

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: EPHESUS

Report Number: P624094

Luminaire Tested: **EPH-VN-08-D-750-U-44**

Issue Date: 11/2/2022

Test Information

Test Method: LM-79-2019
Report Number: P624094
Test Lab: INNOVATION CENTER(G2)
Issue Date: 11/2/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-08-D-750-U-44
Description: EPHESUS LUMAVISION FLOOD – Middle Tier Light Square Luminaire w/
Nema 4 distribution lens
Light Source: (128) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

| | | | |
|-------------------|------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 4H x 4V |
| Luminaire Lumens: | 59210.3 lumens | Max Intensity: | 191459.1 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 121.3 lumens/watt | | |
| Luminous Opening: | Rectangular (W 2' x L: 1' x H: 0') | | |

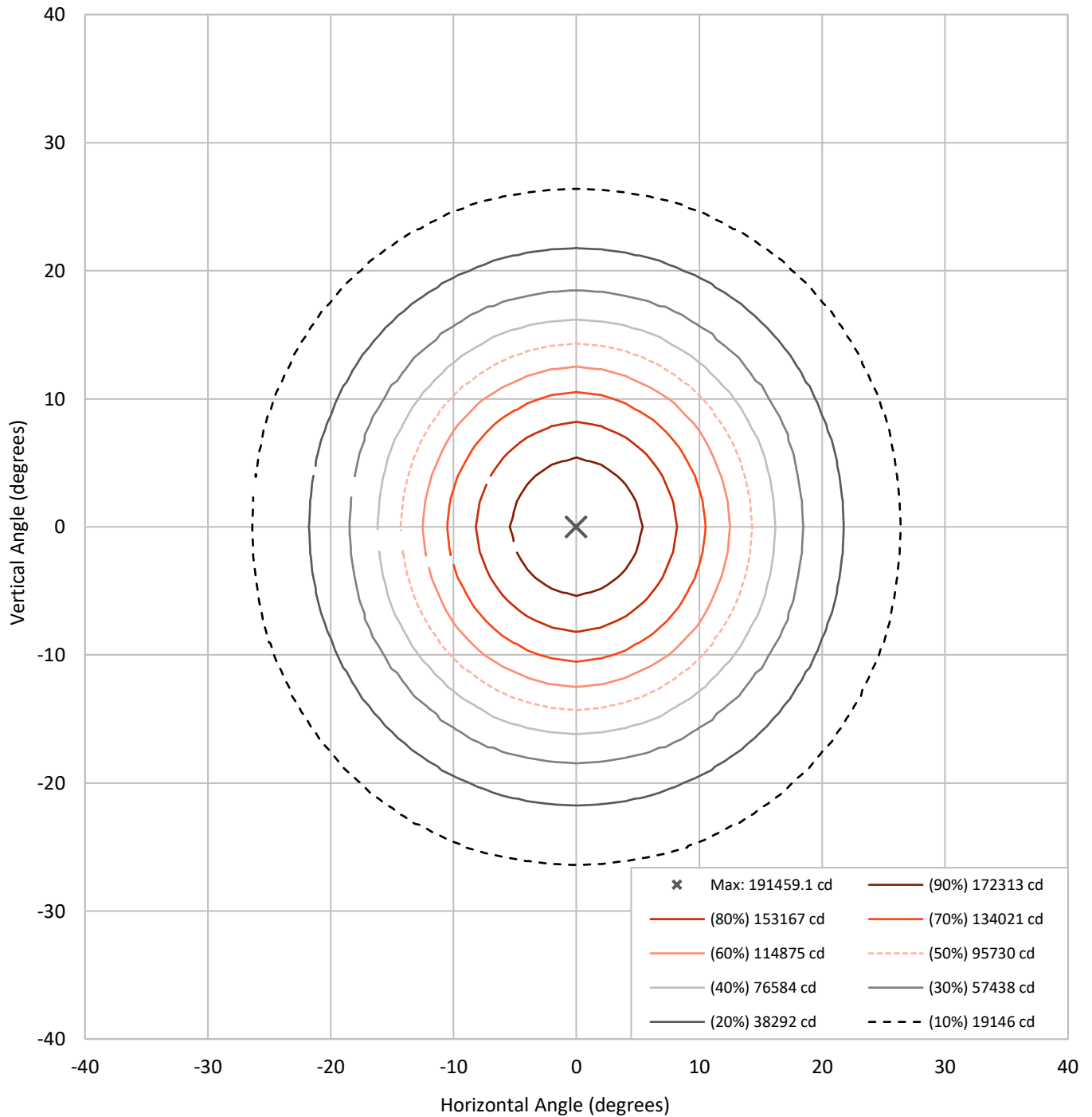
| | | | |
|-------------------|-----------------|--------------------|-----------------|
| Beam Angle (50%): | 28.6°H x 28.6°V | Field Angle (10%): | 52.7°H x 52.7°V |
| Beam Lumens: | 21364.2 lumens | Field Lumens: | 36076.3 lumens |
| Beam Efficiency: | 36.1% | Field Efficiency: | 60.9% |

Input Watts (W): 488.3
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



REPORT NUMBER: P624094
CATALOG NUMBER: EPH-VN-08-D-750-U-44

Iso-Candela Plot





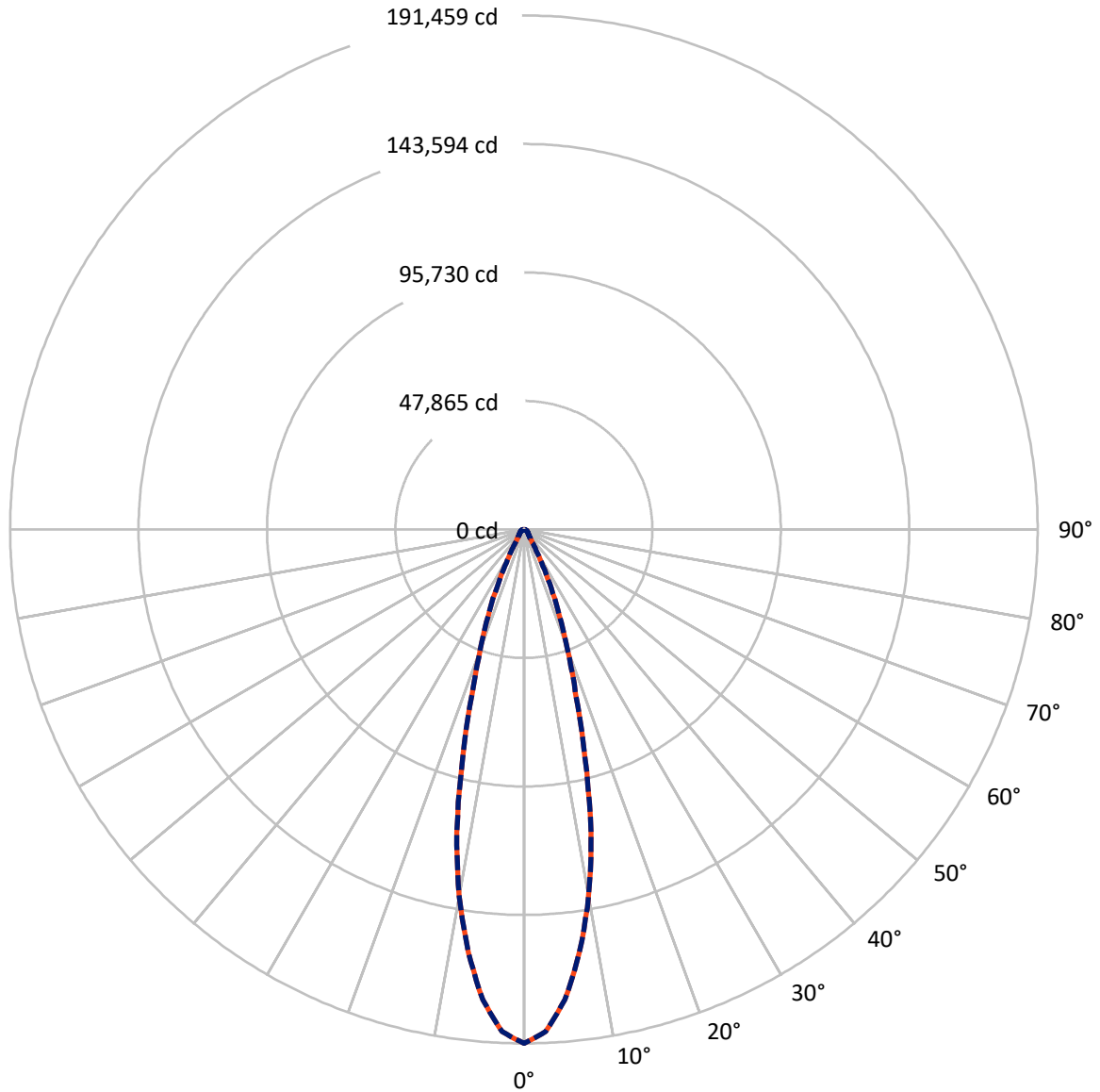
REPORT NUMBER: P624094
 CATALOG NUMBER: EPH-VN-08-D-750-U-44

Lumen Table

| | | | | | | | | | | | | | | | | |
|-----|------|------|------|------|-------|-------|--------|--------|--------|--------|-------|-------|------|------|------|------|
| 90 | 1.4 | 10.0 | | 25.5 | | 40.7 | | 47.0 | | 40.7 | | 25.5 | | 10.0 | | 1.4 |
| 80 | 1.4 | 10.0 | | 25.5 | | 40.7 | | 47.0 | | 40.7 | | 25.5 | | 10.0 | | 1.4 |
| 70 | 4.6 | 4.8 | 9.8 | 16.2 | 22.8 | 28.6 | 33.0 | 35.4 | 35.4 | 33.0 | 28.6 | 22.8 | 16.2 | 9.8 | 4.8 | 4.6 |
| 60 | | 7.3 | 15.0 | 24.0 | 33.2 | 41.3 | 47.4 | 50.7 | 50.7 | 47.4 | 41.3 | 33.2 | 24.0 | 15.0 | 7.3 | |
| 50 | 7.8 | 9.8 | 19.6 | 30.9 | 42.4 | 53.8 | 64.2 | 70.8 | 70.8 | 64.2 | 53.8 | 42.4 | 30.9 | 19.6 | 9.8 | 7.8 |
| 40 | | 11.9 | 23.4 | 36.6 | 52.6 | 74.9 | 109.3 | 145.5 | 145.5 | 109.3 | 74.9 | 52.6 | 36.6 | 23.4 | 11.9 | |
| 30 | 10.3 | 13.5 | 26.3 | 42.1 | 67.8 | 142.1 | 389.5 | 705.6 | 705.6 | 389.5 | 142.1 | 67.8 | 42.1 | 26.3 | 13.5 | 10.3 |
| 20 | | 14.6 | 28.3 | 47.2 | 93.3 | 367.7 | 1264.6 | 2439.4 | 2439.4 | 1264.6 | 367.7 | 93.3 | 47.2 | 28.3 | 14.6 | |
| 10 | 11.3 | 15.2 | 29.4 | 50.5 | 120.9 | 647.8 | 2373.3 | 4678.8 | 4678.8 | 2373.3 | 647.8 | 120.9 | 50.5 | 29.4 | 15.2 | 11.3 |
| 0 | | 15.2 | 29.4 | 50.5 | 120.9 | 647.8 | 2373.3 | 4678.8 | 4678.8 | 2373.3 | 647.8 | 120.9 | 50.5 | 29.4 | 15.2 | |
| -10 | 10.3 | 14.6 | 28.3 | 47.2 | 93.3 | 367.7 | 1264.6 | 2439.4 | 2439.4 | 1264.6 | 367.7 | 93.3 | 47.2 | 28.3 | 14.6 | 10.3 |
| -20 | | 13.5 | 26.3 | 42.1 | 67.8 | 142.1 | 389.5 | 705.6 | 705.6 | 389.5 | 142.1 | 67.8 | 42.1 | 26.3 | 13.5 | |
| -30 | 7.8 | 11.9 | 23.4 | 36.6 | 52.6 | 74.9 | 109.3 | 145.5 | 145.5 | 109.3 | 74.9 | 52.6 | 36.6 | 23.4 | 11.9 | 7.8 |
| -40 | | 9.8 | 19.6 | 30.9 | 42.4 | 53.8 | 64.2 | 70.8 | 70.8 | 64.2 | 53.8 | 42.4 | 30.9 | 19.6 | 9.8 | |
| -50 | 4.6 | 7.3 | 15.0 | 24.0 | 33.2 | 41.3 | 47.4 | 50.7 | 50.7 | 47.4 | 41.3 | 33.2 | 24.0 | 15.0 | 7.3 | 4.6 |
| -60 | | 4.8 | 9.8 | 16.2 | 22.8 | 28.6 | 33.0 | 35.4 | 35.4 | 33.0 | 28.6 | 22.8 | 16.2 | 9.8 | 4.8 | |
| -70 | 1.4 | 10.0 | | 25.5 | | 40.7 | | 47.0 | | 40.7 | | 25.5 | | 10.0 | | 1.4 |
| -80 | | 10.0 | | 25.5 | | 40.7 | | 47.0 | | 40.7 | | 25.5 | | 10.0 | | |
| -90 | 1.4 | 10.0 | | 25.5 | | 40.7 | | 47.0 | | 40.7 | | 25.5 | | 10.0 | | 1.4 |

REPORT NUMBER: P624094
CATALOG NUMBER: EPH-VN-08-D-750-U-44

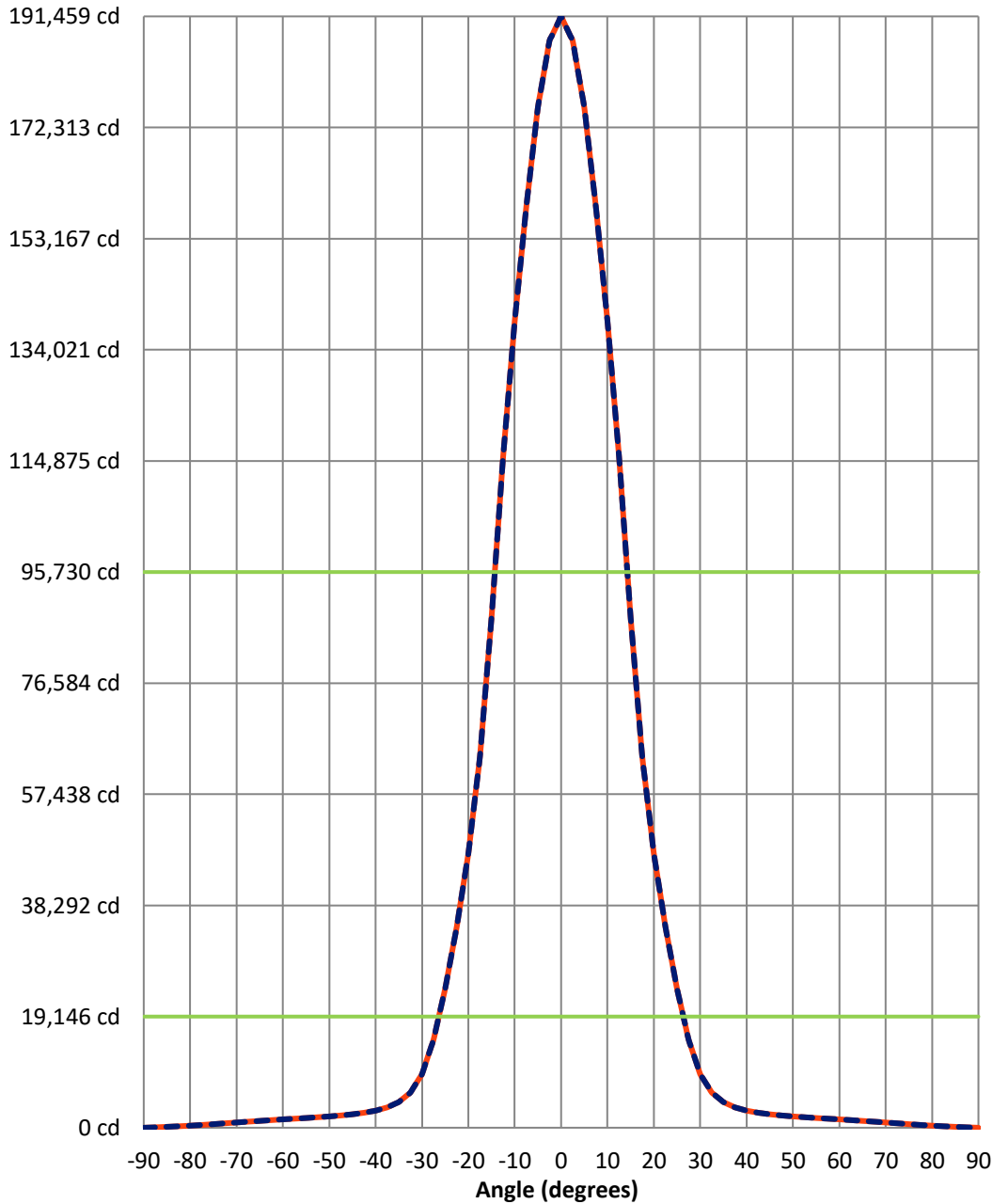
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P624094
 CATALOG NUMBER: EPH-VN-08-D-750-U-44

Luminous Intensity Plot



Beam:
 H Angle: 28.6°
 V Angle: 28.6°
 Lumens: 21364.2
 Efficiency: 36.1%

Field:
 H Angle: 52.7°
 V Angle: 52.7°
 Lumens: 36076.3
 Efficiency: 60.9%

Spill:
 Lumens: 23133.9
 Efficiency: 39.1%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P624094
 CATALOG NUMBER: EPH-VN-08-D-750-U-44

FIELD
 BEAM

CANDELA DISTRIBUTION:

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 25° |
|-------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|---------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 61.7 | 61.7 | 61.7 | 61.7 |
| 85° | 154.3 | 154.3 | 154.3 | 154.3 | 154.3 | 148.2 | 148.2 | 148.2 | 142.0 | 142.0 | 135.8 |
| 82.5° | 246.9 | 246.9 | 246.9 | 246.9 | 240.8 | 240.8 | 234.6 | 234.6 | 228.4 | 228.4 | 222.2 |
| 80° | 351.9 | 351.9 | 351.9 | 351.9 | 345.7 | 339.5 | 339.5 | 333.4 | 327.2 | 321.0 | 314.8 |
| 77.5° | 475.3 | 475.3 | 475.3 | 469.2 | 463.0 | 463.0 | 456.8 | 444.5 | 438.3 | 426.0 | 419.8 |
| 75° | 611.2 | 611.2 | 611.2 | 605.0 | 598.8 | 592.6 | 580.3 | 574.1 | 561.8 | 549.4 | 530.9 |
| 72.5° | 759.3 | 759.3 | 759.3 | 753.1 | 740.8 | 734.6 | 722.3 | 709.9 | 697.6 | 679.1 | 660.5 |
| 70° | 901.3 | 901.3 | 901.3 | 889.0 | 882.8 | 870.4 | 858.1 | 845.7 | 827.2 | 808.7 | 790.2 |
| 67.5° | 1043.3 | 1043.3 | 1043.3 | 1030.9 | 1024.8 | 1012.4 | 1000.1 | 981.6 | 963.0 | 938.3 | 919.8 |
| 65° | 1172.9 | 1172.9 | 1166.8 | 1160.6 | 1154.4 | 1142.1 | 1123.5 | 1111.2 | 1092.7 | 1068.0 | 1043.3 |
| 62.5° | 1308.7 | 1308.7 | 1302.6 | 1296.4 | 1284.0 | 1271.7 | 1253.2 | 1234.7 | 1210.0 | 1185.3 | 1160.6 |
| 60° | 1444.6 | 1444.6 | 1438.4 | 1432.2 | 1419.9 | 1401.3 | 1382.8 | 1364.3 | 1339.6 | 1308.7 | 1277.9 |
| 57.5° | 1555.7 | 1555.7 | 1549.5 | 1543.3 | 1531.0 | 1518.6 | 1500.1 | 1481.6 | 1456.9 | 1432.2 | 1395.2 |
| 55° | 1673.0 | 1673.0 | 1666.8 | 1654.4 | 1642.1 | 1629.8 | 1611.2 | 1586.5 | 1561.8 | 1531.0 | 1506.3 |
| 52.5° | 1808.8 | 1808.8 | 1802.6 | 1790.3 | 1771.7 | 1753.2 | 1728.5 | 1697.7 | 1666.8 | 1635.9 | 1598.9 |
| 50° | 1944.6 | 1944.6 | 1932.2 | 1919.9 | 1907.6 | 1882.9 | 1858.2 | 1827.3 | 1790.3 | 1753.2 | 1710.0 |
| 47.5° | 2111.3 | 2111.3 | 2098.9 | 2080.4 | 2055.7 | 2031.0 | 1994.0 | 1950.8 | 1913.7 | 1870.5 | 1821.1 |
| 45° | 2315.0 | 2315.0 | 2296.5 | 2278.0 | 2247.1 | 2203.9 | 2160.7 | 2111.3 | 2055.7 | 2000.2 | 1938.4 |
| 42.5° | 2580.4 | 2580.4 | 2555.8 | 2524.9 | 2481.7 | 2426.1 | 2358.2 | 2290.3 | 2222.4 | 2148.3 | 2074.2 |
| 40° | 2938.5 | 2938.5 | 2901.5 | 2858.2 | 2790.3 | 2710.1 | 2611.3 | 2518.7 | 2426.1 | 2321.2 | 2228.6 |
| 37.5° | 3500.3 | 3500.3 | 3438.5 | 3358.3 | 3247.2 | 3111.3 | 2944.7 | 2821.2 | 2679.2 | 2543.4 | 2419.9 |
| 35° | 4420.1 | 4420.1 | 4309.0 | 4167.0 | 3969.4 | 3722.5 | 3457.1 | 3247.2 | 3012.6 | 2821.2 | 2642.2 |
| 32.5° | 6056.0 | 6056.0 | 5833.8 | 5556.0 | 5179.4 | 4697.9 | 4253.4 | 3883.0 | 3500.3 | 3203.9 | 2920.0 |
| 30° | 9222.9 | 9222.9 | 8747.6 | 8161.1 | 7352.4 | 6340.0 | 5580.7 | 4870.7 | 4222.5 | 3734.9 | 3321.2 |
| 27.5° | 15167.8 | 14920.9 | 14180.1 | 12964.0 | 11297.2 | 9222.9 | 7901.8 | 6401.7 | 5377.0 | 4444.8 | 3870.7 |
| 25° | 23946.3 | 23538.8 | 22316.5 | 20322.5 | 17606.3 | 14525.8 | 11828.1 | 8982.2 | 7185.7 | 5636.2 | 4568.3 |
| 22.5° | 34613.8 | 34052.0 | 32391.4 | 29681.3 | 26008.2 | 21909.1 | 17544.6 | 13451.6 | 9809.4 | 7451.2 | 5636.2 |
| 20° | 47244.4 | 46491.2 | 44262.7 | 40645.1 | 35780.5 | 30564.1 | 24736.5 | 19254.6 | 14001.1 | 9809.4 | 7185.7 |
| 17.5° | 63918.5 | 62770.2 | 59393.4 | 53960.9 | 47244.4 | 40213.0 | 32928.5 | 25853.8 | 19254.6 | 13451.6 | 8982.2 |
| 15° | 87889.5 | 85951.0 | 80283.9 | 71283.2 | 60825.7 | 51022.4 | 41731.6 | 32928.5 | 24736.5 | 17544.6 | 11828.1 |
| 12.5° | 115601.5 | 112903.7 | 105094.5 | 92914.5 | 78703.6 | 63202.4 | 51022.4 | 40213.0 | 30564.1 | 21909.1 | 14525.8 |
| 10° | 138948.9 | 136103.0 | 128034.5 | 115817.5 | 97797.6 | 78703.6 | 60825.7 | 47244.4 | 35780.5 | 26008.2 | 17606.3 |
| 7.5° | 158672.7 | 155487.2 | 146789.0 | 133423.8 | 115817.5 | 92914.5 | 71283.2 | 53960.9 | 40645.1 | 29681.3 | 20322.5 |
| 5° | 175803.6 | 171766.3 | 161642.0 | 146789.0 | 128034.5 | 105094.5 | 80283.9 | 59393.4 | 44262.7 | 32391.4 | 22316.5 |
| 2.5° | 187248.9 | 182507.8 | 171766.3 | 155487.2 | 136103.0 | 112903.7 | 85951.0 | 62770.2 | 46491.2 | 34052.0 | 23538.8 |
| 0° | 191459.1 | 187248.9 | 175803.6 | 158672.7 | 138948.9 | 115601.5 | 87889.5 | 63918.5 | 47244.4 | 34613.8 | 23946.3 |



REPORT NUMBER: P624094
 CATALOG NUMBER: EPH-VN-08-D-750-U-44

CANDELA DISTRIBUTION (continued):

| | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° | 52.5° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 61.7 | 61.7 | 55.6 | 55.6 | 55.6 | 49.4 | 49.4 | 49.4 | 43.2 | 43.2 | 43.2 |
| 85° | 135.8 | 129.6 | 129.6 | 123.5 | 117.3 | 111.1 | 111.1 | 104.9 | 98.8 | 92.6 | 86.4 |
| 82.5° | 216.1 | 209.9 | 203.7 | 197.5 | 191.4 | 179.0 | 172.9 | 166.7 | 154.3 | 148.2 | 142.0 |
| 80° | 302.5 | 296.3 | 284.0 | 277.8 | 265.5 | 253.1 | 240.8 | 228.4 | 216.1 | 203.7 | 191.4 |
| 77.5° | 407.4 | 388.9 | 376.6 | 364.2 | 345.7 | 333.4 | 314.8 | 302.5 | 284.0 | 265.5 | 246.9 |
| 75° | 518.6 | 500.0 | 481.5 | 463.0 | 444.5 | 419.8 | 401.3 | 376.6 | 358.1 | 333.4 | 314.8 |
| 72.5° | 642.0 | 617.3 | 592.6 | 567.9 | 543.3 | 518.6 | 493.9 | 463.0 | 438.3 | 407.4 | 376.6 |
| 70° | 765.5 | 740.8 | 716.1 | 685.2 | 654.4 | 623.5 | 592.6 | 555.6 | 524.7 | 487.7 | 450.7 |
| 67.5° | 895.1 | 864.3 | 833.4 | 802.5 | 771.7 | 734.6 | 691.4 | 654.4 | 611.2 | 567.9 | 530.9 |
| 65° | 1018.6 | 987.7 | 950.7 | 913.7 | 876.6 | 839.6 | 796.4 | 753.1 | 703.8 | 654.4 | 611.2 |
| 62.5° | 1129.7 | 1098.8 | 1068.0 | 1024.8 | 987.7 | 944.5 | 901.3 | 845.7 | 796.4 | 747.0 | 691.4 |
| 60° | 1247.0 | 1210.0 | 1172.9 | 1129.7 | 1086.5 | 1043.3 | 993.9 | 938.3 | 889.0 | 827.2 | 771.7 |
| 57.5° | 1358.1 | 1321.1 | 1277.9 | 1234.7 | 1185.3 | 1135.9 | 1086.5 | 1030.9 | 975.4 | 913.7 | 851.9 |
| 55° | 1469.2 | 1432.2 | 1389.0 | 1339.6 | 1284.0 | 1228.5 | 1172.9 | 1117.4 | 1061.8 | 993.9 | 926.0 |
| 52.5° | 1561.8 | 1524.8 | 1481.6 | 1444.6 | 1382.8 | 1327.3 | 1265.5 | 1197.6 | 1135.9 | 1068.0 | 1000.1 |
| 50° | 1660.6 | 1617.4 | 1568.0 | 1524.8 | 1475.4 | 1419.9 | 1352.0 | 1284.0 | 1210.0 | 1142.1 | 1068.0 |
| 47.5° | 1771.7 | 1716.2 | 1660.6 | 1605.1 | 1555.7 | 1493.9 | 1438.4 | 1364.3 | 1290.2 | 1210.0 | 1135.9 |
| 45° | 1882.9 | 1821.1 | 1759.4 | 1691.5 | 1629.8 | 1568.0 | 1506.3 | 1444.6 | 1364.3 | 1284.0 | 1197.6 |
| 42.5° | 2000.2 | 1926.1 | 1858.2 | 1790.3 | 1716.2 | 1642.1 | 1574.2 | 1506.3 | 1438.4 | 1352.0 | 1265.5 |
| 40° | 2136.0 | 2049.5 | 1963.1 | 1882.9 | 1808.8 | 1722.4 | 1642.1 | 1568.0 | 1493.9 | 1419.9 | 1327.3 |
| 37.5° | 2290.3 | 2185.4 | 2080.4 | 1981.6 | 1889.0 | 1808.8 | 1716.2 | 1629.8 | 1555.7 | 1475.4 | 1382.8 |
| 35° | 2487.8 | 2333.5 | 2210.0 | 2086.6 | 1981.6 | 1882.9 | 1790.3 | 1691.5 | 1605.1 | 1524.8 | 1444.6 |
| 32.5° | 2710.1 | 2518.7 | 2352.0 | 2210.0 | 2080.4 | 1963.1 | 1858.2 | 1759.4 | 1660.6 | 1568.0 | 1481.6 |
| 30° | 2981.7 | 2734.8 | 2518.7 | 2333.5 | 2185.4 | 2049.5 | 1926.1 | 1821.1 | 1716.2 | 1617.4 | 1524.8 |
| 27.5° | 3364.5 | 2981.7 | 2710.1 | 2487.8 | 2290.3 | 2136.0 | 2000.2 | 1882.9 | 1771.7 | 1660.6 | 1561.8 |
| 25° | 3870.7 | 3321.2 | 2920.0 | 2642.2 | 2419.9 | 2228.6 | 2074.2 | 1938.4 | 1821.1 | 1710.0 | 1598.9 |
| 22.5° | 4444.8 | 3734.9 | 3203.9 | 2821.2 | 2543.4 | 2321.2 | 2148.3 | 2000.2 | 1870.5 | 1753.2 | 1635.9 |
| 20° | 5377.0 | 4222.5 | 3500.3 | 3012.6 | 2679.2 | 2426.1 | 2222.4 | 2055.7 | 1913.7 | 1790.3 | 1666.8 |
| 17.5° | 6401.7 | 4870.7 | 3883.0 | 3247.2 | 2821.2 | 2518.7 | 2290.3 | 2111.3 | 1950.8 | 1827.3 | 1697.7 |
| 15° | 7901.8 | 5580.7 | 4253.4 | 3457.1 | 2944.7 | 2611.3 | 2358.2 | 2160.7 | 1994.0 | 1858.2 | 1728.5 |
| 12.5° | 9222.9 | 6340.0 | 4697.9 | 3722.5 | 3111.3 | 2710.1 | 2426.1 | 2203.9 | 2031.0 | 1882.9 | 1753.2 |
| 10° | 11297.2 | 7352.4 | 5179.4 | 3969.4 | 3247.2 | 2790.3 | 2481.7 | 2247.1 | 2055.7 | 1907.6 | 1771.7 |
| 7.5° | 12964.0 | 8161.1 | 5556.0 | 4167.0 | 3358.3 | 2858.2 | 2524.9 | 2278.0 | 2080.4 | 1919.9 | 1790.3 |
| 5° | 14180.1 | 8747.6 | 5833.8 | 4309.0 | 3438.5 | 2901.5 | 2555.8 | 2296.5 | 2098.9 | 1932.2 | 1802.6 |
| 2.5° | 14920.9 | 9222.9 | 6056.0 | 4420.1 | 3500.3 | 2938.5 | 2580.4 | 2315.0 | 2111.3 | 1944.6 | 1808.8 |
| 0° | 15167.8 | 9222.9 | 6056.0 | 4420.1 | 3500.3 | 2938.5 | 2580.4 | 2315.0 | 2111.3 | 1944.6 | 1808.8 |



REPORT NUMBER: P624094
 CATALOG NUMBER: EPH-VN-08-D-750-U-44

CANDELA DISTRIBUTION (continued):

| | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° | 80° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 37.0 | 37.0 | 30.9 | 30.9 | 30.9 | 24.7 | 24.7 | 18.5 | 18.5 | 12.3 | 12.3 |
| 85° | 80.3 | 74.1 | 67.9 | 61.7 | 55.6 | 49.4 | 49.4 | 43.2 | 37.0 | 30.9 | 24.7 |
| 82.5° | 129.6 | 123.5 | 111.1 | 98.8 | 92.6 | 80.3 | 67.9 | 61.7 | 55.6 | 43.2 | 37.0 |
| 80° | 179.0 | 166.7 | 154.3 | 142.0 | 129.6 | 111.1 | 98.8 | 86.4 | 67.9 | 55.6 | 49.4 |
| 77.5° | 234.6 | 216.1 | 197.5 | 179.0 | 160.5 | 148.2 | 129.6 | 111.1 | 92.6 | 74.1 | 55.6 |
| 75° | 290.1 | 265.5 | 246.9 | 222.2 | 203.7 | 179.0 | 154.3 | 135.8 | 117.3 | 92.6 | 67.9 |
| 72.5° | 351.9 | 321.0 | 296.3 | 265.5 | 240.8 | 216.1 | 185.2 | 160.5 | 135.8 | 111.1 | 86.4 |
| 70° | 419.8 | 382.7 | 345.7 | 314.8 | 284.0 | 246.9 | 216.1 | 185.2 | 154.3 | 129.6 | 98.8 |
| 67.5° | 487.7 | 444.5 | 401.3 | 358.1 | 321.0 | 284.0 | 246.9 | 216.1 | 179.0 | 148.2 | 111.1 |
| 65° | 555.6 | 506.2 | 463.0 | 413.6 | 364.2 | 321.0 | 284.0 | 240.8 | 203.7 | 160.5 | 129.6 |
| 62.5° | 629.7 | 574.1 | 518.6 | 463.0 | 413.6 | 358.1 | 314.8 | 265.5 | 222.2 | 179.0 | 142.0 |
| 60° | 709.9 | 648.2 | 580.3 | 518.6 | 463.0 | 401.3 | 345.7 | 296.3 | 246.9 | 197.5 | 154.3 |
| 57.5° | 784.0 | 716.1 | 648.2 | 574.1 | 506.2 | 444.5 | 382.7 | 321.0 | 265.5 | 216.1 | 166.7 |
| 55° | 858.1 | 784.0 | 709.9 | 629.7 | 555.6 | 487.7 | 419.8 | 351.9 | 290.1 | 234.6 | 179.0 |
| 52.5° | 926.0 | 851.9 | 771.7 | 691.4 | 611.2 | 530.9 | 450.7 | 376.6 | 314.8 | 246.9 | 191.4 |
| 50° | 993.9 | 913.7 | 827.2 | 747.0 | 654.4 | 567.9 | 487.7 | 407.4 | 333.4 | 265.5 | 203.7 |
| 47.5° | 1061.8 | 975.4 | 889.0 | 796.4 | 703.8 | 611.2 | 524.7 | 438.3 | 358.1 | 284.0 | 216.1 |
| 45° | 1117.4 | 1030.9 | 938.3 | 845.7 | 753.1 | 654.4 | 555.6 | 463.0 | 376.6 | 302.5 | 228.4 |
| 42.5° | 1172.9 | 1086.5 | 993.9 | 901.3 | 796.4 | 691.4 | 592.6 | 493.9 | 401.3 | 314.8 | 240.8 |
| 40° | 1228.5 | 1135.9 | 1043.3 | 944.5 | 839.6 | 734.6 | 623.5 | 518.6 | 419.8 | 333.4 | 253.1 |
| 37.5° | 1284.0 | 1185.3 | 1086.5 | 987.7 | 876.6 | 771.7 | 654.4 | 543.3 | 444.5 | 345.7 | 265.5 |
| 35° | 1339.6 | 1234.7 | 1129.7 | 1024.8 | 913.7 | 802.5 | 685.2 | 567.9 | 463.0 | 364.2 | 277.8 |
| 32.5° | 1389.0 | 1277.9 | 1172.9 | 1068.0 | 950.7 | 833.4 | 716.1 | 592.6 | 481.5 | 376.6 | 284.0 |
| 30° | 1432.2 | 1321.1 | 1210.0 | 1098.8 | 987.7 | 864.3 | 740.8 | 617.3 | 500.0 | 388.9 | 296.3 |
| 27.5° | 1469.2 | 1358.1 | 1247.0 | 1129.7 | 1018.6 | 895.1 | 765.5 | 642.0 | 518.6 | 407.4 | 302.5 |
| 25° | 1506.3 | 1395.2 | 1277.9 | 1160.6 | 1043.3 | 919.8 | 790.2 | 660.5 | 530.9 | 419.8 | 314.8 |
| 22.5° | 1531.0 | 1432.2 | 1308.7 | 1185.3 | 1068.0 | 938.3 | 808.7 | 679.1 | 549.4 | 426.0 | 321.0 |
| 20° | 1561.8 | 1456.9 | 1339.6 | 1210.0 | 1092.7 | 963.0 | 827.2 | 697.6 | 561.8 | 438.3 | 327.2 |
| 17.5° | 1586.5 | 1481.6 | 1364.3 | 1234.7 | 1111.2 | 981.6 | 845.7 | 709.9 | 574.1 | 444.5 | 333.4 |
| 15° | 1611.2 | 1500.1 | 1382.8 | 1253.2 | 1123.5 | 1000.1 | 858.1 | 722.3 | 580.3 | 456.8 | 339.5 |
| 12.5° | 1629.8 | 1518.6 | 1401.3 | 1271.7 | 1142.1 | 1012.4 | 870.4 | 734.6 | 592.6 | 463.0 | 339.5 |
| 10° | 1642.1 | 1531.0 | 1419.9 | 1284.0 | 1154.4 | 1024.8 | 882.8 | 740.8 | 598.8 | 463.0 | 345.7 |
| 7.5° | 1654.4 | 1543.3 | 1432.2 | 1296.4 | 1160.6 | 1030.9 | 889.0 | 753.1 | 605.0 | 469.2 | 351.9 |
| 5° | 1666.8 | 1549.5 | 1438.4 | 1302.6 | 1166.8 | 1043.3 | 901.3 | 759.3 | 611.2 | 475.3 | 351.9 |
| 2.5° | 1673.0 | 1555.7 | 1444.6 | 1308.7 | 1172.9 | 1043.3 | 901.3 | 759.3 | 611.2 | 475.3 | 351.9 |
| 0° | 1673.0 | 1555.7 | 1444.6 | 1308.7 | 1172.9 | 1043.3 | 901.3 | 759.3 | 611.2 | 475.3 | 351.9 |



REPORT NUMBER: P624094
 CATALOG NUMBER: EPH-VN-08-D-750-U-44

CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° |
|-------|-------|-------|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 6.2 | 6.2 | 0.0 | 0.0 |
| 85° | 18.5 | 12.3 | 6.2 | 0.0 |
| 82.5° | 24.7 | 18.5 | 6.2 | 0.0 |
| 80° | 37.0 | 24.7 | 12.3 | 0.0 |
| 77.5° | 43.2 | 30.9 | 12.3 | 0.0 |
| 75° | 55.6 | 37.0 | 18.5 | 0.0 |
| 72.5° | 61.7 | 43.2 | 18.5 | 0.0 |
| 70° | 67.9 | 49.4 | 24.7 | 0.0 |
| 67.5° | 80.3 | 49.4 | 24.7 | 0.0 |
| 65° | 92.6 | 55.6 | 30.9 | 0.0 |
| 62.5° | 98.8 | 61.7 | 30.9 | 0.0 |
| 60° | 111.1 | 67.9 | 30.9 | 0.0 |
| 57.5° | 123.5 | 74.1 | 37.0 | 0.0 |
| 55° | 129.6 | 80.3 | 37.0 | 0.0 |
| 52.5° | 142.0 | 86.4 | 43.2 | 0.0 |
| 50° | 148.2 | 92.6 | 43.2 | 0.0 |
| 47.5° | 154.3 | 98.8 | 43.2 | 0.0 |
| 45° | 166.7 | 104.9 | 49.4 | 0.0 |
| 42.5° | 172.9 | 111.1 | 49.4 | 0.0 |
| 40° | 179.0 | 111.1 | 49.4 | 0.0 |
| 37.5° | 191.4 | 117.3 | 55.6 | 0.0 |
| 35° | 197.5 | 123.5 | 55.6 | 0.0 |
| 32.5° | 203.7 | 129.6 | 55.6 | 0.0 |
| 30° | 209.9 | 129.6 | 61.7 | 0.0 |
| 27.5° | 216.1 | 135.8 | 61.7 | 0.0 |
| 25° | 222.2 | 135.8 | 61.7 | 0.0 |
| 22.5° | 228.4 | 142.0 | 61.7 | 0.0 |
| 20° | 228.4 | 142.0 | 61.7 | 0.0 |
| 17.5° | 234.6 | 148.2 | 61.7 | 0.0 |
| 15° | 234.6 | 148.2 | 67.9 | 0.0 |
| 12.5° | 240.8 | 148.2 | 67.9 | 0.0 |
| 10° | 240.8 | 154.3 | 67.9 | 0.0 |
| 7.5° | 246.9 | 154.3 | 67.9 | 0.0 |
| 5° | 246.9 | 154.3 | 67.9 | 0.0 |
| 2.5° | 246.9 | 154.3 | 67.9 | 0.0 |
| 0° | 246.9 | 154.3 | 67.9 | 0.0 |

(END OF REPORT)