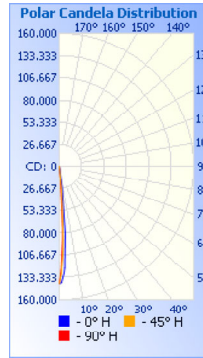


Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: impression FR10 BAR-Full-Medium-Zoom_128
Manufacturer: GLP German Light Products GmbH
Luminaire: impression FR10 BAR
Luminaire Cat: 7683
Lamp Output: 1 lamp, rated Lumens/lamp: 5336
Max Candela: 159,284.3 at Horizontal: 270°, Vertical: 3°
Luminous Opening: Rectangle (L: 6.69", W: 77.17")
Test: 2020-01-30-2
Test Lab: GLP Light Lab
Photometry : Type B
Nema Type: 1 X 1



Roadway Summary

| | |
|------------------------|--------------------|
| Cutoff Classification: | FULL CUTOFF |
| Distribution: | TYPE I, VERY SHORT |
| Max Cd, 90 Deg Vert: | 0 |
| Max Cd, 80 to <90 Deg: | 0 |
| Lumens % Lamp | |
| Downward Street Side: | 2,866.6 53.7% |
| Downward House Side: | 2,706.7 50.7% |
| Downward Total: | 5,573.3 104.4% |
| Upward Street Side: | 0 0% |
| Upward House Side: | 0 0% |
| Upward Total: | 0 0% |
| Total Lumens: | 5,573.3 104.4% |

Flood Summary

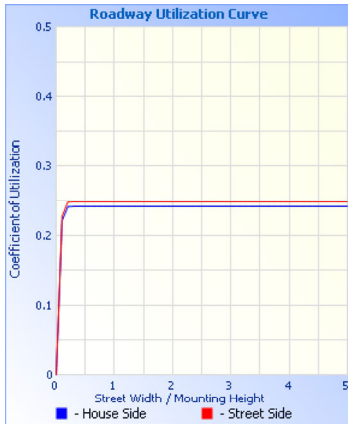
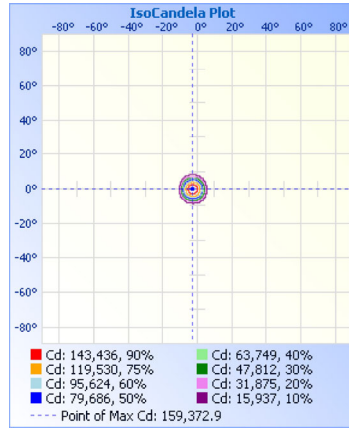
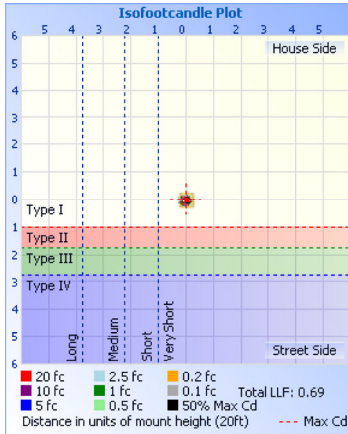
| | Efficiency | Lumens | Horizontal Spread | Vertical Spread |
|--------------|------------|---------|-------------------|-----------------|
| Field (10%): | 96.6% | 5,154.3 | 15.8 | 16.8 |
| Beam (50%): | 68.1% | 3,636.0 | 11.2 | 11.1 |
| Total: | 101.2% | 5,399.6 | | |

Zonal Lumen Summary

| Zone | Lumens | % Lamp | % Luminaire |
|--------|---------|--------|-------------|
| 0-30 | 5,512.4 | 103.3% | 100% |
| 0-40 | 5,512.4 | 103.3% | 100% |
| 0-60 | 5,512.4 | 103.3% | 100% |
| 60-90 | 0 | 0% | 0% |
| 70-100 | 0 | 0% | 0% |
| 90-120 | 0 | 0% | 0% |
| 0-90 | 5,512.4 | 103.3% | 100% |
| 90-180 | 0 | 0% | 0% |
| 0-180 | 5,512.4 | 103.3% | 100% |

Lumens Per Zone

| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|---------|---------|---------|--------|---------|
| 0-10 | 5,242.8 | 95.1% | 90-100 | 0 | 0% |
| 10-20 | 269.5 | 4.9% | 100-110 | 0 | 0% |
| 20-30 | 0.1 | 0.0% | 110-120 | 0 | 0% |
| 30-40 | 0 | 0.0% | 120-130 | 0 | 0% |
| 40-50 | 0 | 0.0% | 130-140 | 0 | 0% |
| 50-60 | 0 | 0.0% | 140-150 | 0 | 0% |
| 60-70 | 0 | 0.0% | 150-160 | 0 | 0% |
| 70-80 | 0 | 0.0% | 160-170 | 0 | 0% |
| 80-90 | 0 | 0.0% | 170-180 | 0 | 0% |



| | Illuminance at a Distance | | |
|---------|---------------------------|------------|---------|
| | Center Beam fc | Beam Width | |
| 17.0ft | 488 fc | 3.3 ft | 3.3 ft |
| 34.0ft | 122 fc | 6.6 ft | 6.6 ft |
| 51.0ft | 54.3 fc | 9.9 ft | 10.0 ft |
| 68.0ft | 30.5 fc | 13.2 ft | 13.3 ft |
| 85.0ft | 19.5 fc | 16.5 ft | 16.6 ft |
| 102.0ft | 13.6 fc | 19.8 ft | 19.9 ft |

■ Vert. Spread: 11.1°
 ■ Horiz. Spread: 11.2°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RW %: | 20 | 50 | 30 | 0 | 20 | 50 | 30 | 0 | 50 | 30 | 20 | 0 | 50 | 30 | 20 | 0 | 50 | 30 | 20 | 0 | 0 |
| RCR: 0 | 1.23 | 1.23 | 1.23 | 1.23 | 1.20 | 1.20 | 1.20 | 1.03 | 1.15 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.05 | 1.03 |
| 1 | 1.20 | 1.19 | 1.18 | 1.16 | 1.18 | 1.17 | 1.16 | 1.03 | 1.13 | 1.12 | 1.11 | 1.09 | 1.09 | 1.08 | 1.08 | 1.06 | 1.06 | 1.05 | 1.05 | 1.05 | 1.03 |
| 2 | 1.18 | 1.16 | 1.14 | 1.12 | 1.16 | 1.14 | 1.12 | 1.03 | 1.11 | 1.10 | 1.09 | 1.08 | 1.08 | 1.07 | 1.06 | 1.06 | 1.06 | 1.05 | 1.04 | 1.04 | 1.03 |
| 3 | 1.17 | 1.14 | 1.11 | 1.09 | 1.15 | 1.12 | 1.10 | 1.03 | 1.10 | 1.08 | 1.07 | 1.08 | 1.08 | 1.06 | 1.05 | 1.06 | 1.06 | 1.05 | 1.04 | 1.04 | 1.03 |
| 4 | 1.15 | 1.12 | 1.09 | 1.07 | 1.14 | 1.11 | 1.09 | 1.03 | 1.09 | 1.07 | 1.06 | 1.07 | 1.07 | 1.06 | 1.05 | 1.06 | 1.06 | 1.04 | 1.03 | 1.03 | 1.03 |
| 5 | 1.14 | 1.10 | 1.08 | 1.06 | 1.13 | 1.10 | 1.07 | 1.03 | 1.08 | 1.06 | 1.05 | 1.07 | 1.07 | 1.05 | 1.04 | 1.05 | 1.05 | 1.04 | 1.03 | 1.02 | 1.02 |
| 6 | 1.13 | 1.09 | 1.07 | 1.05 | 1.12 | 1.09 | 1.06 | 1.03 | 1.07 | 1.06 | 1.04 | 1.06 | 1.06 | 1.05 | 1.04 | 1.05 | 1.05 | 1.04 | 1.03 | 1.02 | 1.02 |
| 7 | 1.12 | 1.08 | 1.06 | 1.04 | 1.11 | 1.08 | 1.06 | 1.02 | 1.07 | 1.05 | 1.04 | 1.06 | 1.06 | 1.04 | 1.03 | 1.05 | 1.05 | 1.04 | 1.03 | 1.02 | 1.02 |
| 8 | 1.11 | 1.07 | 1.05 | 1.04 | 1.10 | 1.07 | 1.05 | 1.02 | 1.06 | 1.04 | 1.03 | 1.06 | 1.06 | 1.04 | 1.03 | 1.05 | 1.05 | 1.04 | 1.03 | 1.02 | 1.02 |
| 9 | 1.10 | 1.07 | 1.05 | 1.03 | 1.10 | 1.06 | 1.04 | 1.02 | 1.06 | 1.04 | 1.03 | 1.05 | 1.05 | 1.04 | 1.03 | 1.05 | 1.05 | 1.03 | 1.02 | 1.02 | 1.02 |
| 10 | 1.10 | 1.06 | 1.04 | 1.03 | 1.09 | 1.06 | 1.04 | 1.02 | 1.05 | 1.04 | 1.03 | 1.05 | 1.05 | 1.03 | 1.02 | 1.04 | 1.04 | 1.03 | 1.02 | 1.02 | 1.02 |

Photometrics Pro - Evaluation Version**Luminaire Report Summary**

IESNA:LM-63-2002
[ISSUEDATE] 2020-01-30 14:33:36.191
[LAMP]
[LAMPFCAT]
[LUMCAT] 7683
[LUMINAIRE] impression FR10 BAR
[MANUFAC] GLP German Light Products GmbH
[TEST] 2020-01-30-2
[TESTLAB] GLP Light Lab
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 233, HORIZONTAL ANGLES: 233
FILE: COORDINATE SYSTEM: TYPE B
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.