

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: P624195

Luminaire Tested: **EPH-VN-07-E-740-U-77**

Issue Date: 11/2/2022

Test Information

Test Method: LM-79-2019
Report Number: P624195
Test Lab: INNOVATION CENTER(G2)
Issue Date: 11/2/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-07-E-740-U-77
Description: EPHESUS LUMAVISION FLOOD – Middle Tier Light Square Luminaire w/
Nema 7 distribution lens
Light Source: (112) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

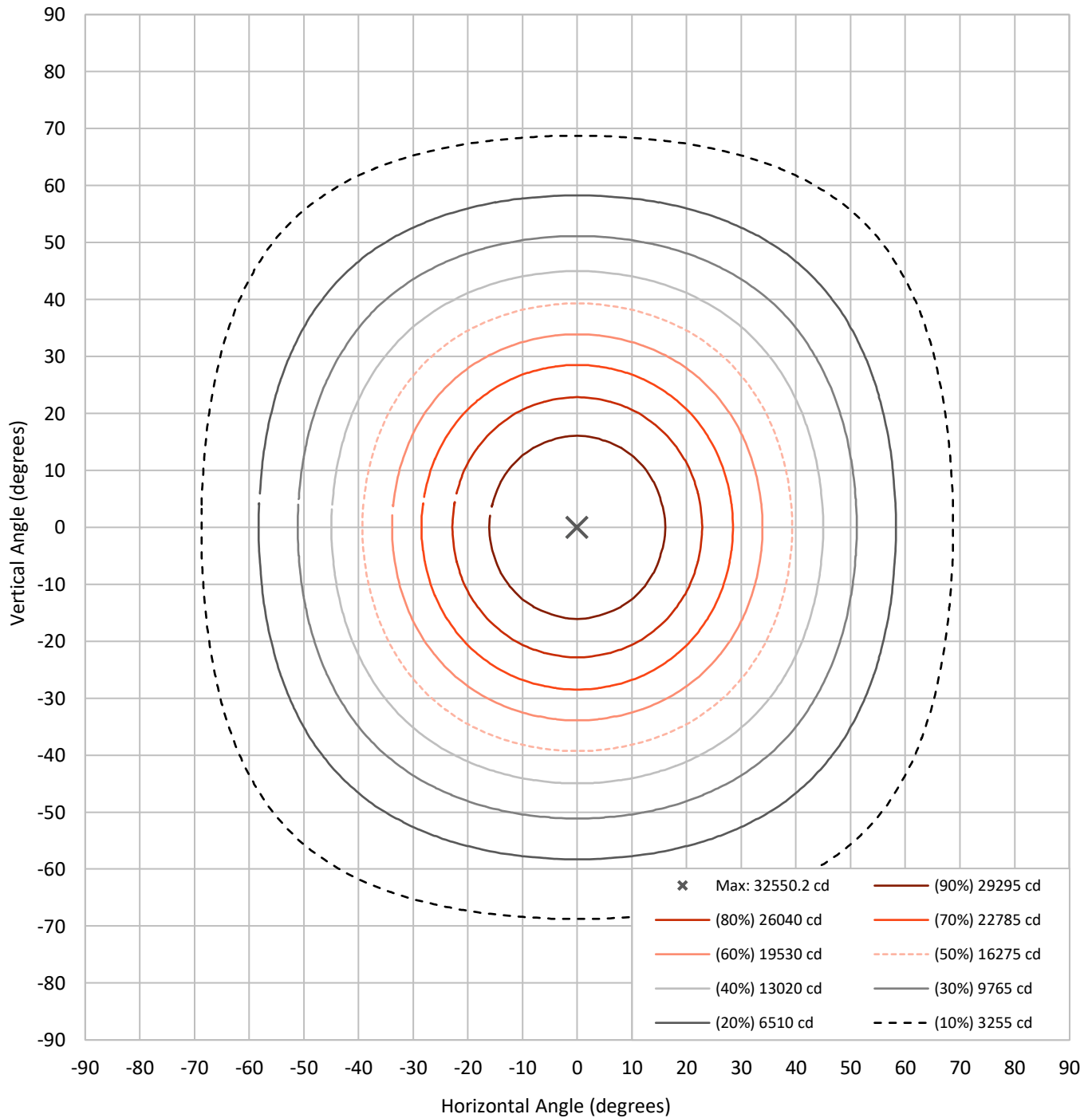
| | | | |
|-------------------|------------------------------------|----------------------|-------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 7H x 7V |
| Luminaire Lumens: | 58607.3 lumens | Max Intensity: | 32550.2 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 110.0 lumens/watt | | |
| Luminous Opening: | Rectangular (W 2' x L: 1' x H: 0') | | |
| Beam Angle (50%): | 78.6°H x 78.6°V | Field Angle (10%): | 137.5°H x 137.5°V |
| Beam Lumens: | 25358.8 lumens | Field Lumens: | 41524.2 lumens |
| Beam Efficiency: | 43.3% | Field Efficiency: | 70.9% |

Input Watts (W): 532.7
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



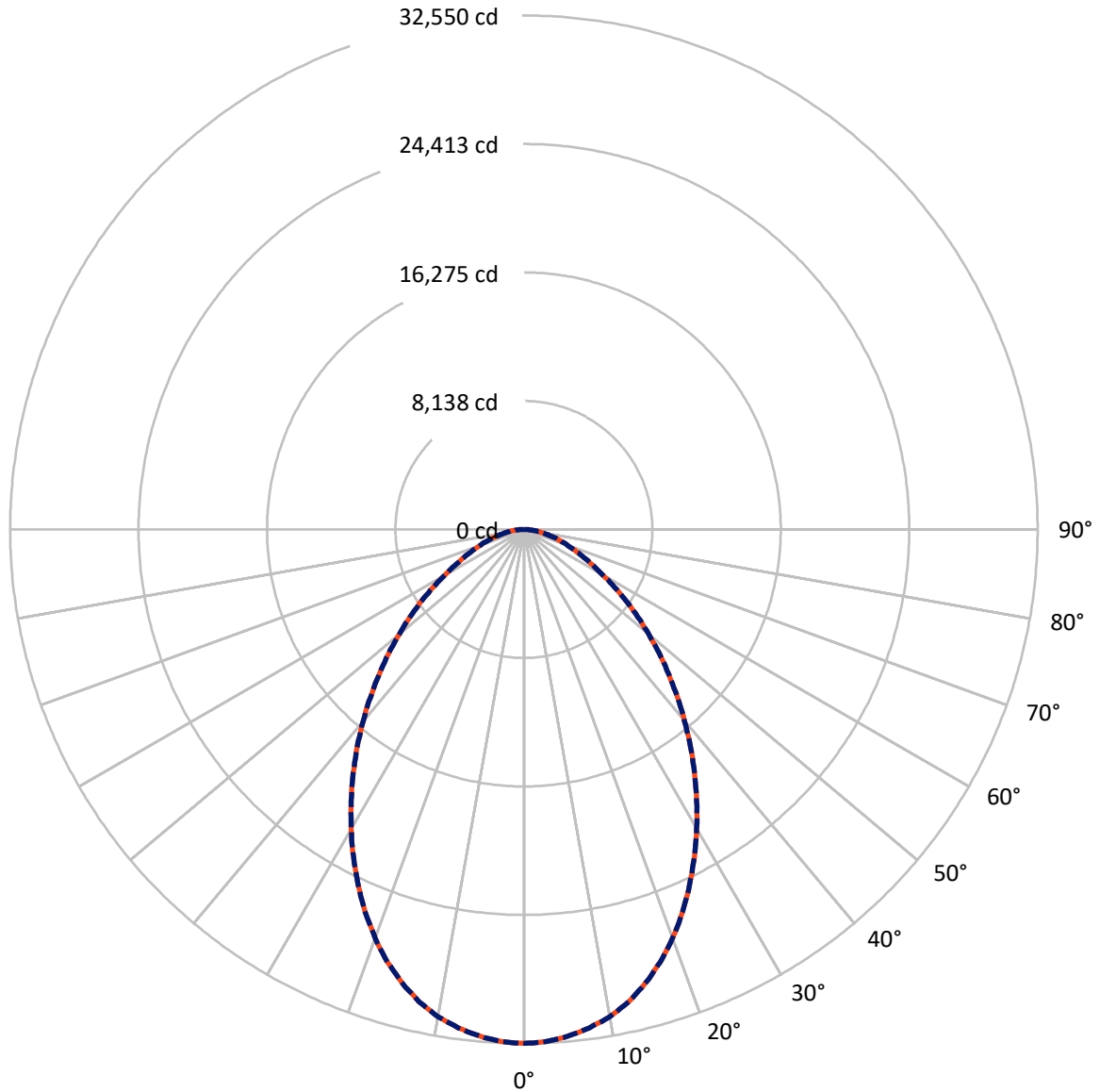
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Iso-Candela Plot



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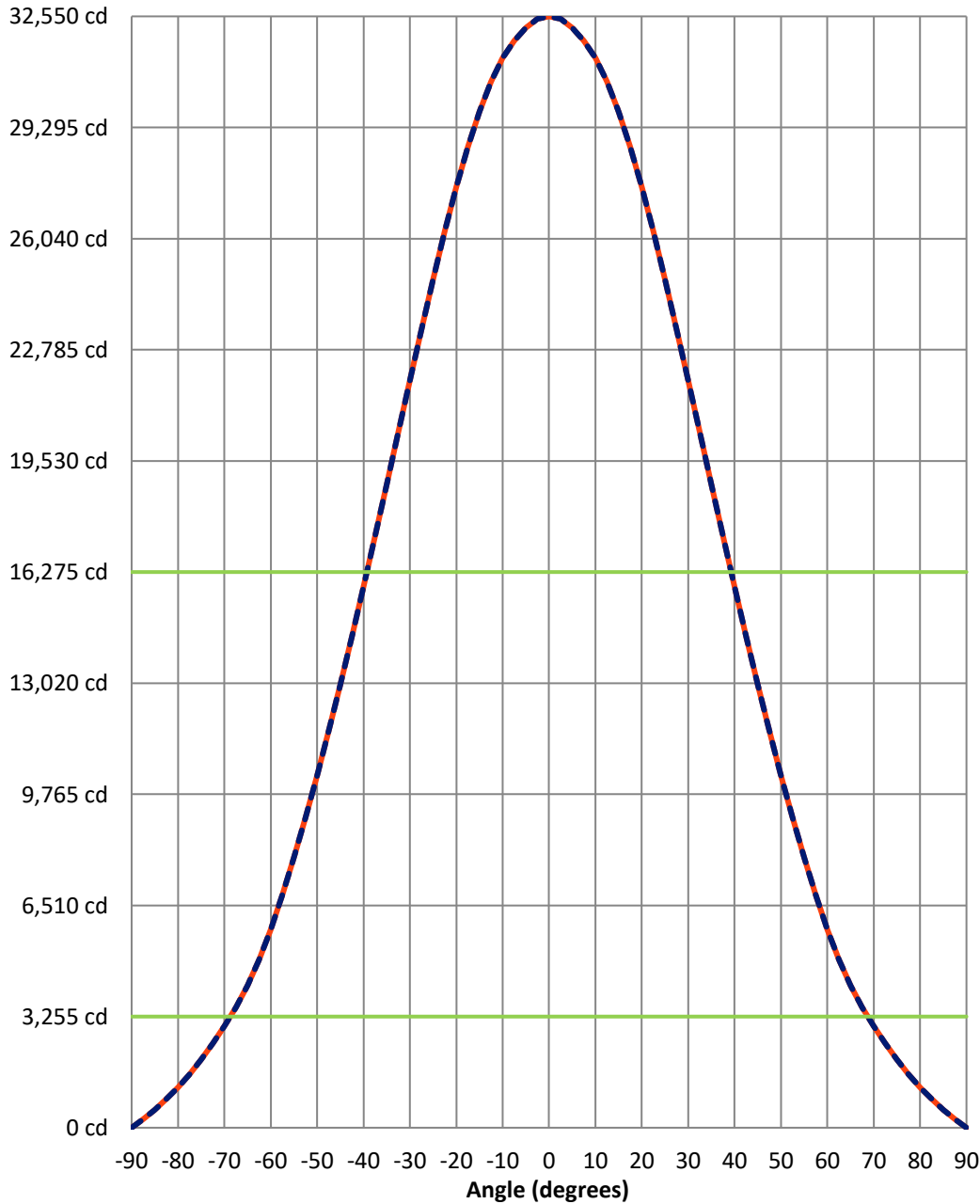
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 78.6°
V Angle: 78.6°
Lumens: 25358.8
Efficiency: 43.3%

Field:
H Angle: 137.5°
V Angle: 137.5°
Lumens: 41524.2
Efficiency: 70.9%

Spill:
Lumens: 17083.1
Efficiency: 29.1%

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



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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° | 250.5 | 250.5 | 250.5 | 250.5 | 250.5 | 250.5 | 250.5 | 238.3 | 238.3 | 232.2 | 226.1 |
| 85° | 525.5 | 525.5 | 525.5 | 525.5 | 525.5 | 513.3 | 507.2 | 501.1 | 494.9 | 482.7 | 476.6 |
| 82.5° | 843.2 | 843.2 | 843.2 | 843.2 | 831.0 | 818.8 | 812.7 | 800.5 | 788.2 | 769.9 | 751.6 |
| 80° | 1179.3 | 1179.3 | 1179.3 | 1179.3 | 1161.0 | 1148.8 | 1130.4 | 1118.2 | 1099.9 | 1075.4 | 1051.0 |
| 77.5° | 1564.3 | 1564.3 | 1564.3 | 1545.9 | 1533.7 | 1515.4 | 1497.1 | 1472.6 | 1448.2 | 1417.6 | 1381.0 |
| 75° | 1998.1 | 1998.1 | 1998.1 | 1973.7 | 1955.3 | 1937.0 | 1906.4 | 1875.9 | 1839.2 | 1796.5 | 1747.6 |
| 72.5° | 2468.6 | 2468.6 | 2468.6 | 2438.1 | 2419.7 | 2389.2 | 2352.5 | 2309.7 | 2267.0 | 2212.0 | 2150.9 |
| 70° | 2975.8 | 2975.8 | 2975.8 | 2939.1 | 2908.6 | 2878.0 | 2829.1 | 2780.2 | 2719.1 | 2658.0 | 2584.7 |
| 67.5° | 3525.7 | 3525.7 | 3525.7 | 3482.9 | 3446.3 | 3403.5 | 3348.5 | 3287.4 | 3214.1 | 3128.5 | 3043.0 |
| 65° | 4167.3 | 4167.3 | 4142.9 | 4106.2 | 4063.4 | 4002.3 | 3935.1 | 3849.6 | 3757.9 | 3647.9 | 3531.8 |
| 62.5° | 4925.0 | 4925.0 | 4888.3 | 4845.6 | 4790.6 | 4711.1 | 4619.5 | 4509.5 | 4381.2 | 4240.6 | 4100.1 |
| 60° | 5804.9 | 5804.9 | 5762.1 | 5707.1 | 5627.7 | 5529.9 | 5407.7 | 5267.2 | 5108.3 | 4931.1 | 4760.0 |
| 57.5° | 6819.2 | 6819.2 | 6764.2 | 6690.9 | 6593.1 | 6470.9 | 6318.2 | 6141.0 | 5939.3 | 5719.3 | 5505.5 |
| 55° | 7919.1 | 7919.1 | 7851.9 | 7766.3 | 7650.2 | 7503.6 | 7320.3 | 7112.5 | 6868.1 | 6617.6 | 6342.6 |
| 52.5° | 9086.2 | 9086.2 | 9006.8 | 8909.0 | 8774.6 | 8603.5 | 8395.7 | 8151.3 | 7870.2 | 7576.9 | 7253.1 |
| 50° | 10314.4 | 10314.4 | 10222.7 | 10112.7 | 9960.0 | 9758.3 | 9520.0 | 9238.9 | 8927.3 | 8585.1 | 8212.4 |
| 47.5° | 11628.1 | 11628.1 | 11524.2 | 11395.9 | 11212.6 | 10980.4 | 10699.3 | 10375.5 | 10021.1 | 9636.1 | 9214.5 |
| 45° | 12978.5 | 12978.5 | 12862.4 | 12715.8 | 12514.1 | 12251.4 | 11939.7 | 11628.1 | 11175.9 | 10729.9 | 10241.1 |
| 42.5° | 14383.9 | 14383.9 | 14249.5 | 14084.5 | 13852.3 | 13565.1 | 13210.7 | 12807.4 | 12361.4 | 11860.3 | 11328.7 |
| 40° | 15844.3 | 15844.3 | 15691.5 | 15502.1 | 15245.5 | 14915.5 | 14518.3 | 14066.2 | 13565.1 | 13009.1 | 12422.5 |
| 37.5° | 17335.2 | 17335.2 | 17164.2 | 16956.4 | 16669.2 | 16302.6 | 15856.5 | 15355.5 | 14793.3 | 14176.2 | 13528.5 |
| 35° | 18838.4 | 18838.4 | 18649.0 | 18422.9 | 18105.2 | 17701.9 | 17219.1 | 16663.1 | 16039.8 | 15367.7 | 14640.6 |
| 32.5° | 20372.1 | 20372.1 | 20164.4 | 19907.7 | 19547.2 | 19101.2 | 18569.5 | 17964.6 | 17335.2 | 16553.1 | 15758.8 |
| 30° | 21887.5 | 21887.5 | 21661.4 | 21380.3 | 20995.4 | 20506.6 | 19926.1 | 19260.0 | 18520.7 | 17720.2 | 16864.7 |
| 27.5° | 23378.4 | 23317.3 | 23127.9 | 22828.5 | 22406.9 | 21887.5 | 21258.1 | 20537.1 | 19736.6 | 18856.7 | 17940.2 |
| 25° | 24844.9 | 24777.7 | 24570.0 | 24240.0 | 23787.8 | 23219.6 | 22541.3 | 21771.4 | 20909.8 | 19981.1 | 18978.9 |
| 22.5° | 26250.3 | 26177.0 | 25957.0 | 25602.6 | 25119.9 | 24502.8 | 23775.6 | 22950.7 | 22034.2 | 21038.2 | 19981.1 |
| 20° | 27551.9 | 27472.4 | 27246.3 | 26873.6 | 26372.5 | 25718.7 | 24948.8 | 24062.8 | 23085.1 | 22034.2 | 20909.8 |
| 17.5° | 28725.1 | 28645.6 | 28407.3 | 28022.4 | 27551.9 | 26824.7 | 26030.4 | 25095.5 | 24062.8 | 22950.7 | 21771.4 |
| 15° | 29757.7 | 29672.2 | 29427.8 | 29042.8 | 28505.1 | 27820.7 | 26983.6 | 26030.4 | 24948.8 | 23775.6 | 22541.3 |
| 12.5° | 30637.6 | 30552.1 | 30301.5 | 29916.6 | 29360.5 | 28676.2 | 27820.7 | 26824.7 | 25718.7 | 24502.8 | 23219.6 |
| 10° | 31334.2 | 31248.7 | 31010.4 | 30643.7 | 30069.3 | 29360.5 | 28505.1 | 27551.9 | 26372.5 | 25119.9 | 23787.8 |
| 7.5° | 31835.3 | 31755.8 | 31535.8 | 31169.2 | 30643.7 | 29916.6 | 29042.8 | 28022.4 | 26873.6 | 25602.6 | 24240.0 |
| 5° | 32214.1 | 32122.4 | 31902.5 | 31535.8 | 31010.4 | 30301.5 | 29427.8 | 28407.3 | 27246.3 | 25957.0 | 24570.0 |
| 2.5° | 32476.9 | 32366.9 | 32122.4 | 31755.8 | 31248.7 | 30552.1 | 29672.2 | 28645.6 | 27472.4 | 26177.0 | 24777.7 |
| 0° | 32550.2 | 32476.9 | 32214.1 | 31835.3 | 31334.2 | 30637.6 | 29757.7 | 28725.1 | 27551.9 | 26250.3 | 24844.9 |



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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° | 220.0 | 220.0 | 213.9 | 207.8 | 201.6 | 189.4 | 183.3 | 177.2 | 171.1 | 158.9 | 152.8 |
| 85° | 464.4 | 452.2 | 439.9 | 427.7 | 409.4 | 397.2 | 378.8 | 366.6 | 348.3 | 330.0 | 311.6 |
| 82.5° | 733.2 | 714.9 | 690.5 | 672.1 | 647.7 | 617.2 | 592.7 | 562.2 | 531.6 | 507.2 | 476.6 |
| 80° | 1026.5 | 996.0 | 965.4 | 934.9 | 898.2 | 861.6 | 824.9 | 788.2 | 745.5 | 702.7 | 659.9 |
| 77.5° | 1344.3 | 1301.5 | 1258.7 | 1209.9 | 1167.1 | 1118.2 | 1069.3 | 1020.4 | 965.4 | 910.5 | 855.5 |
| 75° | 1698.7 | 1643.7 | 1582.6 | 1521.5 | 1466.5 | 1399.3 | 1332.1 | 1264.9 | 1191.5 | 1124.3 | 1051.0 |
| 72.5° | 2083.7 | 2016.4 | 1943.1 | 1869.8 | 1790.4 | 1704.8 | 1619.3 | 1527.6 | 1442.1 | 1356.5 | 1264.9 |
| 70° | 2499.2 | 2419.7 | 2328.1 | 2236.4 | 2138.6 | 2034.8 | 1930.9 | 1820.9 | 1710.9 | 1600.9 | 1490.9 |
| 67.5° | 2945.2 | 2847.5 | 2737.5 | 2627.5 | 2505.3 | 2383.1 | 2260.9 | 2132.5 | 1998.1 | 1863.7 | 1735.4 |
| 65° | 3421.8 | 3299.6 | 3171.3 | 3030.8 | 2890.2 | 2749.7 | 2603.0 | 2450.3 | 2297.5 | 2138.6 | 1998.1 |
| 62.5° | 3953.4 | 3800.7 | 3635.7 | 3464.6 | 3305.7 | 3134.6 | 2975.8 | 2786.3 | 2603.0 | 2425.8 | 2248.6 |
| 60° | 4570.6 | 4368.9 | 4167.3 | 3953.4 | 3751.8 | 3531.8 | 3336.3 | 3128.5 | 2920.8 | 2719.1 | 2511.4 |
| 57.5° | 5261.1 | 5004.4 | 4760.0 | 4503.4 | 4234.5 | 3990.1 | 3739.6 | 3489.0 | 3256.9 | 3018.5 | 2792.5 |
| 55° | 6043.2 | 5731.6 | 5426.0 | 5108.3 | 4796.7 | 4491.2 | 4173.4 | 3892.3 | 3605.1 | 3336.3 | 3073.5 |
| 52.5° | 6898.7 | 6544.3 | 6165.4 | 5804.9 | 5407.7 | 5028.9 | 4674.5 | 4320.1 | 3984.0 | 3660.1 | 3360.7 |
| 50° | 7815.2 | 7399.7 | 6965.9 | 6525.9 | 6073.8 | 5627.7 | 5200.0 | 4784.5 | 4393.4 | 4014.5 | 3660.1 |
| 47.5° | 8768.4 | 8297.9 | 7803.0 | 7301.9 | 6819.2 | 6275.4 | 5762.1 | 5291.6 | 4821.1 | 4393.4 | 3984.0 |
| 45° | 9746.1 | 9214.5 | 8670.7 | 8102.4 | 7534.1 | 6947.5 | 6379.3 | 5804.9 | 5291.6 | 4784.5 | 4320.1 |
| 42.5° | 10754.3 | 10155.5 | 9550.6 | 8921.2 | 8291.8 | 7650.2 | 7008.6 | 6379.3 | 5762.1 | 5200.0 | 4674.5 |
| 40° | 11793.1 | 11133.2 | 10442.7 | 9758.3 | 9086.2 | 8352.9 | 7650.2 | 6947.5 | 6275.4 | 5627.7 | 5028.9 |
| 37.5° | 12831.9 | 12110.8 | 11365.4 | 10595.5 | 9825.5 | 9086.2 | 8291.8 | 7534.1 | 6819.2 | 6073.8 | 5407.7 |
| 35° | 13876.8 | 13082.4 | 12275.8 | 11438.7 | 10595.5 | 9758.3 | 8921.2 | 8102.4 | 7301.9 | 6525.9 | 5804.9 |
| 32.5° | 14927.7 | 14060.1 | 13167.9 | 12275.8 | 11365.4 | 10442.7 | 9550.6 | 8670.7 | 7803.0 | 6965.9 | 6165.4 |
| 30° | 15960.4 | 15019.4 | 14060.1 | 13082.4 | 12110.8 | 11133.2 | 10155.5 | 9214.5 | 8297.9 | 7399.7 | 6544.3 |
| 27.5° | 16968.6 | 15960.4 | 14927.7 | 13876.8 | 12831.9 | 11793.1 | 10754.3 | 9746.1 | 8768.4 | 7815.2 | 6898.7 |
| 25° | 17940.2 | 16864.7 | 15758.8 | 14640.6 | 13528.5 | 12422.5 | 11328.7 | 10241.1 | 9214.5 | 8212.4 | 7253.1 |
| 22.5° | 18856.7 | 17720.2 | 16553.1 | 15367.7 | 14176.2 | 13009.1 | 11860.3 | 10729.9 | 9636.1 | 8585.1 | 7576.9 |
| 20° | 19736.6 | 18520.7 | 17335.2 | 16039.8 | 14793.3 | 13565.1 | 12361.4 | 11175.9 | 10021.1 | 8927.3 | 7870.2 |
| 17.5° | 20537.1 | 19260.0 | 17964.6 | 16663.1 | 15355.5 | 14066.2 | 12807.4 | 11628.1 | 10375.5 | 9238.9 | 8151.3 |
| 15° | 21258.1 | 19926.1 | 18569.5 | 17219.1 | 15856.5 | 14518.3 | 13210.7 | 11939.7 | 10699.3 | 9520.0 | 8395.7 |
| 12.5° | 21887.5 | 20506.6 | 19101.2 | 17701.9 | 16302.6 | 14915.5 | 13565.1 | 12251.4 | 10980.4 | 9758.3 | 8603.5 |
| 10° | 22406.9 | 20995.4 | 19547.2 | 18105.2 | 16669.2 | 15245.5 | 13852.3 | 12514.1 | 11212.6 | 9960.0 | 8774.6 |
| 7.5° | 22828.5 | 21380.3 | 19907.7 | 18422.9 | 16956.4 | 15502.1 | 14084.5 | 12715.8 | 11395.9 | 10112.7 | 8909.0 |
| 5° | 23127.9 | 21661.4 | 20164.4 | 18649.0 | 17164.2 | 15691.5 | 14249.5 | 12862.4 | 11524.2 | 10222.7 | 9006.8 |
| 2.5° | 23317.3 | 21887.5 | 20372.1 | 18838.4 | 17335.2 | 15844.3 | 14383.9 | 12978.5 | 11628.1 | 10314.4 | 9086.2 |
| 0° | 23378.4 | 21887.5 | 20372.1 | 18838.4 | 17335.2 | 15844.3 | 14383.9 | 12978.5 | 11628.1 | 10314.4 | 9086.2 |



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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° | 146.6 | 134.4 | 122.2 | 116.1 | 103.9 | 97.8 | 85.5 | 73.3 | 67.2 | 55.0 | 42.8 |
| 85° | 293.3 | 268.9 | 250.5 | 232.2 | 213.9 | 189.4 | 171.1 | 152.8 | 128.3 | 110.0 | 85.5 |
| 82.5° | 446.1 | 415.5 | 385.0 | 354.4 | 323.9 | 293.3 | 256.6 | 226.1 | 195.5 | 165.0 | 128.3 |
| 80° | 617.2 | 568.3 | 525.5 | 482.7 | 439.9 | 397.2 | 348.3 | 305.5 | 256.6 | 213.9 | 171.1 |
| 77.5° | 794.4 | 739.4 | 678.3 | 617.2 | 556.0 | 501.1 | 439.9 | 385.0 | 330.0 | 268.9 | 213.9 |
| 75° | 983.8 | 910.5 | 843.2 | 763.8 | 690.5 | 611.0 | 537.7 | 464.4 | 397.2 | 330.0 | 256.6 |
| 72.5° | 1179.3 | 1087.7 | 996.0 | 910.5 | 818.8 | 727.1 | 641.6 | 549.9 | 464.4 | 385.0 | 305.5 |
| 70° | 1381.0 | 1271.0 | 1161.0 | 1057.1 | 953.2 | 843.2 | 745.5 | 641.6 | 537.7 | 439.9 | 348.3 |
| 67.5° | 1594.8 | 1466.5 | 1338.2 | 1203.8 | 1087.7 | 965.4 | 843.2 | 727.1 | 611.0 | 501.1 | 397.2 |
| 65° | 1827.0 | 1674.3 | 1515.4 | 1374.8 | 1222.1 | 1087.7 | 953.2 | 818.8 | 690.5 | 556.0 | 439.9 |
| 62.5° | 2065.3 | 1888.1 | 1710.9 | 1533.7 | 1374.8 | 1203.8 | 1057.1 | 910.5 | 763.8 | 617.2 | 482.7 |
| 60° | 2309.7 | 2108.1 | 1906.4 | 1710.9 | 1515.4 | 1338.2 | 1161.0 | 996.0 | 843.2 | 678.3 | 525.5 |
| 57.5° | 2560.3 | 2334.2 | 2108.1 | 1888.1 | 1674.3 | 1466.5 | 1271.0 | 1087.7 | 910.5 | 739.4 | 568.3 |
| 55° | 2816.9 | 2560.3 | 2309.7 | 2065.3 | 1827.0 | 1594.8 | 1381.0 | 1179.3 | 983.8 | 794.4 | 617.2 |
| 52.5° | 3073.5 | 2792.5 | 2511.4 | 2248.6 | 1998.1 | 1735.4 | 1490.9 | 1264.9 | 1051.0 | 855.5 | 659.9 |
| 50° | 3336.3 | 3018.5 | 2719.1 | 2425.8 | 2138.6 | 1863.7 | 1600.9 | 1356.5 | 1124.3 | 910.5 | 702.7 |
| 47.5° | 3605.1 | 3256.9 | 2920.8 | 2603.0 | 2297.5 | 1998.1 | 1710.9 | 1442.1 | 1191.5 | 965.4 | 745.5 |
| 45° | 3892.3 | 3489.0 | 3128.5 | 2786.3 | 2450.3 | 2132.5 | 1820.9 | 1527.6 | 1264.9 | 1020.4 | 788.2 |
| 42.5° | 4173.4 | 3739.6 | 3336.3 | 2975.8 | 2603.0 | 2260.9 | 1930.9 | 1619.3 | 1332.1 | 1069.3 | 824.9 |
| 40° | 4491.2 | 3990.1 | 3531.8 | 3134.6 | 2749.7 | 2383.1 | 2034.8 | 1704.8 | 1399.3 | 1118.2 | 861.6 |
| 37.5° | 4796.7 | 4234.5 | 3751.8 | 3305.7 | 2890.2 | 2505.3 | 2138.6 | 1790.4 | 1466.5 | 1167.1 | 898.2 |
| 35° | 5108.3 | 4503.4 | 3953.4 | 3464.6 | 3030.8 | 2627.5 | 2236.4 | 1869.8 | 1521.5 | 1209.9 | 934.9 |
| 32.5° | 5426.0 | 4760.0 | 4167.3 | 3635.7 | 3171.3 | 2737.5 | 2328.1 | 1943.1 | 1582.6 | 1258.7 | 965.4 |
| 30° | 5731.6 | 5004.4 | 4368.9 | 3800.7 | 3299.6 | 2847.5 | 2419.7 | 2016.4 | 1643.7 | 1301.5 | 996.0 |
| 27.5° | 6043.2 | 5261.1 | 4570.6 | 3953.4 | 3421.8 | 2945.2 | 2499.2 | 2083.7 | 1698.7 | 1344.3 | 1026.5 |
| 25° | 6342.6 | 5505.5 | 4760.0 | 4100.1 | 3531.8 | 3043.0 | 2584.7 | 2150.9 | 1747.6 | 1381.0 | 1051.0 |
| 22.5° | 6617.6 | 5719.3 | 4931.1 | 4240.6 | 3647.9 | 3128.5 | 2658.0 | 2212.0 | 1796.5 | 1417.6 | 1075.4 |
| 20° | 6868.1 | 5939.3 | 5108.3 | 4381.2 | 3757.9 | 3214.1 | 2719.1 | 2267.0 | 1839.2 | 1448.2 | 1099.9 |
| 17.5° | 7112.5 | 6141.0 | 5267.2 | 4509.5 | 3849.6 | 3287.4 | 2780.2 | 2309.7 | 1875.9 | 1472.6 | 1118.2 |
| 15° | 7320.3 | 6318.2 | 5407.7 | 4619.5 | 3935.1 | 3348.5 | 2829.1 | 2352.5 | 1906.4 | 1497.1 | 1130.4 |
| 12.5° | 7503.6 | 6470.9 | 5529.9 | 4711.1 | 4002.3 | 3403.5 | 2878.0 | 2389.2 | 1937.0 | 1515.4 | 1148.8 |
| 10° | 7650.2 | 6593.1 | 5627.7 | 4790.6 | 4063.4 | 3446.3 | 2908.6 | 2419.7 | 1955.3 | 1533.7 | 1161.0 |
| 7.5° | 7766.3 | 6690.9 | 5707.1 | 4845.6 | 4106.2 | 3482.9 | 2939.1 | 2438.1 | 1973.7 | 1545.9 | 1179.3 |
| 5° | 7851.9 | 6764.2 | 5762.1 | 4888.3 | 4142.9 | 3525.7 | 2975.8 | 2468.6 | 1998.1 | 1564.3 | 1179.3 |
| 2.5° | 7919.1 | 6819.2 | 5804.9 | 4925.0 | 4167.3 | 3525.7 | 2975.8 | 2468.6 | 1998.1 | 1564.3 | 1179.3 |
| 0° | 7919.1 | 6819.2 | 5804.9 | 4925.0 | 4167.3 | 3525.7 | 2975.8 | 2468.6 | 1998.1 | 1564.3 | 1179.3 |



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 CATALOG NUMBER: EPH-VN-07-E-740-U-77

CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° |
|-------|-------|-------|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 30.6 | 24.4 | 12.2 | 0.0 |
| 85° | 67.2 | 42.8 | 24.4 | 0.0 |
| 82.5° | 97.8 | 67.2 | 30.6 | 0.0 |
| 80° | 128.3 | 85.5 | 42.8 | 0.0 |
| 77.5° | 165.0 | 110.0 | 55.0 | 0.0 |
| 75° | 195.5 | 128.3 | 67.2 | 0.0 |
| 72.5° | 226.1 | 152.8 | 73.3 | 0.0 |
| 70° | 256.6 | 171.1 | 85.5 | 0.0 |
| 67.5° | 293.3 | 189.4 | 97.8 | 0.0 |
| 65° | 323.9 | 213.9 | 103.9 | 0.0 |
| 62.5° | 354.4 | 232.2 | 116.1 | 0.0 |
| 60° | 385.0 | 250.5 | 122.2 | 0.0 |
| 57.5° | 415.5 | 268.9 | 134.4 | 0.0 |
| 55° | 446.1 | 293.3 | 146.6 | 0.0 |
| 52.5° | 476.6 | 311.6 | 152.8 | 0.0 |
| 50° | 507.2 | 330.0 | 158.9 | 0.0 |
| 47.5° | 531.6 | 348.3 | 171.1 | 0.0 |
| 45° | 562.2 | 366.6 | 177.2 | 0.0 |
| 42.5° | 592.7 | 378.8 | 183.3 | 0.0 |
| 40° | 617.2 | 397.2 | 189.4 | 0.0 |
| 37.5° | 647.7 | 409.4 | 201.6 | 0.0 |
| 35° | 672.1 | 427.7 | 207.8 | 0.0 |
| 32.5° | 690.5 | 439.9 | 213.9 | 0.0 |
| 30° | 714.9 | 452.2 | 220.0 | 0.0 |
| 27.5° | 733.2 | 464.4 | 220.0 | 0.0 |
| 25° | 751.6 | 476.6 | 226.1 | 0.0 |
| 22.5° | 769.9 | 482.7 | 232.2 | 0.0 |
| 20° | 788.2 | 494.9 | 238.3 | 0.0 |
| 17.5° | 800.5 | 501.1 | 238.3 | 0.0 |
| 15° | 812.7 | 507.2 | 250.5 | 0.0 |
| 12.5° | 818.8 | 513.3 | 250.5 | 0.0 |
| 10° | 831.0 | 525.5 | 250.5 | 0.0 |
| 7.5° | 843.2 | 525.5 | 250.5 | 0.0 |
| 5° | 843.2 | 525.5 | 250.5 | 0.0 |
| 2.5° | 843.2 | 525.5 | 250.5 | 0.0 |
| 0° | 843.2 | 525.5 | 250.5 | 0.0 |

(END OF REPORT)