

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: INVUE

Report Number: G2-2108-353-12

Luminaire Tested: **LXS-VA1-AMB-U-SYM-S**

Test Date: 9/20/2021

Test Information

Test Method: LM-79-08
Report Number: G2-2108-353-12
Test Lab: COOPER LIGHTING SOLUTIONS
Test Date: 9/20/2021
Issue Date: 9/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-AMB-U-SYM-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
NARROW BAND AMBER LEDS AND TYPE V OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1626.3 lumens
Efficiency: N/A
Efficacy: 24.8 lumens/watt
Luminous Opening: Circular (Dia: 1.67' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G1

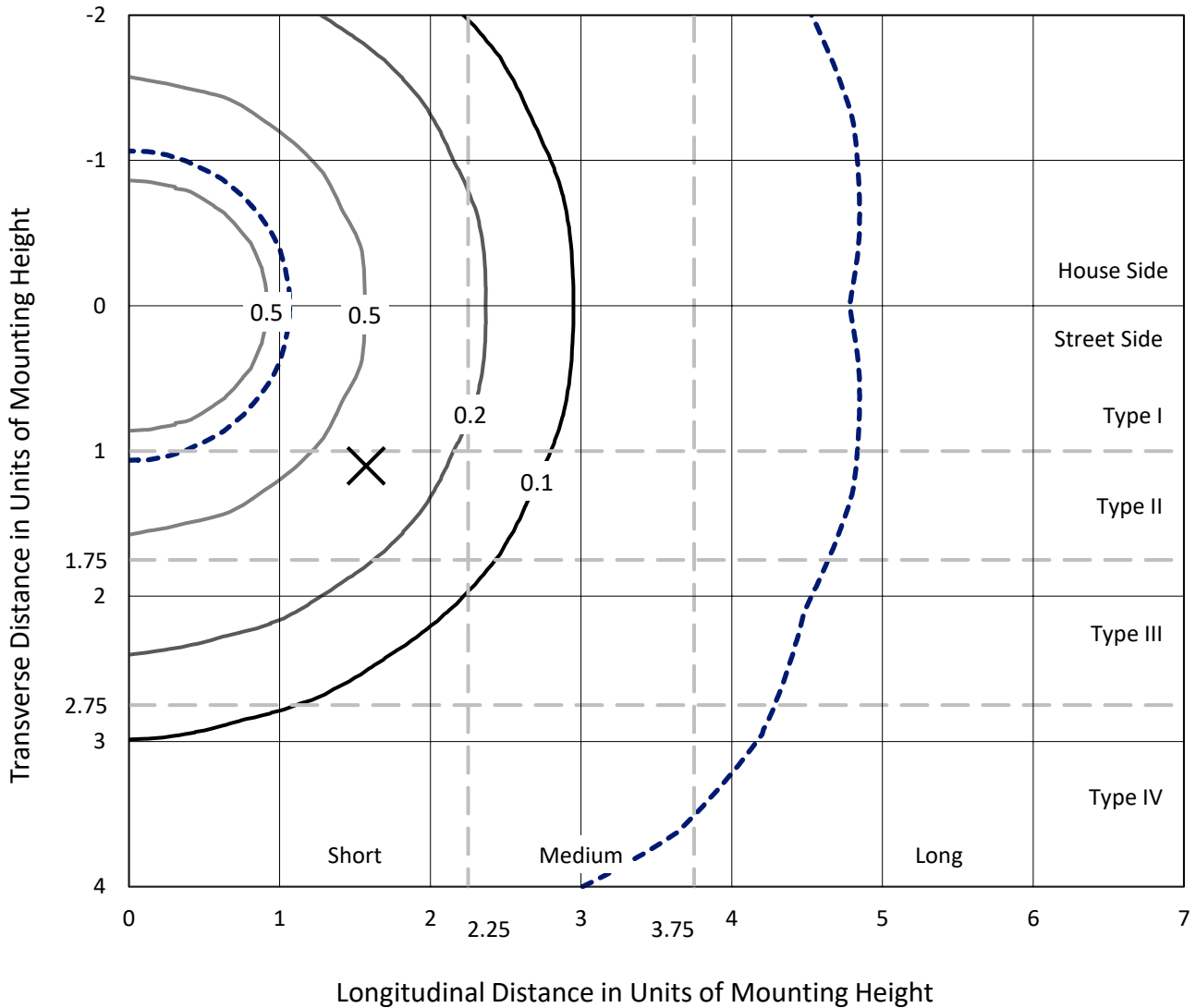
Input Watts (W): 65.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

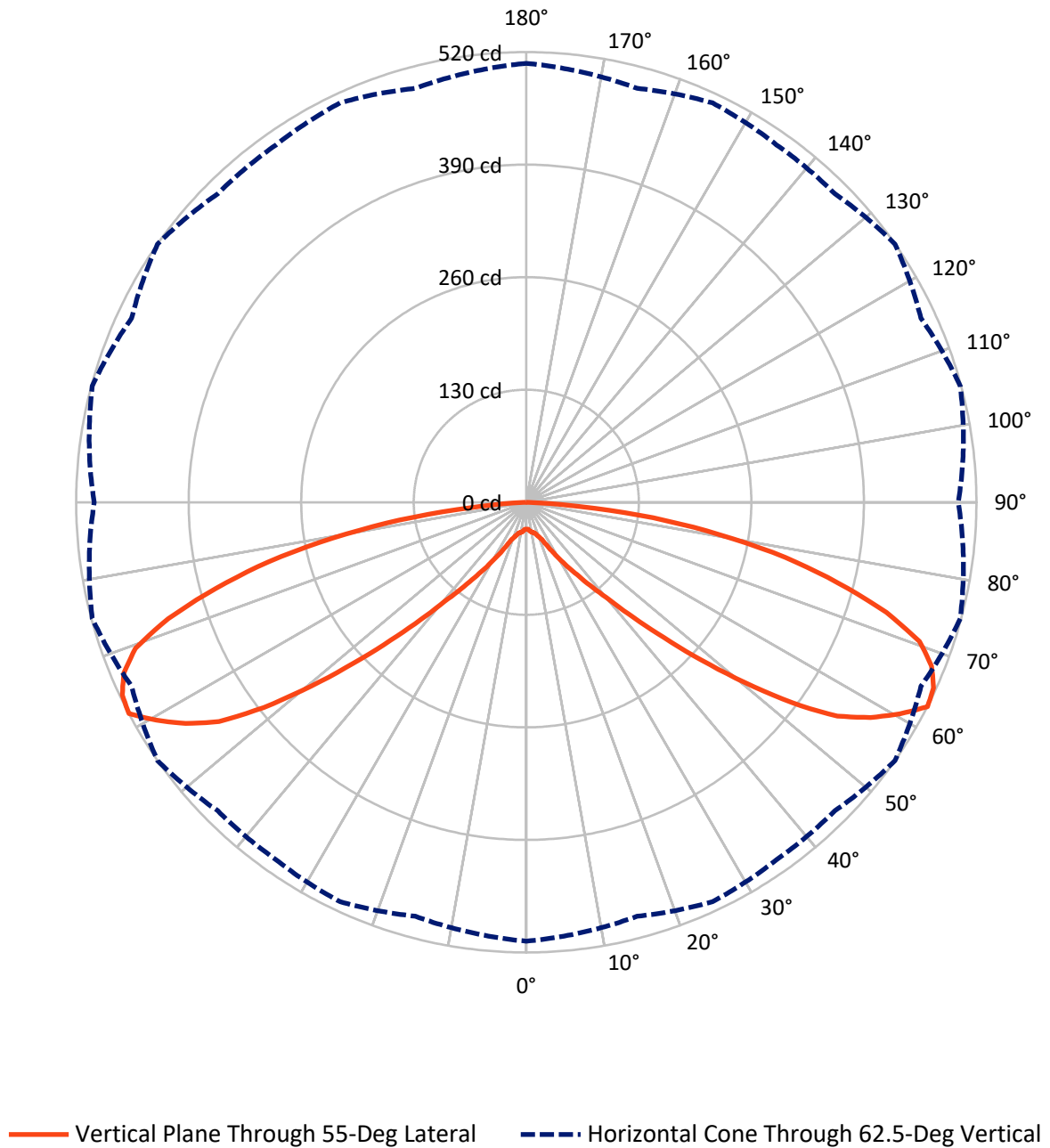
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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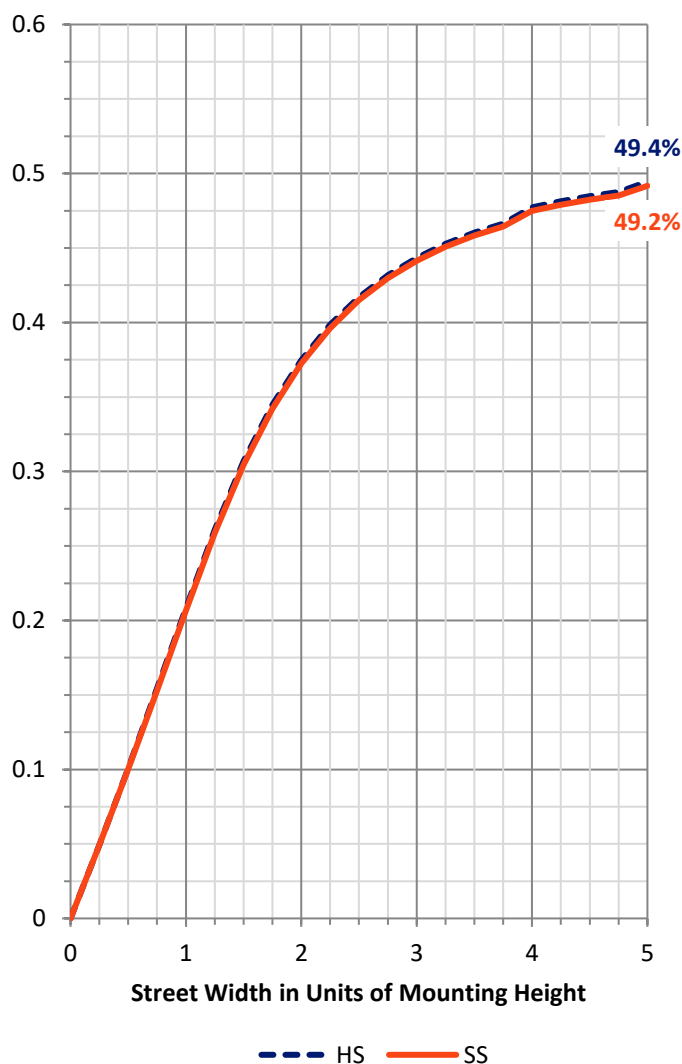
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 813.2 | 0.0 | 813.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 813.2 | 0.0 | 813.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 1626.3 | 0.0 | 1626.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.2 | 0.2 |
| 10°-20° | 11.0 | 0.7 |
| 20°-30° | 27.2 | 1.7 |
| 30°-40° | 69.6 | 4.3 |
| 40°-50° | 179.0 | 11.0 |
| 50°-60° | 379.1 | 23.3 |
| 60°-70° | 492.9 | 30.3 |
| 70°-80° | 377.0 | 23.2 |
| 80°-90° | 87.4 | 5.4 |
| 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°-90° | 1626.3 | 100.0 |
| 0°-180° | 1626.3 | 100.0 |

Coefficient of Utilization



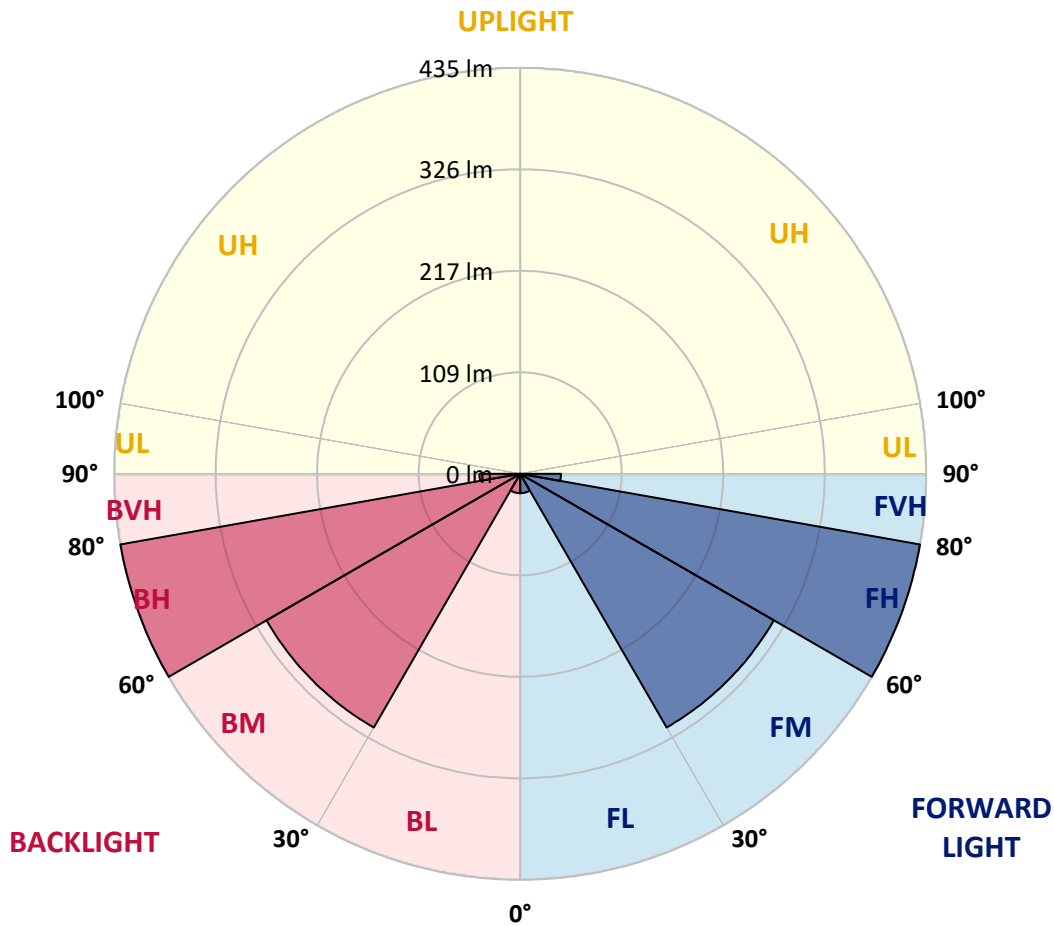
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 20.7 | 1.3 | | | |
| FM (30°-60°) | 313.8 | 19.3 | | | |
| FH (60°-80°) | 435.0 | 26.7 | | | G0/660 |
| FVH (80°-90°) | 43.7 | 2.7 | | | G1/100 |
| BL (0°-30°) | 20.7 | 1.3 | B0/110 | | |
| BM (30°-60°) | 313.8 | 19.3 | B1/1000 | | |
| BH (60°-80°) | 435.0 | 26.7 | B1/500 | | G0/660 |
| BVH (80°-90°) | 43.7 | 2.7 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0° | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 2.5° | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 5° | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 7.5° | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 33 |
| 10° | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 12.5° | 37 | 37 | 37 | 36 | 36 | 37 | 36 | 36 | 36 | 37 | 37 |
| 15° | 39 | 39 | 38 | 37 | 37 | 38 | 37 | 37 | 37 | 38 | 38 |
| 17.5° | 42 | 42 | 41 | 40 | 40 | 41 | 40 | 40 | 40 | 40 | 40 |
| 20° | 45 | 45 | 45 | 44 | 44 | 44 | 43 | 43 | 43 | 43 | 43 |
| 22.5° | 49 | 50 | 50 | 50 | 50 | 48 | 47 | 46 | 47 | 48 | 48 |
| 25° | 58 | 58 | 59 | 59 | 58 | 57 | 55 | 53 | 54 | 55 | 55 |
| 27.5° | 70 | 70 | 69 | 68 | 67 | 66 | 65 | 63 | 63 | 62 | 62 |
| 30° | 84 | 83 | 81 | 79 | 78 | 77 | 76 | 75 | 73 | 71 | 71 |
| 32.5° | 98 | 97 | 95 | 92 | 92 | 90 | 90 | 88 | 85 | 84 | 83 |
| 35° | 114 | 113 | 113 | 109 | 109 | 106 | 105 | 104 | 101 | 100 | 99 |
| 37.5° | 133 | 133 | 133 | 129 | 128 | 127 | 125 | 123 | 121 | 120 | 120 |
| 40° | 156 | 156 | 157 | 153 | 153 | 150 | 148 | 147 | 146 | 145 | 146 |
| 42.5° | 187 | 186 | 187 | 186 | 184 | 182 | 182 | 179 | 179 | 179 | 178 |
| 45° | 226 | 224 | 225 | 227 | 224 | 222 | 223 | 220 | 221 | 222 | 221 |
| 47.5° | 271 | 270 | 269 | 274 | 271 | 271 | 272 | 267 | 271 | 271 | 270 |
| 50° | 326 | 323 | 322 | 329 | 325 | 327 | 327 | 323 | 331 | 327 | 330 |
| 52.5° | 387 | 380 | 376 | 384 | 379 | 380 | 385 | 379 | 390 | 385 | 385 |
| 55° | 434 | 426 | 423 | 433 | 428 | 427 | 436 | 427 | 440 | 432 | 429 |
| 57.5° | 468 | 459 | 453 | 466 | 459 | 465 | 469 | 459 | 476 | 465 | 465 |
| 60° | 495 | 483 | 477 | 491 | 483 | 488 | 496 | 488 | 502 | 490 | 489 |
| 62.5° | 507 | 503 | 495 | 509 | 504 | 504 | 520 | 503 | 519 | 506 | 499 |
| 65° | 514 | 509 | 493 | 506 | 501 | 515 | 517 | 502 | 516 | 506 | 500 |
| 67.5° | 508 | 495 | 483 | 497 | 486 | 501 | 505 | 490 | 502 | 490 | 485 |
| 70° | 472 | 470 | 459 | 470 | 463 | 470 | 482 | 464 | 473 | 459 | 455 |
| 72.5° | 434 | 429 | 410 | 424 | 418 | 433 | 435 | 418 | 427 | 414 | 412 |
| 75° | 381 | 368 | 357 | 365 | 362 | 374 | 372 | 358 | 367 | 354 | 353 |
| 77.5° | 310 | 302 | 296 | 300 | 294 | 302 | 306 | 292 | 295 | 286 | 281 |
| 80° | 230 | 228 | 218 | 225 | 218 | 230 | 227 | 216 | 216 | 210 | 202 |
| 82.5° | 156 | 151 | 144 | 152 | 143 | 153 | 148 | 141 | 136 | 131 | 132 |
| 85° | 76 | 70 | 69 | 65 | 65 | 67 | 63 | 55 | 59 | 53 | 54 |
| 87.5° | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(END OF REPORT)