

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: CORELITE

Report Number: P189075

Luminaire Tested: **DRI-WD-3L35-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34833)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WD-3L35-UNV-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

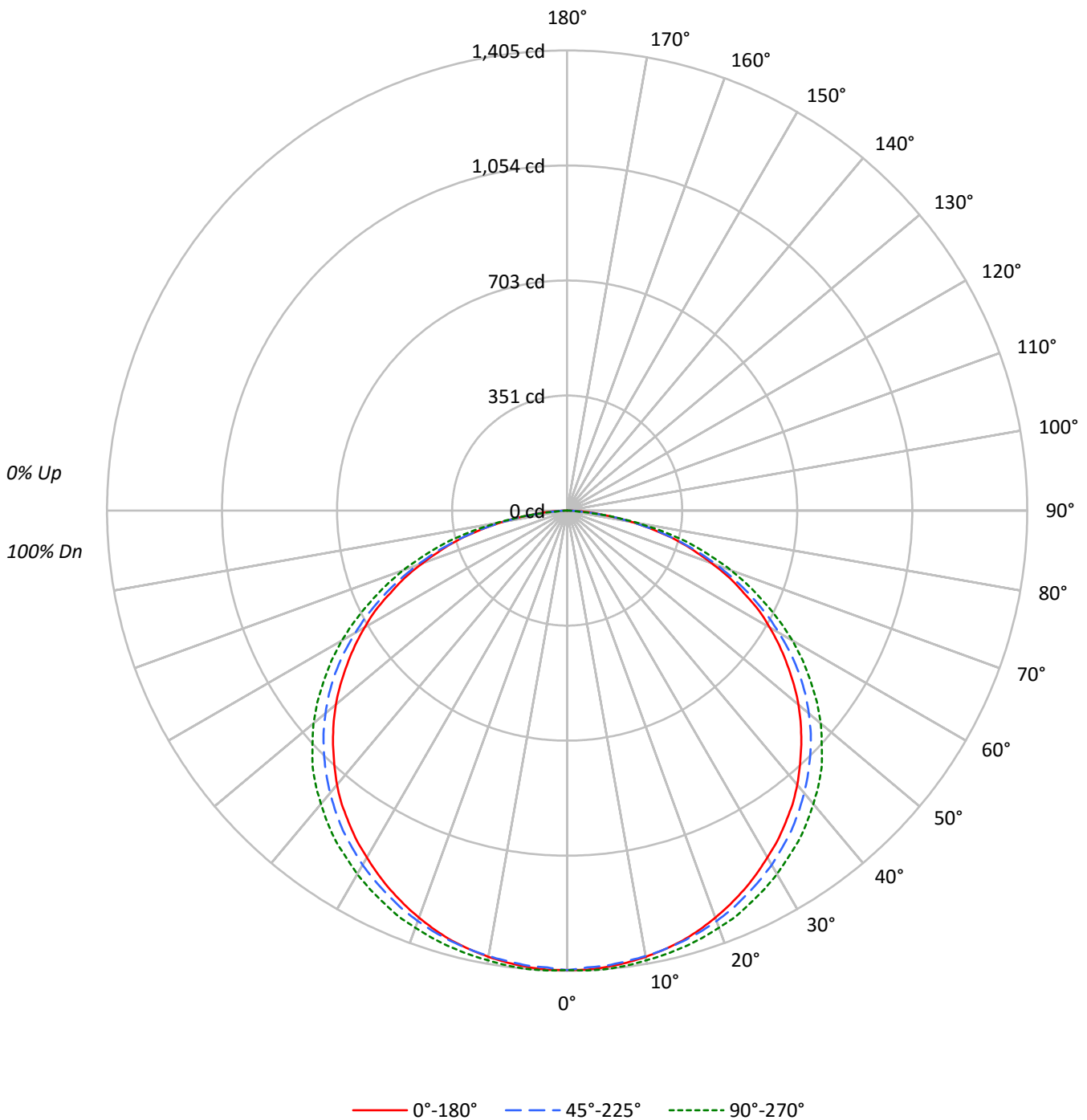
Lumens per Lamp: N/A
Luminaire Lumens: 4525.9 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.46
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 33.6
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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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 | | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | | 50 | 30 | 10 | | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | | 106 | 106 | 106 | | 102 | 102 | 102 | 100 |
| 1 | 108 | 103 | 99 | 95 | 106 | 101 | 97 | 93 | 97 | 93 | 90 | | 93 | 90 | 87 | | 89 | 87 | 85 | 83 |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 81 | 75 | 84 | 78 | 74 | | 81 | 76 | 72 | | 77 | 74 | 70 | 68 |
| 3 | 89 | 78 | 69 | 63 | 86 | 76 | 68 | 62 | 73 | 67 | 61 | | 71 | 65 | 60 | | 68 | 63 | 59 | 57 |
| 4 | 81 | 69 | 60 | 53 | 79 | 67 | 59 | 52 | 65 | 57 | 51 | | 62 | 56 | 51 | | 60 | 55 | 50 | 48 |
| 5 | 74 | 61 | 52 | 45 | 72 | 60 | 51 | 45 | 58 | 50 | 44 | | 56 | 49 | 44 | | 54 | 48 | 43 | 41 |
| 6 | 69 | 55 | 46 | 39 | 67 | 54 | 45 | 39 | 52 | 44 | 38 | | 50 | 43 | 38 | | 49 | 42 | 38 | 36 |
| 7 | 63 | 50 | 40 | 34 | 62 | 49 | 40 | 34 | 47 | 39 | 34 | | 46 | 39 | 34 | | 44 | 38 | 33 | 31 |
| 8 | 59 | 45 | 36 | 30 | 57 | 44 | 36 | 30 | 43 | 35 | 30 | | 42 | 35 | 30 | | 41 | 34 | 30 | 28 |
| 9 | 55 | 41 | 33 | 27 | 54 | 41 | 33 | 27 | 39 | 32 | 27 | | 38 | 32 | 27 | | 37 | 31 | 27 | 25 |
| 10 | 52 | 38 | 30 | 25 | 50 | 37 | 30 | 24 | 36 | 29 | 24 | | 36 | 29 | 24 | | 35 | 29 | 24 | 22 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4111 | 4111 | 4111 |
| 5° | 4114 | 4101 | 4133 |
| 10° | 4116 | 4110 | 4149 |
| 15° | 4125 | 4131 | 4184 |
| 20° | 4125 | 4159 | 4226 |
| 25° | 4130 | 4186 | 4277 |
| 30° | 4139 | 4227 | 4337 |
| 35° | 4159 | 4267 | 4407 |
| 40° | 4182 | 4306 | 4472 |
| 45° | 4190 | 4351 | 4558 |
| 50° | 4205 | 4392 | 4609 |
| 55° | 4192 | 4413 | 4634 |
| 60° | 4187 | 4378 | 4656 |
| 65° | 4128 | 4308 | 4608 |
| 70° | 4025 | 4174 | 4563 |
| 75° | 3873 | 3922 | 4388 |
| 80° | 3361 | 3361 | 3690 |
| 85° | 2474 | 2111 | 1456 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 133.1 | 2.9 |
| 10°-20° | 386.1 | 8.5 |
| 20°-30° | 599.3 | 13.2 |
| 30°-40° | 748.1 | 16.5 |
| 40°-50° | 812.4 | 18.0 |
| 50°-60° | 771.9 | 17.1 |
| 60°-70° | 619.4 | 13.7 |
| 70°-80° | 372.3 | 8.2 |
| 80°-90° | 83.2 | 1.8 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1118.6 | 24.7 |
| 0°-40° | 1866.7 | 41.2 |
| 0°-60° | 3451.0 | 76.3 |
| 0°-90° | 4525.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4525.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1403 | 1403 | 1403 | 1403 | 1403 | |
| 5° | 1399 | 1399 | 1394 | 1401 | 1405 | 133 |
| 15° | 1360 | 1360 | 1362 | 1375 | 1379 | 384 |
| 25° | 1277 | 1284 | 1295 | 1316 | 1323 | 589 |
| 35° | 1163 | 1171 | 1193 | 1219 | 1232 | 728 |
| 45° | 1011 | 1024 | 1050 | 1085 | 1100 | 780 |
| 55° | 821 | 836 | 864 | 894 | 907 | 734 |
| 65° | 595 | 604 | 621 | 652 | 665 | 590 |
| 75° | 342 | 342 | 346 | 372 | 388 | 356 |
| 85° | 74 | 69 | 63 | 52 | 43 | 90 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P189075

CATALOG NUMBER: DRI-WD-3L35-UNV-14-T1-STD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1403.0 | 1403.0 | 1403.0 | 1403.0 | 1403.0 |
| 2.5° | 1403.0 | 1403.0 | 1396.5 | 1405.2 | 1405.2 |
| 5° | 1398.7 | 1398.7 | 1394.4 | 1400.9 | 1405.2 |
| 7.5° | 1392.2 | 1392.2 | 1387.9 | 1396.5 | 1400.9 |
| 10° | 1383.5 | 1383.5 | 1381.4 | 1390.0 | 1394.4 |
| 12.5° | 1372.7 | 1374.9 | 1372.7 | 1383.5 | 1387.9 |
| 15° | 1359.7 | 1359.7 | 1361.9 | 1374.9 | 1379.2 |
| 17.5° | 1342.4 | 1344.6 | 1348.9 | 1361.9 | 1368.4 |
| 20° | 1322.9 | 1327.2 | 1333.7 | 1348.9 | 1355.4 |
| 22.5° | 1301.3 | 1307.8 | 1316.4 | 1333.7 | 1342.4 |
| 25° | 1277.4 | 1283.9 | 1294.8 | 1316.4 | 1322.9 |
| 27.5° | 1251.5 | 1260.1 | 1273.1 | 1294.8 | 1303.4 |
| 30° | 1223.3 | 1232.0 | 1249.3 | 1271.0 | 1281.8 |
| 32.5° | 1195.2 | 1203.8 | 1221.2 | 1245.0 | 1255.8 |
| 35° | 1162.7 | 1171.4 | 1193.0 | 1219.0 | 1232.0 |
| 37.5° | 1130.2 | 1138.9 | 1160.5 | 1188.7 | 1201.7 |
| 40° | 1093.4 | 1104.2 | 1125.9 | 1156.2 | 1169.2 |
| 42.5° | 1052.3 | 1063.1 | 1089.1 | 1123.7 | 1136.7 |
| 45° | 1011.1 | 1024.1 | 1050.1 | 1084.7 | 1099.9 |
| 47.5° | 967.8 | 980.8 | 1009.0 | 1043.6 | 1054.4 |
| 50° | 922.4 | 935.4 | 963.5 | 998.1 | 1011.1 |
| 52.5° | 872.6 | 889.9 | 915.9 | 948.3 | 961.3 |
| 55° | 820.6 | 835.8 | 863.9 | 894.2 | 907.2 |
| 57.5° | 768.6 | 781.6 | 807.6 | 837.9 | 853.1 |
| 60° | 714.5 | 723.2 | 747.0 | 777.3 | 794.6 |
| 62.5° | 660.4 | 666.9 | 686.4 | 714.5 | 731.8 |
| 65° | 595.4 | 604.1 | 621.4 | 651.7 | 664.7 |
| 67.5° | 537.0 | 541.3 | 554.3 | 584.6 | 599.8 |
| 70° | 469.8 | 476.3 | 487.2 | 513.1 | 532.6 |
| 72.5° | 404.9 | 409.2 | 417.9 | 441.7 | 459.0 |
| 75° | 342.1 | 342.1 | 346.4 | 372.4 | 387.6 |
| 77.5° | 268.5 | 270.6 | 272.8 | 294.5 | 305.3 |
| 80° | 199.2 | 199.2 | 199.2 | 207.9 | 218.7 |
| 82.5° | 132.1 | 129.9 | 127.7 | 129.9 | 134.2 |
| 85° | 73.6 | 69.3 | 62.8 | 52.0 | 43.3 |
| 87.5° | 26.0 | 21.7 | 8.7 | 6.5 | 6.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)