

# STANPRO

Lighting Systems Inc. | Systèmes d'éclairage Inc.

**Filename:** PAR18-12V-4W-LED

**Manufacturer:** STANPRO LIGHTING SYSTEMS SAINT LAURENT, QUEBEC

**Luminaire:** STANPRO LIGHTING SYSTEMS EMERG. REMOTE HEAD WITH LED LENS OPTICS

**Luminaire Cat:** PAR18-12V-4W-LED

**Lamp:** THREE WHITE LEDS. LUMEN OUTPUT = 310 LMS.

**Lamp Output:** Total luminaire Lumens: 310

**Max Candela:** 1,802.0 at Horizontal: 0°, Vertical: 0°

**Input Wattage:** 2.944

**Luminous Opening:** Point

**Test:** LSCG190

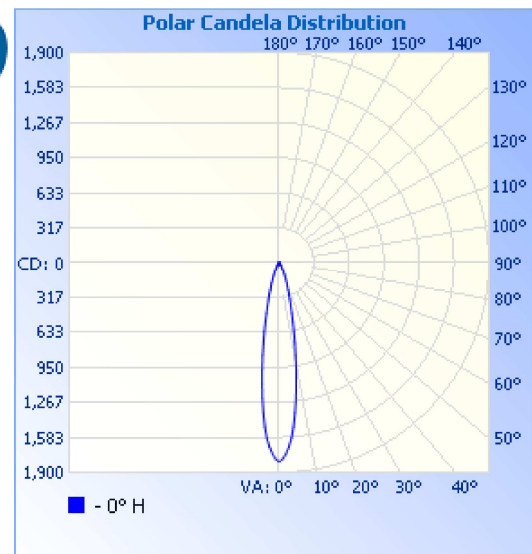
**Test Lab:** Lighting Sciences Canada Ltd. 160 Frobisher Drive, Unit 5 Waterloo, Ontario

**Photometry :** Type C

**CIE Class:** Direct

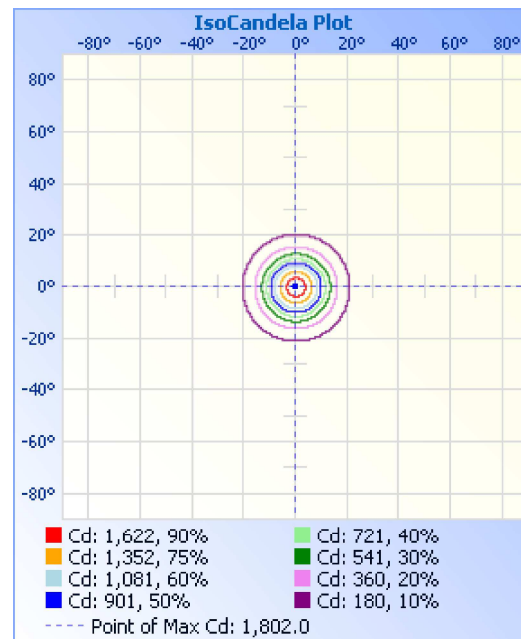
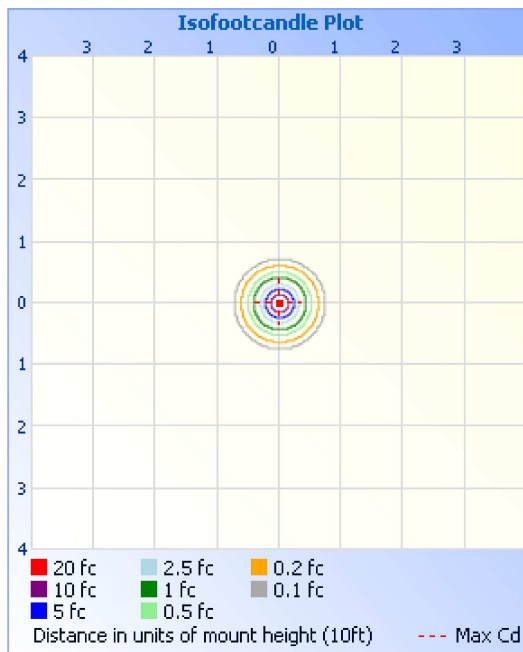
**Cutoff Class:** Full Cutoff

**Nema Type:** 3 X 3



## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	283.8	91.6%
0-40	298.5	96.3%
0-60	307.9	99.3%
60-90	2.1	0.7%
70-100	0.3	0.1%
90-120	0	0%
0-90	310.0	100%
90-180	0	0%
0-180	310.0	100%



Illuminance at a Distance		
	Center Beam fc	Beam Width
3.0ft	200 fc	1.0 ft
6.0ft	50.1 fc	2.0 ft
9.0ft	22.2 fc	3.1 ft
12.0ft	12.5 fc	4.1 ft
15.0ft	8.01 fc	5.1 ft
18.0ft	5.56 fc	6.1 ft
■ Beam Spread: 19.3°		

## 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	50	30	20	50	30	20	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	1.06	1.06	1.06	1.02	1.02	1.02	1.00	1.02	1.02	1.00
1	1.15	1.13	1.11	1.09	1.13	1.11	1.09	.97	1.07	1.05	1.04	1.03	1.02	1.01	1.00	.99	.98	.96	.99	.98	.96
2	1.11	1.07	1.04	1.02	1.09	1.06	1.03	.93	1.02	1.00	.98	1.00	.98	.96	.97	.96	.94	.93	.96	.94	.93
3	1.07	1.03	.99	.96	1.06	1.01	.98	.90	.99	.96	.94	.96	.94	.92	.94	.92	.91	.90	.92	.91	.90
4	1.04	.98	.94	.91	1.02	.97	.94	.87	.95	.92	.90	.94	.91	.89	.92	.90	.88	.87	.89	.88	.87
5	1.01	.95	.91	.87	.99	.94	.90	.85	.92	.89	.86	.91	.88	.86	.89	.87	.85	.84	.87	.85	.84
6	.98	.91	.87	.84	.97	.91	.87	.82	.89	.86	.83	.88	.85	.83	.87	.84	.82	.81	.86	.84	.81
7	.95	.88	.84	.81	.94	.88	.84	.80	.87	.83	.81	.86	.83	.80	.85	.82	.80	.79	.84	.82	.79
8	.92	.86	.82	.79	.91	.85	.81	.78	.84	.81	.78	.83	.80	.78	.83	.80	.78	.77	.82	.79	.77
9	.90	.83	.79	.76	.89	.83	.79	.76	.82	.79	.76	.81	.78	.76	.81	.78	.76	.75	.80	.78	.75
10	.88	.81	.77	.74	.87	.81	.77	.74	.80	.76	.74	.79	.76	.74	.79	.76	.74	.73	.78	.76	.73

## Luminaire Report Summary

IESNA:LM-63-2002  
 [TEST] LSCG190  
 [TESTLAB] Lighting Sciences Canada Ltd.  
 [MORE] 160 Frobisher Drive, Unit 5  
 [MORE] Waterloo, Ontario  
 [ISSUEDATE] 10-12-2012  
 [MANUFAC] STANPRO LIGHTING SYSTEMS  
 [MORE] SAINT LAURENT, QUEBEC  
 [LUMCAT] PAR18-12V-4W-LED  
 [LUMINAIRE] STANPRO LIGHTING SYSTEMS EMERG. REMOTE HEAD  
 [MORE] WITH LED LENS OPTICS  
 [LAMP] THREE WHITE LEDS. LUMEN OUTPUT = 310 LMS.  
 [OTHER] ABSOLUTE PHOTOMETRY

FILE: CREATED USING ABSOLUTE PHOTOMETRY  
 FILE: CANDELA MULTIPLIER: 1.3163  
 FILE: VERTICAL ANGLES: 91, HORIZONTAL ANGLES: 1  
 FILE: COORDINATE SYSTEM: TYPE C  
 FILE: UNIT OF MEASURE: STANDARD  
 FILE: BALLAST FACTOR: 1

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