

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: P821384

Luminaire Tested: **TT-D2-740-12VDC-RW-PM-HSS**

Issue Date: 12/2/2020



Test Information

Test Method: LM-79-08
Report Number: P821384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-017-5)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D2-740-12VDC-RW-PM-HSS
Description: TOPTIER LED SITE LUMINAIRE
4000K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

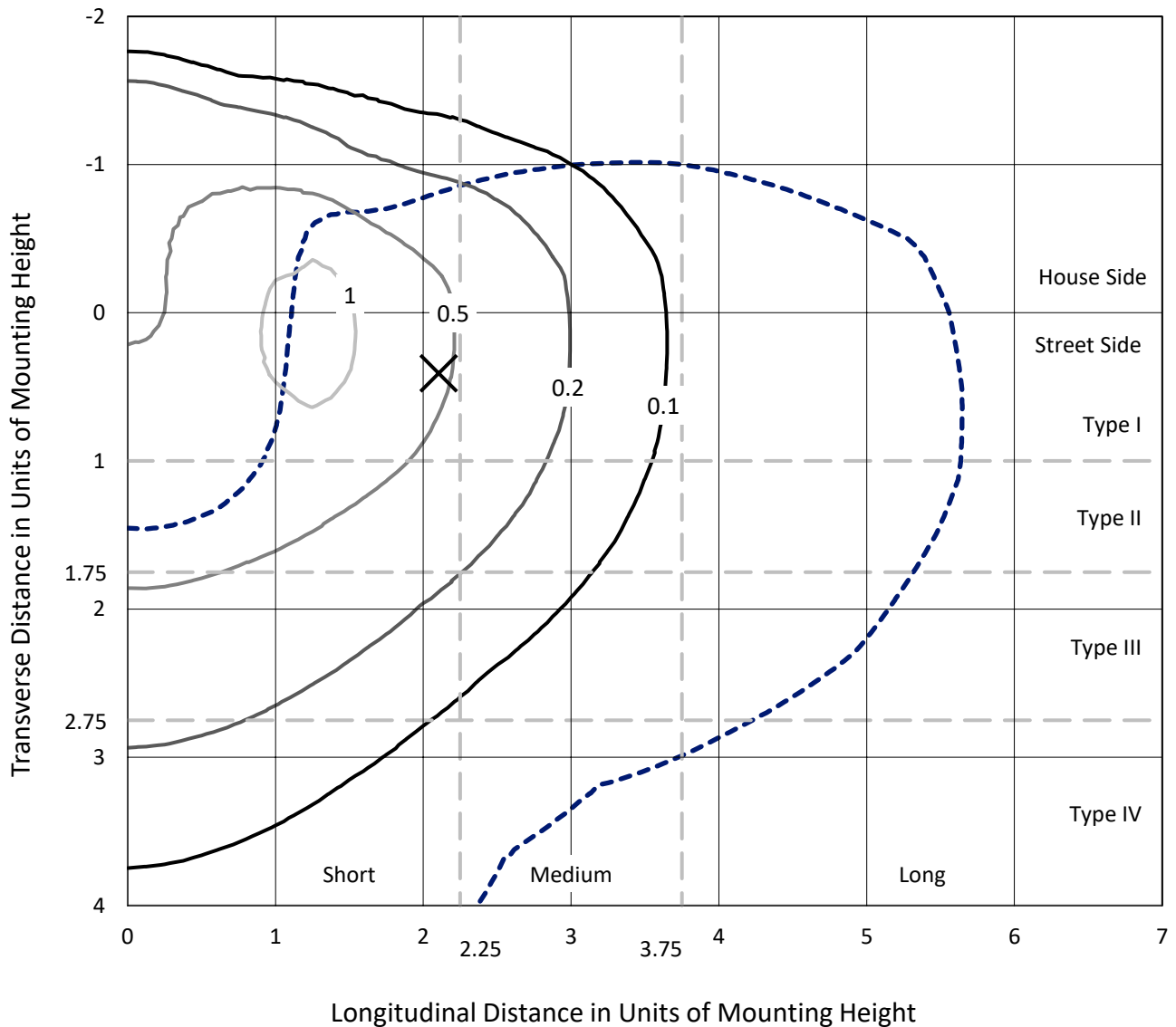
Lumens per Lamp: N/A
Luminaire Lumens: 3327.9 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 38
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

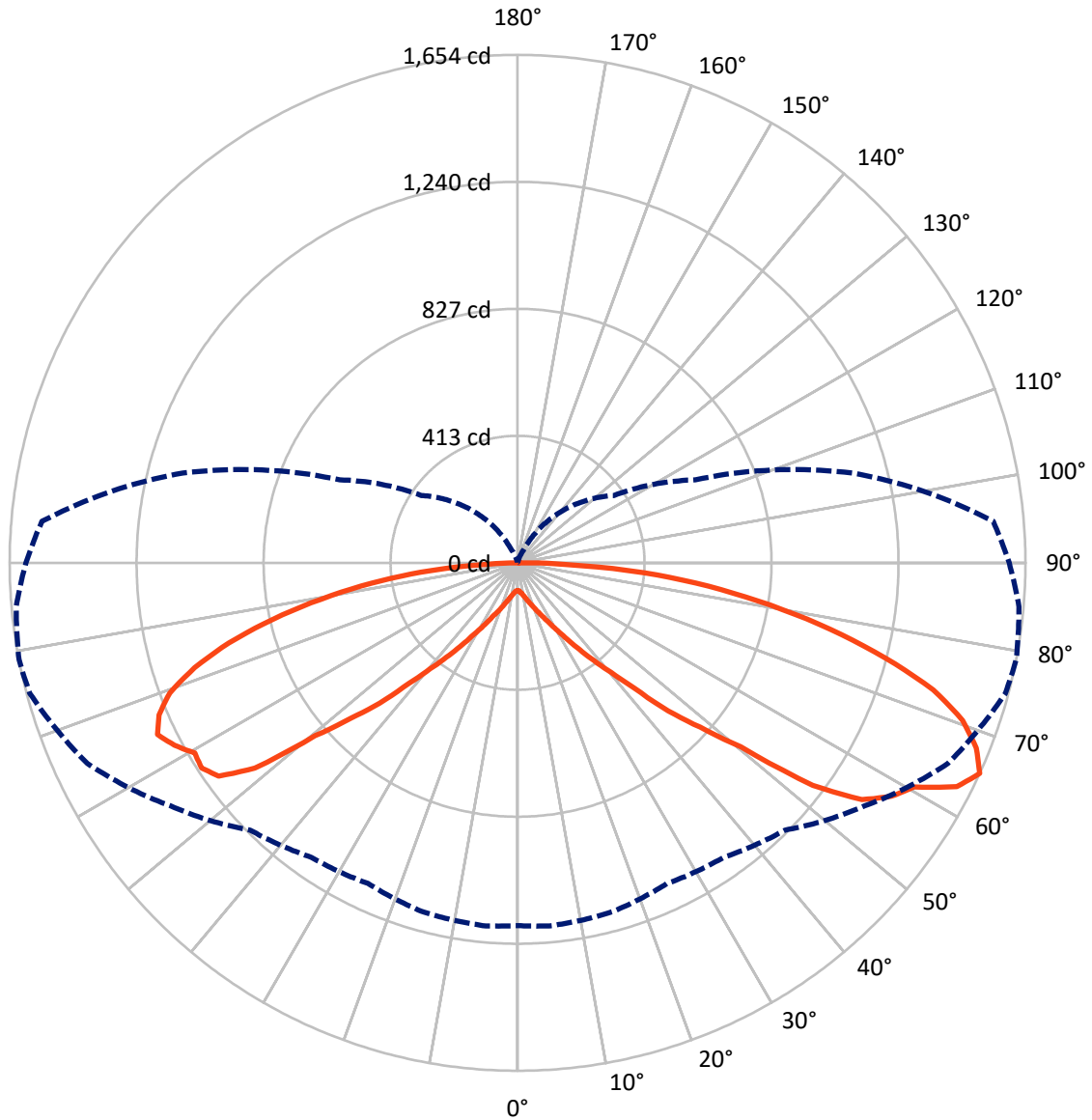
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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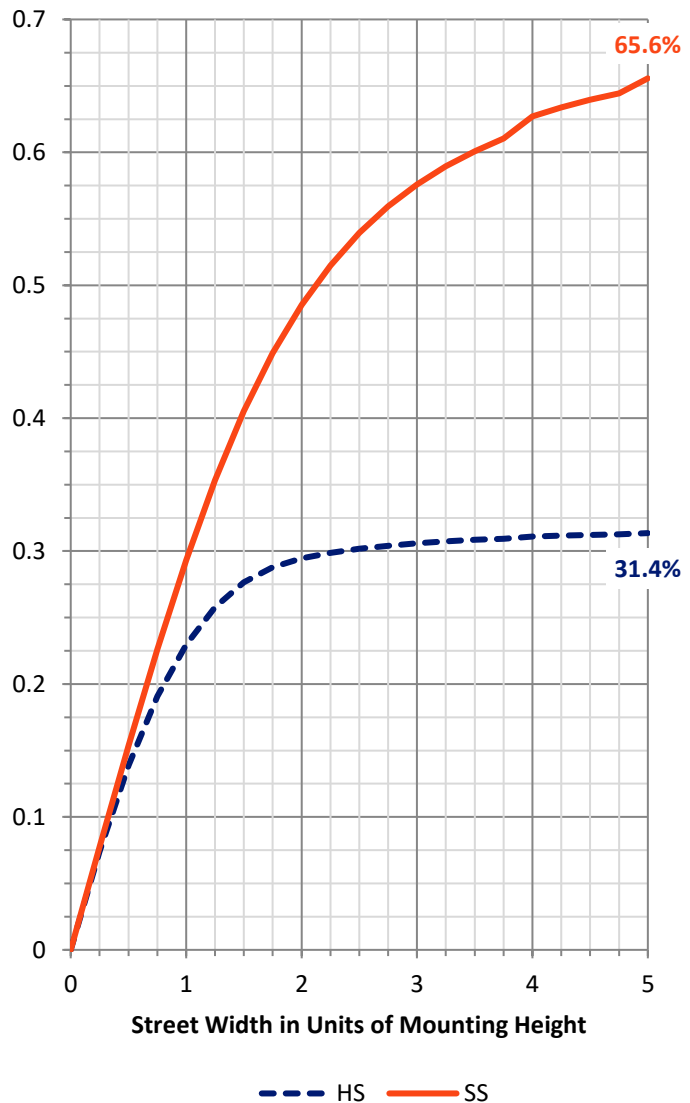
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1050.9 | 1.3 | 1052.2 |
| | % Fixture | 31.6 | 0.0 | 31.6 |
| Street Side | Lumens | 2261.1 | 14.7 | 2275.7 |
| | % Fixture | 67.9 | 0.4 | 68.4 |
| Total | Lumens | 3312.0 | 15.9 | 3327.9 |
| | % Fixture | 99.5 | 0.5 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.5 | 0.3 |
| 10°-20° | 35.8 | 1.1 |
| 20°-30° | 82.7 | 2.5 |
| 30°-40° | 177.1 | 5.3 |
| 40°-50° | 379.4 | 11.4 |
| 50°-60° | 716.6 | 21.5 |
| 60°-70° | 890.6 | 26.8 |
| 70°-80° | 762.4 | 22.9 |
| 80°-90° | 257.9 | 7.7 |
| 90°-100° | 11.1 | 0.3 |
| 100°-110° | 3.2 | 0.1 |
| 110°-120° | 0.7 | 0.0 |
| 120°-130° | 0.4 | 0.0 |
| 130°-140° | 0.2 | 0.0 |
| 140°-150° | 0.2 | 0.0 |
| 150°-160° | 0.1 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 3312.0 | 99.5 |
| 0°-180° | 3327.9 | 100.0 |

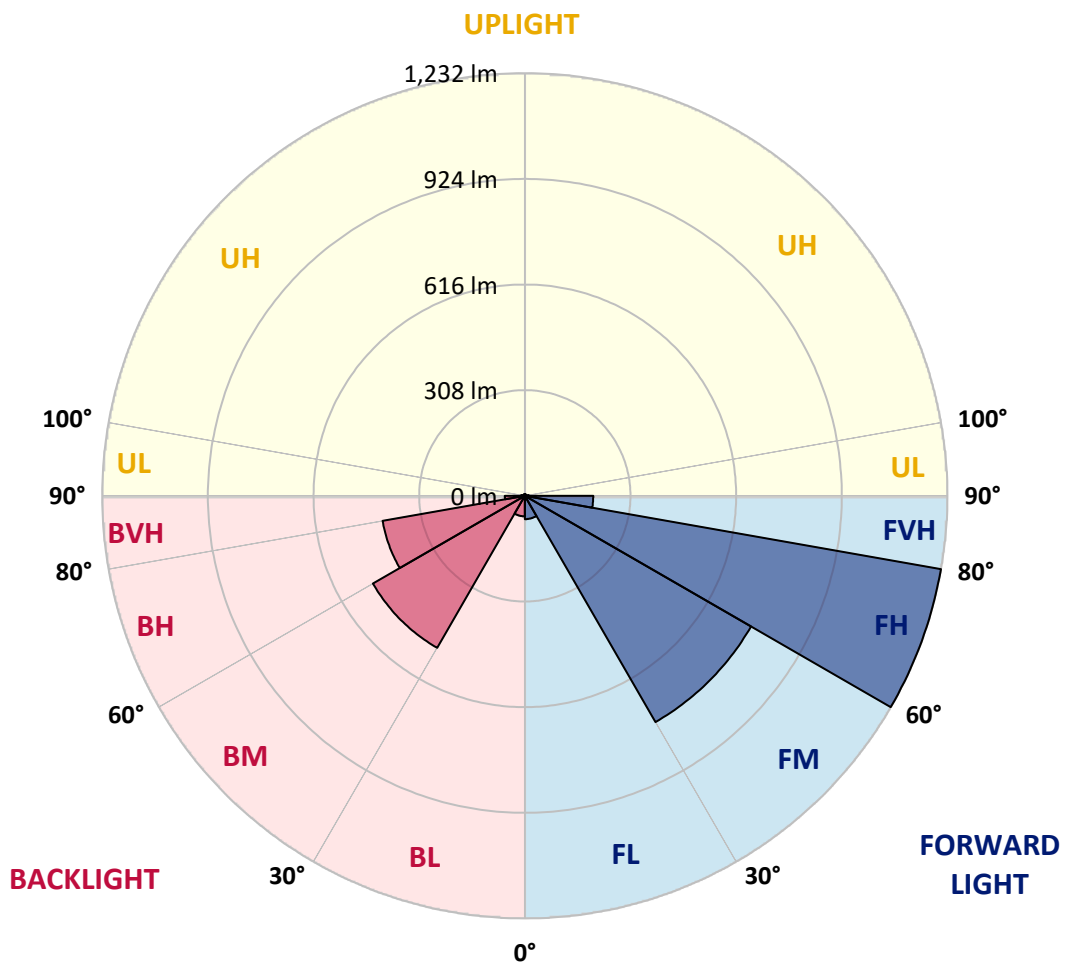


REPORT NUMBER: P821384
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|-------|---------|
| | | | B | U | G |
| FL (0°-30°) | 68.1 | 2.0 | | | |
| FM (30°-60°) | 761.6 | 22.9 | | | |
| FH (60°-80°) | 1231.9 | 37.0 | | | G1/1800 |
| FVH (80°-90°) | 199.5 | 6.0 | | | G2/225 |
| BL (0°-30°) | 60.0 | 1.8 | B0/110 | | |
| BM (30°-60°) | 511.5 | 15.4 | B1/1000 | | |
| BH (60°-80°) | 421.0 | 12.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 58.4 | 1.8 | | | G1/100 |
| UL (90°-100°) | 11.1 | 0.3 | | U2/50 | |
| UH (100°-180°) | 4.8 | 0.1 | | U1/10 | |

BUG Rating: B1-U2-G2
 Type IV Short





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CATALOG NUMBER: TT-D2-740-12VDC-RW-PM-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 79° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 2.5° | 95.4 | 95.4 | 95.4 | 94.5 | 94.5 | 94.5 | 93.7 | 92.9 | 92.0 | 92.0 | 92.0 |
| 5° | 100.3 | 100.3 | 100.3 | 100.3 | 99.5 | 98.7 | 97.9 | 97.0 | 96.2 | 96.2 | 95.4 |
| 7.5° | 107.0 | 106.1 | 107.0 | 106.1 | 106.1 | 105.3 | 104.5 | 103.7 | 102.0 | 102.0 | 101.2 |
| 10° | 113.6 | 113.6 | 113.6 | 113.6 | 113.6 | 112.8 | 112.0 | 111.1 | 110.3 | 109.5 | 108.6 |
| 12.5° | 121.9 | 121.9 | 121.9 | 121.1 | 121.9 | 121.1 | 120.2 | 120.2 | 119.4 | 117.8 | 117.8 |
| 15° | 130.2 | 130.2 | 130.2 | 130.2 | 131.0 | 131.0 | 131.0 | 130.2 | 130.2 | 129.4 | 128.5 |
| 17.5° | 140.1 | 139.3 | 140.1 | 140.1 | 141.0 | 141.8 | 142.6 | 143.5 | 143.5 | 142.6 | 142.6 |
| 20° | 150.9 | 150.1 | 150.9 | 150.9 | 152.6 | 154.2 | 156.7 | 158.4 | 159.2 | 157.6 | 157.6 |
| 22.5° | 162.5 | 161.7 | 163.4 | 163.4 | 165.9 | 168.3 | 172.5 | 174.1 | 176.6 | 175.8 | 175.8 |
| 25° | 176.6 | 175.8 | 176.6 | 177.5 | 180.8 | 184.9 | 189.9 | 194.1 | 196.5 | 196.5 | 197.4 |
| 27.5° | 192.4 | 192.4 | 193.2 | 194.1 | 197.4 | 204.0 | 211.5 | 218.9 | 224.7 | 223.9 | 224.7 |
| 30° | 214.0 | 214.0 | 215.6 | 216.4 | 220.6 | 228.1 | 238.0 | 248.0 | 256.2 | 256.2 | 257.9 |
| 32.5° | 238.0 | 237.2 | 239.7 | 240.5 | 244.6 | 254.6 | 268.7 | 284.4 | 295.2 | 295.2 | 296.9 |
| 35° | 267.0 | 266.2 | 268.7 | 268.7 | 273.7 | 287.8 | 306.0 | 327.6 | 345.8 | 346.6 | 349.1 |
| 37.5° | 303.5 | 301.9 | 301.9 | 304.3 | 310.1 | 328.4 | 353.3 | 383.1 | 402.2 | 403.9 | 408.0 |
| 40° | 346.6 | 345.8 | 347.5 | 346.6 | 354.1 | 376.5 | 408.0 | 442.8 | 465.2 | 469.4 | 474.3 |
| 42.5° | 399.7 | 401.4 | 398.9 | 398.9 | 408.0 | 433.7 | 471.0 | 511.7 | 552.3 | 557.3 | 559.8 |
| 45° | 464.4 | 467.7 | 464.4 | 463.6 | 471.9 | 501.7 | 553.1 | 624.4 | 671.7 | 688.3 | 693.3 |
| 47.5° | 542.3 | 544.0 | 539.9 | 538.2 | 547.3 | 585.5 | 651.8 | 731.4 | 787.0 | 799.4 | 812.7 |
| 50° | 629.4 | 626.9 | 623.6 | 621.1 | 638.5 | 685.8 | 762.9 | 845.0 | 940.4 | 942.1 | 947.0 |
| 52.5° | 719.0 | 711.5 | 712.3 | 711.5 | 735.6 | 787.0 | 889.8 | 1029.1 | 1174.3 | 1204.1 | 1207.4 |
| 55° | 808.5 | 799.4 | 798.6 | 806.9 | 840.9 | 914.7 | 1044.1 | 1224.8 | 1342.6 | 1360.8 | 1358.4 |
| 57.5° | 898.1 | 894.0 | 892.3 | 899.8 | 949.5 | 1037.4 | 1183.4 | 1336.0 | 1436.3 | 1434.6 | 1417.2 |
| 60° | 991.0 | 994.3 | 988.5 | 1002.6 | 1054.0 | 1141.9 | 1248.1 | 1396.5 | 1489.4 | 1481.9 | 1464.5 |
| 62.5° | 1086.4 | 1094.6 | 1088.8 | 1090.5 | 1123.7 | 1188.4 | 1292.8 | 1465.3 | 1593.9 | 1604.6 | 1584.7 |
| 65° | 1180.9 | 1186.7 | 1177.6 | 1151.9 | 1170.1 | 1230.6 | 1379.9 | 1545.8 | 1643.6 | 1653.6 | 1638.6 |
| 67.5° | 1260.5 | 1266.3 | 1234.8 | 1194.2 | 1196.6 | 1240.6 | 1371.6 | 1530.0 | 1617.1 | 1610.5 | 1586.4 |
| 70° | 1328.5 | 1317.7 | 1266.3 | 1196.6 | 1167.6 | 1188.4 | 1311.9 | 1452.1 | 1540.8 | 1537.5 | 1509.3 |
| 72.5° | 1350.9 | 1336.8 | 1249.7 | 1141.9 | 1084.7 | 1092.2 | 1212.4 | 1337.6 | 1409.8 | 1415.6 | 1381.6 |
| 75° | 1315.2 | 1291.2 | 1171.8 | 1036.6 | 962.8 | 967.8 | 1070.6 | 1185.9 | 1243.9 | 1237.3 | 1210.7 |
| 77.5° | 1186.7 | 1162.6 | 1033.3 | 889.0 | 816.8 | 824.3 | 905.6 | 996.0 | 1044.1 | 1041.6 | 1023.3 |
| 80° | 985.2 | 963.6 | 850.0 | 715.7 | 650.2 | 654.3 | 716.5 | 787.8 | 825.1 | 833.4 | 823.5 |
| 82.5° | 728.1 | 713.2 | 632.7 | 524.1 | 471.0 | 470.2 | 517.5 | 572.2 | 608.7 | 626.1 | 619.5 |
| 85° | 450.3 | 442.8 | 398.1 | 327.6 | 290.2 | 289.4 | 317.6 | 358.2 | 391.4 | 414.6 | 399.7 |
| 87.5° | 179.1 | 176.6 | 163.4 | 131.9 | 115.3 | 109.5 | 102.8 | 128.5 | 131.0 | 155.1 | 154.2 |
| 90° | 44.0 | 43.1 | 42.3 | 39.8 | 35.7 | 30.7 | 24.9 | 18.2 | 11.6 | 9.1 | 5.0 |
| 92.5° | 39.0 | 39.0 | 38.1 | 35.7 | 32.3 | 27.4 | 22.4 | 16.6 | 10.8 | 8.3 | 4.1 |
| 95° | 31.5 | 31.5 | 30.7 | 29.0 | 25.7 | 22.4 | 17.4 | 13.3 | 8.3 | 6.6 | 3.3 |
| 97.5° | 24.0 | 23.2 | 23.2 | 21.6 | 19.9 | 16.6 | 13.3 | 10.0 | 6.6 | 5.0 | 2.5 |
| 100° | 17.4 | 17.4 | 16.6 | 15.8 | 14.1 | 12.4 | 10.0 | 7.5 | 4.1 | 3.3 | 1.7 |
| 102.5° | 12.4 | 11.6 | 11.6 | 11.6 | 10.0 | 8.3 | 6.6 | 5.0 | 3.3 | 2.5 | 0.8 |
| 105° | 8.3 | 7.5 | 7.5 | 7.5 | 6.6 | 5.8 | 4.1 | 3.3 | 1.7 | 1.7 | 0.8 |
| 107.5° | 5.0 | 5.0 | 5.0 | 5.0 | 4.1 | 3.3 | 2.5 | 1.7 | 0.8 | 0.8 | 0.8 |
| 110° | 2.5 | 2.5 | 2.5 | 3.3 | 2.5 | 2.5 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 |



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 CATALOG NUMBER: TT-D2-740-12VDC-RW-PM-HSS

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 79° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 115° | 0.8 | 0.8 | 0.8 | 1.7 | 1.7 | 0.8 | 0.8 | 0.0 | 0.0 | 0.8 | 0.8 |
| 117.5° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| 120° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| 122.5° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| 125° | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| 130° | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| 135° | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.8 | 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 |



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CATALOG NUMBER: TT-D2-740-12VDC-RW-PM-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 2.5° | 91.2 | 91.2 | 91.2 | 90.4 | 90.4 | 90.4 | 89.6 | 89.6 | 88.7 | 88.7 | 88.7 |
| 5° | 94.5 | 94.5 | 93.7 | 93.7 | 92.9 | 92.0 | 92.0 | 91.2 | 91.2 | 90.4 | 90.4 |
| 7.5° | 100.3 | 100.3 | 99.5 | 98.7 | 97.0 | 96.2 | 95.4 | 94.5 | 94.5 | 93.7 | 93.7 |
| 10° | 107.8 | 107.8 | 106.1 | 104.5 | 102.8 | 101.2 | 100.3 | 98.7 | 97.9 | 97.9 | 97.9 |
| 12.5° | 116.9 | 116.1 | 114.4 | 112.0 | 110.3 | 107.8 | 106.1 | 104.5 | 102.8 | 102.8 | 102.8 |
| 15° | 127.7 | 127.7 | 124.4 | 121.9 | 118.6 | 115.3 | 112.8 | 110.3 | 108.6 | 107.8 | 107.8 |
| 17.5° | 141.0 | 141.0 | 136.8 | 132.7 | 128.5 | 124.4 | 121.1 | 117.8 | 116.1 | 115.3 | 115.3 |
| 20° | 155.9 | 155.9 | 151.8 | 146.8 | 141.0 | 135.2 | 130.2 | 126.0 | 123.6 | 122.7 | 122.7 |
| 22.5° | 174.1 | 174.1 | 168.3 | 161.7 | 154.2 | 146.0 | 139.3 | 134.3 | 131.9 | 130.2 | 130.2 |
| 25° | 194.9 | 193.2 | 187.4 | 179.1 | 168.3 | 158.4 | 149.3 | 144.3 | 141.0 | 138.5 | 139.3 |
| 27.5° | 223.1 | 220.6 | 213.1 | 199.0 | 185.8 | 172.5 | 161.7 | 155.1 | 150.9 | 149.3 | 150.1 |
| 30° | 255.4 | 252.9 | 242.1 | 226.4 | 206.5 | 189.1 | 175.8 | 168.3 | 164.2 | 161.7 | 162.5 |
| 32.5° | 294.4 | 291.1 | 277.8 | 256.2 | 233.0 | 208.1 | 191.6 | 182.4 | 178.3 | 175.8 | 175.0 |
| 35° | 345.8 | 341.7 | 325.1 | 295.2 | 262.9 | 233.0 | 209.8 | 198.2 | 194.1 | 191.6 | 192.4 |
| 37.5° | 403.9 | 398.1 | 375.7 | 339.2 | 298.5 | 260.4 | 233.9 | 218.9 | 214.0 | 209.8 | 209.8 |
| 40° | 470.2 | 463.6 | 434.5 | 386.4 | 337.5 | 290.2 | 256.2 | 239.7 | 233.9 | 233.9 | 233.9 |
| 42.5° | 553.1 | 546.5 | 513.3 | 442.8 | 378.1 | 322.6 | 282.0 | 262.9 | 257.1 | 258.7 | 258.7 |
| 45° | 681.7 | 672.5 | 619.5 | 526.6 | 431.2 | 355.8 | 308.5 | 286.9 | 282.8 | 286.9 | 286.9 |
| 47.5° | 799.4 | 787.8 | 709.9 | 604.5 | 483.5 | 388.9 | 335.0 | 310.1 | 308.5 | 317.6 | 317.6 |
| 50° | 931.3 | 916.3 | 834.3 | 667.6 | 525.8 | 425.4 | 359.1 | 329.2 | 330.1 | 343.3 | 347.5 |
| 52.5° | 1186.7 | 1170.9 | 1029.1 | 782.0 | 571.4 | 438.7 | 369.0 | 333.4 | 333.4 | 348.3 | 354.1 |
| 55° | 1338.5 | 1306.1 | 1121.2 | 856.6 | 590.4 | 454.4 | 364.9 | 316.8 | 315.1 | 331.7 | 336.7 |
| 57.5° | 1388.2 | 1355.0 | 1140.3 | 835.1 | 578.0 | 434.5 | 340.8 | 272.0 | 268.7 | 290.2 | 288.6 |
| 60° | 1428.8 | 1384.9 | 1109.6 | 762.9 | 507.5 | 392.2 | 294.4 | 202.3 | 188.2 | 207.3 | 206.5 |
| 62.5° | 1543.3 | 1496.0 | 1111.2 | 678.3 | 424.6 | 327.6 | 221.4 | 113.6 | 84.6 | 99.5 | 92.9 |
| 65° | 1600.5 | 1554.1 | 1128.6 | 638.5 | 382.3 | 271.2 | 158.4 | 46.4 | 3.3 | 3.3 | 1.7 |
| 67.5° | 1551.6 | 1510.1 | 1106.3 | 628.6 | 376.5 | 269.5 | 160.9 | 45.6 | 0.0 | 0.0 | 0.0 |
| 70° | 1480.3 | 1440.5 | 1054.8 | 593.8 | 357.4 | 259.6 | 157.6 | 45.6 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1355.0 | 1314.4 | 966.1 | 544.0 | 328.4 | 238.0 | 146.0 | 43.1 | 0.0 | 0.0 | 0.0 |
| 75° | 1190.0 | 1159.3 | 853.3 | 479.3 | 289.4 | 209.8 | 129.4 | 38.1 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1007.6 | 971.1 | 715.7 | 398.9 | 242.1 | 174.1 | 109.5 | 31.5 | 0.0 | 0.0 | 0.0 |
| 80° | 808.5 | 782.0 | 563.9 | 312.6 | 187.4 | 136.0 | 85.4 | 24.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 601.2 | 578.8 | 417.1 | 223.9 | 133.5 | 94.5 | 58.9 | 15.8 | 0.0 | 0.0 | 0.0 |
| 85° | 394.7 | 388.9 | 267.9 | 136.0 | 79.6 | 52.2 | 31.5 | 7.5 | 0.0 | 0.0 | 0.0 |
| 87.5° | 142.6 | 147.6 | 97.9 | 39.0 | 21.6 | 9.1 | 4.1 | 0.8 | 0.0 | 0.0 | 0.0 |
| 90° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 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)