

Photometrics Pro

Luminaire Photometric Report

Filename: CD774

Manufacturer: COMPUCHARGE INC. MONTREAL, QUEBEC

Luminaire: COMPUCHARGE DROP-LENS COBRA-HEAD LUMINAIRE WITH SEMI-SPECULAR REFLECTOR AND BOROSILLICATE GLASS REFRACTOR

Luminaire Cat: CBL-2MS-150W-HPS

Lamp: ONE 150W S56 CLEAR ED28 HPS LAMP. LUMEN RATING = 16000 LMS.

Ballast Desc: COMPUCHARGE 120V HPS ELECTRONIC BALLAST

Ballast Cat: CBS56150U

Lamp Output: 1 lamp(s), rated Lumens/lamp: 16000

Max Candela: 7,084.0 at Horizontal: 80°, Vertical: 67.5°

Input Wattage: 164.4

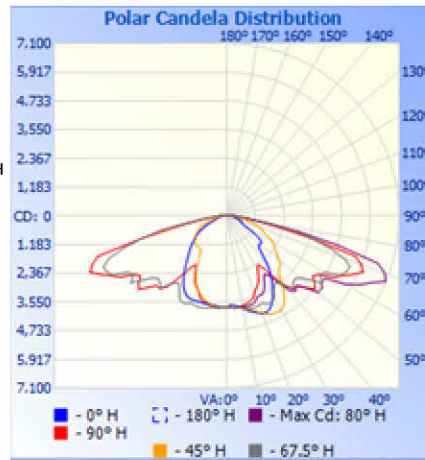
Luminous Opening: Point

Test: LSCD774

Test Lab: Lighting Sciences Canada Ltd. 160 Frobisher Drive, Unit 5 Waterloo, Ontario

Photometry : Type C

CIE Class: Direct



Roadway Summary

| | | |
|------------------------|-----------------|--------------|
| Cutoff Classification: | SEMICUTOFF | |
| Distribution: | TYPE II, MEDIUM | |
| Max Cd, 90 Deg Vert: | 320.0 | |
| Max Cd, 80 to <90 Deg: | 1,685.0 | |
| | Lumens | % Lamp |
| Downward Street Side: | 8,175.7 | 51.1% |
| Downward House Side: | 5,591.3 | 34.9% |
| Downward Total: | 13,767.0 | 86% |
| Upward Street Side: | 130.6 | 0.8% |
| Upward House Side: | 122.7 | 0.8% |
| Upward Total: | 253.3 | 1.6% |
| Total Lumens: | 14,020.3 | 87.6% |

Zonal Lumen Summary

| Zone | Lumens | % Lamp | % Luminaire |
|--------------------------------|----------|--------|-------------|
| 0-30 | 3,078.4 | 19.2% | 22% |
| 0-40 | 4,935.5 | 30.8% | 35.2% |
| 0-60 | 9,359.4 | 58.5% | 66.8% |
| 60-90 | 4,405.8 | 27.5% | 31.4% |
| 0-90 | 13,765.2 | 86% | 98.2% |
| 90-180 | 253.4 | 1.6% | 1.8% |
| 0-180 | 14,018.6 | 87.6% | 100% |
| Efficiency Total: 87.6% | | | |

Flood Summary

| | Efficiency | Lumens | Horizontal Spread | Vertical Spread |
|---------------|--------------|-----------------|-------------------|-----------------|
| Field (10%): | 82.6% | 13,210.8 | 165.1 | 135.3 |
| Beam (50%): | 41.1% | 6,573.6 | 150.1 | 80.5 |
| Total: | 87.6% | 14,016.0 | | |

Lumens Per Zone

| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|---------|---------|---------|--------|---------|
| 0-10 | 362.0 | 2.6% | 90-100 | 153.7 | 1.1% |
| 10-20 | 1,075.0 | 7.7% | 100-110 | 72.6 | 0.5% |
| 20-30 | 1,641.4 | 11.7% | 110-120 | 23.9 | 0.2% |
| 30-40 | 1,857.1 | 13.2% | 120-130 | 3.1 | 0% |
| 40-50 | 2,124.0 | 15.2% | 130-140 | 0.0 | 0% |
| 50-60 | 2,299.9 | 16.4% | 140-150 | 0 | 0% |
| 60-70 | 2,420.3 | 17.3% | 150-160 | 0 | 0% |
| 70-80 | 1,579.4 | 11.3% | 160-170 | 0 | 0% |
| 80-90 | 406.1 | 2.9% | 170-180 | 0 | 0% |

