

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: P821470

Luminaire Tested: **TT-D1-735-12VDC-CQ-HSS**

Issue Date: 12/2/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P821470  
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-D1-735-12VDC-CQ-HSS  
Description: TOPTIER LED PARKING GARAGE LUMINAIRE  
3500K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

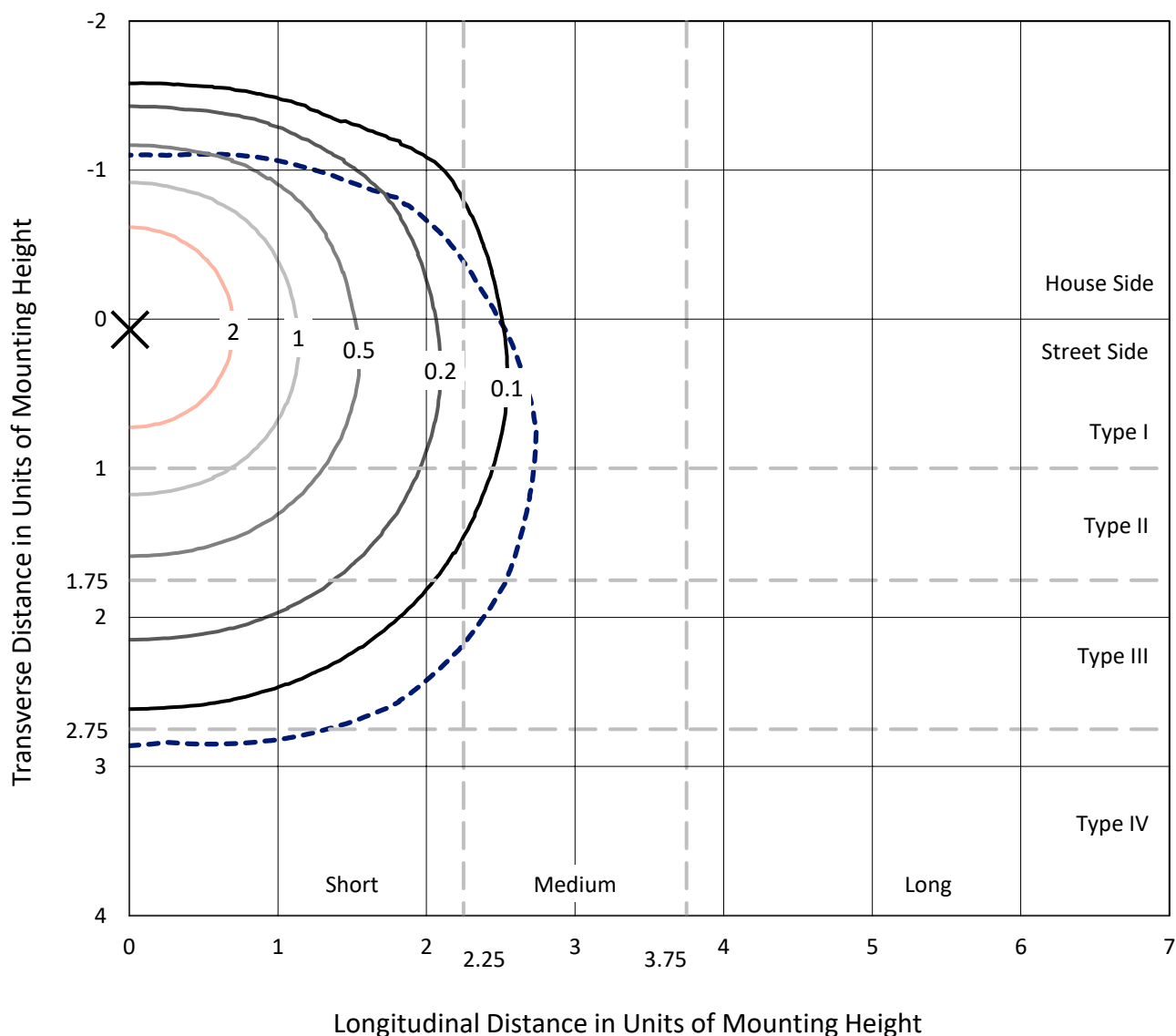
Lumens per Lamp: N/A  
Luminaire Lumens: 3062.1 lumens  
Efficiency: N/A  
Efficacy: 109.4 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U1 - G1

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

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## Iso-Footcandle Lines of Horizontal Illumination

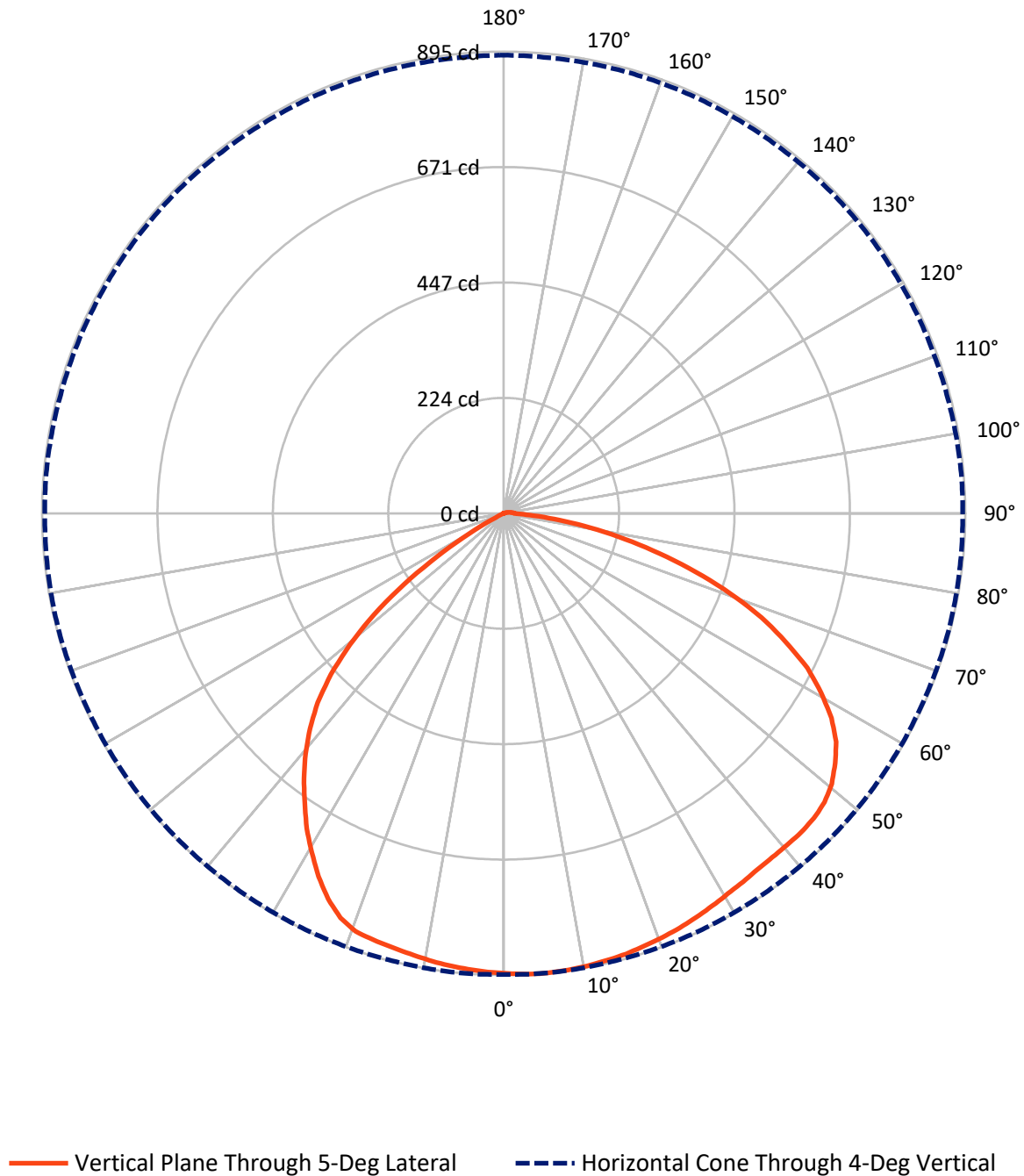
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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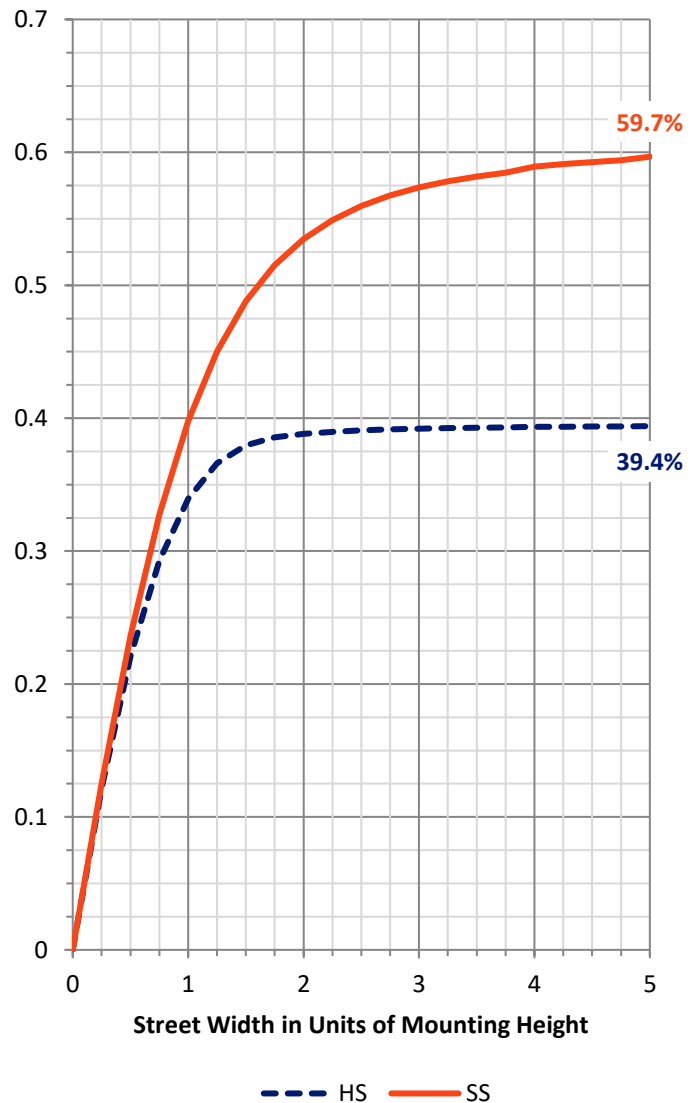
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1213.4   | 1.6    | 1215.1 |
|                    | % Fixture | 39.6     | 0.1    | 39.7   |
| <b>Street Side</b> | Lumens    | 1838.5   | 8.6    | 1847.0 |
|                    | % Fixture | 60.0     | 0.3    | 60.3   |
| <b>Total</b>       | Lumens    | 3051.9   | 10.2   | 3062.1 |
|                    | % Fixture | 99.7     | 0.3    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 84.8   | 2.8       |
| 10°-20°   | 248.2  | 8.1       |
| 20°-30°   | 391.1  | 12.8      |
| 30°-40°   | 497.7  | 16.3      |
| 40°-50°   | 574.9  | 18.8      |
| 50°-60°   | 562.9  | 18.4      |
| 60°-70°   | 419.2  | 13.7      |
| 70°-80°   | 227.1  | 7.4       |
| 80°-90°   | 46.0   | 1.5       |
| 90°-100°  | 5.8    | 0.2       |
| 100°-110° | 2.3    | 0.1       |
| 110°-120° | 0.7    | 0.0       |
| 120°-130° | 0.5    | 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°    | 3051.9 | 99.7      |
| 0°-180°   | 3062.1 | 100.0     |

**Coefficient of Utilization**



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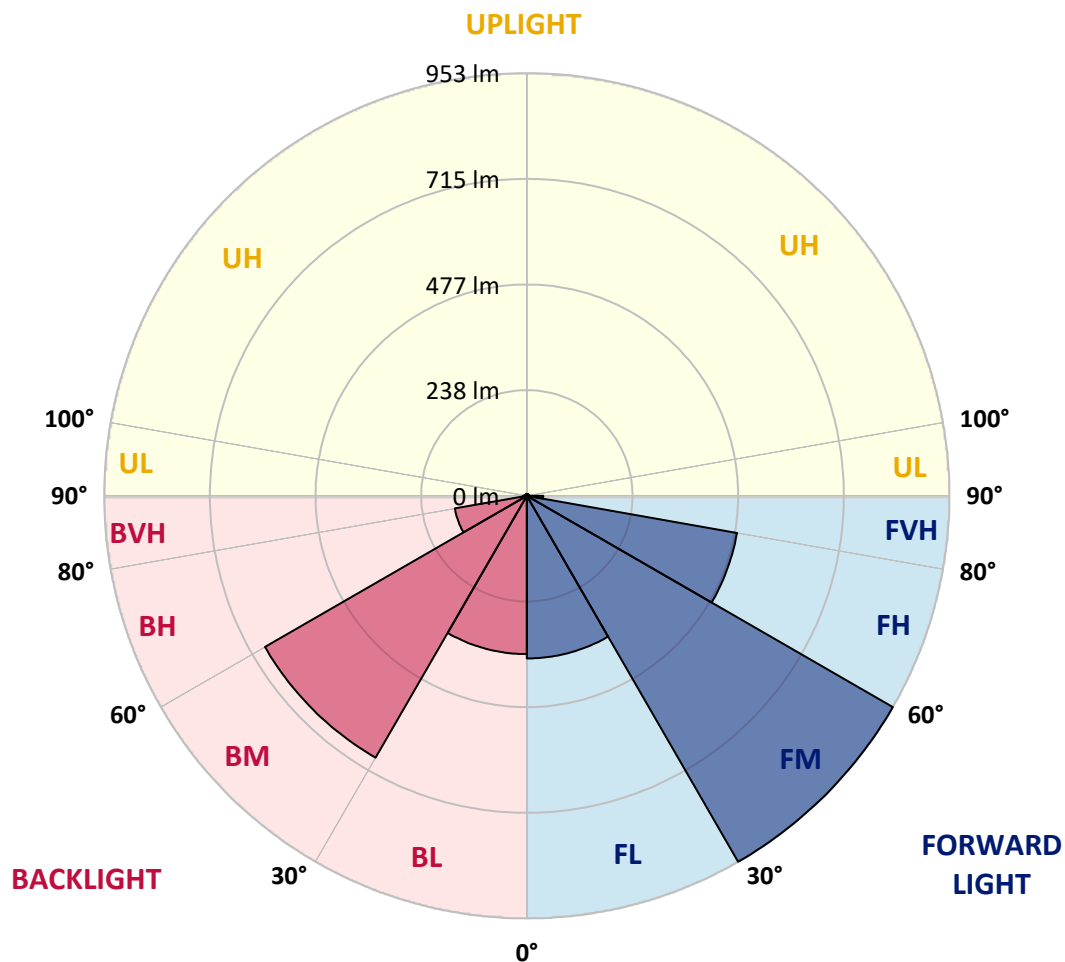
CATALOG NUMBER: TT-D1-735-12VDC-CQ-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |        |
|------|-------------|--------|-----------|-------------------------|-------|--------|
|      |             |        |           | B                       | U     | G      |
| FL   | (0°-30°)    | 366.9  | 12.0      |                         |       |        |
| FM   | (30°-60°)   | 953.4  | 31.1      |                         |       |        |
| FH   | (60°-80°)   | 481.4  | 15.7      |                         |       | G0/660 |
| FVH  | (80°-90°)   | 36.8   | 1.2       |                         |       | G1/100 |
| BL   | (0°-30°)    | 357.1  | 11.7      | B1/500                  |       |        |
| BM   | (30°-60°)   | 682.1  | 22.3      | B1/1000                 |       |        |
| BH   | (60°-80°)   | 164.9  | 5.4       | B1/500                  |       | G1/500 |
| BVH  | (80°-90°)   | 9.3    | 0.3       |                         |       | G0/10  |
| UL   | (90°-100°)  | 5.8    | 0.2       |                         | U1/10 |        |
| UH   | (100°-180°) | 4.4    | 0.1       |                         | U1/10 |        |

**BUG Rating: B1-U1-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 |
| 2.5°   | 893.0 | 894.1 | 893.6 | 893.6 | 892.4 | 893.0 | 892.4 | 892.4 | 891.8 | 891.3 | 891.3 |
| 4°     | 893.6 | 894.7 | 893.6 | 893.6 | 893.0 | 893.0 | 892.4 | 891.3 | 891.8 | 890.1 | 889.5 |
| 5°     | 894.1 | 894.7 | 894.1 | 894.1 | 893.0 | 892.4 | 891.3 | 891.3 | 890.7 | 889.5 | 889.5 |
| 7.5°   | 893.0 | 893.6 | 893.6 | 893.0 | 891.8 | 890.7 | 890.1 | 889.5 | 889.0 | 887.2 | 887.2 |
| 10°    | 890.7 | 891.8 | 890.7 | 890.7 | 890.1 | 889.0 | 887.2 | 886.6 | 884.9 | 883.8 | 883.2 |
| 12.5°  | 888.4 | 889.0 | 888.4 | 888.4 | 887.2 | 885.5 | 884.9 | 883.8 | 881.5 | 879.7 | 879.7 |
| 15°    | 884.9 | 886.1 | 885.5 | 884.9 | 884.3 | 882.6 | 880.9 | 879.2 | 877.4 | 875.7 | 875.7 |
| 17.5°  | 880.9 | 881.5 | 882.0 | 881.5 | 880.3 | 879.2 | 877.4 | 875.1 | 873.4 | 871.7 | 871.1 |
| 20°    | 876.3 | 877.4 | 877.4 | 877.4 | 876.3 | 875.1 | 872.8 | 870.5 | 869.4 | 867.1 | 866.5 |
| 22.5°  | 871.7 | 872.8 | 872.3 | 872.8 | 872.3 | 870.5 | 868.2 | 865.9 | 863.6 | 861.9 | 860.7 |
| 25°    | 867.1 | 867.1 | 867.1 | 867.1 | 867.1 | 864.8 | 862.5 | 859.6 | 857.3 | 854.4 | 854.4 |
| 27.5°  | 861.3 | 861.3 | 861.9 | 861.9 | 861.3 | 859.6 | 856.7 | 853.3 | 849.8 | 846.9 | 845.8 |
| 30°    | 856.1 | 855.6 | 856.7 | 857.9 | 857.3 | 855.6 | 852.1 | 848.1 | 842.9 | 838.9 | 835.4 |
| 32.5°  | 849.8 | 851.5 | 852.7 | 855.0 | 855.6 | 853.3 | 849.2 | 844.0 | 838.9 | 831.4 | 825.0 |
| 35°    | 847.5 | 847.5 | 850.4 | 853.8 | 855.0 | 853.8 | 848.1 | 842.3 | 834.8 | 823.9 | 816.4 |
| 37.5°  | 845.2 | 845.8 | 850.4 | 855.6 | 857.3 | 857.3 | 851.0 | 843.5 | 833.1 | 817.6 | 808.3 |
| 40°    | 844.0 | 845.2 | 851.0 | 858.4 | 863.0 | 862.5 | 855.0 | 845.8 | 833.1 | 813.0 | 801.4 |
| 42.5°  | 842.9 | 845.2 | 851.5 | 861.9 | 868.8 | 868.2 | 860.2 | 848.1 | 832.0 | 807.2 | 794.0 |
| 45°    | 841.2 | 842.9 | 851.5 | 864.8 | 874.0 | 875.7 | 866.5 | 851.0 | 832.0 | 802.0 | 784.7 |
| 47.5°  | 836.0 | 836.6 | 848.1 | 863.6 | 877.4 | 879.7 | 870.5 | 852.1 | 829.6 | 793.4 | 773.2 |
| 50°    | 822.2 | 823.9 | 837.1 | 857.9 | 874.0 | 877.4 | 869.4 | 849.2 | 823.9 | 779.0 | 754.8 |
| 52.5°  | 804.3 | 804.3 | 820.4 | 843.5 | 863.0 | 868.8 | 861.3 | 838.9 | 809.5 | 757.7 | 730.0 |
| 55°    | 777.8 | 781.9 | 798.6 | 822.7 | 844.0 | 852.1 | 841.7 | 819.9 | 785.9 | 730.6 | 700.1 |
| 57.5°  | 747.9 | 749.0 | 766.3 | 795.1 | 817.0 | 822.2 | 813.5 | 787.6 | 754.8 | 698.4 | 662.1 |
| 60°    | 704.7 | 707.0 | 728.9 | 754.2 | 777.8 | 784.7 | 773.8 | 747.9 | 713.3 | 656.9 | 620.1 |
| 62.5°  | 656.9 | 660.4 | 680.0 | 705.9 | 728.3 | 739.3 | 726.0 | 699.0 | 665.0 | 607.4 | 575.2 |
| 65°    | 599.4 | 600.5 | 621.8 | 651.2 | 673.6 | 677.7 | 666.1 | 639.7 | 605.7 | 550.4 | 521.6 |
| 67.5°  | 533.1 | 538.9 | 559.6 | 581.5 | 601.1 | 605.7 | 597.6 | 567.1 | 540.0 | 491.1 | 462.9 |
| 70°    | 469.2 | 466.4 | 483.6 | 505.5 | 523.4 | 527.4 | 518.2 | 490.0 | 464.6 | 418.6 | 396.7 |
| 72.5°  | 392.1 | 389.8 | 408.2 | 424.9 | 442.2 | 439.9 | 430.7 | 408.2 | 386.3 | 347.2 | 327.0 |
| 75°    | 314.4 | 312.1 | 326.4 | 340.8 | 349.5 | 350.6 | 344.3 | 327.6 | 304.0 | 273.5 | 257.9 |
| 77.5°  | 238.4 | 240.7 | 247.0 | 259.1 | 267.1 | 270.6 | 259.7 | 243.0 | 228.0 | 204.4 | 192.9 |
| 80°    | 169.8 | 170.4 | 172.7 | 181.4 | 187.1 | 187.1 | 181.9 | 168.7 | 152.0 | 135.3 | 129.5 |
| 82.5°  | 107.1 | 109.4 | 109.4 | 118.0 | 118.0 | 113.4 | 111.1 | 102.5 | 93.8  | 80.6  | 72.5  |
| 85°    | 58.7  | 57.6  | 61.0  | 61.6  | 61.0  | 57.6  | 54.1  | 48.9  | 43.2  | 34.0  | 30.5  |
| 87.5°  | 25.9  | 25.3  | 25.3  | 25.3  | 24.8  | 22.5  | 19.0  | 15.0  | 10.4  | 6.3   | 4.6   |
| 90°    | 20.2  | 20.2  | 19.6  | 18.4  | 16.7  | 15.0  | 12.1  | 9.2   | 5.8   | 2.3   | 1.2   |
| 92.5°  | 18.4  | 18.4  | 17.8  | 17.3  | 15.5  | 13.8  | 10.9  | 8.1   | 5.2   | 2.3   | 1.2   |
| 95°    | 16.1  | 15.5  | 15.5  | 14.4  | 13.2  | 11.5  | 9.8   | 6.9   | 4.6   | 1.7   | 1.2   |
| 97.5°  | 13.2  | 12.7  | 12.7  | 12.1  | 10.9  | 9.2   | 8.1   | 5.8   | 4.0   | 1.7   | 1.2   |
| 100°   | 9.8   | 10.4  | 9.8   | 9.2   | 8.6   | 7.5   | 6.3   | 4.6   | 2.9   | 1.2   | 1.2   |
| 102.5° | 7.5   | 7.5   | 6.9   | 6.9   | 6.3   | 5.8   | 4.6   | 3.5   | 2.3   | 1.2   | 0.6   |
| 105°   | 5.2   | 5.2   | 5.2   | 4.6   | 4.6   | 4.0   | 3.5   | 2.3   | 1.7   | 1.2   | 0.6   |
| 107.5° | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 2.3   | 1.7   | 1.2   | 0.6   | 0.6   |



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 CATALOG NUMBER: TT-D1-735-12VDC-CQ-HSS

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110°   | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 |
| 112.5° | 0.6 | 0.6 | 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 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 117.5° | 0.0 | 0.0 | 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 | 0.0 | 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 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 145°   | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 147.5° | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 150°   | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 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 |

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**CANDELA DISTRIBUTION (continued):**

|        | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 | 891.8 |
| 2.5°   | 890.7 | 889.0 | 890.1 | 889.5 | 890.1 | 889.0 | 889.0 | 889.0 | 889.5 | 888.4 |
| 4°     | 890.1 | 889.0 | 889.0 | 889.0 | 889.0 | 887.8 | 887.8 | 887.8 | 887.2 | 887.8 |
| 5°     | 889.0 | 888.4 | 887.8 | 887.2 | 887.8 | 886.6 | 886.1 | 886.1 | 886.1 | 886.6 |
| 7.5°   | 886.6 | 884.9 | 884.9 | 883.2 | 883.8 | 883.2 | 882.6 | 883.2 | 882.6 | 882.6 |
| 10°    | 882.6 | 881.5 | 880.9 | 879.7 | 879.7 | 878.6 | 878.0 | 878.0 | 878.0 | 877.4 |
| 12.5°  | 878.6 | 877.4 | 876.9 | 875.7 | 875.1 | 874.0 | 873.4 | 874.0 | 872.8 | 872.8 |
| 15°    | 874.0 | 872.8 | 872.3 | 872.3 | 871.1 | 870.0 | 869.4 | 868.2 | 868.2 | 868.2 |
| 17.5°  | 870.0 | 868.8 | 869.4 | 868.2 | 867.6 | 866.5 | 866.5 | 864.2 | 864.2 | 863.6 |
| 20°    | 865.9 | 864.8 | 864.8 | 864.2 | 864.2 | 863.0 | 861.3 | 860.2 | 859.6 | 859.6 |
| 22.5°  | 860.7 | 859.0 | 856.1 | 852.1 | 849.8 | 848.1 | 847.5 | 845.8 | 845.2 | 844.0 |
| 25°    | 852.7 | 848.1 | 841.7 | 834.8 | 827.9 | 824.5 | 823.3 | 821.0 | 821.0 | 821.0 |
| 27.5°  | 842.9 | 834.3 | 825.6 | 815.3 | 804.9 | 798.0 | 793.4 | 791.1 | 789.9 | 789.9 |
| 30°    | 830.2 | 819.3 | 807.2 | 794.0 | 782.4 | 769.8 | 761.7 | 757.1 | 754.8 | 755.4 |
| 32.5°  | 818.7 | 804.9 | 791.1 | 774.4 | 758.8 | 743.9 | 730.0 | 723.1 | 720.3 | 719.1 |
| 35°    | 807.2 | 791.6 | 775.0 | 757.1 | 737.0 | 715.1 | 696.7 | 686.3 | 680.5 | 681.1 |
| 37.5°  | 798.6 | 780.1 | 761.7 | 739.8 | 716.8 | 690.3 | 666.7 | 650.0 | 643.1 | 644.3 |
| 40°    | 789.3 | 768.6 | 748.5 | 723.1 | 696.1 | 664.4 | 633.9 | 611.4 | 603.4 | 601.7 |
| 42.5°  | 780.7 | 756.5 | 733.5 | 706.4 | 672.5 | 636.8 | 599.4 | 572.9 | 560.8 | 559.0 |
| 45°    | 769.8 | 742.7 | 718.0 | 686.9 | 649.4 | 605.1 | 561.4 | 526.8 | 514.1 | 509.0 |
| 47.5°  | 755.4 | 725.4 | 697.8 | 662.1 | 621.2 | 571.1 | 516.4 | 473.8 | 457.7 | 453.7 |
| 50°    | 734.1 | 699.5 | 671.3 | 631.0 | 581.5 | 526.2 | 465.2 | 412.8 | 391.5 | 388.6 |
| 52.5°  | 705.9 | 670.7 | 639.1 | 593.0 | 532.6 | 467.5 | 398.4 | 344.3 | 319.5 | 317.8 |
| 55°    | 671.9 | 633.9 | 599.4 | 547.5 | 476.7 | 401.3 | 329.3 | 260.8 | 236.6 | 233.8 |
| 57.5°  | 632.2 | 593.0 | 555.6 | 491.7 | 409.9 | 325.9 | 242.4 | 176.8 | 153.7 | 148.0 |
| 60°    | 588.4 | 548.1 | 506.1 | 428.4 | 320.1 | 230.9 | 146.8 | 93.8  | 76.6  | 70.8  |
| 62.5°  | 545.8 | 502.0 | 457.7 | 352.9 | 219.4 | 131.8 | 66.8  | 27.1  | 17.3  | 16.7  |
| 65°    | 495.7 | 454.3 | 408.8 | 284.4 | 138.8 | 59.3  | 19.6  | 0.6   | 0.0   | 0.0   |
| 67.5°  | 437.6 | 402.4 | 362.1 | 254.5 | 122.6 | 51.8  | 16.7  | 0.6   | 0.0   | 0.0   |
| 70°    | 375.4 | 347.8 | 312.1 | 218.8 | 105.4 | 43.8  | 14.4  | 0.0   | 0.0   | 0.0   |
| 72.5°  | 309.8 | 286.1 | 259.7 | 181.9 | 87.5  | 36.3  | 11.5  | 0.0   | 0.0   | 0.0   |
| 75°    | 243.0 | 228.0 | 204.4 | 143.9 | 67.9  | 27.6  | 8.6   | 0.0   | 0.0   | 0.0   |
| 77.5°  | 180.2 | 168.1 | 150.8 | 105.9 | 51.2  | 20.2  | 6.3   | 0.0   | 0.0   | 0.0   |
| 80°    | 121.5 | 112.3 | 102.5 | 72.0  | 34.5  | 13.2  | 4.0   | 0.0   | 0.0   | 0.0   |
| 82.5°  | 70.8  | 63.9  | 57.6  | 40.9  | 19.0  | 7.5   | 1.7   | 0.0   | 0.0   | 0.0   |
| 85°    | 28.8  | 26.5  | 25.3  | 17.3  | 7.5   | 2.3   | 0.6   | 0.0   | 0.0   | 0.0   |
| 87.5°  | 3.5   | 2.9   | 2.9   | 1.7   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°    | 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   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.0   |
| 100°   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 102.5° | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 105°   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 107.5° | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |



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 CATALOG NUMBER: TT-D1-735-12VDC-CQ-HSS

**CANDELA DISTRIBUTION (continued):**

|        | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 110°   | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 112.5° | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 115°   | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 117.5° | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 120°   | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 122.5° | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 125°   | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 127.5° | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 130°   | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 132.5° | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 135°   | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 137.5° | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  |
| 140°   | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  |
| 142.5° | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 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  |
| 147.5° | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.0  | 0.0  | 0.0  | 0.6  |
| 150°   | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 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  |
| 155°   | 0.6 | 0.6  | 0.6  | 0.6  | 0.6  | 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  |
| 160°   | 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  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 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  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 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  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 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  | 0.0  | 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  |

(END OF REPORT)