

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** LBX36C

**Manufacturer:** INFINILUX - LED GARAGE LUMINAIRE

**Luminaire:** WITH WHITE INTERIOR

**Luminaire Cat:** LBX36C

**Lamp:** 36 LEDs WITH INDIVIDUAL LENSES. LUMINAIRE OUTPUT = 3239 LMS

**Lamp Output:** 1 lamp(s), rated Lumens/lamp: 3239.59

**Max Candela:** 1,570.1 at Horizontal: 45°, Vertical: 67.5°

**Input Wattage:** 42.2

**Luminous Opening:** Rectangle (L: 0.69ft, W: 0.69ft)

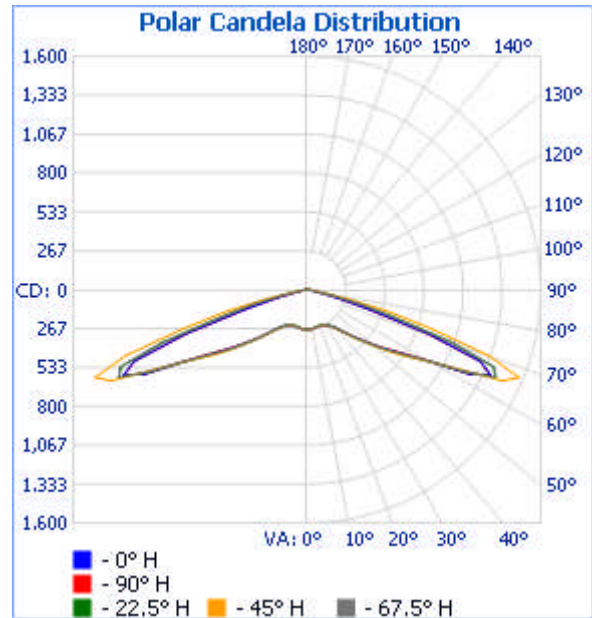
**Test:** 29665

**Test Lab:** LIGHTING SCIENCES, INC.

**Photometry :** Type C

**CIE Class:** Direct

**Cutoff Class:** Full Cutoff



### Flood Summary

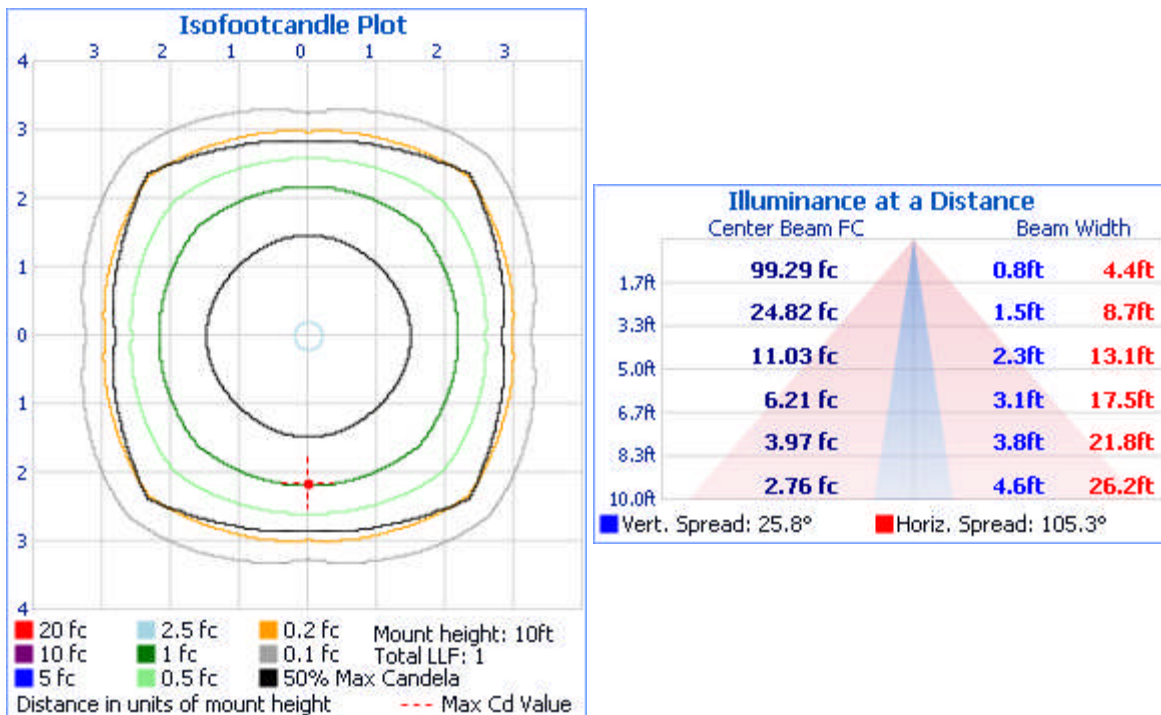
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.5%	3,191.7	130	151.2
Beam (50%):	55.5%	1,799.3	105.3	25.8
<b>Total:</b>	<b>100%</b>	<b>3,238.0</b>		

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	225.2	7%
0-40	427.6	13.2%
0-60	1,491.5	46%
60-90	1,748.1	54%
70-100	484.6	15%
90-120	0	0%
0-90	3,239.6	100%
90-180	0	0%
0-180	3,239.6	100%

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	25.8	0.8%	90-100	0	0%
10-20	74.7	2.3%	100-110	0	0%
20-30	124.7	3.8%	110-120	0	0%
30-40	202.4	6.2%	120-130	0	0%
40-50	368.0	11.4%	130-140	0	0%
50-60	695.8	21.5%	140-150	0	0%
60-70	1,263.5	39.0%	150-160	0	0%
70-80	461.1	14.2%	160-170	0	0%
80-90	23.5	0.7%	170-180	0	0%



**Coefficients Of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0			
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.00	1.06	1.06	1.06	1.00	1.02	1.02	1.02	1.00	1.02	1.02	1.02	1.00
1	1.05	.99	.93	.88	1.02	.96	.91	.77	.92	.87	.83	.77	.88	.84	.81	.77	.84	.81	.78	.76	.84	.81	.78	.76
2	.91	.80	.71	.63	.88	.78	.69	.57	.74	.67	.60	.57	.70	.64	.59	.57	.67	.62	.58	.55	.67	.62	.58	.55
3	.80	.66	.55	.46	.77	.64	.54	.42	.60	.52	.44	.42	.57	.50	.44	.44	.55	.48	.43	.40	.55	.48	.43	.40
4	.70	.55	.43	.34	.68	.53	.42	.32	.50	.41	.33	.32	.48	.40	.33	.33	.45	.38	.32	.30	.45	.38	.32	.30
5	.63	.47	.35	.27	.61	.45	.34	.25	.43	.33	.26	.26	.41	.32	.26	.26	.39	.31	.25	.22	.39	.31	.25	.22
6	.57	.40	.29	.21	.55	.39	.29	.20	.37	.28	.21	.21	.35	.27	.20	.20	.34	.26	.20	.18	.34	.26	.20	.18
7	.52	.35	.25	.17	.50	.35	.24	.16	.33	.24	.17	.17	.31	.23	.17	.17	.30	.22	.16	.14	.30	.22	.16	.14
8	.48	.32	.21	.14	.46	.31	.21	.14	.29	.20	.14	.14	.28	.20	.14	.14	.27	.19	.14	.12	.27	.19	.14	.12
9	.44	.29	.19	.12	.43	.28	.19	.12	.27	.18	.12	.12	.25	.18	.12	.12	.24	.17	.12	.10	.24	.17	.12	.10
10	.41	.26	.17	.11	.40	.25	.17	.10	.24	.16	.10	.10	.23	.16	.10	.10	.22	.15	.10	.08	.22	.15	.10	.08

**Luminaire Report Summary**

IESNA:LM-63-2002  
 [TEST]29665  
 [TESTLAB]LIGHTING SCIENCES, INC.  
 [ISSUEDATE]10/ 4/2011  
 [MANUFAC]INFINILUX - LED GARAGE LUMINAIRE  
 [LUMCAT]LBX36C  
 [LUMINAIRE]WITH WHITE INTERIOR  
 [LAMP]36 LEDS WITH INDIVIDUAL LENSES. LUMINAIRE OUTPUT = 3239 LMS

[OTHER]LUMINAIRE OPERATING AT 277 VAC AND 42.2 WATTS

FILE: CREATED USING ABSOLUTE PHOTOMETRY  
 FILE: CANDELA MULTIPLIER: 1  
 FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 5  
 FILE: COORDINATE SYSTEM: TYPE C  
 FILE: UNIT OF MEASURE: STANDARD  
 FILE: BALLAST FACTOR: 1

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