

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: P821339

Luminaire Tested: **TT-D1-735-12VDC-5CQ-PM-HSS**

Issue Date: 12/2/2020



Test Information

Test Method: LM-79-08
Report Number: P821339
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-5CQ-PM-HSS
Description: TOPTIER LED SITE LUMINAIRE
3500K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

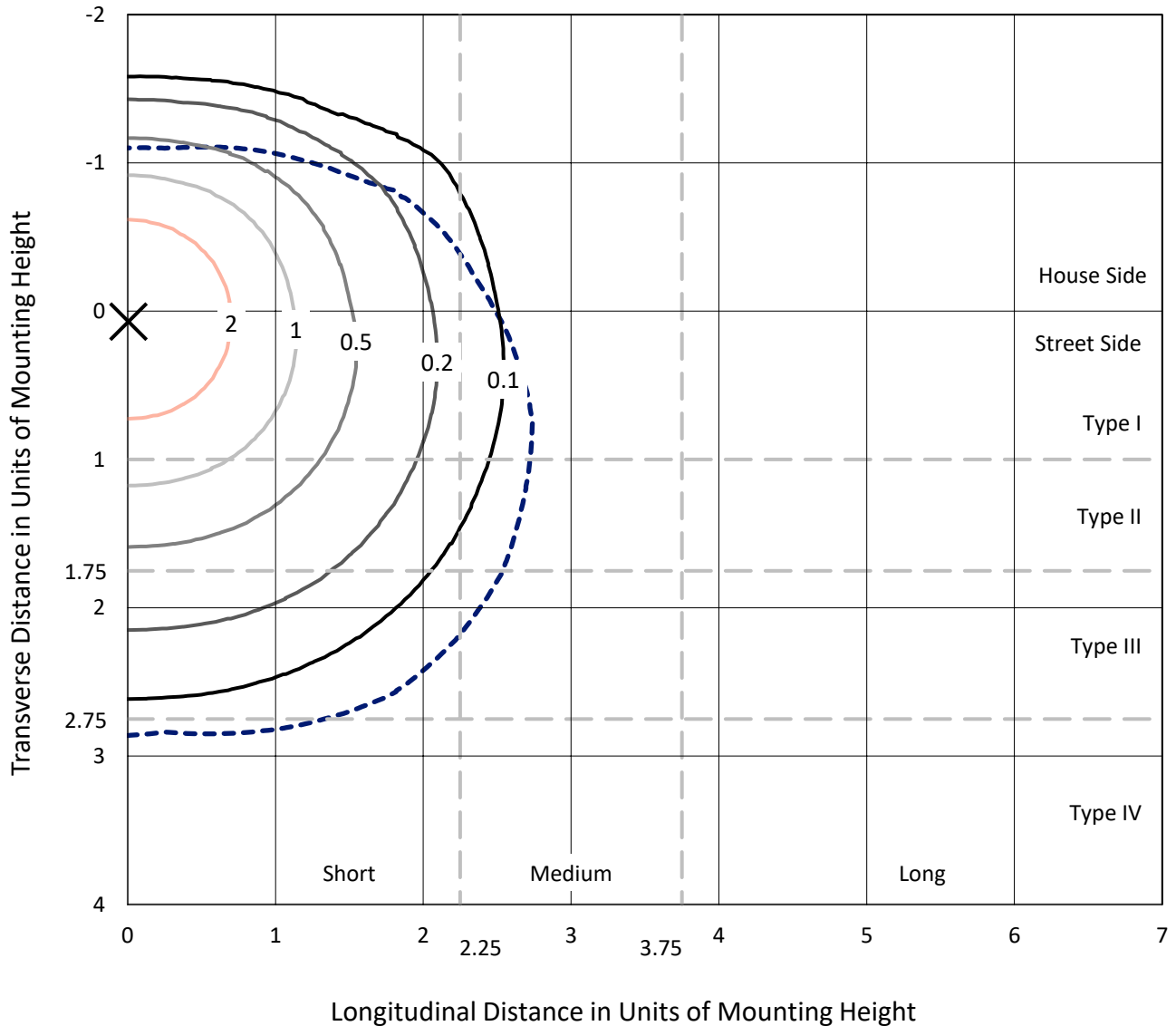
Lumens per Lamp: N/A
Luminaire Lumens: 3062.1 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - G1

Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): 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

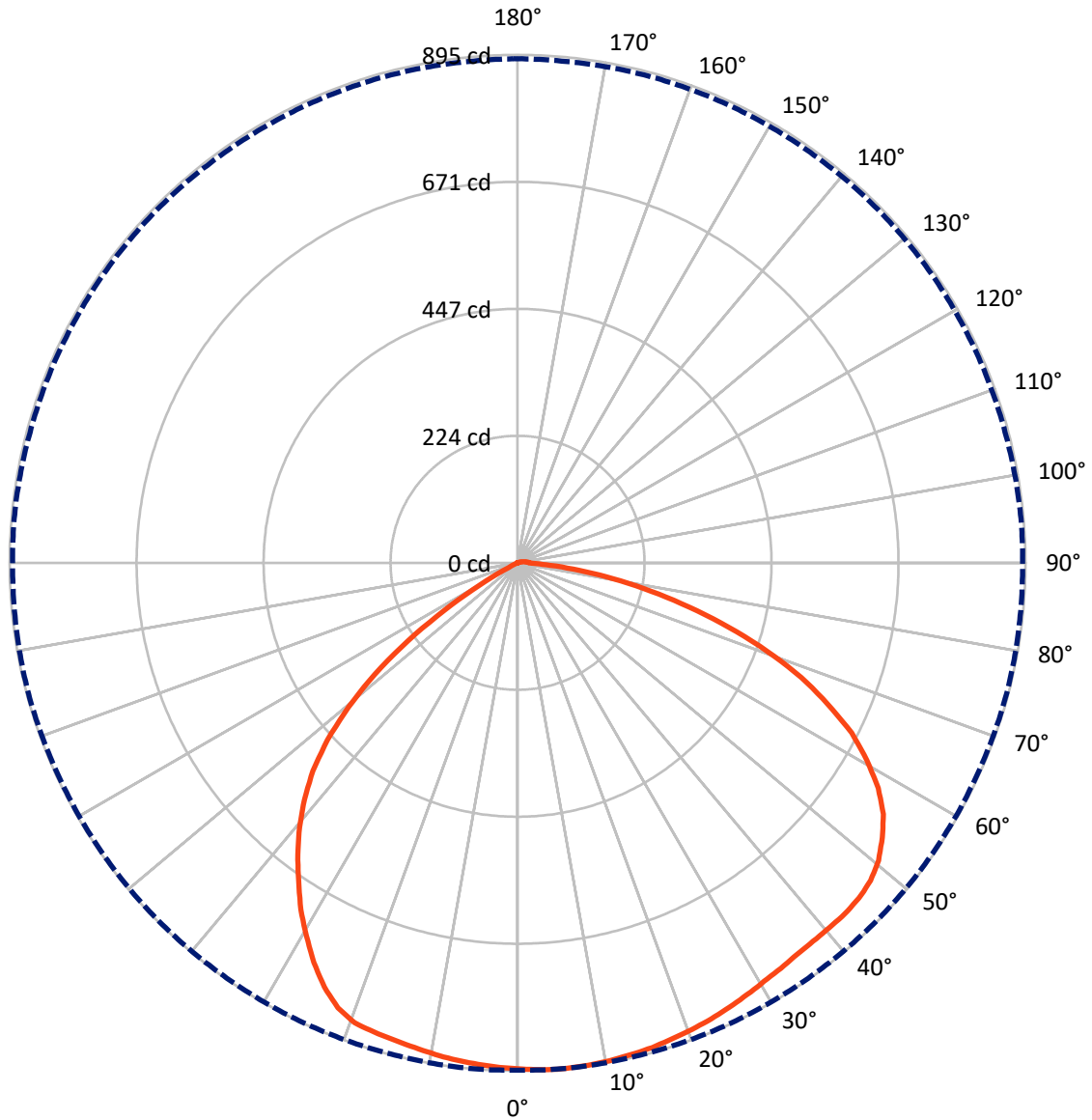
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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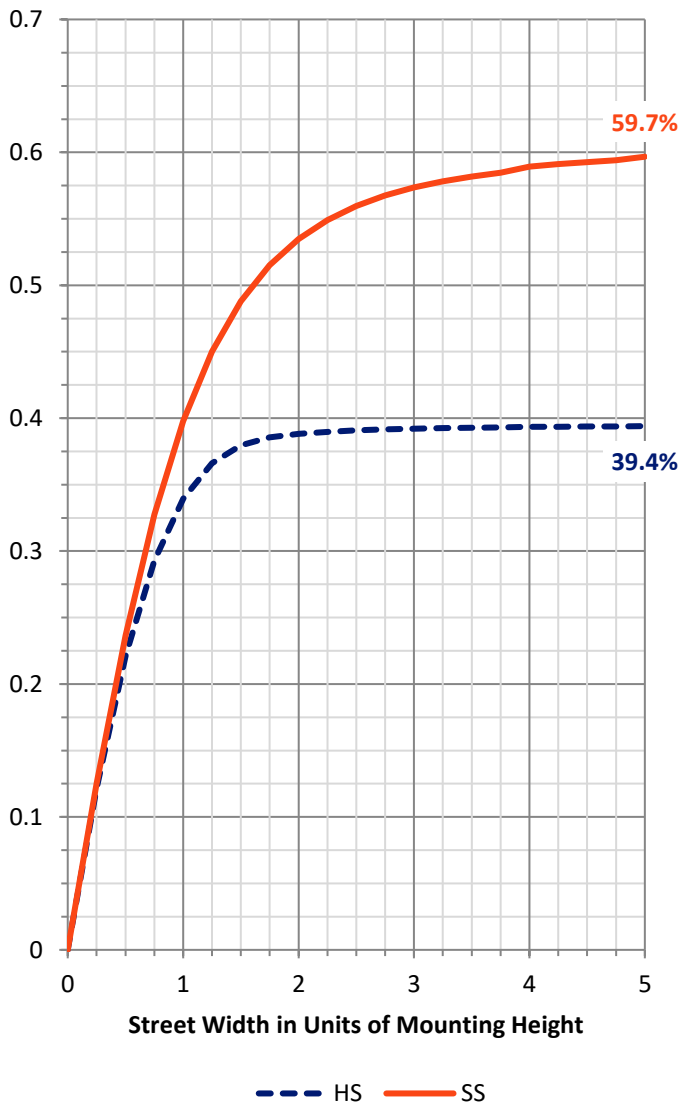
FLUX DISTRIBUTION:

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

Coefficient of Utilization

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 |

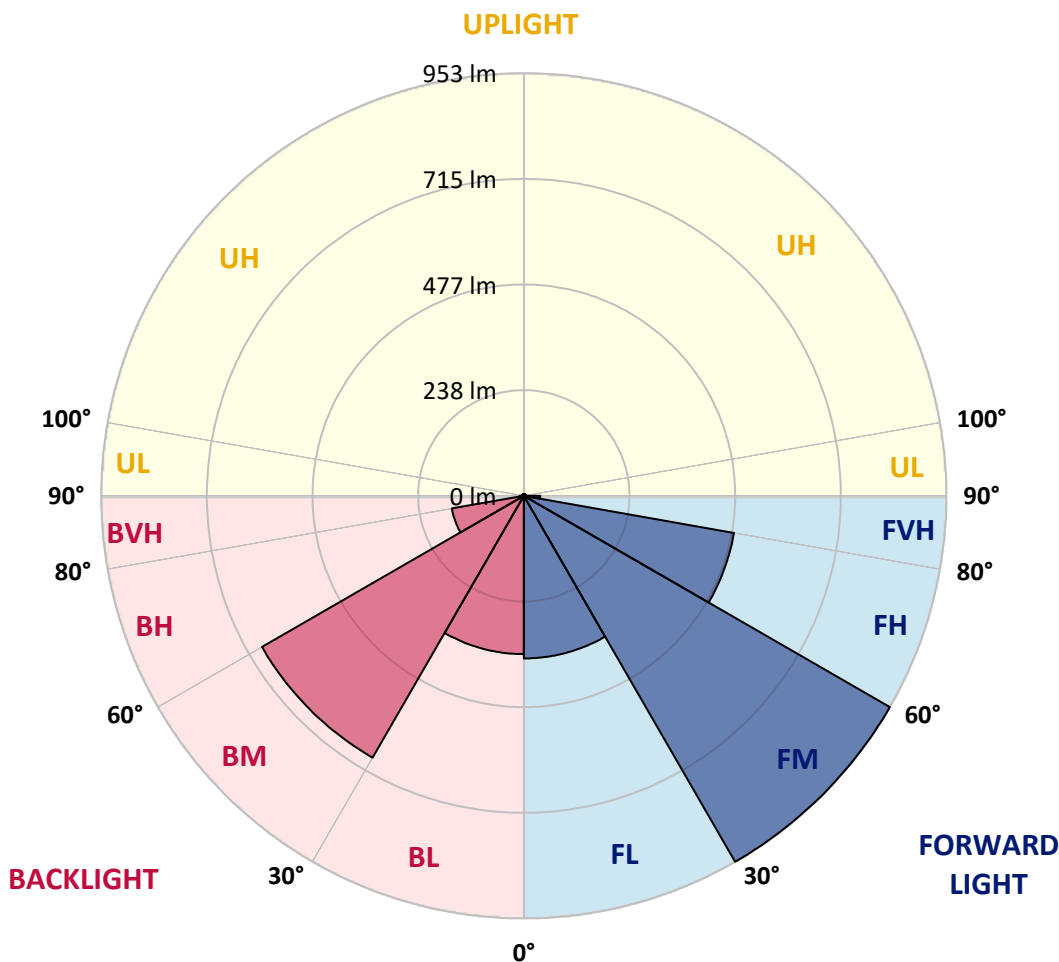


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|-------|--------|
| | | | B | U | G |
| FL (0°-30°) | 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





REPORT NUMBER: P821339

CATALOG NUMBER: TT-D1-735-12VDC-5CQ-PM-HSS

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-5CQ-PM-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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CATALOG NUMBER: TT-D1-735-12VDC-5CQ-PM-HSS

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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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)