

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: P821421

Luminaire Tested: **TT-D5-750-12VDC-5WQ-PM-HSS**

Issue Date: 12/2/2020



Test Information

Test Method: LM-79-08
Report Number: P821421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-017-2)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D5-750-12VDC-5WQ-PM-HSS
Description: TOPTIER LED SITE LUMINAIRE
5000K, 70 CRI LEDS AND WIDE DISTRIBUTION WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

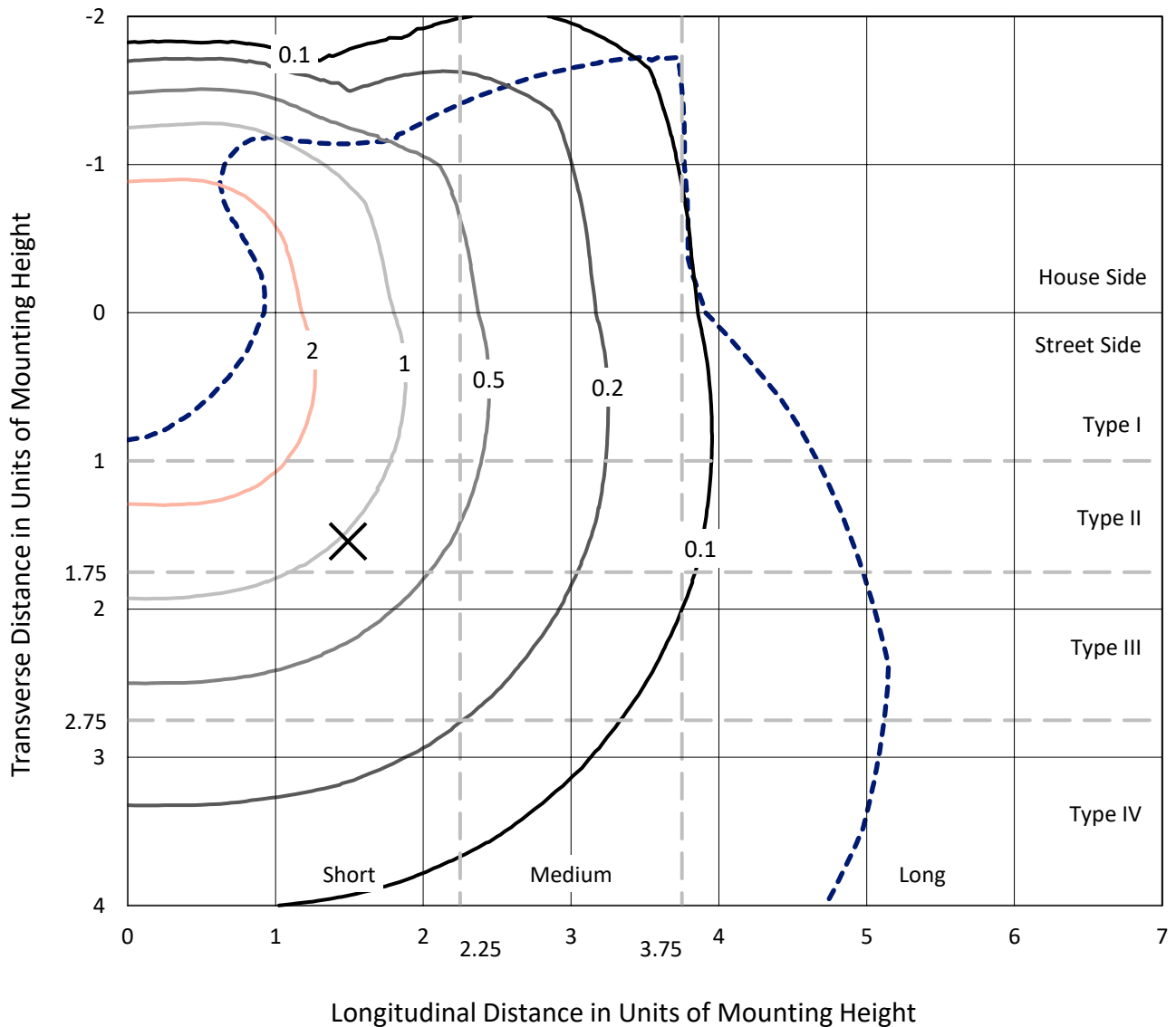
Lumens per Lamp: N/A
Luminaire Lumens: 7674 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U2 - G3

Input Watts (W): 73
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

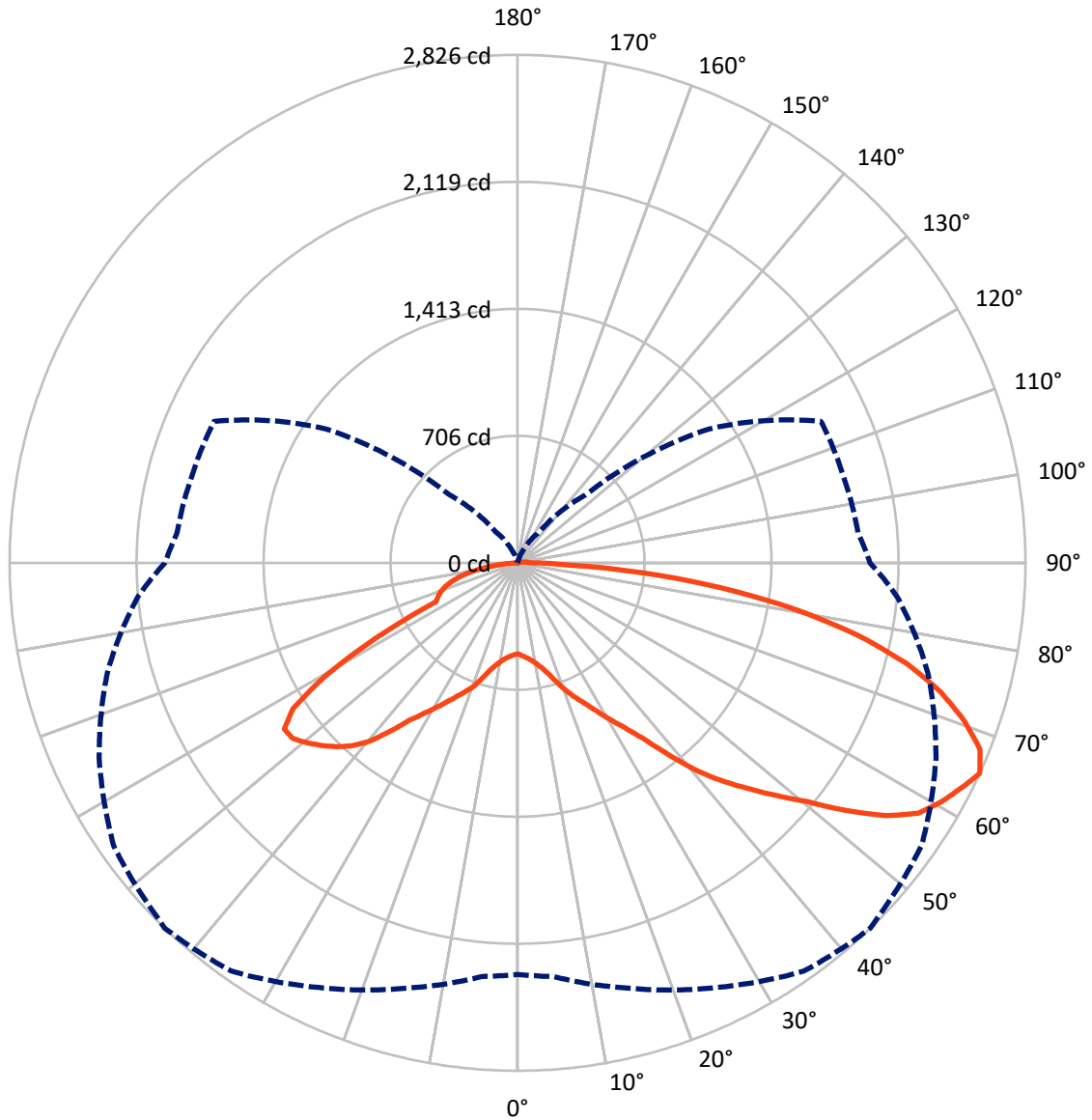
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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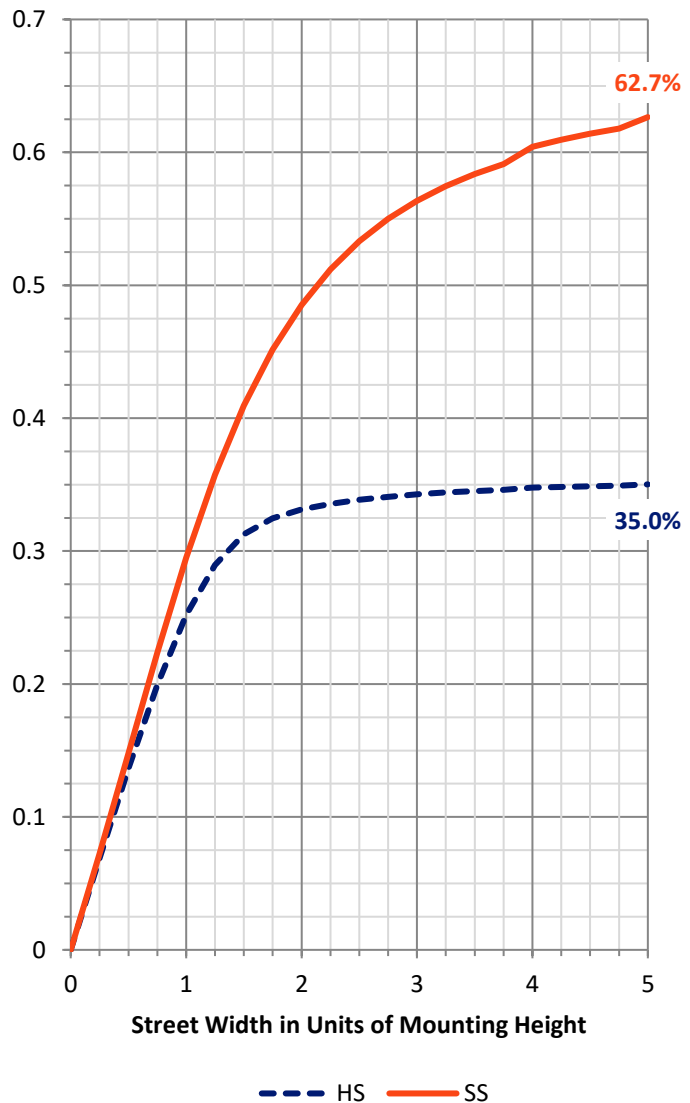
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2702.9 | 1.8 | 2704.7 |
| | % Fixture | 35.2 | 0.0 | 35.2 |
| Street Side | Lumens | 4938.2 | 31.1 | 4969.3 |
| | % Fixture | 64.3 | 0.4 | 64.8 |
| Total | Lumens | 7641.2 | 32.9 | 7674.0 |
| | % Fixture | 99.6 | 0.4 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 51.3 | 0.7 |
| 10°-20° | 182.3 | 2.4 |
| 20°-30° | 390.6 | 5.1 |
| 30°-40° | 707.4 | 9.2 |
| 40°-50° | 1180.4 | 15.4 |
| 50°-60° | 1635.0 | 21.3 |
| 60°-70° | 1694.4 | 22.1 |
| 70°-80° | 1363.6 | 17.8 |
| 80°-90° | 436.2 | 5.7 |
| 90°-100° | 22.1 | 0.3 |
| 100°-110° | 7.1 | 0.1 |
| 110°-120° | 1.4 | 0.0 |
| 120°-130° | 0.9 | 0.0 |
| 130°-140° | 0.6 | 0.0 |
| 140°-150° | 0.5 | 0.0 |
| 150°-160° | 0.2 | 0.0 |
| 160°-170° | 0.2 | 0.0 |
| 170°-180° | 0.1 | 0.0 |
| 0°-90° | 7641.2 | 99.6 |
| 0°-180° | 7674.0 | 100.0 |

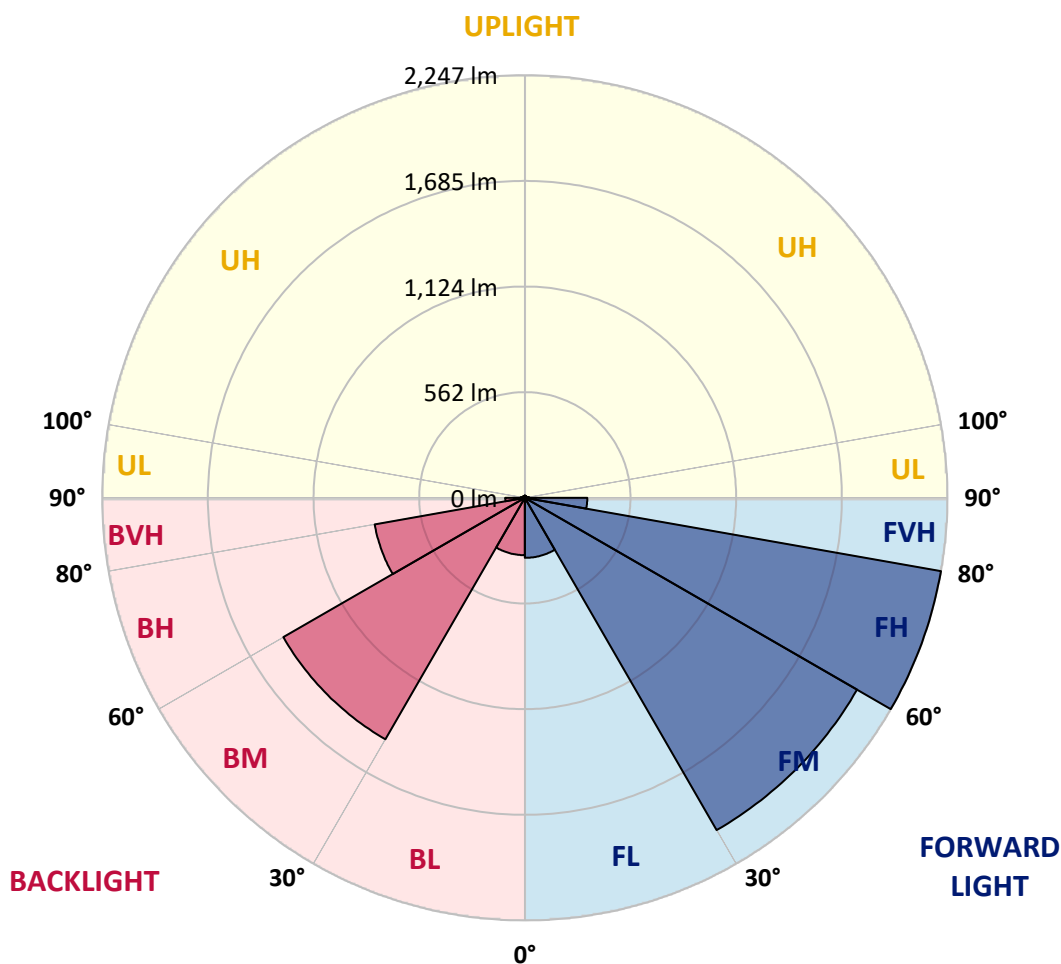


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|-------|---------|
| | | | B | U | G |
| FL (0°-30°) | 319.1 | 4.2 | | | |
| FM (30°-60°) | 2040.2 | 26.6 | | | |
| FH (60°-80°) | 2247.1 | 29.3 | | | G2/5000 |
| FVH (80°-90°) | 331.9 | 4.3 | | | G3/500 |
| BL (0°-30°) | 305.1 | 4.0 | B1/500 | | |
| BM (30°-60°) | 1482.6 | 19.3 | B2/2500 | | |
| BH (60°-80°) | 810.9 | 10.6 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 104.3 | 1.4 | | | G2/225 |
| UL (90°-100°) | 22.1 | 0.3 | | U2/50 | |
| UH (100°-180°) | 10.8 | 0.1 | | U2/50 | |

BUG Rating: B2-U2-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 44° | 45° | 55° | 65° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 |
| 2.5° | 521.4 | 519.9 | 519.9 | 518.4 | 518.4 | 518.4 | 518.4 | 518.4 | 516.9 | 515.4 | 513.9 |
| 5° | 534.8 | 534.8 | 533.3 | 533.3 | 531.8 | 530.4 | 531.8 | 530.4 | 528.9 | 527.4 | 525.9 |
| 7.5° | 552.8 | 551.3 | 551.3 | 548.3 | 548.3 | 546.8 | 546.8 | 546.8 | 545.3 | 542.3 | 540.8 |
| 10° | 578.3 | 575.3 | 575.3 | 572.3 | 570.8 | 569.3 | 569.3 | 566.3 | 566.3 | 564.8 | 563.3 |
| 12.5° | 606.8 | 603.8 | 606.8 | 605.3 | 602.3 | 599.3 | 599.3 | 596.3 | 594.8 | 593.3 | 587.3 |
| 15° | 644.2 | 639.7 | 642.7 | 642.7 | 641.2 | 639.7 | 639.7 | 633.7 | 630.7 | 627.7 | 621.7 |
| 17.5° | 689.2 | 686.2 | 687.7 | 689.2 | 693.7 | 693.7 | 695.1 | 687.7 | 681.7 | 671.2 | 666.7 |
| 20° | 746.1 | 744.6 | 749.1 | 749.1 | 753.6 | 753.6 | 755.1 | 747.6 | 737.1 | 729.6 | 720.6 |
| 22.5° | 801.5 | 801.5 | 807.5 | 807.5 | 812.0 | 809.0 | 809.0 | 806.0 | 794.0 | 785.0 | 776.1 |
| 25° | 858.4 | 857.0 | 862.9 | 867.4 | 873.4 | 865.9 | 868.9 | 864.4 | 852.5 | 840.5 | 828.5 |
| 27.5° | 921.4 | 918.4 | 921.4 | 927.4 | 937.9 | 931.9 | 934.9 | 927.4 | 915.4 | 898.9 | 888.4 |
| 30° | 990.3 | 985.8 | 990.3 | 999.3 | 1006.8 | 1009.8 | 1008.3 | 997.8 | 987.3 | 963.3 | 955.8 |
| 32.5° | 1057.7 | 1057.7 | 1068.2 | 1084.7 | 1093.7 | 1092.2 | 1093.7 | 1084.7 | 1069.7 | 1039.7 | 1021.7 |
| 35° | 1140.1 | 1146.1 | 1159.6 | 1183.6 | 1203.0 | 1195.5 | 1195.5 | 1192.5 | 1167.1 | 1131.1 | 1107.1 |
| 37.5° | 1249.5 | 1255.5 | 1282.4 | 1310.9 | 1346.9 | 1343.9 | 1345.4 | 1336.4 | 1286.9 | 1249.5 | 1215.0 |
| 40° | 1376.8 | 1382.8 | 1423.3 | 1463.7 | 1498.2 | 1508.7 | 1510.2 | 1490.7 | 1436.7 | 1382.8 | 1328.9 |
| 42.5° | 1493.7 | 1501.2 | 1543.1 | 1600.0 | 1637.5 | 1654.0 | 1657.0 | 1625.5 | 1568.6 | 1507.2 | 1439.7 |
| 45° | 1610.5 | 1619.5 | 1667.5 | 1727.4 | 1781.3 | 1788.8 | 1790.3 | 1763.3 | 1700.4 | 1630.0 | 1543.1 |
| 47.5° | 1730.4 | 1737.9 | 1787.3 | 1859.2 | 1917.7 | 1932.6 | 1934.1 | 1908.7 | 1832.3 | 1746.9 | 1645.0 |
| 50° | 1839.7 | 1854.7 | 1922.1 | 1998.6 | 2076.5 | 2088.4 | 2089.9 | 2061.5 | 1971.6 | 1875.7 | 1740.9 |
| 52.5° | 1968.6 | 1976.1 | 2048.0 | 2175.3 | 2241.3 | 2287.7 | 2289.2 | 2233.8 | 2137.9 | 2009.0 | 1835.3 |
| 55° | 2118.4 | 2131.9 | 2205.3 | 2332.6 | 2451.0 | 2482.5 | 2491.5 | 2425.5 | 2298.2 | 2158.9 | 1955.1 |
| 57.5° | 2205.3 | 2230.8 | 2338.6 | 2460.0 | 2608.3 | 2629.3 | 2633.8 | 2564.9 | 2424.0 | 2271.2 | 2045.0 |
| 60° | 2251.7 | 2266.7 | 2380.6 | 2569.4 | 2684.7 | 2704.2 | 2702.7 | 2650.3 | 2509.4 | 2323.7 | 2086.9 |
| 62.5° | 2304.2 | 2329.6 | 2425.5 | 2617.3 | 2717.7 | 2765.6 | 2758.1 | 2704.2 | 2560.4 | 2356.6 | 2127.4 |
| 65° | 2289.2 | 2310.2 | 2451.0 | 2606.8 | 2773.1 | 2825.5 | 2815.1 | 2743.1 | 2567.9 | 2362.6 | 2116.9 |
| 67.5° | 2229.3 | 2245.8 | 2385.1 | 2578.3 | 2737.1 | 2774.6 | 2792.6 | 2722.2 | 2525.9 | 2298.2 | 2051.0 |
| 70° | 2106.4 | 2131.9 | 2266.7 | 2464.5 | 2609.8 | 2636.8 | 2639.8 | 2596.3 | 2419.5 | 2179.8 | 1941.6 |
| 72.5° | 1937.1 | 1958.1 | 2104.9 | 2305.7 | 2431.5 | 2463.0 | 2466.0 | 2400.1 | 2266.7 | 2018.0 | 1784.3 |
| 75° | 1734.9 | 1754.4 | 1868.2 | 2078.0 | 2202.3 | 2233.8 | 2230.8 | 2169.3 | 2028.5 | 1793.3 | 1576.1 |
| 77.5° | 1484.7 | 1520.6 | 1621.0 | 1793.3 | 1914.7 | 1931.1 | 1934.1 | 1866.7 | 1752.9 | 1549.1 | 1337.9 |
| 80° | 1171.6 | 1206.0 | 1319.9 | 1448.7 | 1550.6 | 1564.1 | 1568.6 | 1511.6 | 1408.3 | 1228.5 | 1048.7 |
| 82.5° | 833.0 | 862.9 | 952.8 | 1057.7 | 1143.1 | 1143.1 | 1146.1 | 1099.7 | 1020.3 | 865.9 | 725.1 |
| 85° | 474.9 | 497.4 | 557.3 | 632.2 | 693.7 | 686.2 | 687.7 | 645.7 | 593.3 | 473.4 | 383.5 |
| 87.5° | 155.8 | 166.3 | 179.8 | 208.2 | 236.7 | 218.7 | 227.7 | 188.8 | 170.8 | 127.3 | 98.9 |
| 90° | 82.4 | 82.4 | 79.4 | 76.4 | 70.4 | 61.4 | 61.4 | 49.4 | 37.5 | 24.0 | 9.0 |
| 92.5° | 74.9 | 74.9 | 71.9 | 68.9 | 62.9 | 55.4 | 55.4 | 44.9 | 33.0 | 21.0 | 7.5 |
| 95° | 61.4 | 61.4 | 59.9 | 56.9 | 52.4 | 46.4 | 44.9 | 37.5 | 28.5 | 16.5 | 6.0 |
| 97.5° | 47.9 | 47.9 | 46.4 | 44.9 | 40.5 | 36.0 | 36.0 | 28.5 | 21.0 | 13.5 | 4.5 |
| 100° | 36.0 | 36.0 | 36.0 | 33.0 | 31.5 | 27.0 | 27.0 | 22.5 | 16.5 | 10.5 | 3.0 |
| 102.5° | 25.5 | 27.0 | 25.5 | 24.0 | 22.5 | 19.5 | 19.5 | 16.5 | 12.0 | 7.5 | 3.0 |
| 105° | 18.0 | 18.0 | 16.5 | 16.5 | 15.0 | 13.5 | 13.5 | 10.5 | 7.5 | 4.5 | 1.5 |
| 107.5° | 10.5 | 10.5 | 10.5 | 10.5 | 9.0 | 9.0 | 9.0 | 7.5 | 4.5 | 3.0 | 1.5 |
| 110° | 6.0 | 6.0 | 6.0 | 6.0 | 4.5 | 4.5 | 4.5 | 3.0 | 3.0 | 1.5 | 1.5 |



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 CATALOG NUMBER: TT-D5-750-12VDC-5WQ-PM-HSS

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 44° | 45° | 55° | 65° | 75° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 115° | 1.5 | 1.5 | 1.5 | 3.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 117.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 120° | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 122.5° | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 125° | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 127.5° | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 130° | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 132.5° | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 140° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 142.5° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 145° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 147.5° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 150° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 160° | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 162.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 165° | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 167.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 170° | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 172.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 175° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 177.5° | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: TT-D5-750-12VDC-5WQ-PM-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 | 506.4 |
| 2.5° | 513.9 | 513.9 | 512.4 | 510.9 | 510.9 | 510.9 | 509.4 | 509.4 | 509.4 | 507.9 | 507.9 |
| 5° | 525.9 | 524.4 | 524.4 | 522.9 | 522.9 | 521.4 | 521.4 | 519.9 | 518.4 | 518.4 | 516.9 |
| 7.5° | 542.3 | 540.8 | 537.8 | 539.3 | 536.3 | 534.8 | 533.3 | 533.3 | 533.3 | 531.8 | 531.8 |
| 10° | 561.8 | 561.8 | 558.8 | 558.8 | 555.8 | 554.3 | 552.8 | 552.8 | 554.3 | 554.3 | 552.8 |
| 12.5° | 587.3 | 585.8 | 585.8 | 584.3 | 582.8 | 581.3 | 582.8 | 582.8 | 581.3 | 579.8 | 578.3 |
| 15° | 618.7 | 618.7 | 618.7 | 620.2 | 618.7 | 618.7 | 618.7 | 617.2 | 614.2 | 611.3 | 611.3 |
| 17.5° | 666.7 | 665.2 | 662.2 | 663.7 | 666.7 | 671.2 | 666.7 | 662.2 | 657.7 | 657.7 | 656.2 |
| 20° | 716.1 | 717.6 | 717.6 | 719.1 | 723.6 | 728.1 | 722.1 | 719.1 | 716.1 | 713.1 | 710.1 |
| 22.5° | 770.1 | 771.6 | 771.6 | 770.1 | 773.1 | 771.6 | 768.6 | 765.6 | 762.6 | 758.1 | 755.1 |
| 25° | 822.5 | 824.0 | 822.5 | 821.0 | 822.5 | 818.0 | 813.5 | 809.0 | 801.5 | 794.0 | 794.0 |
| 27.5° | 880.9 | 879.4 | 873.4 | 874.9 | 871.9 | 868.9 | 859.9 | 849.5 | 839.0 | 831.5 | 831.5 |
| 30° | 942.3 | 942.3 | 930.4 | 936.4 | 930.4 | 928.9 | 909.4 | 895.9 | 880.9 | 870.4 | 868.9 |
| 32.5° | 1009.8 | 1006.8 | 997.8 | 1003.8 | 997.8 | 991.8 | 967.8 | 949.8 | 924.4 | 909.4 | 907.9 |
| 35° | 1090.7 | 1083.2 | 1075.7 | 1081.7 | 1081.7 | 1065.2 | 1041.2 | 1008.3 | 972.3 | 954.3 | 952.8 |
| 37.5° | 1189.5 | 1185.0 | 1176.1 | 1183.6 | 1189.5 | 1173.1 | 1137.1 | 1089.2 | 1038.2 | 1011.3 | 1009.8 |
| 40° | 1298.9 | 1292.9 | 1288.4 | 1298.9 | 1303.4 | 1286.9 | 1239.0 | 1171.6 | 1102.7 | 1063.7 | 1057.7 |
| 42.5° | 1402.3 | 1388.8 | 1381.3 | 1396.3 | 1391.8 | 1373.8 | 1307.9 | 1230.0 | 1135.6 | 1090.7 | 1083.2 |
| 45° | 1495.2 | 1480.2 | 1469.7 | 1483.2 | 1477.2 | 1441.2 | 1367.8 | 1263.0 | 1149.1 | 1093.7 | 1084.7 |
| 47.5° | 1586.6 | 1564.1 | 1547.6 | 1565.6 | 1553.6 | 1498.2 | 1408.3 | 1279.4 | 1134.1 | 1068.2 | 1053.2 |
| 50° | 1664.5 | 1637.5 | 1627.0 | 1648.0 | 1630.0 | 1552.1 | 1436.7 | 1271.9 | 1096.7 | 1000.8 | 976.8 |
| 52.5° | 1757.3 | 1716.9 | 1706.4 | 1746.9 | 1706.4 | 1603.0 | 1442.7 | 1254.0 | 1011.3 | 895.9 | 873.4 |
| 55° | 1851.7 | 1806.8 | 1790.3 | 1827.8 | 1766.3 | 1613.5 | 1412.8 | 1150.6 | 882.4 | 759.6 | 726.6 |
| 57.5° | 1901.2 | 1859.2 | 1844.2 | 1871.2 | 1757.3 | 1511.6 | 1279.4 | 958.8 | 689.2 | 551.3 | 515.4 |
| 60° | 1946.1 | 1872.7 | 1853.2 | 1889.2 | 1664.5 | 1274.9 | 990.3 | 687.7 | 416.5 | 313.1 | 286.1 |
| 62.5° | 1977.6 | 1907.2 | 1866.7 | 1883.2 | 1493.7 | 927.4 | 569.3 | 331.1 | 157.3 | 109.4 | 107.9 |
| 65° | 1961.1 | 1901.2 | 1874.2 | 1862.2 | 1297.4 | 533.3 | 209.7 | 83.9 | 4.5 | 4.5 | 3.0 |
| 67.5° | 1910.2 | 1844.2 | 1836.8 | 1847.2 | 1283.9 | 512.4 | 194.8 | 76.4 | 0.0 | 0.0 | 0.0 |
| 70° | 1797.8 | 1751.4 | 1751.4 | 1787.3 | 1225.5 | 485.4 | 181.3 | 70.4 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1646.5 | 1610.5 | 1631.5 | 1685.4 | 1138.6 | 448.0 | 163.3 | 62.9 | 0.0 | 0.0 | 0.0 |
| 75° | 1465.2 | 1427.8 | 1454.7 | 1514.6 | 1030.7 | 400.0 | 142.3 | 53.9 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1234.5 | 1209.0 | 1251.0 | 1306.4 | 886.9 | 337.1 | 116.9 | 43.4 | 0.0 | 0.0 | 0.0 |
| 80° | 961.8 | 948.3 | 1003.8 | 1053.2 | 716.1 | 265.2 | 88.4 | 31.5 | 0.0 | 0.0 | 0.0 |
| 82.5° | 663.7 | 657.7 | 711.6 | 762.6 | 512.4 | 185.8 | 59.9 | 21.0 | 0.0 | 0.0 | 0.0 |
| 85° | 347.6 | 347.6 | 389.5 | 436.0 | 286.1 | 100.4 | 30.0 | 9.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 76.4 | 73.4 | 79.4 | 101.9 | 56.9 | 19.5 | 4.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 90° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P821421
 CATALOG NUMBER: TT-D5-750-12VDC-5WQ-PM-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)