

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: P821342

Luminaire Tested: **TT-D1-750-24VDC-MQ-HSS**

Issue Date: 12/2/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P821342  
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-D1-750-24VDC-MQ-HSS  
Description: TOPTIER LED PARKING GARAGE LUMINAIRE  
5000K, 70 CRI LEDS AND MEDIUM DISTRIBUTION WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

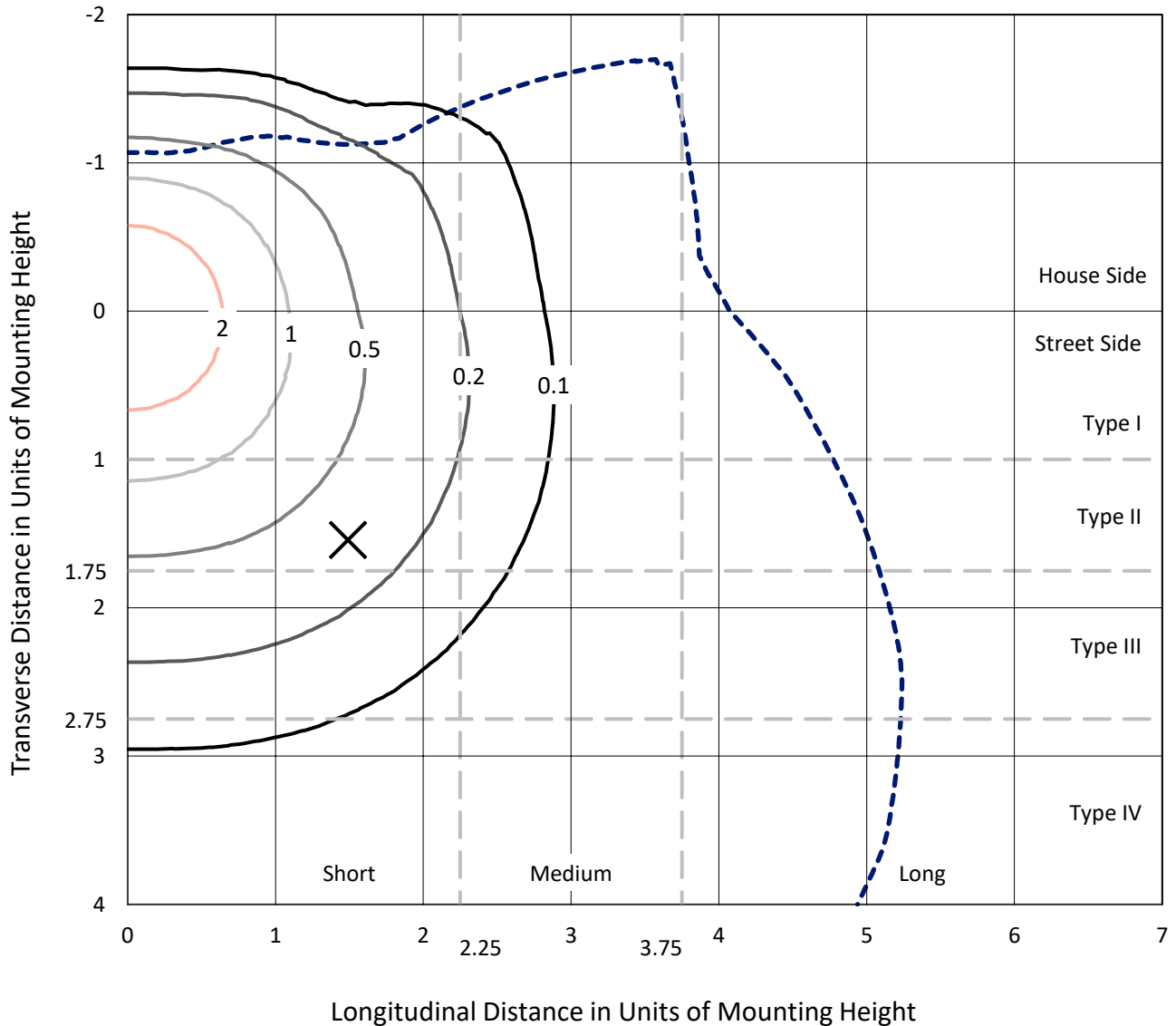
Lumens per Lamp: N/A  
Luminaire Lumens: 3448 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U1 - G2

Input Watts (W): 28  
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

REPORT NUMBER: P821342  
 CATALOG NUMBER: TT-D1-750-24VDC-MQ-HSS

### Iso-Footcandle Lines of Horizontal Illumination

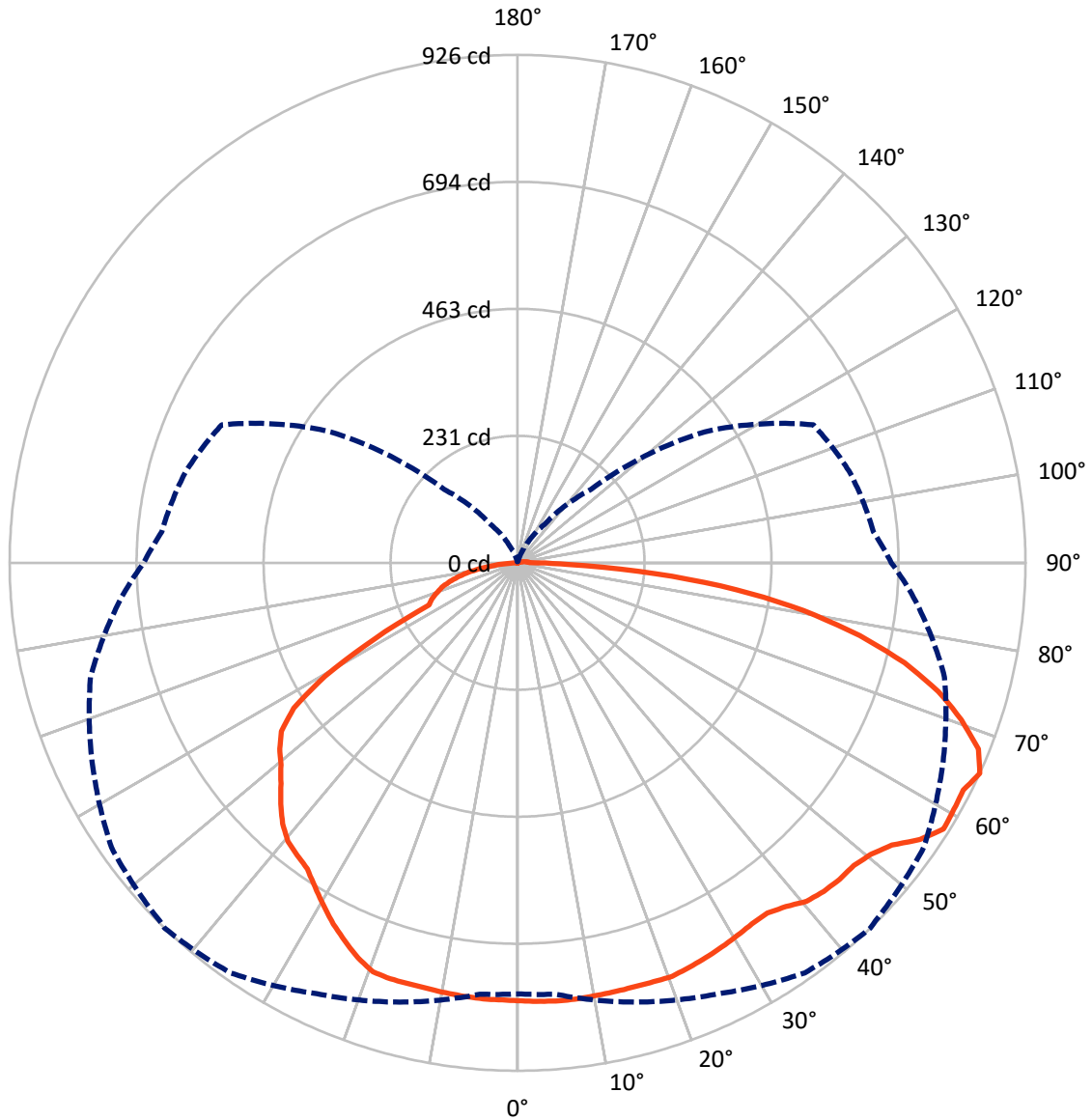
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P821342  
CATALOG NUMBER: TT-D1-750-24VDC-MQ-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P821342  
 CATALOG NUMBER: TT-D1-750-24VDC-MQ-HSS

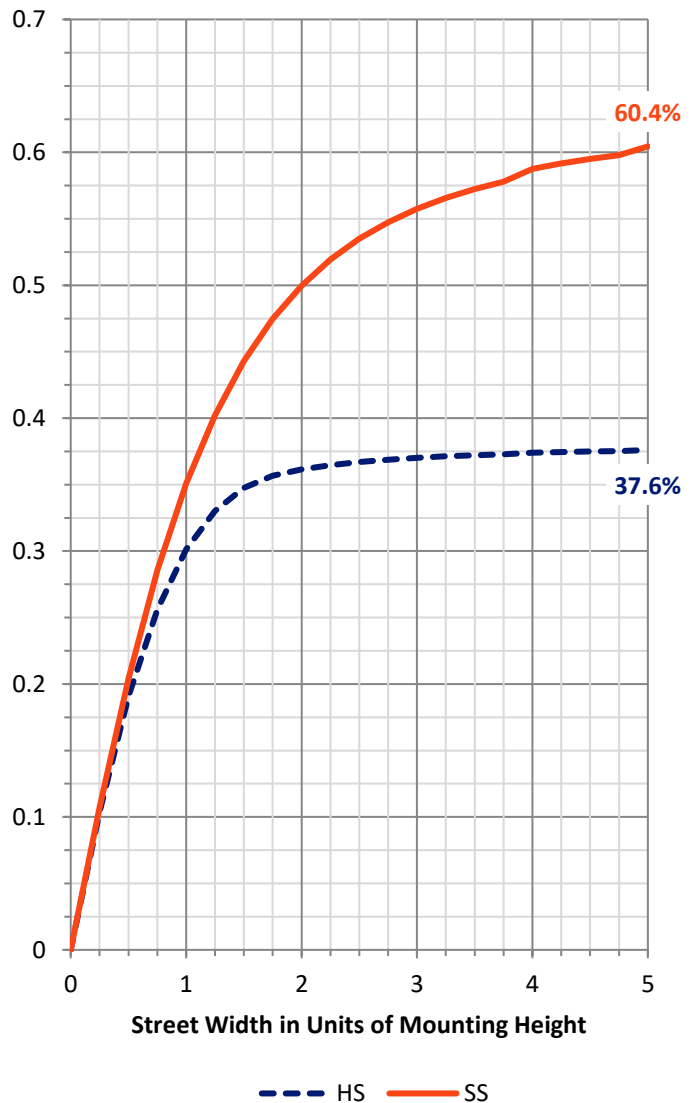
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1305.6   | 0.9    | 1306.5 |
|                    | % Fixture | 37.9     | 0.0    | 37.9   |
| <b>Street Side</b> | Lumens    | 2129.8   | 11.7   | 2141.5 |
|                    | % Fixture | 61.8     | 0.3    | 62.1   |
| <b>Total</b>       | Lumens    | 3435.4   | 12.6   | 3448.0 |
|                    | % Fixture | 99.6     | 0.4    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 76.2   | 2.2       |
| 10°-20°   | 225.6  | 6.5       |
| 20°-30°   | 359.1  | 10.4      |
| 30°-40°   | 460.0  | 13.3      |
| 40°-50°   | 545.0  | 15.8      |
| 50°-60°   | 596.9  | 17.3      |
| 60°-70°   | 567.4  | 16.5      |
| 70°-80°   | 451.7  | 13.1      |
| 80°-90°   | 153.5  | 4.5       |
| 90°-100°  | 8.1    | 0.2       |
| 100°-110° | 2.7    | 0.1       |
| 110°-120° | 0.6    | 0.0       |
| 120°-130° | 0.4    | 0.0       |
| 130°-140° | 0.3    | 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°    | 3435.4 | 99.6      |
| 0°-180°   | 3448.0 | 100.0     |

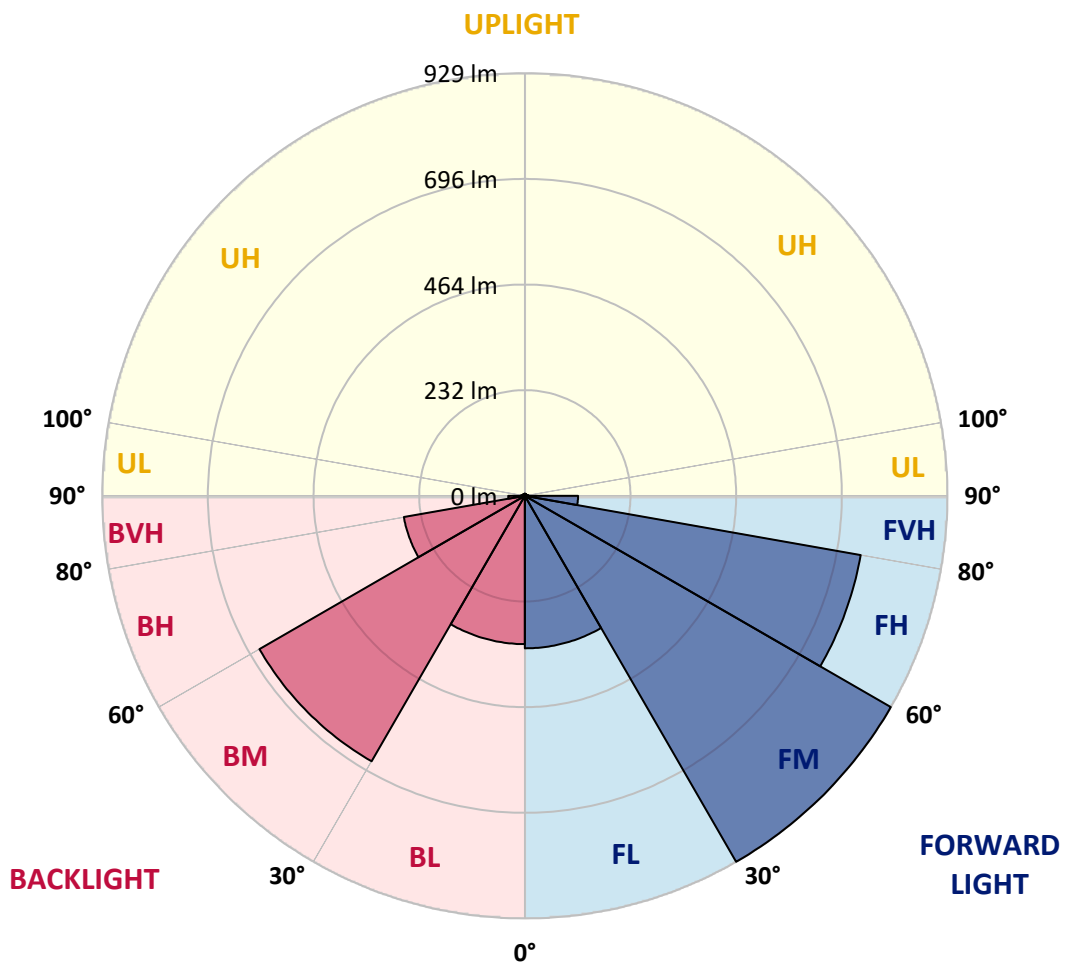


REPORT NUMBER: P821342  
 CATALOG NUMBER: TT-D1-750-24VDC-MQ-HSS

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|----------------|--------|-----------|-------------------------|-------|---------|
|                |        |           | B                       | U     | G       |
| FL (0°-30°)    | 335.1  | 9.7       |                         |       |         |
| FM (30°-60°)   | 928.5  | 26.9      |                         |       |         |
| FH (60°-80°)   | 749.3  | 21.7      |                         |       | G1/1800 |
| FVH (80°-90°)  | 116.9  | 3.4       |                         |       | G2/225  |
| BL (0°-30°)    | 325.8  | 9.4       | B1/500                  |       |         |
| BM (30°-60°)   | 673.4  | 19.5      | B1/1000                 |       |         |
| BH (60°-80°)   | 269.8  | 7.8       | B1/500                  |       | G1/500  |
| BVH (80°-90°)  | 36.6   | 1.1       |                         |       | G1/100  |
| UL (90°-100°)  | 8.1    | 0.2       |                         | U1/10 |         |
| UH (100°-180°) | 4.5    | 0.1       |                         | U1/10 |         |

**BUG Rating: B1-U1-G2**  
 Type IV Short





REPORT NUMBER: P821342

CATALOG NUMBER: TT-D1-750-24VDC-MQ-HSS

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 44°   | 45°   | 55°   | 65°   | 75°   | 85°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 |
| 2.5°   | 801.2 | 800.6 | 800.6 | 800.6 | 800.6 | 800.0 | 800.6 | 799.4 | 800.0 | 798.2 | 798.2 |
| 5°     | 803.1 | 801.8 | 802.5 | 802.5 | 802.5 | 801.8 | 802.5 | 800.6 | 801.2 | 798.8 | 798.2 |
| 7.5°   | 803.7 | 803.1 | 803.1 | 803.1 | 803.1 | 801.8 | 802.5 | 801.2 | 800.6 | 798.8 | 797.6 |
| 10°    | 803.7 | 803.1 | 803.1 | 803.1 | 802.5 | 801.2 | 801.8 | 800.0 | 800.0 | 797.6 | 796.4 |
| 12.5°  | 803.7 | 803.1 | 803.7 | 802.5 | 802.5 | 801.2 | 801.2 | 799.4 | 799.4 | 796.4 | 795.1 |
| 15°    | 803.1 | 802.5 | 802.5 | 803.1 | 802.5 | 801.2 | 801.2 | 799.4 | 798.8 | 795.1 | 793.9 |
| 17.5°  | 802.5 | 801.8 | 802.5 | 803.1 | 803.7 | 802.5 | 803.1 | 800.0 | 798.8 | 795.1 | 793.3 |
| 20°    | 803.1 | 802.5 | 803.1 | 804.3 | 804.3 | 804.3 | 804.3 | 801.2 | 798.8 | 795.1 | 792.1 |
| 22.5°  | 801.2 | 801.2 | 801.2 | 801.2 | 802.5 | 800.6 | 800.6 | 798.8 | 795.8 | 792.7 | 789.7 |
| 25°    | 797.0 | 797.0 | 797.6 | 798.2 | 798.2 | 797.0 | 796.4 | 794.5 | 792.1 | 788.4 | 784.8 |
| 27.5°  | 792.1 | 792.1 | 792.7 | 792.7 | 793.9 | 792.7 | 792.1 | 789.7 | 787.2 | 783.0 | 778.7 |
| 30°    | 786.6 | 786.6 | 786.6 | 787.8 | 788.4 | 788.4 | 787.8 | 784.8 | 781.7 | 776.9 | 771.4 |
| 32.5°  | 780.5 | 780.5 | 782.3 | 783.6 | 784.2 | 784.2 | 784.2 | 780.5 | 776.9 | 770.8 | 762.8 |
| 35°    | 775.6 | 775.6 | 778.1 | 782.3 | 784.8 | 783.6 | 783.0 | 780.5 | 775.0 | 768.3 | 755.5 |
| 37.5°  | 778.7 | 778.7 | 784.2 | 790.3 | 795.8 | 794.5 | 794.5 | 790.3 | 783.0 | 772.0 | 756.1 |
| 40°    | 786.0 | 786.6 | 795.1 | 803.1 | 809.8 | 811.0 | 811.0 | 806.1 | 795.1 | 781.1 | 759.2 |
| 42.5°  | 787.8 | 789.0 | 797.6 | 809.2 | 815.2 | 818.3 | 818.3 | 811.6 | 800.0 | 783.6 | 758.0 |
| 45°    | 787.8 | 788.4 | 798.2 | 810.4 | 820.1 | 822.6 | 822.6 | 815.2 | 800.6 | 784.8 | 753.7 |
| 47.5°  | 787.8 | 787.2 | 795.8 | 812.8 | 822.6 | 824.4 | 824.4 | 816.5 | 802.5 | 782.3 | 747.6 |
| 50°    | 786.0 | 789.0 | 801.8 | 815.2 | 832.3 | 834.7 | 834.1 | 825.6 | 806.1 | 785.4 | 742.7 |
| 52.5°  | 790.3 | 789.7 | 806.7 | 833.5 | 848.8 | 854.2 | 854.9 | 843.9 | 823.8 | 793.9 | 739.7 |
| 55°    | 807.9 | 808.5 | 825.0 | 856.1 | 879.2 | 889.6 | 888.4 | 874.4 | 845.7 | 811.0 | 748.2 |
| 57.5°  | 814.0 | 820.1 | 843.9 | 870.7 | 906.0 | 915.2 | 915.2 | 898.1 | 863.4 | 824.4 | 754.3 |
| 60°    | 801.8 | 804.3 | 833.5 | 879.2 | 911.5 | 913.3 | 914.0 | 901.8 | 865.2 | 817.1 | 742.1 |
| 62.5°  | 798.8 | 803.7 | 826.2 | 877.4 | 898.1 | 911.5 | 910.9 | 894.5 | 863.4 | 811.6 | 737.9 |
| 65°    | 785.4 | 789.0 | 828.7 | 866.4 | 912.1 | 925.5 | 922.5 | 903.6 | 855.5 | 805.5 | 724.5 |
| 67.5°  | 758.0 | 761.6 | 798.2 | 851.2 | 892.6 | 905.4 | 908.5 | 886.5 | 836.6 | 776.9 | 695.8 |
| 70°    | 712.3 | 717.8 | 754.9 | 806.7 | 850.6 | 857.9 | 856.7 | 843.3 | 793.3 | 729.3 | 653.8 |
| 72.5°  | 648.3 | 656.8 | 703.7 | 753.1 | 790.9 | 801.8 | 797.0 | 781.7 | 740.9 | 672.1 | 596.5 |
| 75°    | 580.7 | 588.6 | 625.8 | 681.2 | 720.8 | 728.1 | 724.5 | 706.2 | 664.8 | 597.1 | 528.9 |
| 77.5°  | 506.9 | 513.6 | 545.3 | 602.0 | 631.2 | 637.3 | 639.2 | 614.8 | 575.8 | 514.9 | 453.9 |
| 80°    | 407.6 | 410.7 | 453.3 | 490.5 | 516.1 | 528.3 | 527.0 | 508.8 | 469.8 | 419.2 | 358.3 |
| 82.5°  | 301.0 | 303.4 | 336.3 | 368.0 | 391.2 | 402.1 | 396.0 | 377.8 | 346.7 | 303.4 | 257.1 |
| 85°    | 184.6 | 180.4 | 207.2 | 230.9 | 244.9 | 252.3 | 246.2 | 235.8 | 208.4 | 174.3 | 142.0 |
| 87.5°  | 66.4  | 62.8  | 74.9  | 78.6  | 94.4  | 92.0  | 97.5  | 78.6  | 63.4  | 45.1  | 31.7  |
| 90°    | 29.2  | 29.2  | 28.6  | 27.4  | 25.0  | 22.5  | 21.9  | 18.3  | 13.4  | 8.5   | 3.0   |
| 92.5°  | 26.8  | 26.8  | 26.2  | 25.0  | 22.5  | 20.1  | 20.1  | 16.5  | 12.2  | 7.9   | 3.0   |
| 95°    | 22.5  | 22.5  | 21.9  | 20.7  | 18.9  | 17.1  | 17.1  | 13.4  | 10.4  | 6.7   | 2.4   |
| 97.5°  | 17.7  | 17.7  | 17.1  | 16.5  | 14.6  | 13.4  | 13.4  | 11.0  | 7.9   | 4.9   | 1.8   |
| 100°   | 13.4  | 13.4  | 12.8  | 12.2  | 11.6  | 10.4  | 9.7   | 7.9   | 6.1   | 3.7   | 1.2   |
| 102.5° | 9.7   | 9.7   | 9.7   | 9.1   | 7.9   | 7.3   | 7.3   | 6.1   | 4.3   | 3.0   | 1.2   |
| 105°   | 6.7   | 6.7   | 6.7   | 6.1   | 5.5   | 4.9   | 4.9   | 4.3   | 3.0   | 1.8   | 0.6   |
| 107.5° | 4.3   | 4.3   | 4.3   | 4.3   | 3.7   | 3.0   | 3.0   | 2.4   | 1.8   | 1.2   | 0.6   |
| 110°   | 2.4   | 1.8   | 2.4   | 2.4   | 2.4   | 1.8   | 1.8   | 1.2   | 1.2   | 0.6   | 0.6   |



REPORT NUMBER: P821342  
 CATALOG NUMBER: TT-D1-750-24VDC-MQ-HSS

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 44° | 45° | 55° | 65° | 75° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 |
| 115°   | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 117.5° | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 120°   | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 140°   | 0.0 | 0.6 | 0.6 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 142.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 145°   | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 147.5° | 0.6 | 0.6 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 150°   | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 152.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 155°   | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 157.5° | 0.6 | 0.6 | 0.6 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 160°   | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 162.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 165°   | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 167.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 170°   | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 172.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 175°   | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 177.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 180°   | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |





REPORT NUMBER: P821342

CATALOG NUMBER: TT-D1-750-24VDC-MQ-HSS

**CANDELA DISTRIBUTION (continued):**

|        | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 | 798.2 |
| 2.5°   | 798.2 | 797.6 | 797.0 | 797.6 | 797.0 | 797.0 | 796.4 | 796.4 | 795.8 | 795.8 | 795.1 |
| 5°     | 798.2 | 797.6 | 797.0 | 797.6 | 796.4 | 797.0 | 797.0 | 796.4 | 795.8 | 795.1 | 794.5 |
| 7.5°   | 797.6 | 797.6 | 796.4 | 797.0 | 795.8 | 795.8 | 795.1 | 795.1 | 794.5 | 794.5 | 793.9 |
| 10°    | 796.4 | 795.8 | 795.8 | 795.8 | 794.5 | 794.5 | 793.9 | 793.3 | 793.3 | 792.7 | 792.1 |
| 12.5°  | 795.1 | 794.5 | 793.9 | 793.9 | 793.3 | 792.7 | 792.1 | 792.1 | 791.5 | 790.9 | 790.3 |
| 15°    | 793.3 | 792.7 | 792.7 | 792.7 | 792.1 | 792.1 | 791.5 | 790.9 | 789.7 | 789.0 | 788.4 |
| 17.5°  | 792.7 | 792.1 | 792.7 | 792.7 | 792.1 | 792.7 | 791.5 | 790.3 | 789.0 | 788.4 | 787.8 |
| 20°    | 792.1 | 792.1 | 792.1 | 791.5 | 790.9 | 790.3 | 789.7 | 789.0 | 788.4 | 787.8 | 787.2 |
| 22.5°  | 789.0 | 788.4 | 787.2 | 783.6 | 779.3 | 776.3 | 775.6 | 776.9 | 776.9 | 776.9 | 775.0 |
| 25°    | 783.6 | 781.7 | 776.9 | 770.2 | 762.8 | 758.0 | 754.9 | 754.9 | 754.3 | 753.1 | 752.5 |
| 27.5°  | 776.9 | 773.2 | 764.7 | 756.1 | 745.8 | 739.7 | 732.4 | 728.1 | 726.3 | 725.7 | 724.5 |
| 30°    | 767.7 | 762.2 | 751.3 | 740.3 | 727.5 | 719.0 | 707.4 | 700.1 | 695.8 | 694.0 | 692.8 |
| 32.5°  | 756.8 | 751.3 | 738.5 | 725.1 | 709.8 | 697.7 | 683.0 | 671.5 | 663.5 | 659.9 | 658.0 |
| 35°    | 749.4 | 741.5 | 726.9 | 711.1 | 695.8 | 678.2 | 660.5 | 644.6 | 632.5 | 628.2 | 625.8 |
| 37.5°  | 746.4 | 739.1 | 723.2 | 707.4 | 690.3 | 669.0 | 648.3 | 625.8 | 609.3 | 602.0 | 599.6 |
| 40°    | 748.2 | 739.1 | 721.4 | 704.4 | 684.2 | 660.5 | 633.1 | 605.0 | 583.7 | 573.4 | 570.9 |
| 42.5°  | 744.0 | 733.6 | 712.9 | 694.6 | 669.6 | 642.8 | 609.3 | 577.0 | 548.4 | 539.8 | 536.2 |
| 45°    | 736.6 | 723.9 | 701.3 | 678.2 | 652.0 | 619.1 | 584.3 | 542.9 | 508.8 | 498.4 | 495.4 |
| 47.5°  | 729.3 | 711.7 | 684.9 | 663.5 | 631.8 | 593.5 | 552.6 | 506.3 | 463.7 | 453.3 | 451.5 |
| 50°    | 718.4 | 701.9 | 673.3 | 648.3 | 616.0 | 571.5 | 525.2 | 467.3 | 419.2 | 401.5 | 396.7 |
| 52.5°  | 713.5 | 692.2 | 664.8 | 645.3 | 606.3 | 555.7 | 497.2 | 435.0 | 365.6 | 343.6 | 338.8 |
| 55°    | 718.4 | 691.6 | 662.3 | 643.4 | 598.3 | 535.6 | 463.7 | 384.5 | 304.0 | 280.9 | 274.2 |
| 57.5°  | 709.8 | 686.7 | 657.4 | 636.1 | 577.6 | 494.1 | 414.9 | 313.2 | 229.7 | 199.9 | 197.4 |
| 60°    | 698.9 | 666.0 | 638.6 | 619.1 | 534.4 | 416.2 | 322.9 | 223.0 | 138.3 | 112.7 | 107.8 |
| 62.5°  | 694.6 | 660.5 | 628.8 | 605.0 | 476.5 | 305.9 | 196.8 | 112.7 | 57.3  | 40.2  | 36.6  |
| 65°    | 681.2 | 650.7 | 628.2 | 594.7 | 416.2 | 188.9 | 84.7  | 33.5  | 2.4   | 1.8   | 1.8   |
| 67.5°  | 655.6 | 624.5 | 609.3 | 589.8 | 410.1 | 180.4 | 76.8  | 30.5  | 1.2   | 0.0   | 0.0   |
| 70°    | 611.7 | 587.4 | 577.0 | 566.7 | 392.4 | 166.9 | 70.1  | 27.4  | 0.6   | 0.0   | 0.0   |
| 72.5°  | 553.9 | 537.4 | 535.6 | 534.4 | 366.8 | 154.2 | 62.8  | 24.4  | 0.6   | 0.0   | 0.0   |
| 75°    | 496.0 | 475.9 | 478.9 | 486.2 | 335.1 | 136.5 | 54.2  | 21.3  | 0.6   | 0.0   | 0.0   |
| 77.5°  | 422.9 | 408.2 | 415.5 | 427.7 | 293.7 | 115.8 | 44.5  | 17.1  | 0.6   | 0.0   | 0.0   |
| 80°    | 332.7 | 322.9 | 339.4 | 350.3 | 240.1 | 92.0  | 33.5  | 12.2  | 0.0   | 0.0   | 0.0   |
| 82.5°  | 236.4 | 230.9 | 246.2 | 260.2 | 178.5 | 65.2  | 23.2  | 7.9   | 0.0   | 0.0   | 0.0   |
| 85°    | 127.3 | 124.3 | 138.9 | 154.2 | 107.2 | 37.2  | 11.6  | 3.7   | 0.0   | 0.0   | 0.0   |
| 87.5°  | 31.7  | 29.2  | 29.9  | 35.9  | 26.2  | 7.9   | 1.8   | 0.6   | 0.0   | 0.0   | 0.0   |
| 90°    | 0.6   | 0.6   | 0.6   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 0.6   | 0.6   | 0.6   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 0.6   | 0.6   | 0.6   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 100°   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 102.5° | 0.6   | 0.6   | 0.6   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 105°   | 0.6   | 0.6   | 0.6   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 107.5° | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 110°   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P821342  
 CATALOG NUMBER: TT-D1-750-24VDC-MQ-HSS

**CANDELA DISTRIBUTION (continued):**

|        | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.6 | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |

(END OF REPORT)