 | 3979.1 | 3915.8 |
| 162.5° | 3696.9 | 3677.0 | 3682.4 | 3740.3 | 3696.9 | 3677.0 |
| 165° | 3447.1 | 3440.8 | 3436.3 | 3479.7 | 3447.1 | 3440.8 |
| 167.5° | 3228.2 | 3229.1 | 3220.0 | 3229.1 | 3228.2 | 3229.1 |
| 170° | 3035.5 | 3047.2 | 3033.7 | 3021.0 | 3035.5 | 3047.2 |
| 172.5° | 2886.2 | 2888.9 | 2881.7 | 2868.1 | 2886.2 | 2888.9 |
| 175° | 2790.3 | 2779.4 | 2772.2 | 2769.5 | 2790.3 | 2779.4 |
| 177.5° | 2735.1 | 2726.0 | 2720.6 | 2716.1 | 2735.1 | 2726.0 |
| 180° | 2699.8 | 2699.8 | 2699.8 | 2699.8 | 2699.8 | 2699.8 |

(END OF REPORT)