

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: P821292

Luminaire Tested: **TT-D3-740-24VDC-CQ-HSS**

Issue Date: 12/2/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P821292  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-017-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-D3-740-24VDC-CQ-HSS  
Description: TOPTIER LED PARKING GARAGE LUMINAIRE  
4000K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

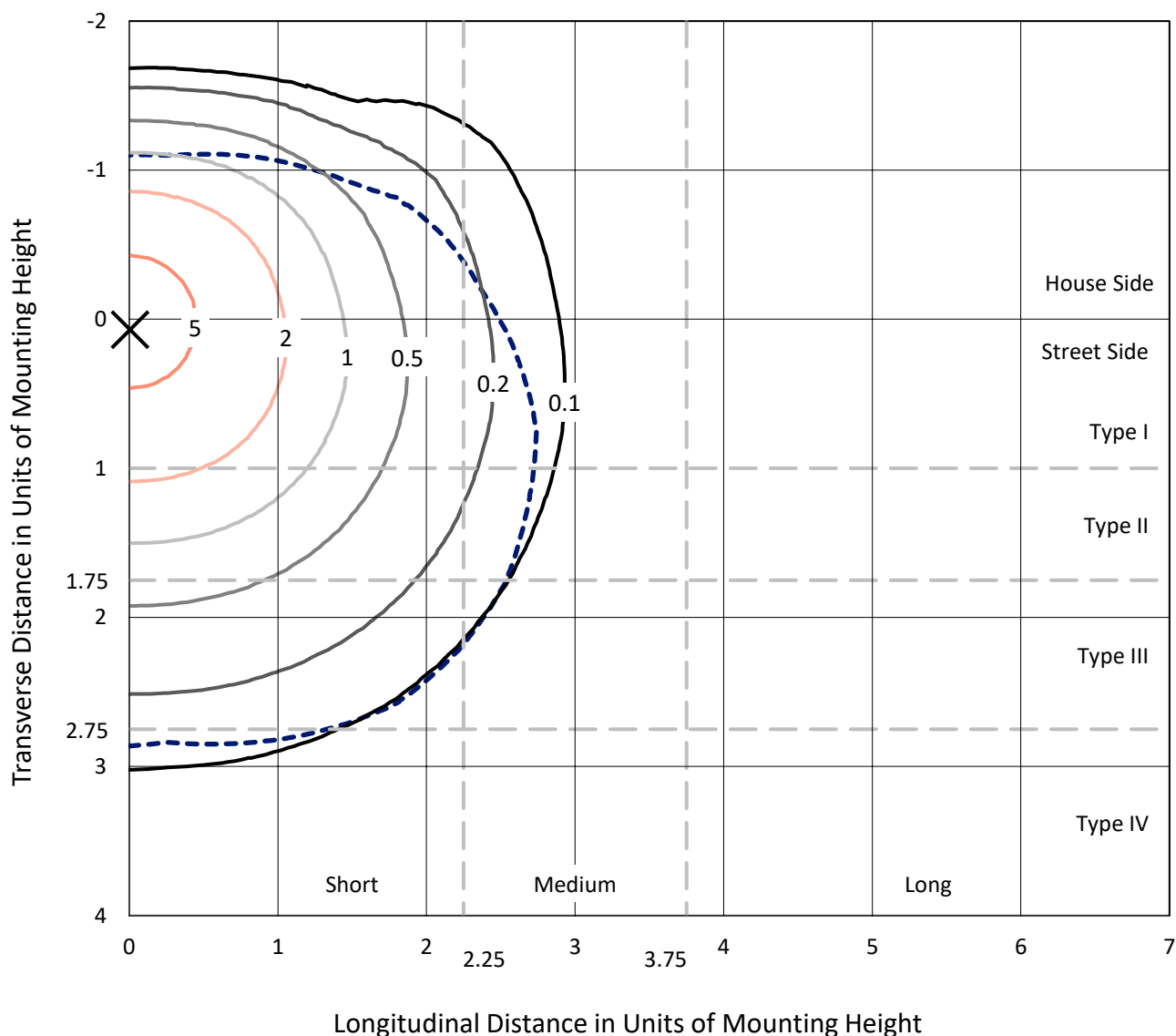
Lumens per Lamp: N/A  
Luminaire Lumens: 5318 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U2 - G1

Input Watts (W): 46  
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

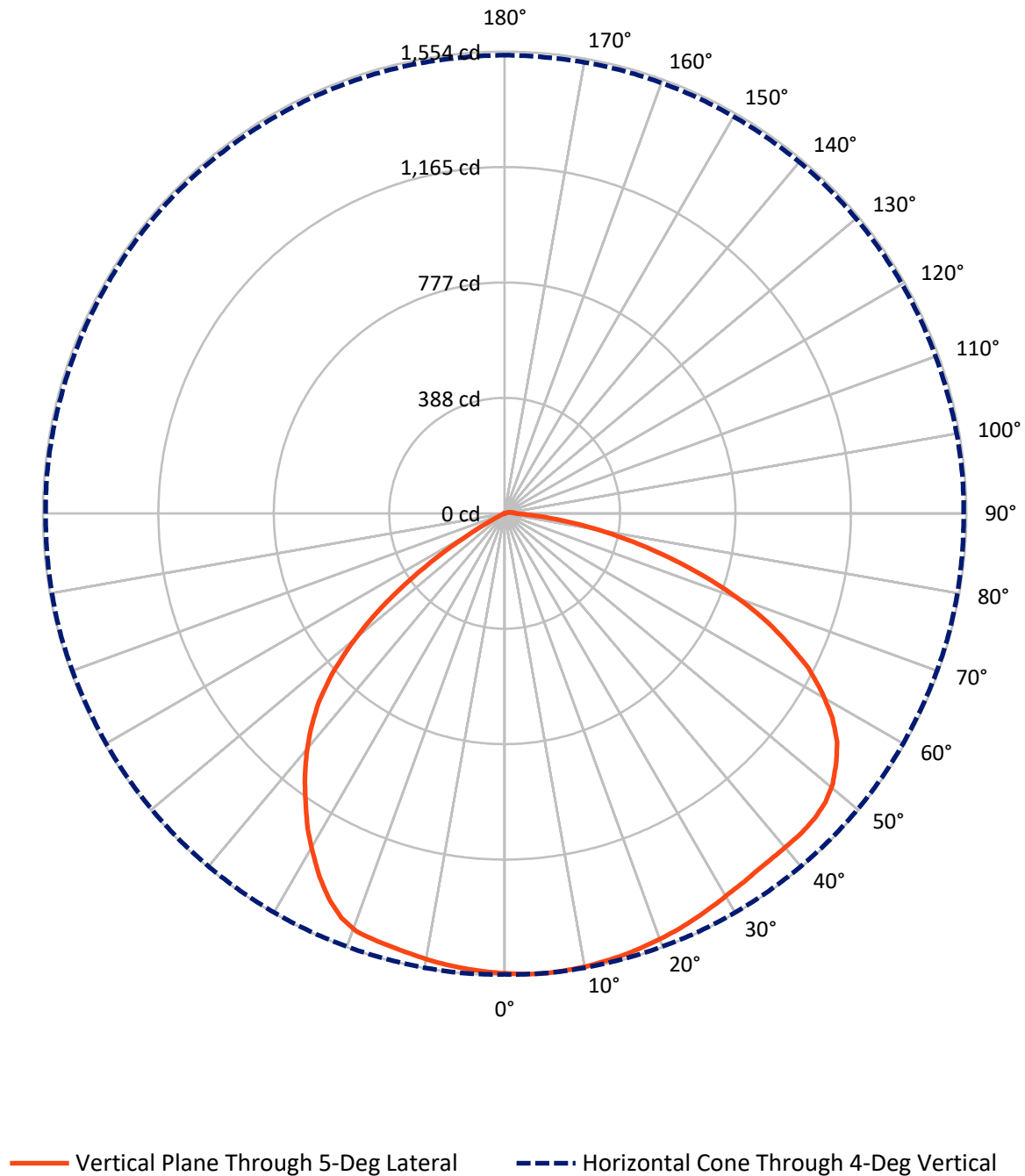
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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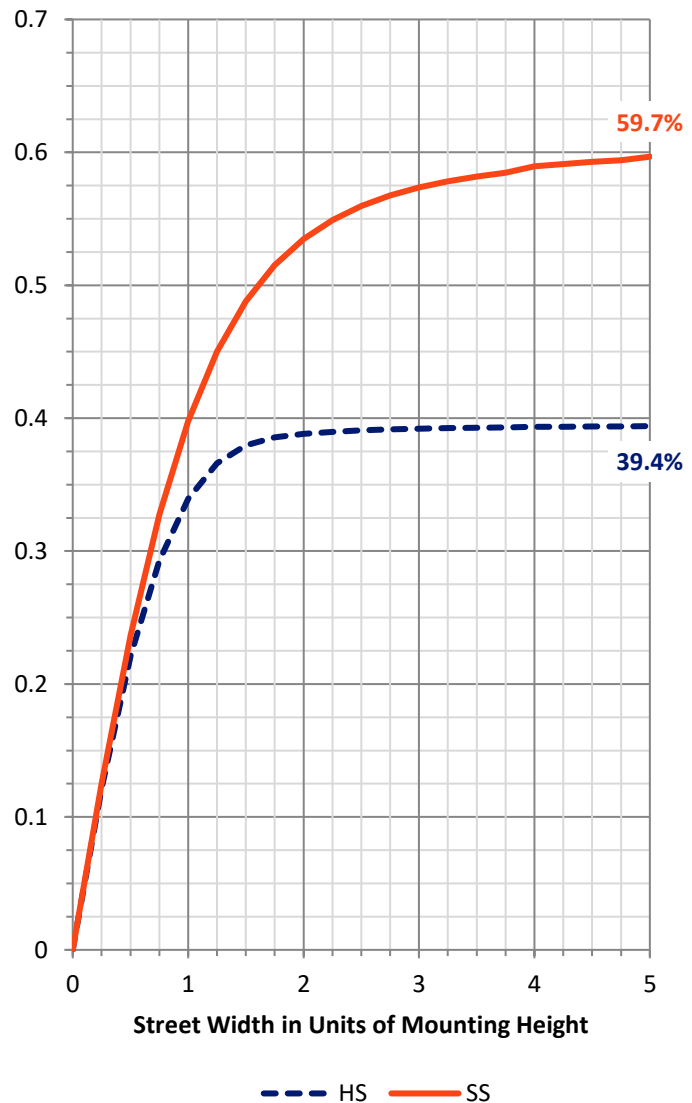
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2107.5   | 2.7    | 2110.2 |
|                    | % Fixture | 39.6     | 0.1    | 39.7   |
| <b>Street Side</b> | Lumens    | 3193.0   | 14.8   | 3207.8 |
|                    | % Fixture | 60.0     | 0.3    | 60.3   |
| <b>Total</b>       | Lumens    | 5300.4   | 17.5   | 5318.0 |
|                    | % Fixture | 99.7     | 0.3    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 147.2  | 2.8       |
| 10°-20°   | 431.1  | 8.1       |
| 20°-30°   | 679.2  | 12.8      |
| 30°-40°   | 864.4  | 16.3      |
| 40°-50°   | 998.4  | 18.8      |
| 50°-60°   | 977.6  | 18.4      |
| 60°-70°   | 728.1  | 13.7      |
| 70°-80°   | 394.4  | 7.4       |
| 80°-90°   | 79.9   | 1.5       |
| 90°-100°  | 10.1   | 0.2       |
| 100°-110° | 3.9    | 0.1       |
| 110°-120° | 1.1    | 0.0       |
| 120°-130° | 0.8    | 0.0       |
| 130°-140° | 0.6    | 0.0       |
| 140°-150° | 0.4    | 0.0       |
| 150°-160° | 0.3    | 0.0       |
| 160°-170° | 0.2    | 0.0       |
| 170°-180° | 0.1    | 0.0       |
| 0°-90°    | 5300.4 | 99.7      |
| 0°-180°   | 5318.0 | 100.0     |

**Coefficient of Utilization**



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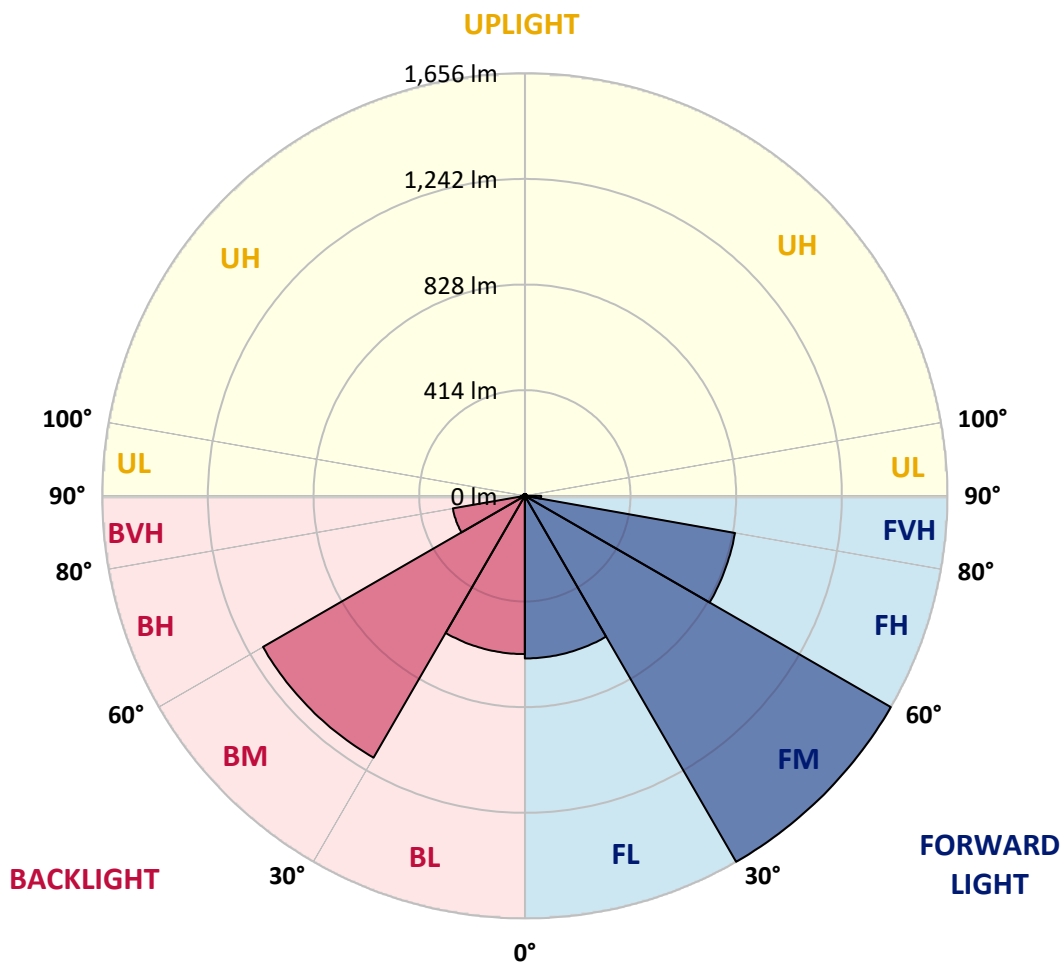
CATALOG NUMBER: TT-D3-740-24VDC-CQ-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 637.2  | 12.0      |                         |       |         |
| FM   | (30°-60°)   | 1655.8 | 31.1      |                         |       |         |
| FH   | (60°-80°)   | 836.1  | 15.7      |                         |       | G1/1800 |
| FVH  | (80°-90°)   | 63.8   | 1.2       |                         |       | G1/100  |
| BL   | (0°-30°)    | 620.3  | 11.7      | B2/1000                 |       |         |
| BM   | (30°-60°)   | 1184.7 | 22.3      | B2/2500                 |       |         |
| BH   | (60°-80°)   | 286.4  | 5.4       | B1/500                  |       | G1/500  |
| BVH  | (80°-90°)   | 16.1   | 0.3       |                         |       | G1/100  |
| UL   | (90°-100°)  | 10.1   | 0.2       |                         | U2/50 |         |
| UH   | (100°-180°) | 7.4    | 0.1       |                         | U1/10 |         |

**BUG Rating: B2-U2-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 |
| 2.5°   | 1550.9 | 1552.9 | 1551.9 | 1551.9 | 1549.9 | 1550.9 | 1549.9 | 1549.9 | 1548.9 | 1547.9 | 1547.9 |
| 4°     | 1551.9 | 1553.9 | 1551.9 | 1551.9 | 1550.9 | 1550.9 | 1549.9 | 1547.9 | 1548.9 | 1545.9 | 1544.9 |
| 5°     | 1552.9 | 1553.9 | 1552.9 | 1552.9 | 1550.9 | 1549.9 | 1547.9 | 1547.9 | 1546.9 | 1544.9 | 1544.9 |
| 7.5°   | 1550.9 | 1551.9 | 1551.9 | 1550.9 | 1548.9 | 1546.9 | 1545.9 | 1544.9 | 1543.9 | 1540.9 | 1540.9 |
| 10°    | 1546.9 | 1548.9 | 1546.9 | 1546.9 | 1545.9 | 1543.9 | 1540.9 | 1539.9 | 1536.9 | 1534.9 | 1533.9 |
| 12.5°  | 1542.9 | 1543.9 | 1542.9 | 1542.9 | 1540.9 | 1537.9 | 1536.9 | 1534.9 | 1530.9 | 1527.9 | 1527.9 |
| 15°    | 1536.9 | 1538.9 | 1537.9 | 1536.9 | 1535.9 | 1532.9 | 1529.9 | 1526.9 | 1523.9 | 1520.9 | 1520.9 |
| 17.5°  | 1529.9 | 1530.9 | 1531.9 | 1530.9 | 1528.9 | 1526.9 | 1523.9 | 1519.9 | 1516.9 | 1513.9 | 1512.9 |
| 20°    | 1521.9 | 1523.9 | 1523.9 | 1523.9 | 1521.9 | 1519.9 | 1515.9 | 1511.9 | 1509.9 | 1505.9 | 1504.9 |
| 22.5°  | 1513.9 | 1515.9 | 1514.9 | 1515.9 | 1514.9 | 1511.9 | 1507.9 | 1503.9 | 1499.9 | 1496.9 | 1494.9 |
| 25°    | 1505.9 | 1505.9 | 1505.9 | 1505.9 | 1505.9 | 1501.9 | 1497.9 | 1492.9 | 1488.9 | 1483.9 | 1483.9 |
| 27.5°  | 1495.9 | 1495.9 | 1496.9 | 1496.9 | 1495.9 | 1492.9 | 1487.9 | 1481.9 | 1475.9 | 1470.9 | 1468.9 |
| 30°    | 1486.9 | 1485.9 | 1487.9 | 1489.9 | 1488.9 | 1485.9 | 1479.9 | 1472.9 | 1463.9 | 1456.9 | 1450.9 |
| 32.5°  | 1475.9 | 1478.9 | 1480.9 | 1484.9 | 1485.9 | 1481.9 | 1474.9 | 1465.9 | 1456.9 | 1443.9 | 1432.9 |
| 35°    | 1471.9 | 1471.9 | 1476.9 | 1482.9 | 1484.9 | 1482.9 | 1472.9 | 1462.9 | 1449.9 | 1430.9 | 1417.9 |
| 37.5°  | 1467.9 | 1468.9 | 1476.9 | 1485.9 | 1488.9 | 1488.9 | 1477.9 | 1464.9 | 1446.9 | 1419.9 | 1403.9 |
| 40°    | 1465.9 | 1467.9 | 1477.9 | 1490.9 | 1498.9 | 1497.9 | 1484.9 | 1468.9 | 1446.9 | 1411.9 | 1391.9 |
| 42.5°  | 1463.9 | 1467.9 | 1478.9 | 1496.9 | 1508.9 | 1507.9 | 1493.9 | 1472.9 | 1444.9 | 1401.9 | 1378.9 |
| 45°    | 1460.9 | 1463.9 | 1478.9 | 1501.9 | 1517.9 | 1520.9 | 1504.9 | 1477.9 | 1444.9 | 1392.9 | 1362.9 |
| 47.5°  | 1451.9 | 1452.9 | 1472.9 | 1499.9 | 1523.9 | 1527.9 | 1511.9 | 1479.9 | 1440.9 | 1377.9 | 1342.9 |
| 50°    | 1427.9 | 1430.9 | 1453.9 | 1489.9 | 1517.9 | 1523.9 | 1509.9 | 1474.9 | 1430.9 | 1352.9 | 1310.9 |
| 52.5°  | 1396.9 | 1396.9 | 1424.9 | 1464.9 | 1498.9 | 1508.9 | 1495.9 | 1456.9 | 1405.9 | 1315.9 | 1267.9 |
| 55°    | 1350.9 | 1357.9 | 1386.9 | 1428.9 | 1465.9 | 1479.9 | 1461.9 | 1423.9 | 1364.9 | 1268.9 | 1215.9 |
| 57.5°  | 1298.9 | 1300.9 | 1330.9 | 1380.9 | 1418.9 | 1427.9 | 1412.9 | 1367.9 | 1310.9 | 1212.9 | 1149.9 |
| 60°    | 1223.9 | 1227.9 | 1265.9 | 1309.9 | 1350.9 | 1362.9 | 1343.9 | 1298.9 | 1238.9 | 1140.9 | 1076.9 |
| 62.5°  | 1140.9 | 1146.9 | 1180.9 | 1225.9 | 1264.9 | 1283.9 | 1260.9 | 1213.9 | 1154.9 | 1054.9 | 998.9  |
| 65°    | 1040.9 | 1042.9 | 1079.9 | 1130.9 | 1169.9 | 1176.9 | 1156.9 | 1110.9 | 1051.9 | 955.9  | 905.9  |
| 67.5°  | 925.9  | 935.9  | 971.9  | 1009.9 | 1043.9 | 1051.9 | 1037.9 | 984.9  | 937.9  | 852.9  | 804.0  |
| 70°    | 815.0  | 810.0  | 839.9  | 877.9  | 908.9  | 915.9  | 899.9  | 850.9  | 807.0  | 727.0  | 689.0  |
| 72.5°  | 681.0  | 677.0  | 709.0  | 738.0  | 768.0  | 764.0  | 748.0  | 709.0  | 671.0  | 603.0  | 568.0  |
| 75°    | 546.0  | 542.0  | 567.0  | 592.0  | 607.0  | 609.0  | 598.0  | 569.0  | 528.0  | 475.0  | 448.0  |
| 77.5°  | 414.0  | 418.0  | 429.0  | 450.0  | 464.0  | 470.0  | 451.0  | 422.0  | 396.0  | 355.0  | 335.0  |
| 80°    | 295.0  | 296.0  | 300.0  | 315.0  | 325.0  | 325.0  | 316.0  | 293.0  | 264.0  | 235.0  | 225.0  |
| 82.5°  | 186.0  | 190.0  | 190.0  | 205.0  | 205.0  | 197.0  | 193.0  | 178.0  | 163.0  | 140.0  | 126.0  |
| 85°    | 102.0  | 100.0  | 106.0  | 107.0  | 106.0  | 100.0  | 94.0   | 85.0   | 75.0   | 59.0   | 53.0   |
| 87.5°  | 45.0   | 44.0   | 44.0   | 44.0   | 43.0   | 39.0   | 33.0   | 26.0   | 18.0   | 11.0   | 8.0    |
| 90°    | 35.0   | 35.0   | 34.0   | 32.0   | 29.0   | 26.0   | 21.0   | 16.0   | 10.0   | 4.0    | 2.0    |
| 92.5°  | 32.0   | 32.0   | 31.0   | 30.0   | 27.0   | 24.0   | 19.0   | 14.0   | 9.0    | 4.0    | 2.0    |
| 95°    | 28.0   | 27.0   | 27.0   | 25.0   | 23.0   | 20.0   | 17.0   | 12.0   | 8.0    | 3.0    | 2.0    |
| 97.5°  | 23.0   | 22.0   | 22.0   | 21.0   | 19.0   | 16.0   | 14.0   | 10.0   | 7.0    | 3.0    | 2.0    |
| 100°   | 17.0   | 18.0   | 17.0   | 16.0   | 15.0   | 13.0   | 11.0   | 8.0    | 5.0    | 2.0    | 2.0    |
| 102.5° | 13.0   | 13.0   | 12.0   | 12.0   | 11.0   | 10.0   | 8.0    | 6.0    | 4.0    | 2.0    | 1.0    |
| 105°   | 9.0    | 9.0    | 9.0    | 8.0    | 8.0    | 7.0    | 6.0    | 4.0    | 3.0    | 2.0    | 1.0    |
| 107.5° | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    | 4.0    | 3.0    | 2.0    | 1.0    | 1.0    |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| 112.5° | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 115°   | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 117.5° | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 120°   | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 145°   | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 147.5° | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 150°   | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 180°   | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |



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**CANDELA DISTRIBUTION (continued):**

|        | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 | 1548.9 |
| 2.5°   | 1546.9 | 1543.9 | 1545.9 | 1544.9 | 1545.9 | 1543.9 | 1543.9 | 1543.9 | 1544.9 | 1542.9 |
| 4°     | 1545.9 | 1543.9 | 1543.9 | 1543.9 | 1543.9 | 1541.9 | 1541.9 | 1541.9 | 1540.9 | 1541.9 |
| 5°     | 1543.9 | 1542.9 | 1541.9 | 1540.9 | 1541.9 | 1539.9 | 1538.9 | 1538.9 | 1538.9 | 1539.9 |
| 7.5°   | 1539.9 | 1536.9 | 1536.9 | 1533.9 | 1534.9 | 1533.9 | 1532.9 | 1533.9 | 1532.9 | 1532.9 |
| 10°    | 1532.9 | 1530.9 | 1529.9 | 1527.9 | 1527.9 | 1525.9 | 1524.9 | 1524.9 | 1524.9 | 1523.9 |
| 12.5°  | 1525.9 | 1523.9 | 1522.9 | 1520.9 | 1519.9 | 1517.9 | 1516.9 | 1517.9 | 1515.9 | 1515.9 |
| 15°    | 1517.9 | 1515.9 | 1514.9 | 1514.9 | 1512.9 | 1510.9 | 1509.9 | 1507.9 | 1507.9 | 1507.9 |
| 17.5°  | 1510.9 | 1508.9 | 1509.9 | 1507.9 | 1506.9 | 1504.9 | 1504.9 | 1500.9 | 1500.9 | 1499.9 |
| 20°    | 1503.9 | 1501.9 | 1501.9 | 1500.9 | 1500.9 | 1498.9 | 1495.9 | 1493.9 | 1492.9 | 1492.9 |
| 22.5°  | 1494.9 | 1491.9 | 1486.9 | 1479.9 | 1475.9 | 1472.9 | 1471.9 | 1468.9 | 1467.9 | 1465.9 |
| 25°    | 1480.9 | 1472.9 | 1461.9 | 1449.9 | 1437.9 | 1431.9 | 1429.9 | 1425.9 | 1425.9 | 1425.9 |
| 27.5°  | 1463.9 | 1448.9 | 1433.9 | 1415.9 | 1397.9 | 1385.9 | 1377.9 | 1373.9 | 1371.9 | 1371.9 |
| 30°    | 1441.9 | 1422.9 | 1401.9 | 1378.9 | 1358.9 | 1336.9 | 1322.9 | 1314.9 | 1310.9 | 1311.9 |
| 32.5°  | 1421.9 | 1397.9 | 1373.9 | 1344.9 | 1317.9 | 1291.9 | 1267.9 | 1255.9 | 1250.9 | 1248.9 |
| 35°    | 1401.9 | 1374.9 | 1345.9 | 1314.9 | 1279.9 | 1241.9 | 1209.9 | 1191.9 | 1181.9 | 1182.9 |
| 37.5°  | 1386.9 | 1354.9 | 1322.9 | 1284.9 | 1244.9 | 1198.9 | 1157.9 | 1128.9 | 1116.9 | 1118.9 |
| 40°    | 1370.9 | 1334.9 | 1299.9 | 1255.9 | 1208.9 | 1153.9 | 1100.9 | 1061.9 | 1047.9 | 1044.9 |
| 42.5°  | 1355.9 | 1313.9 | 1273.9 | 1226.9 | 1167.9 | 1105.9 | 1040.9 | 994.9  | 973.9  | 970.9  |
| 45°    | 1336.9 | 1289.9 | 1246.9 | 1192.9 | 1127.9 | 1050.9 | 974.9  | 914.9  | 892.9  | 883.9  |
| 47.5°  | 1311.9 | 1259.9 | 1211.9 | 1149.9 | 1078.9 | 991.9  | 896.9  | 822.9  | 795.0  | 788.0  |
| 50°    | 1274.9 | 1214.9 | 1165.9 | 1095.9 | 1009.9 | 913.9  | 808.0  | 717.0  | 680.0  | 675.0  |
| 52.5°  | 1225.9 | 1164.9 | 1109.9 | 1029.9 | 924.9  | 812.0  | 692.0  | 598.0  | 555.0  | 552.0  |
| 55°    | 1166.9 | 1100.9 | 1040.9 | 950.9  | 827.9  | 697.0  | 572.0  | 453.0  | 411.0  | 406.0  |
| 57.5°  | 1097.9 | 1029.9 | 964.9  | 853.9  | 712.0  | 566.0  | 421.0  | 307.0  | 267.0  | 257.0  |
| 60°    | 1021.9 | 951.9  | 878.9  | 744.0  | 556.0  | 401.0  | 255.0  | 163.0  | 133.0  | 123.0  |
| 62.5°  | 947.9  | 871.9  | 795.0  | 613.0  | 381.0  | 229.0  | 116.0  | 47.0   | 30.0   | 29.0   |
| 65°    | 860.9  | 789.0  | 710.0  | 494.0  | 241.0  | 103.0  | 34.0   | 1.0    | 0.0    | 0.0    |
| 67.5°  | 760.0  | 699.0  | 629.0  | 442.0  | 213.0  | 90.0   | 29.0   | 1.0    | 0.0    | 0.0    |
| 70°    | 652.0  | 604.0  | 542.0  | 380.0  | 183.0  | 76.0   | 25.0   | 0.0    | 0.0    | 0.0    |
| 72.5°  | 538.0  | 497.0  | 451.0  | 316.0  | 152.0  | 63.0   | 20.0   | 0.0    | 0.0    | 0.0    |
| 75°    | 422.0  | 396.0  | 355.0  | 250.0  | 118.0  | 48.0   | 15.0   | 0.0    | 0.0    | 0.0    |
| 77.5°  | 313.0  | 292.0  | 262.0  | 184.0  | 89.0   | 35.0   | 11.0   | 0.0    | 0.0    | 0.0    |
| 80°    | 211.0  | 195.0  | 178.0  | 125.0  | 60.0   | 23.0   | 7.0    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 123.0  | 111.0  | 100.0  | 71.0   | 33.0   | 13.0   | 3.0    | 0.0    | 0.0    | 0.0    |
| 85°    | 50.0   | 46.0   | 44.0   | 30.0   | 13.0   | 4.0    | 1.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 6.0    | 5.0    | 5.0    | 3.0    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°    | 1.0    | 1.0    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 0.0    |
| 100°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 102.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 105°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 107.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |



REPORT NUMBER: P821292  
 CATALOG NUMBER: TT-D3-740-24VDC-CQ-HSS

**CANDELA DISTRIBUTION (continued):**

|        | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 110°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 112.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 115°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 117.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 120°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 122.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 125°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 127.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 130°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 132.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 135°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 137.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  |
| 140°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  |
| 142.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 1.0  |
| 150°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 1.0 | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |

(END OF REPORT)