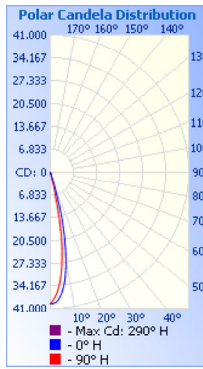


# Photometrics Pro

## Luminaire Photometric Report

- [Evaluation Version]

**Filename:** impression FR10 BAR-Full-Wide-Zoom\_255  
**Manufacturer:** GLP German Light Products GmbH  
**Luminaire:** impression FR10 BAR  
**Luminaire Cat:** 7683  
**Lamp Output:** 1 lamp, rated Lumens/lamp: 5860  
**Max Candela:** 40,317.6 at Horizontal: 290°, Vertical: 2.5°  
**Luminous Opening:** Rectangle (L: 6.69", W: 77.17")  
**Test:** 2020-01-30-2  
**Test Lab:** GLP Light Lab  
**Photometry :** Type B  
**Nema Type:** 3 X 3



### Roadway Summary

Cutoff Classification:	N/A
Distribution:	TYPE I, VERY SHORT
Max Cd, 90 Deg Vert:	39,532.8
Max Cd, 80 to <90 Deg:	0
Lumens % Lamp	
Downward Street Side:	2,977.0 50.8%
Downward House Side:	2,931.2 50%
Downward Total:	5,908.2 100.8%
Total Lumens:	5,908.2 100.8%

### Flood Summary

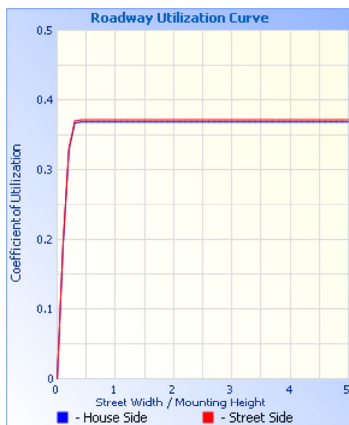
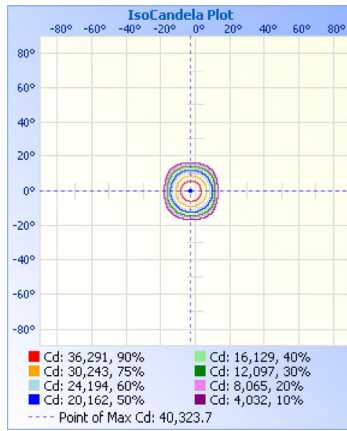
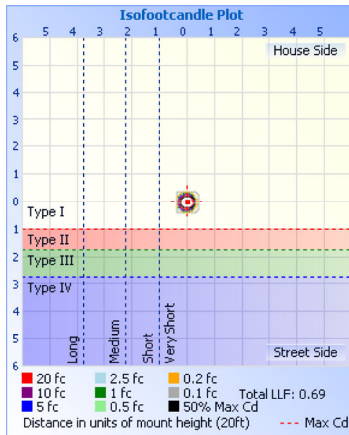
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.1%	5,747.0	30.9	33
Beam (50%):	75.1%	4,400.1	24.2	24.6
<b>Total:</b>	<b>100.8%</b>	<b>5,904.9</b>		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	5,906.1	100.8%	100%
0-40	5,906.1	100.8%	100%
0-60	5,906.1	100.8%	100%
60-90	0	0%	0%
0-90	5,906.1	100.8%	100%

### Lumens Per Zone

Zone	Lumens	% Total
0-10	3,160.5	53.5%
10-20	2,718.8	46.0%
20-30	26.8	0.5%
30-40	0	0.0%
40-50	0	0.0%
50-60	0	0.0%
60-70	0	0.0%
70-80	0	0.0%
80-90	0	0.0%



### Illuminance at a Distance

Center Beam fc	Beam Width	
17.0ft	137 fc	7.4 ft 7.3 ft
34.0ft	34.2 fc	14.8 ft 14.6 ft
51.0ft	15.2 fc	22.2 ft 21.9 ft
68.0ft	8.55 fc	29.6 ft 29.2 ft
85.0ft	5.47 fc	37.0 ft 36.4 ft
102.0ft	3.80 fc	44.4 ft 43.7 ft

■ Vert. Spread: 24.6°  
■ Horiz. Spread: 24.2°

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80	70	50	30	10	0
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RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.20	1.20	1.20	1.20	1.17	1.17	1.17	1.01	1.12	1.12	1.12	1.07	1.07	1.07	1.03	1.03	1.03	1.01
1	1.17	1.15	1.13	1.12	1.14	1.13	1.11	.99	1.09	1.08	1.07	1.05	1.04	1.03	1.02	1.01	1.01	.99
2	1.14	1.11	1.08	1.06	1.12	1.09	1.07	.98	1.06	1.04	1.03	1.03	1.02	1.01	1.01	.99	.98	.97
3	1.11	1.07	1.04	1.02	1.09	1.06	1.03	.96	1.04	1.01	1.00	1.01	1.00	.98	.99	.98	.97	.95
4	1.09	1.04	1.01	.99	1.07	1.03	1.00	.94	1.01	.99	.97	1.00	.98	.96	.98	.96	.95	.94
5	1.06	1.02	.98	.96	1.05	1.01	.98	.93	.99	.97	.95	.98	.96	.94	.97	.95	.93	.92
6	1.04	.99	.96	.94	1.03	.99	.96	.91	.97	.95	.93	.96	.94	.92	.95	.93	.92	.91
7	1.02	.97	.94	.92	1.01	.97	.94	.90	.96	.93	.91	.95	.92	.91	.94	.92	.90	.89
8	1.01	.95	.92	.90	1.00	.95	.92	.89	.94	.91	.89	.93	.91	.89	.93	.90	.89	.88
9	.99	.94	.90	.88	.98	.93	.90	.87	.93	.90	.88	.92	.89	.88	.91	.89	.87	.87
10	.97	.92	.89	.87	.97	.92	.89	.86	.91	.88	.87	.91	.88	.86	.90	.88	.86	.86





**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: 157, HORIZONTAL ANGLES: 157  
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.