

STANPRO

Lighting Systems Inc. | Systèmes d'éclairage Inc.

Filename: TL9202-15-3-M23°-A

Manufacturer: STANPRO LIGHTING SYSTEMS INC. DORVAL, QUEBEC

Luminaire: STANPRO 15W LED MEDIUM TRACK HEAD WITH SPECULAR FACETED REFLECTOR AND CLEAR LENS

Luminaire Cat: TL9202-15-3-M23-A

Lamp: ONE WHITE ARRAY LED. LUMEN OUTPUT = 1035 LMS.

Lamp Output: Total luminaire Lumens: 1036.1

Max Candela: 4,569.0 at Horizontal: 0°, Vertical: 0°

Input Wattage: 14.76

Luminous Opening: Circular (Dia: 1.8")

Test: J137C

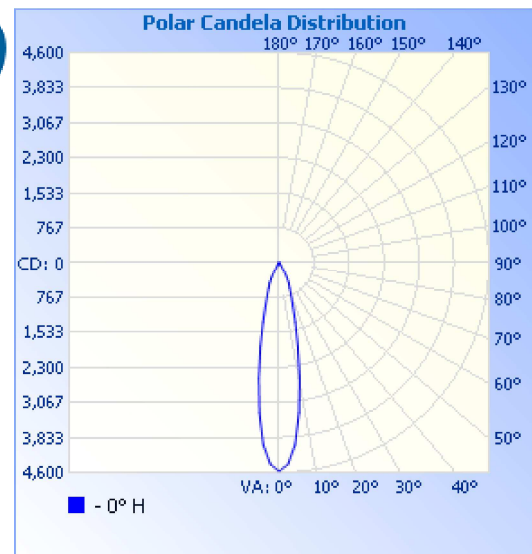
Test Lab: Lumentra, Inc. 160 Frobisher Drive, Unit 5 Waterloo, Ontario NVLAP LAB CODE 500084-0

Photometry : Type C

CIE Class: Direct

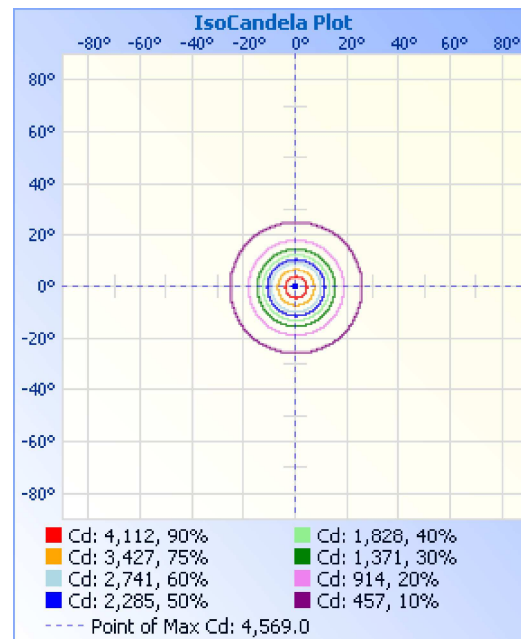
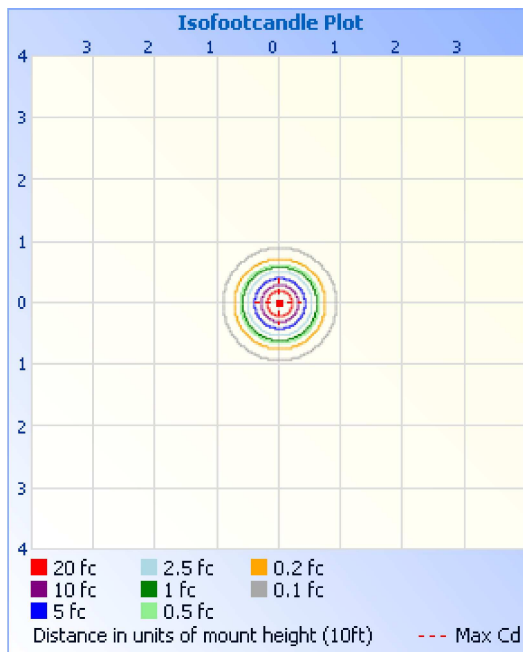
Cutoff Class: Full Cutoff

Nema Type: 4 X 4



Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|---------|-------------|
| 0-30 | 937.9 | 90.5% |
| 0-40 | 979.5 | 94.5% |
| 0-60 | 1,009.7 | 97.5% |
| 60-90 | 26.4 | 2.5% |
| 70-100 | 11.6 | 1.1% |
| 90-120 | 0 | 0% |
| 0-90 | 1,036.1 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 1,036.1 | 100% |



| Illuminance at a Distance | | |
|---------------------------|----------------|---------------|
| | Center Beam fc | Beam Width |
| 3.0ft | 508 fc | 1.2 ft |
| 6.0ft | 127 fc | 2.3 ft |
| 9.0ft | 56.4 fc | 3.5 ft |
| 12.0ft | 31.7 fc | 4.7 ft |
| 15.0ft | 20.3 fc | 5.9 ft |
| 18.0ft | 14.1 fc | 7.0 ft |
| ■ Beam Spread: 22.2° | | |

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 | 1.14 | 1.12 | 1.10 | 1.08 | 1.12 | 1.10 | 1.08 | .96 | 1.06 | 1.04 | 1.03 | 1.02 | 1.01 | 1.00 | .99 | .98 | .97 | .95 | .94 | .92 | .91 |
| 2 | 1.10 | 1.06 | 1.03 | 1.00 | 1.08 | 1.04 | 1.01 | .92 | 1.01 | .99 | .96 | .98 | .96 | .94 | .95 | .94 | .92 | .91 | .89 | .87 | .85 |
| 3 | 1.06 | 1.01 | .97 | .93 | 1.04 | .99 | .96 | .88 | .97 | .94 | .91 | .95 | .92 | .90 | .92 | .90 | .88 | .87 | .85 | .83 | .81 |
| 4 | 1.02 | .96 | .92 | .88 | 1.01 | .95 | .91 | .84 | .93 | .90 | .87 | .91 | .88 | .86 | .89 | .87 | .85 | .84 | .82 | .80 | .78 |
| 5 | .99 | .92 | .88 | .84 | .97 | .91 | .87 | .81 | .90 | .86 | .83 | .88 | .85 | .82 | .87 | .84 | .82 | .80 | .78 | .76 | .74 |
| 6 | .95 | .89 | .84 | .81 | .94 | .88 | .83 | .79 | .86 | .83 | .80 | .85 | .82 | .79 | .84 | .81 | .79 | .77 | .75 | .73 | .71 |
| 7 | .92 | .85 | .81 | .77 | .91 | .85 | .80 | .76 | .84 | .80 | .77 | .83 | .79 | .77 | .82 | .78 | .76 | .74 | .72 | .70 | .68 |
| 8 | .90 | .82 | .78 | .75 | .89 | .82 | .78 | .74 | .81 | .77 | .74 | .80 | .77 | .74 | .79 | .76 | .74 | .71 | .69 | .67 | .65 |
| 9 | .87 | .80 | .75 | .72 | .86 | .79 | .75 | .71 | .78 | .75 | .72 | .78 | .74 | .72 | .77 | .74 | .71 | .69 | .67 | .65 | .63 |
| 10 | .85 | .77 | .73 | .70 | .84 | .77 | .73 | .69 | .76 | .72 | .70 | .75 | .72 | .70 | .75 | .72 | .69 | .67 | .65 | .63 | .61 |

Luminaire Report Summary

IESNA:LM-63-2002
 [TEST] J137C
 [TESTLAB] Lumentra, Inc.
 [MORE] 160 Frobisher Drive, Unit 5
 [MORE] Waterloo, Ontario
 [MORE] NVLAP LAB CODE 500084-0
 [ISSUEDATE] 12-09-2014
 [MANUFAC] STANPRO LIGHTING SYSTEMS INC.
 [MORE] DORVAL, QUEBEC
 [LUMCAT] TL9202-15-3-M23-A
 [LUMINAIRE] STANPRO 15W LED MEDIUM TRACK HEAD
 [MORE] WITH SPECULAR FACETED REFLECTOR AND CLEAR LENS
 [LAMP] ONE WHITE ARRAY LED. LUMEN OUTPUT = 1035 LMS.
 [OTHER] 120V LED DRIVER
 [OTHER] ABSOLUTE PHOTOMETRY
 [_VOLTAGE] 120 VRMS
 [_CURRENT] 0.124 ARMS
 [_WATTAGE] 14.76
 [_PF] 0.992
 [_TEMPERATURE] 25.1
 [_STABILIZATION] 1 HOUR
 [_LUMENS] 1035
 [_EFFICACY] 70.1

FILE: CREATED USING ABSOLUTE PHOTOMETRY
 FILE: CANDELA MULTIPLIER: 1
 FILE: VERTICAL ANGLES: 37, 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.