

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: HALO

Report Number: P184315

Luminaire Tested: **L80808FL9030MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P184315  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27060)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L80808FL9030MB  
Description: HALO TRACK L LED 08, 850 LM, FLOOD, MATTE BLACK  
  
Light Source: EATON LED 3000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 901.3 lumens  
Efficiency: N/A  
Efficacy: 75.7 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.62  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

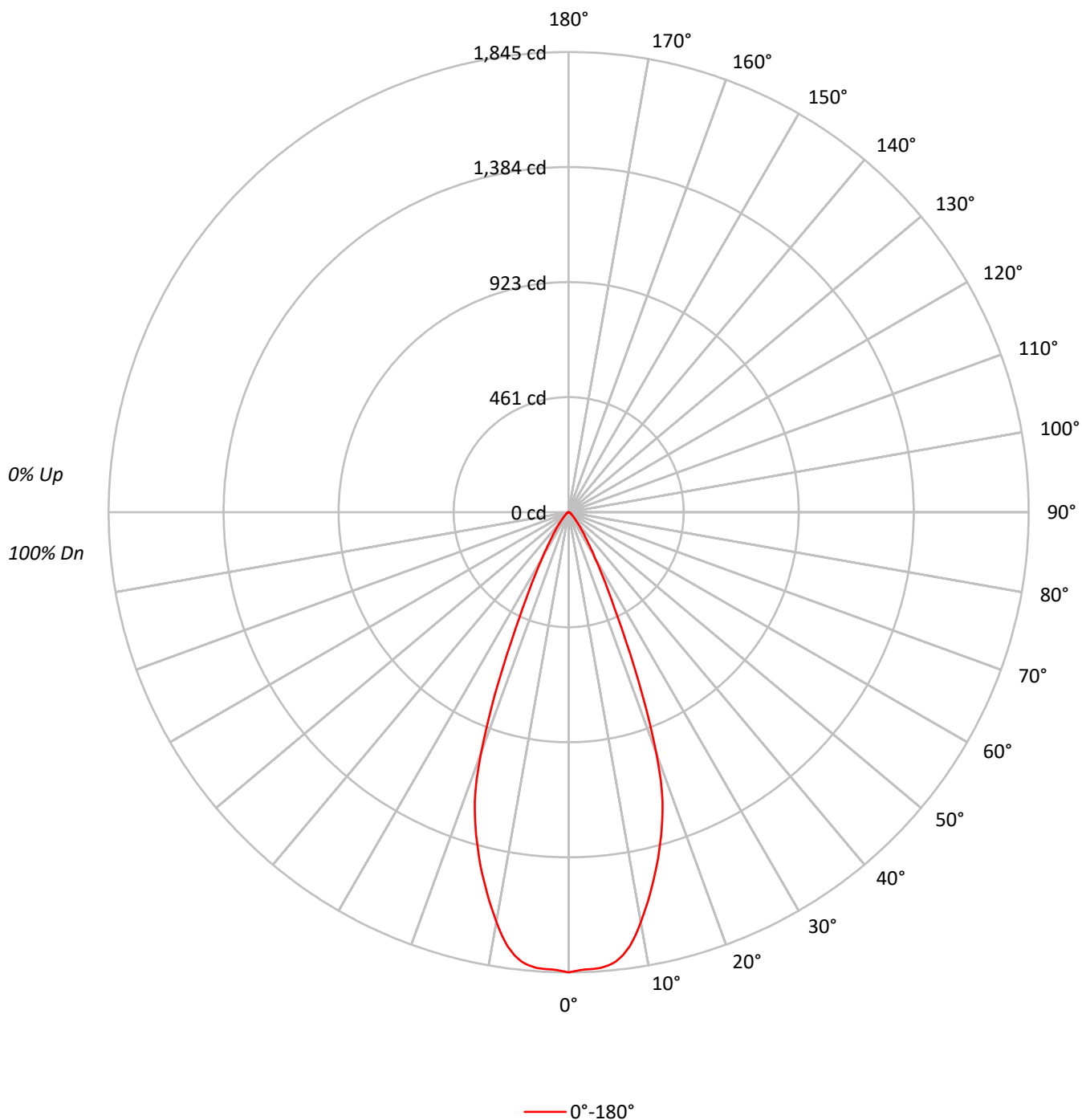
Input Watts (W): 11.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  |     |     |  |  | 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   | 114 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 106 | 104 | 102 | 102 | 101 | 99  | 98  | 97  | 97  | 95  |  |  |    |
| 2   | 109 | 105 | 102 | 99  | 107 | 103 | 100 | 97  | 100 | 98  | 95  | 97  | 95  | 93  | 95  | 93  | 91  | 90  |  |  |    |
| 3   | 105 | 99  | 95  | 92  | 103 | 98  | 94  | 91  | 95  | 92  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 85  |  |  |    |
| 4   | 101 | 94  | 89  | 86  | 99  | 93  | 89  | 85  | 91  | 87  | 84  | 89  | 86  | 83  | 87  | 85  | 82  | 81  |  |  |    |
| 5   | 97  | 90  | 85  | 81  | 95  | 89  | 84  | 80  | 87  | 83  | 80  | 85  | 82  | 79  | 84  | 81  | 78  | 77  |  |  |    |
| 6   | 93  | 85  | 80  | 77  | 92  | 85  | 80  | 76  | 83  | 79  | 76  | 82  | 78  | 75  | 81  | 77  | 75  | 74  |  |  |    |
| 7   | 89  | 81  | 76  | 73  | 88  | 81  | 76  | 73  | 80  | 75  | 72  | 79  | 75  | 72  | 78  | 74  | 72  | 70  |  |  |    |
| 8   | 86  | 78  | 73  | 69  | 85  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 72  | 69  | 75  | 71  | 68  | 67  |  |  |    |
| 9   | 83  | 75  | 70  | 66  | 82  | 74  | 70  | 66  | 73  | 69  | 66  | 73  | 69  | 66  | 72  | 68  | 66  | 65  |  |  |    |
| 10  | 80  | 72  | 67  | 64  | 79  | 71  | 67  | 64  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 66  | 63  | 62  |  |  |    |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     |
|-----|--------|
| 0°  | 404617 |
| 5°  | 401562 |
| 10° | 371291 |
| 15° | 318731 |
| 20° | 240284 |
| 25° | 112821 |
| 30° | 53198  |
| 35° | 27438  |
| 40° | 15257  |
| 45° | 8745   |
| 50° | 5697   |
| 55° | 4014   |
| 60° | 3201   |
| 65° | 3269   |
| 70° | 3334   |
| 75° | 2626   |
| 80° | 2652   |
| 85° | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 169.4  | 18.8      |
| 10°-20°   | 384.7  | 42.7      |
| 20°-30°   | 233.8  | 25.9      |
| 30°-40°   | 69.2   | 7.7       |
| 40°-50°   | 23.6   | 2.6       |
| 50°-60°   | 10.1   | 1.1       |
| 60°-70°   | 6.2    | 0.7       |
| 70°-80°   | 3.7    | 0.4       |
| 80°-90°   | 0.6    | 0.1       |
| 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°    | 787.9  | 87.4      |
| 0°-40°    | 857.1  | 95.1      |
| 0°-60°    | 890.9  | 98.8      |
| 0°-90°    | 901.3  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 901.3  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1845 |      |
| 5°  | 1824 | 169  |
| 15° | 1404 | 385  |
| 25° | 466  | 234  |
| 35° | 102  | 69   |
| 45° | 28   | 24   |
| 55° | 10   | 10   |
| 65° | 6    | 6    |
| 75° | 3    | 4    |
| 85° | 0    | 1    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1845.2 |
| 1°    | 1838.9 |
| 2°    | 1834.7 |
| 3°    | 1833.7 |
| 4°    | 1831.6 |
| 5°    | 1824.3 |
| 6°    | 1811.7 |
| 7°    | 1789.8 |
| 8°    | 1758.4 |
| 9°    | 1716.6 |
| 10°   | 1667.5 |
| 11°   | 1618.3 |
| 12°   | 1566.0 |
| 13°   | 1513.8 |
| 14°   | 1460.5 |
| 15°   | 1404.0 |
| 16°   | 1346.5 |
| 17°   | 1284.8 |
| 18°   | 1217.9 |
| 19°   | 1135.3 |
| 20°   | 1029.7 |
| 21°   | 910.6  |
| 22°   | 789.3  |
| 23°   | 674.3  |
| 24°   | 564.5  |
| 25°   | 466.3  |
| 26°   | 395.2  |
| 27°   | 341.9  |
| 28°   | 293.8  |
| 29°   | 249.9  |
| 30°   | 210.1  |
| 32.5° | 145.3  |
| 35°   | 102.5  |
| 37.5° | 73.2   |
| 40°   | 53.3   |
| 42.5° | 38.7   |
| 45°   | 28.2   |
| 47.5° | 22.0   |
| 50°   | 16.7   |
| 52.5° | 13.6   |
| 55°   | 10.5   |
| 57.5° | 9.4    |
| 60°   | 7.3    |
| 62.5° | 7.3    |
| 65°   | 6.3    |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 67.5° | 5.2 |
| 70°   | 5.2 |
| 72.5° | 4.2 |
| 75°   | 3.1 |
| 77.5° | 3.1 |
| 80°   | 2.1 |
| 82.5° | 1.0 |
| 85°   | 0.0 |
| 87.5° | 0.0 |
| 90°   | 0.0 |

(END OF REPORT)