

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: McGRAW-EDISON

Report Number: P821245

Luminaire Tested: **TT-D4-735-24VDC-WQ-HSS**

Issue Date: 12/2/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P821245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-017-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-D4-735-24VDC-WQ-HSS  
Description: TOPTIER LED PARKING GARAGE LUMINAIRE  
3500K, 70 CRI LEDS AND WIDE DISTRIBUTION WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

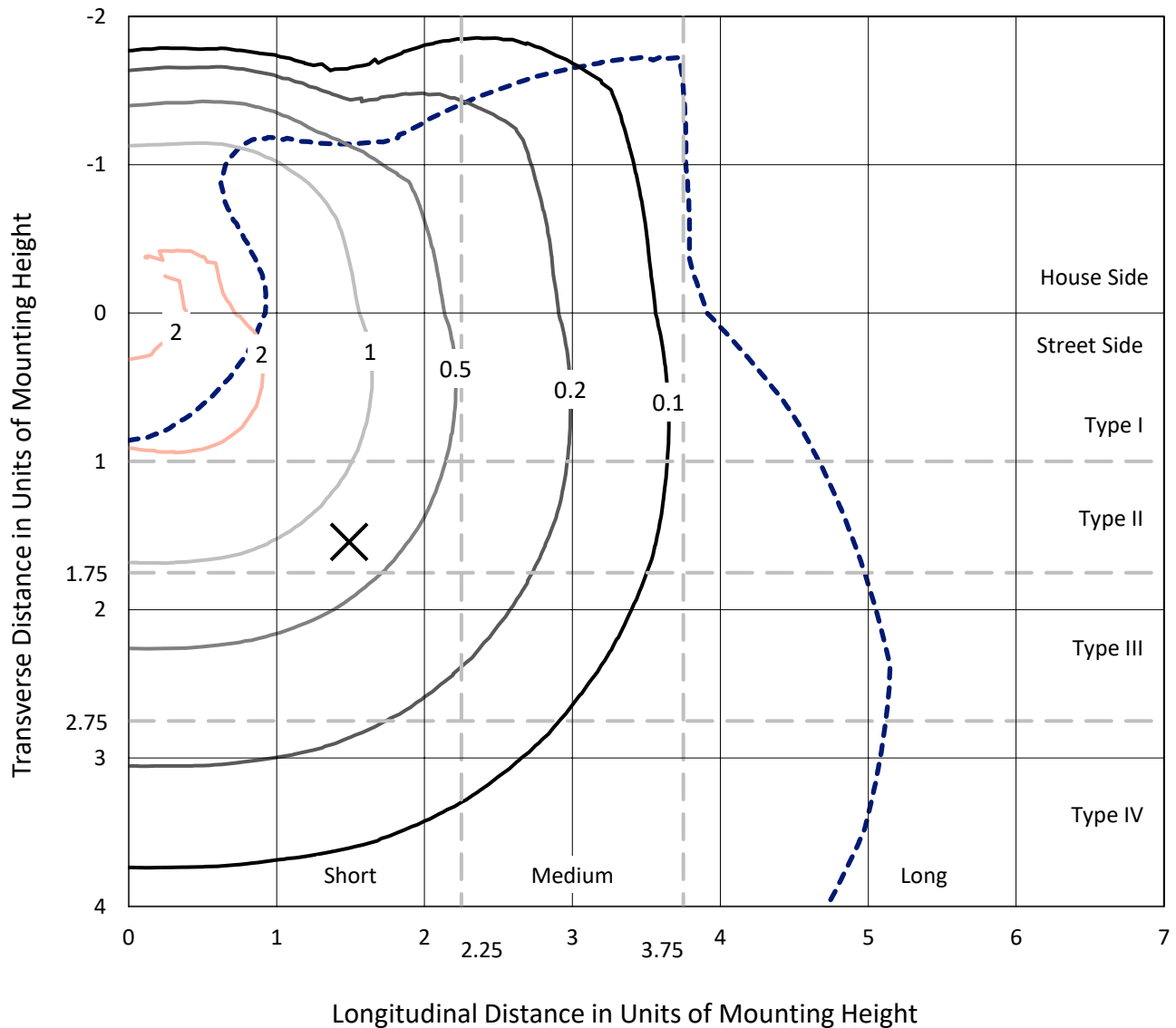
Lumens per Lamp: N/A  
Luminaire Lumens: 5762.9 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U2 - G3

Input Watts (W): 57  
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: 25 FT

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## Iso-Footcandle Lines of Horizontal Illumination

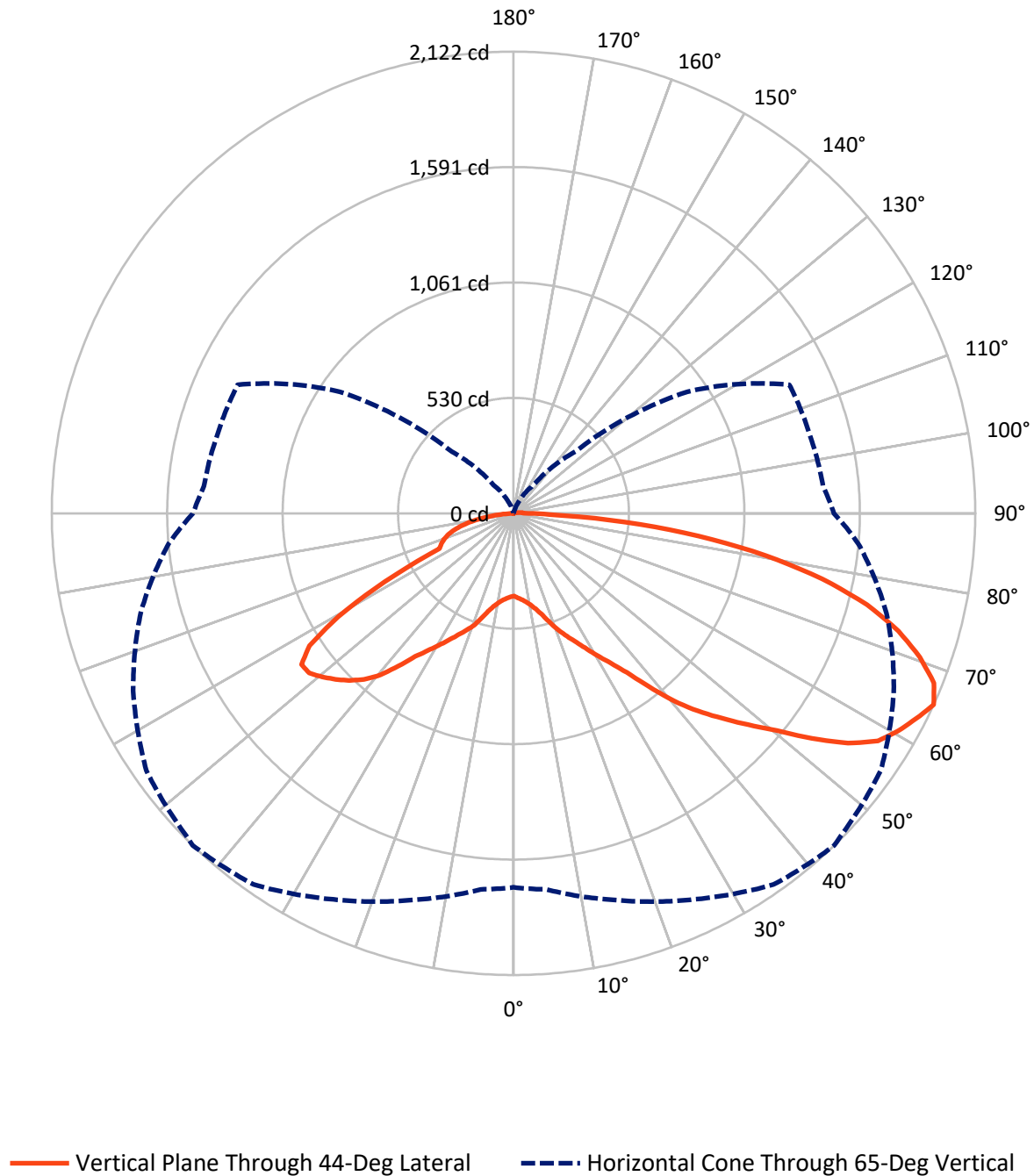
× Max cd  
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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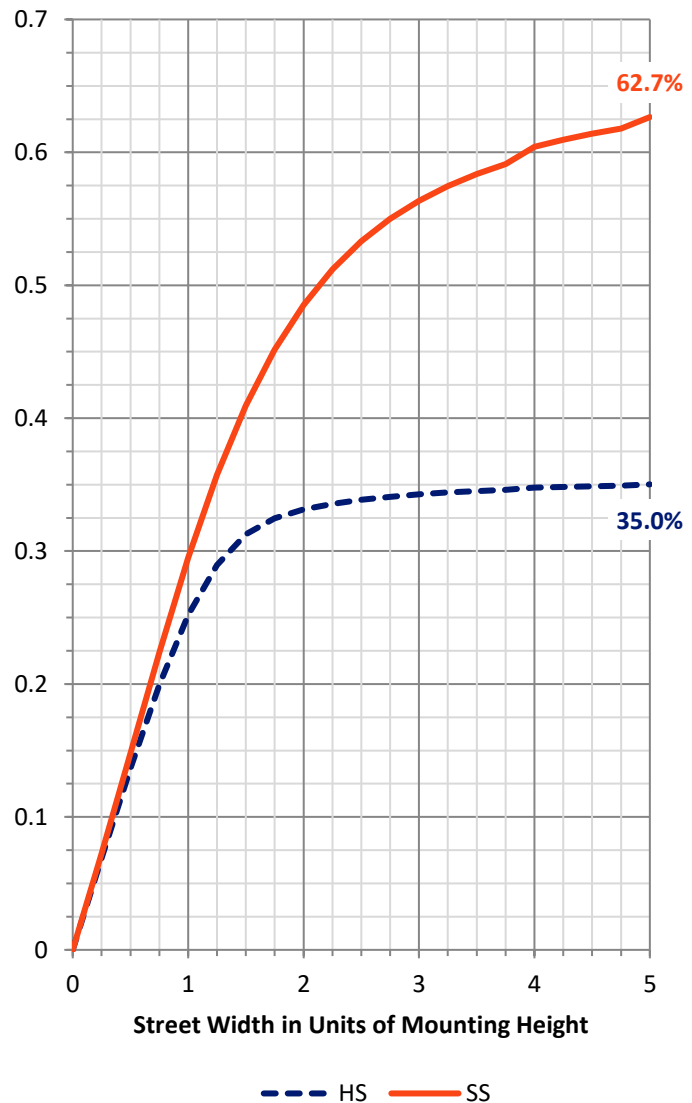
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2029.8   | 1.3    | 2031.2 |
|                    | % Fixture | 35.2     | 0.0    | 35.2   |
| <b>Street Side</b> | Lumens    | 3708.5   | 23.3   | 3731.8 |
|                    | % Fixture | 64.4     | 0.4    | 64.8   |
| <b>Total</b>       | Lumens    | 5738.3   | 24.6   | 5762.9 |
|                    | % Fixture | 99.6     | 0.4    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 38.5   | 0.7       |
| 10°-20°   | 136.9  | 2.4       |
| 20°-30°   | 293.3  | 5.1       |
| 30°-40°   | 531.2  | 9.2       |
| 40°-50°   | 886.4  | 15.4      |
| 50°-60°   | 1227.8 | 21.3      |
| 60°-70°   | 1272.4 | 22.1      |
| 70°-80°   | 1024.1 | 17.8      |
| 80°-90°   | 327.6  | 5.7       |
| 90°-100°  | 16.6   | 0.3       |
| 100°-110° | 5.3    | 0.1       |
| 110°-120° | 1.0    | 0.0       |
| 120°-130° | 0.6    | 0.0       |
| 130°-140° | 0.4    | 0.0       |
| 140°-150° | 0.3    | 0.0       |
| 150°-160° | 0.2    | 0.0       |
| 160°-170° | 0.1    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 5738.3 | 99.6      |
| 0°-180°   | 5762.9 | 100.0     |

**Coefficient of Utilization**



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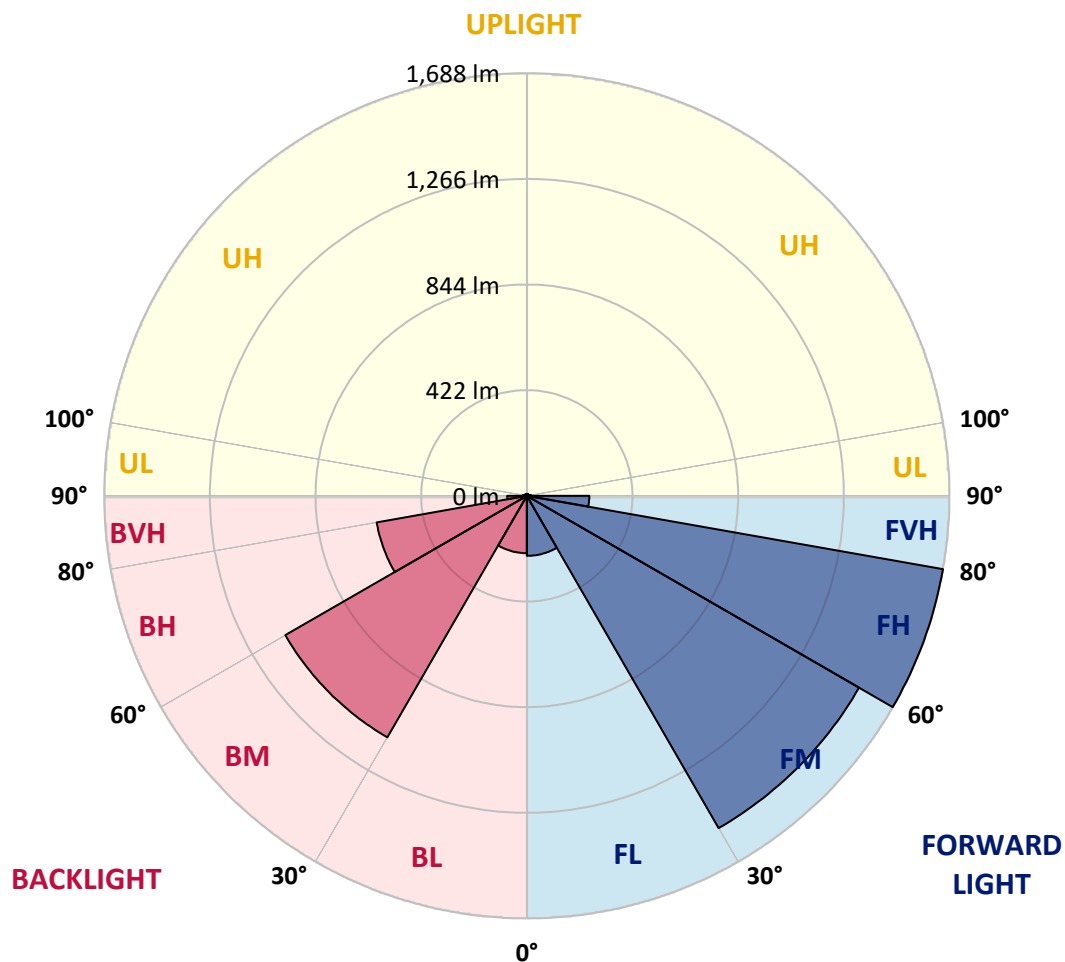
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 239.6  | 4.2       |                         |       |         |
| FM   | (30°-60°)   | 1532.1 | 26.6      |                         |       |         |
| FH   | (60°-80°)   | 1687.5 | 29.3      |                         |       | G1/1800 |
| FVH  | (80°-90°)   | 249.2  | 4.3       |                         |       | G3/500  |
| BL   | (0°-30°)    | 229.1  | 4.0       | B1/500                  |       |         |
| BM   | (30°-60°)   | 1113.4 | 19.3      | B2/2500                 |       |         |
| BH   | (60°-80°)   | 609.0  | 10.6      | B2/1000                 |       | G2/1000 |
| BVH  | (80°-90°)   | 78.3   | 1.4       |                         |       | G1/100  |
| UL   | (90°-100°)  | 16.6   | 0.3       |                         | U2/50 |         |
| UH   | (100°-180°) | 8.0    | 0.1       |                         | U1/10 |         |

**BUG Rating: B2-U2-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 44°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 380.3  | 380.3  | 380.3  | 380.3  | 380.3  | 380.3  | 380.3  | 380.3  | 380.3  | 380.3  | 380.3  |
| 2.5°   | 391.5  | 390.4  | 390.4  | 389.3  | 389.3  | 389.3  | 389.3  | 389.3  | 388.2  | 387.0  | 385.9  |
| 5°     | 401.7  | 401.7  | 400.5  | 400.5  | 399.4  | 398.3  | 399.4  | 398.3  | 397.2  | 396.0  | 394.9  |
| 7.5°   | 415.2  | 414.0  | 414.0  | 411.8  | 411.8  | 410.7  | 410.7  | 410.7  | 409.5  | 407.3  | 406.2  |
| 10°    | 434.3  | 432.0  | 432.0  | 429.8  | 428.7  | 427.5  | 427.5  | 425.3  | 425.3  | 424.2  | 423.0  |
| 12.5°  | 455.7  | 453.4  | 455.7  | 454.5  | 452.3  | 450.0  | 450.0  | 447.8  | 446.7  | 445.5  | 441.0  |
| 15°    | 483.8  | 480.4  | 482.7  | 482.7  | 481.5  | 480.4  | 480.4  | 475.9  | 473.7  | 471.4  | 466.9  |
| 17.5°  | 517.5  | 515.3  | 516.4  | 517.5  | 520.9  | 520.9  | 522.0  | 516.4  | 511.9  | 504.0  | 500.7  |
| 20°    | 560.3  | 559.2  | 562.5  | 562.5  | 565.9  | 565.9  | 567.0  | 561.4  | 553.5  | 547.9  | 541.2  |
| 22.5°  | 601.9  | 601.9  | 606.4  | 606.4  | 609.8  | 607.5  | 607.5  | 605.3  | 596.3  | 589.5  | 582.8  |
| 25°    | 644.7  | 643.6  | 648.1  | 651.4  | 655.9  | 650.3  | 652.6  | 649.2  | 640.2  | 631.2  | 622.2  |
| 27.5°  | 691.9  | 689.7  | 691.9  | 696.4  | 704.3  | 699.8  | 702.1  | 696.4  | 687.4  | 675.1  | 667.2  |
| 30°    | 743.7  | 740.3  | 743.7  | 750.4  | 756.1  | 758.3  | 757.2  | 749.3  | 741.4  | 723.4  | 717.8  |
| 32.5°  | 794.3  | 794.3  | 802.2  | 814.6  | 821.3  | 820.2  | 821.3  | 814.6  | 803.3  | 780.8  | 767.3  |
| 35°    | 856.2  | 860.7  | 870.8  | 888.8  | 903.4  | 897.8  | 897.8  | 895.6  | 876.4  | 849.4  | 831.4  |
| 37.5°  | 938.3  | 942.8  | 963.1  | 984.5  | 1011.5 | 1009.2 | 1010.3 | 1003.6 | 966.5  | 938.3  | 912.4  |
| 40°    | 1034.0 | 1038.5 | 1068.8 | 1099.2 | 1125.1 | 1133.0 | 1134.1 | 1119.5 | 1079.0 | 1038.5 | 998.0  |
| 42.5°  | 1121.7 | 1127.3 | 1158.8 | 1201.6 | 1229.7 | 1242.1 | 1244.3 | 1220.7 | 1178.0 | 1131.8 | 1081.2 |
| 45°    | 1209.5 | 1216.2 | 1252.2 | 1297.2 | 1337.7 | 1343.4 | 1344.5 | 1324.2 | 1277.0 | 1224.1 | 1158.8 |
| 47.5°  | 1299.5 | 1305.1 | 1342.2 | 1396.2 | 1440.1 | 1451.4 | 1452.5 | 1433.4 | 1376.0 | 1311.9 | 1235.3 |
| 50°    | 1381.6 | 1392.9 | 1443.5 | 1500.9 | 1559.4 | 1568.4 | 1569.5 | 1548.1 | 1480.6 | 1408.6 | 1307.4 |
| 52.5°  | 1478.4 | 1484.0 | 1538.0 | 1633.6 | 1683.1 | 1718.0 | 1719.1 | 1677.5 | 1605.5 | 1508.7 | 1378.2 |
| 55°    | 1590.9 | 1601.0 | 1656.1 | 1751.8 | 1840.6 | 1864.3 | 1871.0 | 1821.5 | 1725.9 | 1621.3 | 1468.2 |
| 57.5°  | 1656.1 | 1675.3 | 1756.3 | 1847.4 | 1958.8 | 1974.5 | 1977.9 | 1926.2 | 1820.4 | 1705.6 | 1535.7 |
| 60°    | 1691.0 | 1702.3 | 1787.8 | 1929.5 | 2016.2 | 2030.8 | 2029.7 | 1990.3 | 1884.5 | 1745.0 | 1567.2 |
| 62.5°  | 1730.4 | 1749.5 | 1821.5 | 1965.5 | 2040.9 | 2076.9 | 2071.3 | 2030.8 | 1922.8 | 1769.8 | 1597.6 |
| 65°    | 1719.1 | 1734.9 | 1840.6 | 1957.7 | 2082.5 | 2121.9 | 2114.0 | 2060.0 | 1928.4 | 1774.3 | 1589.8 |
| 67.5°  | 1674.1 | 1686.5 | 1791.1 | 1936.3 | 2055.5 | 2083.7 | 2097.2 | 2044.3 | 1896.9 | 1725.9 | 1540.2 |
| 70°    | 1581.9 | 1601.0 | 1702.3 | 1850.8 | 1959.9 | 1980.2 | 1982.4 | 1949.8 | 1817.0 | 1637.0 | 1458.1 |
| 72.5°  | 1454.7 | 1470.5 | 1580.7 | 1731.5 | 1826.0 | 1849.6 | 1851.9 | 1802.4 | 1702.3 | 1515.5 | 1340.0 |
| 75°    | 1302.9 | 1317.5 | 1403.0 | 1560.5 | 1653.9 | 1677.5 | 1675.3 | 1629.1 | 1523.4 | 1346.7 | 1183.6 |
| 77.5°  | 1115.0 | 1142.0 | 1217.3 | 1346.7 | 1437.9 | 1450.2 | 1452.5 | 1401.9 | 1316.4 | 1163.3 | 1004.7 |
| 80°    | 879.8  | 905.7  | 991.2  | 1088.0 | 1164.5 | 1174.6 | 1178.0 | 1135.2 | 1057.6 | 922.6  | 787.6  |
| 82.5°  | 625.5  | 648.1  | 715.6  | 794.3  | 858.4  | 858.4  | 860.7  | 825.8  | 766.2  | 650.3  | 544.5  |
| 85°    | 356.7  | 373.5  | 418.5  | 474.8  | 520.9  | 515.3  | 516.4  | 484.9  | 445.5  | 355.5  | 288.0  |
| 87.5°  | 117.0  | 124.9  | 135.0  | 156.4  | 177.8  | 164.3  | 171.0  | 141.8  | 128.3  | 95.6   | 74.3   |
| 90°    | 61.9   | 61.9   | 59.6   | 57.4   | 52.9   | 46.1   | 46.1   | 37.1   | 28.1   | 18.0   | 6.8    |
| 92.5°  | 56.3   | 56.3   | 54.0   | 51.8   | 47.3   | 41.6   | 41.6   | 33.8   | 24.8   | 15.8   | 5.6    |
| 95°    | 46.1   | 46.1   | 45.0   | 42.8   | 39.4   | 34.9   | 33.8   | 28.1   | 21.4   | 12.4   | 4.5    |
| 97.5°  | 36.0   | 36.0   | 34.9   | 33.8   | 30.4   | 27.0   | 27.0   | 21.4   | 15.8   | 10.1   | 3.4    |
| 100°   | 27.0   | 27.0   | 27.0   | 24.8   | 23.6   | 20.3   | 20.3   | 16.9   | 12.4   | 7.9    | 2.3    |
| 102.5° | 19.1   | 20.3   | 19.1   | 18.0   | 16.9   | 14.6   | 14.6   | 12.4   | 9.0    | 5.6    | 2.3    |
| 105°   | 13.5   | 13.5   | 12.4   | 12.4   | 11.3   | 10.1   | 10.1   | 7.9    | 5.6    | 3.4    | 1.1    |
| 107.5° | 7.9    | 7.9    | 7.9    | 7.9    | 6.8    | 6.8    | 6.8    | 5.6    | 3.4    | 2.3    | 1.1    |
| 110°   | 4.5    | 4.5    | 4.5    | 4.5    | 3.4    | 3.4    | 3.4    | 2.3    | 2.3    | 1.1    | 1.1    |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 44° | 45° | 55° | 65° | 75° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 1.1 | 1.1 | 1.1 | 1.1 |
| 115°   | 1.1 | 1.1 | 1.1 | 2.3 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 117.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 120°   | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 122.5° | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 125°   | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 127.5° | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 130°   | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 132.5° | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 140°   | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 142.5° | 1.1 | 1.1 | 1.1 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 145°   | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 |
| 147.5° | 1.1 | 1.1 | 1.1 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 150°   | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 |
| 160°   | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 |
| 162.5° | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 |
| 165°   | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 167.5° | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 170°   | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 |
| 172.5° | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 175°   | 1.1 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 177.5° | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 |
| 180°   | 0.0 | 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):**

|        | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°  | 165°  | 175°  | 180°  |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°     | 380.3  | 380.3  | 380.3  | 380.3  | 380.3  | 380.3  | 380.3  | 380.3 | 380.3 | 380.3 | 380.3 |
| 2.5°   | 385.9  | 385.9  | 384.8  | 383.7  | 383.7  | 383.7  | 382.5  | 382.5 | 382.5 | 381.4 | 381.4 |
| 5°     | 394.9  | 393.8  | 393.8  | 392.7  | 392.7  | 391.5  | 391.5  | 390.4 | 389.3 | 389.3 | 388.2 |
| 7.5°   | 407.3  | 406.2  | 403.9  | 405.0  | 402.8  | 401.7  | 400.5  | 400.5 | 400.5 | 399.4 | 399.4 |
| 10°    | 421.9  | 421.9  | 419.7  | 419.7  | 417.4  | 416.3  | 415.2  | 415.2 | 416.3 | 416.3 | 415.2 |
| 12.5°  | 441.0  | 439.9  | 439.9  | 438.8  | 437.7  | 436.5  | 437.7  | 437.7 | 436.5 | 435.4 | 434.3 |
| 15°    | 464.7  | 464.7  | 464.7  | 465.8  | 464.7  | 464.7  | 464.7  | 463.5 | 461.3 | 459.0 | 459.0 |
| 17.5°  | 500.7  | 499.5  | 497.3  | 498.4  | 500.7  | 504.0  | 500.7  | 497.3 | 493.9 | 493.9 | 492.8 |
| 20°    | 537.8  | 538.9  | 538.9  | 540.0  | 543.4  | 546.8  | 542.3  | 540.0 | 537.8 | 535.5 | 533.3 |
| 22.5°  | 578.3  | 579.4  | 579.4  | 578.3  | 580.5  | 579.4  | 577.2  | 574.9 | 572.7 | 569.3 | 567.0 |
| 25°    | 617.7  | 618.8  | 617.7  | 616.5  | 617.7  | 614.3  | 610.9  | 607.5 | 601.9 | 596.3 | 596.3 |
| 27.5°  | 661.6  | 660.4  | 655.9  | 657.1  | 654.8  | 652.6  | 645.8  | 637.9 | 630.0 | 624.4 | 624.4 |
| 30°    | 707.7  | 707.7  | 698.7  | 703.2  | 698.7  | 697.6  | 682.9  | 672.8 | 661.6 | 653.7 | 652.6 |
| 32.5°  | 758.3  | 756.1  | 749.3  | 753.8  | 749.3  | 744.8  | 726.8  | 713.3 | 694.2 | 682.9 | 681.8 |
| 35°    | 819.1  | 813.4  | 807.8  | 812.3  | 812.3  | 799.9  | 781.9  | 757.2 | 730.2 | 716.7 | 715.6 |
| 37.5°  | 893.3  | 889.9  | 883.2  | 888.8  | 893.3  | 880.9  | 853.9  | 817.9 | 779.7 | 759.4 | 758.3 |
| 40°    | 975.5  | 971.0  | 967.6  | 975.5  | 978.8  | 966.5  | 930.4  | 879.8 | 828.1 | 798.8 | 794.3 |
| 42.5°  | 1053.1 | 1043.0 | 1037.3 | 1048.6 | 1045.2 | 1031.7 | 982.2  | 923.7 | 852.8 | 819.1 | 813.4 |
| 45°    | 1122.8 | 1111.6 | 1103.7 | 1113.8 | 1109.3 | 1082.3 | 1027.2 | 948.4 | 862.9 | 821.3 | 814.6 |
| 47.5°  | 1191.5 | 1174.6 | 1162.2 | 1175.7 | 1166.7 | 1125.1 | 1057.6 | 960.8 | 851.7 | 802.2 | 790.9 |
| 50°    | 1250.0 | 1229.7 | 1221.8 | 1237.6 | 1224.1 | 1165.6 | 1079.0 | 955.2 | 823.6 | 751.6 | 733.6 |
| 52.5°  | 1319.7 | 1289.4 | 1281.5 | 1311.9 | 1281.5 | 1203.8 | 1083.5 | 941.7 | 759.4 | 672.8 | 655.9 |
| 55°    | 1390.6 | 1356.9 | 1344.5 | 1372.6 | 1326.5 | 1211.7 | 1061.0 | 864.1 | 662.7 | 570.4 | 545.7 |
| 57.5°  | 1427.7 | 1396.2 | 1385.0 | 1405.2 | 1319.7 | 1135.2 | 960.8  | 720.1 | 517.5 | 414.0 | 387.0 |
| 60°    | 1461.5 | 1406.4 | 1391.7 | 1418.7 | 1250.0 | 957.5  | 743.7  | 516.4 | 312.8 | 235.1 | 214.9 |
| 62.5°  | 1485.1 | 1432.2 | 1401.9 | 1414.2 | 1121.7 | 696.4  | 427.5  | 248.6 | 118.1 | 82.1  | 81.0  |
| 65°    | 1472.7 | 1427.7 | 1407.5 | 1398.5 | 974.3  | 400.5  | 157.5  | 63.0  | 3.4   | 3.4   | 2.3   |
| 67.5°  | 1434.5 | 1385.0 | 1379.4 | 1387.2 | 964.2  | 384.8  | 146.3  | 57.4  | 0.0   | 0.0   | 0.0   |
| 70°    | 1350.1 | 1315.2 | 1315.2 | 1342.2 | 920.3  | 364.5  | 136.1  | 52.9  | 0.0   | 0.0   | 0.0   |
| 72.5°  | 1236.5 | 1209.5 | 1225.2 | 1265.7 | 855.1  | 336.4  | 122.6  | 47.3  | 0.0   | 0.0   | 0.0   |
| 75°    | 1100.3 | 1072.2 | 1092.5 | 1137.5 | 774.1  | 300.4  | 106.9  | 40.5  | 0.0   | 0.0   | 0.0   |
| 77.5°  | 927.1  | 907.9  | 939.4  | 981.1  | 666.1  | 253.1  | 87.8   | 32.6  | 0.0   | 0.0   | 0.0   |
| 80°    | 722.3  | 712.2  | 753.8  | 790.9  | 537.8  | 199.1  | 66.4   | 23.6  | 0.0   | 0.0   | 0.0   |
| 82.5°  | 498.4  | 493.9  | 534.4  | 572.7  | 384.8  | 139.5  | 45.0   | 15.8  | 0.0   | 0.0   | 0.0   |
| 85°    | 261.0  | 261.0  | 292.5  | 327.4  | 214.9  | 75.4   | 22.5   | 6.8   | 0.0   | 0.0   | 0.0   |
| 87.5°  | 57.4   | 55.1   | 59.6   | 76.5   | 42.8   | 14.6   | 3.4    | 1.1   | 0.0   | 0.0   | 0.0   |
| 90°    | 1.1    | 1.1    | 1.1    | 1.1    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 1.1    | 1.1    | 1.1    | 1.1    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 1.1    | 1.1    | 1.1    | 1.1    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |
| 100°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |
| 102.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |
| 105°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |
| 107.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |
| 110°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P821245  
 CATALOG NUMBER: TT-D4-735-24VDC-WQ-HSS

**CANDELA DISTRIBUTION (continued):**

|        | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 1.1 | 1.1 | 1.1  | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 1.1 | 1.1 | 1.1  | 1.1  | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 1.1 | 1.1 | 1.1  | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 1.1 | 1.1 | 1.1  | 1.1  | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 1.1 | 1.1 | 1.1  | 1.1  | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 1.1 | 1.1 | 1.1  | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 1.1 | 1.1 | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 1.1 | 1.1 | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 1.1 | 1.1 | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 1.1 | 1.1 | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 1.1 | 1.1 | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 1.1 | 1.1 | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 1.1 | 1.1 | 1.1  | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 1.1 | 1.1 | 1.1  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 1.1 | 1.1 | 1.1  | 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  |

(END OF REPORT)