

Scaled data based on original data using  
LM-31-95 IESNA Approved Method for Photometric Testing of Roadway Luminaires  
Using Incandescent Filament and High Intensity Discharge Lamps

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: 767435\_400MP

Luminaire Tested: **OVX40PXX2DG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-31-95  
Report Number: 767435\_400MP  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: OVX40PXX2DG  
Description: 400WATT MH TYPE II ROADWAY  
Light Source: 400 WATT PULSE-START CLEAR ED-28 HORIZONTAL BURN  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 40000 (1 lamp)  
Luminaire Lumens: 30760.1 lumens  
Efficiency: 76.9%  
Efficacy: 68.1 lumens/watt  
Luminous Opening: Point Source (0' x 0' x 0')  
IES Classification: Type II - Medium - Cutoff  
BUG Rating: B3 - U4 - G4

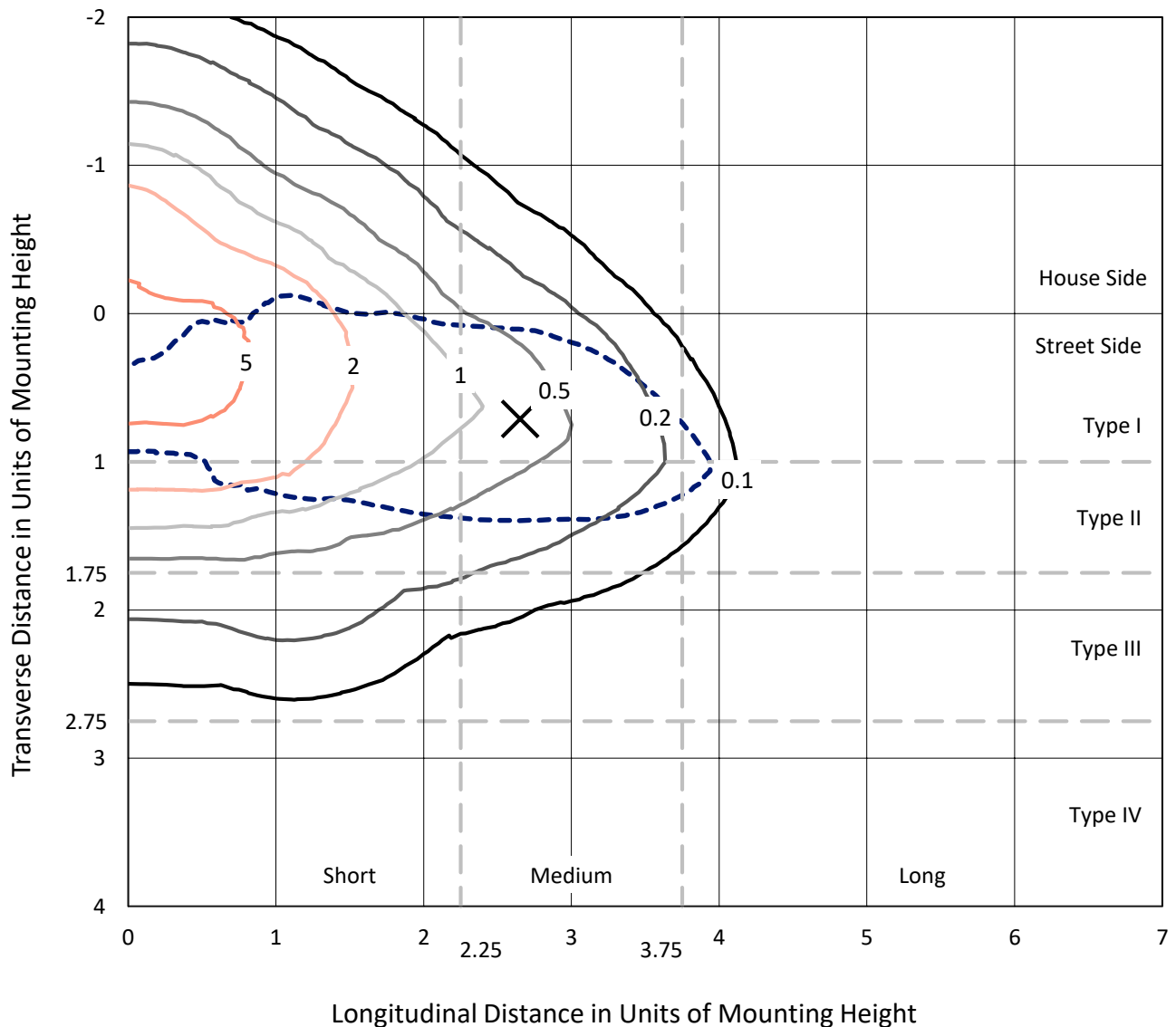
Input Watts (W): 452  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: 767435\_400MP  
 CATALOG NUMBER: OVX40PXX2DG

### Iso-Footcandle Lines of Horizontal Illumination

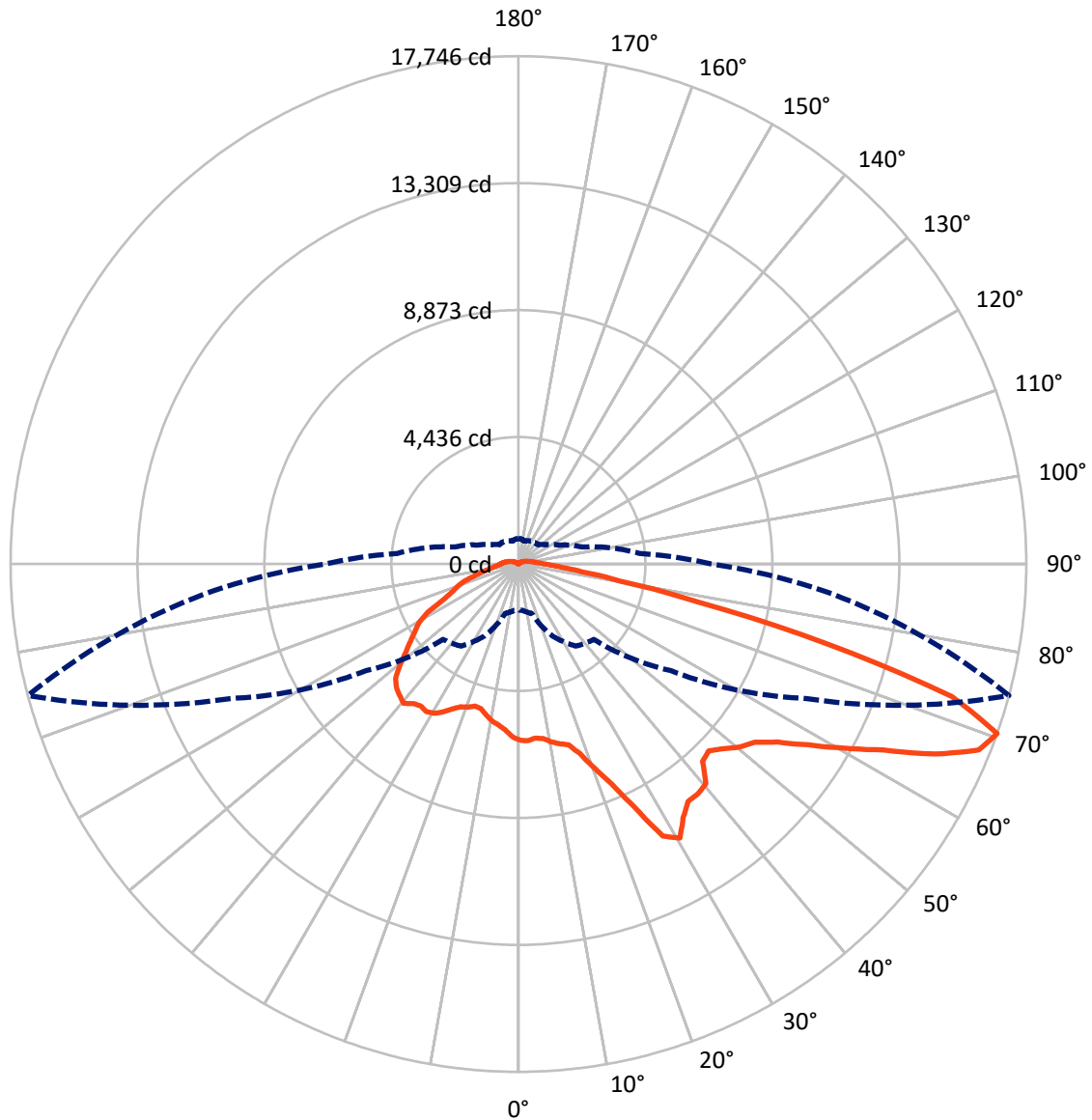
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.2 fc  
 Type II - Medium - Cutoff

REPORT NUMBER: 767435\_400MP  
CATALOG NUMBER: OVX40PXX2DG

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: 767435\_400MP  
 CATALOG NUMBER: OVX40PXX2DG

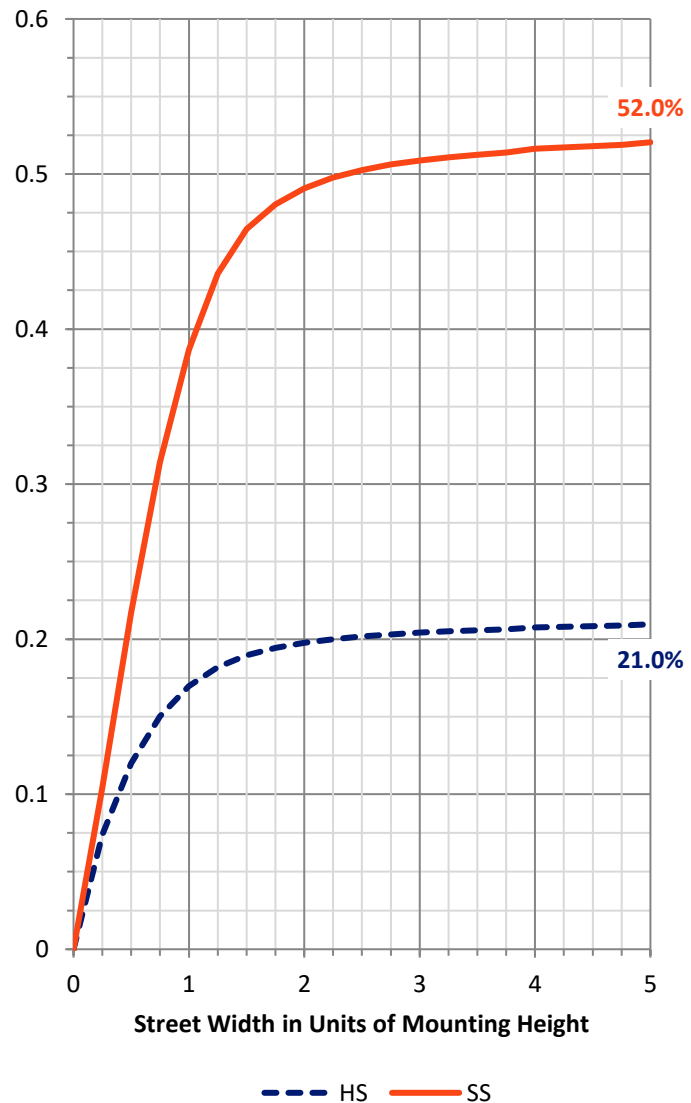
**FLUX DISTRIBUTION:**

|                    |        | Downward | Upward | Total   |
|--------------------|--------|----------|--------|---------|
| <b>House Side</b>  | Lumens | 8582.4   | 402.4  | 8984.8  |
|                    | % Lamp | 21.5     | 1.0    | 22.5    |
| <b>Street Side</b> | Lumens | 21084.9  | 690.5  | 21775.4 |
|                    | % Lamp | 52.7     | 1.7    | 54.4    |
| <b>Total</b>       | Lumens | 29667.2  | 1092.9 | 30760.1 |
|                    | % Lamp | 74.2     | 2.7    | 76.9    |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture | % Lamp |
|-----------|---------|-----------|--------|
| 0°-10°    | 570.5   | 1.9       | 1.4    |
| 10°-20°   | 1745.3  | 5.7       | 4.4    |
| 20°-30°   | 3323.0  | 10.8      | 8.3    |
| 30°-40°   | 4725.0  | 15.4      | 11.8   |
| 40°-50°   | 5377.8  | 17.5      | 13.4   |
| 50°-60°   | 5450.2  | 17.7      | 13.6   |
| 60°-70°   | 4729.5  | 15.4      | 11.8   |
| 70°-80°   | 2763.4  | 9.0       | 6.9    |
| 80°-90°   | 982.4   | 3.2       | 2.5    |
| 90°-100°  | 537.5   | 1.7       | 1.3    |
| 100°-110° | 330.4   | 1.1       | 0.8    |
| 110°-120° | 170.3   | 0.6       | 0.4    |
| 120°-130° | 63.0    | 0.2       | 0.2    |
| 130°-140° | 11.8    | 0.0       | 0.0    |
| 140°-150° | 0.2     | 0.0       | 0.0    |
| 150°-160° | 0.1     | 0.0       | 0.0    |
| 160°-170° | 0.0     | 0.0       | 0.0    |
| 170°-180° | 0.0     | 0.0       | 0.0    |
| 0°-90°    | 29667.2 | 96.4      | 74.2   |
| 0°-180°   | 30760.1 | 100.0     | 76.9   |

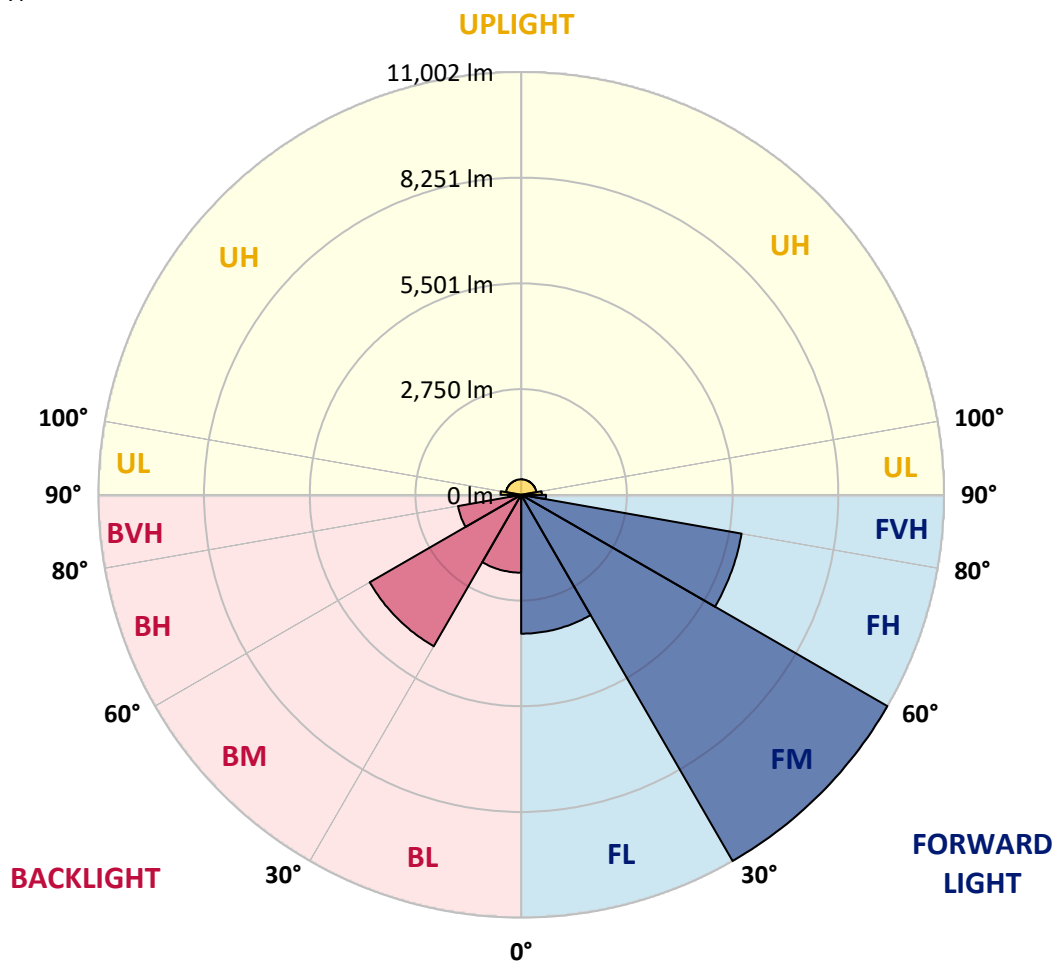


REPORT NUMBER: 767435\_400MP  
 CATALOG NUMBER: OVX40PXX2DG

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Lamp | Zone Rating/Lumen Limit |         |         |
|----------------|---------|--------|-------------------------|---------|---------|
|                |         |        | B                       | U       | G       |
| FL (0°-30°)    | 3613.7  | 9.0    |                         |         |         |
| FM (30°-60°)   | 11001.7 | 27.5   |                         |         |         |
| FH (60°-80°)   | 5823.8  | 14.6   |                         |         | G3/7500 |
| FVH (80°-90°)  | 645.6   | 1.6    |                         |         | G4/750  |
| BL (0°-30°)    | 2025.1  | 5.1    | B3/2500                 |         |         |
| BM (30°-60°)   | 4551.4  | 11.4   | B3/5000                 |         |         |
| BH (60°-80°)   | 1669.1  | 4.2    | B3/2500                 |         | G3/2500 |
| BVH (80°-90°)  | 336.8   | 0.8    |                         |         | G3/500  |
| UL (90°-100°)  | 537.5   | 1.3    |                         | U4/1000 |         |
| UH (100°-180°) | 402.4   | 1.0    |                         | U3/500  |         |
| Trapped Light  | 9239.9  | 23.1   |                         |         |         |

**BUG Rating: B3-U4-G4**  
 Type II Medium





REPORT NUMBER: 767435\_400MP  
 CATALOG NUMBER: OVX40PXX2DG

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°      | 15°    | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|--------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6155.6 | 6155.6  | 6155.6 | 6155.6  | 6155.6  | 6155.6  | 6155.6  | 6155.6  | 6155.6  | 6155.6  | 6155.6  |
| 2.5°  | 6372.2 | 6408.9  | 6390.0 | 6372.2  | 6327.8  | 6317.8  | 6255.6  | 6236.7  | 6183.3  | 6155.6  | 6101.1  |
| 5°    | 6588.9 | 6571.1  | 6571.1 | 6490.0  | 6462.2  | 6372.2  | 6300.0  | 6210.0  | 6111.1  | 6028.9  | 5966.7  |
| 7.5°  | 6842.2 | 6842.2  | 6805.6 | 6706.7  | 6606.7  | 6472.2  | 6426.7  | 6273.3  | 6155.6  | 5984.4  | 5921.1  |
| 10°   | 7131.1 | 7184.4  | 7112.2 | 6986.7  | 6814.4  | 6697.8  | 6616.7  | 6498.9  | 6317.8  | 6065.6  | 5947.8  |
| 12.5° | 7437.8 | 7482.2  | 7491.1 | 7365.6  | 7103.3  | 6976.7  | 6868.9  | 6760.0  | 6444.4  | 6137.8  | 5930.0  |
| 15°   | 7834.4 | 7816.7  | 7961.1 | 7825.6  | 7600.0  | 7320.0  | 7193.3  | 6941.1  | 6553.3  | 6164.4  | 5912.2  |
| 17.5° | 8267.8 | 8285.6  | 8530.0 | 8466.7  | 8241.1  | 7915.6  | 7707.8  | 7418.9  | 6967.8  | 6354.4  | 6074.4  |
| 20°   | 8755.6 | 8836.7  | 9107.8 | 9161.1  | 8836.7  | 8665.6  | 8493.3  | 8241.1  | 7626.7  | 6733.3  | 6354.4  |
| 22.5° | 9224.4 | 9324.4  | 9567.8 | 9513.3  | 9242.2  | 9314.4  | 9414.4  | 9170.0  | 8348.9  | 7184.4  | 6616.7  |
| 25°   | 9766.7 | 9820.0  | 9928.9 | 9784.4  | 9784.4  | 10036.7 | 10362.2 | 10334.4 | 9396.7  | 7790.0  | 7031.1  |
| 27.5° | 9983.3 | 10018.9 | 9973.3 | 10018.9 | 10290.0 | 10651.1 | 11382.2 | 11833.3 | 10767.8 | 8457.8  | 7563.3  |
| 30°   | 9441.1 | 9504.4  | 9721.1 | 10226.7 | 10741.1 | 11255.6 | 12483.3 | 12871.1 | 11111.1 | 8602.2  | 7771.1  |
| 32.5° | 8827.8 | 8900.0  | 9206.7 | 10353.3 | 11111.1 | 11923.3 | 13015.6 | 12726.7 | 10570.0 | 8430.0  | 7690.0  |
| 35°   | 8574.4 | 8583.3  | 8755.6 | 10190.0 | 11354.4 | 12148.9 | 12726.7 | 12140.0 | 10200.0 | 8348.9  | 7645.6  |
| 37.5° | 8683.3 | 8637.8  | 8718.9 | 10045.6 | 11318.9 | 11761.1 | 12148.9 | 11391.1 | 10190.0 | 8727.8  | 8033.3  |
| 40°   | 9080.0 | 8972.2  | 8990.0 | 9874.4  | 10903.3 | 11481.1 | 11580.0 | 10813.3 | 10091.1 | 9287.8  | 8701.1  |
| 42.5° | 8990.0 | 8944.4  | 9107.8 | 9531.1  | 10307.8 | 11327.8 | 11237.8 | 9874.4  | 9432.2  | 9405.6  | 8990.0  |
| 45°   | 8123.3 | 8123.3  | 8493.3 | 8908.9  | 9784.4  | 11120.0 | 10867.8 | 9261.1  | 9314.4  | 10235.6 | 10091.1 |
| 47.5° | 7131.1 | 7193.3  | 7582.2 | 8412.2  | 9278.9  | 10596.7 | 10876.7 | 9224.4  | 9640.0  | 11165.6 | 10903.3 |
| 50°   | 6678.9 | 6697.8  | 7203.3 | 8421.1  | 9170.0  | 10542.2 | 10750.0 | 9675.6  | 10045.6 | 10885.6 | 10172.2 |
| 52.5° | 6173.3 | 6173.3  | 6760.0 | 8412.2  | 9333.3  | 11345.6 | 10948.9 | 10298.9 | 10344.4 | 10596.7 | 9458.9  |
| 55°   | 5072.2 | 5135.6  | 5586.7 | 7473.3  | 8620.0  | 11914.4 | 11625.6 | 10876.7 | 10975.6 | 10344.4 | 8854.4  |
| 57.5° | 3664.4 | 3718.9  | 4178.9 | 5794.4  | 6967.8  | 10921.1 | 11995.6 | 11688.9 | 11923.3 | 10163.3 | 8457.8  |
| 60°   | 2797.8 | 2852.2  | 3213.3 | 4413.3  | 5334.4  | 9071.1  | 11535.6 | 12888.9 | 13052.2 | 10560.0 | 8746.7  |
| 62.5° | 2364.4 | 2392.2  | 2725.6 | 3754.4  | 4693.3  | 7094.4  | 10605.6 | 13873.3 | 14306.7 | 11273.3 | 8448.9  |
| 65°   | 2040.0 | 2066.7  | 2383.3 | 3502.2  | 4684.4  | 5803.3  | 9477.8  | 13827.8 | 16012.2 | 10921.1 | 7131.1  |
| 67.5° | 1805.6 | 1841.1  | 2103.3 | 3321.1  | 4386.7  | 4837.8  | 8222.2  | 12844.4 | 17347.8 | 10948.9 | 6860.0  |
| 70°   | 1606.7 | 1624.4  | 1786.7 | 2753.3  | 3502.2  | 3727.8  | 6490.0  | 11120.0 | 17745.6 | 10695.6 | 6733.3  |
| 72.5° | 1444.4 | 1462.2  | 1561.1 | 2022.2  | 2536.7  | 2806.7  | 4738.9  | 9053.3  | 15841.1 | 8854.4  | 5614.4  |
| 75°   | 1317.8 | 1326.7  | 1407.8 | 1580.0  | 1895.6  | 2283.3  | 3475.6  | 6904.4  | 11111.1 | 5966.7  | 4106.7  |
| 77.5° | 1173.3 | 1173.3  | 1272.2 | 1326.7  | 1534.4  | 1904.4  | 2672.2  | 4738.9  | 6444.4  | 3682.2  | 2797.8  |
| 80°   | 1028.9 | 1046.7  | 1164.4 | 1146.7  | 1300.0  | 1588.9  | 2013.3  | 3023.3  | 3620.0  | 2283.3  | 1858.9  |
| 82.5° | 921.1  | 947.8   | 1037.8 | 1020.0  | 1137.8  | 1317.8  | 1507.8  | 1941.1  | 2247.8  | 1606.7  | 1308.9  |
| 85°   | 830.0  | 838.9   | 911.1  | 911.1   | 993.3   | 1074.4  | 1164.4  | 1354.4  | 1561.1  | 1236.7  | 993.3   |
| 87.5° | 740.0  | 757.8   | 794.4  | 803.3   | 866.7   | 875.6   | 930.0   | 1011.1  | 1137.8  | 938.9   | 794.4   |
| 90°   | 667.8  | 685.6   | 695.6  | 713.3   | 748.9   | 740.0   | 766.7   | 794.4   | 866.7   | 766.7   | 685.6   |
| 95°   | 560.0  | 551.1   | 560.0  | 586.7   | 595.6   | 586.7   | 568.9   | 577.8   | 586.7   | 560.0   | 541.1   |
| 105°  | 378.9  | 387.8   | 396.7  | 415.6   | 415.6   | 387.8   | 370.0   | 361.1   | 343.3   | 343.3   | 343.3   |
| 115°  | 252.2  | 262.2   | 262.2  | 262.2   | 252.2   | 234.4   | 207.8   | 207.8   | 198.9   | 207.8   | 207.8   |
| 125°  | 126.7  | 117.8   | 90.0   | 72.2    | 54.4    | 63.3    | 81.1    | 98.9    | 107.8   | 98.9    | 98.9    |
| 135°  | 0.0    | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 145°  | 0.0    | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 155°  | 0.0    | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 165°  | 0.0    | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: 767435\_400MP  
CATALOG NUMBER: OVX40PXX2DG

**CANDELA DISTRIBUTION (continued):**

|      | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |





REPORT NUMBER: 767435\_400MP  
 CATALOG NUMBER: OVX40PXX2DG

**CANDELA DISTRIBUTION (continued):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6155.6 | 6155.6 | 6155.6 | 6155.6 | 6155.6 | 6155.6 | 6155.6 | 6155.6 | 6155.6 | 6155.6 |
| 2.5°  | 6111.1 | 6038.9 | 5993.3 | 5947.8 | 5767.8 | 5903.3 | 5875.6 | 5741.1 | 5857.8 | 5903.3 |
| 5°    | 5930.0 | 5813.3 | 5767.8 | 5668.9 | 5496.7 | 5586.7 | 5586.7 | 5415.6 | 5586.7 | 5577.8 |
| 7.5°  | 5803.3 | 5668.9 | 5505.6 | 5388.9 | 5154.4 | 5262.2 | 5297.8 | 5108.9 | 5297.8 | 5271.1 |
| 10°   | 5794.4 | 5560.0 | 5280.0 | 5126.7 | 4855.6 | 5010.0 | 4973.3 | 4837.8 | 5018.9 | 5018.9 |
| 12.5° | 5776.7 | 5397.8 | 5117.8 | 4910.0 | 4630.0 | 4756.7 | 4730.0 | 4612.2 | 4783.3 | 4820.0 |
| 15°   | 5713.3 | 5216.7 | 4910.0 | 4693.3 | 4467.8 | 4566.7 | 4566.7 | 4467.8 | 4693.3 | 4693.3 |
| 17.5° | 5767.8 | 5190.0 | 4774.4 | 4576.7 | 4395.6 | 4458.9 | 4467.8 | 4423.3 | 4657.8 | 4638.9 |
| 20°   | 5947.8 | 5307.8 | 4793.3 | 4531.1 | 4305.6 | 4360.0 | 4332.2 | 4351.1 | 4566.7 | 4603.3 |
| 22.5° | 6173.3 | 5380.0 | 4874.4 | 4485.6 | 4170.0 | 4152.2 | 4124.4 | 4233.3 | 4332.2 | 4386.7 |
| 25°   | 6498.9 | 5560.0 | 4964.4 | 4432.2 | 4052.2 | 3953.3 | 3917.8 | 3998.9 | 4106.7 | 4134.4 |
| 27.5° | 6832.2 | 5803.3 | 4964.4 | 4386.7 | 3935.6 | 3835.6 | 3791.1 | 3872.2 | 4007.8 | 4007.8 |
| 30°   | 7131.1 | 5993.3 | 4855.6 | 4251.1 | 3835.6 | 3763.3 | 3718.9 | 3835.6 | 3998.9 | 4025.6 |
| 32.5° | 7238.9 | 6083.3 | 4738.9 | 4106.7 | 3800.0 | 3736.7 | 3727.8 | 3907.8 | 4088.9 | 4152.2 |
| 35°   | 7121.1 | 6020.0 | 4684.4 | 3926.7 | 3736.7 | 3692.2 | 3754.4 | 3980.0 | 4215.6 | 4278.9 |
| 37.5° | 7328.9 | 6101.1 | 4557.8 | 3727.8 | 3556.7 | 3537.8 | 3664.4 | 3935.6 | 4251.1 | 4278.9 |
| 40°   | 7934.4 | 6308.9 | 4603.3 | 3574.4 | 3348.9 | 3366.7 | 3511.1 | 3800.0 | 4196.7 | 4206.7 |
| 42.5° | 8232.2 | 6192.2 | 4467.8 | 3493.3 | 3150.0 | 3176.7 | 3340.0 | 3655.6 | 3980.0 | 4062.2 |
| 45°   | 9080.0 | 6074.4 | 4196.7 | 3340.0 | 2987.8 | 2924.4 | 3132.2 | 3384.4 | 3655.6 | 3718.9 |
| 47.5° | 9405.6 | 5866.7 | 4043.3 | 3114.4 | 2716.7 | 2672.2 | 2897.8 | 3077.8 | 3303.3 | 3321.1 |
| 50°   | 8593.3 | 5433.3 | 3990.0 | 2942.2 | 2464.4 | 2455.6 | 2681.1 | 2806.7 | 2987.8 | 2978.9 |
| 52.5° | 7970.0 | 4982.2 | 3808.9 | 2771.1 | 2238.9 | 2220.0 | 2436.7 | 2572.2 | 2672.2 | 2690.0 |
| 55°   | 7365.6 | 4621.1 | 3592.2 | 2482.2 | 2031.1 | 1950.0 | 2112.2 | 2311.1 | 2364.4 | 2364.4 |
| 57.5° | 6986.7 | 4305.6 | 3267.8 | 2228.9 | 1823.3 | 1733.3 | 1796.7 | 1967.8 | 2048.9 | 2022.2 |
| 60°   | 7203.3 | 4025.6 | 2878.9 | 2003.3 | 1597.8 | 1525.6 | 1525.6 | 1652.2 | 1760.0 | 1733.3 |
| 62.5° | 6580.0 | 3583.3 | 2508.9 | 1786.7 | 1416.7 | 1335.6 | 1300.0 | 1372.2 | 1462.2 | 1462.2 |
| 65°   | 5225.6 | 2906.7 | 2138.9 | 1580.0 | 1263.3 | 1173.3 | 1127.8 | 1137.8 | 1227.8 | 1245.6 |
| 67.5° | 4566.7 | 2517.8 | 1805.6 | 1390.0 | 1110.0 | 1055.6 | 1028.9 | 983.3  | 1055.6 | 1065.6 |
| 70°   | 4242.2 | 2292.2 | 1561.1 | 1173.3 | 956.7  | 938.9  | 902.2  | 830.0  | 884.4  | 884.4  |
| 72.5° | 3664.4 | 2022.2 | 1416.7 | 1037.8 | 838.9  | 848.9  | 812.2  | 731.1  | 757.8  | 757.8  |
| 75°   | 2897.8 | 1642.2 | 1254.4 | 956.7  | 776.7  | 785.6  | 757.8  | 650.0  | 676.7  | 667.8  |
| 77.5° | 2130.0 | 1326.7 | 1065.6 | 857.8  | 695.6  | 713.3  | 685.6  | 577.8  | 595.6  | 595.6  |
| 80°   | 1570.0 | 1092.2 | 884.4  | 757.8  | 632.2  | 641.1  | 613.3  | 505.6  | 541.1  | 523.3  |
| 82.5° | 1182.2 | 921.1  | 766.7  | 676.7  | 560.0  | 586.7  | 560.0  | 451.1  | 468.9  | 468.9  |
| 85°   | 911.1  | 794.4  | 685.6  | 613.3  | 523.3  | 532.2  | 505.6  | 406.7  | 424.4  | 415.6  |
| 87.5° | 740.0  | 695.6  | 632.2  | 568.9  | 468.9  | 496.7  | 460.0  | 352.2  | 378.9  | 361.1  |
| 90°   | 641.1  | 632.2  | 586.7  | 532.2  | 424.4  | 442.2  | 415.6  | 315.6  | 324.4  | 324.4  |
| 95°   | 532.2  | 541.1  | 496.7  | 451.1  | 334.4  | 352.2  | 306.7  | 225.6  | 243.3  | 252.2  |
| 105°  | 352.2  | 343.3  | 324.4  | 280.0  | 162.2  | 180.0  | 162.2  | 72.2   | 162.2  | 162.2  |
| 115°  | 207.8  | 198.9  | 153.3  | 107.8  | 26.7   | 35.6   | 45.6   | 26.7   | 26.7   | 0.0    |
| 125°  | 90.0   | 72.2   | 54.4   | 26.7   | 0.0    | 8.9    | 8.9    | 0.0    | 17.8   | 17.8   |
| 135°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 8.9    | 0.0    | 0.0    | 0.0    | 0.0    |
| 145°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 8.9    | 0.0    | 0.0    | 0.0    | 0.0    |
| 155°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 165°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: 767435\_400MP  
CATALOG NUMBER: OVX40PXX2DG

**CANDELA DISTRIBUTION (continued):**

|      | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|------|-----|------|------|------|------|------|------|------|------|------|
| 175° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)