

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: P506400

Luminaire Tested: **22PD-60-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PW1-L935
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

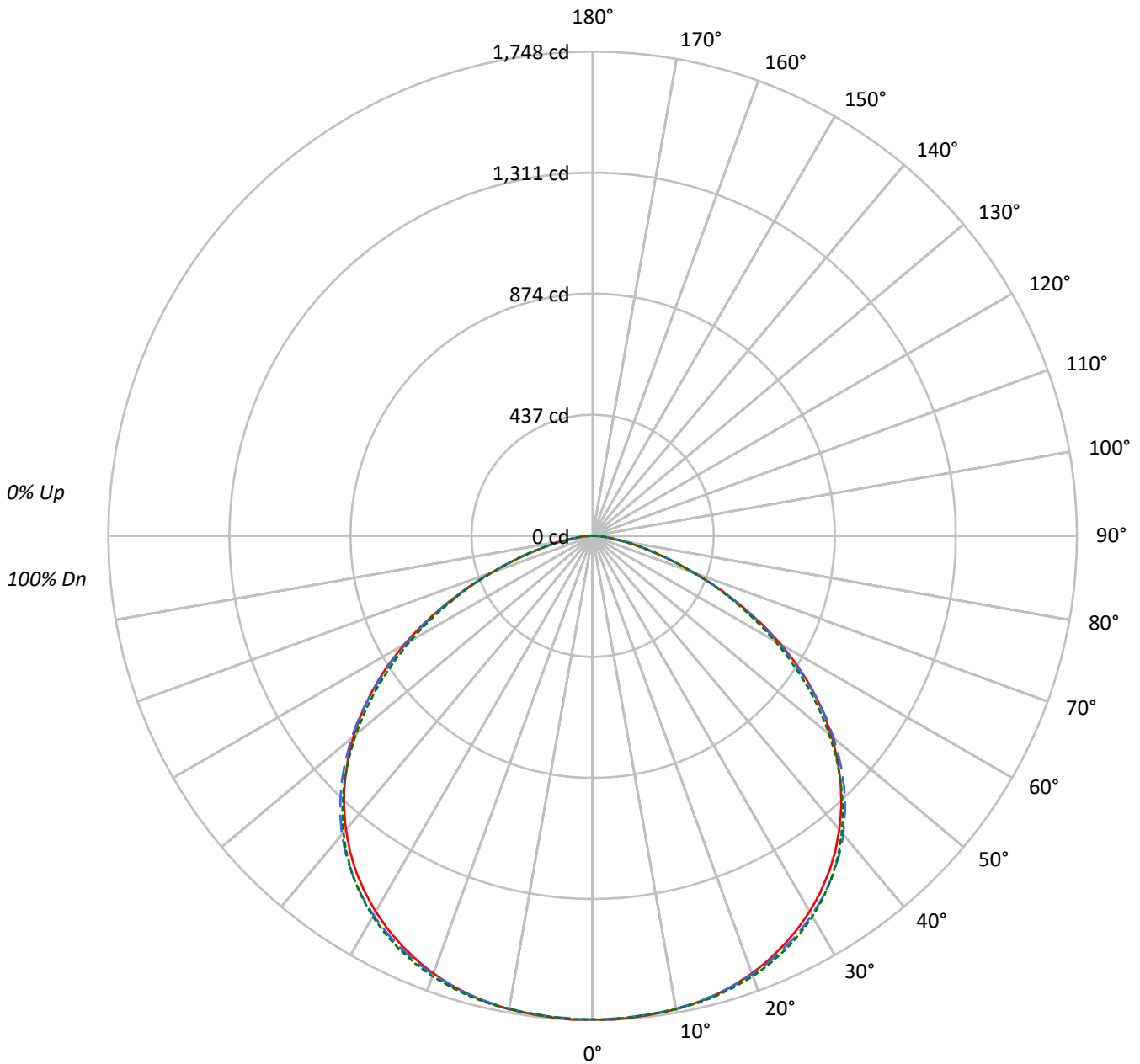
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5048.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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

TEST NUMBER: P506400
CATALOG NUMBER: 22PD-60-PW1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P506400

CATALOG NUMBER: 22PD-60-PW1-L935

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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | 100 |
| 1 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 | | | 85 |
| 2 | 100 | 92 | 85 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 77 | 83 | 79 | 75 | 80 | 77 | 74 | 72 | | | 72 |
| 3 | 91 | 81 | 73 | 67 | 89 | 79 | 72 | 66 | 76 | 70 | 65 | 74 | 68 | 64 | 71 | 67 | 63 | 61 | | | 61 |
| 4 | 83 | 72 | 63 | 57 | 81 | 70 | 62 | 56 | 68 | 61 | 55 | 66 | 60 | 55 | 63 | 58 | 54 | 52 | | | 52 |
| 5 | 77 | 64 | 55 | 49 | 75 | 63 | 55 | 48 | 61 | 54 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 45 | | | 45 |
| 6 | 71 | 58 | 49 | 42 | 69 | 57 | 48 | 42 | 55 | 47 | 42 | 53 | 47 | 42 | 52 | 46 | 41 | 39 | | | 39 |
| 7 | 66 | 52 | 44 | 37 | 64 | 51 | 43 | 37 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 35 | | | 35 |
| 8 | 61 | 48 | 39 | 33 | 59 | 47 | 39 | 33 | 46 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 31 | | | 31 |
| 9 | 57 | 44 | 35 | 30 | 56 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 29 | 28 | | | 28 |
| 10 | 53 | 40 | 32 | 27 | 52 | 40 | 32 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 37 | 31 | 27 | 25 | | | 25 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4699 | 4699 | 4699 |
| 5° | 4712 | 4705 | 4707 |
| 10° | 4743 | 4736 | 4741 |
| 15° | 4780 | 4778 | 4792 |
| 20° | 4815 | 4826 | 4845 |
| 25° | 4844 | 4872 | 4894 |
| 30° | 4868 | 4914 | 4932 |
| 35° | 4880 | 4943 | 4945 |
| 40° | 4865 | 4944 | 4915 |
| 45° | 4817 | 4886 | 4826 |
| 50° | 4719 | 4753 | 4667 |
| 55° | 4536 | 4515 | 4430 |
| 60° | 4222 | 4175 | 4088 |
| 65° | 3724 | 3688 | 3617 |
| 70° | 3050 | 3065 | 3000 |
| 75° | 2310 | 2388 | 2368 |
| 80° | 1674 | 1740 | 1712 |
| 85° | 1099 | 1136 | 1213 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 166.0 | 3.3 |
| 10°-20° | 485.0 | 9.6 |
| 20°-30° | 756.1 | 15.0 |
| 30°-40° | 937.2 | 18.6 |
| 40°-50° | 980.7 | 19.4 |
| 50°-60° | 854.6 | 16.9 |
| 60°-70° | 572.5 | 11.3 |
| 70°-80° | 248.1 | 4.9 |
| 80°-90° | 47.8 | 0.9 |
| 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° | 1407.2 | 27.9 |
| 0°-40° | 2344.4 | 46.4 |
| 0°-60° | 4179.6 | 82.8 |
| 0°-90° | 5048.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5048.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1746 | 1746 | 1746 | 1746 | 1746 | |
| 5° | 1744 | 1743 | 1742 | 1741 | 1743 | 166 |
| 15° | 1716 | 1713 | 1715 | 1717 | 1720 | 485 |
| 25° | 1632 | 1632 | 1641 | 1646 | 1648 | 752 |
| 35° | 1485 | 1491 | 1505 | 1507 | 1505 | 929 |
| 45° | 1266 | 1273 | 1284 | 1273 | 1268 | 975 |
| 55° | 967 | 966 | 962 | 952 | 944 | 861 |
| 65° | 585 | 582 | 579 | 574 | 568 | 578 |
| 75° | 222 | 226 | 230 | 228 | 228 | 245 |
| 85° | 36 | 38 | 37 | 37 | 39 | 46 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P506400

CATALOG NUMBER: 22PD-60-PW1-L935

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1746.3 | 1746.3 | 1746.3 | 1746.3 | 1746.3 |
| 2.5° | 1748.2 | 1745.1 | 1744.4 | 1744.4 | 1746.3 |
| 5° | 1744.4 | 1742.6 | 1741.9 | 1741.3 | 1742.6 |
| 7.5° | 1740.7 | 1738.2 | 1738.8 | 1737.6 | 1738.8 |
| 10° | 1735.7 | 1733.2 | 1733.2 | 1733.2 | 1735.1 |
| 12.5° | 1727.0 | 1725.1 | 1725.7 | 1727.0 | 1729.5 |
| 15° | 1715.7 | 1713.2 | 1715.1 | 1717.0 | 1720.1 |
| 17.5° | 1700.1 | 1698.3 | 1701.4 | 1704.5 | 1707.0 |
| 20° | 1681.4 | 1679.5 | 1685.1 | 1689.5 | 1692.0 |
| 22.5° | 1658.3 | 1657.7 | 1665.2 | 1670.2 | 1672.0 |
| 25° | 1631.5 | 1632.1 | 1640.8 | 1645.8 | 1648.3 |
| 27.5° | 1600.9 | 1602.1 | 1613.4 | 1617.7 | 1620.2 |
| 30° | 1566.6 | 1569.7 | 1581.5 | 1585.3 | 1587.2 |
| 32.5° | 1527.9 | 1532.2 | 1546.6 | 1549.1 | 1549.1 |
| 35° | 1485.4 | 1491.0 | 1504.8 | 1506.6 | 1505.4 |
| 37.5° | 1438.0 | 1444.2 | 1459.8 | 1457.3 | 1455.5 |
| 40° | 1384.9 | 1391.8 | 1407.4 | 1402.4 | 1399.3 |
| 42.5° | 1328.1 | 1335.0 | 1348.7 | 1341.3 | 1336.9 |
| 45° | 1265.7 | 1272.6 | 1283.8 | 1273.2 | 1268.2 |
| 47.5° | 1198.3 | 1206.4 | 1212.1 | 1200.2 | 1194.0 |
| 50° | 1127.2 | 1129.7 | 1135.3 | 1121.6 | 1114.7 |
| 52.5° | 1049.8 | 1049.8 | 1054.2 | 1039.2 | 1031.1 |
| 55° | 966.8 | 966.2 | 962.4 | 951.8 | 944.3 |
| 57.5° | 878.8 | 875.0 | 872.5 | 861.3 | 852.6 |
| 60° | 784.5 | 778.9 | 775.8 | 766.4 | 759.6 |
| 62.5° | 685.9 | 682.8 | 679.1 | 671.6 | 664.1 |
| 65° | 584.8 | 581.7 | 579.2 | 573.6 | 568.0 |
| 67.5° | 484.3 | 482.5 | 482.5 | 478.7 | 478.1 |
| 70° | 387.6 | 388.8 | 389.5 | 389.5 | 381.3 |
| 72.5° | 300.2 | 300.8 | 304.0 | 301.5 | 300.8 |
| 75° | 222.2 | 225.9 | 229.7 | 227.8 | 227.8 |
| 77.5° | 159.8 | 165.4 | 165.4 | 164.1 | 162.3 |
| 80° | 108.0 | 110.5 | 112.3 | 111.7 | 110.5 |
| 82.5° | 68.7 | 70.5 | 68.7 | 69.9 | 70.5 |
| 85° | 35.6 | 38.1 | 36.8 | 37.4 | 39.3 |
| 87.5° | 11.9 | 13.1 | 13.7 | 13.1 | 13.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)