

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: METALUX

Report Number: P218032

Luminaire Tested: **8TSNLED-LD5-130HL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-130HL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12900.0 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

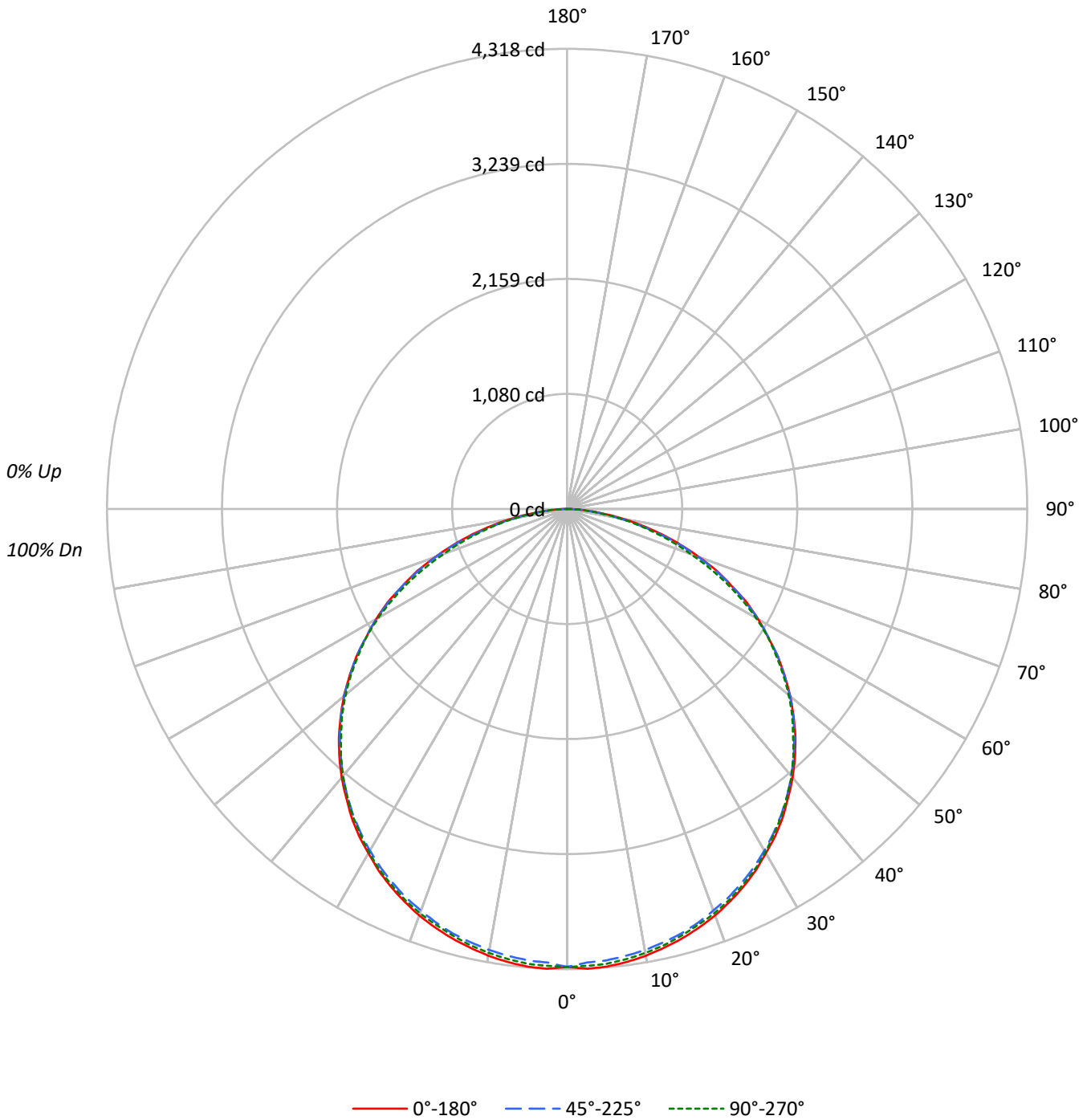
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P218032

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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 | 109 | 104 | 99 | 95 | 106 | 101 | 97 | 94 | 97 | 94 | 91 | 93 | 91 | 88 | 90 | 87 | 85 | 83 |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 85 | 79 | 75 | 81 | 77 | 73 | 78 | 75 | 71 | 69 |
| 3 | 90 | 79 | 70 | 64 | 87 | 77 | 70 | 63 | 74 | 68 | 62 | 71 | 66 | 61 | 69 | 64 | 60 | 58 |
| 4 | 82 | 70 | 61 | 54 | 80 | 68 | 60 | 53 | 66 | 58 | 53 | 63 | 57 | 52 | 61 | 56 | 51 | 49 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 46 | 59 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 44 | 42 |
| 6 | 69 | 56 | 47 | 40 | 67 | 55 | 46 | 40 | 53 | 45 | 40 | 51 | 44 | 39 | 50 | 44 | 39 | 37 |
| 7 | 64 | 50 | 42 | 35 | 62 | 50 | 41 | 35 | 48 | 40 | 35 | 47 | 40 | 35 | 45 | 39 | 34 | 32 |
| 8 | 60 | 46 | 37 | 31 | 58 | 45 | 37 | 31 | 44 | 36 | 31 | 43 | 36 | 31 | 42 | 35 | 31 | 29 |
| 9 | 56 | 42 | 34 | 28 | 54 | 42 | 34 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 |
| 10 | 52 | 39 | 31 | 26 | 51 | 38 | 31 | 25 | 37 | 30 | 25 | 36 | 30 | 25 | 36 | 29 | 25 | 23 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 34614 | 34614 | 34614 |
| 5° | 34791 | 32343 | 31852 |
| 10° | 34692 | 30500 | 29414 |
| 15° | 34599 | 28842 | 27265 |
| 20° | 34546 | 27232 | 25380 |
| 25° | 34447 | 25755 | 23612 |
| 30° | 34285 | 24315 | 21945 |
| 35° | 34209 | 22880 | 20311 |
| 40° | 34032 | 21419 | 18727 |
| 45° | 33809 | 19956 | 17080 |
| 50° | 33446 | 18396 | 15512 |
| 55° | 32921 | 16693 | 13833 |
| 60° | 32191 | 14823 | 12077 |
| 65° | 31017 | 12751 | 10008 |
| 70° | 29321 | 10322 | 7740 |
| 75° | 26670 | 7443 | 5547 |
| 80° | 22025 | 4429 | 3444 |
| 85° | 14651 | 1917 | 1394 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 407.2 | 3.2 |
| 10°-20° | 1172.1 | 9.1 |
| 20°-30° | 1795.8 | 13.9 |
| 30°-40° | 2198.0 | 17.0 |
| 40°-50° | 2326.1 | 18.0 |
| 50°-60° | 2151.3 | 16.7 |
| 60°-70° | 1670.5 | 12.9 |
| 70°-80° | 941.0 | 7.3 |
| 80°-90° | 238.0 | 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° | 3375.1 | 26.2 |
| 0°-40° | 5573.1 | 43.2 |
| 0°-60° | 10050.5 | 77.9 |
| 0°-90° | 12900.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 12900.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 4296 | 4296 | 4296 | 4296 | 4296 | |
| 5° | 4310 | 4292 | 4252 | 4292 | 4283 | 410 |
| 15° | 4171 | 4158 | 4127 | 4162 | 4145 | 1178 |
| 25° | 3913 | 3899 | 3872 | 3904 | 3895 | 1803 |
| 35° | 3529 | 3516 | 3502 | 3511 | 3511 | 2207 |
| 45° | 3029 | 3025 | 3016 | 3011 | 2998 | 2334 |
| 55° | 2414 | 2422 | 2414 | 2405 | 2391 | 2153 |
| 65° | 1700 | 1713 | 1704 | 1682 | 1651 | 1686 |
| 75° | 924 | 924 | 883 | 861 | 843 | 973 |
| 85° | 196 | 196 | 192 | 192 | 187 | 244 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P218032

CATALOG NUMBER: 8TSNLED-LD5-130HL-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 4296.2 | 4296.2 | 4296.2 | 4296.2 | 4296.2 |
| 2.5° | 4318.5 | 4300.7 | 4260.5 | 4300.7 | 4291.8 |
| 5° | 4309.6 | 4291.8 | 4251.6 | 4291.8 | 4282.9 |
| 7.5° | 4287.3 | 4273.9 | 4229.3 | 4269.5 | 4260.5 |
| 10° | 4256.1 | 4242.7 | 4202.6 | 4242.7 | 4229.3 |
| 12.5° | 4215.9 | 4202.6 | 4166.9 | 4202.6 | 4193.6 |
| 15° | 4171.3 | 4157.9 | 4126.7 | 4162.4 | 4144.6 |
| 17.5° | 4117.8 | 4108.9 | 4073.2 | 4108.9 | 4091.0 |
| 20° | 4059.8 | 4041.9 | 4010.7 | 4046.4 | 4037.5 |
| 22.5° | 3988.4 | 3979.5 | 3948.3 | 3979.5 | 3970.6 |
| 25° | 3912.6 | 3899.2 | 3872.4 | 3903.6 | 3894.7 |
| 27.5° | 3827.8 | 3818.9 | 3792.1 | 3814.4 | 3814.4 |
| 30° | 3729.7 | 3725.2 | 3702.9 | 3725.2 | 3720.7 |
| 32.5° | 3636.0 | 3627.0 | 3604.7 | 3622.6 | 3613.7 |
| 35° | 3528.9 | 3515.5 | 3502.1 | 3511.0 | 3511.0 |
| 37.5° | 3408.4 | 3404.0 | 3390.6 | 3404.0 | 3390.6 |
| 40° | 3292.4 | 3283.5 | 3270.1 | 3274.6 | 3274.6 |
| 42.5° | 3163.1 | 3158.6 | 3145.2 | 3145.2 | 3140.8 |
| 45° | 3029.2 | 3024.8 | 3015.8 | 3011.4 | 2998.0 |
| 47.5° | 2882.0 | 2877.5 | 2877.5 | 2873.1 | 2864.2 |
| 50° | 2734.8 | 2734.8 | 2730.3 | 2716.9 | 2712.5 |
| 52.5° | 2574.2 | 2583.1 | 2569.7 | 2560.8 | 2556.3 |
| 55° | 2413.6 | 2422.5 | 2413.6 | 2404.6 | 2391.3 |
| 57.5° | 2235.1 | 2253.0 | 2239.6 | 2235.1 | 2230.7 |
| 60° | 2070.0 | 2079.0 | 2070.0 | 2056.7 | 2047.7 |
| 62.5° | 1900.5 | 1900.5 | 1887.1 | 1878.2 | 1851.4 |
| 65° | 1699.8 | 1713.1 | 1704.2 | 1681.9 | 1650.7 |
| 67.5° | 1521.3 | 1512.4 | 1503.5 | 1476.7 | 1441.0 |
| 70° | 1316.1 | 1320.5 | 1307.2 | 1267.0 | 1231.3 |
| 72.5° | 1119.8 | 1128.7 | 1101.9 | 1048.4 | 1039.5 |
| 75° | 923.5 | 923.5 | 883.3 | 861.0 | 843.2 |
| 77.5° | 722.7 | 727.2 | 673.7 | 669.2 | 664.7 |
| 80° | 530.9 | 539.8 | 486.3 | 499.7 | 495.2 |
| 82.5° | 361.4 | 352.4 | 330.1 | 330.1 | 325.7 |
| 85° | 196.3 | 196.3 | 191.8 | 191.8 | 187.4 |
| 87.5° | 75.8 | 80.3 | 89.2 | 98.1 | 93.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)