

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P295276

Luminaire Tested: **UHB-24-UNV-L840-CD-U**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P295276  
Test Lab: Standard-Tech Co., Ltd Testing Center  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: UHB-24-UNV-L840-CD-U  
Description: UHB 200W 4000K ROUND HIGH BAY LED WITH CLEAR RING LENS  
Light Source: 4000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

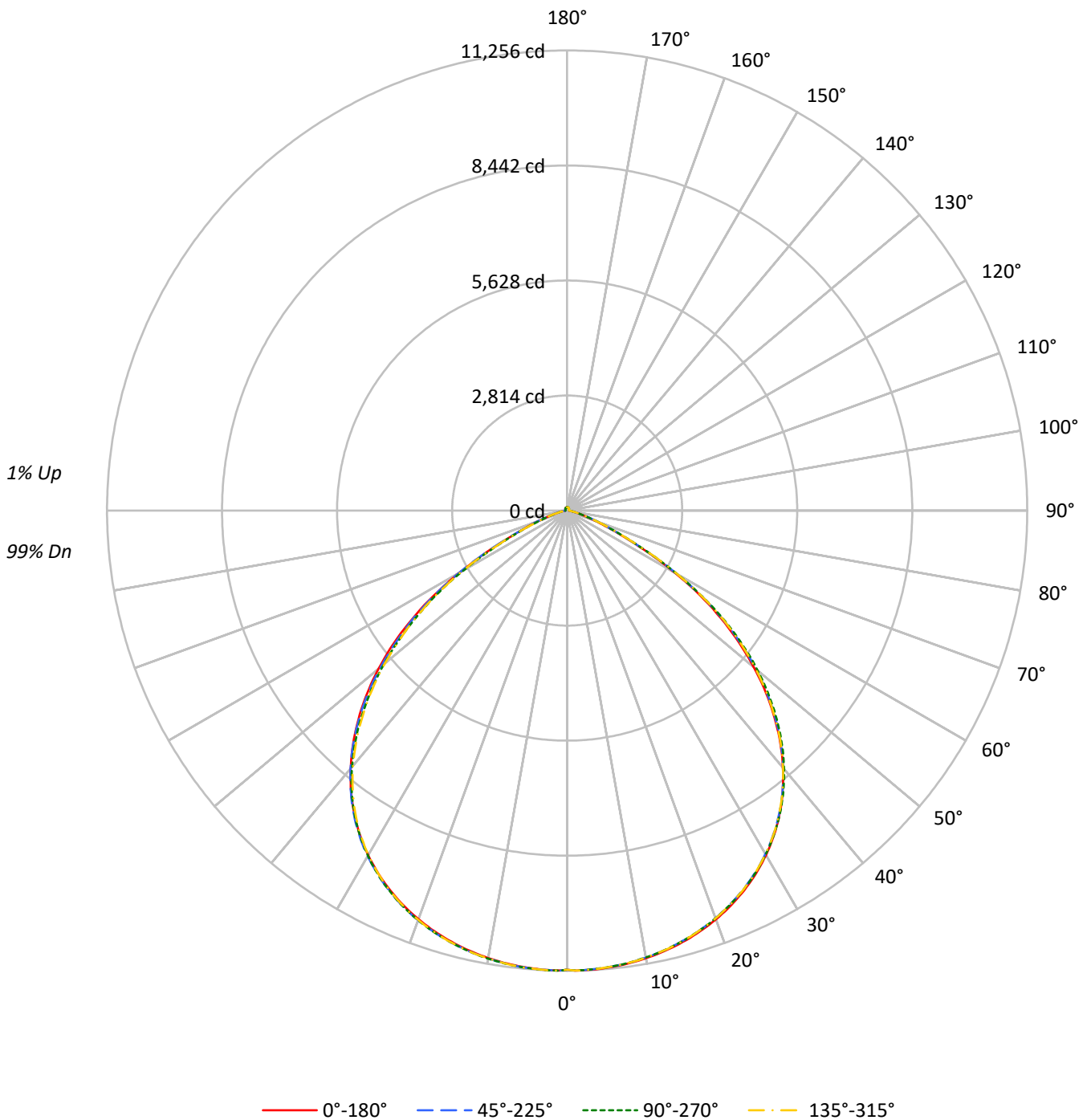
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26600.6 lumens  
Efficiency: N/A  
Efficacy: 135.0 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.35  
Luminous Opening: Circular (Dia: 0.36m x H: 0m)  
CIE Type: Direct  
  
Input Watts (W): 197  
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

TEST NUMBER: P295276

CATALOG NUMBER: UHB-24-UNV-L840-CD-U

### Luminous Intensity Polar Plot





TEST NUMBER: P295276

CATALOG NUMBER: UHB-24-UNV-L840-CD-U

**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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 105 | 105 | 105 | 101 | 101 | 101 | 99 |
| 1   | 111 | 107 | 103 | 100 | 108 | 104 | 101 | 98  | 100 | 97  | 95  | 96  | 94  | 92  | 92  | 91  | 89  | 87 |
| 2   | 102 | 95  | 89  | 85  | 100 | 93  | 88  | 84  | 90  | 85  | 81  | 86  | 83  | 79  | 83  | 80  | 78  | 75 |
| 3   | 94  | 85  | 78  | 72  | 92  | 83  | 77  | 72  | 80  | 75  | 70  | 77  | 73  | 69  | 75  | 71  | 68  | 65 |
| 4   | 87  | 76  | 68  | 62  | 85  | 75  | 68  | 62  | 72  | 66  | 61  | 70  | 64  | 60  | 68  | 63  | 59  | 57 |
| 5   | 80  | 69  | 60  | 54  | 78  | 67  | 60  | 54  | 65  | 59  | 53  | 63  | 57  | 53  | 61  | 56  | 52  | 50 |
| 6   | 74  | 62  | 54  | 48  | 72  | 61  | 53  | 48  | 59  | 52  | 47  | 57  | 51  | 47  | 56  | 50  | 46  | 44 |
| 7   | 69  | 57  | 48  | 43  | 67  | 56  | 48  | 42  | 54  | 47  | 42  | 53  | 46  | 42  | 51  | 46  | 41  | 40 |
| 8   | 64  | 52  | 44  | 38  | 63  | 51  | 43  | 38  | 50  | 43  | 38  | 48  | 42  | 38  | 47  | 41  | 37  | 35 |
| 9   | 60  | 48  | 40  | 35  | 59  | 47  | 39  | 34  | 46  | 39  | 34  | 45  | 38  | 34  | 43  | 38  | 34  | 32 |
| 10  | 56  | 44  | 36  | 31  | 55  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 40  | 35  | 31  | 29 |

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

|     | 0°     | 90°    | 180°   | 270°   |
|-----|--------|--------|--------|--------|
| 0°  | 113451 | 113451 | 113451 | 113451 |
| 5°  | 113853 | 113739 | 113817 | 113899 |
| 10° | 114057 | 113881 | 114017 | 114175 |
| 15° | 114280 | 114029 | 114219 | 114464 |
| 20° | 114412 | 114092 | 114357 | 114660 |
| 25° | 114240 | 113932 | 114214 | 114495 |
| 30° | 113515 | 113335 | 113570 | 113706 |
| 35° | 111734 | 111848 | 111925 | 111829 |
| 40° | 108319 | 108916 | 108669 | 108000 |
| 45° | 102564 | 103780 | 103194 | 101498 |
| 50° | 93713  | 95670  | 94733  | 91995  |
| 55° | 80888  | 83019  | 81742  | 78483  |
| 60° | 61673  | 63043  | 61738  | 59374  |
| 65° | 37786  | 39187  | 37690  | 36002  |
| 70° | 21673  | 22988  | 21330  | 20518  |
| 75° | 12889  | 12636  | 12312  | 11843  |
| 80° | 8657   | 8948   | 8780   | 8419   |
| 85° | 6329   | 6607   | 6631   | 6352   |



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1067.9  | 4.0       |
| 10°-20°   | 3084.3  | 11.6      |
| 20°-30°   | 4718.4  | 17.7      |
| 30°-40°   | 5652.1  | 21.2      |
| 40°-50°   | 5510.0  | 20.7      |
| 50°-60°   | 4069.6  | 15.3      |
| 60°-70°   | 1677.8  | 6.3       |
| 70°-80°   | 395.1   | 1.5       |
| 80°-90°   | 79.8    | 0.3       |
| 90°-100°  | 46.4    | 0.2       |
| 100°-110° | 46.9    | 0.2       |
| 110°-120° | 48.4    | 0.2       |
| 120°-130° | 49.5    | 0.2       |
| 130°-140° | 47.7    | 0.2       |
| 140°-150° | 42.4    | 0.2       |
| 150°-160° | 34.1    | 0.1       |
| 160°-170° | 22.4    | 0.1       |
| 170°-180° | 7.8     | 0.0       |
| 0°-30°    | 8870.6  | 33.3      |
| 0°-40°    | 14522.7 | 54.6      |
| 0°-60°    | 24102.3 | 90.6      |
| 0°-90°    | 26255.1 | 98.7      |
| 90°-120°  | 141.6   | 0.5       |
| 90°-150°  | 281.2   | 1.1       |
| 90°-180°  | 346.0   | 1.3       |
| 0°-180°   | 26600.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°    | 90°   | 180°  | 270°  | 360°  | Flux |
|------|-------|-------|-------|-------|-------|------|
| 0°   | 11229 | 11229 | 11229 | 11229 | 11229 |      |
| 5°   | 11226 | 11215 | 11223 | 11231 | 11226 | ###  |
| 15°  | 10926 | 10902 | 10920 | 10944 | 10926 | 3085 |
| 25°  | 10248 | 10220 | 10246 | 10271 | 10248 | 4721 |
| 35°  | 9059  | 9069  | 9075  | 9067  | 9059  | 5653 |
| 45°  | 7178  | 7264  | 7222  | 7104  | 7178  | 5510 |
| 55°  | 4592  | 4713  | 4641  | 4456  | 4592  | 4067 |
| 65°  | 1581  | 1639  | 1577  | 1506  | 1581  | 1666 |
| 75°  | 330   | 324   | 315   | 303   | 330   | 383  |
| 85°  | 55    | 57    | 57    | 55    | 55    | 65   |
| 90°  | 42    | 43    | 43    | 42    | 42    | 23   |
| 95°  | 42    | 43    | 43    | 42    | 42    | 34   |
| 105° | 43    | 46    | 46    | 43    | 43    | 45   |
| 115° | 47    | 51    | 51    | 46    | 47    | 46   |
| 125° | 53    | 57    | 58    | 53    | 53    | 47   |
| 135° | 59    | 64    | 64    | 59    | 59    | 46   |
| 145° | 66    | 70    | 70    | 65    | 66    | 41   |
| 155° | 72    | 76    | 76    | 72    | 72    | 33   |
| 165° | 79    | 80    | 80    | 79    | 79    | 22   |
| 175° | 82    | 82    | 82    | 82    | 82    | 8    |
| 180° | 83    | 83    | 83    | 83    | 83    |      |



TEST NUMBER: P295276

CATALOG NUMBER: UHB-24-UNV-L840-CD-U

**CANDELA DISTRIBUTION (FULL):**

|     | 0°      | 30°     | 60°     | 90°     | 120°    | 150°    | 180°    | 210°    | 240°    | 270°    | 300°    |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°  | 11229.4 | 11229.4 | 11229.4 | 11229.4 | 11229.4 | 11229.4 | 11229.4 | 11229.4 | 11229.4 | 11229.4 | 11229.4 |
| 1°  | 11255.1 | 11253.5 | 11252.7 | 11253.2 | 11252.4 | 11253.8 | 11254.3 | 11255.8 | 11255.6 | 11256.0 | 11256.6 |
| 2°  | 11252.6 | 11248.6 | 11247.9 | 11247.3 | 11246.7 | 11249.0 | 11251.2 | 11253.0 | 11253.2 | 11254.0 | 11254.7 |
| 3°  | 11246.8 | 11241.4 | 11240.1 | 11239.9 | 11238.8 | 11242.3 | 11244.3 | 11247.4 | 11248.2 | 11249.5 | 11250.4 |
| 4°  | 11238.2 | 11231.0 | 11229.4 | 11229.1 | 11228.2 | 11232.5 | 11234.9 | 11239.1 | 11240.0 | 11241.7 | 11243.5 |
| 5°  | 11226.3 | 11216.9 | 11216.2 | 11215.0 | 11213.6 | 11219.8 | 11222.7 | 11228.6 | 11228.8 | 11230.8 | 11233.2 |
| 6°  | 11211.1 | 11200.8 | 11199.4 | 11198.4 | 11196.4 | 11204.9 | 11207.5 | 11215.1 | 11215.2 | 11217.0 | 11219.6 |
| 7°  | 11193.0 | 11180.8 | 11179.3 | 11179.1 | 11176.2 | 11186.3 | 11189.0 | 11198.0 | 11198.5 | 11200.1 | 11202.7 |
| 8°  | 11171.2 | 11157.7 | 11156.0 | 11156.2 | 11153.7 | 11164.0 | 11167.0 | 11177.9 | 11177.6 | 11179.7 | 11182.8 |
| 9°  | 11146.3 | 11131.0 | 11129.8 | 11129.3 | 11126.2 | 11138.4 | 11141.6 | 11154.1 | 11153.9 | 11156.0 | 11160.1 |
| 10° | 11117.8 | 11101.8 | 11100.6 | 11100.7 | 11096.3 | 11109.4 | 11113.9 | 11127.5 | 11127.4 | 11129.3 | 11133.8 |
| 11° | 11086.1 | 11068.8 | 11067.1 | 11067.4 | 11062.6 | 11076.6 | 11081.8 | 11097.3 | 11097.0 | 11099.6 | 11102.6 |
| 12° | 11051.5 | 11032.2 | 11030.0 | 11030.9 | 11025.7 | 11040.7 | 11046.4 | 11063.9 | 11063.1 | 11065.9 | 11069.6 |
| 13° | 11013.4 | 10992.7 | 10990.8 | 10991.5 | 10985.9 | 11002.7 | 11007.7 | 11026.8 | 11025.3 | 11028.5 | 11032.9 |
| 14° | 10971.5 | 10949.2 | 10947.3 | 10948.3 | 10942.6 | 10959.8 | 10965.9 | 10986.3 | 10984.3 | 10987.8 | 10992.1 |
| 15° | 10926.0 | 10902.0 | 10900.0 | 10902.0 | 10895.3 | 10913.7 | 10920.2 | 10943.2 | 10940.2 | 10943.6 | 10948.0 |
| 16° | 10877.2 | 10851.7 | 10849.2 | 10851.7 | 10844.0 | 10863.9 | 10871.1 | 10894.5 | 10891.7 | 10895.5 | 10899.5 |
| 17° | 10824.3 | 10797.9 | 10794.8 | 10797.2 | 10789.0 | 10809.9 | 10818.2 | 10843.6 | 10839.5 | 10844.7 | 10848.2 |
| 18° | 10767.6 | 10739.2 | 10735.8 | 10739.5 | 10730.9 | 10752.3 | 10761.7 | 10787.6 | 10783.4 | 10788.8 | 10791.8 |
| 19° | 10705.9 | 10677.2 | 10673.7 | 10678.4 | 10668.5 | 10690.5 | 10700.5 | 10727.8 | 10723.3 | 10728.5 | 10732.3 |
| 20° | 10641.5 | 10610.7 | 10606.9 | 10611.8 | 10602.6 | 10625.9 | 10636.4 | 10664.6 | 10659.9 | 10664.6 | 10667.6 |
| 21° | 10572.1 | 10540.4 | 10535.9 | 10541.8 | 10531.8 | 10555.2 | 10566.8 | 10597.6 | 10590.2 | 10595.4 | 10598.3 |
| 22° | 10498.2 | 10465.7 | 10461.2 | 10468.2 | 10456.1 | 10482.8 | 10493.4 | 10524.4 | 10518.0 | 10522.2 | 10524.4 |
| 23° | 10420.0 | 10385.7 | 10383.2 | 10390.1 | 10376.9 | 10403.4 | 10415.4 | 10446.9 | 10438.8 | 10442.9 | 10445.9 |
| 24° | 10335.7 | 10303.3 | 10300.9 | 10308.4 | 10292.9 | 10319.6 | 10332.7 | 10365.5 | 10356.3 | 10360.3 | 10362.7 |
| 25° | 10248.0 | 10214.4 | 10212.7 | 10220.4 | 10204.7 | 10232.5 | 10245.7 | 10278.5 | 10268.3 | 10270.9 | 10272.7 |
| 26° | 10155.4 | 10121.3 | 10120.3 | 10129.9 | 10112.4 | 10141.3 | 10152.8 | 10188.0 | 10175.5 | 10178.5 | 10178.0 |
| 27° | 10057.3 | 10022.2 | 10023.5 | 10034.0 | 10013.8 | 10044.7 | 10057.6 | 10092.1 | 10078.5 | 10079.8 | 10078.0 |
| 28° | 9953.6  | 9918.0  | 9920.6  | 9933.2  | 9910.1  | 9940.7  | 9953.9  | 9989.5  | 9973.3  | 9974.2  | 9971.4  |
| 29° | 9845.4  | 9810.6  | 9814.6  | 9826.2  | 9801.1  | 9831.9  | 9847.6  | 9882.8  | 9865.4  | 9864.5  | 9860.8  |
| 30° | 9730.4  | 9695.7  | 9701.5  | 9715.0  | 9687.1  | 9718.9  | 9735.1  | 9768.8  | 9748.8  | 9746.8  | 9743.0  |
| 31° | 9610.6  | 9576.3  | 9584.3  | 9598.0  | 9568.3  | 9600.6  | 9615.7  | 9651.9  | 9629.4  | 9626.2  | 9618.0  |
| 32° | 9482.2  | 9450.6  | 9459.1  | 9475.8  | 9441.4  | 9476.0  | 9490.4  | 9525.8  | 9501.8  | 9497.2  | 9488.3  |
| 33° | 9349.5  | 9319.5  | 9329.3  | 9345.3  | 9309.6  | 9344.8  | 9358.0  | 9394.0  | 9366.9  | 9362.5  | 9350.5  |
| 34° | 9209.6  | 9180.8  | 9194.2  | 9211.5  | 9170.8  | 9206.9  | 9220.5  | 9255.6  | 9227.0  | 9219.3  | 9204.4  |
| 35° | 9059.3  | 9033.9  | 9051.1  | 9068.6  | 9025.1  | 9063.1  | 9074.8  | 9108.9  | 9076.5  | 9067.0  | 9049.3  |
| 36° | 8907.7  | 8883.0  | 8904.9  | 8920.8  | 8874.3  | 8912.5  | 8922.5  | 8956.8  | 8921.6  | 8908.7  | 8889.3  |
| 37° | 8743.6  | 8723.3  | 8747.4  | 8764.3  | 8715.2  | 8753.7  | 8763.0  | 8794.9  | 8757.9  | 8741.9  | 8719.6  |
| 38° | 8574.3  | 8558.6  | 8586.0  | 8603.5  | 8550.3  | 8589.5  | 8595.8  | 8628.0  | 8585.0  | 8566.4  | 8539.8  |
| 39° | 8396.4  | 8383.3  | 8415.7  | 8433.1  | 8375.6  | 8416.3  | 8422.4  | 8453.3  | 8404.4  | 8383.0  | 8354.5  |
| 40° | 8213.1  | 8205.3  | 8239.9  | 8258.3  | 8195.1  | 8236.8  | 8239.6  | 8267.2  | 8217.0  | 8188.9  | 8158.0  |
| 41° | 8019.6  | 8017.4  | 8057.2  | 8072.8  | 8006.2  | 8050.6  | 8051.6  | 8078.5  | 8022.6  | 7988.0  | 7956.1  |
| 42° | 7820.8  | 7819.1  | 7864.0  | 7883.3  | 7808.2  | 7858.2  | 7856.2  | 7877.7  | 7815.6  | 7776.4  | 7745.3  |
| 43° | 7615.8  | 7619.0  | 7665.7  | 7683.8  | 7607.4  | 7657.0  | 7650.7  | 7670.2  | 7605.2  | 7562.1  | 7527.8  |
| 44° | 7398.2  | 7404.8  | 7456.8  | 7477.4  | 7393.2  | 7446.6  | 7441.5  | 7454.8  | 7383.6  | 7337.9  | 7299.4  |



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**CANDELA DISTRIBUTION (continued):**

|     | 0°     | 30°    | 60°    | 90°    | 120°   | 150°   | 180°   | 210°   | 240°   | 270°   | 300°   |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 45° | 7178.4 | 7189.1 | 7245.0 | 7263.5 | 7176.2 | 7231.5 | 7222.5 | 7232.1 | 7157.1 | 7103.8 | 7067.3 |
| 46° | 6948.8 | 6964.2 | 7024.8 | 7042.6 | 6950.2 | 7007.6 | 6999.3 | 7003.2 | 6923.5 | 6864.7 | 6834.1 |
| 47° | 6713.4 | 6731.1 | 6795.1 | 6812.7 | 6718.8 | 6775.5 | 6763.6 | 6762.5 | 6677.0 | 6621.5 | 6587.5 |
| 48° | 6471.0 | 6491.9 | 6560.7 | 6581.0 | 6484.0 | 6540.2 | 6526.0 | 6519.6 | 6428.1 | 6369.9 | 6338.8 |
| 49° | 6217.6 | 6243.1 | 6318.6 | 6338.3 | 6238.7 | 6296.9 | 6280.9 | 6264.0 | 6169.6 | 6114.5 | 6084.0 |
| 50° | 5962.3 | 5991.6 | 6068.2 | 6086.8 | 5991.0 | 6045.6 | 6027.2 | 6003.0 | 5899.7 | 5853.0 | 5825.6 |
| 51° | 5695.8 | 5732.2 | 5812.2 | 5831.3 | 5737.2 | 5790.7 | 5764.2 | 5738.3 | 5629.8 | 5582.9 | 5557.9 |
| 52° | 5429.4 | 5467.7 | 5548.8 | 5563.2 | 5474.1 | 5528.9 | 5495.7 | 5462.8 | 5354.0 | 5309.9 | 5291.1 |
| 53° | 5156.6 | 5198.1 | 5277.9 | 5289.8 | 5205.5 | 5260.7 | 5218.4 | 5190.6 | 5076.8 | 5025.9 | 5012.7 |
| 54° | 4874.8 | 4920.9 | 4997.8 | 5006.7 | 4926.4 | 4984.0 | 4930.6 | 4911.6 | 4794.2 | 4742.9 | 4734.3 |
| 55° | 4592.2 | 4635.6 | 4708.4 | 4713.2 | 4644.9 | 4701.0 | 4640.7 | 4631.3 | 4514.7 | 4455.7 | 4452.7 |
| 56° | 4298.8 | 4346.8 | 4410.7 | 4410.4 | 4349.9 | 4409.5 | 4339.7 | 4338.7 | 4223.6 | 4160.1 | 4163.4 |
| 57° | 4001.2 | 4043.9 | 4097.9 | 4094.8 | 4049.3 | 4111.7 | 4027.0 | 4044.5 | 3931.5 | 3867.4 | 3875.0 |
| 58° | 3691.4 | 3729.5 | 3779.1 | 3771.3 | 3738.3 | 3803.1 | 3712.2 | 3741.9 | 3636.2 | 3563.3 | 3581.5 |
| 59° | 3377.5 | 3401.7 | 3448.9 | 3445.8 | 3421.2 | 3480.4 | 3382.4 | 3427.0 | 3331.1 | 3255.5 | 3284.6 |
| 60° | 3052.2 | 3072.8 | 3118.9 | 3120.0 | 3102.4 | 3152.7 | 3055.4 | 3114.8 | 3020.3 | 2938.4 | 2980.3 |
| 61° | 2736.1 | 2745.2 | 2802.6 | 2801.0 | 2780.4 | 2827.8 | 2729.8 | 2804.7 | 2702.0 | 2616.1 | 2674.2 |
| 62° | 2420.0 | 2428.5 | 2486.3 | 2481.9 | 2462.6 | 2502.9 | 2412.4 | 2494.6 | 2394.0 | 2306.4 | 2368.1 |
| 63° | 2104.2 | 2123.0 | 2170.3 | 2163.5 | 2158.4 | 2178.3 | 2109.6 | 2185.0 | 2099.6 | 2012.1 | 2062.7 |
| 64° | 1827.2 | 1840.1 | 1891.6 | 1887.2 | 1878.2 | 1889.0 | 1828.4 | 1901.1 | 1828.4 | 1747.4 | 1787.4 |
| 65° | 1580.6 | 1586.2 | 1642.9 | 1639.2 | 1622.7 | 1628.1 | 1576.6 | 1641.5 | 1587.3 | 1506.0 | 1540.3 |
| 66° | 1361.0 | 1365.0 | 1420.6 | 1419.6 | 1406.0 | 1404.4 | 1350.6 | 1404.7 | 1366.5 | 1294.5 | 1319.9 |
| 67° | 1168.3 | 1181.3 | 1227.6 | 1227.5 | 1221.2 | 1210.9 | 1158.6 | 1202.9 | 1178.4 | 1108.9 | 1128.4 |
| 68° | 1001.6 | 1041.6 | 1061.6 | 1058.3 | 1073.1 | 1042.7 | 1012.4 | 1031.4 | 1037.4 | 962.5  | 966.8  |
| 69° | 854.6  | 903.0  | 915.8  | 911.8  | 925.6  | 898.0  | 867.2  | 888.8  | 897.5  | 816.2  | 834.2  |
| 70° | 733.7  | 764.3  | 791.7  | 778.2  | 778.1  | 769.2  | 722.1  | 762.0  | 757.7  | 694.6  | 718.2  |
| 71° | 621.2  | 655.6  | 676.8  | 660.2  | 670.7  | 652.0  | 617.0  | 655.4  | 664.8  | 584.9  | 614.5  |
| 72° | 515.1  | 561.8  | 576.2  | 556.5  | 569.6  | 551.7  | 519.2  | 560.9  | 562.1  | 489.9  | 526.6  |
| 73° | 438.2  | 474.7  | 499.4  | 469.9  | 485.0  | 473.7  | 430.1  | 477.8  | 480.3  | 408.6  | 454.3  |
| 74° | 383.9  | 405.3  | 435.2  | 386.4  | 413.4  | 400.8  | 368.7  | 409.8  | 409.4  | 356.5  | 393.0  |
| 75° | 330.2  | 349.3  | 373.0  | 323.7  | 343.4  | 342.0  | 315.4  | 348.2  | 352.7  | 303.4  | 327.8  |
| 76° | 288.1  | 301.2  | 315.7  | 278.3  | 287.6  | 300.9  | 270.3  | 294.5  | 302.1  | 261.1  | 287.0  |
| 77° | 245.9  | 258.8  | 275.2  | 245.2  | 244.2  | 259.8  | 232.9  | 259.7  | 256.7  | 224.6  | 246.2  |
| 78° | 203.8  | 221.7  | 234.7  | 212.0  | 209.2  | 218.7  | 202.2  | 224.9  | 219.1  | 194.3  | 205.6  |
| 79° | 174.0  | 188.7  | 194.4  | 178.9  | 179.4  | 177.9  | 175.2  | 190.0  | 188.1  | 167.9  | 178.4  |
| 80° | 148.8  | 161.1  | 166.4  | 153.8  | 153.1  | 153.0  | 150.9  | 162.1  | 160.0  | 144.7  | 153.4  |
| 81° | 125.8  | 134.9  | 140.7  | 130.7  | 130.5  | 131.2  | 128.6  | 137.0  | 134.1  | 123.3  | 130.0  |
| 82° | 104.0  | 112.0  | 116.1  | 109.0  | 110.1  | 110.8  | 108.8  | 113.9  | 112.0  | 101.5  | 106.7  |
| 83° | 82.8   | 89.2   | 92.7   | 88.0   | 89.8   | 90.9   | 89.0   | 91.7   | 89.9   | 79.6   | 82.3   |
| 84° | 65.6   | 66.3   | 71.1   | 69.8   | 69.5   | 71.8   | 69.2   | 71.6   | 67.8   | 64.4   | 65.4   |
| 85° | 54.6   | 54.6   | 56.4   | 57.0   | 56.5   | 58.5   | 57.2   | 57.4   | 56.2   | 54.8   | 54.8   |
| 86° | 48.6   | 48.4   | 49.8   | 50.5   | 50.2   | 51.2   | 50.6   | 51.2   | 50.1   | 48.6   | 48.6   |
| 87° | 45.2   | 45.1   | 45.5   | 46.3   | 46.1   | 46.6   | 46.2   | 46.5   | 46.1   | 45.4   | 45.3   |
| 88° | 44.3   | 44.2   | 44.4   | 45.2   | 45.0   | 45.2   | 45.2   | 45.3   | 45.1   | 44.3   | 44.3   |
| 89° | 43.0   | 43.0   | 43.4   | 44.3   | 44.1   | 44.3   | 44.2   | 44.3   | 43.8   | 42.8   | 42.9   |



TEST NUMBER: P295276

CATALOG NUMBER: UHB-24-UNV-L840-CD-U

**CANDELA DISTRIBUTION (continued):**

|      | 0°   | 30°  | 60°  | 90°  | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 90°  | 41.8 | 41.9 | 41.9 | 42.9 | 42.8 | 42.9 | 42.8 | 42.8 | 42.8 | 41.8 | 41.8 |
| 91°  | 41.8 | 41.8 | 41.8 | 42.8 | 42.7 | 42.8 | 42.8 | 42.8 | 42.8 | 41.8 | 41.7 |
| 92°  | 41.7 | 41.8 | 41.7 | 42.9 | 42.8 | 42.8 | 42.8 | 42.9 | 42.8 | 41.7 | 41.7 |
| 93°  | 41.7 | 41.7 | 41.7 | 43.0 | 42.8 | 42.9 | 43.0 | 43.0 | 43.0 | 41.7 | 41.6 |
| 94°  | 41.7 | 41.7 | 41.7 | 43.1 | 43.0 | 43.0 | 43.1 | 43.1 | 43.1 | 41.6 | 41.6 |
| 95°  | 41.7 | 41.7 | 41.7 | 43.2 | 43.1 | 43.2 | 43.2 | 43.3 | 43.2 | 41.6 | 41.6 |
| 96°  | 41.7 | 41.7 | 41.7 | 43.4 | 43.2 | 43.3 | 43.4 | 43.4 | 43.4 | 41.6 | 41.6 |
| 97°  | 41.7 | 41.7 | 41.7 | 43.5 | 43.4 | 43.4 | 43.5 | 43.6 | 43.6 | 41.6 | 41.6 |
| 98°  | 41.7 | 41.7 | 41.7 | 43.7 | 43.6 | 43.6 | 43.7 | 43.8 | 43.8 | 41.7 | 41.7 |
| 99°  | 41.8 | 41.8 | 41.8 | 43.9 | 43.8 | 43.8 | 43.9 | 44.0 | 44.0 | 41.7 | 41.7 |
| 100° | 41.9 | 41.9 | 41.9 | 44.1 | 44.0 | 44.0 | 44.1 | 44.2 | 44.2 | 41.8 | 41.8 |
| 101° | 42.0 | 42.0 | 42.0 | 44.4 | 44.3 | 44.3 | 44.4 | 44.5 | 44.5 | 41.9 | 41.9 |
| 102° | 42.1 | 42.1 | 42.1 | 44.6 | 44.5 | 44.5 | 44.6 | 44.7 | 44.8 | 42.1 | 42.1 |
| 103° | 42.3 | 42.3 | 42.2 | 44.9 | 44.8 | 44.8 | 44.9 | 45.0 | 45.1 | 42.3 | 42.2 |
| 104° | 42.5 | 42.6 | 42.5 | 45.3 | 45.2 | 45.2 | 45.3 | 45.4 | 45.5 | 42.5 | 42.5 |
| 105° | 42.8 | 42.9 | 42.8 | 45.6 | 45.6 | 45.6 | 45.7 | 45.8 | 45.9 | 42.7 | 42.7 |
| 106° | 43.0 | 43.1 | 43.0 | 46.0 | 46.0 | 46.0 | 46.1 | 46.2 | 46.3 | 43.0 | 43.0 |
| 107° | 43.3 | 43.4 | 43.2 | 46.5 | 46.4 | 46.4 | 46.5 | 46.6 | 46.7 | 43.2 | 43.2 |
| 108° | 43.6 | 43.8 | 43.5 | 46.9 | 46.8 | 46.8 | 46.9 | 47.1 | 47.2 | 43.6 | 43.6 |
| 109° | 43.9 | 44.2 | 43.9 | 47.4 | 47.3 | 47.4 | 47.4 | 47.6 | 47.7 | 43.9 | 44.0 |
| 110° | 44.3 | 44.6 | 44.3 | 47.8 | 47.8 | 47.8 | 47.9 | 48.1 | 48.2 | 44.3 | 44.4 |
| 111° | 44.7 | 45.0 | 44.7 | 48.4 | 48.3 | 48.4 | 48.4 | 48.6 | 48.7 | 44.6 | 44.7 |
| 112° | 45.1 | 45.3 | 45.1 | 48.9 | 48.9 | 48.9 | 48.9 | 49.1 | 49.1 | 45.0 | 45.2 |
| 113° | 45.6 | 45.7 | 45.5 | 49.4 | 49.4 | 49.4 | 49.4 | 49.6 | 49.7 | 45.5 | 45.6 |
| 114° | 46.0 | 46.1 | 46.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.2 | 50.3 | 46.0 | 46.1 |
| 115° | 46.6 | 46.6 | 46.4 | 50.6 | 50.6 | 50.6 | 50.6 | 50.8 | 50.9 | 46.5 | 46.6 |
| 116° | 47.1 | 47.2 | 46.8 | 51.2 | 51.2 | 51.2 | 51.3 | 51.4 | 51.5 | 47.1 | 47.1 |
| 117° | 47.7 | 47.8 | 47.4 | 51.9 | 51.9 | 51.9 | 52.0 | 52.1 | 52.3 | 47.6 | 47.7 |
| 118° | 48.3 | 48.4 | 48.1 | 52.6 | 52.7 | 52.6 | 52.7 | 52.9 | 53.0 | 48.3 | 48.3 |
| 119° | 49.0 | 49.1 | 48.8 | 53.3 | 53.4 | 53.4 | 53.4 | 53.6 | 53.7 | 49.0 | 49.0 |
| 120° | 49.7 | 49.8 | 49.6 | 54.0 | 54.0 | 54.1 | 54.1 | 54.3 | 54.4 | 49.6 | 49.7 |
| 121° | 50.3 | 50.5 | 50.3 | 54.7 | 54.7 | 54.8 | 54.8 | 55.0 | 55.1 | 50.3 | 50.4 |
| 122° | 51.0 | 51.2 | 50.9 | 55.4 | 55.4 | 55.4 | 55.5 | 55.7 | 55.8 | 51.0 | 51.1 |
| 123° | 51.6 | 51.8 | 51.5 | 56.1 | 56.1 | 56.1 | 56.2 | 56.4 | 56.5 | 51.6 | 51.7 |
| 124° | 52.2 | 52.5 | 52.2 | 56.7 | 56.7 | 56.7 | 56.8 | 57.0 | 57.1 | 52.2 | 52.3 |
| 125° | 52.9 | 53.0 | 52.7 | 57.4 | 57.4 | 57.4 | 57.5 | 57.7 | 57.8 | 53.0 | 52.9 |
| 126° | 53.6 | 53.7 | 53.4 | 58.1 | 58.0 | 58.0 | 58.2 | 58.3 | 58.4 | 53.6 | 53.6 |
| 127° | 54.3 | 54.3 | 54.1 | 58.8 | 58.7 | 58.7 | 58.8 | 59.0 | 59.0 | 54.3 | 54.3 |
| 128° | 55.0 | 55.0 | 54.8 | 59.5 | 59.3 | 59.3 | 59.5 | 59.6 | 59.7 | 55.0 | 55.0 |
| 129° | 55.6 | 55.7 | 55.5 | 60.1 | 60.0 | 60.0 | 60.1 | 60.3 | 60.4 | 55.6 | 55.6 |
| 130° | 56.3 | 56.3 | 56.2 | 60.7 | 60.7 | 60.7 | 60.8 | 61.0 | 61.1 | 56.3 | 56.3 |
| 131° | 56.9 | 57.0 | 56.8 | 61.4 | 61.4 | 61.4 | 61.4 | 61.6 | 61.8 | 56.9 | 57.0 |
| 132° | 57.6 | 57.6 | 57.5 | 62.1 | 62.0 | 62.0 | 62.1 | 62.3 | 62.4 | 57.5 | 57.7 |
| 133° | 58.2 | 58.2 | 58.2 | 62.7 | 62.6 | 62.6 | 62.7 | 62.9 | 63.0 | 58.1 | 58.4 |
| 134° | 58.8 | 58.8 | 58.7 | 63.3 | 63.2 | 63.2 | 63.2 | 63.4 | 63.6 | 58.7 | 59.0 |





TEST NUMBER: P295276

CATALOG NUMBER: UHB-24-UNV-L840-CD-U

**CANDELA DISTRIBUTION (continued):**

|      | 0°   | 30°  | 60°  | 90°  | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 135° | 59.4 | 59.3 | 59.3 | 63.9 | 63.8 | 63.8 | 63.8 | 64.0 | 64.1 | 59.2 | 59.5 |
| 136° | 59.9 | 60.0 | 59.8 | 64.4 | 64.3 | 64.4 | 64.4 | 64.5 | 64.6 | 59.7 | 59.9 |
| 137° | 60.6 | 60.7 | 60.5 | 65.0 | 64.8 | 64.9 | 64.9 | 65.0 | 65.2 | 60.4 | 60.6 |
| 138° | 61.3 | 61.3 | 61.2 | 65.6 | 65.5 | 65.5 | 65.6 | 65.6 | 65.8 | 61.0 | 61.3 |
| 139° | 61.8 | 61.9 | 61.8 | 66.2 | 66.0 | 66.1 | 66.1 | 66.2 | 66.3 | 61.6 | 61.9 |
| 140° | 62.4 | 62.4 | 62.3 | 66.7 | 66.6 | 66.7 | 66.7 | 66.8 | 66.9 | 62.2 | 62.4 |
| 141° | 63.0 | 63.0 | 62.9 | 67.3 | 67.3 | 67.3 | 67.3 | 67.5 | 67.5 | 62.8 | 63.0 |
| 142° | 63.6 | 63.6 | 63.6 | 67.9 | 67.9 | 67.9 | 67.9 | 68.1 | 68.1 | 63.5 | 63.7 |
| 143° | 64.3 | 64.2 | 64.2 | 68.6 | 68.5 | 68.5 | 68.5 | 68.7 | 68.7 | 64.2 | 64.3 |
| 144° | 64.8 | 64.8 | 64.8 | 69.2 | 69.0 | 69.1 | 69.1 | 69.3 | 69.2 | 64.8 | 64.9 |
| 145° | 65.5 | 65.5 | 65.4 | 69.7 | 69.6 | 69.6 | 69.6 | 69.8 | 69.8 | 65.4 | 65.6 |
| 146° | 66.2 | 66.2 | 66.1 | 70.2 | 70.2 | 70.3 | 70.2 | 70.4 | 70.5 | 66.1 | 66.3 |
| 147° | 66.8 | 66.9 | 66.8 | 70.8 | 70.9 | 70.9 | 71.0 | 71.1 | 71.1 | 66.8 | 66.9 |
| 148° | 67.5 | 67.5 | 67.4 | 71.4 | 71.5 | 71.6 | 71.6 | 71.8 | 71.8 | 67.4 | 67.6 |
| 149° | 68.1 | 68.0 | 68.0 | 72.0 | 72.1 | 72.2 | 72.2 | 72.4 | 72.4 | 68.0 | 68.2 |
| 150° | 68.7 | 68.7 | 68.7 | 72.7 | 72.7 | 72.8 | 72.8 | 73.0 | 72.9 | 68.6 | 68.9 |
| 151° | 69.5 | 69.4 | 69.3 | 73.4 | 73.3 | 73.5 | 73.4 | 73.6 | 73.5 | 69.2 | 69.6 |
| 152° | 70.2 | 70.1 | 70.1 | 74.1 | 73.9 | 74.1 | 74.0 | 74.2 | 74.2 | 69.9 | 70.3 |
| 153° | 70.9 | 70.9 | 70.8 | 74.7 | 74.6 | 74.7 | 74.6 | 74.8 | 74.8 | 70.6 | 71.0 |
| 154° | 71.6 | 71.5 | 71.5 | 75.3 | 75.2 | 75.3 | 75.3 | 75.4 | 75.4 | 71.4 | 71.6 |
| 155° | 72.1 | 72.1 | 72.2 | 76.0 | 75.8 | 75.9 | 75.9 | 76.0 | 76.0 | 72.0 | 72.2 |
| 156° | 72.7 | 72.7 | 72.8 | 76.6 | 76.4 | 76.5 | 76.4 | 76.6 | 76.5 | 72.7 | 72.8 |
| 157° | 73.5 | 73.4 | 73.4 | 77.1 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 73.5 | 73.6 |
| 158° | 74.2 | 74.2 | 74.1 | 77.6 | 77.4 | 77.5 | 77.4 | 77.5 | 77.5 | 74.1 | 74.3 |
| 159° | 75.0 | 74.8 | 74.8 | 78.0 | 77.8 | 77.9 | 77.8 | 77.9 | 77.9 | 74.8 | 75.0 |
| 160° | 75.6 | 75.5 | 75.5 | 78.4 | 78.2 | 78.2 | 78.2 | 78.3 | 78.2 | 75.5 | 75.7 |
| 161° | 76.3 | 76.2 | 76.2 | 78.7 | 78.5 | 78.6 | 78.5 | 78.6 | 78.5 | 76.2 | 76.4 |
| 162° | 77.0 | 76.8 | 76.9 | 79.1 | 78.8 | 78.9 | 78.8 | 78.9 | 78.9 | 76.8 | 77.0 |
| 163° | 77.6 | 77.5 | 77.5 | 79.4 | 79.1 | 79.2 | 79.1 | 79.2 | 79.2 | 77.5 | 77.7 |
| 164° | 78.3 | 78.1 | 78.1 | 79.8 | 79.5 | 79.6 | 79.5 | 79.6 | 79.5 | 78.2 | 78.3 |
| 165° | 78.9 | 78.8 | 78.8 | 80.1 | 79.8 | 79.9 | 79.8 | 79.9 | 79.8 | 78.8 | 78.9 |
| 166° | 79.4 | 79.4 | 79.4 | 80.3 | 80.1 | 80.2 | 80.0 | 80.1 | 80.0 | 79.4 | 79.5 |
| 167° | 80.0 | 79.9 | 80.0 | 80.6 | 80.3 | 80.4 | 80.2 | 80.4 | 80.2 | 80.0 | 80.0 |
| 168° | 80.4 | 80.3 | 80.4 | 80.7 | 80.4 | 80.6 | 80.4 | 80.5 | 80.4 | 80.6 | 80.5 |
| 169° | 80.8 | 80.6 | 80.7 | 80.8 | 80.6 | 80.7 | 80.5 | 80.6 | 80.5 | 80.9 | 80.9 |
| 170° | 81.2 | 81.0 | 81.0 | 81.1 | 80.8 | 81.0 | 80.8 | 81.0 | 80.8 | 81.1 | 81.2 |
| 171° | 81.4 | 81.3 | 81.4 | 81.4 | 81.2 | 81.3 | 81.1 | 81.2 | 81.1 | 81.4 | 81.5 |
| 172° | 81.7 | 81.5 | 81.7 | 81.7 | 81.5 | 81.6 | 81.4 | 81.6 | 81.4 | 81.6 | 81.8 |
| 173° | 81.8 | 81.6 | 81.7 | 81.9 | 81.7 | 81.8 | 81.6 | 81.8 | 81.6 | 81.8 | 82.0 |
| 174° | 82.3 | 82.0 | 82.1 | 82.1 | 81.8 | 82.0 | 81.7 | 81.9 | 81.7 | 82.1 | 82.4 |
| 175° | 82.4 | 82.2 | 82.3 | 82.2 | 81.9 | 82.0 | 81.8 | 82.0 | 81.8 | 82.3 | 82.5 |
| 176° | 82.5 | 82.3 | 82.4 | 82.3 | 82.0 | 82.1 | 81.9 | 82.1 | 81.9 | 82.3 | 82.6 |
| 177° | 82.8 | 82.6 | 82.8 | 82.4 | 82.1 | 82.2 | 82.0 | 82.1 | 82.0 | 82.7 | 82.9 |
| 178° | 82.9 | 82.7 | 82.9 | 82.6 | 82.3 | 82.5 | 82.2 | 82.4 | 82.2 | 82.8 | 83.0 |
| 179° | 83.0 | 82.8 | 83.0 | 83.0 | 82.7 | 82.9 | 82.6 | 82.7 | 82.5 | 82.8 | 83.1 |



TEST NUMBER: P295276

CATALOG NUMBER: UHB-24-UNV-L840-CD-U

**CANDELA DISTRIBUTION (continued):**

|      | 0°   | 30°  | 60°  | 90°  | 120° | 150° | 180° | 210° | 240° | 270° | 300° |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 180° | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |



TEST NUMBER: P295276

CATALOG NUMBER: UHB-24-UNV-L840-CD-U

**CANDELA DISTRIBUTION (continued):**

|     | 330°    | 360°    |
|-----|---------|---------|
| 0°  | 11229.4 | 11229.4 |
| 1°  | 11255.5 | 11255.1 |
| 2°  | 11252.5 | 11252.6 |
| 3°  | 11246.6 | 11246.8 |
| 4°  | 11238.9 | 11238.2 |
| 5°  | 11227.6 | 11226.3 |
| 6°  | 11212.5 | 11211.1 |
| 7°  | 11195.4 | 11193.0 |
| 8°  | 11174.0 | 11171.2 |
| 9°  | 11149.4 | 11146.3 |
| 10° | 11122.0 | 11117.8 |
| 11° | 11090.0 | 11086.1 |
| 12° | 11055.7 | 11051.5 |
| 13° | 11017.2 | 11013.4 |
| 14° | 10975.6 | 10971.5 |
| 15° | 10930.3 | 10926.0 |
| 16° | 10880.7 | 10877.2 |
| 17° | 10827.8 | 10824.3 |
| 18° | 10770.7 | 10767.6 |
| 19° | 10710.0 | 10705.9 |
| 20° | 10643.8 | 10641.5 |
| 21° | 10574.0 | 10572.1 |
| 22° | 10499.7 | 10498.2 |
| 23° | 10419.0 | 10420.0 |
| 24° | 10334.8 | 10335.7 |
| 25° | 10245.3 | 10248.0 |
| 26° | 10150.7 | 10155.4 |
| 27° | 10048.7 | 10057.3 |
| 28° | 9943.6  | 9953.6  |
| 29° | 9829.9  | 9845.4  |
| 30° | 9712.2  | 9730.4  |
| 31° | 9587.9  | 9610.6  |
| 32° | 9456.8  | 9482.2  |
| 33° | 9319.7  | 9349.5  |
| 34° | 9174.2  | 9209.6  |
| 35° | 9019.3  | 9059.3  |
| 36° | 8859.9  | 8907.7  |
| 37° | 8690.6  | 8743.6  |
| 38° | 8514.0  | 8574.3  |
| 39° | 8330.1  | 8396.4  |
| 40° | 8136.9  | 8213.1  |
| 41° | 7936.7  | 8019.6  |
| 42° | 7727.6  | 7820.8  |
| 43° | 7512.7  | 7615.8  |
| 44° | 7287.9  | 7398.2  |



TEST NUMBER: P295276

CATALOG NUMBER: UHB-24-UNV-L840-CD-U

**CANDELA DISTRIBUTION (continued):**

|     | 330°   | 360°   |
|-----|--------|--------|
| 45° | 7058.6 | 7178.4 |
| 46° | 6820.1 | 6948.8 |
| 47° | 6579.8 | 6713.4 |
| 48° | 6330.1 | 6471.0 |
| 49° | 6075.7 | 6217.6 |
| 50° | 5817.3 | 5962.3 |
| 51° | 5549.2 | 5695.8 |
| 52° | 5281.8 | 5429.4 |
| 53° | 5008.5 | 5156.6 |
| 54° | 4731.1 | 4874.8 |
| 55° | 4450.5 | 4592.2 |
| 56° | 4160.9 | 4298.8 |
| 57° | 3873.2 | 4001.2 |
| 58° | 3570.8 | 3691.4 |
| 59° | 3267.1 | 3377.5 |
| 60° | 2960.0 | 3052.2 |
| 61° | 2644.3 | 2736.1 |
| 62° | 2339.5 | 2420.0 |
| 63° | 2040.8 | 2104.2 |
| 64° | 1768.5 | 1827.2 |
| 65° | 1519.4 | 1580.6 |
| 66° | 1305.7 | 1361.0 |
| 67° | 1124.9 | 1168.3 |
| 68° | 980.5  | 1001.6 |
| 69° | 836.7  | 854.6  |
| 70° | 712.7  | 733.7  |
| 71° | 606.4  | 621.2  |
| 72° | 521.4  | 515.1  |
| 73° | 446.8  | 438.2  |
| 74° | 383.6  | 383.9  |
| 75° | 322.8  | 330.2  |
| 76° | 276.3  | 288.1  |
| 77° | 235.6  | 245.9  |
| 78° | 202.4  | 203.8  |
| 79° | 174.2  | 174.0  |
| 80° | 148.2  | 148.8  |
| 81° | 124.8  | 125.8  |
| 82° | 102.2  | 104.0  |
| 83° | 79.7   | 82.8   |
| 84° | 63.1   | 65.6   |
| 85° | 53.8   | 54.6   |
| 86° | 47.6   | 48.6   |
| 87° | 45.0   | 45.2   |
| 88° | 44.0   | 44.3   |
| 89° | 42.5   | 43.0   |



TEST NUMBER: P295276

CATALOG NUMBER: UHB-24-UNV-L840-CD-U

**CANDELA DISTRIBUTION (continued):**

|      | 330° | 360° |
|------|------|------|
| 90°  | 41.8 | 41.8 |
| 91°  | 41.7 | 41.8 |
| 92°  | 41.6 | 41.7 |
| 93°  | 41.6 | 41.7 |
| 94°  | 41.6 | 41.7 |
| 95°  | 41.6 | 41.7 |
| 96°  | 41.6 | 41.7 |
| 97°  | 41.6 | 41.7 |
| 98°  | 41.6 | 41.7 |
| 99°  | 41.7 | 41.8 |
| 100° | 41.8 | 41.9 |
| 101° | 41.9 | 42.0 |
| 102° | 42.0 | 42.1 |
| 103° | 42.2 | 42.3 |
| 104° | 42.5 | 42.5 |
| 105° | 42.7 | 42.8 |
| 106° | 43.0 | 43.0 |
| 107° | 43.2 | 43.3 |
| 108° | 43.6 | 43.6 |
| 109° | 44.0 | 43.9 |
| 110° | 44.3 | 44.3 |
| 111° | 44.7 | 44.7 |
| 112° | 45.1 | 45.1 |
| 113° | 45.5 | 45.6 |
| 114° | 46.0 | 46.0 |
| 115° | 46.6 | 46.6 |
| 116° | 47.1 | 47.1 |
| 117° | 47.8 | 47.7 |
| 118° | 48.4 | 48.3 |
| 119° | 49.1 | 49.0 |
| 120° | 49.8 | 49.7 |
| 121° | 50.5 | 50.3 |
| 122° | 51.1 | 51.0 |
| 123° | 51.7 | 51.6 |
| 124° | 52.3 | 52.2 |
| 125° | 53.0 | 52.9 |
| 126° | 53.6 | 53.6 |
| 127° | 54.3 | 54.3 |
| 128° | 55.0 | 55.0 |
| 129° | 55.7 | 55.6 |
| 130° | 56.4 | 56.3 |
| 131° | 57.1 | 56.9 |
| 132° | 57.7 | 57.6 |
| 133° | 58.3 | 58.2 |
| 134° | 58.9 | 58.8 |



TEST NUMBER: P295276

CATALOG NUMBER: UHB-24-UNV-L840-CD-U

**CANDELA DISTRIBUTION (continued):**

|      | 330° | 360° |
|------|------|------|
| 135° | 59.4 | 59.4 |
| 136° | 59.9 | 59.9 |
| 137° | 60.6 | 60.6 |
| 138° | 61.2 | 61.3 |
| 139° | 61.8 | 61.8 |
| 140° | 62.4 | 62.4 |
| 141° | 63.0 | 63.0 |
| 142° | 63.6 | 63.6 |
| 143° | 64.3 | 64.3 |
| 144° | 64.9 | 64.8 |
| 145° | 65.5 | 65.5 |
| 146° | 66.2 | 66.2 |
| 147° | 66.9 | 66.8 |
| 148° | 67.5 | 67.5 |
| 149° | 68.1 | 68.1 |
| 150° | 68.8 | 68.7 |
| 151° | 69.4 | 69.5 |
| 152° | 70.2 | 70.2 |
| 153° | 70.9 | 70.9 |
| 154° | 71.5 | 71.6 |
| 155° | 72.0 | 72.1 |
| 156° | 72.7 | 72.7 |
| 157° | 73.4 | 73.5 |
| 158° | 74.2 | 74.2 |
| 159° | 74.9 | 75.0 |
| 160° | 75.6 | 75.6 |
| 161° | 76.2 | 76.3 |
| 162° | 76.9 | 77.0 |
| 163° | 77.5 | 77.6 |
| 164° | 78.2 | 78.3 |
| 165° | 78.8 | 78.9 |
| 166° | 79.4 | 79.4 |
| 167° | 79.9 | 80.0 |
| 168° | 80.3 | 80.4 |
| 169° | 80.7 | 80.8 |
| 170° | 81.0 | 81.2 |
| 171° | 81.3 | 81.4 |
| 172° | 81.5 | 81.7 |
| 173° | 81.7 | 81.8 |
| 174° | 82.1 | 82.3 |
| 175° | 82.2 | 82.4 |
| 176° | 82.3 | 82.5 |
| 177° | 82.6 | 82.8 |
| 178° | 82.7 | 82.9 |
| 179° | 82.8 | 83.0 |



TEST NUMBER: P295276

CATALOG NUMBER: UHB-24-UNV-L840-CD-U

**CANDELA DISTRIBUTION (continued):**

|      |      |      |
|------|------|------|
|      | 330° | 360° |
| 180° | 82.8 | 82.8 |

(END OF REPORT)