

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: EPHESUS

Report Number: P628143

Luminaire Tested: **EPH-VN-08-E-750-U-T1**

Issue Date: 01/09/2023

Test Information

Test Method: LM-79-08
Report Number: P628143
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/09/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-08-E-750-U-T1
Description: EPHESUS LUMAVISION FLOOD – Middle Tier Light Square Luminaire w/
Type I distribution lens
Light Source: (128) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71084.1 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

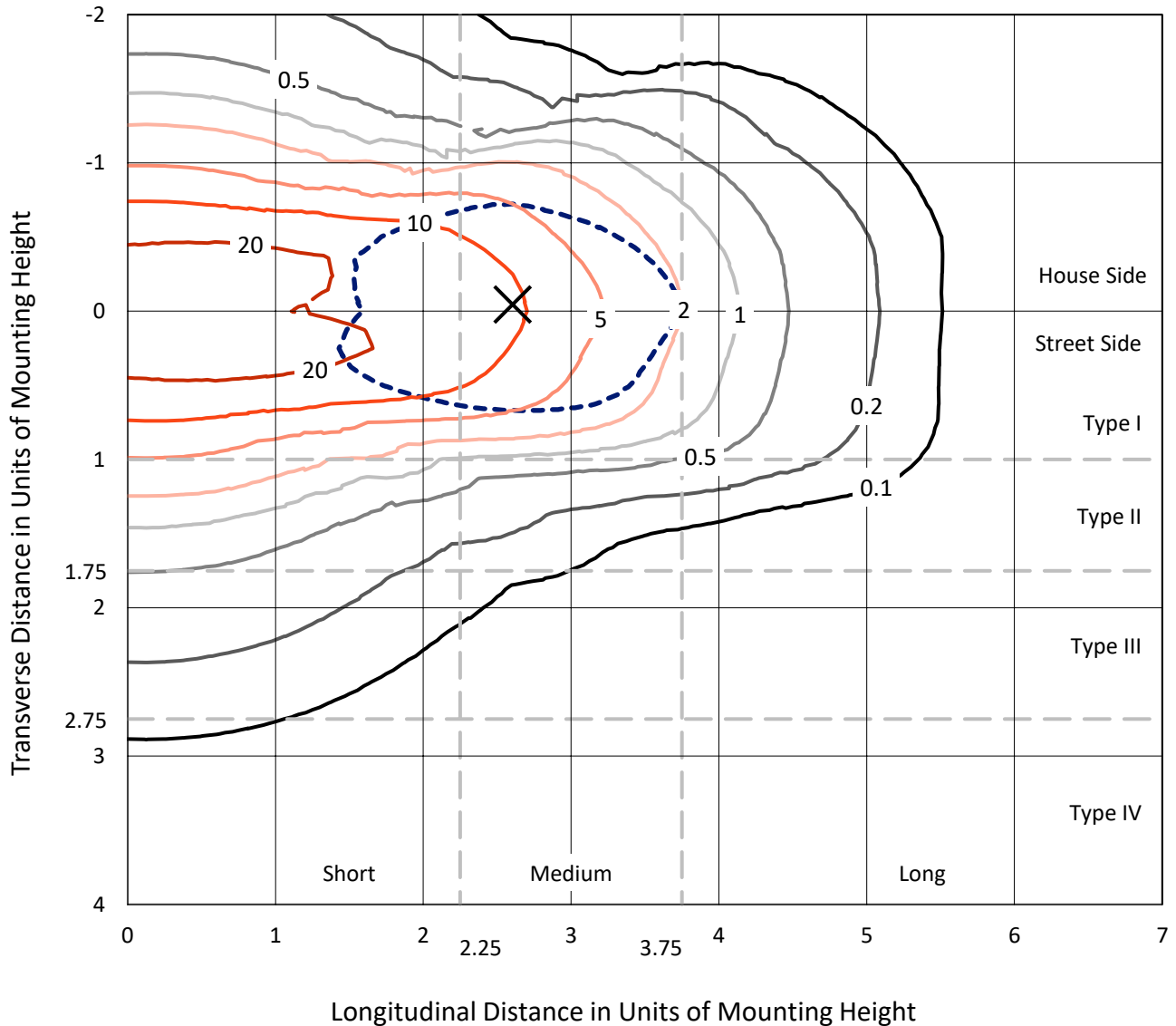
Input Watts (W): 626.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

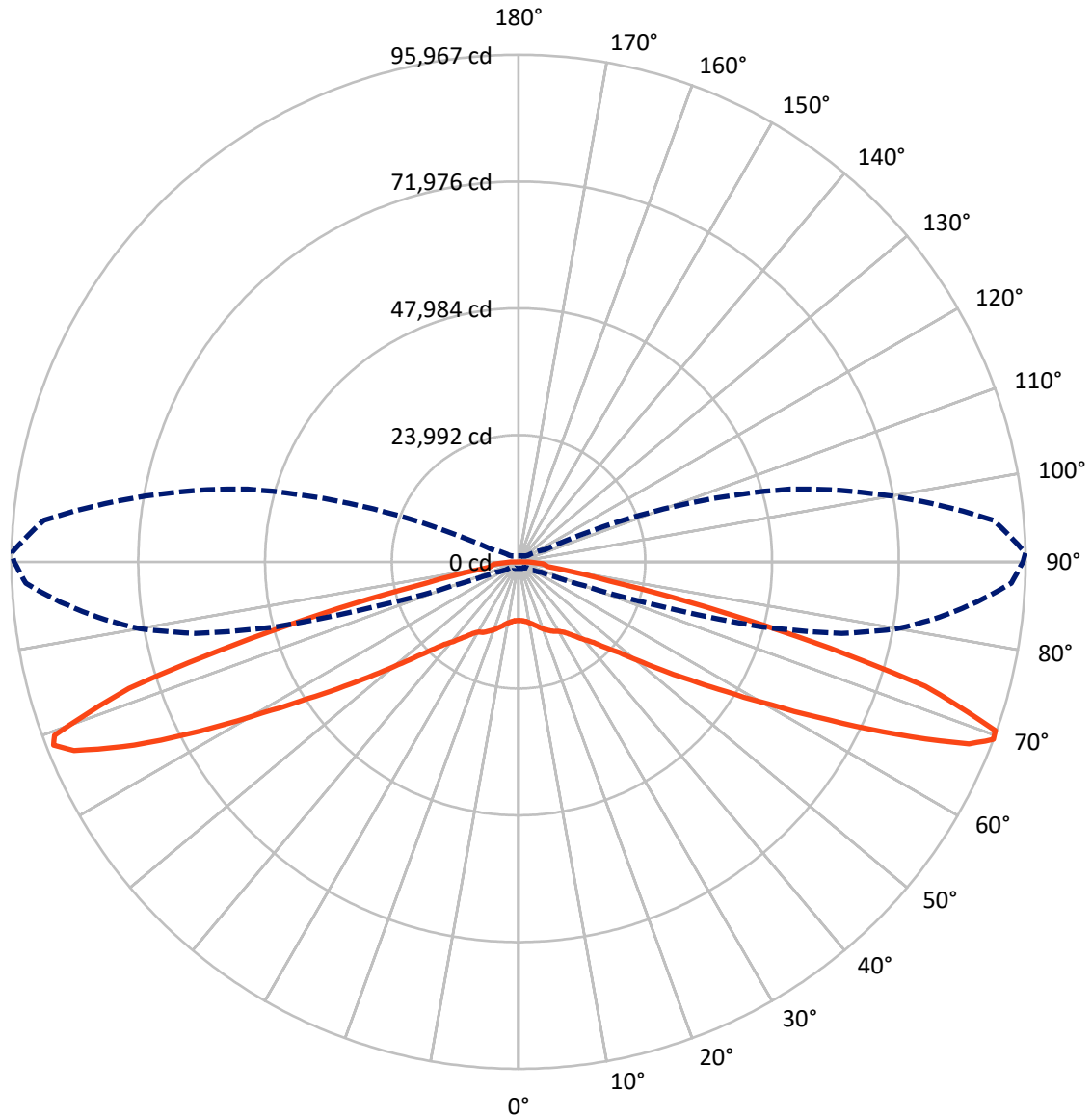
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 30.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 91-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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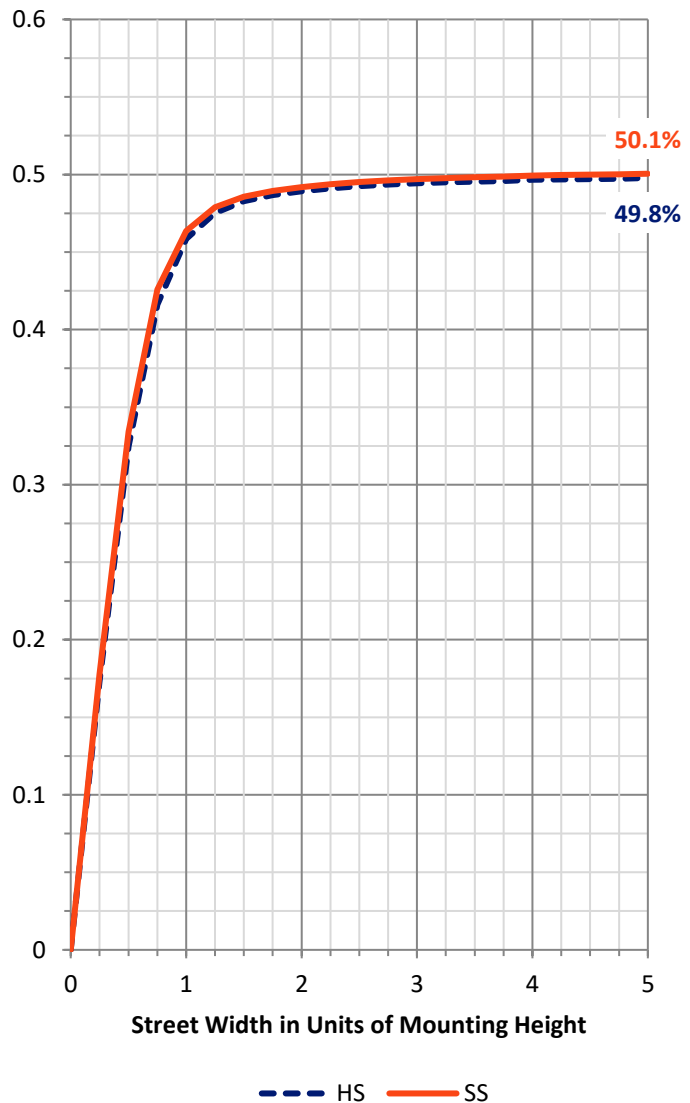
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 35637.8 | 0.0 | 35637.8 |
| | % Fixture | 50.1 | 0.0 | 50.1 |
| Street Side | Lumens | 35446.4 | 0.0 | 35446.4 |
| | % Fixture | 49.9 | 0.0 | 49.9 |
| Total | Lumens | 71084.1 | 0.0 | 71084.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1119.8 | 1.6 |
| 10°-20° | 3666.6 | 5.2 |
| 20°-30° | 6287.8 | 8.8 |
| 30°-40° | 8686.2 | 12.2 |
| 40°-50° | 11168.1 | 15.7 |
| 50°-60° | 13895.3 | 19.5 |
| 60°-70° | 17042.3 | 24.0 |
| 70°-80° | 8406.9 | 11.8 |
| 80°-90° | 811.0 | 1.1 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 71084.1 | 100.0 |
| 0°-180° | 71084.1 | 100.0 |

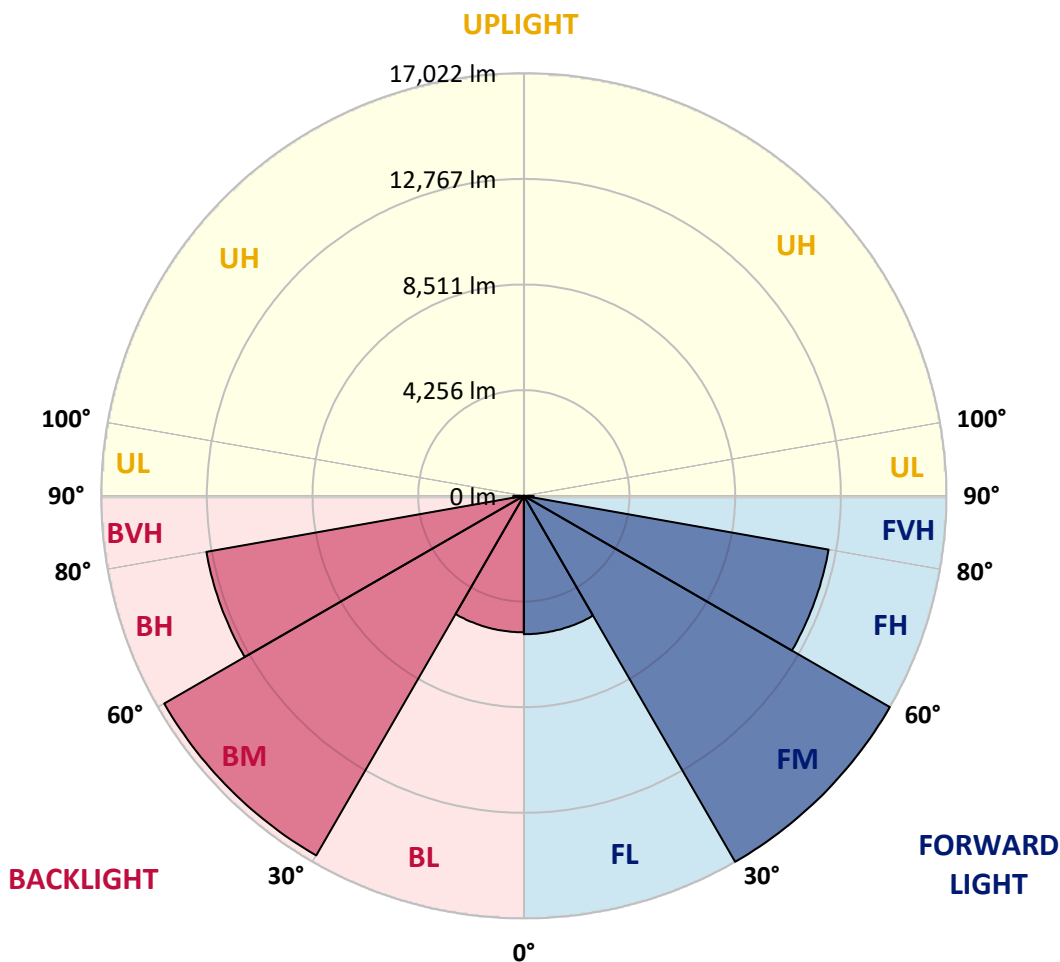


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 5574.2 | 7.8 | | | |
| FM (30°-60°) | 17022.3 | 23.9 | | | |
| FH (60°-80°) | 12465.3 | 17.5 | | | G5 |
| FVH (80°-90°) | 384.6 | 0.5 | | | G3/500 |
| BL (0°-30°) | 5500.0 | 7.7 | B5 | | |
| BM (30°-60°) | 16727.4 | 23.5 | B5 | | |
| BH (60°-80°) | 12983.9 | 18.3 | B5 | | G5 |
| BVH (80°-90°) | 426.4 | 0.6 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G5
 Type I Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67.5° | 70° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 |
| 2.5° | 11249.7 | 11348.3 | 11264.9 | 11302.8 | 11348.3 | 11325.5 | 11310.4 | 11204.2 | 11242.1 | 11196.6 |
| 5° | 11644.1 | 11712.4 | 11659.3 | 11651.7 | 11606.2 | 11598.6 | 11553.1 | 11386.2 | 11462.1 | 11355.9 |
| 7.5° | 11985.5 | 12053.8 | 11985.5 | 12008.3 | 12023.4 | 11977.9 | 11940.0 | 11757.9 | 11773.1 | 11704.8 |
| 10° | 12235.8 | 12342.0 | 12266.2 | 12417.9 | 12417.9 | 12478.6 | 12425.5 | 12160.0 | 12167.6 | 12084.1 |
| 12.5° | 12402.7 | 12531.7 | 12501.3 | 12751.7 | 12880.6 | 12911.0 | 12971.6 | 12744.1 | 12728.9 | 12569.6 |
| 15° | 12281.3 | 12304.1 | 12463.4 | 12850.3 | 13297.8 | 13510.2 | 13616.4 | 13350.9 | 13366.1 | 13184.0 |
| 17.5° | 11894.5 | 11970.3 | 12122.0 | 12797.2 | 13366.1 | 13995.7 | 14208.1 | 14056.4 | 14026.1 | 13821.3 |
| 20° | 11469.7 | 11484.8 | 11735.2 | 12508.9 | 13388.9 | 14291.6 | 14921.2 | 14799.8 | 14792.2 | 14663.3 |
| 22.5° | 10938.7 | 10946.2 | 11295.2 | 12152.4 | 13320.6 | 14428.1 | 15558.4 | 15717.7 | 15611.5 | 15490.1 |
| 25° | 10278.7 | 10362.1 | 10771.8 | 11735.2 | 13085.4 | 14572.2 | 15930.1 | 16453.5 | 16415.6 | 16301.8 |
| 27.5° | 9656.7 | 9717.4 | 10164.9 | 11143.5 | 12584.8 | 14359.8 | 16468.7 | 17386.6 | 17287.9 | 17105.9 |
| 30° | 9095.3 | 9193.9 | 9656.7 | 10536.6 | 11962.7 | 14094.3 | 16825.2 | 18152.7 | 18266.5 | 18061.7 |
| 32.5° | 8488.5 | 8609.8 | 9095.3 | 10005.6 | 11386.2 | 13844.0 | 17128.6 | 19055.4 | 19336.1 | 19100.9 |
| 35° | 7881.6 | 7972.6 | 8458.1 | 9436.7 | 10969.0 | 13290.2 | 17189.3 | 20223.6 | 20572.6 | 20443.6 |
| 37.5° | 7350.6 | 7434.0 | 7911.9 | 8845.0 | 10407.7 | 12880.6 | 17052.8 | 21194.6 | 21824.2 | 22173.2 |
| 40° | 6758.9 | 6865.1 | 7335.4 | 8276.1 | 9664.3 | 12273.8 | 16885.9 | 22279.4 | 23182.1 | 23644.8 |
| 42.5° | 6098.9 | 6243.1 | 6698.2 | 7669.2 | 9087.7 | 11522.8 | 16385.2 | 23007.6 | 24411.0 | 25230.2 |
| 45° | 5401.1 | 5507.3 | 6000.3 | 6895.5 | 8405.0 | 10650.4 | 15679.8 | 23895.1 | 25730.9 | 27248.0 |
| 47.5° | 4559.0 | 4627.3 | 5128.0 | 6068.6 | 7449.2 | 9747.7 | 14784.6 | 24577.9 | 27210.1 | 29114.1 |
| 50° | 3641.2 | 3709.4 | 4111.5 | 5059.7 | 6402.4 | 8625.0 | 13411.6 | 24866.1 | 28249.4 | 30919.6 |
| 52.5° | 2844.7 | 2897.8 | 3216.4 | 3929.4 | 5203.8 | 7343.0 | 11803.4 | 24797.8 | 28909.3 | 32793.2 |
| 55° | 2215.0 | 2260.6 | 2488.1 | 3026.7 | 3990.1 | 5825.9 | 10119.4 | 23546.2 | 29114.1 | 34105.6 |
| 57.5° | 1904.0 | 1926.8 | 2033.0 | 2344.0 | 3057.1 | 4414.9 | 7980.2 | 21346.3 | 28105.2 | 34993.1 |
| 60° | 1676.5 | 1684.0 | 1767.5 | 1979.9 | 2366.8 | 3284.6 | 5833.4 | 17834.1 | 25594.3 | 34431.8 |
| 62.5° | 1562.7 | 1570.3 | 1615.8 | 1759.9 | 1957.1 | 2480.5 | 4134.2 | 13699.9 | 21141.5 | 32118.1 |
| 65° | 1464.1 | 1471.6 | 1509.6 | 1600.6 | 1684.0 | 1987.5 | 3041.9 | 9034.6 | 15232.2 | 26170.9 |
| 67.5° | 1335.1 | 1350.3 | 1388.2 | 1464.1 | 1532.3 | 1653.7 | 2313.7 | 5825.9 | 9588.4 | 18076.9 |
| 69° | 1251.7 | 1266.8 | 1304.8 | 1365.4 | 1426.1 | 1539.9 | 2002.6 | 4650.1 | 7236.8 | 13290.2 |
| 70° | 1191.0 | 1206.1 | 1251.7 | 1312.3 | 1365.4 | 1471.6 | 1843.3 | 4126.7 | 6182.4 | 10817.3 |
| 72.5° | 1039.2 | 1054.4 | 1084.8 | 1145.4 | 1206.1 | 1282.0 | 1486.8 | 2950.9 | 4202.5 | 6645.1 |
| 75° | 887.5 | 895.1 | 917.9 | 978.6 | 1039.2 | 1099.9 | 1251.7 | 2086.1 | 2791.6 | 4081.1 |
| 77.5° | 690.3 | 697.9 | 728.2 | 796.5 | 834.4 | 917.9 | 1062.0 | 1448.9 | 1828.2 | 2374.3 |
| 80° | 500.7 | 523.4 | 561.3 | 622.0 | 644.8 | 690.3 | 819.3 | 1039.2 | 1206.1 | 1456.5 |
| 82.5° | 341.4 | 356.5 | 394.5 | 447.6 | 462.7 | 462.7 | 584.1 | 766.2 | 857.2 | 948.2 |
| 85° | 197.2 | 204.8 | 197.2 | 227.6 | 265.5 | 273.1 | 379.3 | 462.7 | 531.0 | 614.4 |
| 87.5° | 60.7 | 60.7 | 60.7 | 75.9 | 91.0 | 98.6 | 166.9 | 212.4 | 265.5 | 318.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| 72.5° | | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° | 91° | 95° |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11151.1 | 0° | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 |
| 11204.2 | 2.5° | 11173.8 | 11264.9 | 11158.7 | 11151.1 | 11143.5 | 11090.4 | 11128.3 | 11120.7 | 11204.2 |
| 11401.4 | 5° | 11333.1 | 11333.1 | 11272.4 | 11318.0 | 11302.8 | 11128.3 | 11287.6 | 11287.6 | 11371.1 |
| 11651.7 | 7.5° | 11560.7 | 11575.9 | 11545.5 | 11522.8 | 11492.4 | 11363.5 | 11462.1 | 11446.9 | 11515.2 |
| 12114.5 | 10° | 12000.7 | 11985.5 | 11849.0 | 11849.0 | 11818.6 | 11682.1 | 11742.8 | 11788.3 | 11917.2 |
| 12562.0 | 12.5° | 12478.6 | 12380.0 | 12395.1 | 12342.0 | 12243.4 | 12008.3 | 12099.3 | 12106.9 | 12235.8 |
| 13191.6 | 15° | 13002.0 | 12895.8 | 12850.3 | 12804.8 | 12706.1 | 12486.2 | 12615.1 | 12539.3 | 12630.3 |
| 13768.2 | 17.5° | 13707.5 | 13570.9 | 13411.6 | 13290.2 | 13146.1 | 12971.6 | 13032.3 | 13093.0 | 13153.7 |
| 14519.1 | 20° | 14488.8 | 14268.8 | 14086.8 | 13889.5 | 13768.2 | 13548.2 | 13624.0 | 13631.6 | 13699.9 |
| 15308.1 | 22.5° | 15110.8 | 14921.2 | 14716.4 | 14572.2 | 14321.9 | 14101.9 | 14018.5 | 14033.7 | 14155.0 |
| 16119.7 | 25° | 15922.5 | 15581.1 | 15376.3 | 15141.2 | 14921.2 | 14541.9 | 14504.0 | 14519.1 | 14716.4 |
| 17030.0 | 27.5° | 16628.0 | 16347.3 | 16005.9 | 15649.4 | 15330.8 | 15027.4 | 14981.9 | 14928.8 | 15163.9 |
| 17864.5 | 30° | 17545.9 | 17128.6 | 16582.5 | 16241.1 | 15710.1 | 15285.3 | 15224.6 | 15277.7 | 15414.3 |
| 19085.8 | 32.5° | 18532.0 | 18092.0 | 17515.5 | 17075.5 | 16430.8 | 15937.7 | 15869.4 | 15922.5 | 16172.8 |
| 20345.0 | 35° | 19980.9 | 19503.0 | 18805.1 | 18130.0 | 17515.5 | 16976.9 | 16939.0 | 16855.6 | 17189.3 |
| 22074.6 | 37.5° | 21718.0 | 21080.8 | 20420.9 | 19669.9 | 19017.5 | 18258.9 | 18038.9 | 18107.2 | 18380.3 |
| 23751.0 | 40° | 23675.2 | 23068.3 | 22241.4 | 21384.3 | 20587.7 | 19783.7 | 19465.1 | 19419.5 | 19897.4 |
| 25935.7 | 42.5° | 25935.7 | 25518.5 | 24312.4 | 23295.9 | 22249.0 | 21240.1 | 20860.8 | 20883.6 | 21323.6 |
| 28370.7 | 45° | 28575.6 | 28264.5 | 27194.9 | 25920.5 | 24691.6 | 23409.7 | 23159.3 | 23174.5 | 23766.2 |
| 30570.6 | 47.5° | 31693.3 | 31890.5 | 30881.6 | 29538.9 | 28021.8 | 26474.3 | 25867.4 | 25715.7 | 26375.7 |
| 33309.1 | 50° | 34849.0 | 36093.0 | 35334.5 | 34052.5 | 32262.2 | 30434.1 | 29652.7 | 29379.6 | 30327.9 |
| 36024.8 | 52.5° | 38543.2 | 40545.9 | 40781.0 | 39794.9 | 37784.7 | 35228.3 | 34363.5 | 34082.8 | 35288.9 |
| 38763.2 | 55° | 42374.0 | 45431.1 | 46576.6 | 46713.1 | 44316.0 | 41509.3 | 39878.3 | 39552.1 | 41441.0 |
| 41160.3 | 57.5° | 46242.8 | 50862.5 | 53206.5 | 54594.7 | 52584.5 | 48935.7 | 46614.5 | 46265.5 | 49610.9 |
| 43071.9 | 60° | 50217.7 | 56483.6 | 60246.1 | 63750.7 | 62590.1 | 58539.3 | 54951.2 | 54966.4 | 59548.2 |
| 43891.2 | 62.5° | 53123.1 | 61004.7 | 66997.4 | 72648.8 | 73695.6 | 70873.7 | 66329.9 | 65867.1 | 70714.4 |
| 41448.6 | 65° | 54670.6 | 65275.5 | 72633.6 | 79339.4 | 82988.2 | 82851.7 | 79149.8 | 78740.2 | 82305.5 |
| 34378.7 | 67.5° | 52356.9 | 65434.8 | 74659.0 | 81334.5 | 88025.1 | 91719.4 | 91249.1 | 91954.6 | 89860.9 |
| 27240.5 | 69° | 47426.2 | 62620.4 | 72853.6 | 80318.0 | 87076.9 | 93320.0 | 95451.6 | 95967.4 | 90202.3 |
| 22544.9 | 70° | 42009.9 | 59123.4 | 69842.1 | 77048.5 | 83253.7 | 91013.9 | 95580.6 | 95739.9 | 87183.1 |
| 12698.6 | 72.5° | 26216.4 | 44316.0 | 54860.2 | 61748.1 | 65594.1 | 72944.7 | 80636.6 | 80507.7 | 68969.7 |
| 7100.3 | 75° | 13768.2 | 25533.7 | 34128.3 | 37625.4 | 39779.7 | 43557.4 | 48761.3 | 48108.9 | 41456.2 |
| 3633.6 | 77.5° | 6129.3 | 10847.6 | 13828.8 | 15808.7 | 16362.5 | 17462.4 | 17978.2 | 17553.4 | 16665.9 |
| 1957.1 | 80° | 2973.6 | 4490.8 | 5841.0 | 6174.8 | 5780.3 | 5507.3 | 5636.2 | 5575.5 | 6098.9 |
| 1130.3 | 82.5° | 1479.2 | 2063.3 | 2328.8 | 2791.6 | 4111.5 | 5052.1 | 5196.2 | 5135.6 | 4604.6 |
| 682.7 | 85° | 788.9 | 948.2 | 1092.3 | 2002.6 | 3679.1 | 4612.1 | 4748.7 | 4725.9 | 4255.6 |
| 371.7 | 87.5° | 440.0 | 546.2 | 788.9 | 1600.6 | 2222.6 | 2351.6 | 2480.5 | 2404.7 | 2473.0 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: EPH-VN-08-E-750-U-T1

CANDELA DISTRIBUTION (continued):

| 105° | 115° | | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---------|---------|-------|---------|---------|---------|---------|---------|---------|---------|
| 11151.1 | 11151.1 | 0° | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 | 11151.1 |
| 11181.4 | 11280.0 | 2.5° | 11219.3 | 11280.0 | 11310.4 | 11196.6 | 11264.9 | 11204.2 | 11219.3 |
| 11355.9 | 11484.8 | 5° | 11409.0 | 11553.1 | 11530.4 | 11530.4 | 11545.5 | 11454.5 | 11492.4 |
| 11515.2 | 11704.8 | 7.5° | 11788.3 | 11841.4 | 11962.7 | 11917.2 | 11871.7 | 11780.7 | 11795.9 |
| 11947.6 | 12129.6 | 10° | 12304.1 | 12304.1 | 12380.0 | 12304.1 | 12160.0 | 12099.3 | 12084.1 |
| 12387.5 | 12728.9 | 12.5° | 12804.8 | 12728.9 | 12774.4 | 12554.4 | 12387.5 | 12266.2 | 12326.9 |
| 12782.0 | 13176.5 | 15° | 13252.3 | 13237.1 | 13070.3 | 12789.6 | 12380.0 | 12160.0 | 12175.1 |
| 13464.7 | 13813.7 | 17.5° | 13919.9 | 13783.3 | 13343.3 | 12615.1 | 12106.9 | 11894.5 | 11788.3 |
| 14101.9 | 14504.0 | 20° | 14579.8 | 14200.5 | 13313.0 | 12334.4 | 11659.3 | 11310.4 | 11318.0 |
| 14640.5 | 15217.0 | 22.5° | 15156.3 | 14359.8 | 13206.8 | 11977.9 | 11249.7 | 10779.4 | 10771.8 |
| 15399.1 | 15960.4 | 25° | 15710.1 | 14268.8 | 12994.4 | 11651.7 | 10794.5 | 10339.4 | 10278.7 |
| 16066.6 | 16794.9 | 27.5° | 16142.5 | 14185.4 | 12478.6 | 11128.3 | 10172.5 | 9800.8 | 9762.9 |
| 16673.5 | 17712.7 | 30° | 16415.6 | 14003.3 | 12015.8 | 10513.9 | 9596.0 | 9231.9 | 9216.7 |
| 17788.6 | 18494.1 | 32.5° | 16726.6 | 13722.6 | 11409.0 | 9967.7 | 9087.7 | 8693.3 | 8670.5 |
| 19100.9 | 19647.1 | 35° | 17014.9 | 13297.8 | 10915.9 | 9451.9 | 8556.7 | 8094.0 | 8025.7 |
| 20701.5 | 20951.9 | 37.5° | 17075.5 | 12827.5 | 10301.5 | 8837.4 | 7896.8 | 7449.2 | 7441.6 |
| 22742.1 | 22082.1 | 40° | 17083.1 | 12258.6 | 9649.1 | 8223.0 | 7252.0 | 6796.8 | 6766.5 |
| 24949.6 | 23037.9 | 42.5° | 16779.7 | 11606.2 | 8996.7 | 7494.7 | 6584.4 | 6045.8 | 6007.9 |
| 27581.8 | 24206.2 | 45° | 16081.8 | 10824.9 | 8162.3 | 6690.6 | 5848.6 | 5348.0 | 5287.3 |
| 30692.0 | 25260.6 | 47.5° | 15148.8 | 9846.3 | 7320.3 | 5871.4 | 5014.2 | 4559.0 | 4521.1 |
| 34082.8 | 25943.3 | 50° | 13889.5 | 8746.4 | 6303.8 | 4983.8 | 4172.2 | 3800.5 | 3709.4 |
| 38042.6 | 26034.3 | 52.5° | 12326.9 | 7487.1 | 5241.8 | 4058.4 | 3398.4 | 3072.2 | 3019.1 |
| 42366.5 | 25275.7 | 55° | 10460.8 | 6129.3 | 4187.3 | 3239.1 | 2639.8 | 2389.5 | 2344.0 |
| 46364.2 | 23356.5 | 57.5° | 8382.3 | 4718.3 | 3223.9 | 2503.3 | 2116.4 | 1942.0 | 1888.9 |
| 50809.4 | 19783.7 | 60° | 6265.8 | 3557.7 | 2473.0 | 1987.5 | 1729.6 | 1608.2 | 1585.4 |
| 54776.8 | 15368.7 | 62.5° | 4505.9 | 2677.8 | 1942.0 | 1661.3 | 1517.2 | 1456.5 | 1441.3 |
| 57014.6 | 10324.2 | 65° | 3315.0 | 2063.3 | 1615.8 | 1502.0 | 1395.8 | 1342.7 | 1319.9 |
| 56635.3 | 6758.9 | 67.5° | 2465.4 | 1653.7 | 1433.7 | 1365.4 | 1289.6 | 1236.5 | 1221.3 |
| 53077.6 | 5385.9 | 69° | 2078.5 | 1494.4 | 1342.7 | 1274.4 | 1206.1 | 1160.6 | 1137.9 |
| 48859.9 | 4581.8 | 70° | 1881.3 | 1411.0 | 1297.2 | 1228.9 | 1153.0 | 1115.1 | 1092.3 |
| 32778.1 | 3079.8 | 72.5° | 1479.2 | 1221.3 | 1153.0 | 1077.2 | 1024.1 | 978.6 | 971.0 |
| 17219.7 | 2177.1 | 75° | 1221.3 | 1046.8 | 993.7 | 933.0 | 879.9 | 834.4 | 834.4 |
| 7502.3 | 1562.7 | 77.5° | 1024.1 | 864.8 | 819.3 | 758.6 | 705.5 | 660.0 | 652.4 |
| 3603.2 | 1130.3 | 80° | 796.5 | 660.0 | 629.6 | 606.9 | 546.2 | 477.9 | 470.3 |
| 1904.0 | 811.7 | 82.5° | 568.9 | 447.6 | 440.0 | 424.8 | 371.7 | 333.8 | 318.6 |
| 1031.7 | 485.5 | 85° | 356.5 | 257.9 | 235.2 | 204.8 | 182.1 | 182.1 | 182.1 |
| 500.7 | 212.4 | 87.5° | 136.5 | 75.9 | 75.9 | 60.7 | 45.5 | 45.5 | 45.5 |
| 0.0 | 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)