

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: P821407

Luminaire Tested: **TT-D2-750-12VDC-5CQ-PM-HSS**

Issue Date: 12/2/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P821407  
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-D2-750-12VDC-5CQ-PM-HSS  
Description: TOPTIER LED SITE LUMINAIRE  
5000K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

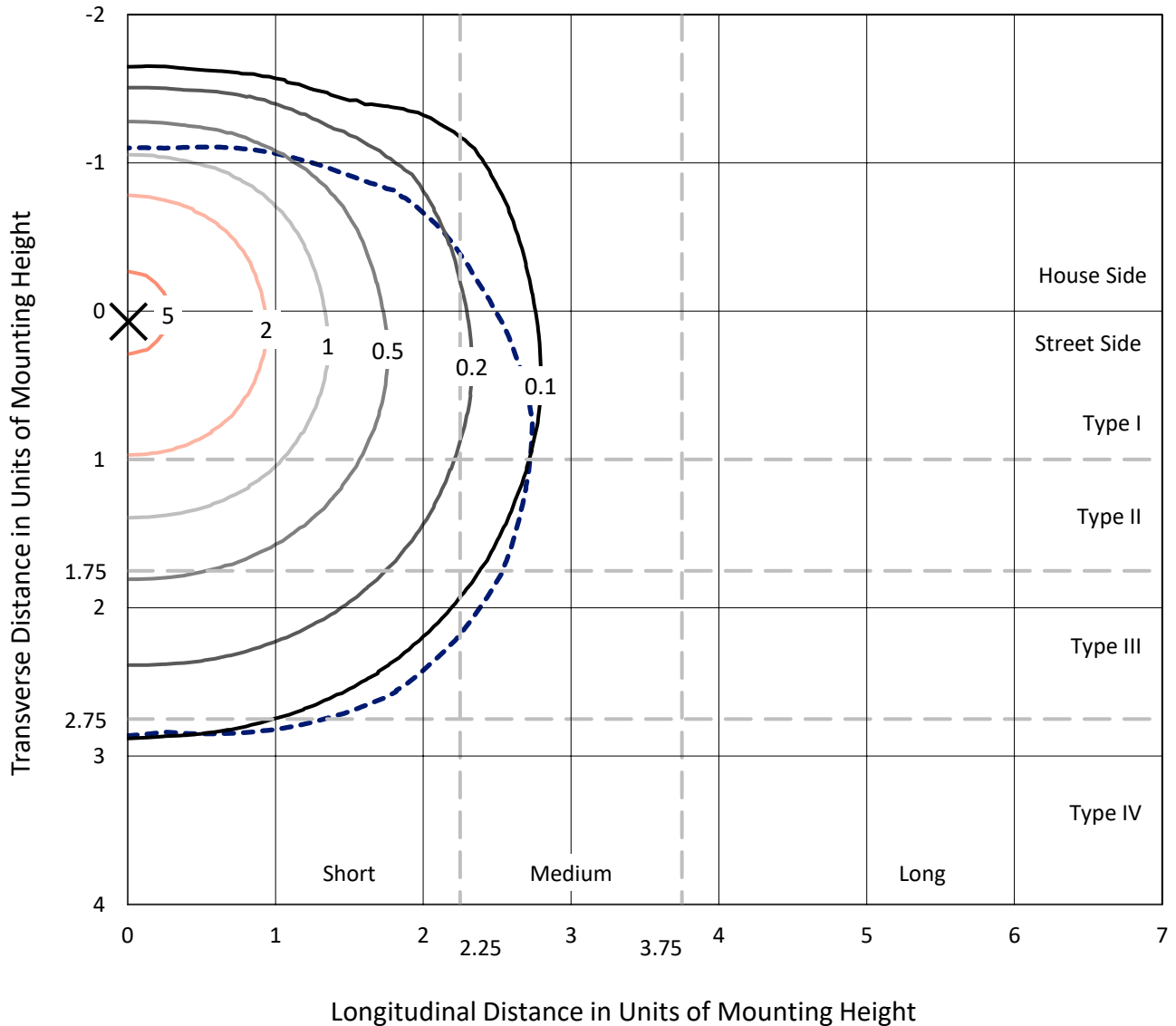
Lumens per Lamp: N/A  
Luminaire Lumens: 4409.9 lumens  
Efficiency: N/A  
Efficacy: 116.0 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U1 - G1

Input Watts (W): 38  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

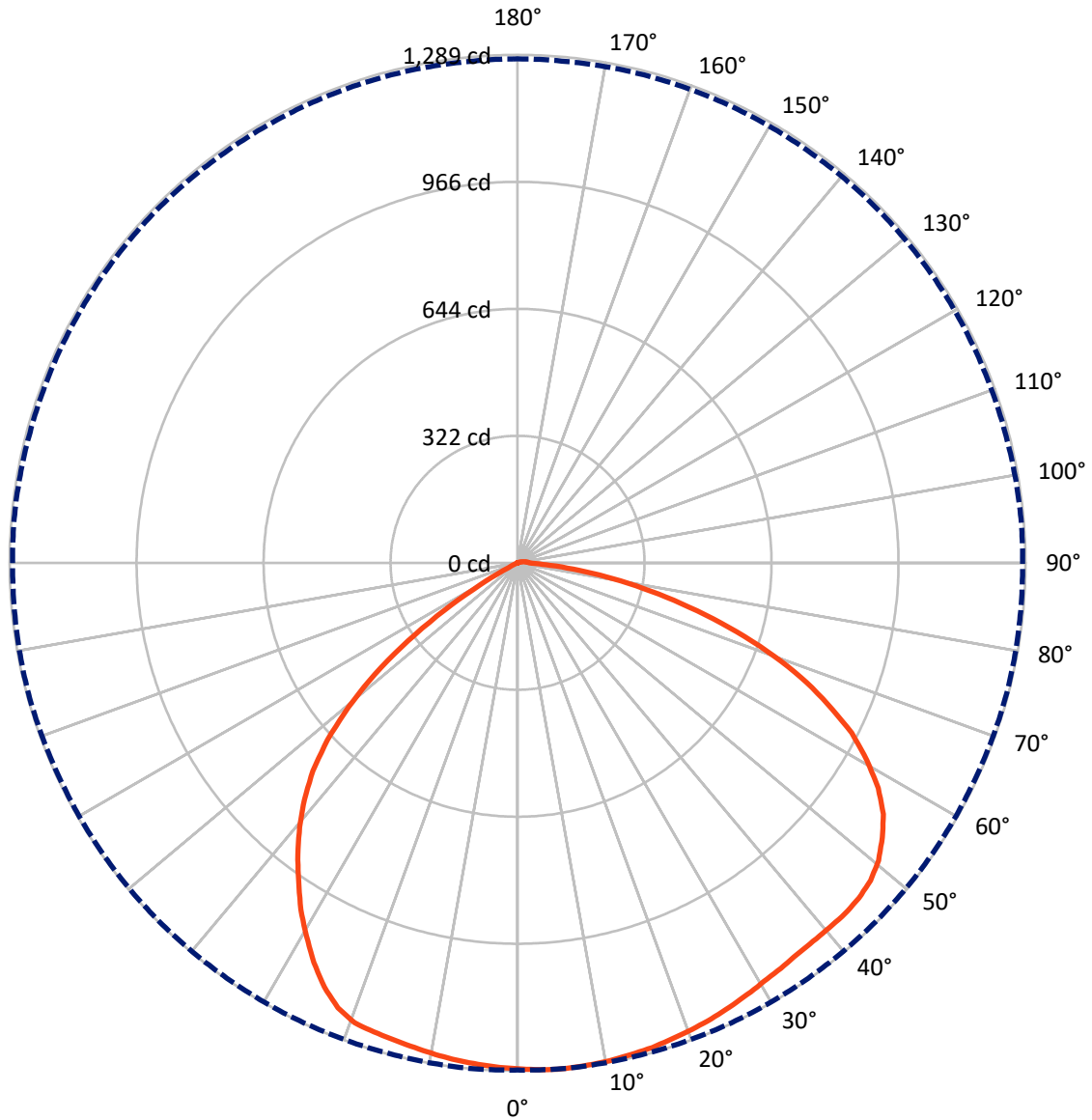
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 4-Deg Vertical

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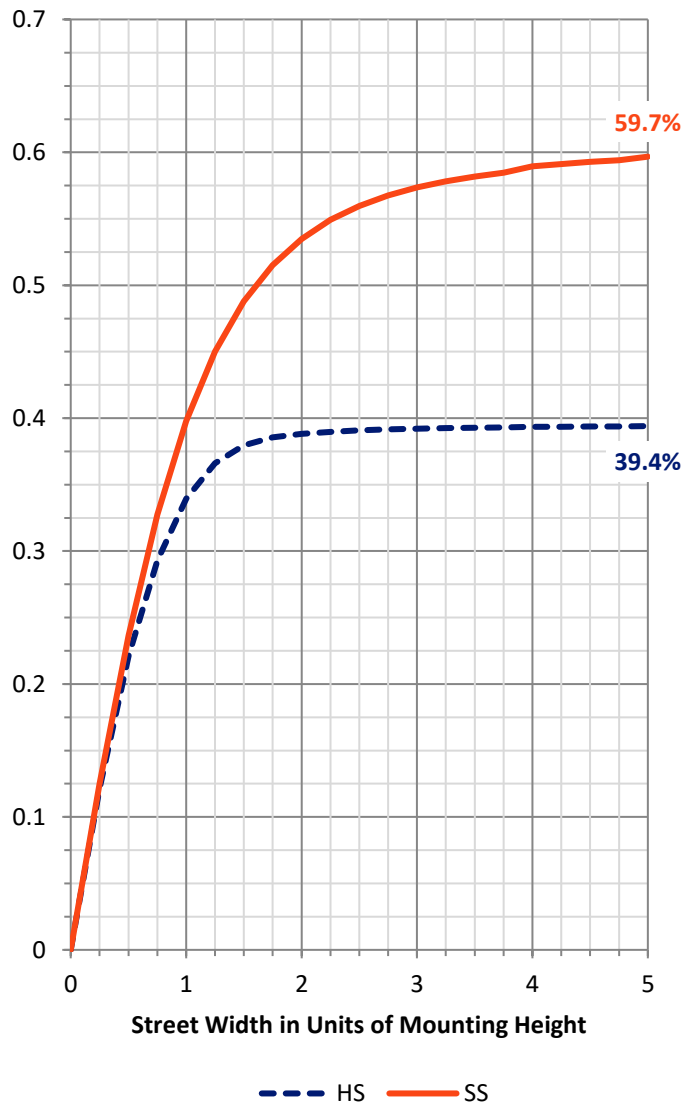
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1747.6   | 2.2    | 1749.8 |
|                    | % Fixture | 39.6     | 0.0    | 39.7   |
| <b>Street Side</b> | Lumens    | 2647.8   | 12.3   | 2660.1 |
|                    | % Fixture | 60.0     | 0.3    | 60.3   |
| <b>Total</b>       | Lumens    | 4395.4   | 14.4   | 4409.9 |
|                    | % Fixture | 99.7     | 0.3    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 122.1  | 2.8       |
| 10°-20°   | 357.5  | 8.1       |
| 20°-30°   | 563.3  | 12.8      |
| 30°-40°   | 716.9  | 16.3      |
| 40°-50°   | 828.0  | 18.8      |
| 50°-60°   | 810.7  | 18.4      |
| 60°-70°   | 603.8  | 13.7      |
| 70°-80°   | 327.0  | 7.4       |
| 80°-90°   | 66.3   | 1.5       |
| 90°-100°  | 8.4    | 0.2       |
| 100°-110° | 3.3    | 0.1       |
| 110°-120° | 0.9    | 0.0       |
| 120°-130° | 0.6    | 0.0       |
| 130°-140° | 0.5    | 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°    | 4395.4 | 99.7      |
| 0°-180°   | 4409.9 | 100.0     |

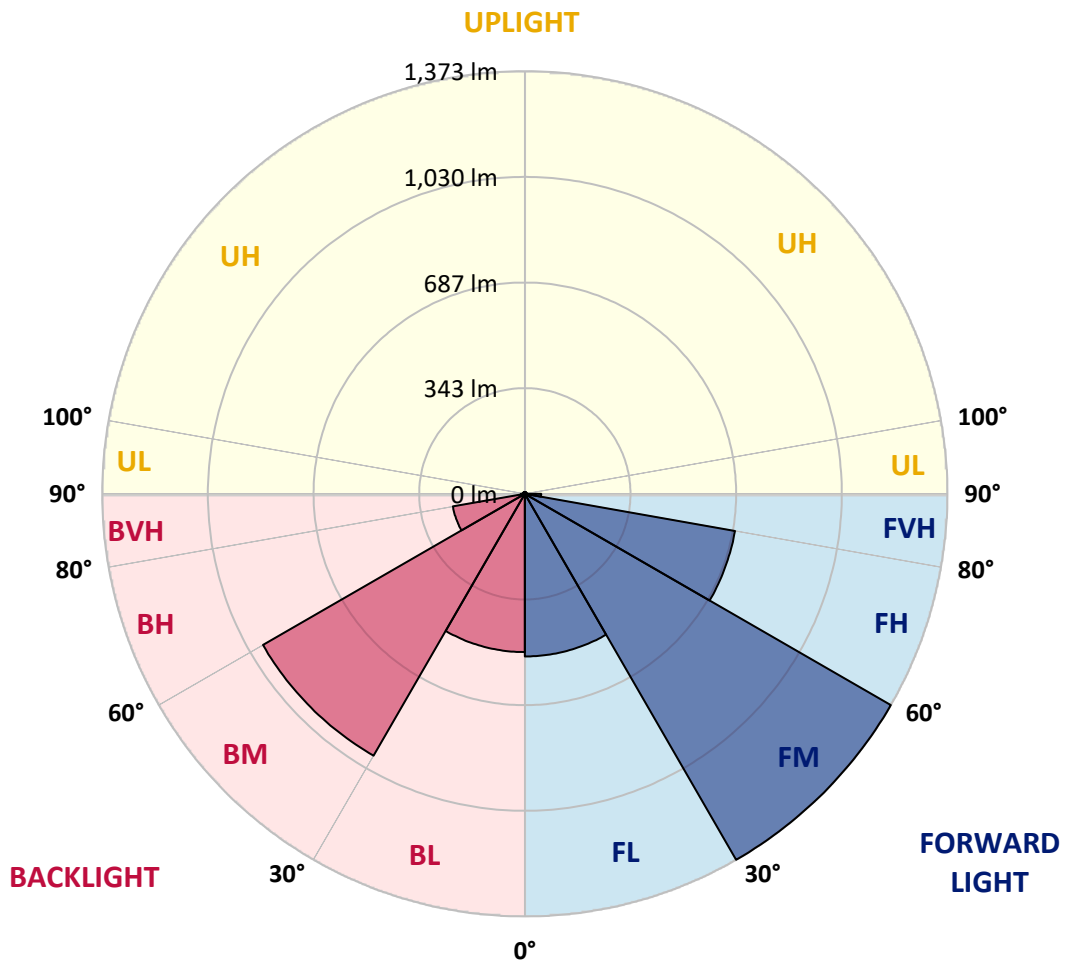


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|----------------|--------|-----------|-------------------------|-------|---------|
|                |        |           | B                       | U     | G       |
| FL (0°-30°)    | 528.4  | 12.0      |                         |       |         |
| FM (30°-60°)   | 1373.1 | 31.1      |                         |       |         |
| FH (60°-80°)   | 693.4  | 15.7      |                         |       | G1/1800 |
| FVH (80°-90°)  | 52.9   | 1.2       |                         |       | G1/100  |
| BL (0°-30°)    | 514.4  | 11.7      | B2/1000                 |       |         |
| BM (30°-60°)   | 982.4  | 22.3      | B1/1000                 |       |         |
| BH (60°-80°)   | 237.5  | 5.4       | B1/500                  |       | G1/500  |
| BVH (80°-90°)  | 13.4   | 0.3       |                         |       | G1/100  |
| UL (90°-100°)  | 8.4    | 0.2       |                         | U1/10 |         |
| UH (100°-180°) | 6.0    | 0.1       |                         | U1/10 |         |

**BUG Rating: B2-U1-G1**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 |
| 2.5°   | 1286.1 | 1287.8 | 1286.9 | 1286.9 | 1285.3 | 1286.1 | 1285.3 | 1285.3 | 1284.4 | 1283.6 | 1283.6 |
| 4°     | 1286.9 | 1288.6 | 1286.9 | 1286.9 | 1286.1 | 1286.1 | 1285.3 | 1283.6 | 1284.4 | 1282.0 | 1281.1 |
| 5°     | 1287.8 | 1288.6 | 1287.8 | 1287.8 | 1286.1 | 1285.3 | 1283.6 | 1283.6 | 1282.8 | 1281.1 | 1281.1 |
| 7.5°   | 1286.1 | 1286.9 | 1286.9 | 1286.1 | 1284.4 | 1282.8 | 1282.0 | 1281.1 | 1280.3 | 1277.8 | 1277.8 |
| 10°    | 1282.8 | 1284.4 | 1282.8 | 1282.8 | 1282.0 | 1280.3 | 1277.8 | 1277.0 | 1274.5 | 1272.8 | 1272.0 |
| 12.5°  | 1279.5 | 1280.3 | 1279.5 | 1279.5 | 1277.8 | 1275.3 | 1274.5 | 1272.8 | 1269.5 | 1267.0 | 1267.0 |
| 15°    | 1274.5 | 1276.2 | 1275.3 | 1274.5 | 1273.7 | 1271.2 | 1268.7 | 1266.2 | 1263.7 | 1261.2 | 1261.2 |
| 17.5°  | 1268.7 | 1269.5 | 1270.3 | 1269.5 | 1267.9 | 1266.2 | 1263.7 | 1260.4 | 1257.9 | 1255.4 | 1254.6 |
| 20°    | 1262.1 | 1263.7 | 1263.7 | 1263.7 | 1262.1 | 1260.4 | 1257.1 | 1253.8 | 1252.1 | 1248.8 | 1248.0 |
| 22.5°  | 1255.4 | 1257.1 | 1256.3 | 1257.1 | 1256.3 | 1253.8 | 1250.4 | 1247.1 | 1243.8 | 1241.3 | 1239.7 |
| 25°    | 1248.8 | 1248.8 | 1248.8 | 1248.8 | 1248.8 | 1245.5 | 1242.2 | 1238.0 | 1234.7 | 1230.5 | 1230.5 |
| 27.5°  | 1240.5 | 1240.5 | 1241.3 | 1241.3 | 1240.5 | 1238.0 | 1233.9 | 1228.9 | 1223.9 | 1219.8 | 1218.1 |
| 30°    | 1233.0 | 1232.2 | 1233.9 | 1235.5 | 1234.7 | 1232.2 | 1227.2 | 1221.4 | 1214.0 | 1208.2 | 1203.2 |
| 32.5°  | 1223.9 | 1226.4 | 1228.1 | 1231.4 | 1232.2 | 1228.9 | 1223.1 | 1215.6 | 1208.2 | 1197.4 | 1188.3 |
| 35°    | 1220.6 | 1220.6 | 1224.7 | 1229.7 | 1231.4 | 1229.7 | 1221.4 | 1213.1 | 1202.4 | 1186.6 | 1175.8 |
| 37.5°  | 1217.3 | 1218.1 | 1224.7 | 1232.2 | 1234.7 | 1234.7 | 1225.6 | 1214.8 | 1199.9 | 1177.5 | 1164.2 |
| 40°    | 1215.6 | 1217.3 | 1225.6 | 1236.3 | 1243.0 | 1242.2 | 1231.4 | 1218.1 | 1199.9 | 1170.8 | 1154.3 |
| 42.5°  | 1214.0 | 1217.3 | 1226.4 | 1241.3 | 1251.3 | 1250.4 | 1238.8 | 1221.4 | 1198.2 | 1162.6 | 1143.5 |
| 45°    | 1211.5 | 1214.0 | 1226.4 | 1245.5 | 1258.7 | 1261.2 | 1248.0 | 1225.6 | 1198.2 | 1155.1 | 1130.2 |
| 47.5°  | 1204.0 | 1204.8 | 1221.4 | 1243.8 | 1263.7 | 1267.0 | 1253.8 | 1227.2 | 1194.9 | 1142.6 | 1113.6 |
| 50°    | 1184.1 | 1186.6 | 1205.7 | 1235.5 | 1258.7 | 1263.7 | 1252.1 | 1223.1 | 1186.6 | 1121.9 | 1087.1 |
| 52.5°  | 1158.4 | 1158.4 | 1181.6 | 1214.8 | 1243.0 | 1251.3 | 1240.5 | 1208.2 | 1165.9 | 1091.2 | 1051.4 |
| 55°    | 1120.3 | 1126.1 | 1150.1 | 1184.9 | 1215.6 | 1227.2 | 1212.3 | 1180.8 | 1131.9 | 1052.3 | 1008.3 |
| 57.5°  | 1077.1 | 1078.8 | 1103.7 | 1145.1 | 1176.6 | 1184.1 | 1171.7 | 1134.4 | 1087.1 | 1005.8 | 953.6  |
| 60°    | 1015.0 | 1018.3 | 1049.8 | 1086.3 | 1120.3 | 1130.2 | 1114.5 | 1077.1 | 1027.4 | 946.1  | 893.1  |
| 62.5°  | 946.1  | 951.1  | 979.3  | 1016.6 | 1048.9 | 1064.7 | 1045.6 | 1006.7 | 957.7  | 874.8  | 828.4  |
| 65°    | 863.2  | 864.9  | 895.5  | 937.8  | 970.2  | 976.0  | 959.4  | 921.3  | 872.3  | 792.7  | 751.3  |
| 67.5°  | 767.8  | 776.1  | 806.0  | 837.5  | 865.7  | 872.3  | 860.7  | 816.8  | 777.8  | 707.3  | 666.7  |
| 70°    | 675.8  | 671.7  | 696.5  | 728.0  | 753.8  | 759.6  | 746.3  | 705.7  | 669.2  | 602.8  | 571.3  |
| 72.5°  | 564.7  | 561.4  | 587.9  | 612.0  | 636.8  | 633.5  | 620.2  | 587.9  | 556.4  | 500.0  | 471.0  |
| 75°    | 452.7  | 449.4  | 470.2  | 490.9  | 503.3  | 505.0  | 495.9  | 471.8  | 437.8  | 393.9  | 371.5  |
| 77.5°  | 343.3  | 346.6  | 355.7  | 373.1  | 384.8  | 389.7  | 374.0  | 349.9  | 328.4  | 294.4  | 277.8  |
| 80°    | 244.6  | 245.4  | 248.8  | 261.2  | 269.5  | 269.5  | 262.0  | 243.0  | 218.9  | 194.9  | 186.6  |
| 82.5°  | 154.2  | 157.5  | 157.5  | 170.0  | 170.0  | 163.4  | 160.0  | 147.6  | 135.2  | 116.1  | 104.5  |
| 85°    | 84.6   | 82.9   | 87.9   | 88.7   | 87.9   | 82.9   | 77.9   | 70.5   | 62.2   | 48.9   | 43.9   |
| 87.5°  | 37.3   | 36.5   | 36.5   | 36.5   | 35.7   | 32.3   | 27.4   | 21.6   | 14.9   | 9.1    | 6.6    |
| 90°    | 29.0   | 29.0   | 28.2   | 26.5   | 24.0   | 21.6   | 17.4   | 13.3   | 8.3    | 3.3    | 1.7    |
| 92.5°  | 26.5   | 26.5   | 25.7   | 24.9   | 22.4   | 19.9   | 15.8   | 11.6   | 7.5    | 3.3    | 1.7    |
| 95°    | 23.2   | 22.4   | 22.4   | 20.7   | 19.1   | 16.6   | 14.1   | 10.0   | 6.6    | 2.5    | 1.7    |
| 97.5°  | 19.1   | 18.2   | 18.2   | 17.4   | 15.8   | 13.3   | 11.6   | 8.3    | 5.8    | 2.5    | 1.7    |
| 100°   | 14.1   | 14.9   | 14.1   | 13.3   | 12.4   | 10.8   | 9.1    | 6.6    | 4.1    | 1.7    | 1.7    |
| 102.5° | 10.8   | 10.8   | 10.0   | 10.0   | 9.1    | 8.3    | 6.6    | 5.0    | 3.3    | 1.7    | 0.8    |
| 105°   | 7.5    | 7.5    | 7.5    | 6.6    | 6.6    | 5.8    | 5.0    | 3.3    | 2.5    | 1.7    | 0.8    |
| 107.5° | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 3.3    | 2.5    | 1.7    | 0.8    | 0.8    |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 1.7 | 1.7 | 0.8 | 0.8 | 0.8 |
| 112.5° | 0.8 | 0.8 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| 115°   | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 117.5° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 120°   | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 145°   | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 147.5° | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 150°   | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 180°   | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |





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**CANDELA DISTRIBUTION (continued):**

|        | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 | 1284.4 |
| 2.5°   | 1282.8 | 1280.3 | 1282.0 | 1281.1 | 1282.0 | 1280.3 | 1280.3 | 1280.3 | 1281.1 | 1279.5 |
| 4°     | 1282.0 | 1280.3 | 1280.3 | 1280.3 | 1280.3 | 1278.6 | 1278.6 | 1278.6 | 1277.8 | 1278.6 |
| 5°     | 1280.3 | 1279.5 | 1278.6 | 1277.8 | 1278.6 | 1277.0 | 1276.2 | 1276.2 | 1276.2 | 1277.0 |
| 7.5°   | 1277.0 | 1274.5 | 1274.5 | 1272.0 | 1272.8 | 1272.0 | 1271.2 | 1272.0 | 1271.2 | 1271.2 |
| 10°    | 1271.2 | 1269.5 | 1268.7 | 1267.0 | 1267.0 | 1265.4 | 1264.5 | 1264.5 | 1264.5 | 1263.7 |
| 12.5°  | 1265.4 | 1263.7 | 1262.9 | 1261.2 | 1260.4 | 1258.7 | 1257.9 | 1258.7 | 1257.1 | 1257.1 |
| 15°    | 1258.7 | 1257.1 | 1256.3 | 1256.3 | 1254.6 | 1252.9 | 1252.1 | 1250.4 | 1250.4 | 1250.4 |
| 17.5°  | 1252.9 | 1251.3 | 1252.1 | 1250.4 | 1249.6 | 1248.0 | 1248.0 | 1244.6 | 1244.6 | 1243.8 |
| 20°    | 1247.1 | 1245.5 | 1245.5 | 1244.6 | 1244.6 | 1243.0 | 1240.5 | 1238.8 | 1238.0 | 1238.0 |
| 22.5°  | 1239.7 | 1237.2 | 1233.0 | 1227.2 | 1223.9 | 1221.4 | 1220.6 | 1218.1 | 1217.3 | 1215.6 |
| 25°    | 1228.1 | 1221.4 | 1212.3 | 1202.4 | 1192.4 | 1187.4 | 1185.8 | 1182.5 | 1182.5 | 1182.5 |
| 27.5°  | 1214.0 | 1201.5 | 1189.1 | 1174.2 | 1159.2 | 1149.3 | 1142.6 | 1139.3 | 1137.7 | 1137.7 |
| 30°    | 1195.7 | 1180.0 | 1162.6 | 1143.5 | 1126.9 | 1108.7 | 1097.0 | 1090.4 | 1087.1 | 1087.9 |
| 32.5°  | 1179.1 | 1159.2 | 1139.3 | 1115.3 | 1092.9 | 1071.3 | 1051.4 | 1041.5 | 1037.3 | 1035.7 |
| 35°    | 1162.6 | 1140.2 | 1116.1 | 1090.4 | 1061.4 | 1029.9 | 1003.3 | 988.4  | 980.1  | 981.0  |
| 37.5°  | 1150.1 | 1123.6 | 1097.0 | 1065.5 | 1032.4 | 994.2  | 960.2  | 936.2  | 926.2  | 927.9  |
| 40°    | 1136.8 | 1107.0 | 1078.0 | 1041.5 | 1002.5 | 956.9  | 913.0  | 880.6  | 869.0  | 866.5  |
| 42.5°  | 1124.4 | 1089.6 | 1056.4 | 1017.4 | 968.5  | 917.1  | 863.2  | 825.1  | 807.6  | 805.2  |
| 45°    | 1108.7 | 1069.7 | 1034.0 | 989.2  | 935.3  | 871.5  | 808.5  | 758.7  | 740.5  | 733.0  |
| 47.5°  | 1087.9 | 1044.8 | 1005.0 | 953.6  | 894.7  | 822.6  | 743.8  | 682.4  | 659.2  | 653.4  |
| 50°    | 1057.2 | 1007.5 | 966.9  | 908.8  | 837.5  | 757.9  | 670.0  | 594.5  | 563.9  | 559.7  |
| 52.5°  | 1016.6 | 966.0  | 920.4  | 854.1  | 767.0  | 673.3  | 573.8  | 495.9  | 460.2  | 457.7  |
| 55°    | 967.7  | 913.0  | 863.2  | 788.6  | 686.6  | 578.0  | 474.3  | 375.6  | 340.8  | 336.7  |
| 57.5°  | 910.5  | 854.1  | 800.2  | 708.1  | 590.4  | 469.3  | 349.1  | 254.6  | 221.4  | 213.1  |
| 60°    | 847.5  | 789.4  | 728.9  | 616.9  | 461.0  | 332.5  | 211.4  | 135.2  | 110.3  | 102.0  |
| 62.5°  | 786.1  | 723.1  | 659.2  | 508.3  | 315.9  | 189.9  | 96.2   | 39.0   | 24.9   | 24.0   |
| 65°    | 713.9  | 654.2  | 588.7  | 409.6  | 199.8  | 85.4   | 28.2   | 0.8    | 0.0    | 0.0    |
| 67.5°  | 630.2  | 579.6  | 521.6  | 366.5  | 176.6  | 74.6   | 24.0   | 0.8    | 0.0    | 0.0    |
| 70°    | 540.6  | 500.8  | 449.4  | 315.1  | 151.7  | 63.0   | 20.7   | 0.0    | 0.0    | 0.0    |
| 72.5°  | 446.1  | 412.1  | 374.0  | 262.0  | 126.0  | 52.2   | 16.6   | 0.0    | 0.0    | 0.0    |
| 75°    | 349.9  | 328.4  | 294.4  | 207.3  | 97.8   | 39.8   | 12.4   | 0.0    | 0.0    | 0.0    |
| 77.5°  | 259.5  | 242.1  | 217.3  | 152.6  | 73.8   | 29.0   | 9.1    | 0.0    | 0.0    | 0.0    |
| 80°    | 175.0  | 161.7  | 147.6  | 103.7  | 49.8   | 19.1   | 5.8    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 102.0  | 92.0   | 82.9   | 58.9   | 27.4   | 10.8   | 2.5    | 0.0    | 0.0    | 0.0    |
| 85°    | 41.5   | 38.1   | 36.5   | 24.9   | 10.8   | 3.3    | 0.8    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 5.0    | 4.1    | 4.1    | 2.5    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°    | 0.8    | 0.8    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.0    |
| 100°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 102.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 105°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 107.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |



REPORT NUMBER: P821407  
 CATALOG NUMBER: TT-D2-750-12VDC-5CQ-PM-HSS

**CANDELA DISTRIBUTION (continued):**

|        | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 110°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| 112.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| 115°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| 117.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| 120°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| 122.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| 125°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| 127.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| 130°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| 132.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| 135°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| 137.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  |
| 140°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  |
| 142.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.8  |
| 150°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |

(END OF REPORT)