

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P845437

Luminaire Tested: L80815ECPKSP930MB

Issue Date: 6/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P845437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2404-355-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: L80815ECPKSP930MB
Description: HALO TRACK, 3000K, WITH 17D OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

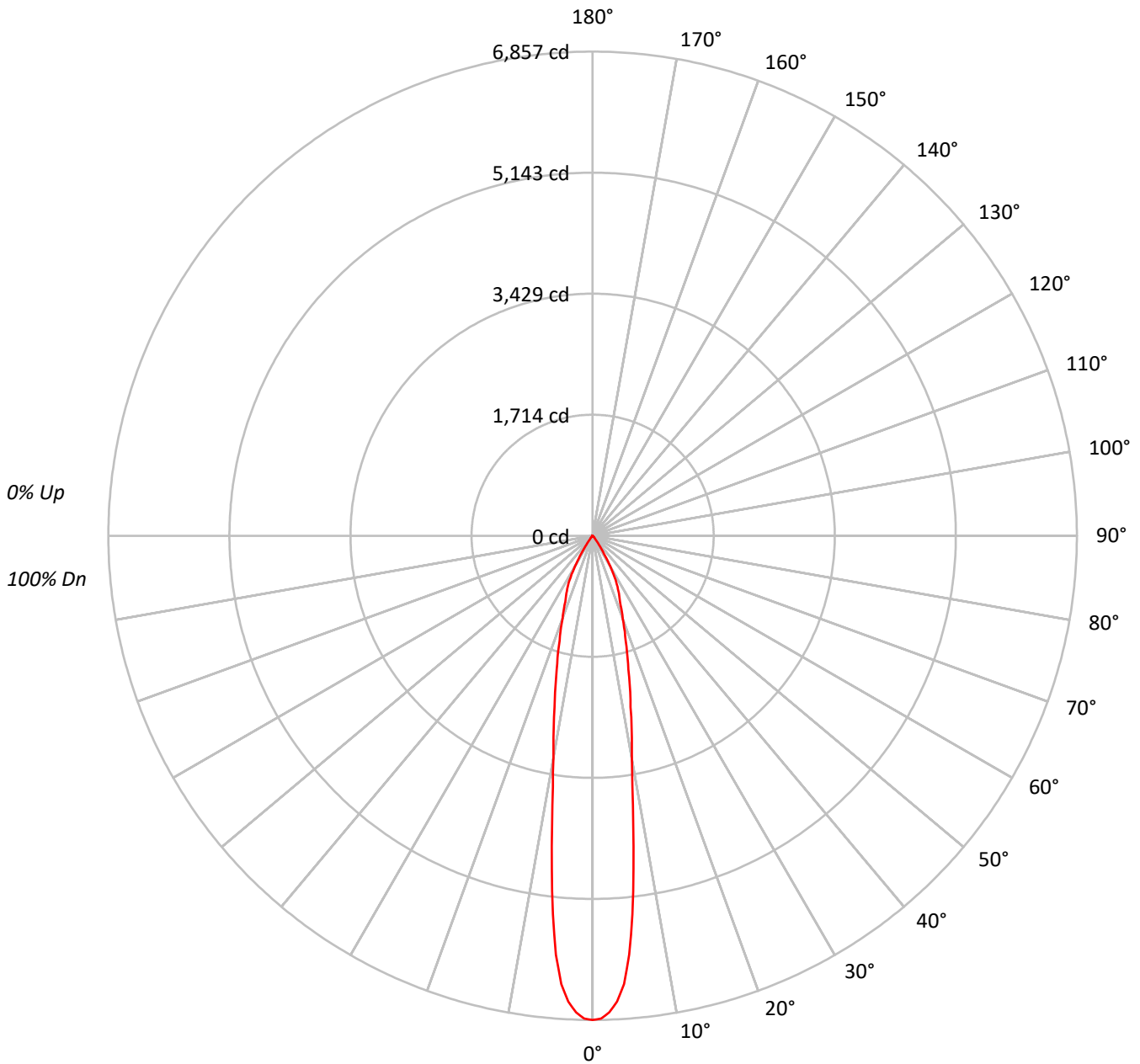
Lumens per Lamp: N/A
Luminaire Lumens: 1553.0 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.39
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|-----|----|----|---|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 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 | 115 | 112 | 110 | 109 | 112 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 101 | 100 | 99 | 98 | 98 | 96 | | | | | | | | | 96 | | | | | | | | | | | | | | | | | | |
| 2 | 110 | 107 | 103 | 101 | 108 | 105 | 102 | 99 | 102 | 99 | 97 | 99 | 97 | 95 | 96 | 95 | 93 | 92 | | | | | | | | | 92 | | | | | | | | | | | | | | | | | | |
| 3 | 106 | 101 | 97 | 94 | 105 | 100 | 96 | 94 | 98 | 95 | 92 | 95 | 93 | 91 | 93 | 91 | 89 | 88 | | | | | | | | | 88 | | | | | | | | | | | | | | | | | | |
| 4 | 103 | 97 | 92 | 89 | 101 | 96 | 92 | 89 | 94 | 90 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 84 | | | | | | | | | 84 | | | | | | | | | | | | | | | | | | |
| 5 | 99 | 93 | 88 | 85 | 98 | 92 | 88 | 84 | 90 | 86 | 84 | 89 | 85 | 83 | 87 | 84 | 82 | 81 | | | | | | | | | 81 | | | | | | | | | | | | | | | | | | |
| 6 | 96 | 89 | 84 | 81 | 94 | 88 | 84 | 81 | 87 | 83 | 80 | 86 | 82 | 80 | 84 | 81 | 79 | 78 | | | | | | | | | 78 | | | | | | | | | | | | | | | | | | |
| 7 | 93 | 85 | 81 | 78 | 91 | 85 | 80 | 77 | 84 | 80 | 77 | 83 | 79 | 77 | 82 | 79 | 76 | 75 | | | | | | | | | 75 | | | | | | | | | | | | | | | | | | |
| 8 | 90 | 82 | 78 | 75 | 89 | 82 | 77 | 74 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 73 | | | | | | | | | 73 | | | | | | | | | | | | | | | | | | |
| 9 | 87 | 79 | 75 | 72 | 86 | 79 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 71 | 77 | 73 | 71 | 70 | | | | | | | | | 70 | | | | | | | | | | | | | | | | | | |
| 10 | 84 | 77 | 72 | 69 | 83 | 76 | 72 | 69 | 76 | 72 | 69 | 75 | 71 | 69 | 74 | 71 | 69 | 68 | | | | | | | | | 68 | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 2165297 |
| 5° | 1887311 |
| 10° | 1024145 |
| 15° | 641092 |
| 20° | 419063 |
| 25° | 301373 |
| 30° | 181213 |
| 35° | 57051 |
| 40° | 18961 |
| 45° | 6252 |
| 50° | 3439 |
| 55° | 2202 |
| 60° | 2526 |
| 65° | 2241 |
| 70° | 1846 |
| 75° | 1220 |
| 80° | 1818 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6252 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 464.5 | 29.9 |
| 10°-20° | 555.3 | 35.8 |
| 20°-30° | 390.5 | 25.1 |
| 30°-40° | 119.8 | 7.7 |
| 40°-50° | 14.2 | 0.9 |
| 50°-60° | 4.1 | 0.3 |
| 60°-70° | 3.2 | 0.2 |
| 70°-80° | 1.2 | 0.1 |
| 80°-90° | 0.1 | 0.0 |
| 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° | 1410.3 | 90.8 |
| 0°-40° | 1530.1 | 98.5 |
| 0°-60° | 1548.5 | 99.7 |
| 0°-90° | 1553.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1553.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 6857 | |
| 5° | 5954 | 465 |
| 15° | 1961 | 555 |
| 25° | 865 | 391 |
| 35° | 148 | 120 |
| 45° | 14 | 14 |
| 55° | 4 | 4 |
| 65° | 3 | 3 |
| 75° | 1 | 1 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 6857.3 |
| 1° | 6840.3 |
| 2° | 6752.3 |
| 3° | 6606.3 |
| 4° | 6364.3 |
| 5° | 5954.2 |
| 6° | 5391.2 |
| 7° | 4750.2 |
| 8° | 4120.2 |
| 9° | 3600.1 |
| 10° | 3194.1 |
| 12.5° | 2486.1 |
| 15° | 1961.1 |
| 17.5° | 1557.1 |
| 20° | 1247.1 |
| 22.5° | 1012.0 |
| 25° | 865.0 |
| 27.5° | 707.0 |
| 30° | 497.0 |
| 32.5° | 298.0 |
| 35° | 148.0 |
| 37.5° | 80.0 |
| 40° | 46.0 |
| 42.5° | 26.0 |
| 45° | 14.0 |
| 47.5° | 9.0 |
| 50° | 7.0 |
| 52.5° | 5.0 |
| 55° | 4.0 |
| 57.5° | 4.0 |
| 60° | 4.0 |
| 62.5° | 4.0 |
| 65° | 3.0 |
| 67.5° | 3.0 |
| 70° | 2.0 |
| 72.5° | 1.0 |
| 75° | 1.0 |
| 77.5° | 1.0 |
| 80° | 1.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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Scaled Data Report



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