

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: P821535

Luminaire Tested: **TT-D2-740-12VDC-MQ-HSS**

Issue Date: 12/2/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P821535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-017-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-D2-740-12VDC-MQ-HSS  
Description: TOPTIER LED PARKING GARAGE LUMINAIRE  
4000K, 70 CRI LEDS AND MEDIUM DISTRIBUTION WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

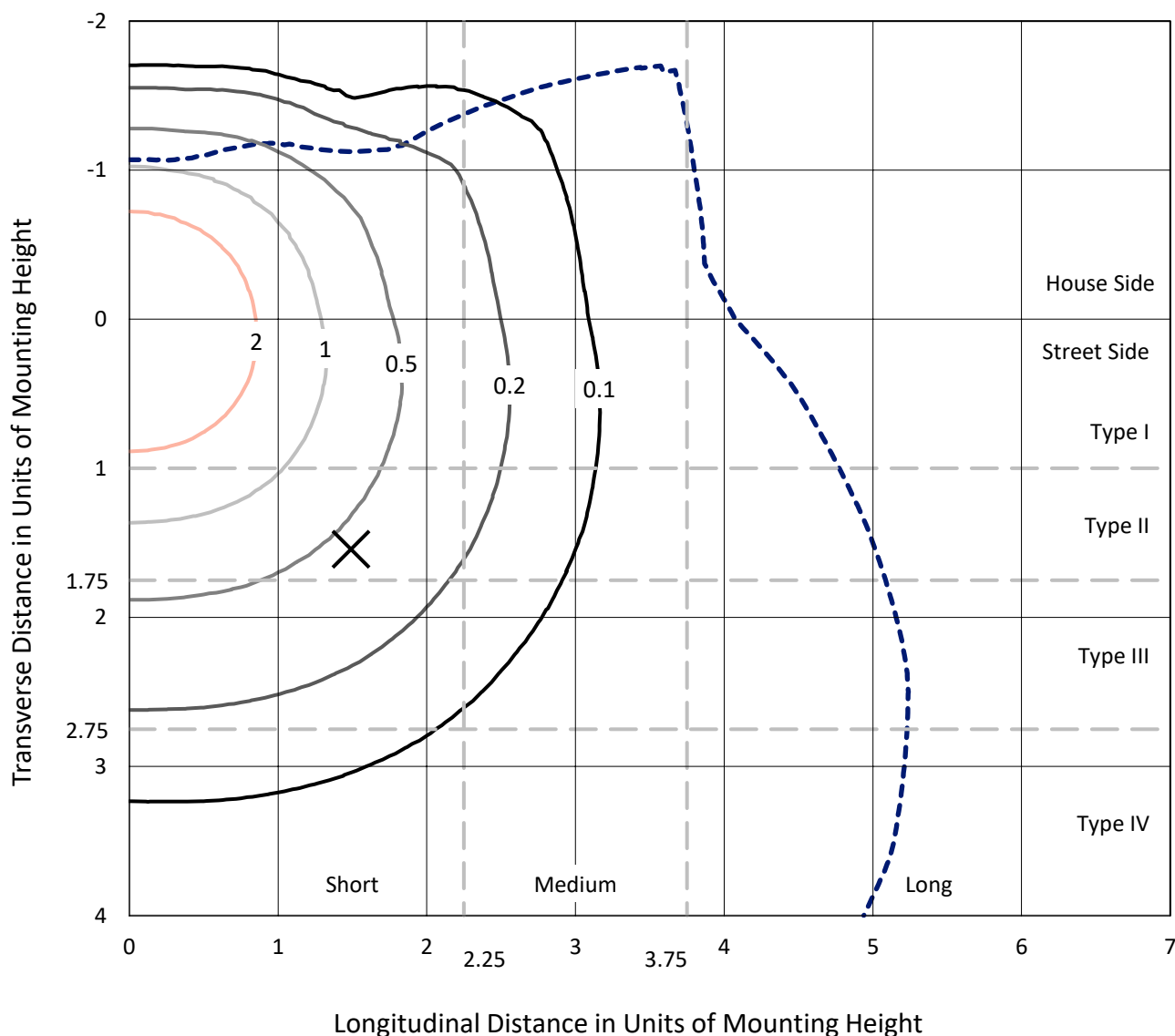
Lumens per Lamp: N/A  
Luminaire Lumens: 4692.9 lumens  
Efficiency: N/A  
Efficacy: 123.5 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U2 - G2

Input Watts (W): 38  
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

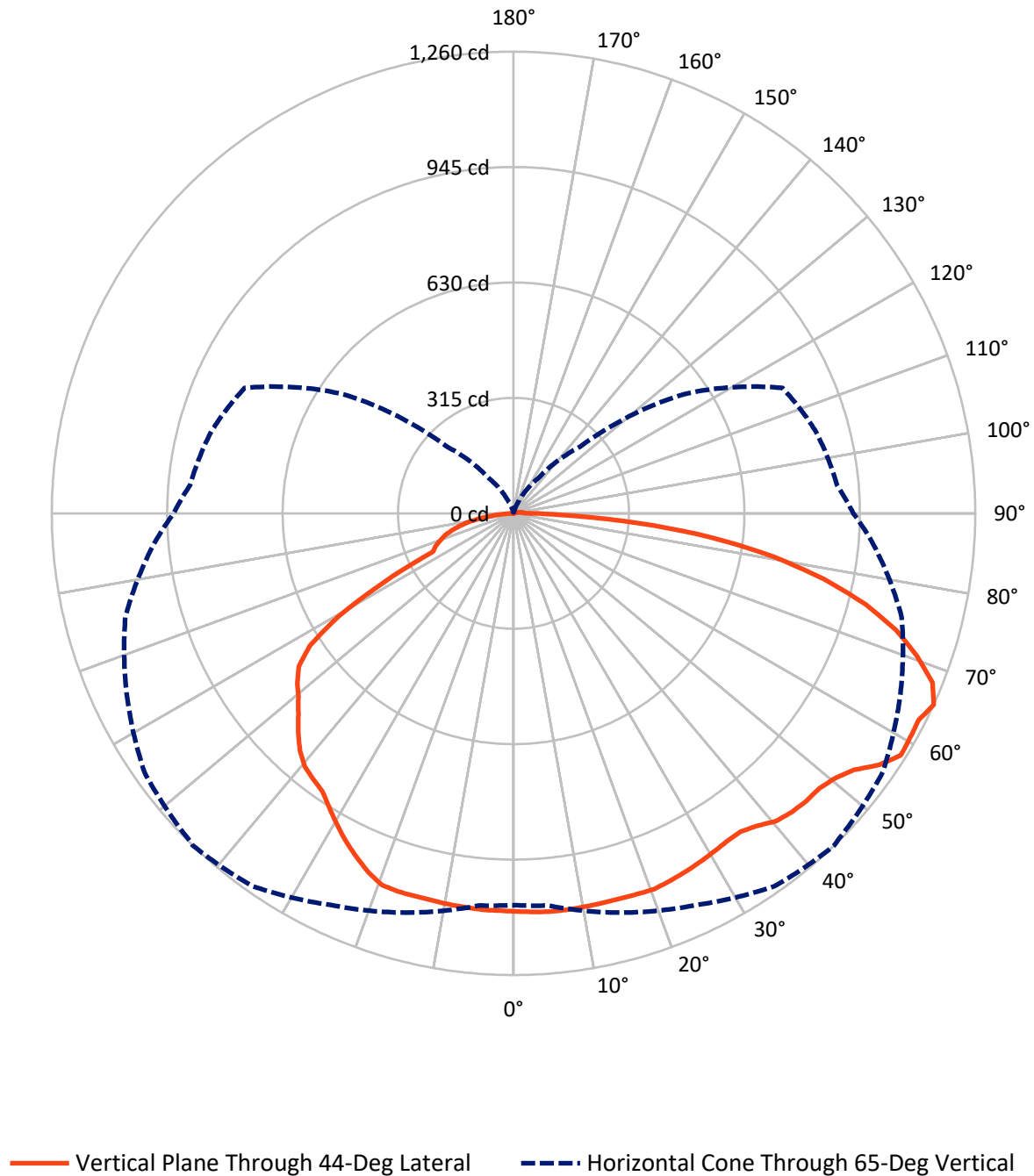
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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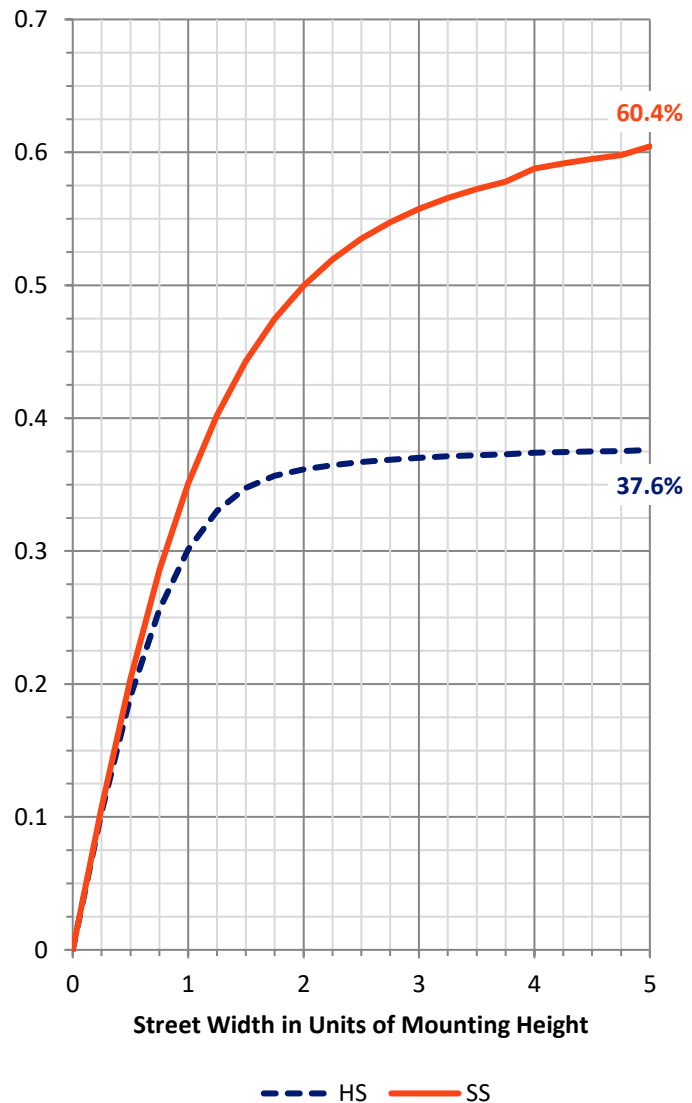
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1777.0   | 1.2    | 1778.2 |
|                    | % Fixture | 37.9     | 0.0    | 37.9   |
| <b>Street Side</b> | Lumens    | 2898.9   | 15.9   | 2914.7 |
|                    | % Fixture | 61.8     | 0.3    | 62.1   |
| <b>Total</b>       | Lumens    | 4675.8   | 17.1   | 4692.9 |
|                    | % Fixture | 99.6     | 0.4    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 103.7  | 2.2       |
| 10°-20°   | 307.1  | 6.5       |
| 20°-30°   | 488.7  | 10.4      |
| 30°-40°   | 626.2  | 13.3      |
| 40°-50°   | 741.8  | 15.8      |
| 50°-60°   | 812.4  | 17.3      |
| 60°-70°   | 772.2  | 16.5      |
| 70°-80°   | 614.8  | 13.1      |
| 80°-90°   | 208.9  | 4.5       |
| 90°-100°  | 11.0   | 0.2       |
| 100°-110° | 3.6    | 0.1       |
| 110°-120° | 0.8    | 0.0       |
| 120°-130° | 0.5    | 0.0       |
| 130°-140° | 0.4    | 0.0       |
| 140°-150° | 0.3    | 0.0       |
| 150°-160° | 0.3    | 0.0       |
| 160°-170° | 0.2    | 0.0       |
| 170°-180° | 0.1    | 0.0       |
| 0°-90°    | 4675.8 | 99.6      |
| 0°-180°   | 4692.9 | 100.0     |

**Coefficient of Utilization**



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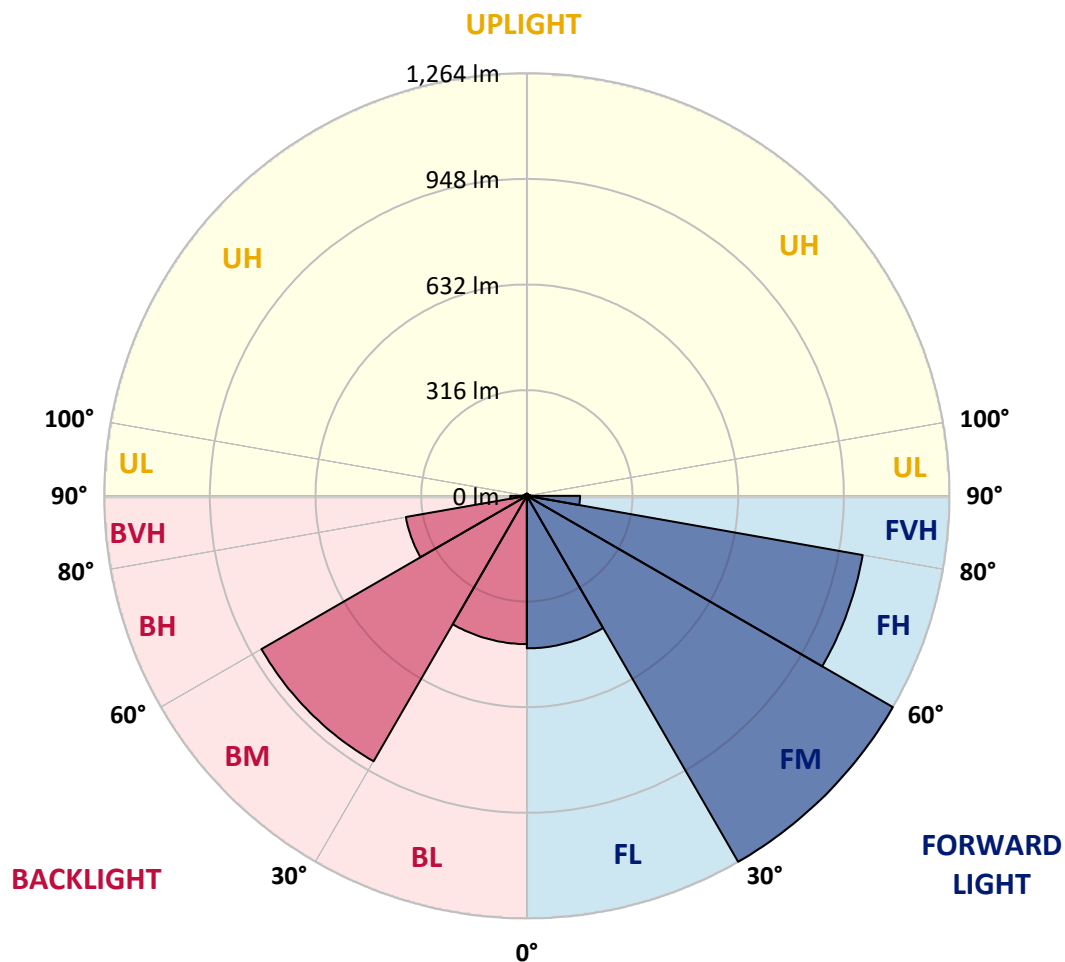
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 456.1  | 9.7       |                         |       |         |
| FM   | (30°-60°)   | 1263.8 | 26.9      |                         |       |         |
| FH   | (60°-80°)   | 1019.8 | 21.7      |                         |       | G1/1800 |
| FVH  | (80°-90°)   | 159.1  | 3.4       |                         |       | G2/225  |
| BL   | (0°-30°)    | 443.4  | 9.4       | B1/500                  |       |         |
| BM   | (30°-60°)   | 916.6  | 19.5      | B1/1000                 |       |         |
| BH   | (60°-80°)   | 367.2  | 7.8       | B1/500                  |       | G1/500  |
| BVH  | (80°-90°)   | 49.8   | 1.1       |                         |       | G1/100  |
| UL   | (90°-100°)  | 11.0   | 0.2       |                         | U2/50 |         |
| UH   | (100°-180°) | 6.1    | 0.1       |                         | U1/10 |         |

**BUG Rating: B1-U2-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 44°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5°   | 1090.5 | 1089.7 | 1089.7 | 1089.7 | 1089.7 | 1088.9 | 1089.7 | 1088.1 | 1088.9 | 1086.4 | 1086.4 |
| 5°     | 1093.0 | 1091.4 | 1092.2 | 1092.2 | 1092.2 | 1091.4 | 1092.2 | 1089.7 | 1090.5 | 1087.2 | 1086.4 |
| 7.5°   | 1093.9 | 1093.0 | 1093.0 | 1093.0 | 1093.0 | 1091.4 | 1092.2 | 1090.5 | 1089.7 | 1087.2 | 1085.6 |
| 10°    | 1093.9 | 1093.0 | 1093.0 | 1093.0 | 1092.2 | 1090.5 | 1091.4 | 1088.9 | 1088.9 | 1085.6 | 1083.9 |
| 12.5°  | 1093.9 | 1093.0 | 1093.9 | 1092.2 | 1092.2 | 1090.5 | 1090.5 | 1088.1 | 1088.1 | 1083.9 | 1082.3 |
| 15°    | 1093.0 | 1092.2 | 1092.2 | 1093.0 | 1092.2 | 1090.5 | 1090.5 | 1088.1 | 1087.2 | 1082.3 | 1080.6 |
| 17.5°  | 1092.2 | 1091.4 | 1092.2 | 1093.0 | 1093.9 | 1092.2 | 1093.0 | 1088.9 | 1087.2 | 1082.3 | 1079.8 |
| 20°    | 1093.0 | 1092.2 | 1093.0 | 1094.7 | 1094.7 | 1094.7 | 1094.7 | 1090.5 | 1087.2 | 1082.3 | 1078.1 |
| 22.5°  | 1090.5 | 1090.5 | 1090.5 | 1090.5 | 1092.2 | 1089.7 | 1089.7 | 1087.2 | 1083.1 | 1078.9 | 1074.8 |
| 25°    | 1084.7 | 1084.7 | 1085.6 | 1086.4 | 1086.4 | 1084.7 | 1083.9 | 1081.4 | 1078.1 | 1073.1 | 1068.2 |
| 27.5°  | 1078.1 | 1078.1 | 1078.9 | 1078.9 | 1080.6 | 1078.9 | 1078.1 | 1074.8 | 1071.5 | 1065.7 | 1059.9 |
| 30°    | 1070.6 | 1070.6 | 1070.6 | 1072.3 | 1073.1 | 1073.1 | 1072.3 | 1068.2 | 1064.0 | 1057.4 | 1049.9 |
| 32.5°  | 1062.3 | 1062.3 | 1064.8 | 1066.5 | 1067.3 | 1067.3 | 1067.3 | 1062.3 | 1057.4 | 1049.1 | 1038.3 |
| 35°    | 1055.7 | 1055.7 | 1059.0 | 1064.8 | 1068.2 | 1066.5 | 1065.7 | 1062.3 | 1054.9 | 1045.8 | 1028.3 |
| 37.5°  | 1059.9 | 1059.9 | 1067.3 | 1075.6 | 1083.1 | 1081.4 | 1081.4 | 1075.6 | 1065.7 | 1050.7 | 1029.2 |
| 40°    | 1069.8 | 1070.6 | 1082.3 | 1093.0 | 1102.2 | 1103.8 | 1103.8 | 1097.2 | 1082.3 | 1063.2 | 1033.3 |
| 42.5°  | 1072.3 | 1074.0 | 1085.6 | 1101.3 | 1109.6 | 1113.8 | 1113.8 | 1104.6 | 1088.9 | 1066.5 | 1031.7 |
| 45°    | 1072.3 | 1073.1 | 1086.4 | 1103.0 | 1116.3 | 1119.6 | 1119.6 | 1109.6 | 1089.7 | 1068.2 | 1025.9 |
| 47.5°  | 1072.3 | 1071.5 | 1083.1 | 1106.3 | 1119.6 | 1122.1 | 1122.1 | 1111.3 | 1092.2 | 1064.8 | 1017.6 |
| 50°    | 1069.8 | 1074.0 | 1091.4 | 1109.6 | 1132.8 | 1136.2 | 1135.3 | 1123.7 | 1097.2 | 1069.0 | 1010.9 |
| 52.5°  | 1075.6 | 1074.8 | 1098.0 | 1134.5 | 1155.2 | 1162.7 | 1163.5 | 1148.6 | 1121.2 | 1080.6 | 1006.8 |
| 55°    | 1099.7 | 1100.5 | 1122.9 | 1165.2 | 1196.7 | 1210.8 | 1209.1 | 1190.1 | 1151.1 | 1103.8 | 1018.4 |
| 57.5°  | 1108.0 | 1116.3 | 1148.6 | 1185.1 | 1233.2 | 1245.6 | 1245.6 | 1222.4 | 1175.1 | 1122.1 | 1026.7 |
| 60°    | 1091.4 | 1094.7 | 1134.5 | 1196.7 | 1240.6 | 1243.1 | 1244.0 | 1227.4 | 1177.6 | 1112.1 | 1010.1 |
| 62.5°  | 1087.2 | 1093.9 | 1124.5 | 1194.2 | 1222.4 | 1240.6 | 1239.8 | 1217.4 | 1175.1 | 1104.6 | 1004.3 |
| 65°    | 1069.0 | 1074.0 | 1127.9 | 1179.3 | 1241.5 | 1259.7 | 1255.6 | 1229.9 | 1164.4 | 1096.3 | 986.1  |
| 67.5°  | 1031.7 | 1036.6 | 1086.4 | 1158.5 | 1214.9 | 1232.4 | 1236.5 | 1206.6 | 1138.6 | 1057.4 | 947.1  |
| 70°    | 969.5  | 976.9  | 1027.5 | 1098.0 | 1157.7 | 1167.7 | 1166.0 | 1147.8 | 1079.8 | 992.7  | 889.9  |
| 72.5°  | 882.4  | 894.0  | 957.9  | 1025.0 | 1076.4 | 1091.4 | 1084.7 | 1064.0 | 1008.4 | 914.7  | 811.9  |
| 75°    | 790.3  | 801.1  | 851.7  | 927.2  | 981.1  | 991.0  | 986.1  | 961.2  | 904.8  | 812.7  | 719.8  |
| 77.5°  | 690.0  | 699.1  | 742.2  | 819.4  | 859.2  | 867.5  | 869.9  | 836.8  | 783.7  | 700.8  | 617.8  |
| 80°    | 554.8  | 559.0  | 617.0  | 667.6  | 702.4  | 719.0  | 717.4  | 692.5  | 639.4  | 570.6  | 487.6  |
| 82.5°  | 409.7  | 413.0  | 457.8  | 500.9  | 532.4  | 547.3  | 539.1  | 514.2  | 471.9  | 413.0  | 350.0  |
| 85°    | 251.3  | 245.5  | 282.0  | 314.3  | 333.4  | 343.3  | 335.0  | 320.9  | 283.6  | 237.2  | 193.2  |
| 87.5°  | 90.4   | 85.4   | 102.0  | 107.0  | 128.5  | 125.2  | 132.7  | 107.0  | 86.2   | 61.4   | 43.1   |
| 90°    | 39.8   | 39.8   | 39.0   | 37.3   | 34.0   | 30.7   | 29.9   | 24.9   | 18.2   | 11.6   | 4.1    |
| 92.5°  | 36.5   | 36.5   | 35.7   | 34.0   | 30.7   | 27.4   | 27.4   | 22.4   | 16.6   | 10.8   | 4.1    |
| 95°    | 30.7   | 30.7   | 29.9   | 28.2   | 25.7   | 23.2   | 23.2   | 18.2   | 14.1   | 9.1    | 3.3    |
| 97.5°  | 24.1   | 24.1   | 23.2   | 22.4   | 19.9   | 18.2   | 18.2   | 14.9   | 10.8   | 6.6    | 2.5    |
| 100°   | 18.2   | 18.2   | 17.4   | 16.6   | 15.8   | 14.1   | 13.3   | 10.8   | 8.3    | 5.0    | 1.7    |
| 102.5° | 13.3   | 13.3   | 13.3   | 12.4   | 10.8   | 10.0   | 10.0   | 8.3    | 5.8    | 4.1    | 1.7    |
| 105°   | 9.1    | 9.1    | 9.1    | 8.3    | 7.5    | 6.6    | 6.6    | 5.8    | 4.1    | 2.5    | 0.8    |
| 107.5° | 5.8    | 5.8    | 5.8    | 5.8    | 5.0    | 4.1    | 4.1    | 3.3    | 2.5    | 1.7    | 0.8    |
| 110°   | 3.3    | 2.5    | 3.3    | 3.3    | 3.3    | 2.5    | 2.5    | 1.7    | 1.7    | 0.8    | 0.8    |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 44° | 45° | 55° | 65° | 75° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 1.7 | 1.7 | 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 | 1.7 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 117.5° | 0.0 | 0.8 | 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 | 0.8 | 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 | 0.8 | 0.8 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 142.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 145°   | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 147.5° | 0.8 | 0.8 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 150°   | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 152.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 155°   | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 157.5° | 0.8 | 0.8 | 0.8 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 160°   | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 162.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 165°   | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 167.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 170°   | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 172.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 175°   | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 177.5° | 0.8 | 0.8 | 0.8 | 0.8 | 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):**

|        | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 | 1086.4 |
| 2.5°   | 1086.4 | 1085.6 | 1084.7 | 1085.6 | 1084.7 | 1084.7 | 1083.9 | 1083.9 | 1083.1 | 1083.1 | 1082.3 |
| 5°     | 1086.4 | 1085.6 | 1084.7 | 1085.6 | 1083.9 | 1084.7 | 1084.7 | 1083.9 | 1083.1 | 1082.3 | 1081.4 |
| 7.5°   | 1085.6 | 1085.6 | 1083.9 | 1084.7 | 1083.1 | 1083.1 | 1082.3 | 1082.3 | 1081.4 | 1081.4 | 1080.6 |
| 10°    | 1083.9 | 1083.1 | 1083.1 | 1083.1 | 1081.4 | 1081.4 | 1080.6 | 1079.8 | 1079.8 | 1078.9 | 1078.1 |
| 12.5°  | 1082.3 | 1081.4 | 1080.6 | 1080.6 | 1079.8 | 1078.9 | 1078.1 | 1078.1 | 1077.3 | 1076.4 | 1075.6 |
| 15°    | 1079.8 | 1078.9 | 1078.9 | 1078.9 | 1078.1 | 1078.1 | 1077.3 | 1076.4 | 1074.8 | 1074.0 | 1073.1 |
| 17.5°  | 1078.9 | 1078.1 | 1078.9 | 1078.9 | 1078.1 | 1078.9 | 1077.3 | 1075.6 | 1074.0 | 1073.1 | 1072.3 |
| 20°    | 1078.1 | 1078.1 | 1078.1 | 1077.3 | 1076.4 | 1075.6 | 1074.8 | 1074.0 | 1073.1 | 1072.3 | 1071.5 |
| 22.5°  | 1074.0 | 1073.1 | 1071.5 | 1066.5 | 1060.7 | 1056.5 | 1055.7 | 1057.4 | 1057.4 | 1057.4 | 1054.9 |
| 25°    | 1066.5 | 1064.0 | 1057.4 | 1048.2 | 1038.3 | 1031.7 | 1027.5 | 1027.5 | 1026.7 | 1025.0 | 1024.2 |
| 27.5°  | 1057.4 | 1052.4 | 1040.8 | 1029.2 | 1015.1 | 1006.8 | 996.8  | 991.0  | 988.5  | 987.7  | 986.1  |
| 30°    | 1044.9 | 1037.5 | 1022.5 | 1007.6 | 990.2  | 978.6  | 962.8  | 952.9  | 947.1  | 944.6  | 942.9  |
| 32.5°  | 1030.0 | 1022.5 | 1005.1 | 986.9  | 966.1  | 949.6  | 929.7  | 913.9  | 903.1  | 898.1  | 895.7  |
| 35°    | 1020.1 | 1009.3 | 989.4  | 967.8  | 947.1  | 923.0  | 899.0  | 877.4  | 860.8  | 855.0  | 851.7  |
| 37.5°  | 1015.9 | 1006.0 | 984.4  | 962.8  | 939.6  | 910.6  | 882.4  | 851.7  | 829.3  | 819.4  | 816.0  |
| 40°    | 1018.4 | 1006.0 | 981.9  | 958.7  | 931.3  | 899.0  | 861.7  | 823.5  | 794.5  | 780.4  | 777.1  |
| 42.5°  | 1012.6 | 998.5  | 970.3  | 945.4  | 911.4  | 874.9  | 829.3  | 785.4  | 746.4  | 734.8  | 729.8  |
| 45°    | 1002.6 | 985.2  | 954.5  | 923.0  | 887.4  | 842.6  | 795.3  | 738.9  | 692.5  | 678.4  | 674.2  |
| 47.5°  | 992.7  | 968.6  | 932.1  | 903.1  | 860.0  | 807.7  | 752.2  | 689.2  | 631.1  | 617.0  | 614.5  |
| 50°    | 977.8  | 955.4  | 916.4  | 882.4  | 838.4  | 777.9  | 714.9  | 636.1  | 570.6  | 546.5  | 539.9  |
| 52.5°  | 971.1  | 942.1  | 904.8  | 878.2  | 825.2  | 756.3  | 676.7  | 592.1  | 497.6  | 467.7  | 461.1  |
| 55°    | 977.8  | 941.3  | 901.5  | 875.8  | 814.4  | 729.0  | 631.1  | 523.3  | 413.8  | 382.3  | 373.2  |
| 57.5°  | 966.1  | 934.6  | 894.8  | 865.8  | 786.2  | 672.6  | 564.8  | 426.3  | 312.7  | 272.0  | 268.7  |
| 60°    | 951.2  | 906.4  | 869.1  | 842.6  | 727.3  | 566.4  | 439.5  | 303.5  | 188.3  | 153.4  | 146.8  |
| 62.5°  | 945.4  | 899.0  | 855.8  | 823.5  | 648.5  | 416.3  | 267.9  | 153.4  | 78.0   | 54.7   | 49.8   |
| 65°    | 927.2  | 885.7  | 855.0  | 809.4  | 566.4  | 257.1  | 115.3  | 45.6   | 3.3    | 2.5    | 2.5    |
| 67.5°  | 892.3  | 850.0  | 829.3  | 802.8  | 558.1  | 245.5  | 104.5  | 41.5   | 1.7    | 0.0    | 0.0    |
| 70°    | 832.6  | 799.5  | 785.4  | 771.3  | 534.1  | 227.2  | 95.4   | 37.3   | 0.8    | 0.0    | 0.0    |
| 72.5°  | 753.8  | 731.5  | 729.0  | 727.3  | 499.2  | 209.8  | 85.4   | 33.2   | 0.8    | 0.0    | 0.0    |
| 75°    | 675.1  | 647.7  | 651.8  | 661.8  | 456.1  | 185.8  | 73.8   | 29.0   | 0.8    | 0.0    | 0.0    |
| 77.5°  | 575.5  | 555.6  | 565.6  | 582.2  | 399.7  | 157.6  | 60.5   | 23.2   | 0.8    | 0.0    | 0.0    |
| 80°    | 452.8  | 439.5  | 461.9  | 476.9  | 326.7  | 125.2  | 45.6   | 16.6   | 0.0    | 0.0    | 0.0    |
| 82.5°  | 321.8  | 314.3  | 335.0  | 354.1  | 243.0  | 88.7   | 31.5   | 10.8   | 0.0    | 0.0    | 0.0    |
| 85°    | 173.3  | 169.2  | 189.1  | 209.8  | 146.0  | 50.6   | 15.8   | 5.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 43.1   | 39.8   | 40.6   | 48.9   | 35.7   | 10.8   | 2.5    | 0.8    | 0.0    | 0.0    | 0.0    |
| 90°    | 0.8    | 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    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.8    | 0.8    | 0.8    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P821535  
 CATALOG NUMBER: TT-D2-740-12VDC-MQ-HSS

**CANDELA DISTRIBUTION (continued):**

|        | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 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  | 0.0  |
| 147.5° | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.0  | 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  | 0.0  |
| 155°   | 0.8 | 0.8 | 0.8  | 0.8  | 0.8  | 0.0  | 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  | 0.0  |
| 160°   | 0.8 | 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  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.8 | 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  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.8 | 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  | 0.8  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.8 | 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  | 0.8  | 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  | 0.8  |

(END OF REPORT)