

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: McGRAW-EDISON

Report Number: P823271

Luminaire Tested: **TTN-D0-750-U-CQ**

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-9)
Test Lab: INNOVATION CENTER
Issue Date: 4/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TTN-D0-750-U-CQ
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
5000K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1222 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

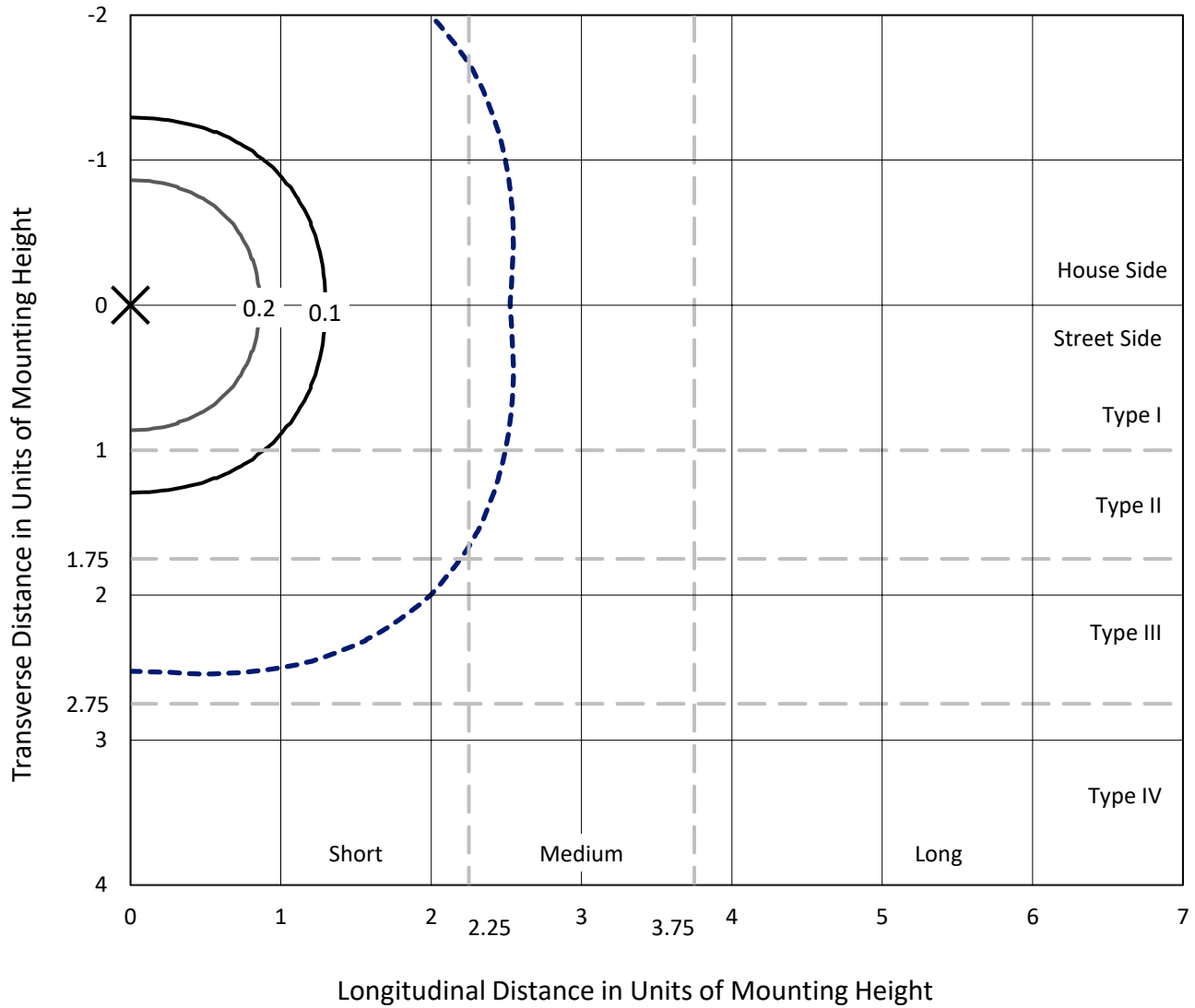
Input Watts (W): 10.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

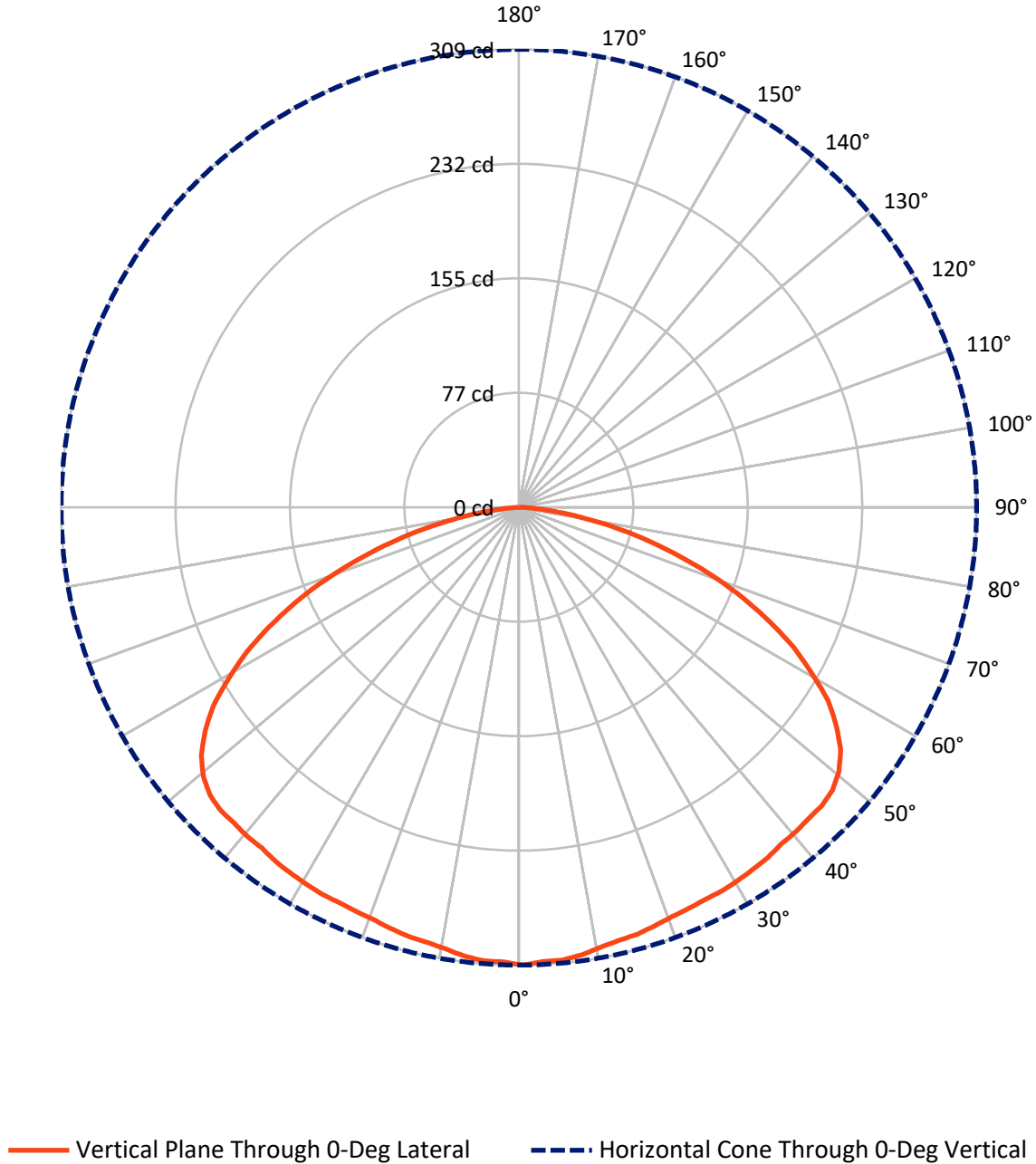
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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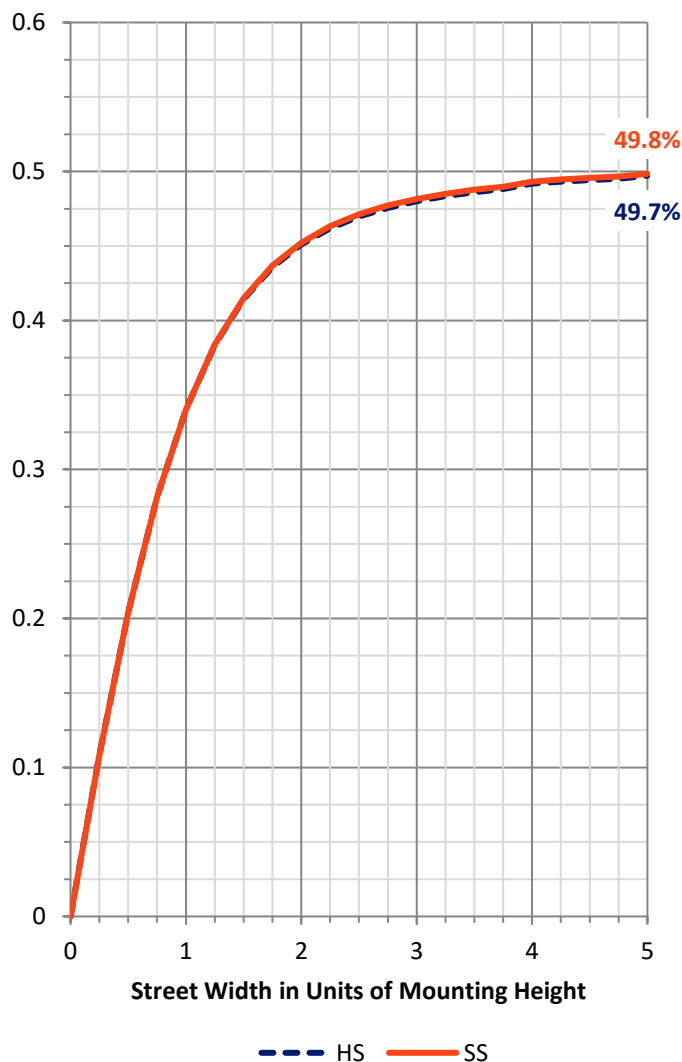
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 611.0 | 0.0 | 611.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 611.0 | 0.0 | 611.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 1222.0 | 0.0 | 1222.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.1 | 2.4 |
| 10°-20° | 84.6 | 6.9 |
| 20°-30° | 136.2 | 11.1 |
| 30°-40° | 183.2 | 15.0 |
| 40°-50° | 226.1 | 18.5 |
| 50°-60° | 242.5 | 19.8 |
| 60°-70° | 196.7 | 16.1 |
| 70°-80° | 104.2 | 8.5 |
| 80°-90° | 19.3 | 1.6 |
| 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° | 1222.0 | 100.0 |
| 0°-180° | 1222.0 | 100.0 |

Coefficient of Utilization

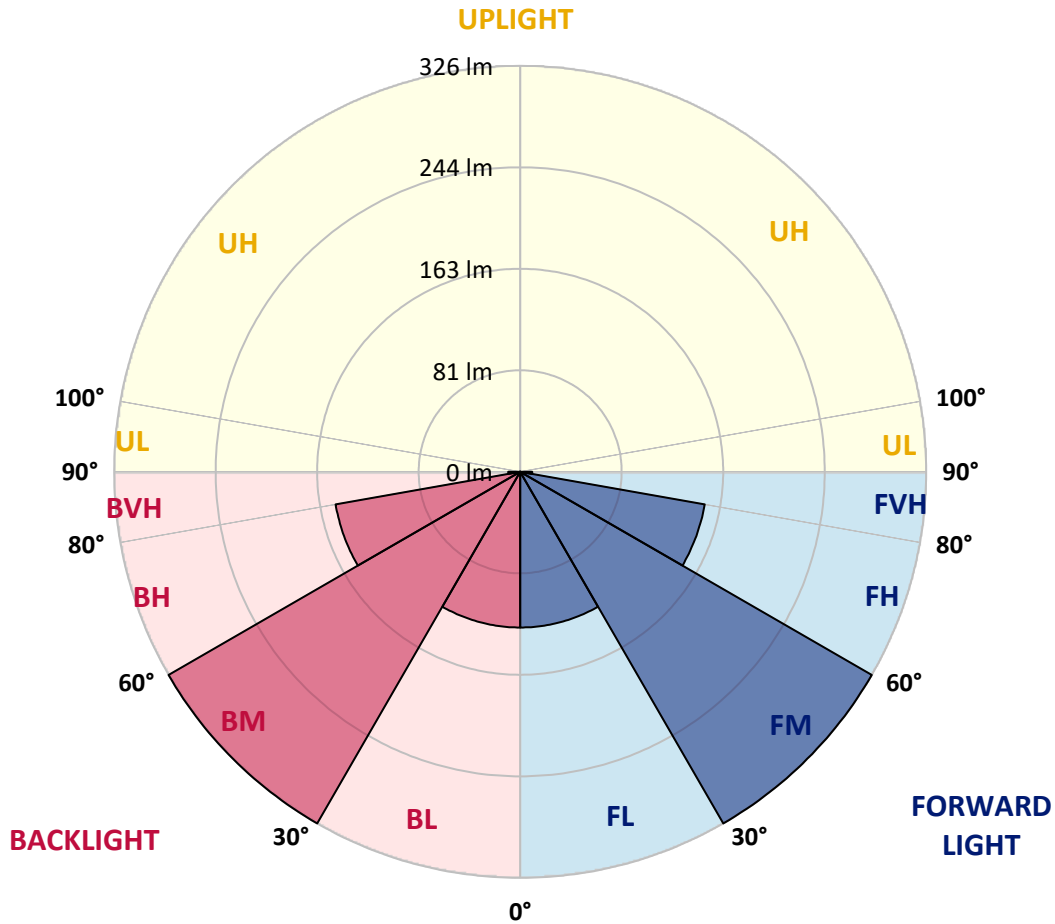


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 125.0 | 10.2 | | | |
| FM (30°-60°) | 325.9 | 26.7 | | | |
| FH (60°-80°) | 150.5 | 12.3 | | | G0/660 |
| FVH (80°-90°) | 9.6 | 0.8 | | | G0/10 |
| BL (0°-30°) | 125.0 | 10.2 | B1/500 | | |
| BM (30°-60°) | 325.9 | 26.7 | B1/1000 | | |
| BH (60°-80°) | 150.5 | 12.3 | B1/500 | | G0/660 |
| BVH (80°-90°) | 9.6 | 0.8 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0° | 309 | 309 | 309 | 309 | 309 | 309 | 309 | 309 | 309 | 309 | 309 |
| 2.5° | 307 | 307 | 307 | 307 | 307 | 307 | 307 | 307 | 307 | 307 | 308 |
| 5° | 307 | 307 | 307 | 307 | 306 | 307 | 307 | 307 | 307 | 307 | 307 |
| 7.5° | 305 | 305 | 305 | 305 | 305 | 305 | 305 | 305 | 305 | 305 | 305 |
| 10° | 302 | 302 | 302 | 302 | 302 | 302 | 302 | 302 | 302 | 302 | 302 |
| 12.5° | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 15° | 299 | 299 | 299 | 299 | 299 | 299 | 299 | 299 | 299 | 298 | 298 |
| 17.5° | 297 | 297 | 297 | 297 | 298 | 298 | 298 | 297 | 297 | 297 | 297 |
| 20° | 295 | 295 | 295 | 296 | 296 | 296 | 296 | 296 | 295 | 295 | 295 |
| 22.5° | 294 | 294 | 294 | 294 | 295 | 295 | 295 | 295 | 294 | 294 | 294 |
| 25° | 293 | 293 | 294 | 294 | 295 | 295 | 295 | 294 | 294 | 293 | 293 |
| 27.5° | 293 | 293 | 294 | 294 | 295 | 295 | 295 | 295 | 294 | 293 | 293 |
| 30° | 292 | 293 | 293 | 294 | 295 | 295 | 295 | 294 | 293 | 292 | 292 |
| 32.5° | 291 | 291 | 292 | 293 | 294 | 294 | 294 | 293 | 292 | 291 | 290 |
| 35° | 290 | 290 | 290 | 292 | 293 | 293 | 293 | 292 | 290 | 289 | 289 |
| 37.5° | 288 | 289 | 290 | 291 | 293 | 293 | 293 | 291 | 289 | 288 | 287 |
| 40° | 288 | 288 | 290 | 291 | 294 | 294 | 293 | 291 | 289 | 287 | 286 |
| 42.5° | 287 | 288 | 290 | 293 | 296 | 296 | 295 | 292 | 289 | 287 | 286 |
| 45° | 287 | 287 | 290 | 294 | 298 | 299 | 297 | 294 | 290 | 286 | 286 |
| 47.5° | 285 | 285 | 289 | 294 | 299 | 300 | 299 | 294 | 289 | 286 | 285 |
| 50° | 280 | 280 | 285 | 291 | 297 | 299 | 297 | 293 | 286 | 282 | 281 |
| 52.5° | 272 | 272 | 277 | 285 | 291 | 294 | 292 | 287 | 280 | 274 | 273 |
| 55° | 260 | 261 | 266 | 275 | 282 | 285 | 283 | 277 | 269 | 263 | 261 |
| 57.5° | 246 | 246 | 253 | 262 | 269 | 272 | 270 | 264 | 255 | 249 | 247 |
| 60° | 227 | 228 | 234 | 246 | 253 | 256 | 254 | 247 | 237 | 230 | 228 |
| 62.5° | 208 | 209 | 215 | 225 | 233 | 235 | 233 | 226 | 217 | 210 | 208 |
| 65° | 186 | 187 | 194 | 203 | 209 | 212 | 209 | 203 | 195 | 188 | 187 |
| 67.5° | 163 | 164 | 171 | 179 | 185 | 187 | 184 | 179 | 171 | 165 | 163 |
| 70° | 139 | 140 | 146 | 153 | 158 | 160 | 158 | 152 | 146 | 140 | 139 |
| 72.5° | 114 | 115 | 121 | 127 | 131 | 133 | 130 | 126 | 120 | 115 | 114 |
| 75° | 90 | 90 | 95 | 100 | 104 | 105 | 103 | 100 | 95 | 91 | 89 |
| 77.5° | 67 | 67 | 72 | 75 | 77 | 79 | 77 | 74 | 71 | 67 | 67 |
| 80° | 45 | 45 | 49 | 51 | 53 | 54 | 53 | 51 | 49 | 46 | 45 |
| 82.5° | 27 | 27 | 29 | 31 | 31 | 32 | 32 | 31 | 29 | 27 | 27 |
| 85° | 12 | 11 | 13 | 14 | 14 | 15 | 15 | 14 | 13 | 12 | 12 |
| 87.5° | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(END OF REPORT)