

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: P821417

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

Issue Date: 12/2/2020



Test Information

Test Method: LM-79-08
Report Number: P821417
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-D5-750-12VDC-5CQ-PM-HSS
Description: TOPTIER LED SITE LUMINAIRE
5000K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

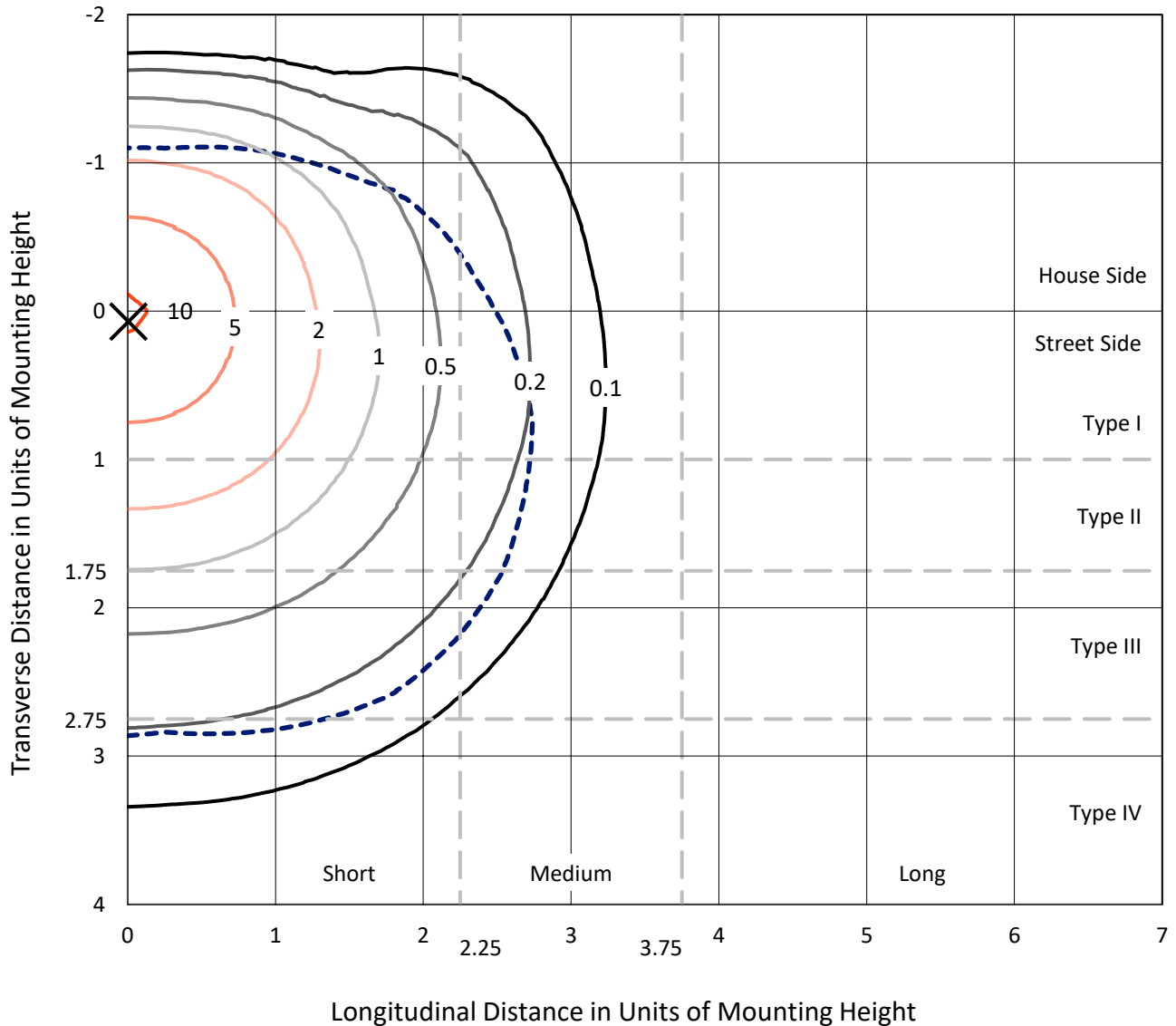
Lumens per Lamp: N/A
Luminaire Lumens: 7967 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U2 - G1

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

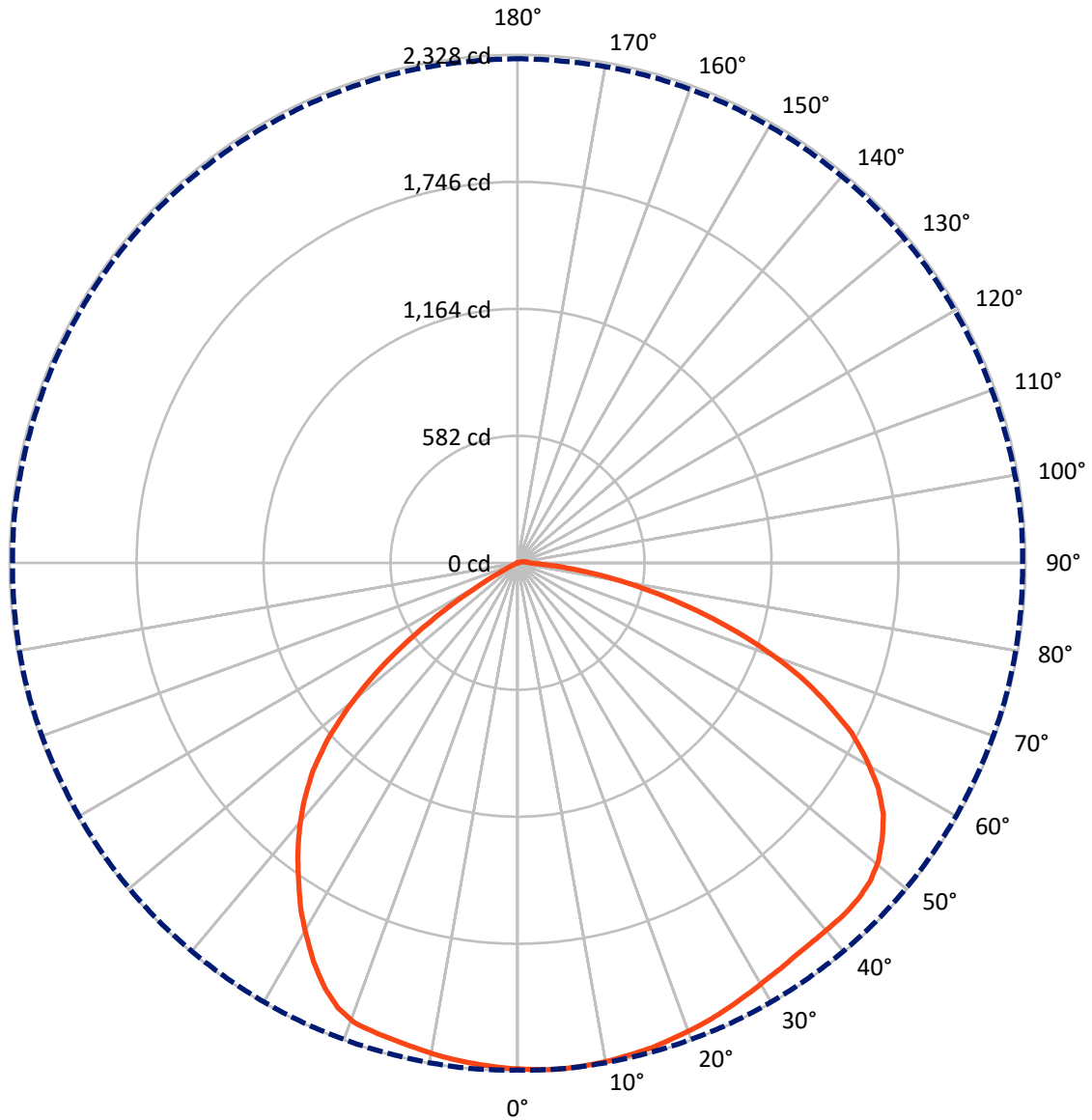
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.3 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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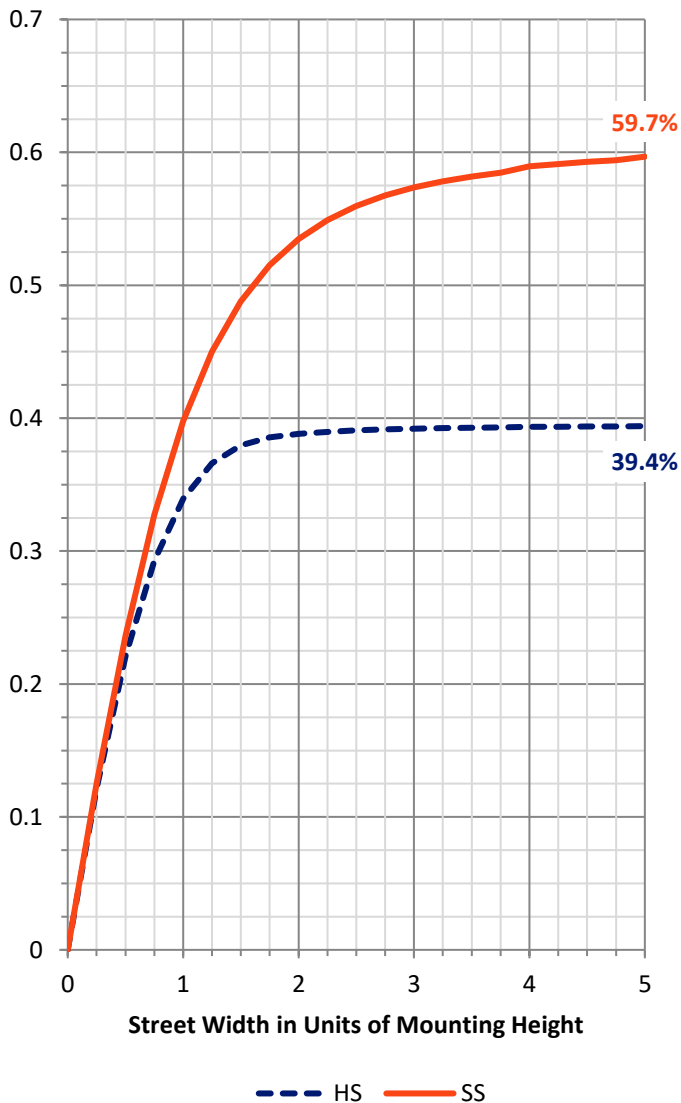
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3157.3 | 4.1 | 3161.3 |
| | % Fixture | 39.6 | 0.1 | 39.7 |
| Street Side | Lumens | 4783.5 | 22.2 | 4805.7 |
| | % Fixture | 60.0 | 0.3 | 60.3 |
| Total | Lumens | 7940.7 | 26.3 | 7967.0 |
| | % Fixture | 99.7 | 0.3 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 220.5 | 2.8 |
| 10°-20° | 645.8 | 8.1 |
| 20°-30° | 1017.6 | 12.8 |
| 30°-40° | 1295.0 | 16.3 |
| 40°-50° | 1495.8 | 18.8 |
| 50°-60° | 1464.6 | 18.4 |
| 60°-70° | 1090.8 | 13.7 |
| 70°-80° | 590.8 | 7.4 |
| 80°-90° | 119.8 | 1.5 |
| 90°-100° | 15.2 | 0.2 |
| 100°-110° | 5.9 | 0.1 |
| 110°-120° | 1.7 | 0.0 |
| 120°-130° | 1.2 | 0.0 |
| 130°-140° | 1.0 | 0.0 |
| 140°-150° | 0.6 | 0.0 |
| 150°-160° | 0.4 | 0.0 |
| 160°-170° | 0.2 | 0.0 |
| 170°-180° | 0.1 | 0.0 |
| 0°-90° | 7940.7 | 99.7 |
| 0°-180° | 7967.0 | 100.0 |

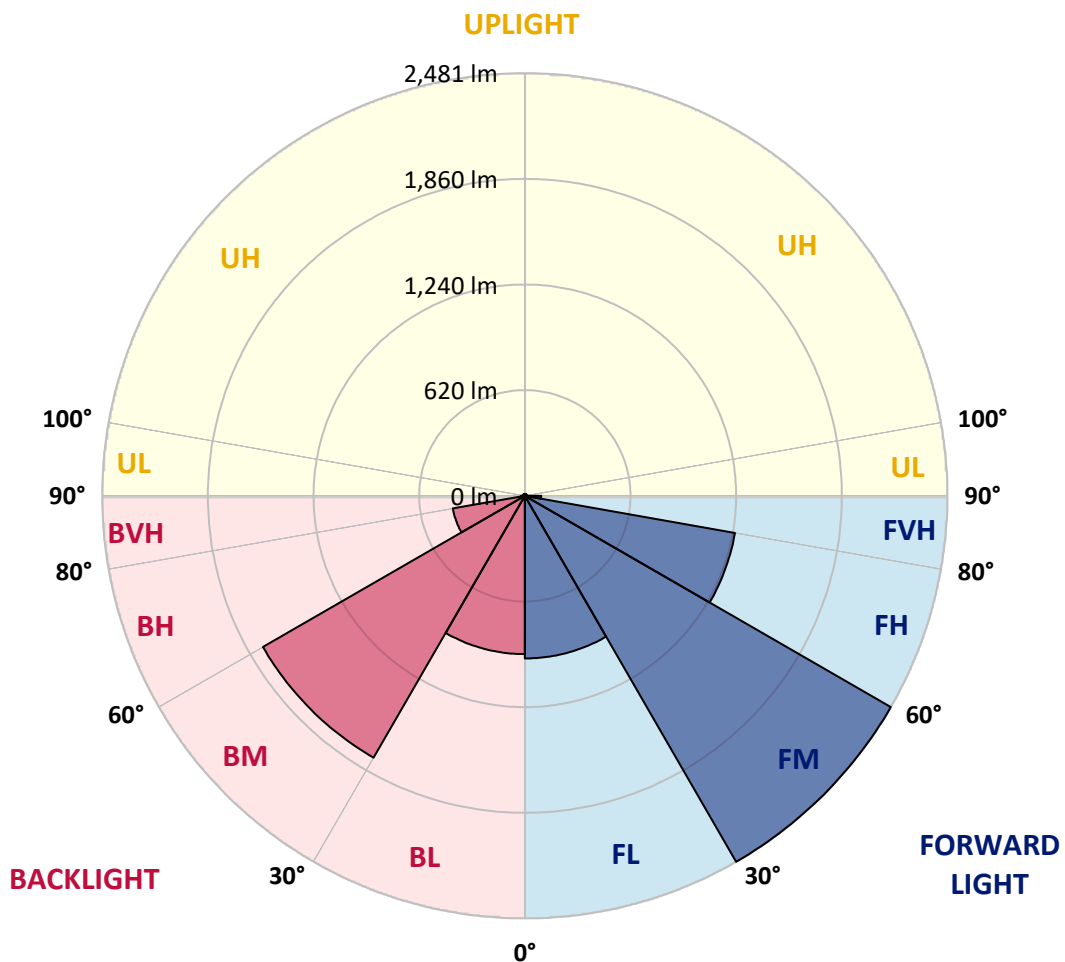


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|-------|---------|
| | | | B | U | G |
| FL (0°-30°) | 954.6 | 12.0 | | | |
| FM (30°-60°) | 2480.6 | 31.1 | | | |
| FH (60°-80°) | 1252.6 | 15.7 | | | G1/1800 |
| FVH (80°-90°) | 95.6 | 1.2 | | | G1/100 |
| BL (0°-30°) | 929.2 | 11.7 | B2/1000 | | |
| BM (30°-60°) | 1774.8 | 22.3 | B2/2500 | | |
| BH (60°-80°) | 429.0 | 5.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 24.1 | 0.3 | | | G1/100 |
| UL (90°-100°) | 15.2 | 0.2 | | U2/50 | |
| UH (100°-180°) | 11.1 | 0.1 | | U2/50 | |

BUG Rating: B2-U2-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 |
| 2.5° | 2323.4 | 2326.4 | 2324.9 | 2324.9 | 2321.9 | 2323.4 | 2321.9 | 2321.9 | 2320.4 | 2318.9 | 2318.9 |
| 4° | 2324.9 | 2327.9 | 2324.9 | 2324.9 | 2323.4 | 2323.4 | 2321.9 | 2318.9 | 2320.4 | 2316.0 | 2314.5 |
| 5° | 2326.4 | 2327.9 | 2326.4 | 2326.4 | 2323.4 | 2321.9 | 2318.9 | 2318.9 | 2317.4 | 2314.5 | 2314.5 |
| 7.5° | 2323.4 | 2324.9 | 2324.9 | 2323.4 | 2320.4 | 2317.4 | 2316.0 | 2314.5 | 2313.0 | 2308.5 | 2308.5 |
| 10° | 2317.4 | 2320.4 | 2317.4 | 2317.4 | 2316.0 | 2313.0 | 2308.5 | 2307.0 | 2302.5 | 2299.5 | 2298.0 |
| 12.5° | 2311.5 | 2313.0 | 2311.5 | 2311.5 | 2308.5 | 2304.0 | 2302.5 | 2299.5 | 2293.5 | 2289.0 | 2289.0 |
| 15° | 2302.5 | 2305.5 | 2304.0 | 2302.5 | 2301.0 | 2296.5 | 2292.0 | 2287.5 | 2283.0 | 2278.5 | 2278.5 |
| 17.5° | 2292.0 | 2293.5 | 2295.0 | 2293.5 | 2290.5 | 2287.5 | 2283.0 | 2277.0 | 2272.5 | 2268.0 | 2266.5 |
| 20° | 2280.0 | 2283.0 | 2283.0 | 2283.0 | 2280.0 | 2277.0 | 2271.0 | 2265.0 | 2262.0 | 2256.0 | 2254.5 |
| 22.5° | 2268.0 | 2271.0 | 2269.5 | 2271.0 | 2269.5 | 2265.0 | 2259.0 | 2253.0 | 2247.0 | 2242.5 | 2239.6 |
| 25° | 2256.0 | 2256.0 | 2256.0 | 2256.0 | 2256.0 | 2250.0 | 2244.0 | 2236.6 | 2230.6 | 2223.1 | 2223.1 |
| 27.5° | 2241.0 | 2241.0 | 2242.5 | 2242.5 | 2241.0 | 2236.6 | 2229.1 | 2220.1 | 2211.1 | 2203.6 | 2200.6 |
| 30° | 2227.6 | 2226.1 | 2229.1 | 2232.1 | 2230.6 | 2226.1 | 2217.1 | 2206.6 | 2193.1 | 2182.6 | 2173.6 |
| 32.5° | 2211.1 | 2215.6 | 2218.6 | 2224.6 | 2226.1 | 2220.1 | 2209.6 | 2196.1 | 2182.6 | 2163.2 | 2146.7 |
| 35° | 2205.1 | 2205.1 | 2212.6 | 2221.6 | 2224.6 | 2221.6 | 2206.6 | 2191.6 | 2172.1 | 2143.7 | 2124.2 |
| 37.5° | 2199.1 | 2200.6 | 2212.6 | 2226.1 | 2230.6 | 2230.6 | 2214.1 | 2194.6 | 2167.6 | 2127.2 | 2103.2 |
| 40° | 2196.1 | 2199.1 | 2214.1 | 2233.6 | 2245.5 | 2244.0 | 2224.6 | 2200.6 | 2167.6 | 2115.2 | 2085.3 |
| 42.5° | 2193.1 | 2199.1 | 2215.6 | 2242.5 | 2260.5 | 2259.0 | 2238.1 | 2206.6 | 2164.7 | 2100.2 | 2065.8 |
| 45° | 2188.6 | 2193.1 | 2215.6 | 2250.0 | 2274.0 | 2278.5 | 2254.5 | 2214.1 | 2164.7 | 2086.8 | 2041.8 |
| 47.5° | 2175.1 | 2176.6 | 2206.6 | 2247.0 | 2283.0 | 2289.0 | 2265.0 | 2217.1 | 2158.7 | 2064.3 | 2011.9 |
| 50° | 2139.2 | 2143.7 | 2178.1 | 2232.1 | 2274.0 | 2283.0 | 2262.0 | 2209.6 | 2143.7 | 2026.8 | 1963.9 |
| 52.5° | 2092.7 | 2092.7 | 2134.7 | 2194.6 | 2245.5 | 2260.5 | 2241.0 | 2182.6 | 2106.2 | 1971.4 | 1899.5 |
| 55° | 2023.8 | 2034.3 | 2077.8 | 2140.7 | 2196.1 | 2217.1 | 2190.1 | 2133.2 | 2044.8 | 1901.0 | 1821.6 |
| 57.5° | 1945.9 | 1948.9 | 1993.9 | 2068.8 | 2125.7 | 2139.2 | 2116.7 | 2049.3 | 1963.9 | 1817.1 | 1722.7 |
| 60° | 1833.6 | 1839.6 | 1896.5 | 1962.4 | 2023.8 | 2041.8 | 2013.3 | 1945.9 | 1856.1 | 1709.2 | 1613.4 |
| 62.5° | 1709.2 | 1718.2 | 1769.2 | 1836.6 | 1895.0 | 1923.5 | 1889.0 | 1818.6 | 1730.2 | 1580.4 | 1496.5 |
| 65° | 1559.4 | 1562.4 | 1617.9 | 1694.3 | 1752.7 | 1763.2 | 1733.2 | 1664.3 | 1575.9 | 1432.1 | 1357.2 |
| 67.5° | 1387.2 | 1402.2 | 1456.1 | 1513.0 | 1563.9 | 1575.9 | 1555.0 | 1475.6 | 1405.2 | 1277.8 | 1204.4 |
| 70° | 1220.9 | 1213.4 | 1258.3 | 1315.3 | 1361.7 | 1372.2 | 1348.2 | 1274.8 | 1208.9 | 1089.1 | 1032.1 |
| 72.5° | 1020.2 | 1014.2 | 1062.1 | 1105.5 | 1150.5 | 1144.5 | 1120.5 | 1062.1 | 1005.2 | 903.3 | 850.9 |
| 75° | 817.9 | 811.9 | 849.4 | 886.8 | 909.3 | 912.3 | 895.8 | 852.4 | 791.0 | 711.6 | 671.1 |
| 77.5° | 620.2 | 626.2 | 642.7 | 674.1 | 695.1 | 704.1 | 675.6 | 632.2 | 593.2 | 531.8 | 501.8 |
| 80° | 441.9 | 443.4 | 449.4 | 471.9 | 486.9 | 486.9 | 473.4 | 438.9 | 395.5 | 352.0 | 337.1 |
| 82.5° | 278.6 | 284.6 | 284.6 | 307.1 | 307.1 | 295.1 | 289.1 | 266.6 | 244.2 | 209.7 | 188.8 |
| 85° | 152.8 | 149.8 | 158.8 | 160.3 | 158.8 | 149.8 | 140.8 | 127.3 | 112.4 | 88.4 | 79.4 |
| 87.5° | 67.4 | 65.9 | 65.9 | 65.9 | 64.4 | 58.4 | 49.4 | 38.9 | 27.0 | 16.5 | 12.0 |
| 90° | 52.4 | 52.4 | 50.9 | 47.9 | 43.4 | 38.9 | 31.5 | 24.0 | 15.0 | 6.0 | 3.0 |
| 92.5° | 47.9 | 47.9 | 46.4 | 44.9 | 40.4 | 36.0 | 28.5 | 21.0 | 13.5 | 6.0 | 3.0 |
| 95° | 41.9 | 40.4 | 40.4 | 37.5 | 34.5 | 30.0 | 25.5 | 18.0 | 12.0 | 4.5 | 3.0 |
| 97.5° | 34.5 | 33.0 | 33.0 | 31.5 | 28.5 | 24.0 | 21.0 | 15.0 | 10.5 | 4.5 | 3.0 |
| 100° | 25.5 | 27.0 | 25.5 | 24.0 | 22.5 | 19.5 | 16.5 | 12.0 | 7.5 | 3.0 | 3.0 |
| 102.5° | 19.5 | 19.5 | 18.0 | 18.0 | 16.5 | 15.0 | 12.0 | 9.0 | 6.0 | 3.0 | 1.5 |
| 105° | 13.5 | 13.5 | 13.5 | 12.0 | 12.0 | 10.5 | 9.0 | 6.0 | 4.5 | 3.0 | 1.5 |
| 107.5° | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 6.0 | 4.5 | 3.0 | 1.5 | 1.5 |



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

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 3.0 | 3.0 | 1.5 | 1.5 | 1.5 |
| 112.5° | 1.5 | 1.5 | 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 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 117.5° | 0.0 | 0.0 | 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 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 125° | 0.0 | 0.0 | 0.0 | 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 | 0.0 | 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 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 142.5° | 0.0 | 0.0 | 0.0 | 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 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 147.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 150° | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 180° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |



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

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 | 2320.4 |
| 2.5° | 2317.4 | 2313.0 | 2316.0 | 2314.5 | 2316.0 | 2313.0 | 2313.0 | 2313.0 | 2314.5 | 2311.5 |
| 4° | 2316.0 | 2313.0 | 2313.0 | 2313.0 | 2313.0 | 2310.0 | 2310.0 | 2310.0 | 2308.5 | 2310.0 |
| 5° | 2313.0 | 2311.5 | 2310.0 | 2308.5 | 2310.0 | 2307.0 | 2305.5 | 2305.5 | 2305.5 | 2307.0 |
| 7.5° | 2307.0 | 2302.5 | 2302.5 | 2298.0 | 2299.5 | 2298.0 | 2296.5 | 2298.0 | 2296.5 | 2296.5 |
| 10° | 2296.5 | 2293.5 | 2292.0 | 2289.0 | 2289.0 | 2286.0 | 2284.5 | 2284.5 | 2284.5 | 2283.0 |
| 12.5° | 2286.0 | 2283.0 | 2281.5 | 2278.5 | 2277.0 | 2274.0 | 2272.5 | 2274.0 | 2271.0 | 2271.0 |
| 15° | 2274.0 | 2271.0 | 2269.5 | 2269.5 | 2266.5 | 2263.5 | 2262.0 | 2259.0 | 2259.0 | 2259.0 |
| 17.5° | 2263.5 | 2260.5 | 2262.0 | 2259.0 | 2257.5 | 2254.5 | 2254.5 | 2248.5 | 2248.5 | 2247.0 |
| 20° | 2253.0 | 2250.0 | 2250.0 | 2248.5 | 2248.5 | 2245.5 | 2241.0 | 2238.1 | 2236.6 | 2236.6 |
| 22.5° | 2239.6 | 2235.1 | 2227.6 | 2217.1 | 2211.1 | 2206.6 | 2205.1 | 2200.6 | 2199.1 | 2196.1 |
| 25° | 2218.6 | 2206.6 | 2190.1 | 2172.1 | 2154.2 | 2145.2 | 2142.2 | 2136.2 | 2136.2 | 2136.2 |
| 27.5° | 2193.1 | 2170.6 | 2148.2 | 2121.2 | 2094.2 | 2076.3 | 2064.3 | 2058.3 | 2055.3 | 2055.3 |
| 30° | 2160.2 | 2131.7 | 2100.2 | 2065.8 | 2035.8 | 2002.9 | 1981.9 | 1969.9 | 1963.9 | 1965.4 |
| 32.5° | 2130.2 | 2094.2 | 2058.3 | 2014.8 | 1974.4 | 1935.5 | 1899.5 | 1881.5 | 1874.0 | 1871.0 |
| 35° | 2100.2 | 2059.8 | 2016.3 | 1969.9 | 1917.5 | 1860.6 | 1812.6 | 1785.6 | 1770.7 | 1772.2 |
| 37.5° | 2077.8 | 2029.8 | 1981.9 | 1925.0 | 1865.0 | 1796.1 | 1734.7 | 1691.3 | 1673.3 | 1676.3 |
| 40° | 2053.8 | 1999.9 | 1947.4 | 1881.5 | 1811.1 | 1728.7 | 1649.3 | 1590.9 | 1569.9 | 1565.4 |
| 42.5° | 2031.3 | 1968.4 | 1908.5 | 1838.1 | 1749.7 | 1656.8 | 1559.4 | 1490.5 | 1459.1 | 1454.6 |
| 45° | 2002.9 | 1932.5 | 1868.0 | 1787.1 | 1689.8 | 1574.4 | 1460.6 | 1370.7 | 1337.7 | 1324.3 |
| 47.5° | 1965.4 | 1887.5 | 1815.6 | 1722.7 | 1616.4 | 1486.0 | 1343.7 | 1232.9 | 1190.9 | 1180.4 |
| 50° | 1910.0 | 1820.1 | 1746.7 | 1641.8 | 1513.0 | 1369.2 | 1210.4 | 1074.1 | 1018.7 | 1011.2 |
| 52.5° | 1836.6 | 1745.2 | 1662.8 | 1543.0 | 1385.7 | 1216.4 | 1036.6 | 895.8 | 831.4 | 826.9 |
| 55° | 1748.2 | 1649.3 | 1559.4 | 1424.6 | 1240.4 | 1044.1 | 856.9 | 678.6 | 615.7 | 608.2 |
| 57.5° | 1644.8 | 1543.0 | 1445.6 | 1279.3 | 1066.6 | 847.9 | 630.7 | 459.9 | 400.0 | 385.0 |
| 60° | 1531.0 | 1426.1 | 1316.8 | 1114.5 | 832.9 | 600.7 | 382.0 | 244.2 | 199.2 | 184.3 |
| 62.5° | 1420.1 | 1306.3 | 1190.9 | 918.3 | 570.7 | 343.0 | 173.8 | 70.4 | 44.9 | 43.4 |
| 65° | 1289.8 | 1181.9 | 1063.6 | 740.0 | 361.0 | 154.3 | 50.9 | 1.5 | 0.0 | 0.0 |
| 67.5° | 1138.5 | 1047.1 | 942.3 | 662.1 | 319.1 | 134.8 | 43.4 | 1.5 | 0.0 | 0.0 |
| 70° | 976.7 | 904.8 | 811.9 | 569.3 | 274.1 | 113.9 | 37.5 | 0.0 | 0.0 | 0.0 |
| 72.5° | 805.9 | 744.5 | 675.6 | 473.4 | 227.7 | 94.4 | 30.0 | 0.0 | 0.0 | 0.0 |
| 75° | 632.2 | 593.2 | 531.8 | 374.5 | 176.8 | 71.9 | 22.5 | 0.0 | 0.0 | 0.0 |
| 77.5° | 468.9 | 437.4 | 392.5 | 275.6 | 133.3 | 52.4 | 16.5 | 0.0 | 0.0 | 0.0 |
| 80° | 316.1 | 292.1 | 266.6 | 187.3 | 89.9 | 34.5 | 10.5 | 0.0 | 0.0 | 0.0 |
| 82.5° | 184.3 | 166.3 | 149.8 | 106.4 | 49.4 | 19.5 | 4.5 | 0.0 | 0.0 | 0.0 |
| 85° | 74.9 | 68.9 | 65.9 | 44.9 | 19.5 | 6.0 | 1.5 | 0.0 | 0.0 | 0.0 |
| 87.5° | 9.0 | 7.5 | 7.5 | 4.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 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 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 |
| 100° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 102.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 105° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 107.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |



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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 110° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 112.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 115° | 1.5 | 1.5 | 1.5 | 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 |
| 120° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 122.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 125° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 127.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 130° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 132.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 135° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 137.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 |
| 140° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 |
| 142.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 145° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 1.5 |
| 150° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |

(END OF REPORT)