

STANPRO

Lighting Systems Inc. | Systèmes d'éclairage Inc.

Filename: MR16-12V-05W-LED

Manufacturer: STANPRO LIGHTING SYSTEMS INC. ST-LAURENT, QUEBEC

Luminaire: STANPRO 12V MR16 EMERGENCY LED LAMP WITH INDIVIDUAL LED LENS OPTICS

Luminaire Cat: MR16-12V-05W-LED

Lamp: FOUR WHITE LEDS. LUMEN OUTPUT = 457 LMS.

Lamp Output: Total luminaire Lumens: 456.7

Max Candela: 1,380.5 at Horizontal: 0°, Vertical: 0°

Input Wattage: 5.2

Luminous Opening: Point

Test: J090C

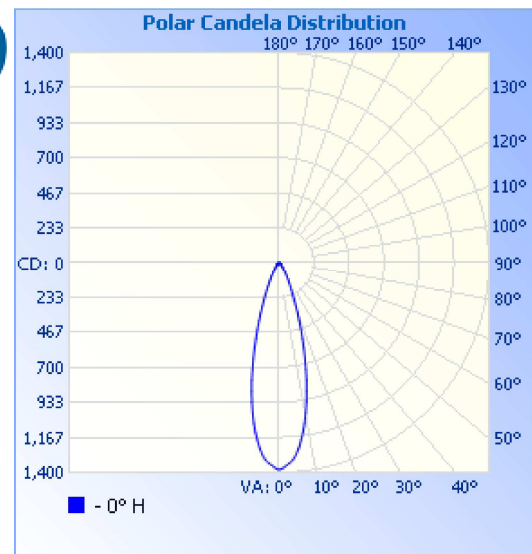
Test Lab: Lumentra, Inc. 160 Frobisher Drive, Unit 5 Waterloo, Ontario NVLAP LAB CODE 500084-0

Photometry : Type C

CIE Class: Direct

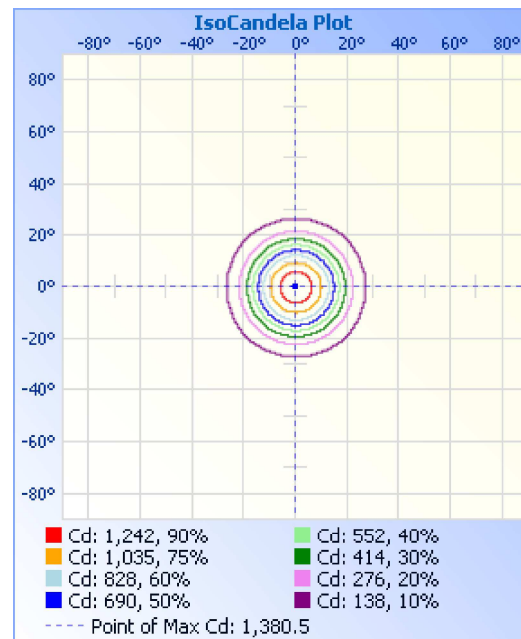
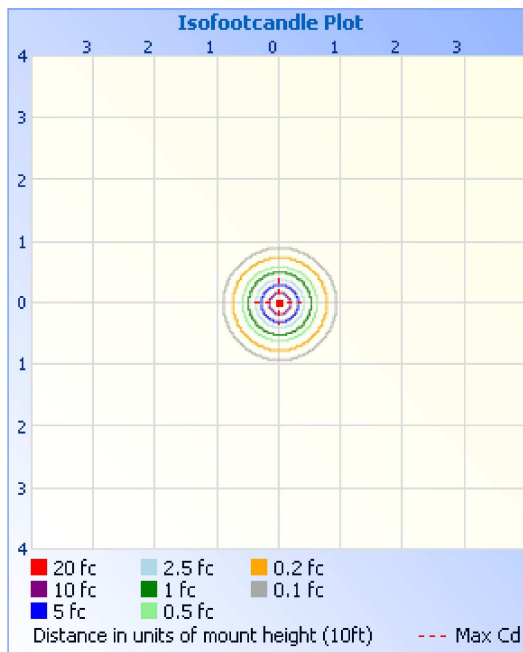
Cutoff Class: Full Cutoff

Nema Type: 4 X 4



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	379.9	83.2%
0-40	412.6	90.4%
0-60	442.1	96.8%
60-90	14.6	3.2%
70-100	5.3	1.2%
90-120	0	0%
0-90	456.7	100%
90-180	0	0%
0-180	456.7	100%



Illuminance at a Distance		
	Center Beam fc	Beam Width
3.0ft	153 fc	1.6 ft
6.0ft	38.3 fc	3.1 ft
9.0ft	17.0 fc	4.7 ft
12.0ft	9.59 fc	6.3 ft
15.0ft	6.14 fc	7.9 ft
18.0ft	4.26 fc	9.4 ft
■ Beam Spread: 29.3°		

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	1.14	1.11	1.09	1.07	1.11	1.09	1.07	.95	1.05	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.94			
2	1.09	1.05	1.01	.98	1.07	1.03	.99	.90	1.00	.97	.95	.97	.94	.93	.94	.92	.91	.89			
3	1.04	.99	.94	.91	1.02	.97	.93	.85	.95	.91	.88	.92	.89	.87	.90	.88	.86	.84			
4	1.00	.94	.89	.85	.98	.92	.88	.81	.90	.86	.83	.88	.85	.82	.87	.84	.82	.80			
5	.96	.89	.84	.80	.95	.88	.83	.77	.86	.82	.79	.85	.81	.78	.83	.80	.78	.76			
6	.93	.85	.80	.76	.91	.84	.79	.74	.83	.79	.75	.81	.78	.75	.80	.77	.74	.73			
7	.89	.81	.76	.73	.88	.81	.76	.71	.80	.75	.72	.78	.75	.72	.77	.74	.71	.70			
8	.86	.78	.73	.70	.85	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.69	.67			
9	.83	.75	.70	.67	.82	.75	.70	.66	.74	.70	.67	.73	.69	.66	.72	.69	.66	.65			
10	.81	.72	.68	.64	.80	.72	.67	.64	.71	.67	.64	.71	.67	.64	.70	.66	.64	.63			

Luminaire Report Summary

IESNA:LM-63-2002
 [TEST] J090C
 [TESTLAB] Lumentra, Inc.
 [MORE] 160 Frobisher Drive, Unit 5
 [MORE] Waterloo, Ontario
 [MORE] NVLAP LAB CODE 500084-0
 [ISSUEDATE] 11-19-2014
 [MANUFAC] STANPRO LIGHTING SYSTEMS INC.
 [MORE] ST-LAURENT, QUEBEC
 [LUMCAT] MR16-12V-05W-LED
 [LUMINAIRE] STANPRO 12V MR16 EMERGENCY LED LAMP
 [MORE] WITH INDIVIDUAL LED LENS OPTICS
 [LAMP] FOUR WHITE LEDS. LUMEN OUTPUT = 457 LMS.
 [OTHER] ABSOLUTE PHOTOMETRY
 [_PF] 1
 [_TEMPERATURE] 24.2
 [_STABILIZATION] 1 HOUR
 [_LUMENS] 457

FILE: CREATED USING ABSOLUTE PHOTOMETRY
 FILE: CANDELA MULTIPLIER: 1.2677
 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.