

# STANPRO

Lighting Systems Inc. | Systèmes d'éclairage Inc.

**Filename: MR16-12V-04W-LED**

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

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

**Luminaire Cat:** MR16-12V-04W-LED

**Lamp:** THREE WHITE LEDS. LUMEN OUTPUT = 178 LMS.

**Lamp Output:** Total luminaire Lumens: 177.8

**Max Candela:** 377.0 at Horizontal: 0°, Vertical: 0°

**Input Wattage:** 3.094

**Luminous Opening:** Point

**Test:** LSCG238

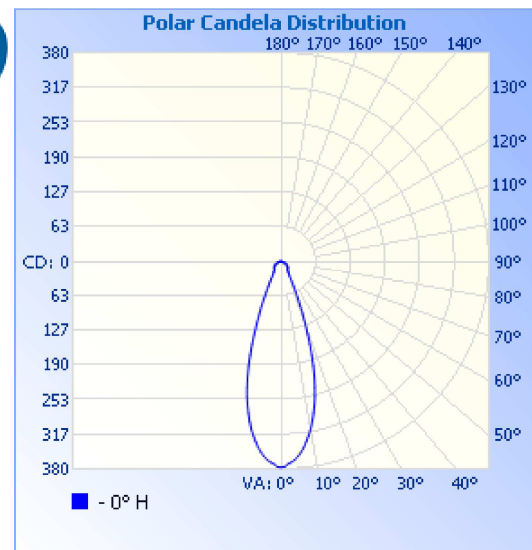
**Test Lab:** Lighting Sciences Canada Ltd. 160 Frobisher Drive, Unit 5 Waterloo, Ontario

**Photometry :** Type C

**CIE Class:** Direct

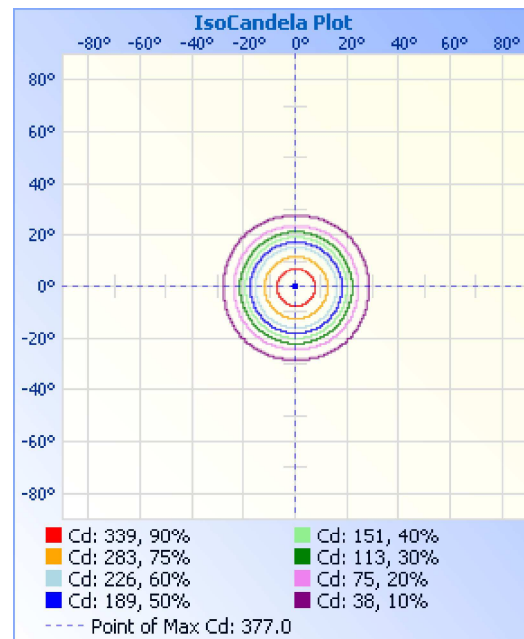
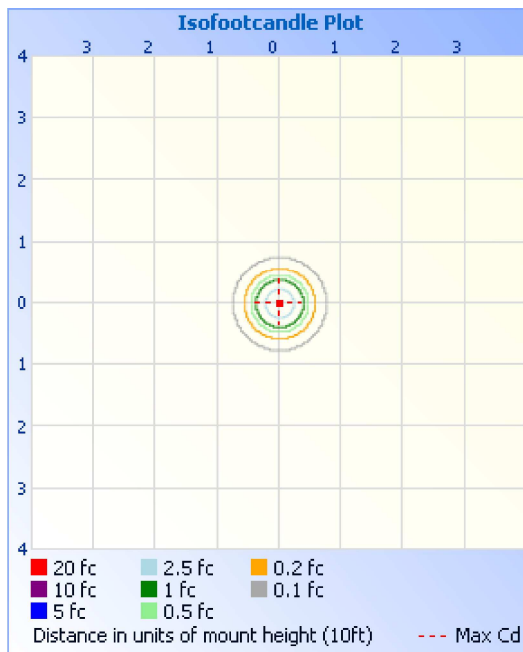
**Cutoff Class:** Full Cutoff

**Nema Type:** 4 X 4



## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	127.8	71.9%
0-40	141.5	79.6%
0-60	167.0	93.9%
60-90	10.8	6.1%
70-100	3.2	1.8%
90-120	0	0%
0-90	177.8	100%
90-180	0	0%
0-180	177.8	100%



Illuminance at a Distance		
	Center Beam fc	Beam Width
1.7ft	<b>130 fc</b>	<b>1.1 ft</b>
3.3ft	<b>34.6 fc</b>	<b>2.1 ft</b>
5.0ft	<b>15.1 fc</b>	<b>3.2 ft</b>
6.7ft	<b>8.40 fc</b>	<b>4.3 ft</b>
8.3ft	<b>5.47 fc</b>	<b>5.3 ft</b>
10.0ft	<b>3.77 fc</b>	<b>6.4 ft</b>
■ Beam Spread: 35.4°		

## 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	10	50	30	20	10	50	30	20	10	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	1.02	1.02	1.02	1.00
1	1.13	1.10	1.07	1.05	1.10	1.08	1.05	.93	1.04	1.02	1.00	1.00	.98	.97	.97	.95	.94	.94	.92	.92	.92
2	1.07	1.02	.97	.94	1.05	1.00	.96	.86	.97	.94	.91	.94	.91	.89	.91	.89	.87	.87	.85	.85	.85
3	1.01	.95	.89	.85	.99	.93	.88	.80	.91	.87	.83	.88	.85	.82	.86	.83	.81	.79	.79	.79	.79
4	.96	.89	.83	.78	.95	.87	.82	.75	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74	.74	.74	.74
5	.92	.83	.77	.73	.90	.82	.77	.70	.81	.76	.72	.79	.75	.71	.77	.74	.71	.69	.69	.69	.69
6	.88	.79	.73	.68	.86	.78	.72	.67	.76	.71	.68	.75	.71	.67	.74	.70	.67	.65	.65	.65	.65
7	.84	.75	.69	.65	.83	.74	.68	.63	.73	.68	.64	.72	.67	.64	.70	.66	.63	.62	.62	.62	.62
8	.80	.71	.65	.61	.79	.71	.65	.60	.69	.64	.61	.68	.64	.61	.67	.63	.60	.59	.59	.59	.59
9	.77	.68	.62	.58	.76	.67	.62	.58	.66	.62	.58	.66	.61	.58	.65	.61	.58	.56	.56	.56	.56
10	.74	.65	.59	.56	.73	.65	.59	.55	.64	.59	.56	.63	.59	.55	.62	.58	.55	.54	.54	.54	.54

## Luminaire Report Summary

IESNA:LM-63-2002  
 [TEST] LSCG238  
 [TESTLAB] Lighting Sciences Canada Ltd.  
 [MORE] 160 Frobisher Drive, Unit 5  
 [MORE] Waterloo, Ontario  
 [ISSUEDATE] 10-31-2012  
 [MANUFAC] STANPRO LIGHTING SYSTEMS  
 [MORE] SAINT LAURENT, QUEBEC  
 [LUMCAT] MR16-12V-04W-LED  
 [LUMINAIRE] STANPRO LIGHTING SYSTEMS EMERGENCY REMOTE HEAD  
 [MORE] WITH LED LENS OPTICS  
 [LAMP] THREE WHITE LEDS. LUMEN OUTPUT = 178 LMS.  
 [OTHER] (OPERATED AT 11.5 VDC)  
 [OTHER] ABSOLUTE PHOTOMETRY

FILE: CREATED USING ABSOLUTE PHOTOMETRY  
 FILE: CANDELA MULTIPLIER: 1  
 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.