

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
2/9/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
361 – {H_PLANES_DIST}°
15.0 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

SolaBulb_2700K_15_Degrees
SPOT

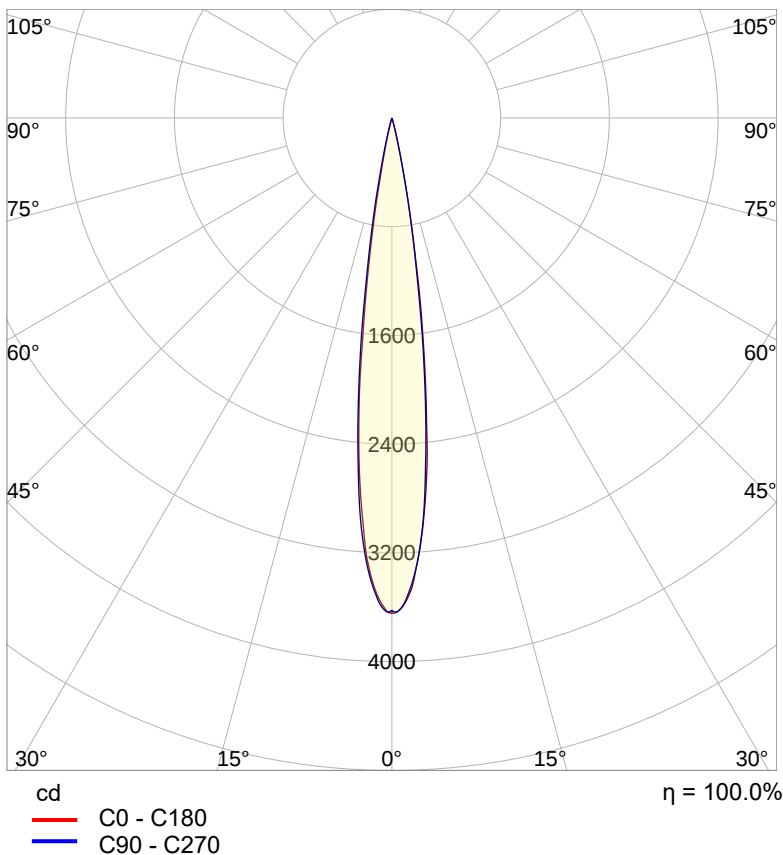
Astera

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

237 lm – 0% / 100%
16 lm/W
3644 cd
2700 K
CRI 0.0

Polar light distribution diagram

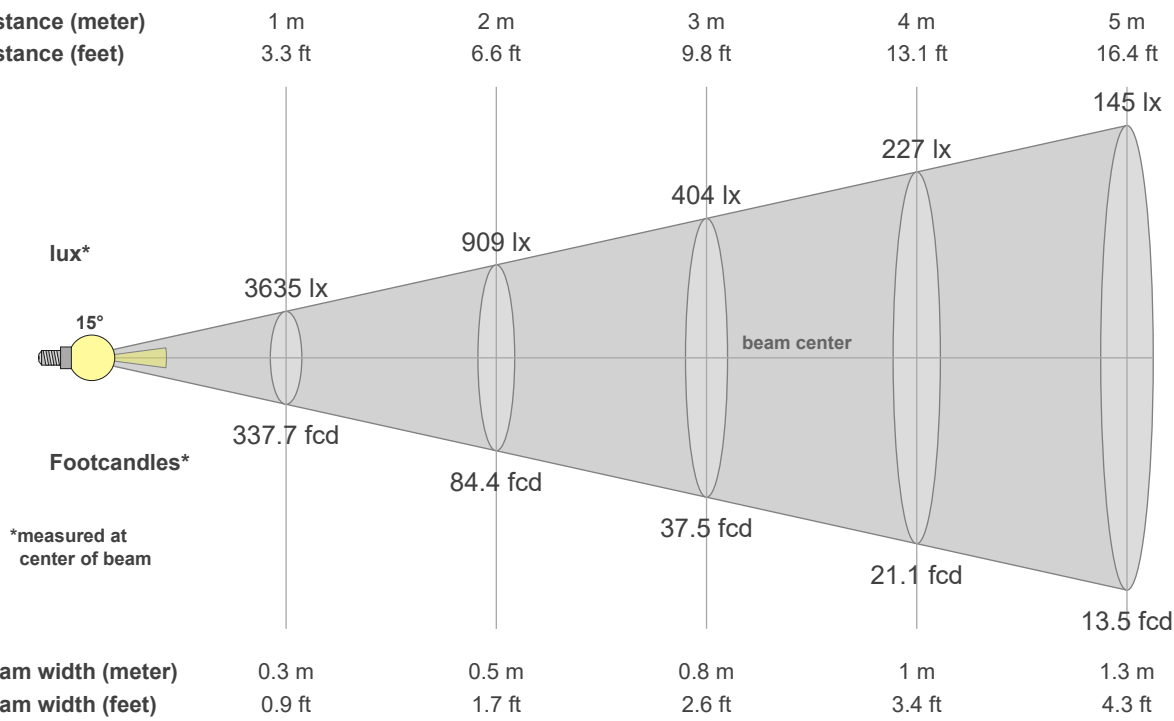


Test report

Light measurement results

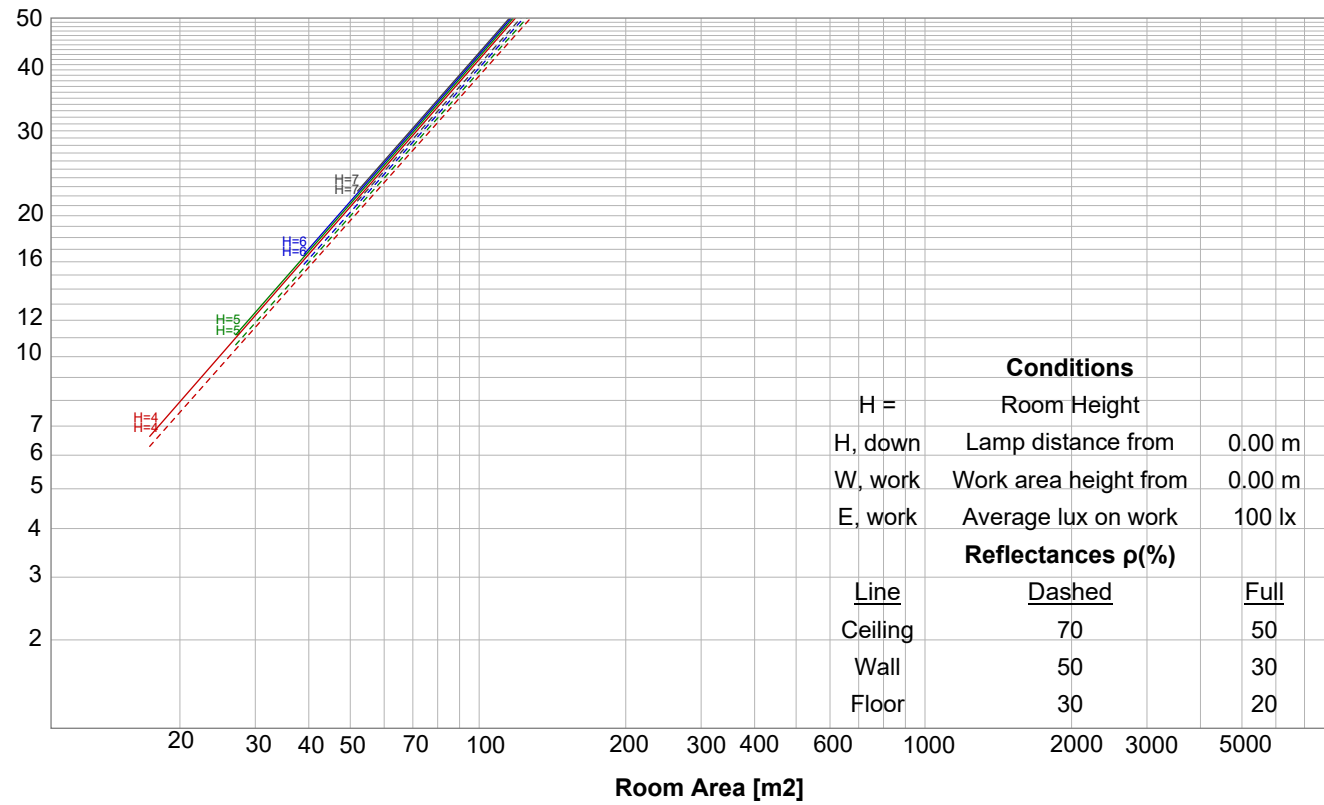
Print date 9/26/2025

Beam details

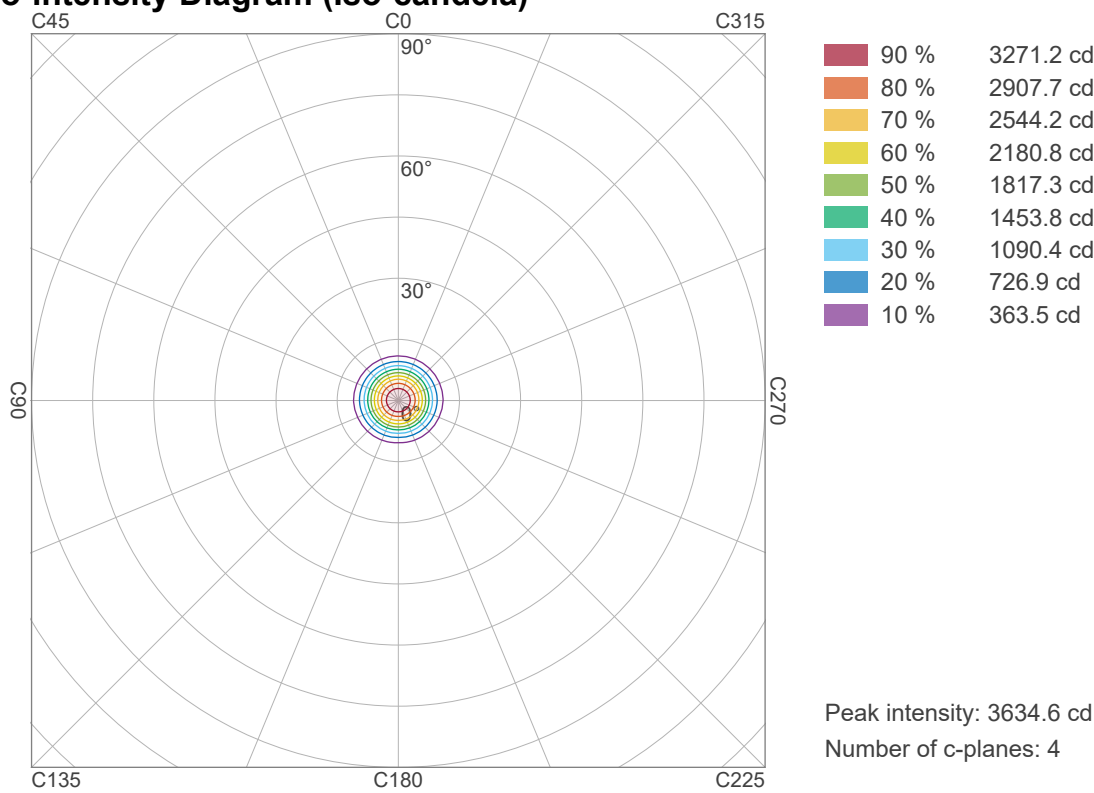


Luminaire budgetary diagram

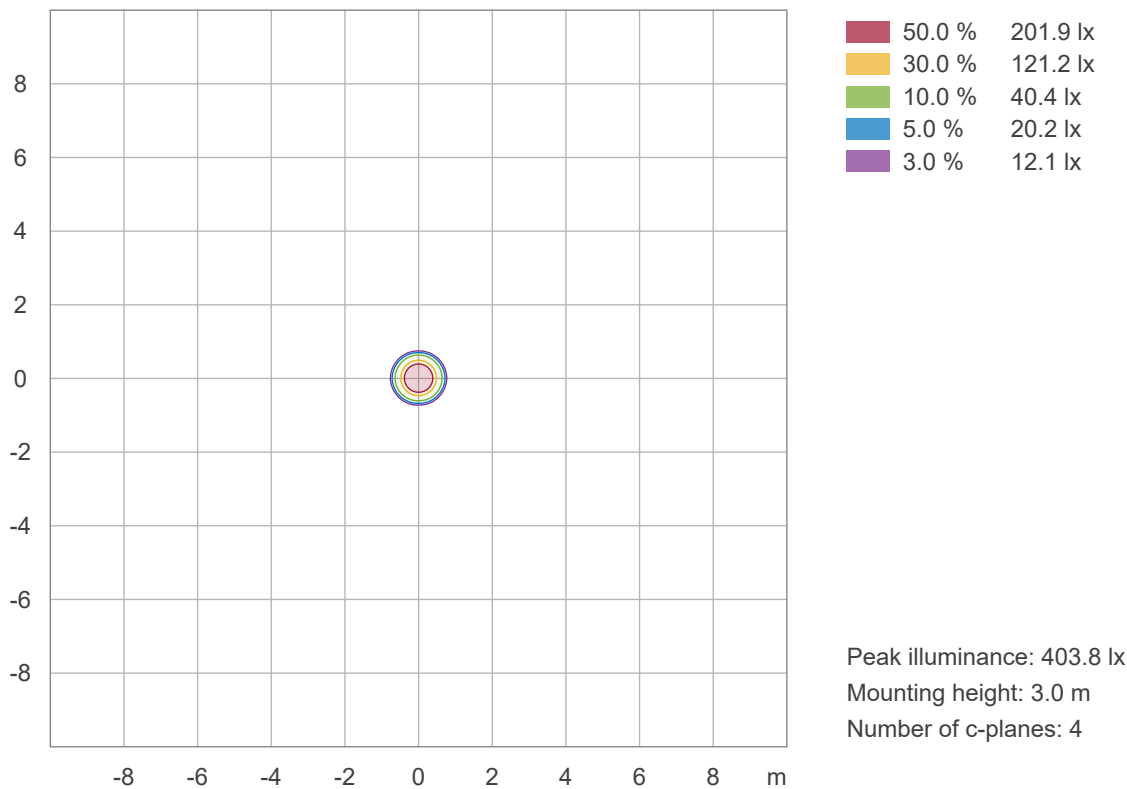
LAMPS (number of lamps)



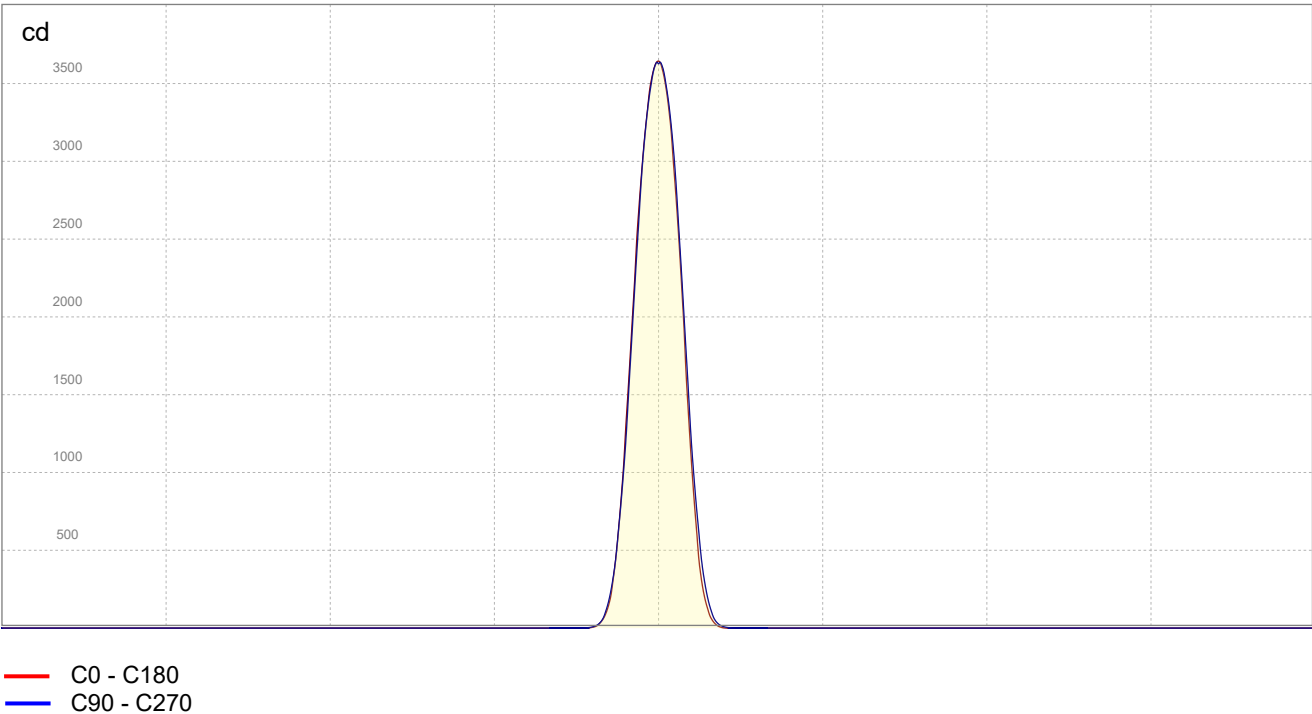
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

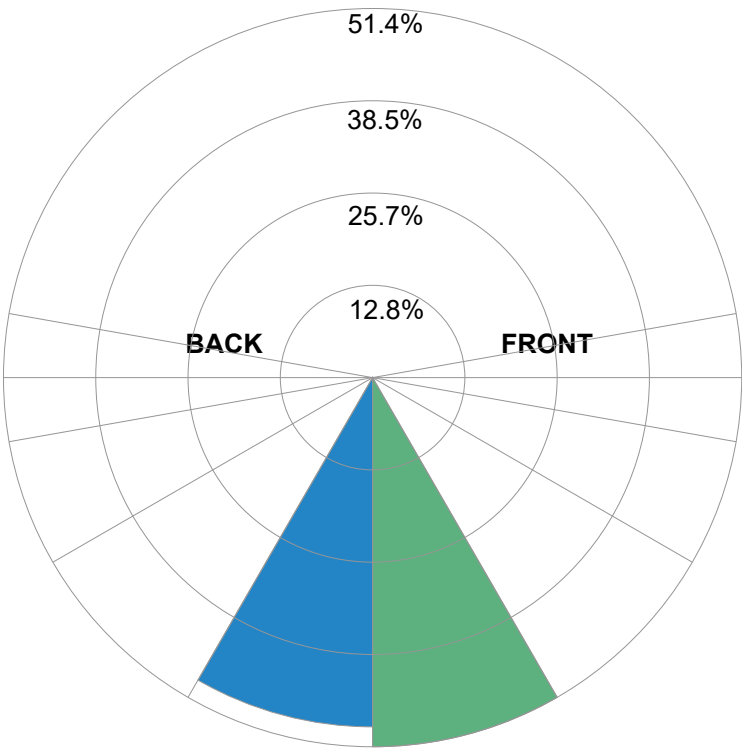


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	121.9	lm	51.4%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	115.4	lm	48.6%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	237	lm	100%
-----	-----	----	------

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
2/9/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
361 – {H_PLANES_DIST}°
14.0 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

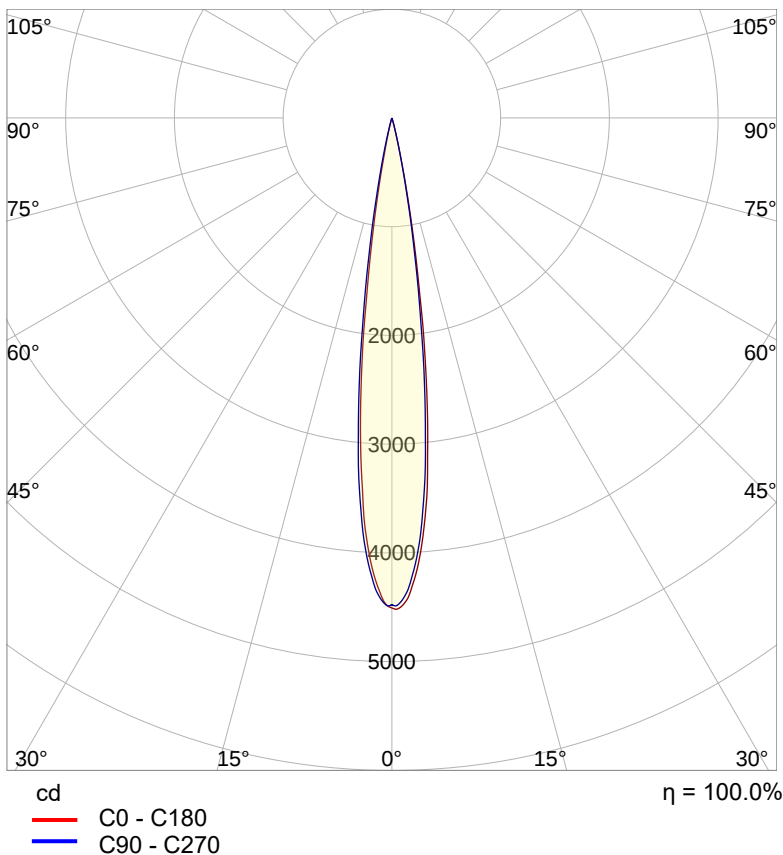
SolaBulb_3200K_15_Degrees
SPOT
Astera

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

293 lm – 0% / 100%
21 lm/W
4518 cd
3200 K
CRI 0.0

Polar light distribution diagram

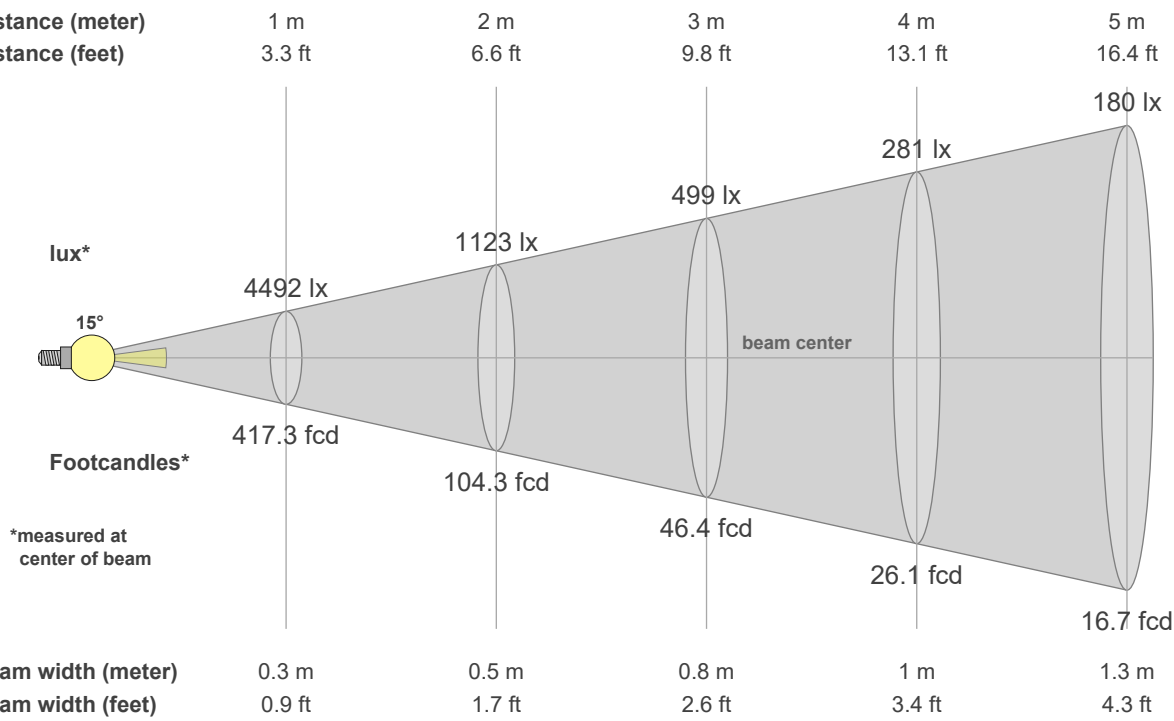


Test report

Light measurement results

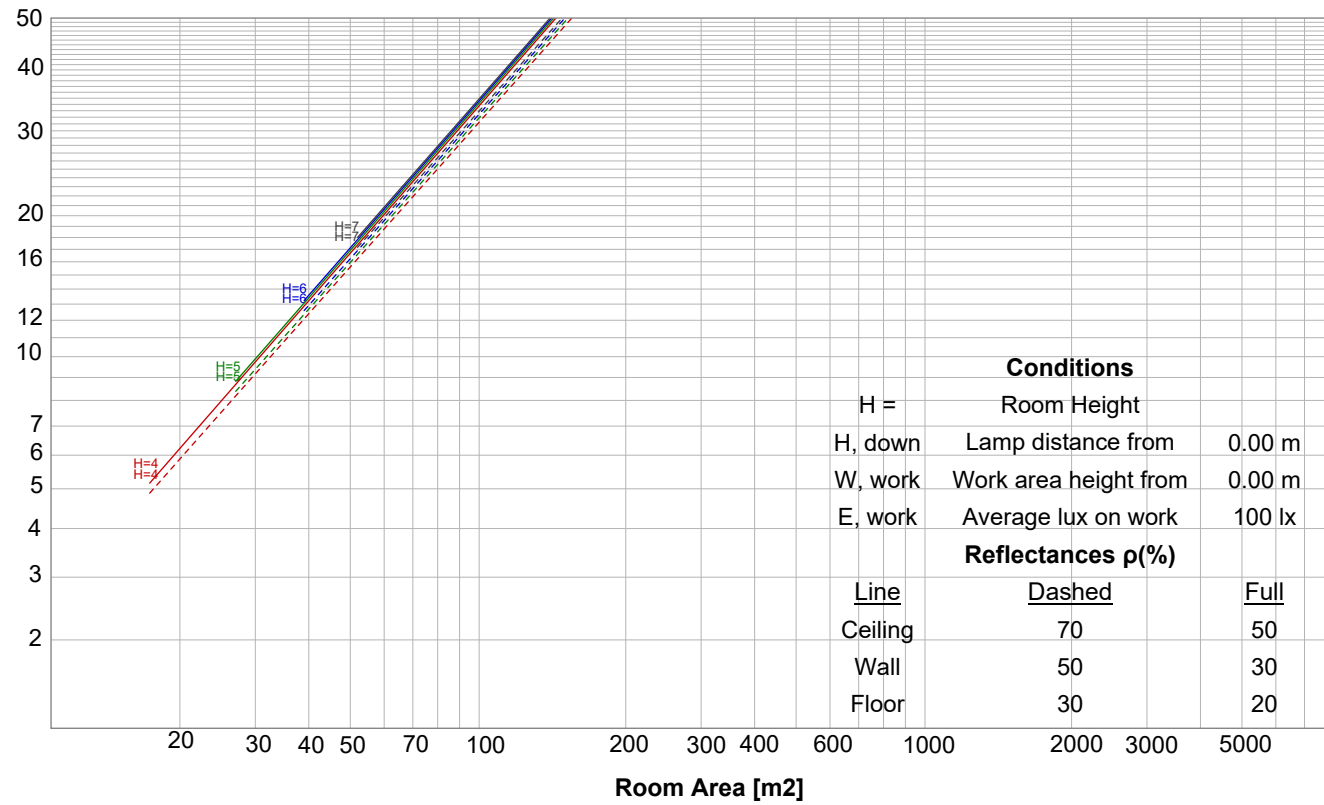
Print date 9/26/2025

Beam details

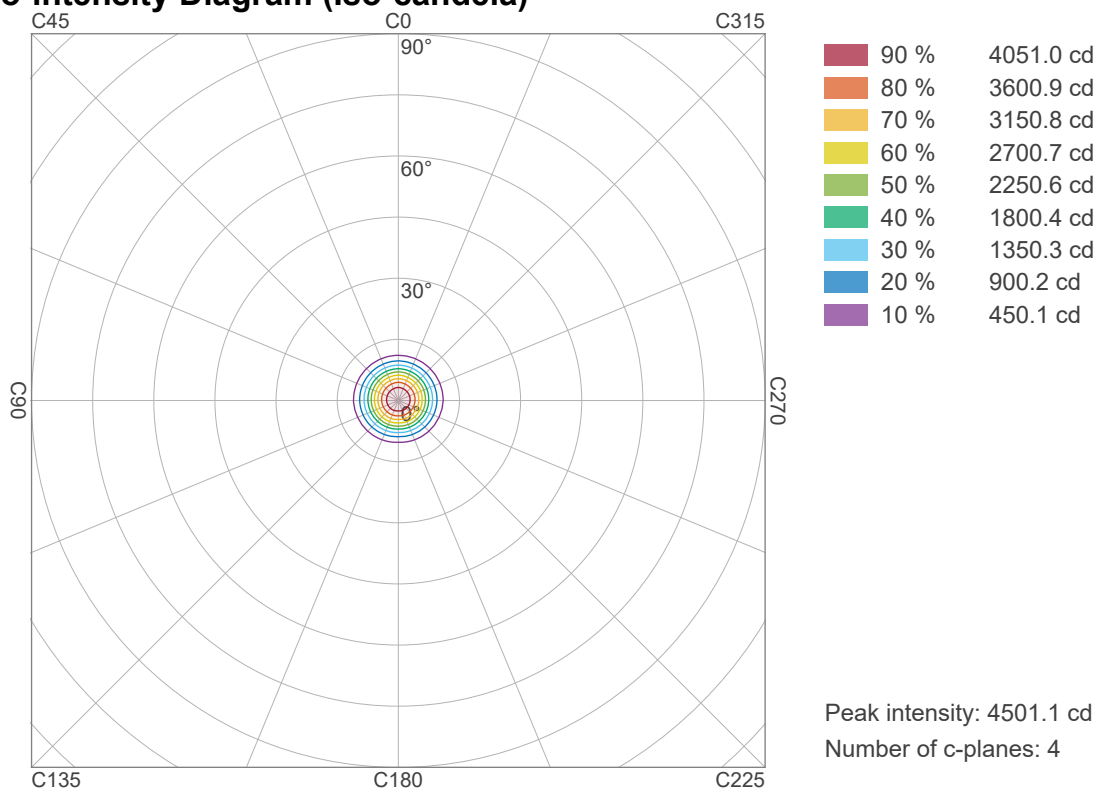


Luminaire budgetary diagram

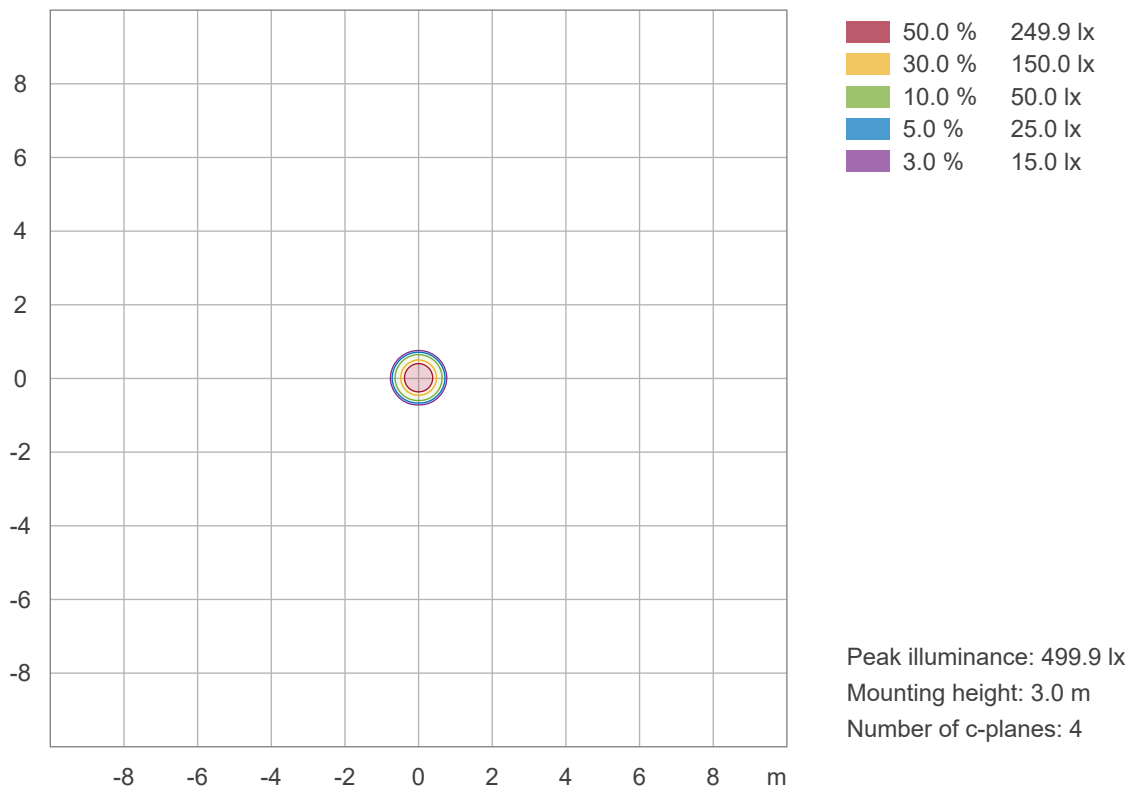
LAMPS (number of lamps)



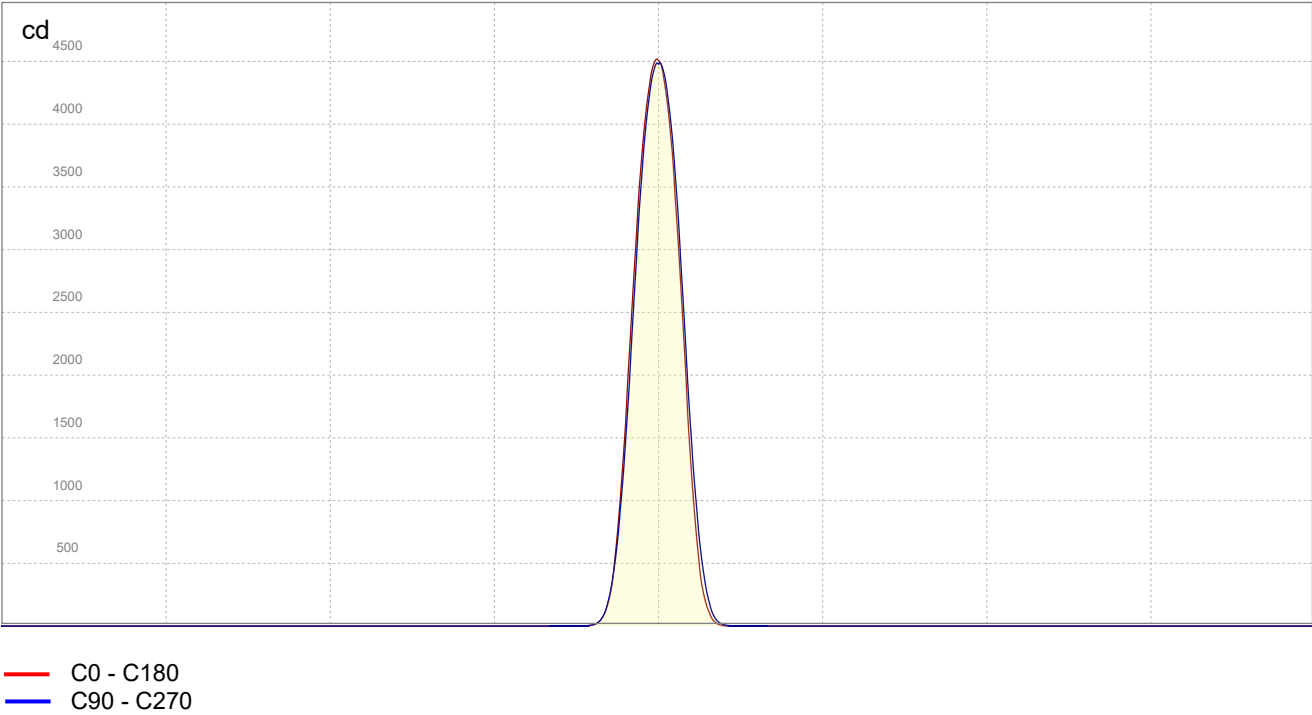
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

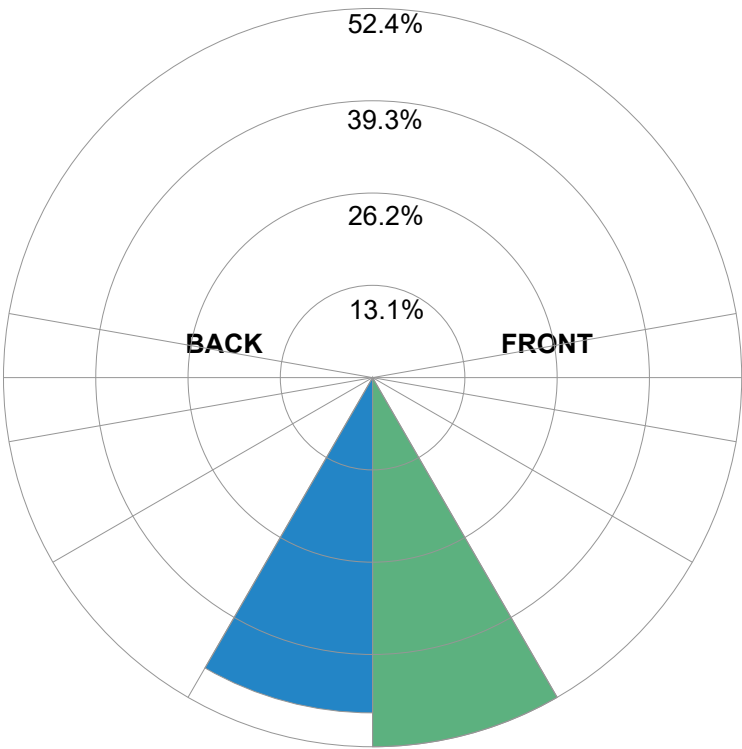


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	153.7	lm	52.4%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	139.6	lm	47.6%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	293	lm	100%
-----	-----	----	------

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
2/9/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
361 – {H_PLANES_DIST}°
15.0 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

SolaBulb_4000K_15_Degrees
SPOT

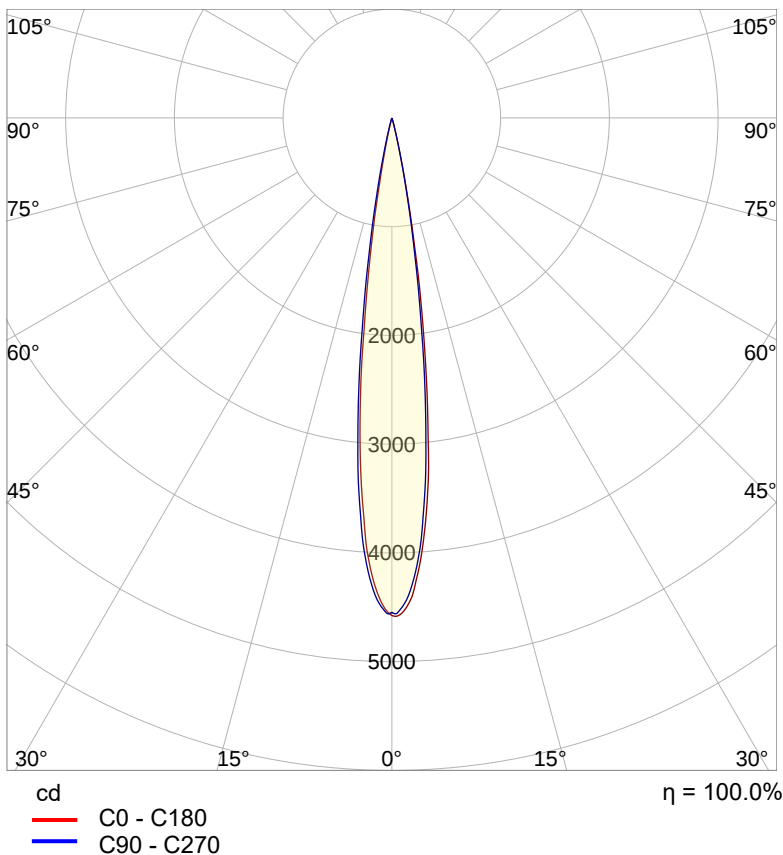
Astera

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

296 lm – 0% / 100%
20 lm/W
4583 cd
4000 K
CRI 0.0

Polar light distribution diagram

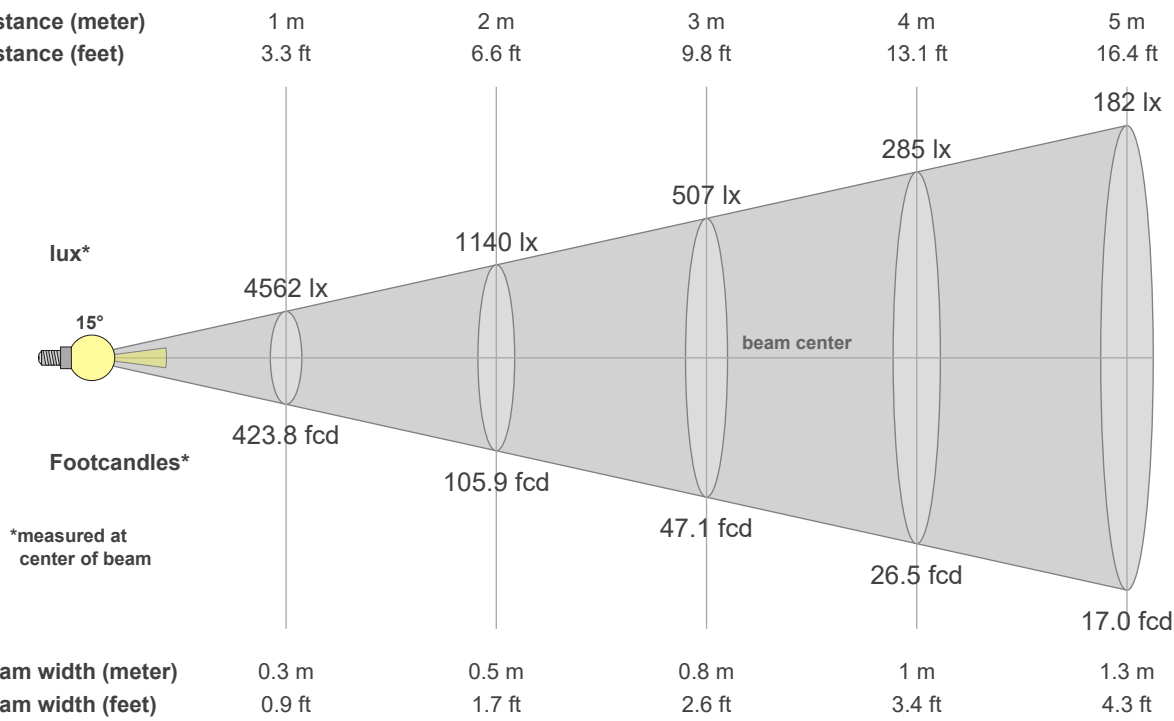


Test report

Light measurement results

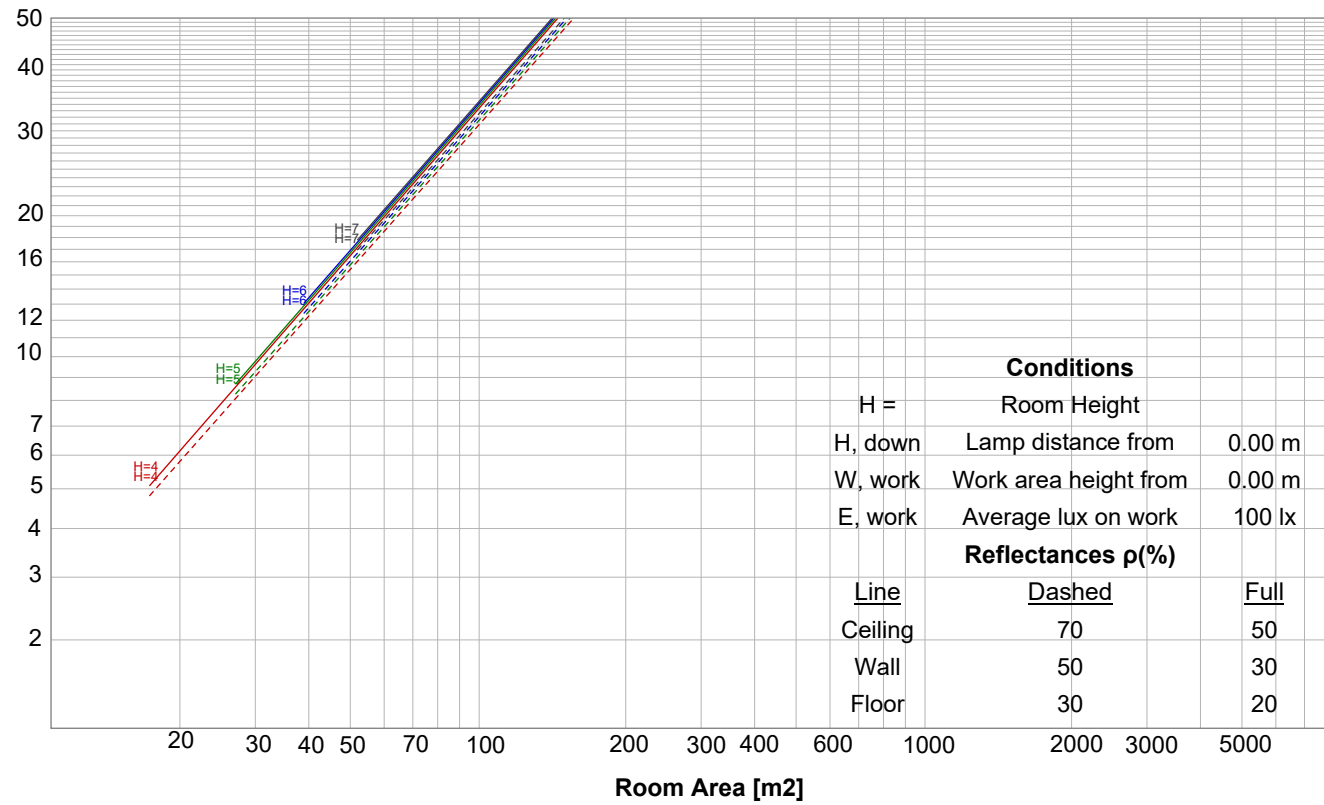
Print date 9/26/2025

Beam details

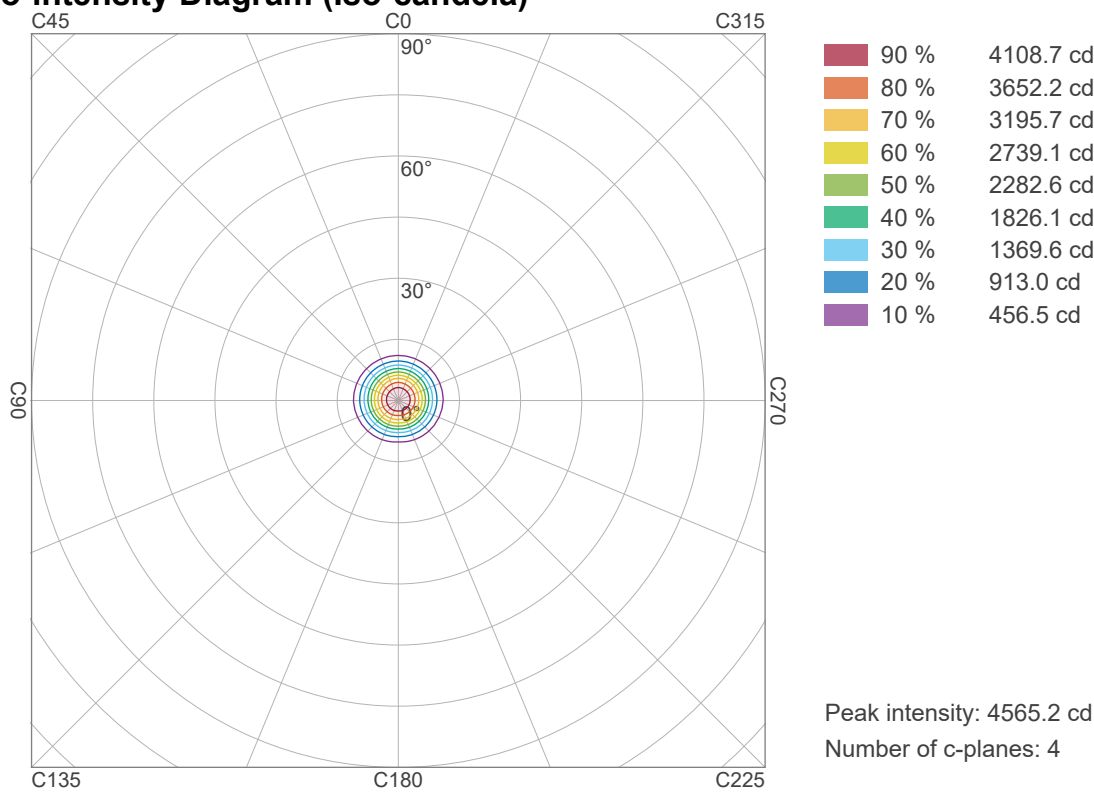


Luminaire budgetary diagram

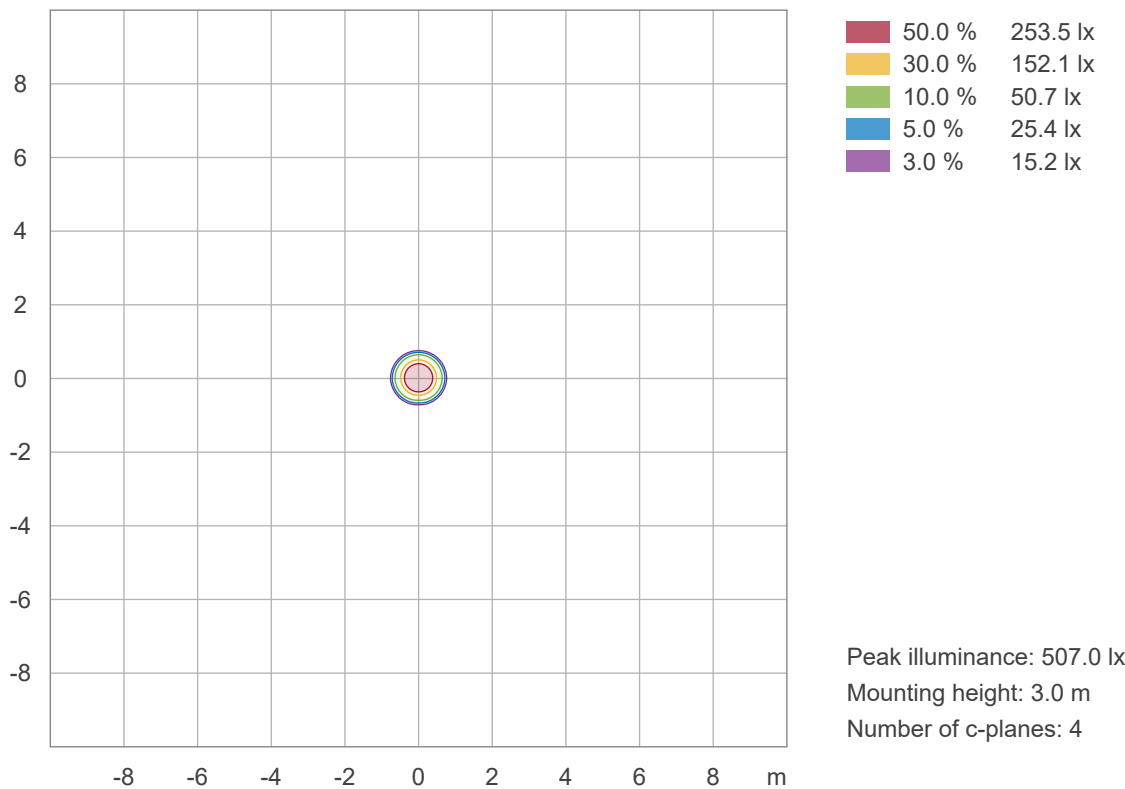
LAMPS (number of lamps)



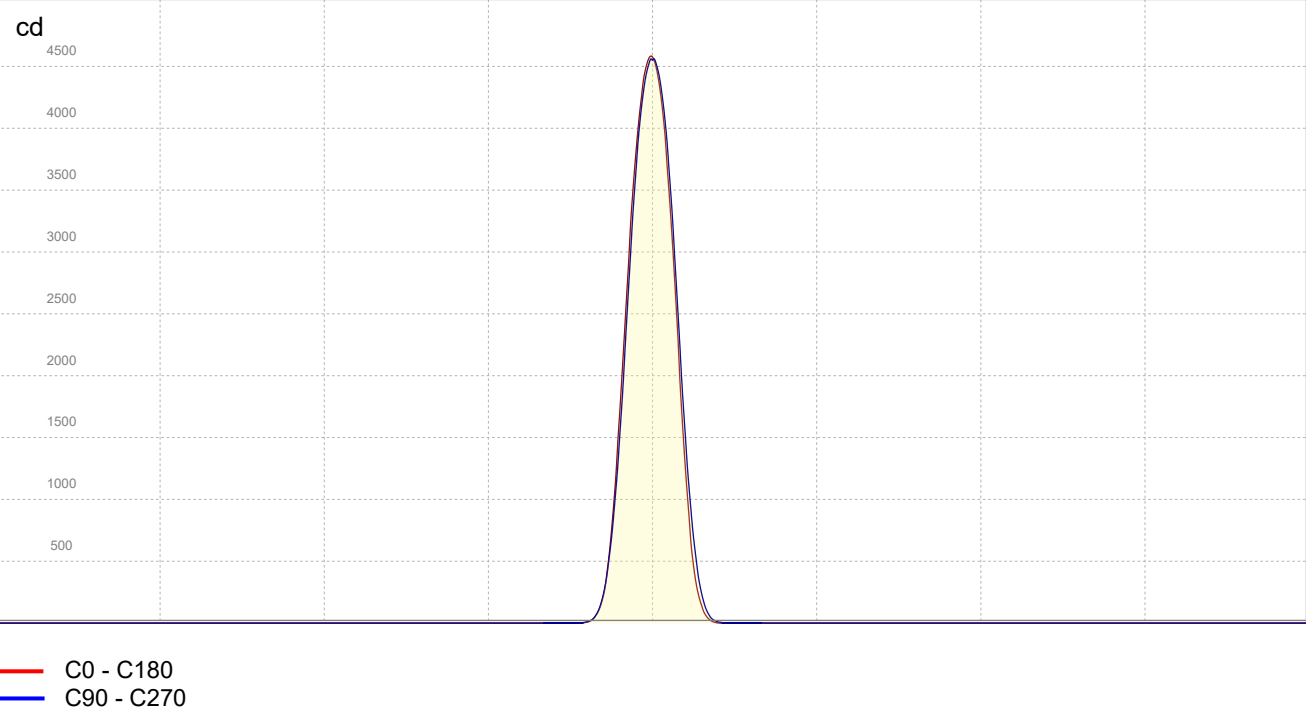
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

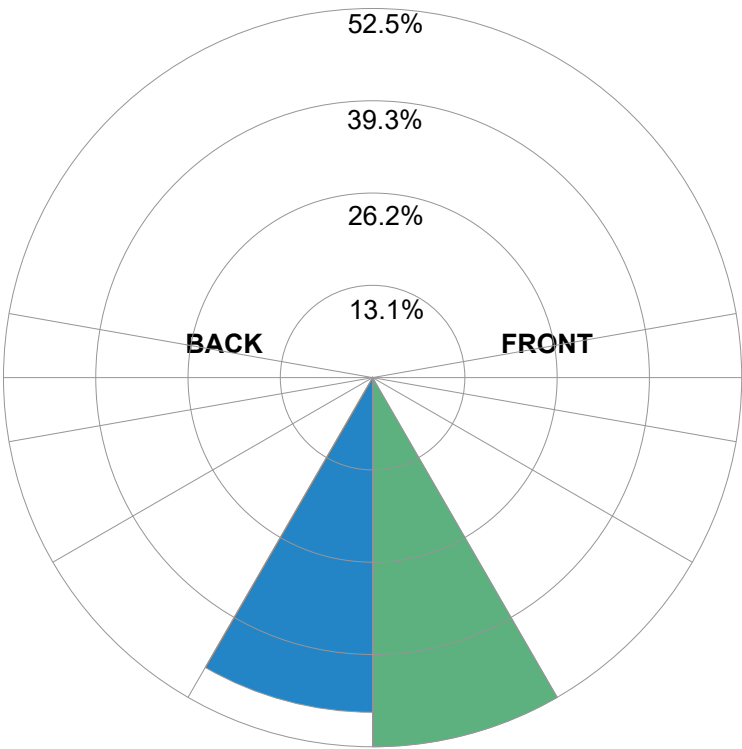


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	155.5	lm	52.5%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	141	lm	47.5%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	296	lm	100%
-----	-----	----	------

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
9/26/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
361 – {H_PLANES_DIST}°
- W

Tested Light Source
Luminaire
Basic Luminous Shape
Item No.
Manufacturer

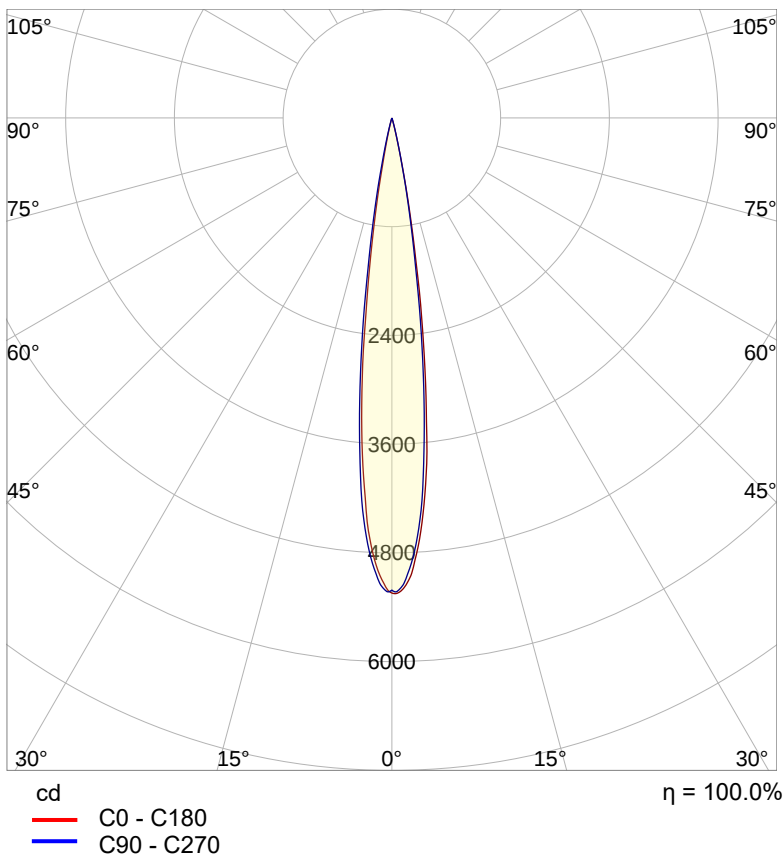
SolaBulb_5500K_15_Degrees
SPOT

Astera

Main Light Measurement Results
Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

338 lm – 0% / 100%
n/a lm/W
5249 cd
5500 K
CRI 0.0

Polar light distribution diagram

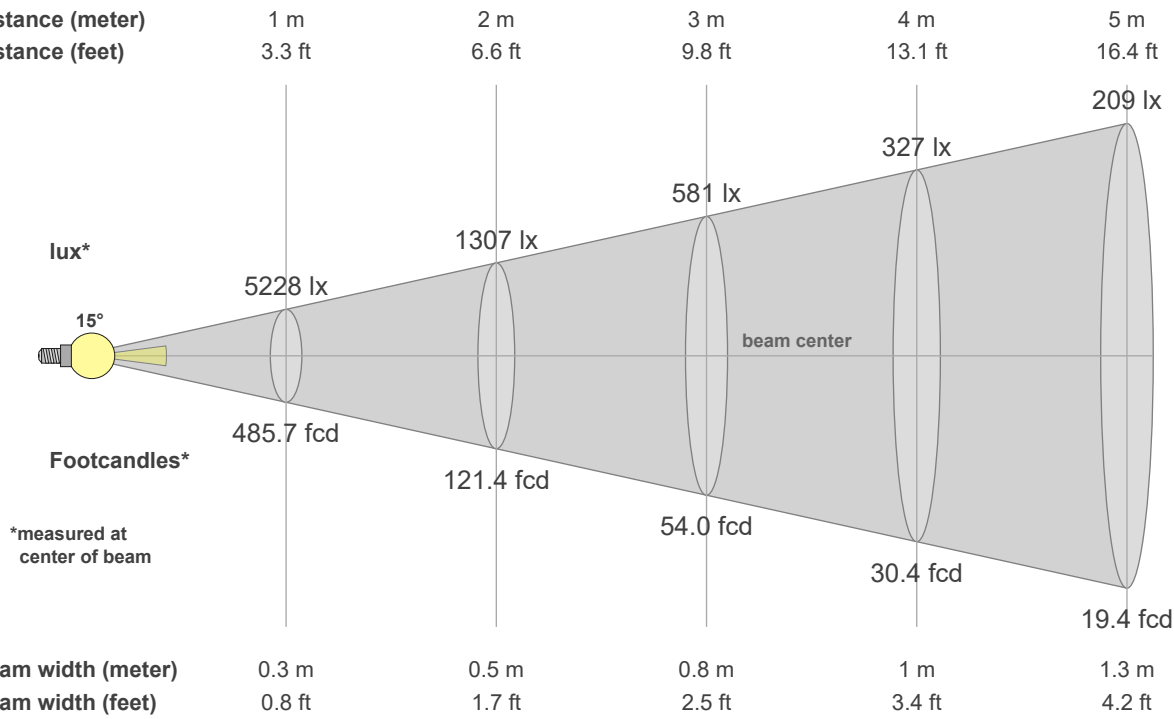


Test report

Light measurement results

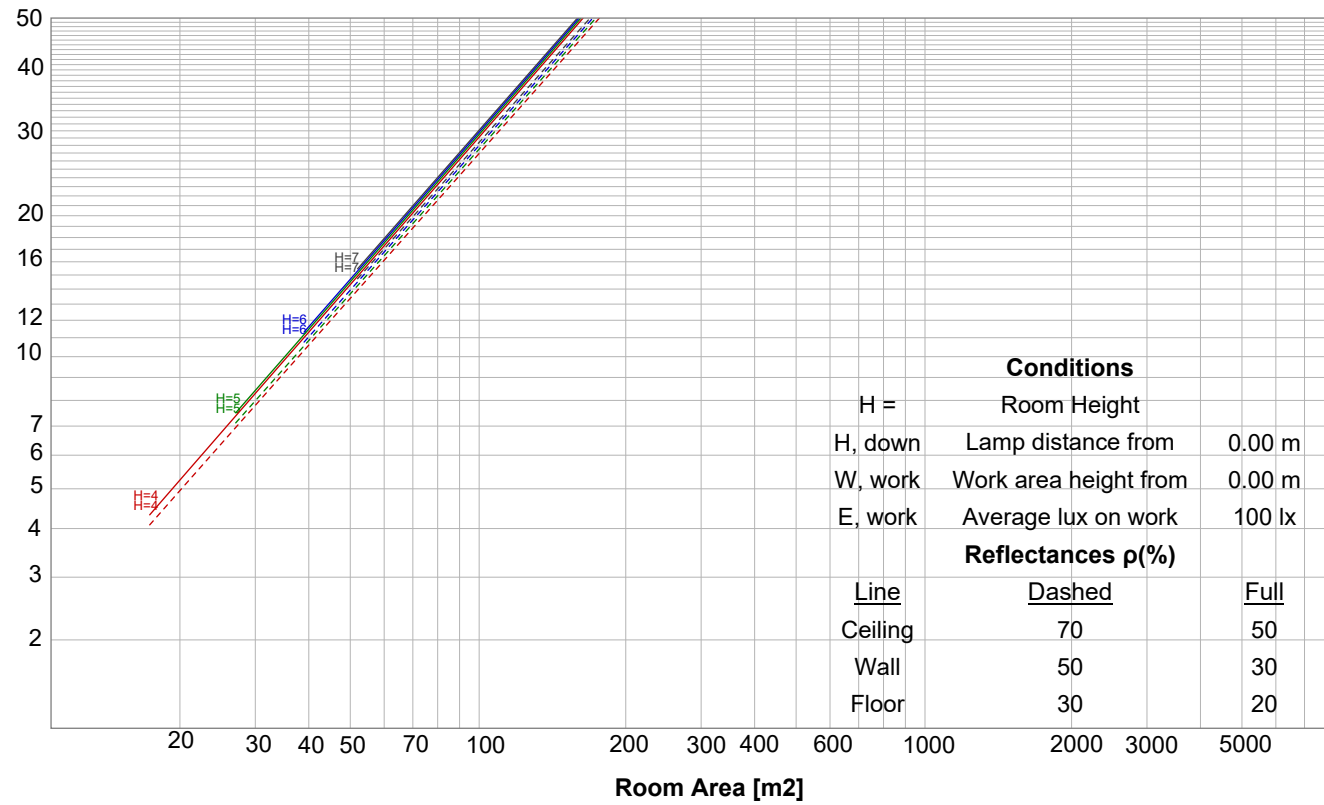
Print date 9/26/2025

Beam details

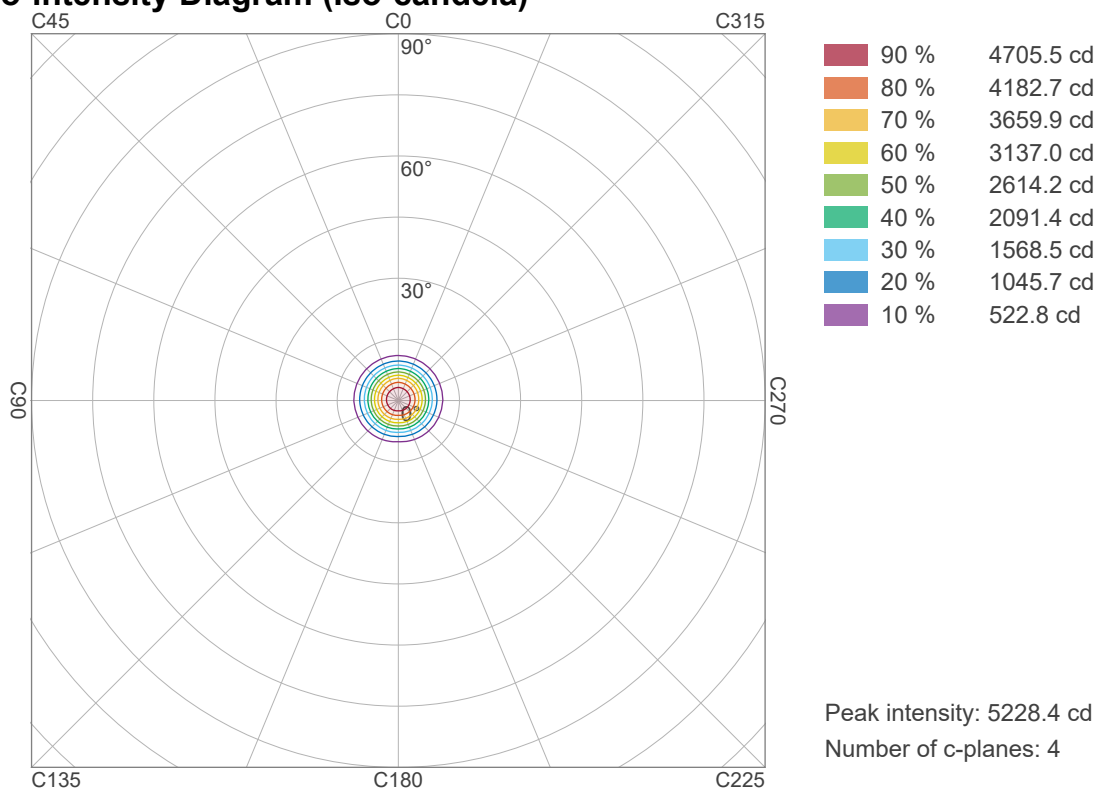


Luminaire budgetary diagram

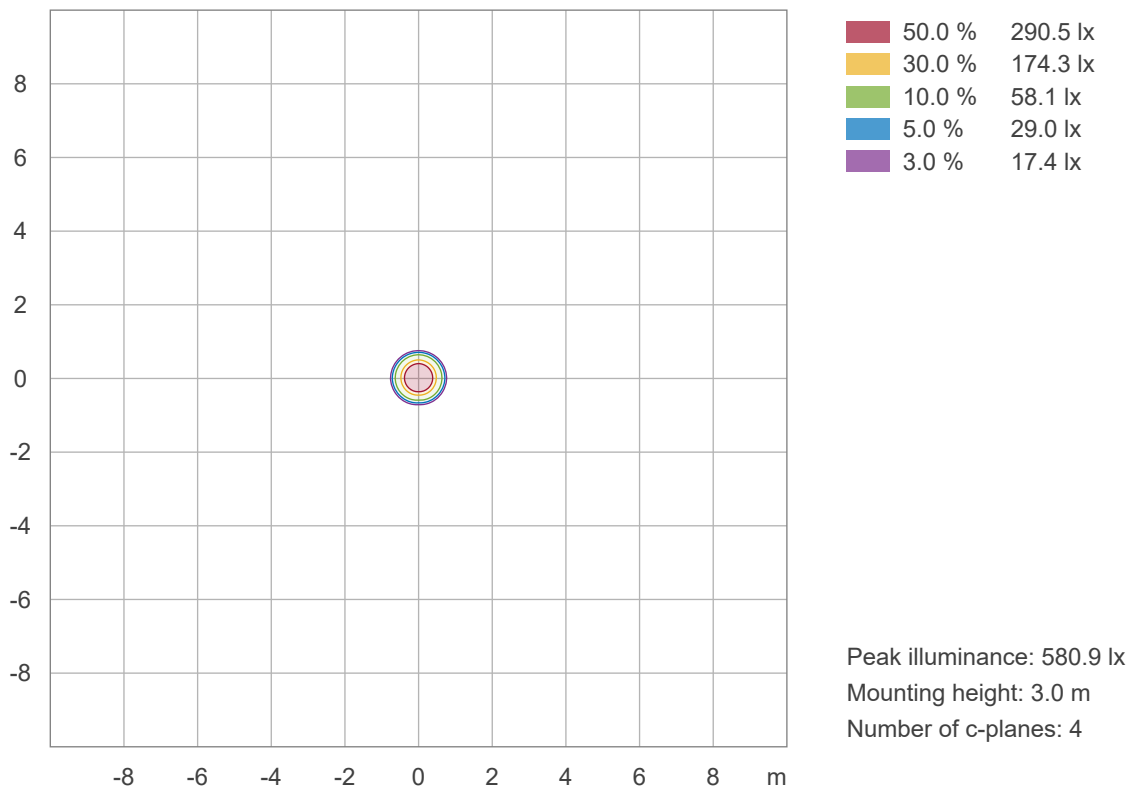
LAMPS (number of lamps)



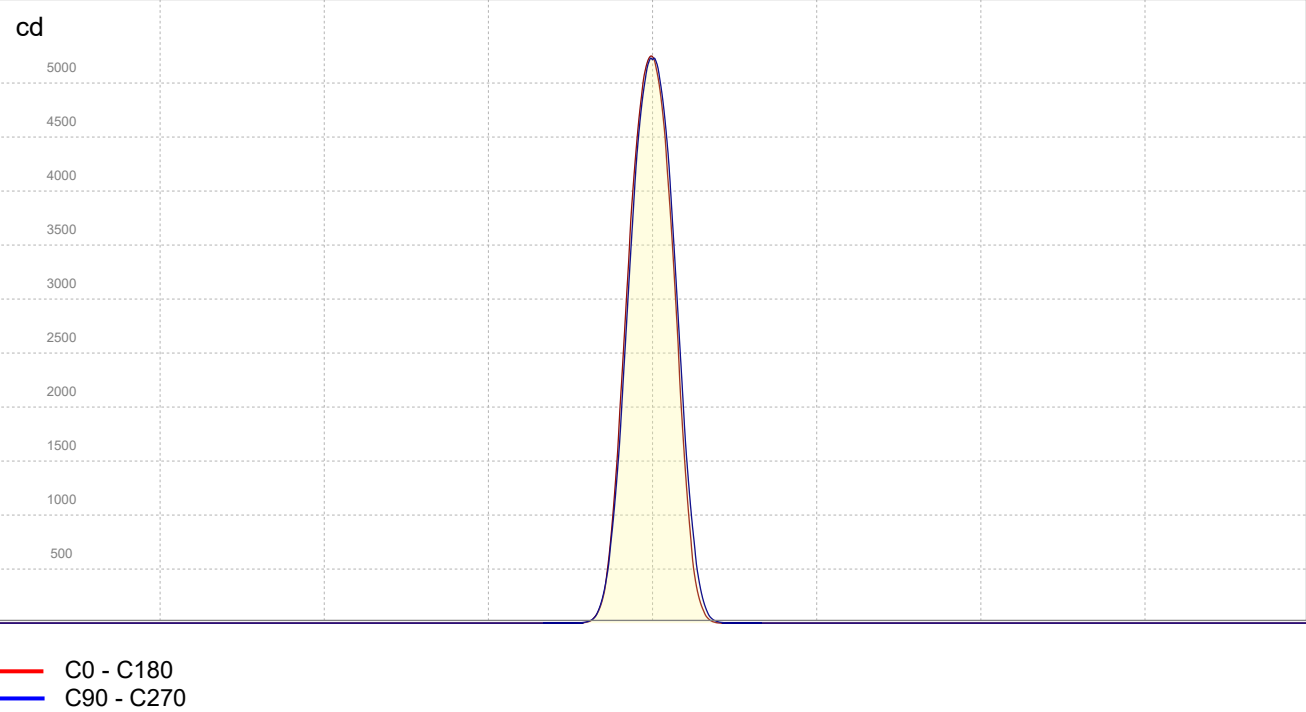
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

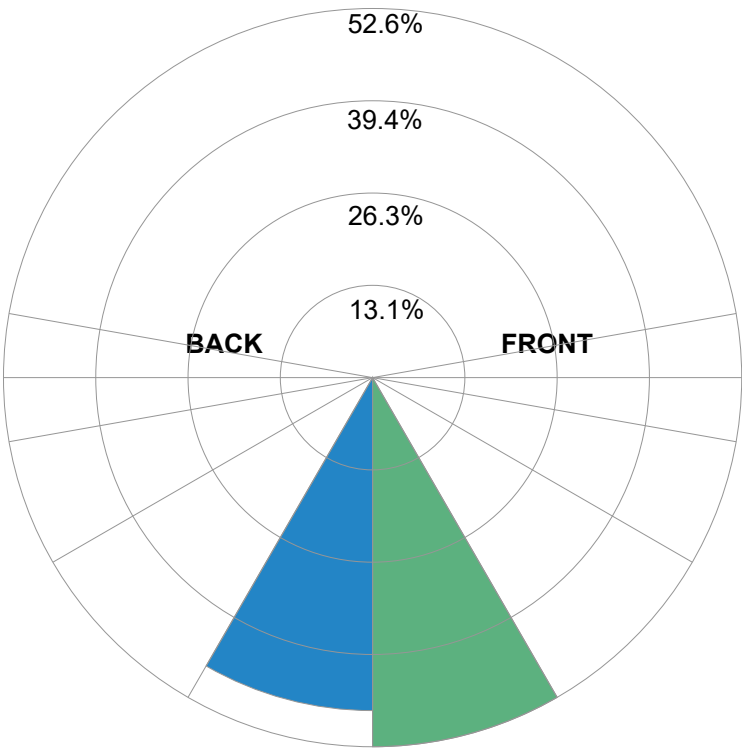


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	177.9	lm	52.6%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	160.4	lm	47.4%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	338	lm	100%
-----	-----	----	------

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
2/9/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
361 – {H_PLANES_DIST}°
12.0 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

SolaBulb_6500K_15_Degrees
SPOT

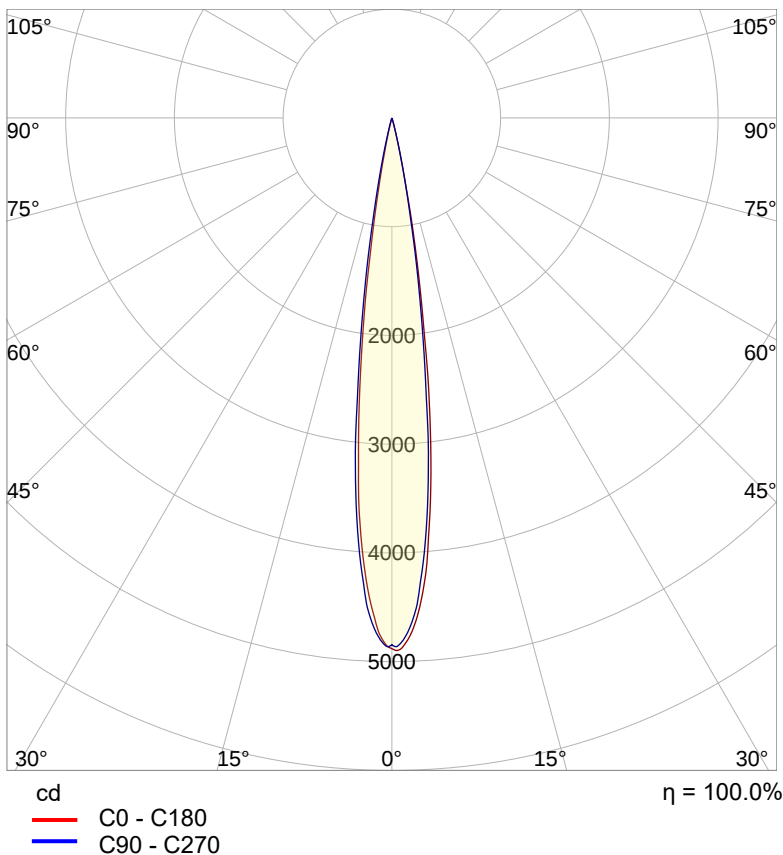
Astera

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

314 lm – 0% / 100%
26 lm/W
4898 cd
6500 K
CRI 0.0

Polar light distribution diagram

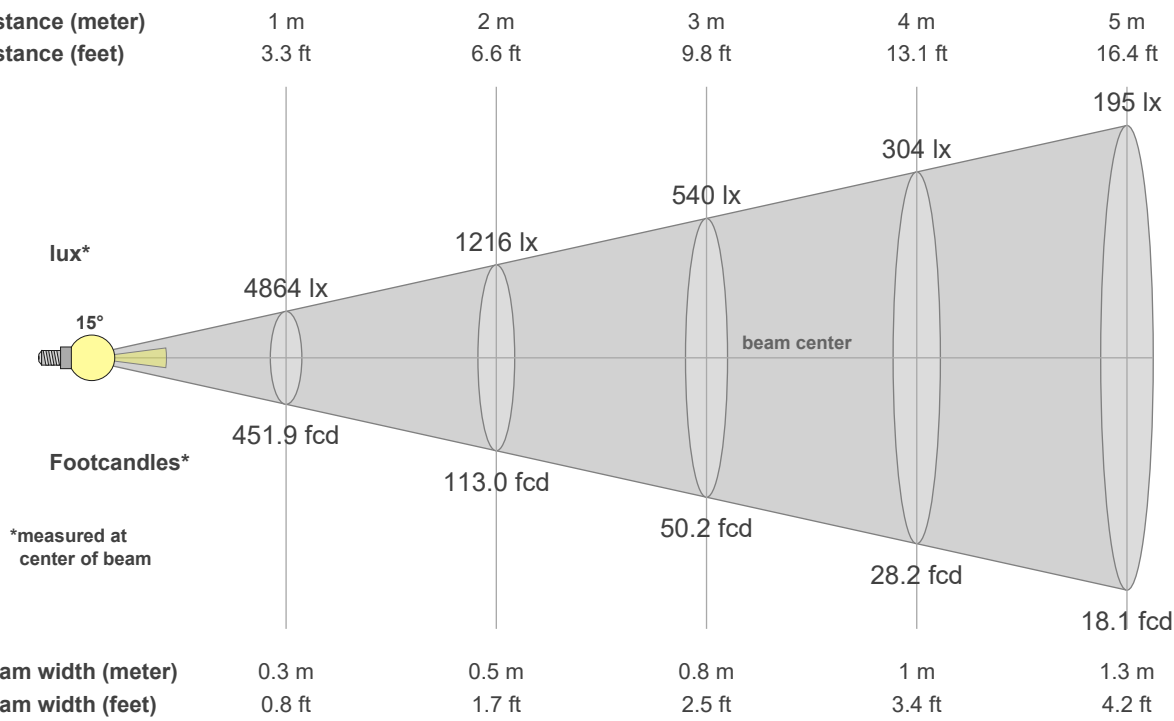


Test report

Light measurement results

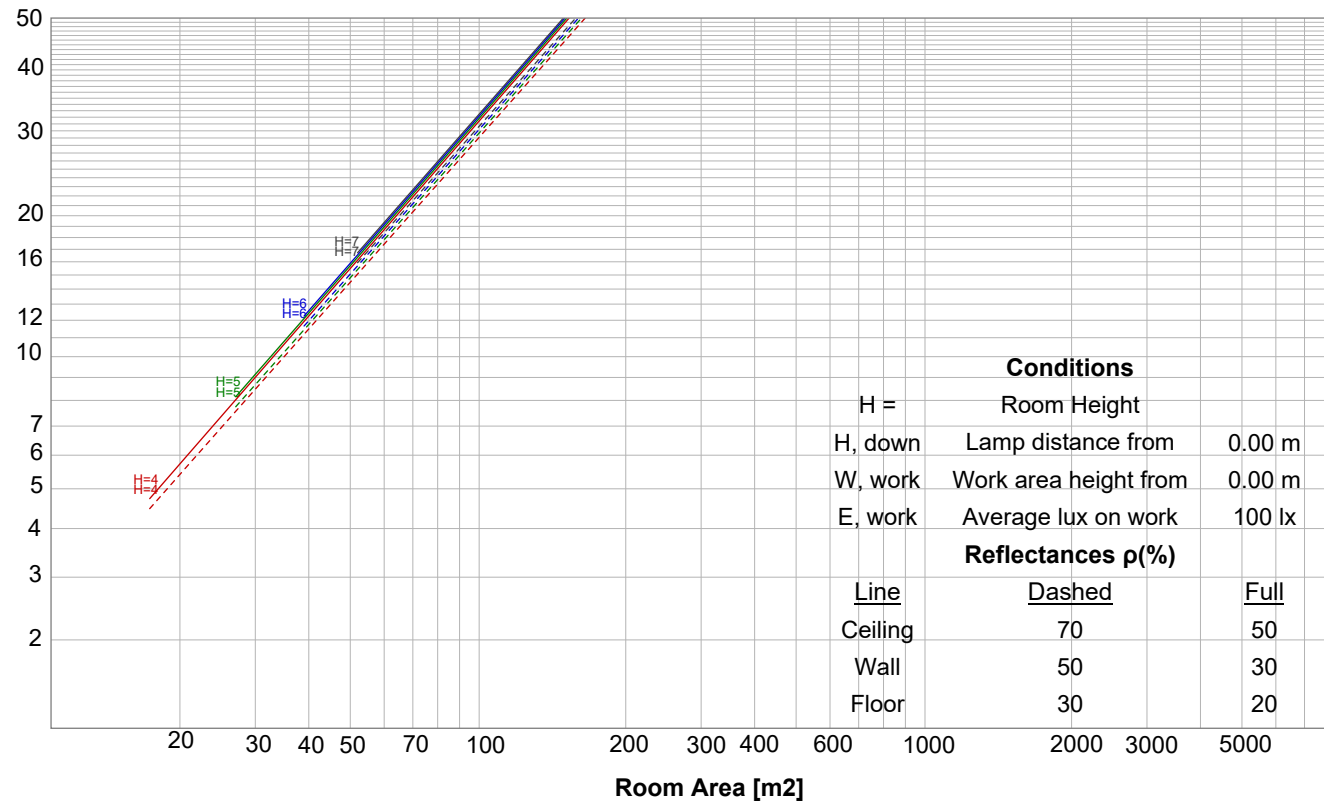
Print date 9/26/2025

Beam details

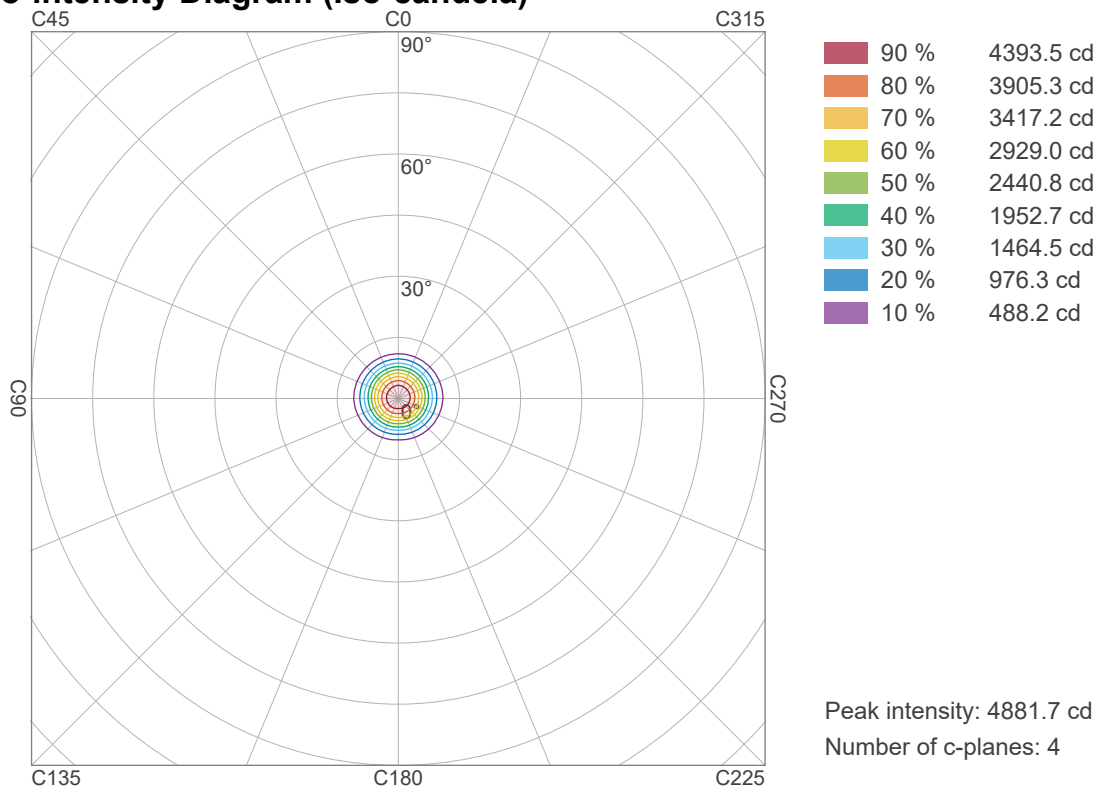


Luminaire budgetary diagram

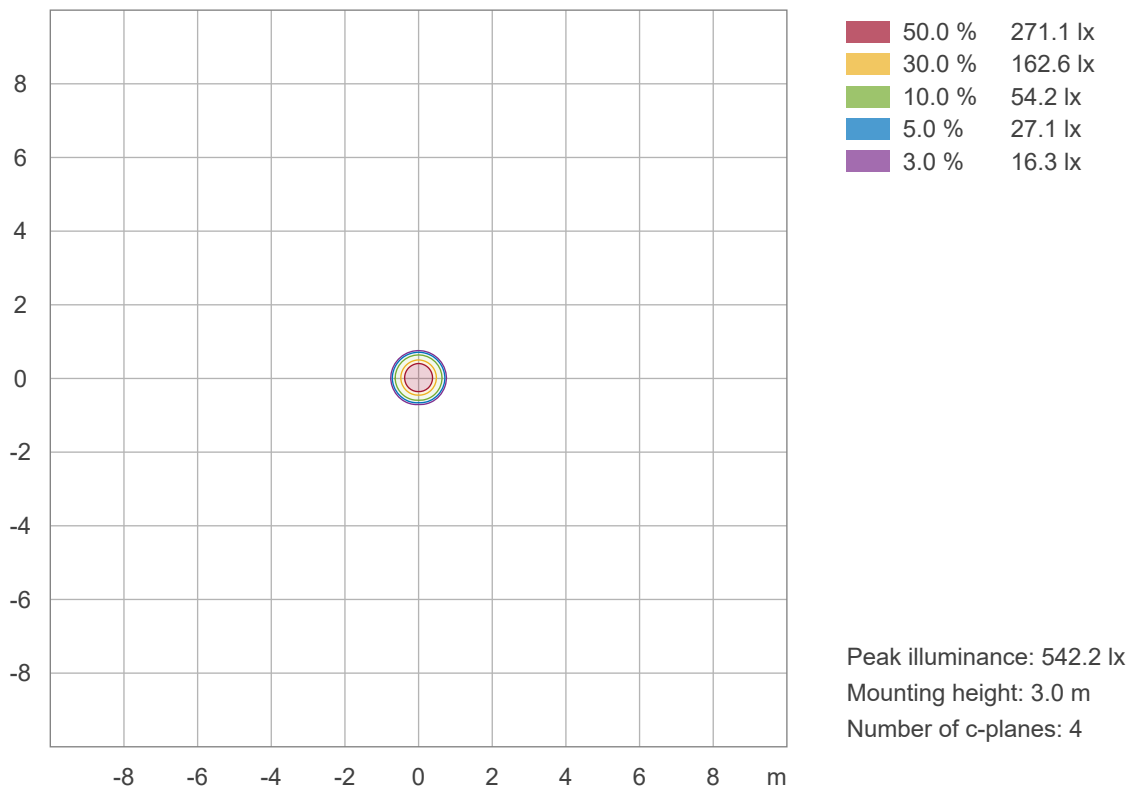
LAMPS (number of lamps)



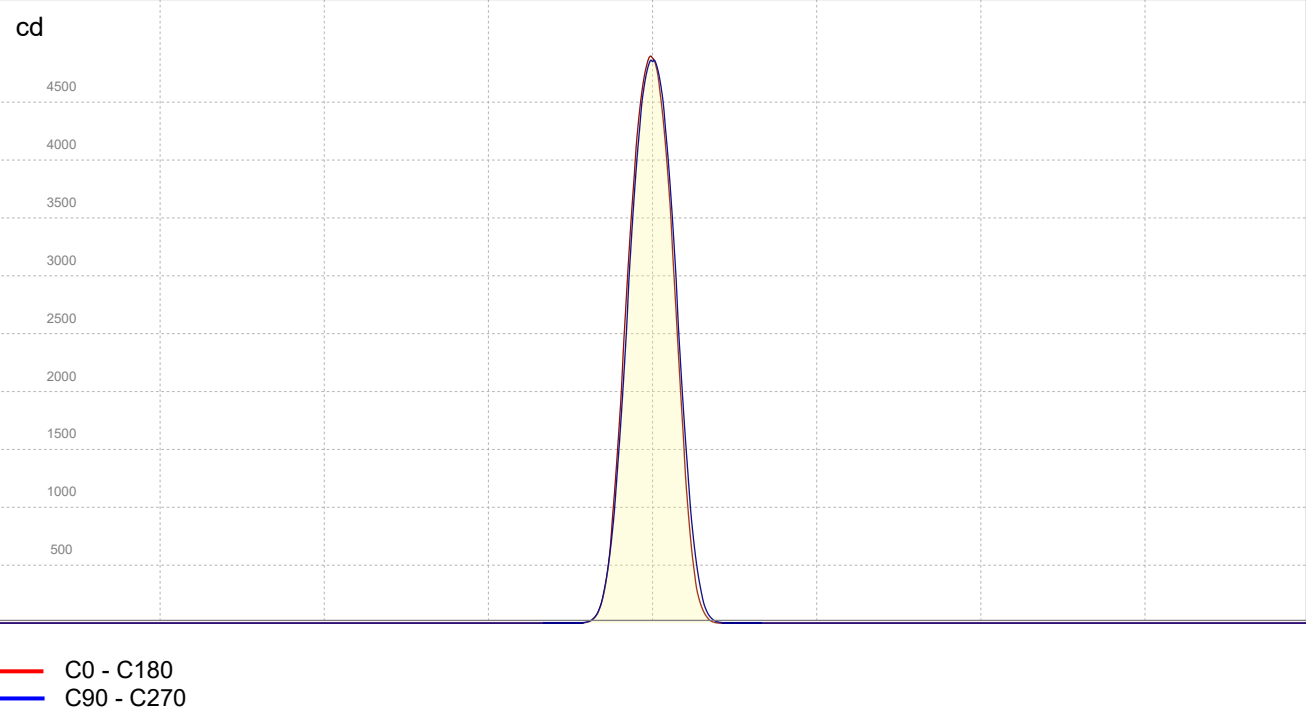
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

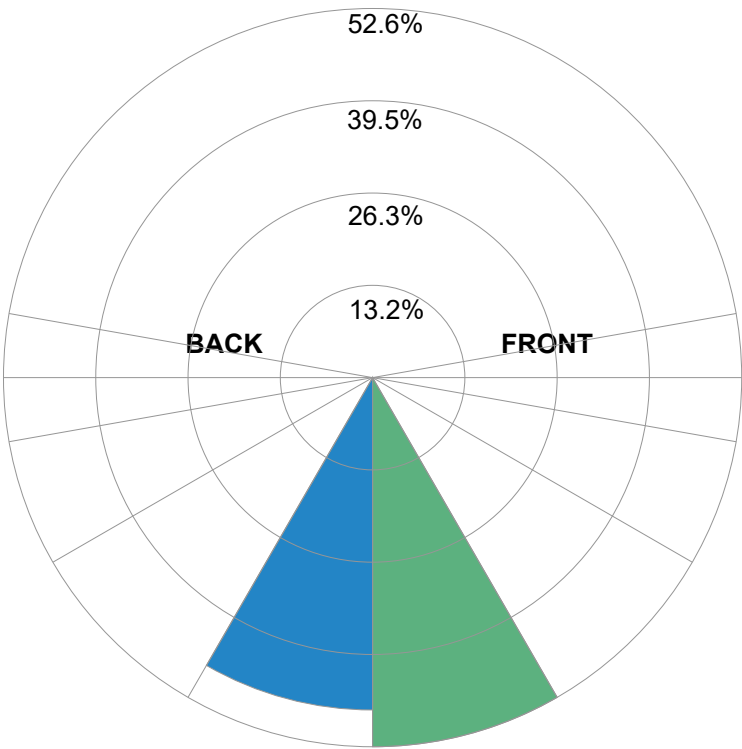


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	165.4	lm	52.6%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	148.9	lm	47.4%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	314	lm	100%
-----	-----	----	------

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
2/9/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
361 – {H_PLANES_DIST}°
15.0 W

Tested Light Source
Luminaire
Basic Luminous Shape
Item No.
Manufacturer

SolaBulb_2700K_30_Degrees
SPOT

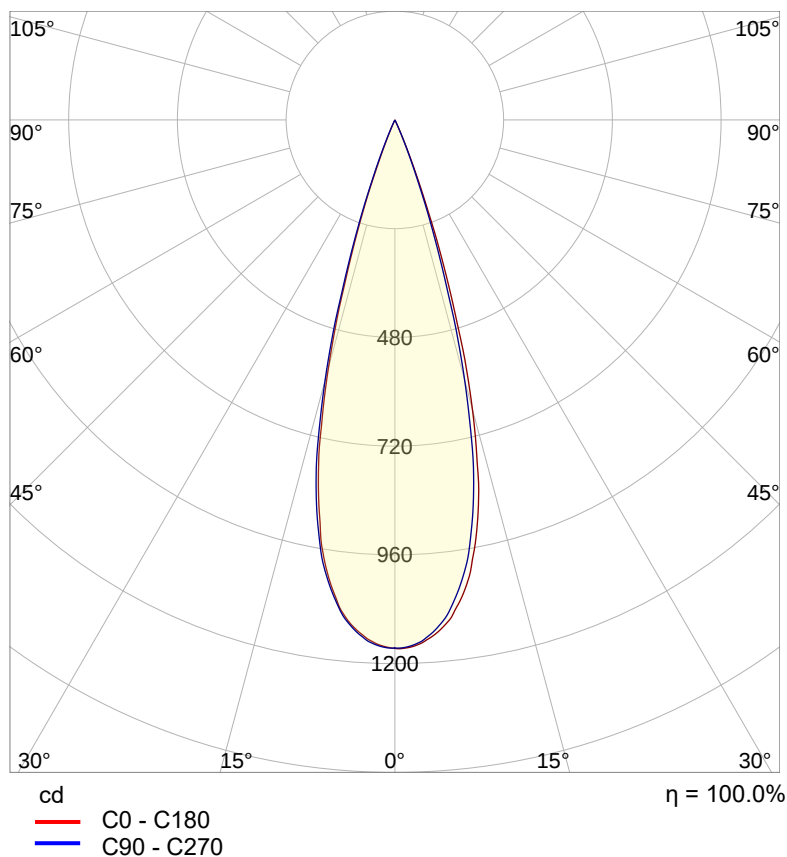
Astera

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

272 lm – 0% / 100%
18 lm/W
1167 cd
2700 K
CRI 0.0

Polar light distribution diagram

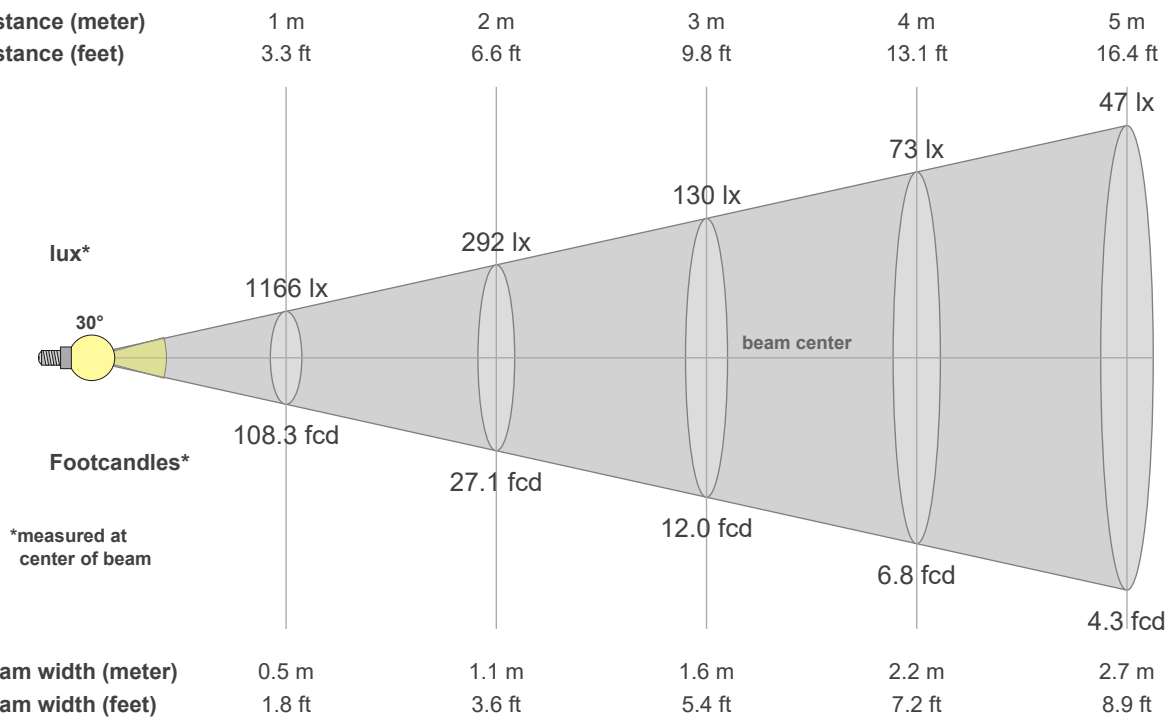


Test report

Light measurement results

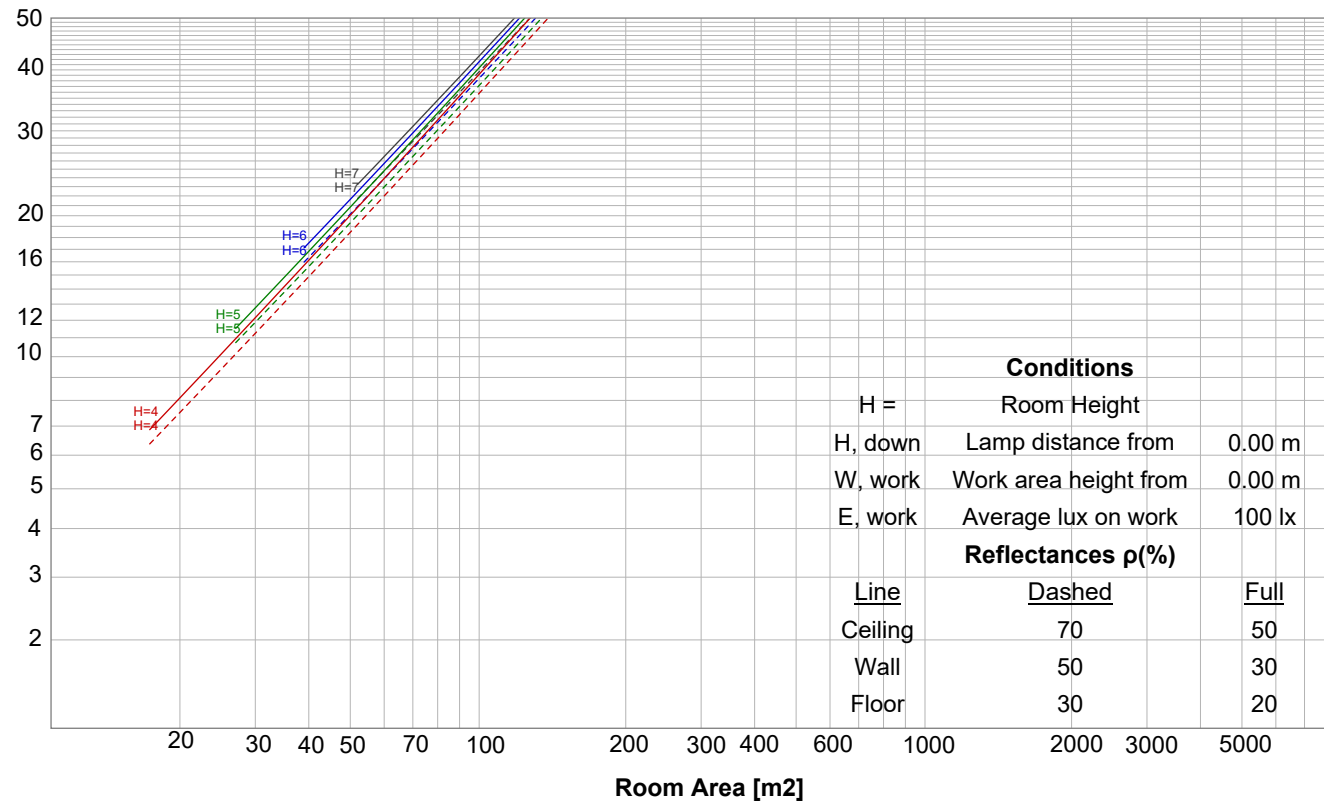
Print date 9/26/2025

Beam details

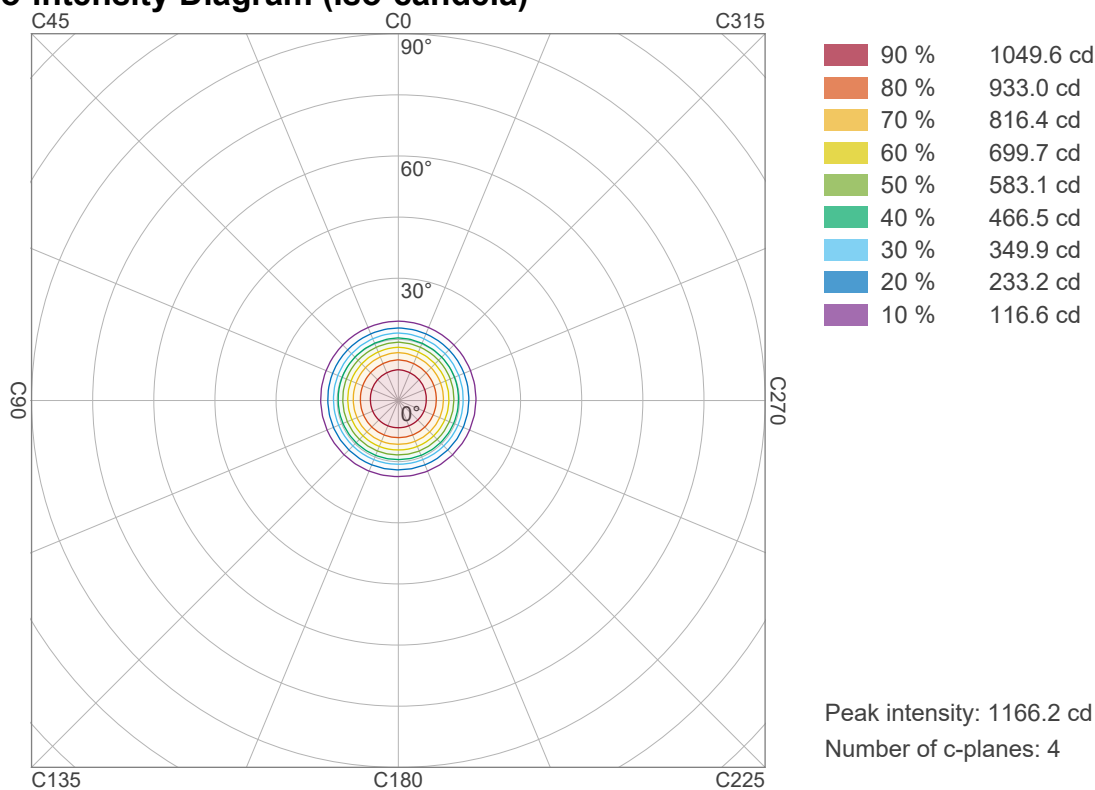


Luminaire budgetary diagram

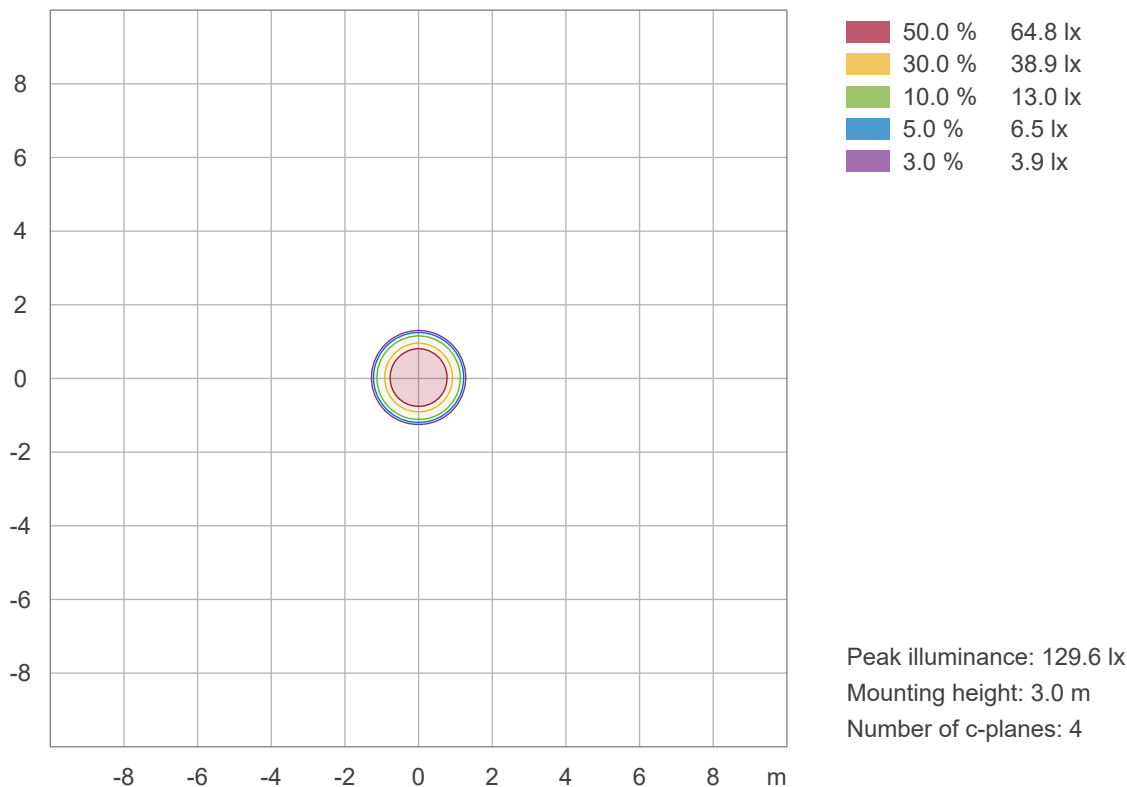
LAMPS (number of lamps)



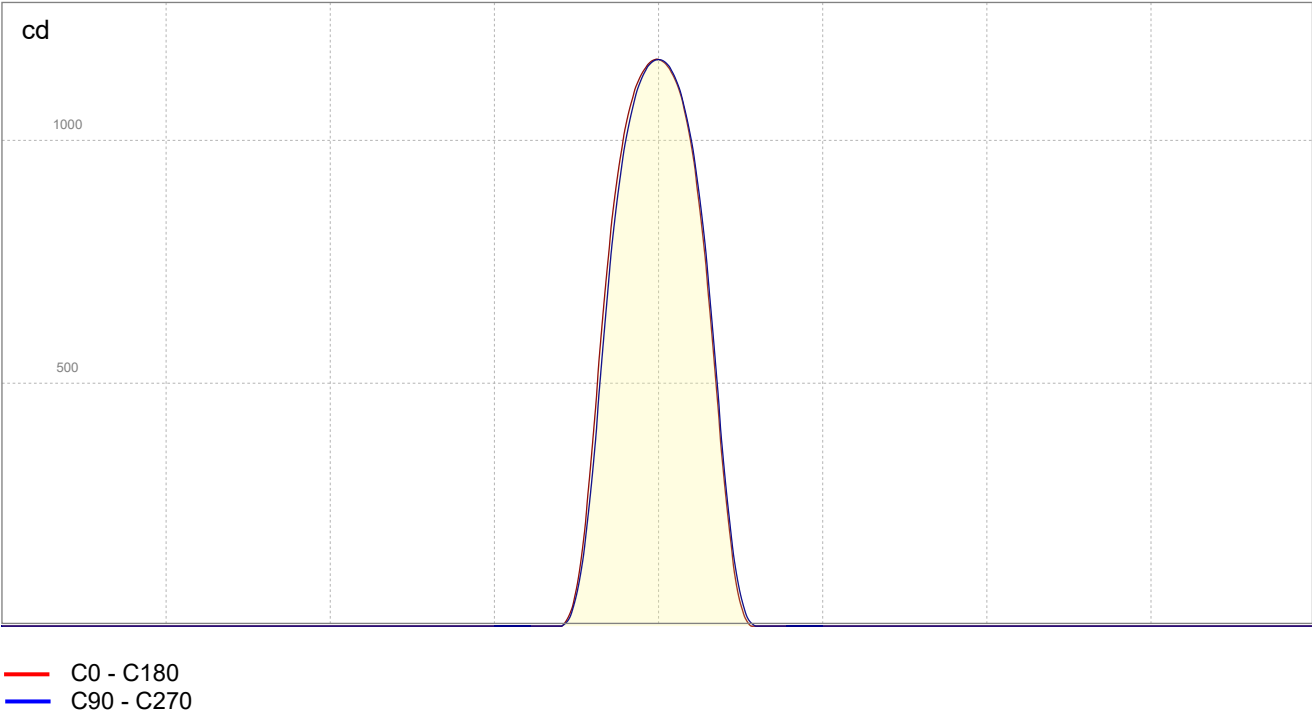
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

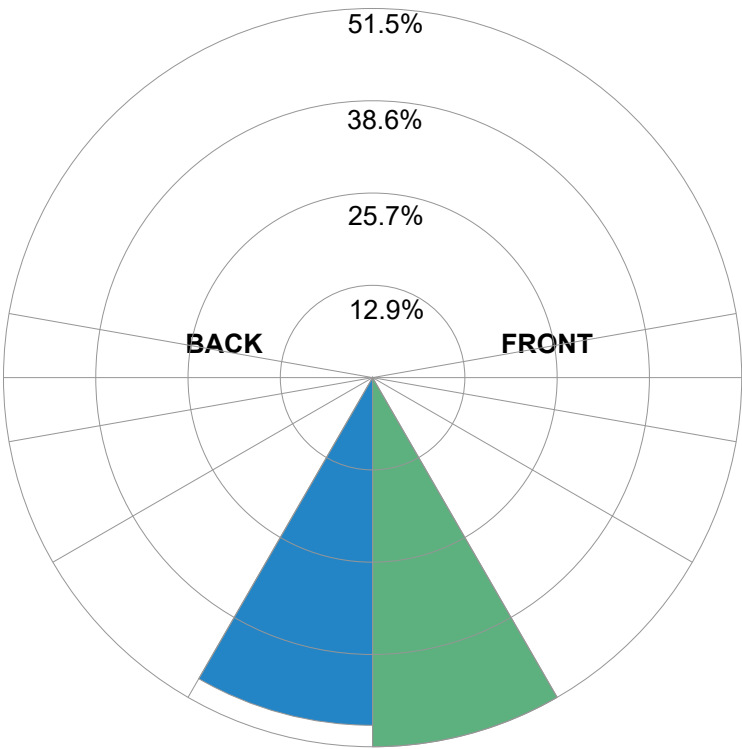


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	140	lm	51.5%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	131.9	lm	48.5%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	272	lm	100%
-----	-----	----	------

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab

n/a - serial: n/a sensor serial: n/a

Spectrometer Manufacturer and Model

n/a, n/a – n/a

Measurement date

2/9/2025

Measurement Conditions

Tested c-planes

5 – distance {C_PLANES_DIST}°

Tested gamma angles

361 – {H_PLANES_DIST}°

Input Power

14.0 W

Tested Light Source

Luminaire

SolaBulb_3200K_30_Degrees

Basic Luminous Shape

SPOT

Item No.

Manufacturer

Astera

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)

333 lm – 0% / 100%

Efficiency

24 lm/W

Peak Intensity

1429 cd

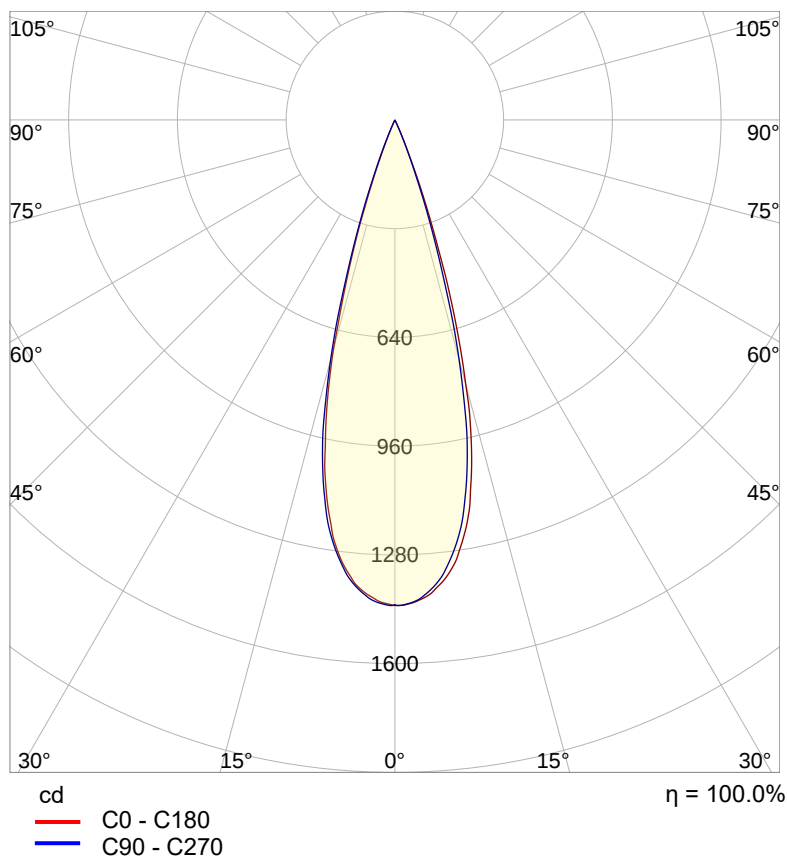
Correlated Color Temperature, CCT

3200 K

Color Rendering Index

CRI 0.0

Polar light distribution diagram

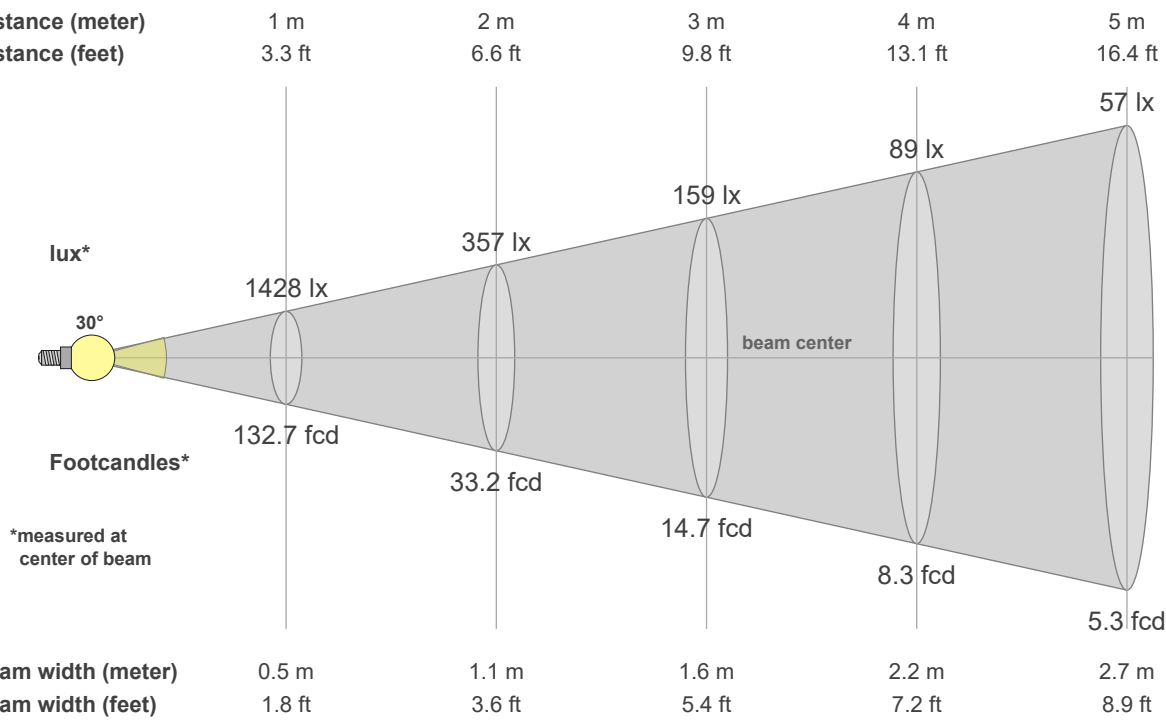


Test report

Light measurement results

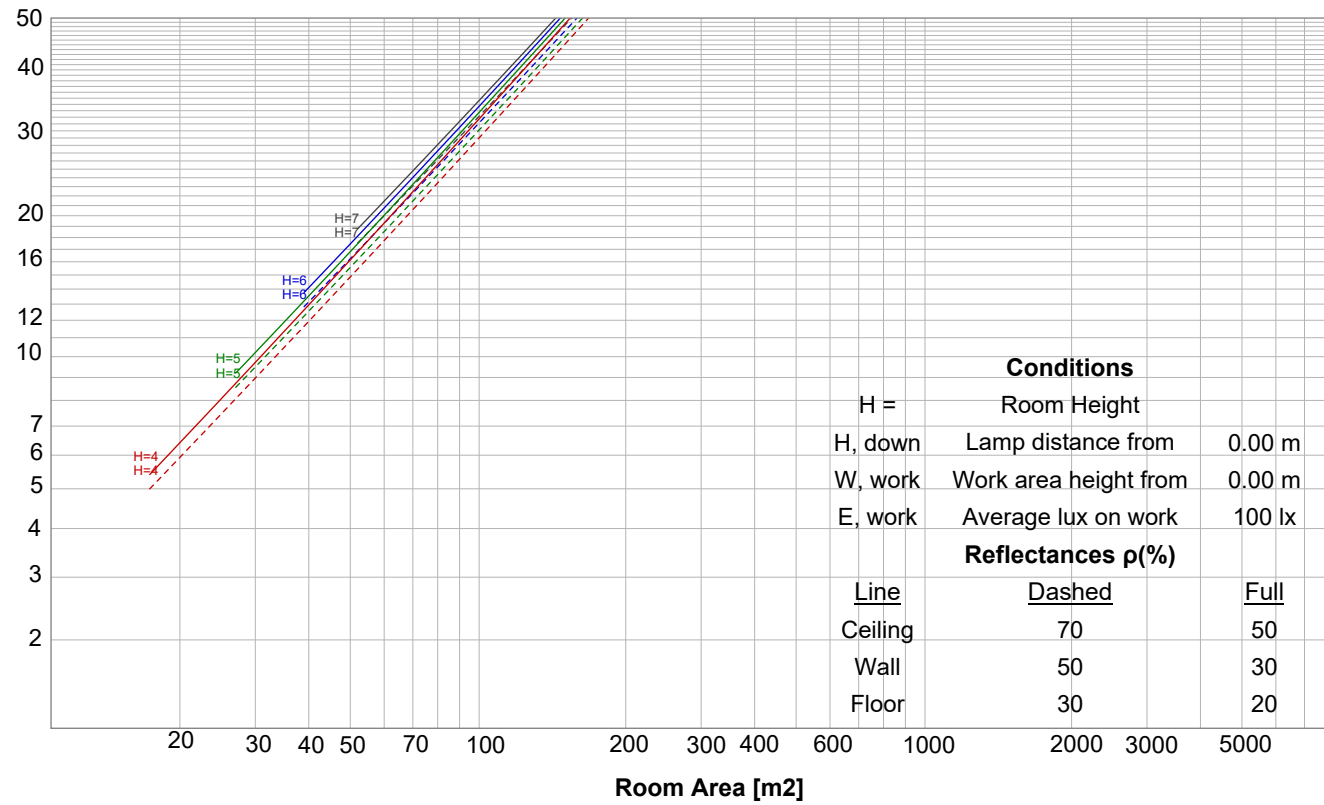
Print date 9/26/2025

Beam details

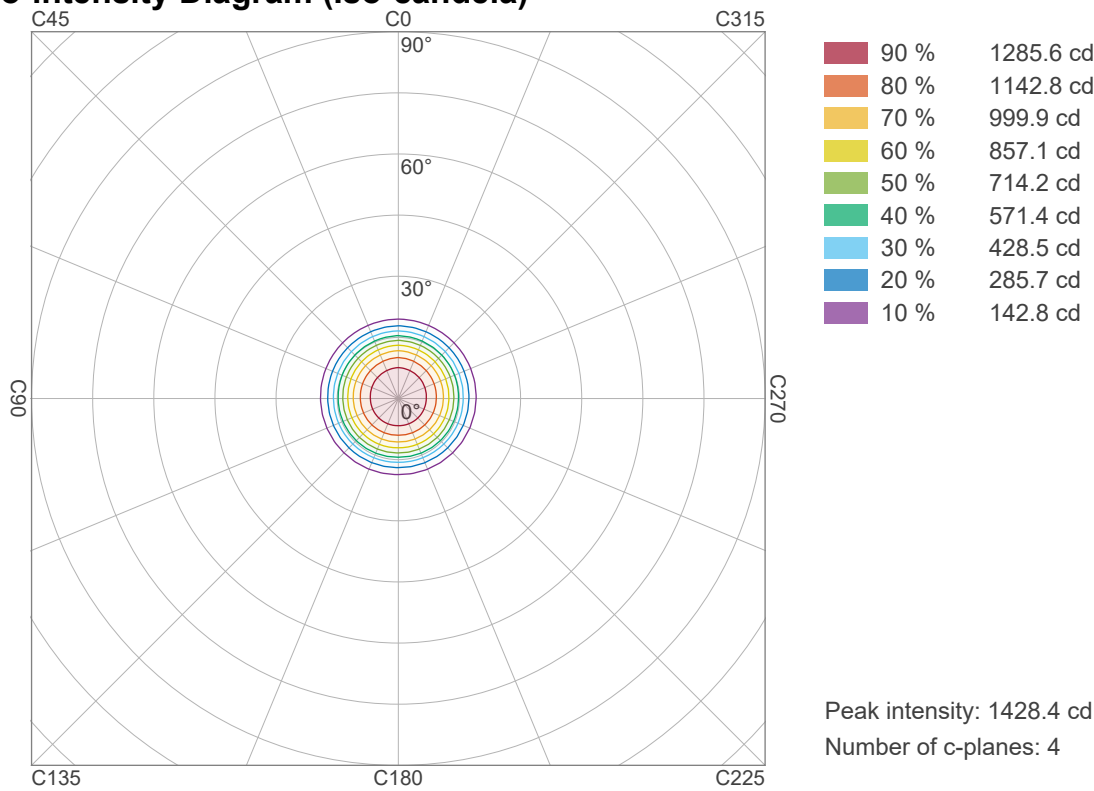


Luminaire budgetary diagram

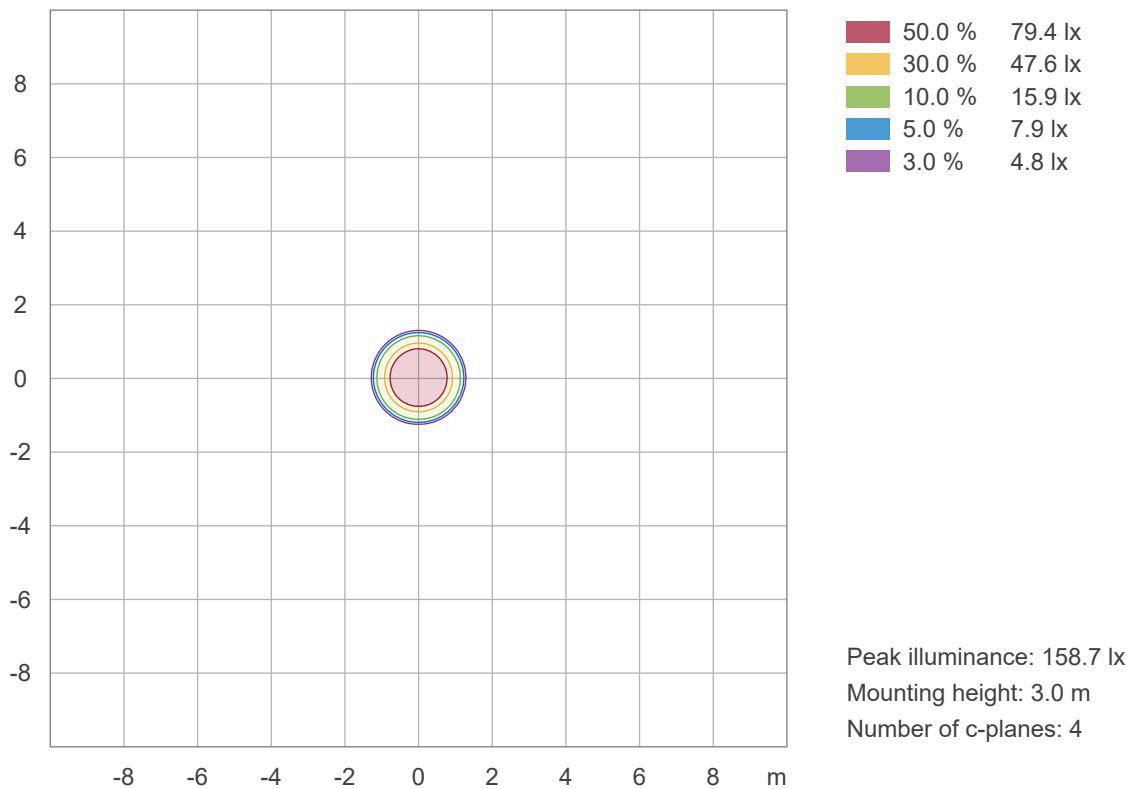
LAMPS (number of lamps)



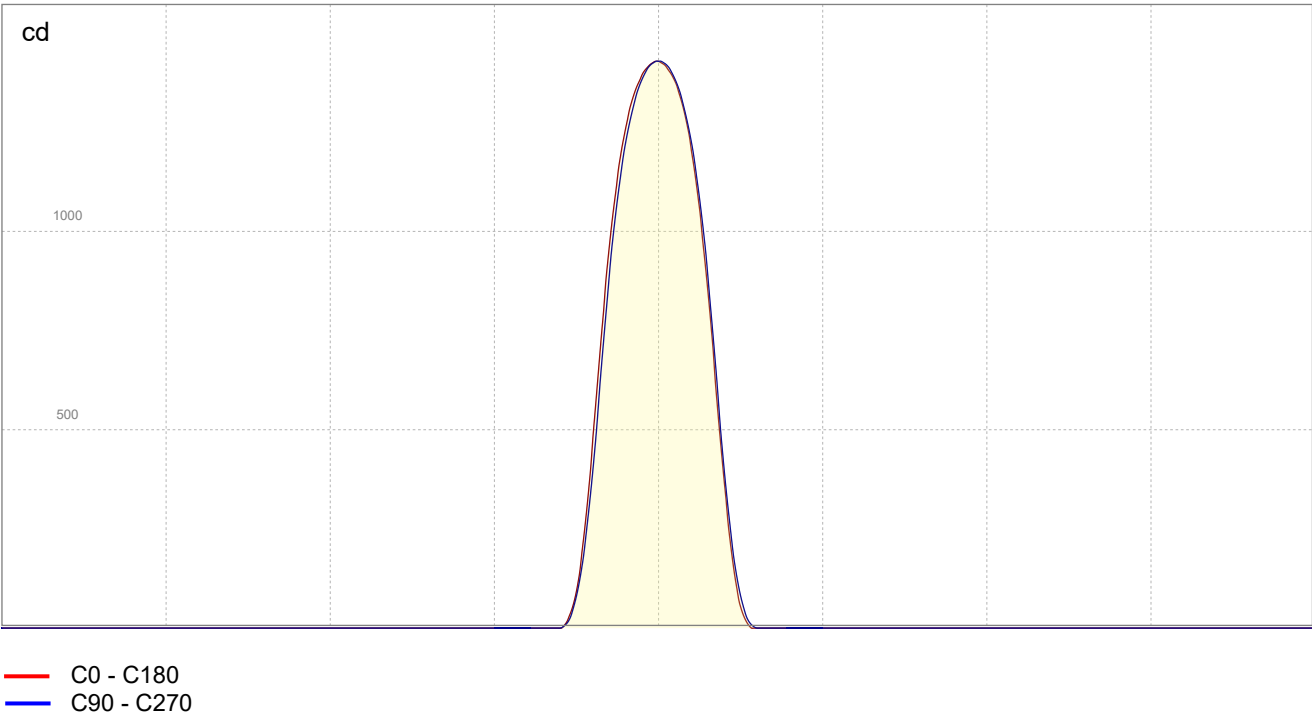
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

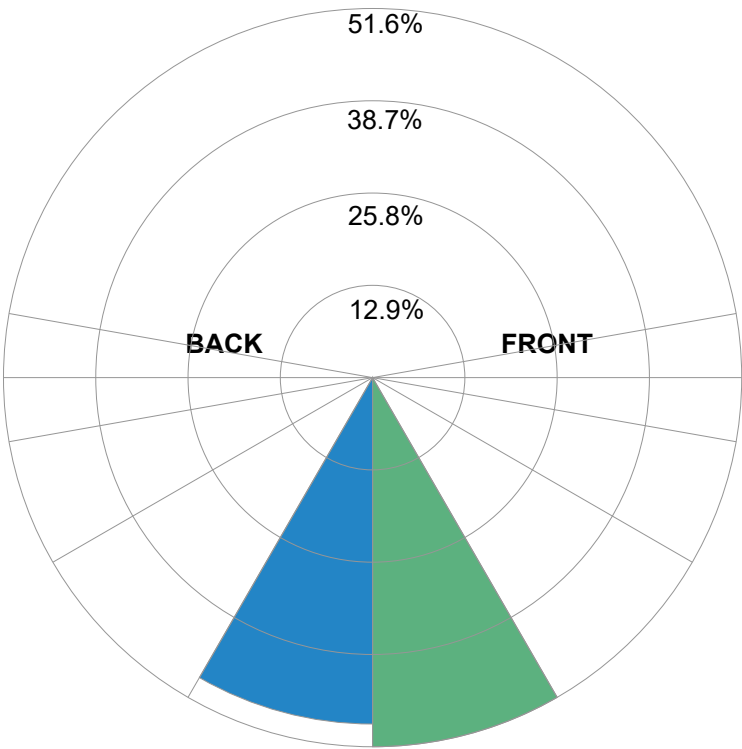


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	172	lm	51.6%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	161.4	lm	48.4%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	333	lm	100%
-----	-----	----	------

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
2/9/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
361 – {H_PLANES_DIST}°
15.0 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

SolaBulb_4000K_30_Degrees
SPOT

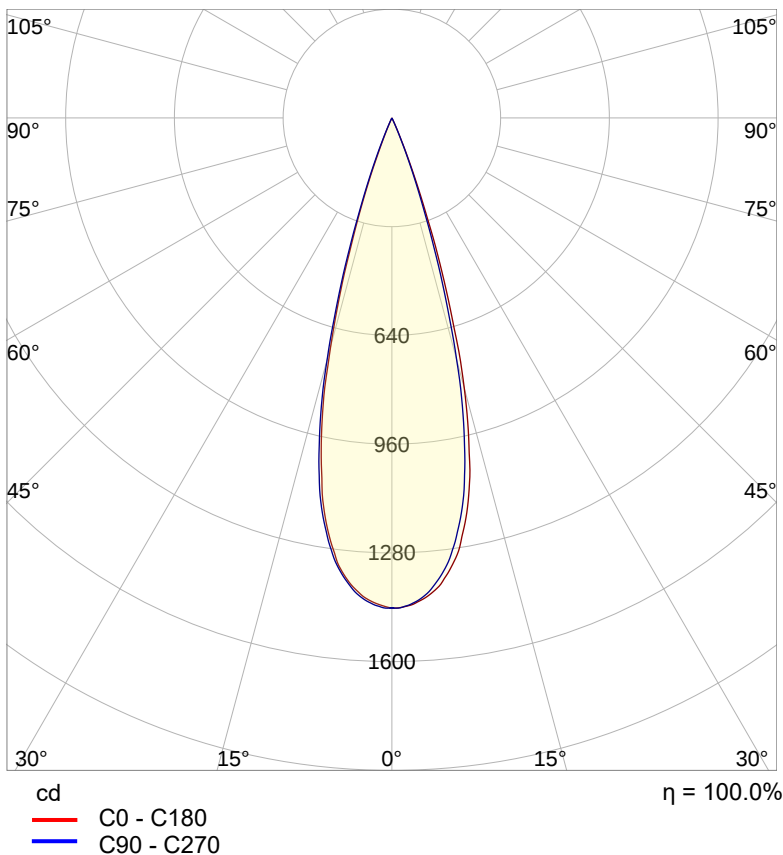
Astera

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

336 lm – 0% / 100%
22 lm/W
1443 cd
4000 K
CRI 0.0

Polar light distribution diagram

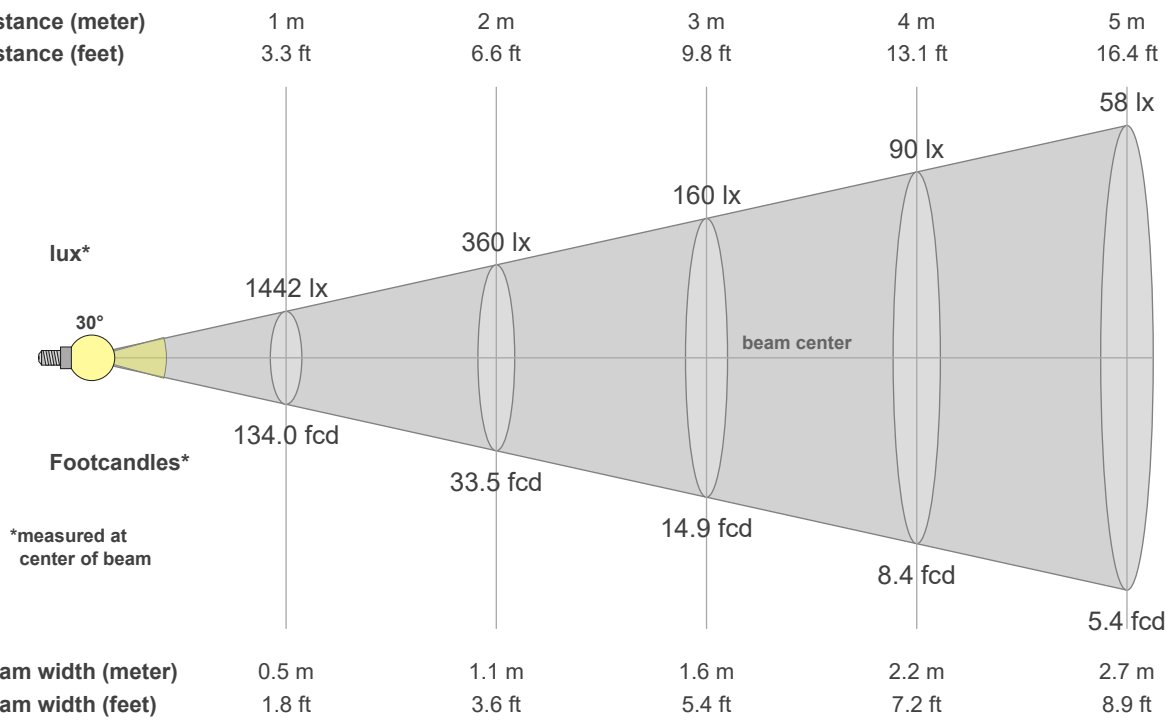


Test report

Light measurement results

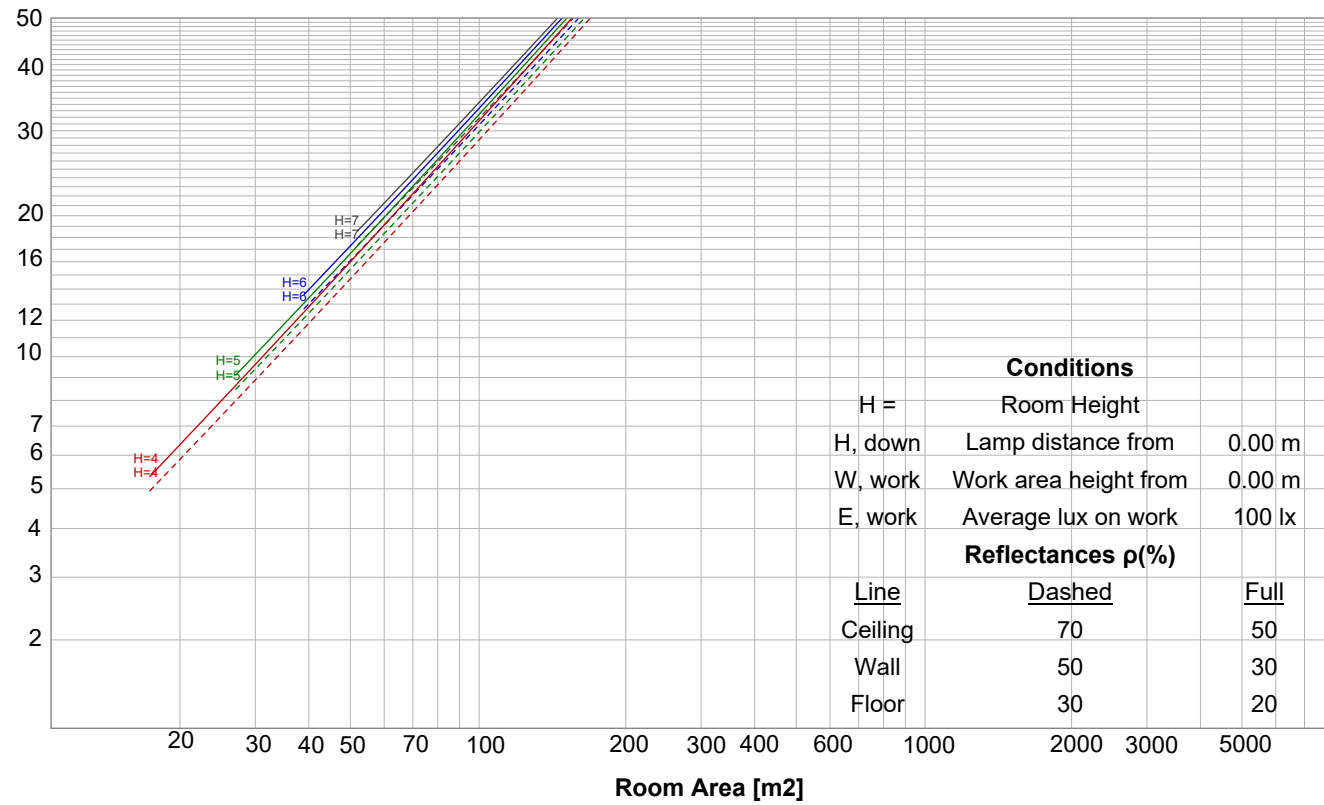
Print date 9/26/2025

Beam details

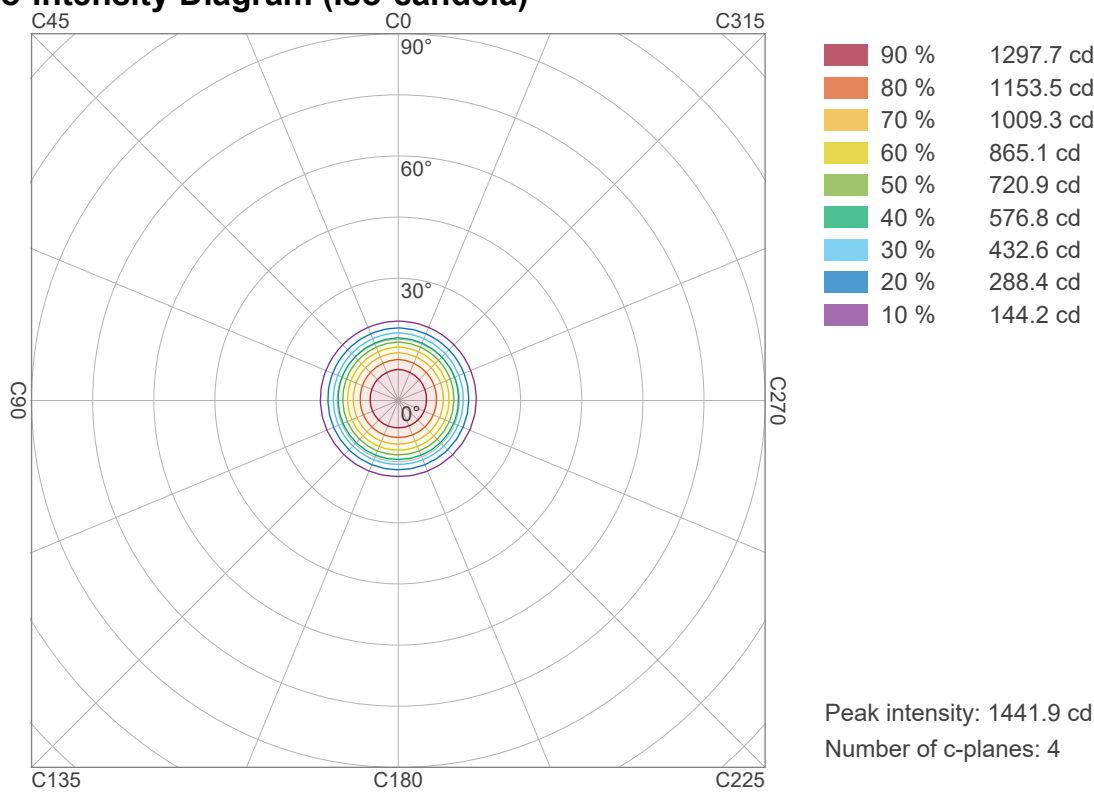


Luminaire budgetary diagram

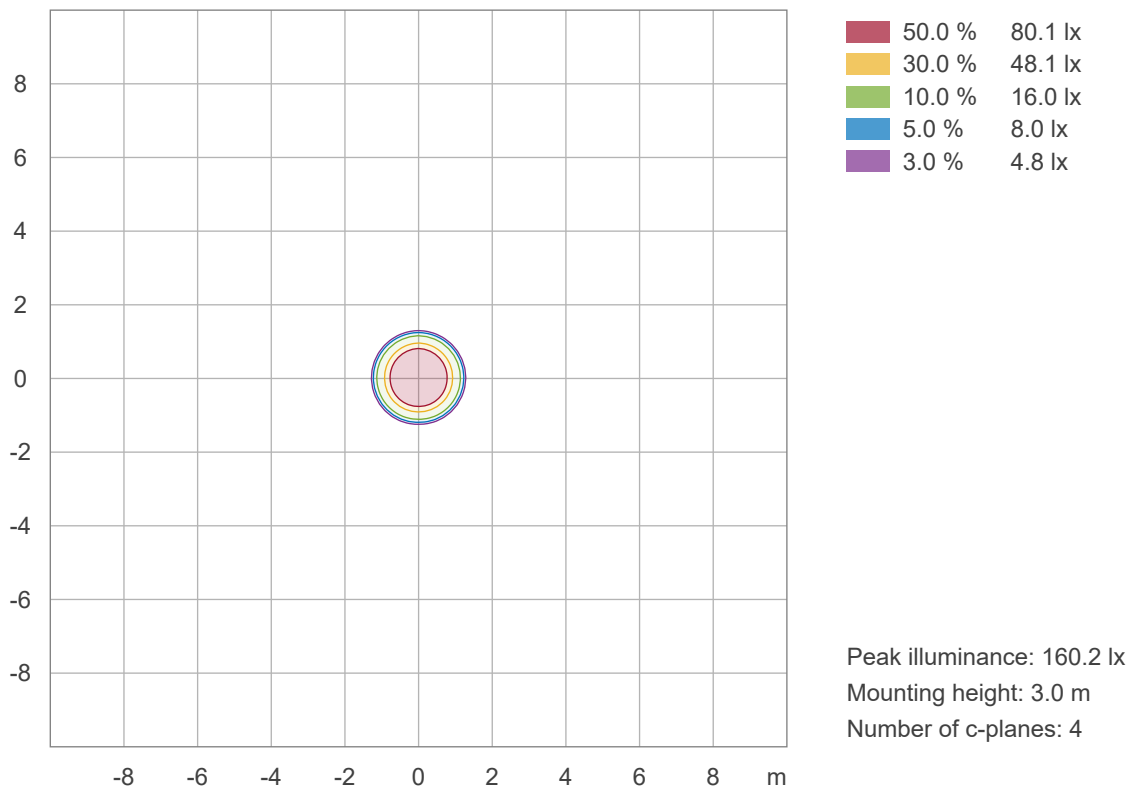
LAMPS (number of lamps)



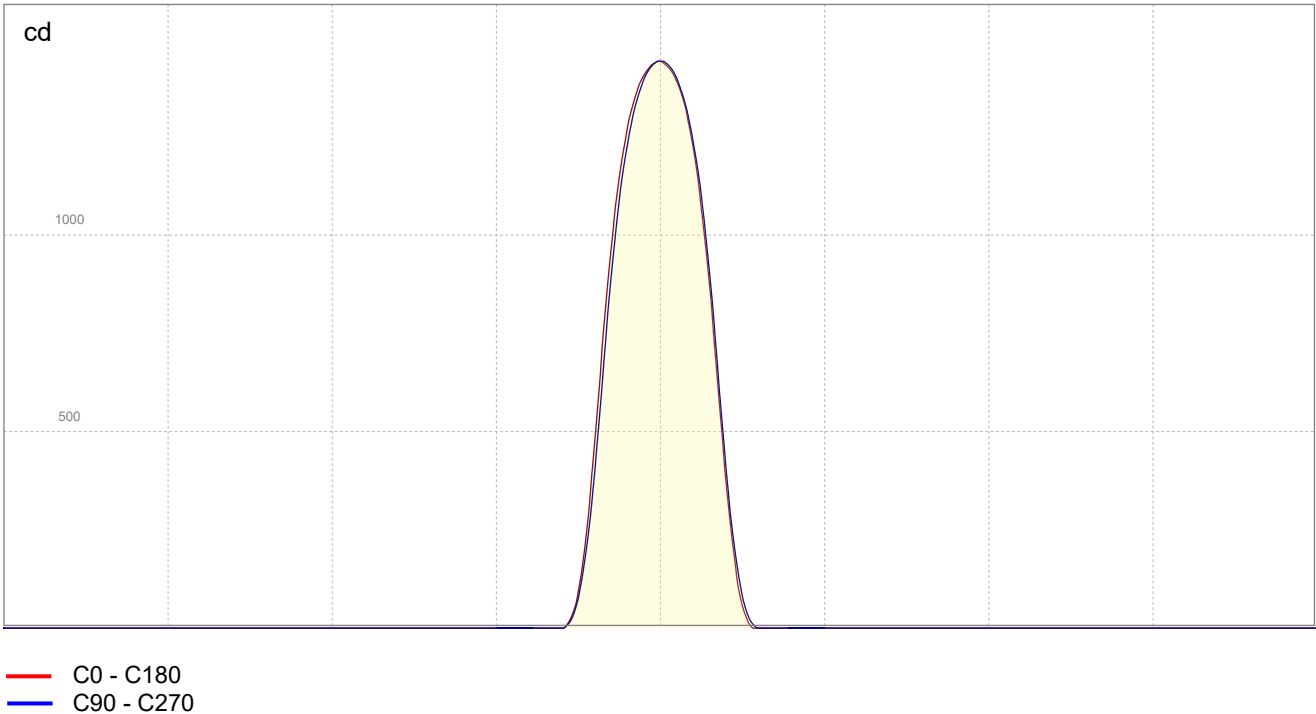
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

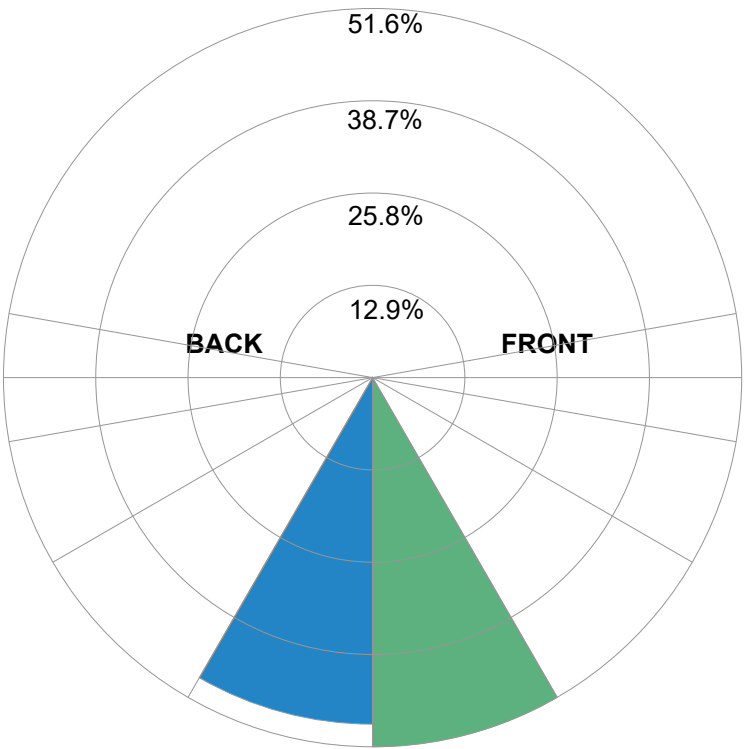


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	173.5	lm	51.6%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	162.9	lm	48.4%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	336	lm	100%
-----	-----	----	------

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
9/26/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
361 – {H_PLANES_DIST}°
- W

Tested Light Source
Luminaire
Basic Luminous Shape
Item No.
Manufacturer

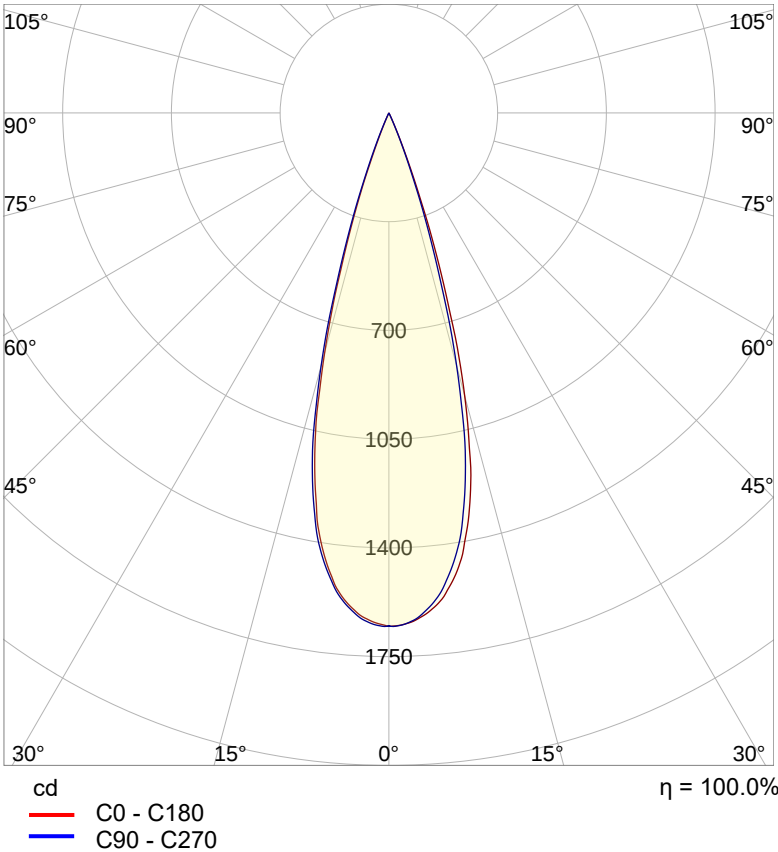
SolaBulb_5500K_30_Degrees
SPOT

Astera

Main Light Measurement Results
Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

385 lm – 0% / 100%
n/a lm/W
1653 cd
5500 K
CRI 0.0

Polar light distribution diagram

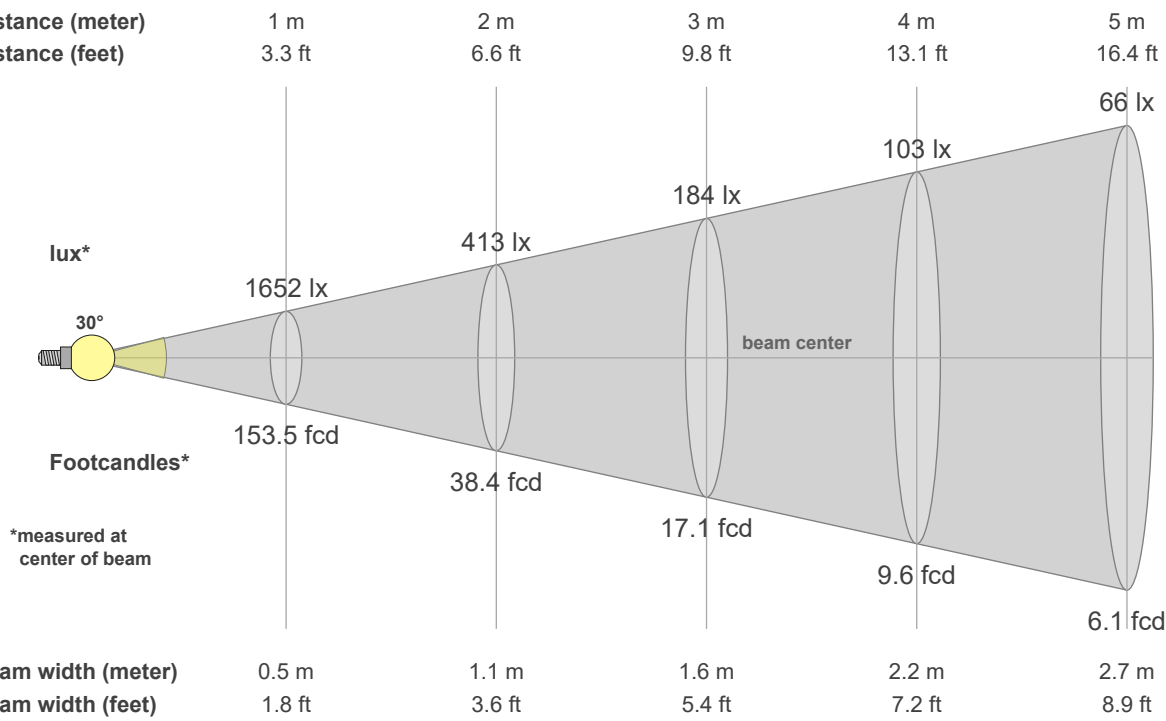


Test report

Light measurement results

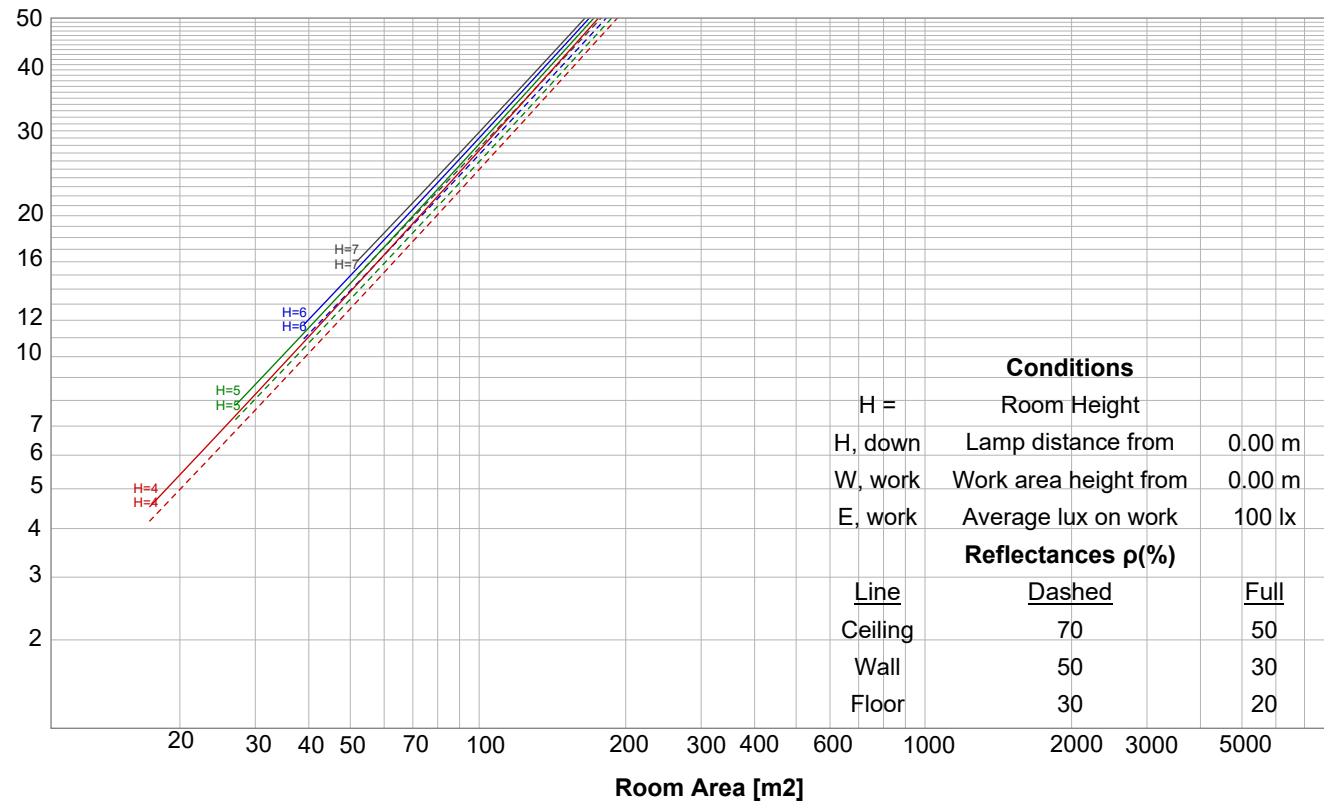
Print date 9/26/2025

Beam details

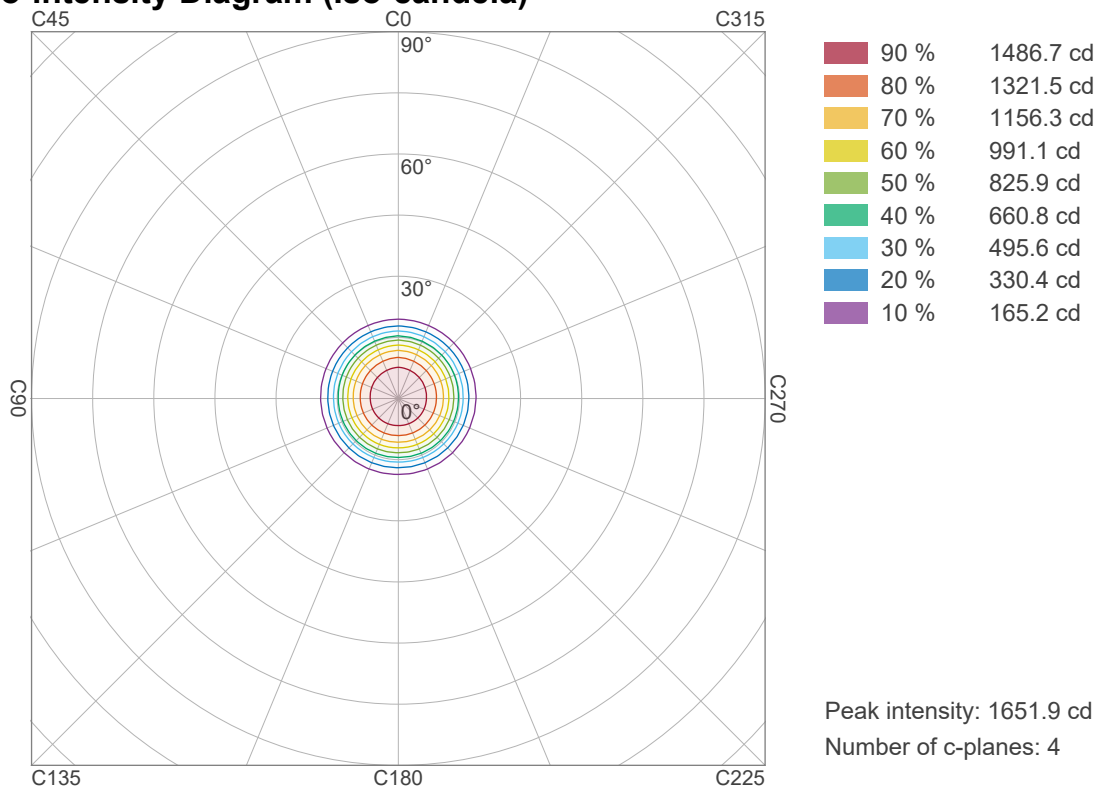


Luminaire budgetary diagram

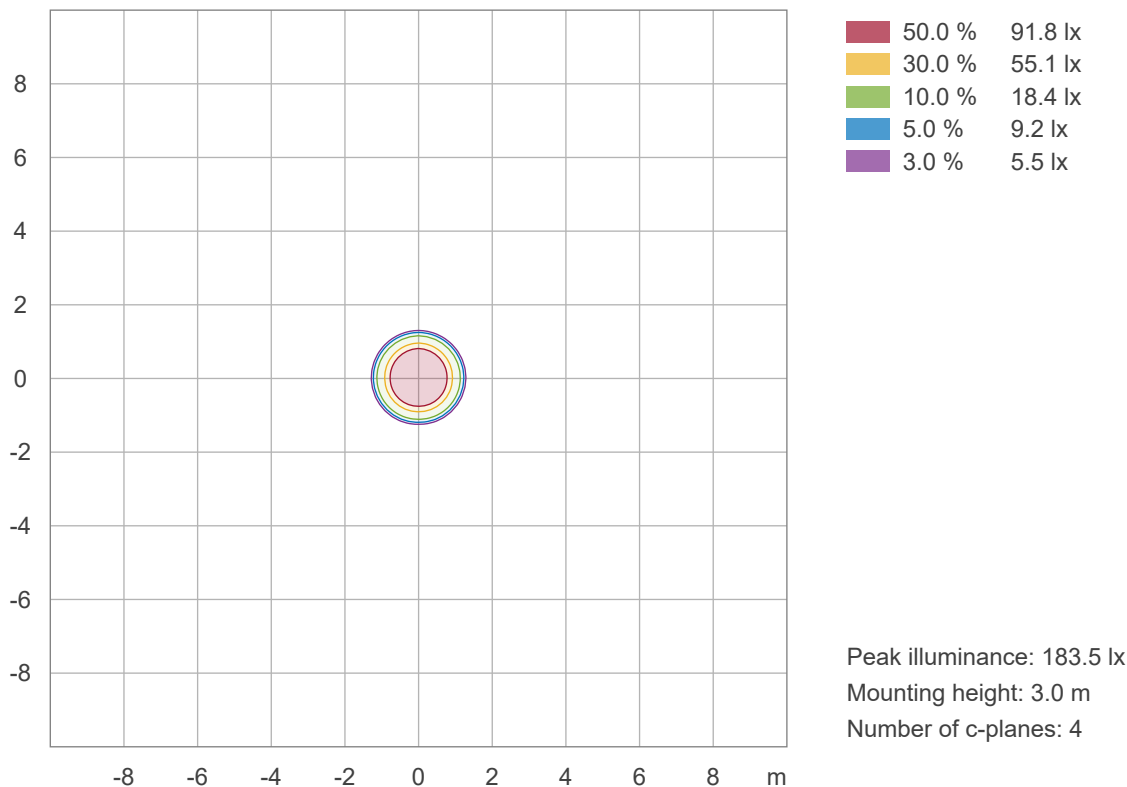
LAMPS (number of lamps)



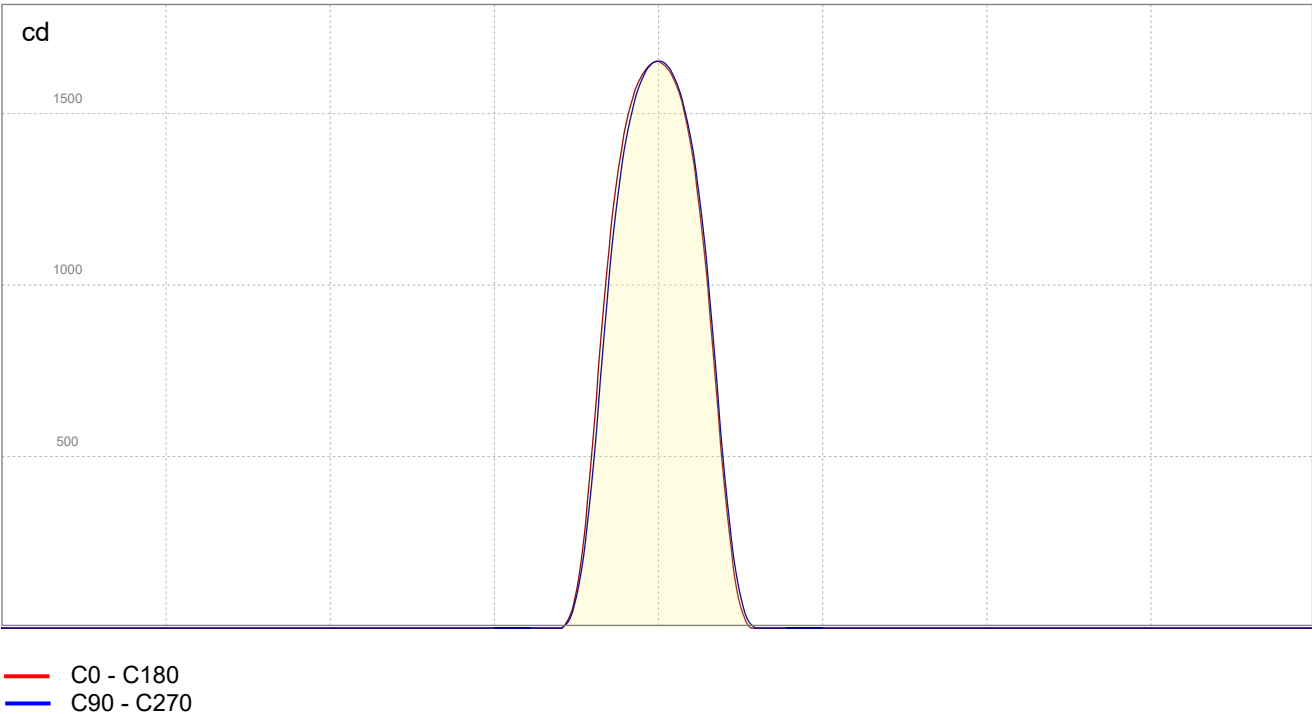
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

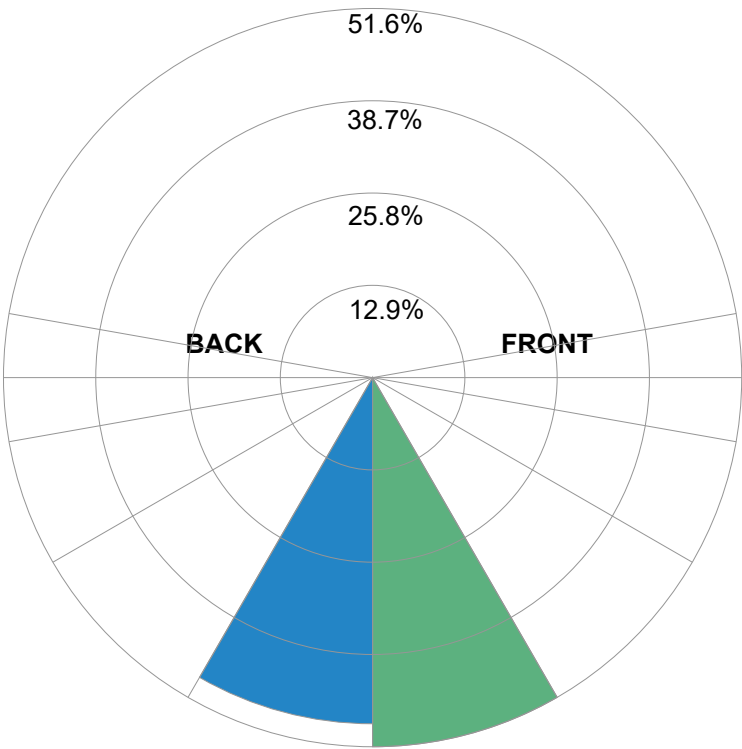


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	198.9	lm	51.6%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	186.5	lm	48.4%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	385	lm	100%
-----	-----	----	------

Test report

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
2/9/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
361 – {H_PLANES_DIST}°
12.0 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

SolaBulb_6500K_30_Degrees
SPOT

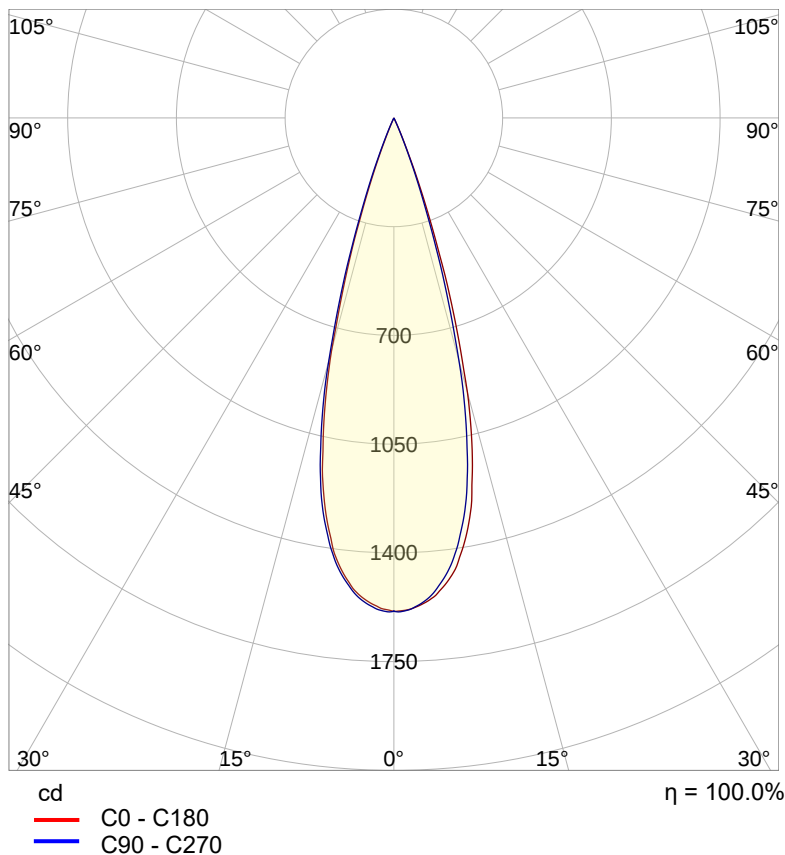
Astera

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

370 lm – 0% / 100%
31 lm/W
1590 cd
6500 K
CRI 0.0

Polar light distribution diagram

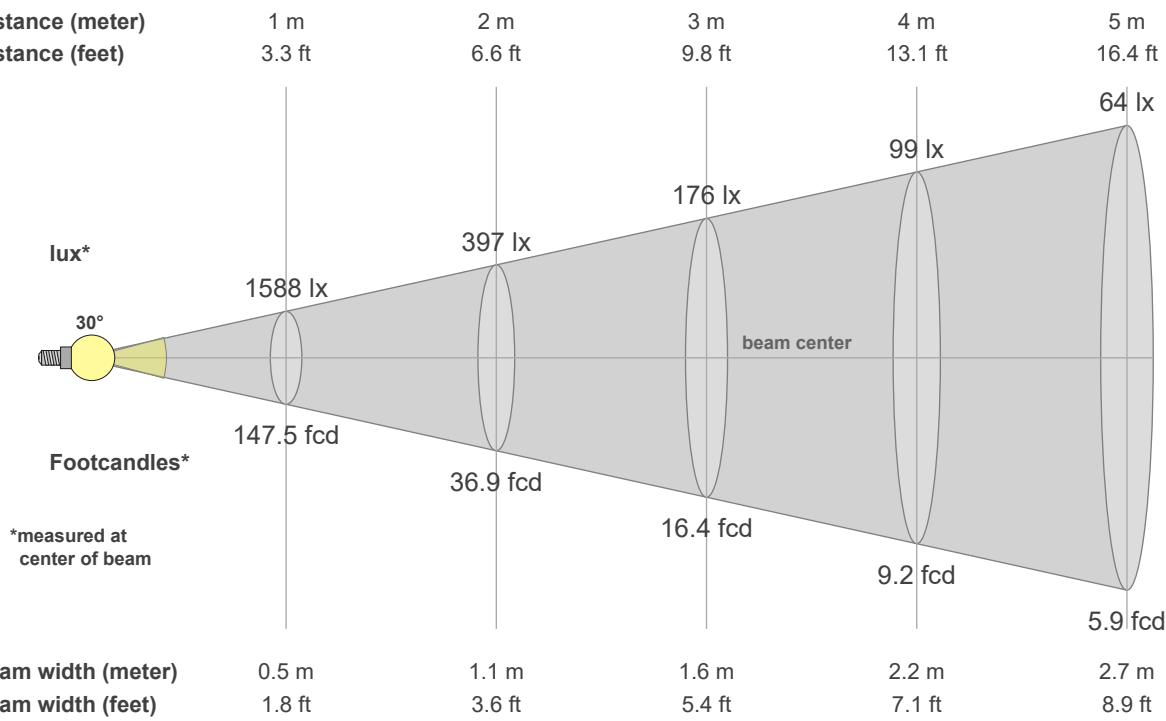


Test report

Light measurement results

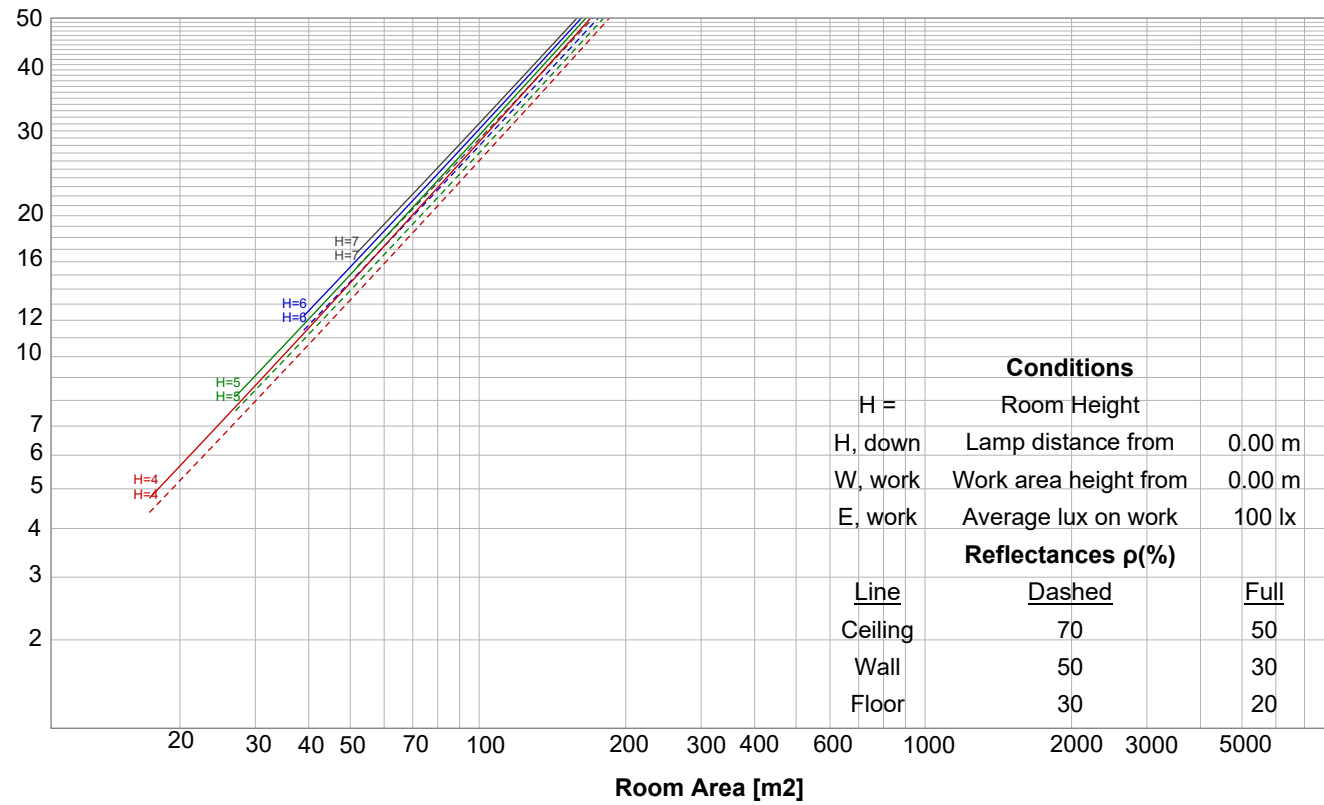
Print date 9/26/2025

Beam details

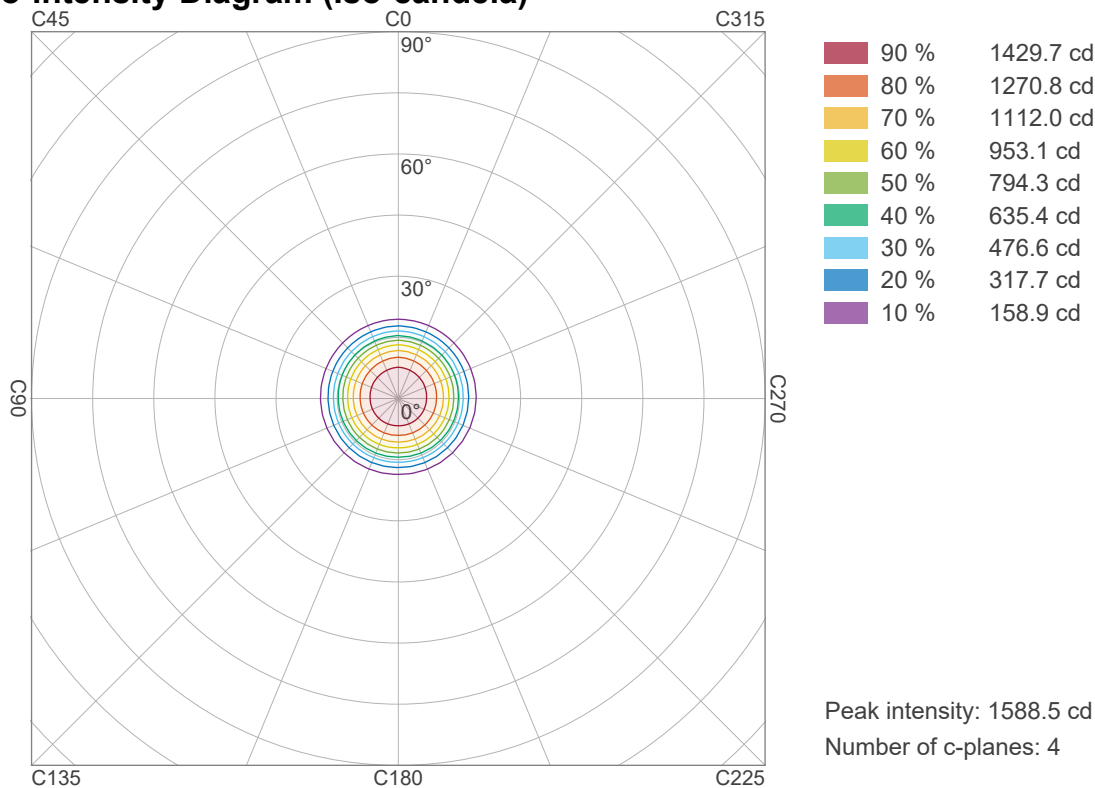


Luminaire budgetary diagram

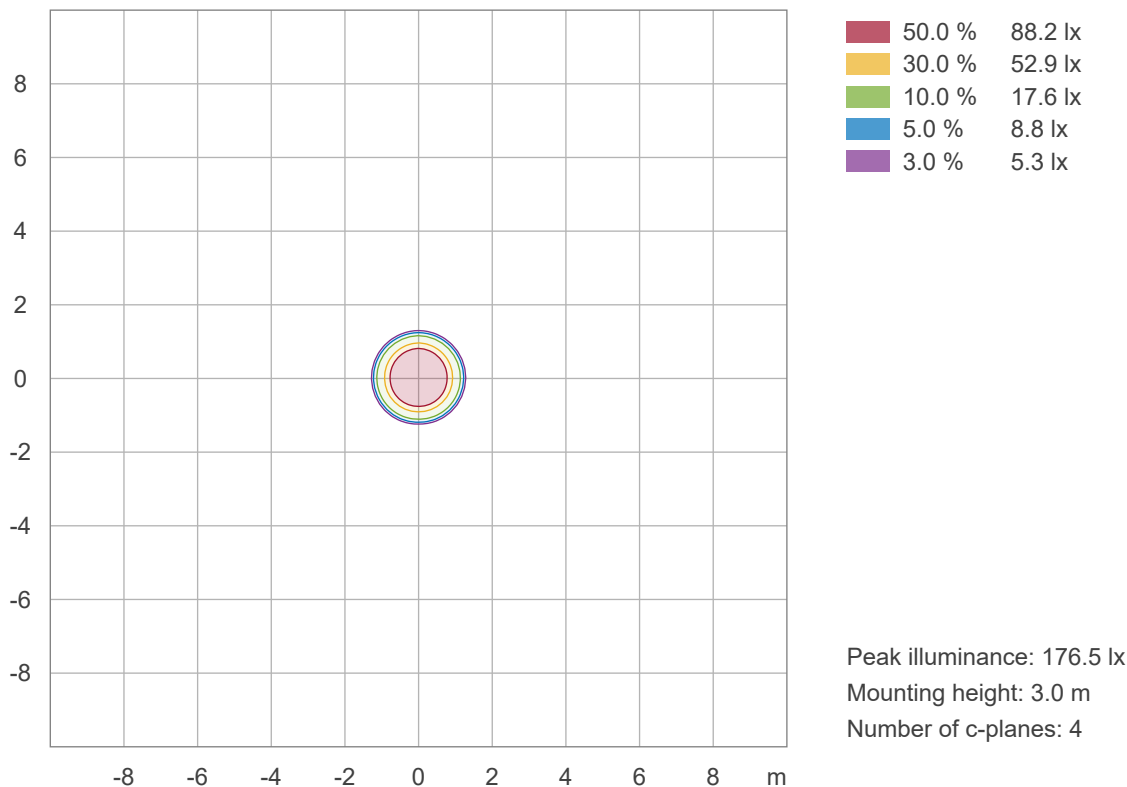
LAMPS (number of lamps)



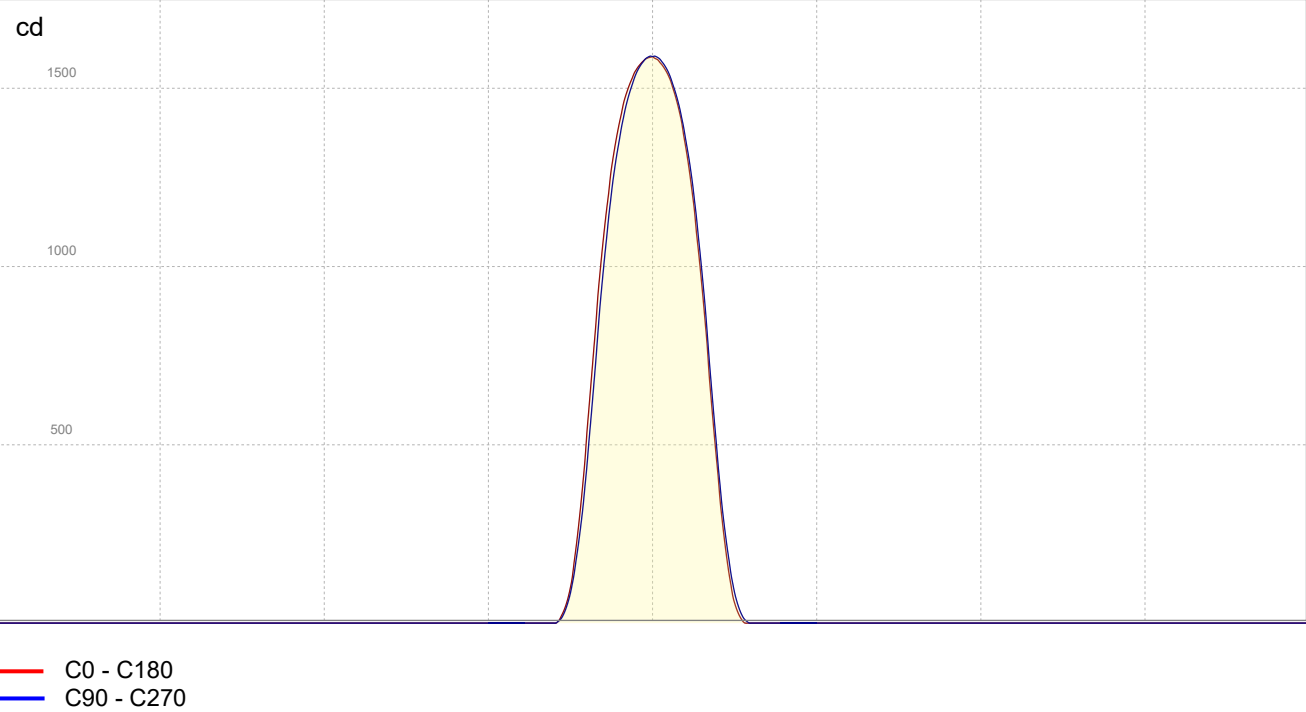
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

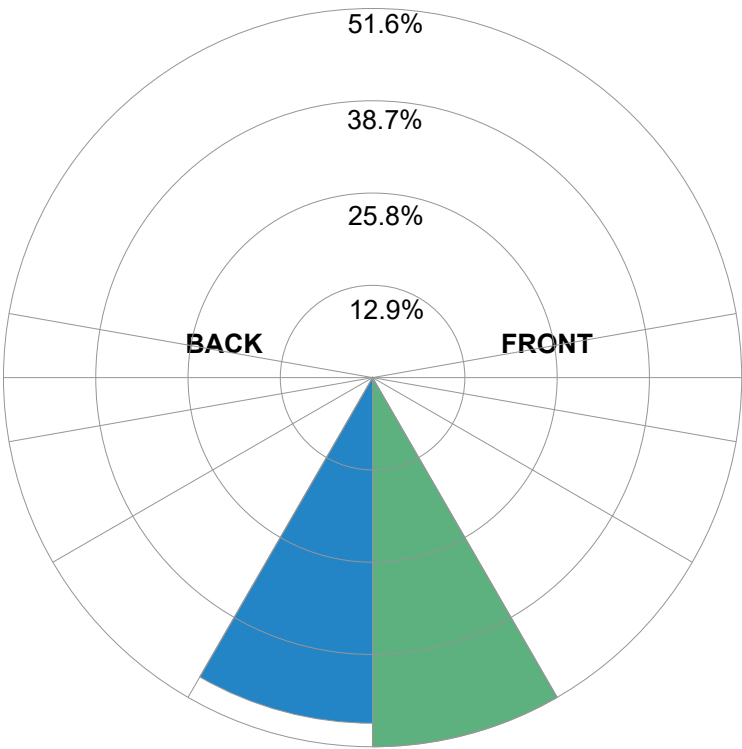


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	191.2	lm	51.6%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	179	lm	48.4%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	370	lm	100%
-----	-----	----	------

Test report

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
2/9/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
181 – {H_PLANES_DIST}°
15.0 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

SolaBulb_2700K_50_Degrees
SPOT

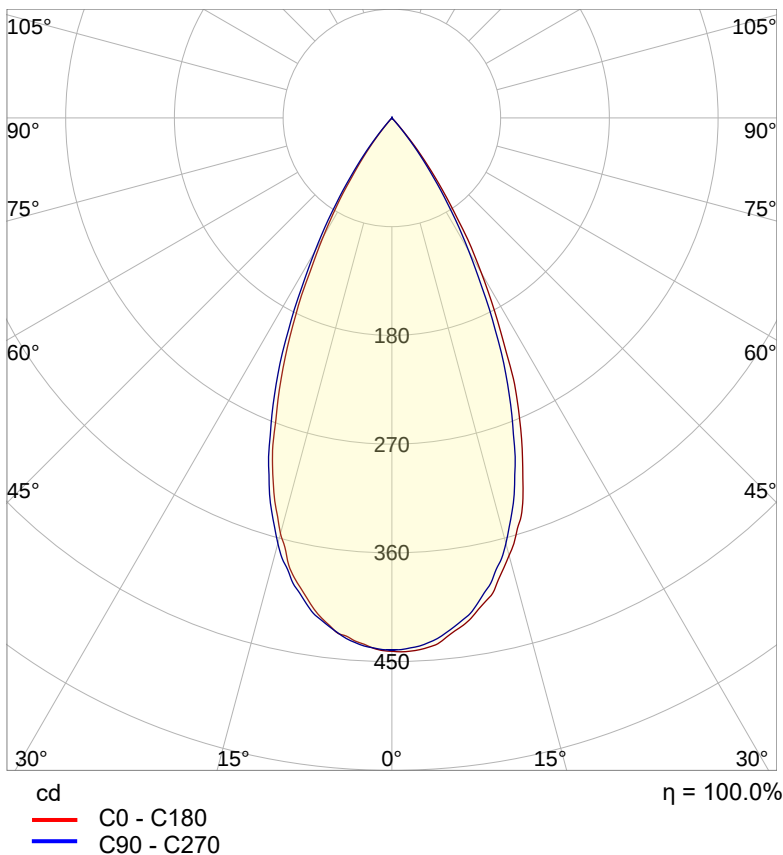
Astera

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

279 lm – 0% / 100%
19 lm/W
442 cd
2700 K
CRI 0.0

Polar light distribution diagram

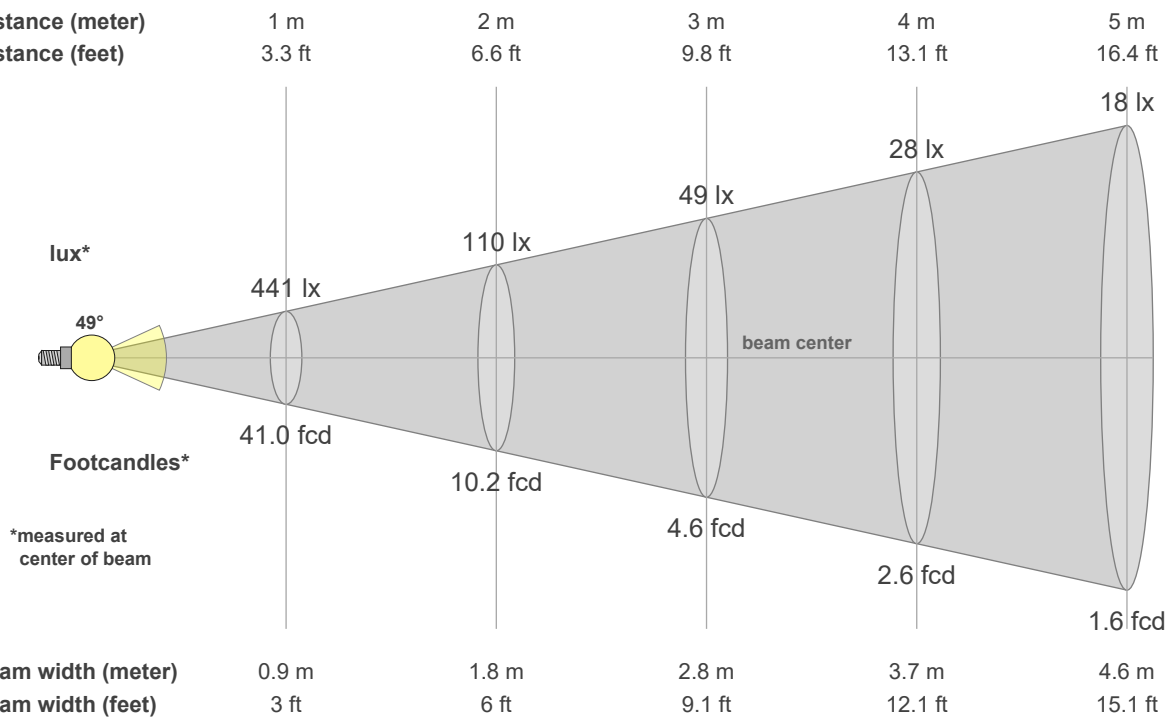


Test report

Light measurement results

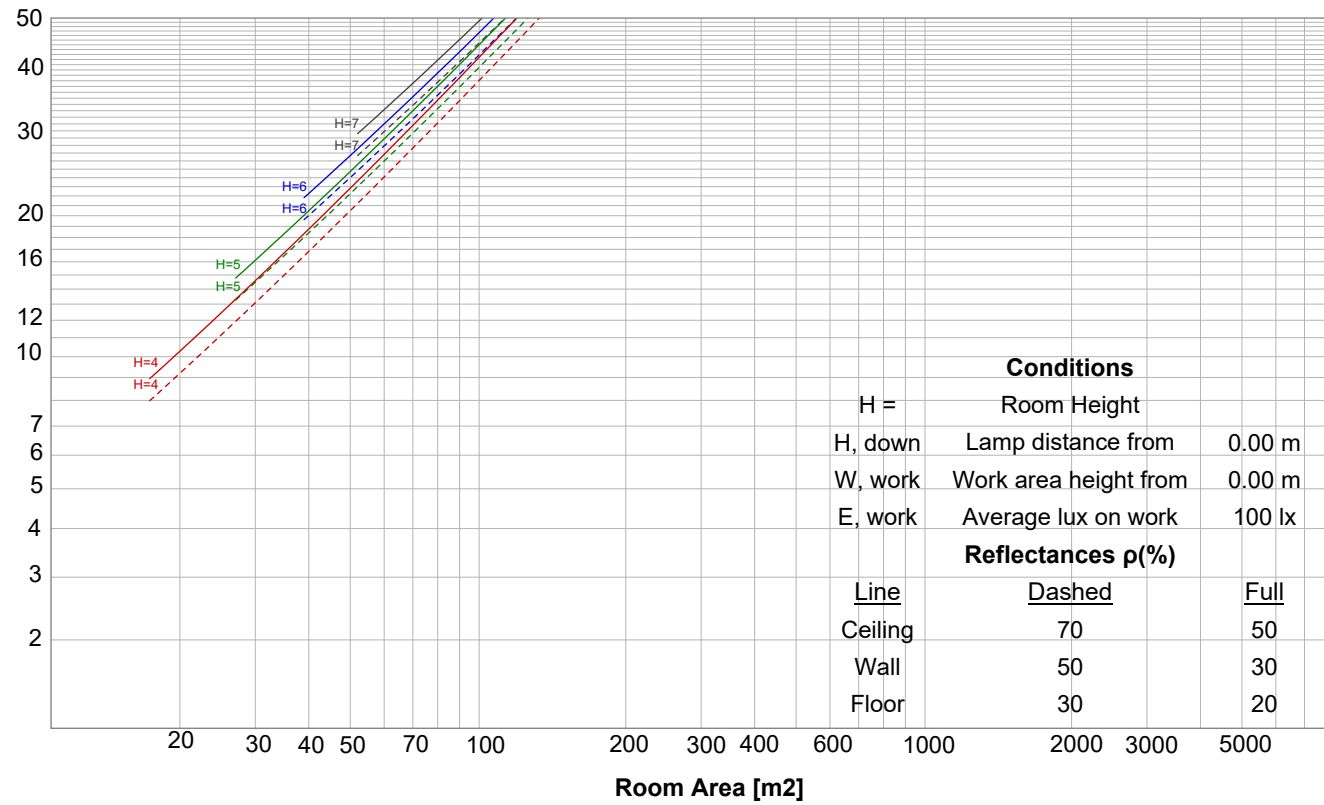
Print date 9/26/2025

Beam details

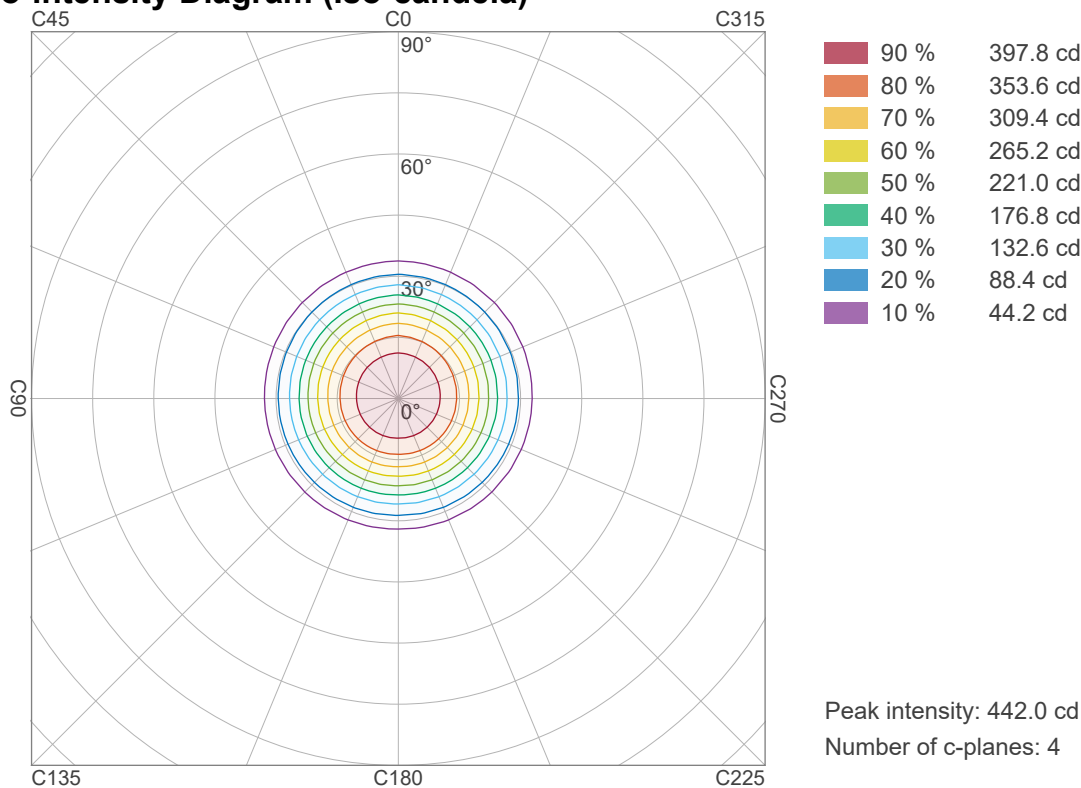


Luminaire budgetary diagram

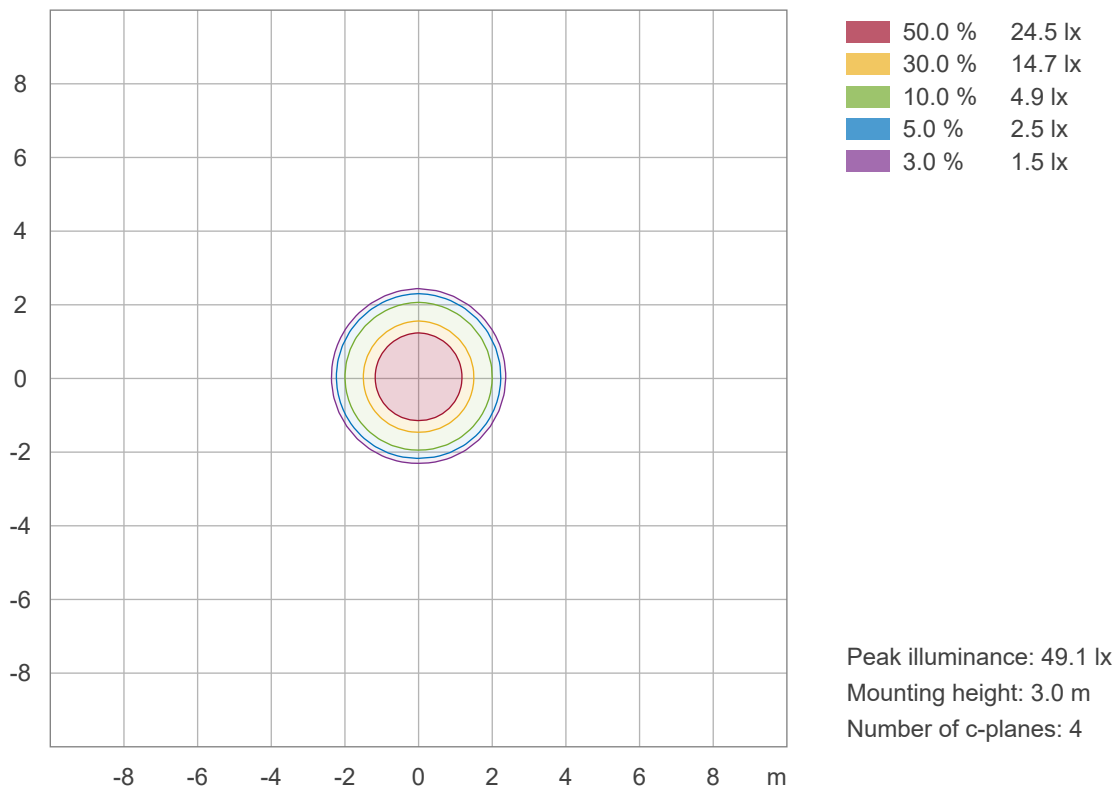
LAMPS (number of lamps)



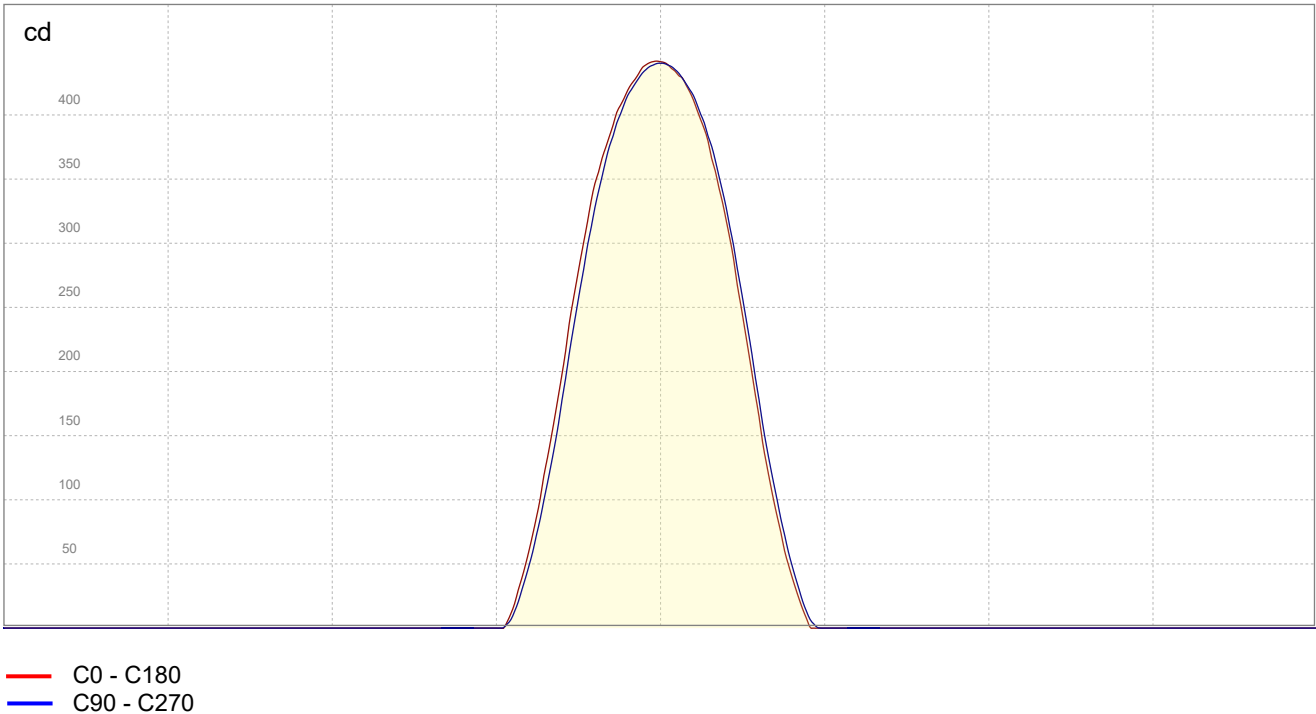
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

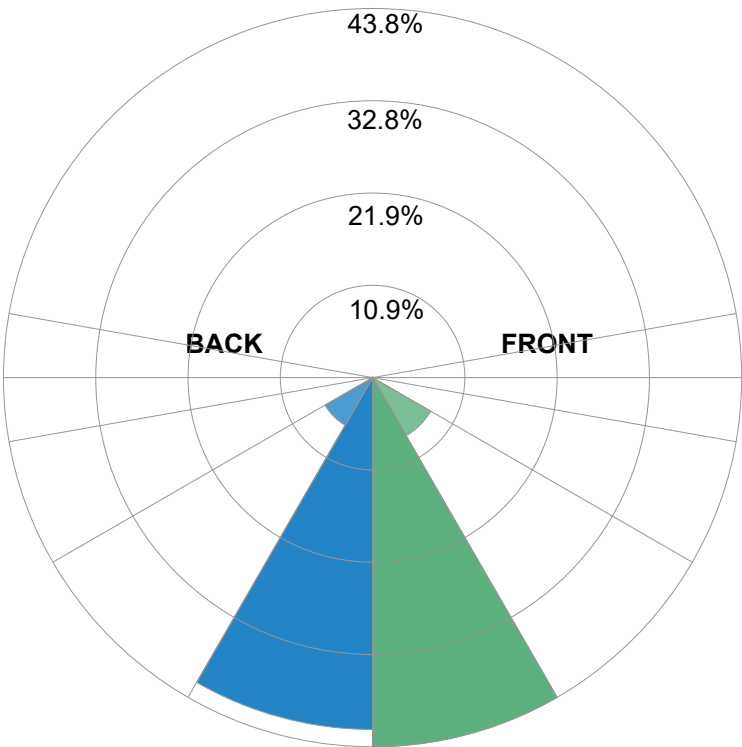


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	122	lm	43.8%
Medium (30-60°)	22.2	lm	8%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	116.3	lm	41.7%
Medium (30-60°)	18.1	lm	6.5%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	279	lm	100%
-----	-----	----	------

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
2/9/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
181 – {H_PLANES_DIST}°
14.0 W

Tested Light Source

Luminaire
Basic Luminous Shape
Item No.
Manufacturer

SolaBulb_3200K_50_Degrees
SPOT

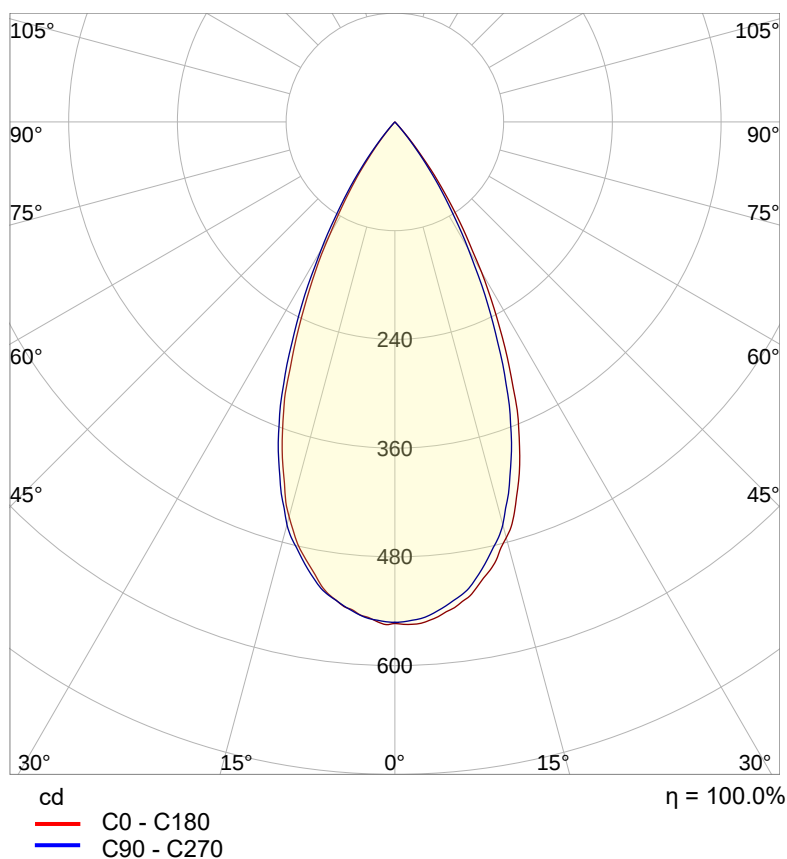
Astera

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

353 lm – 0% / 100%
25 lm/W
555 cd
3200 K
CRI 0.0

Polar light distribution diagram

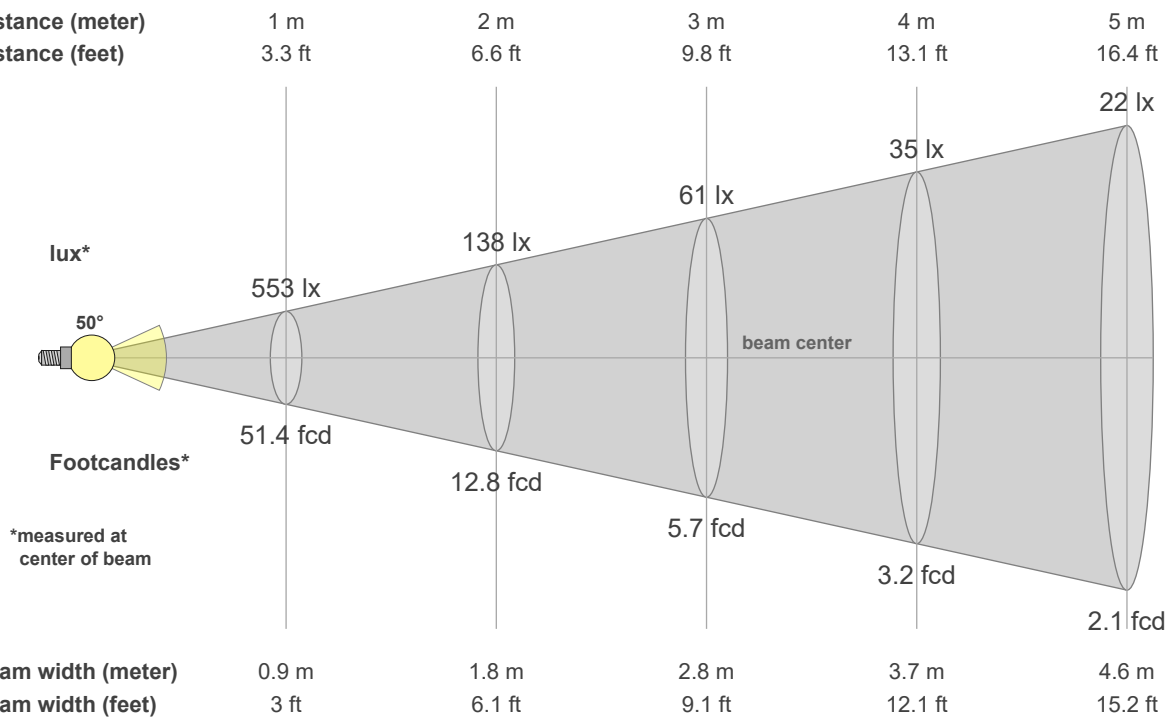


Test report

Light measurement results

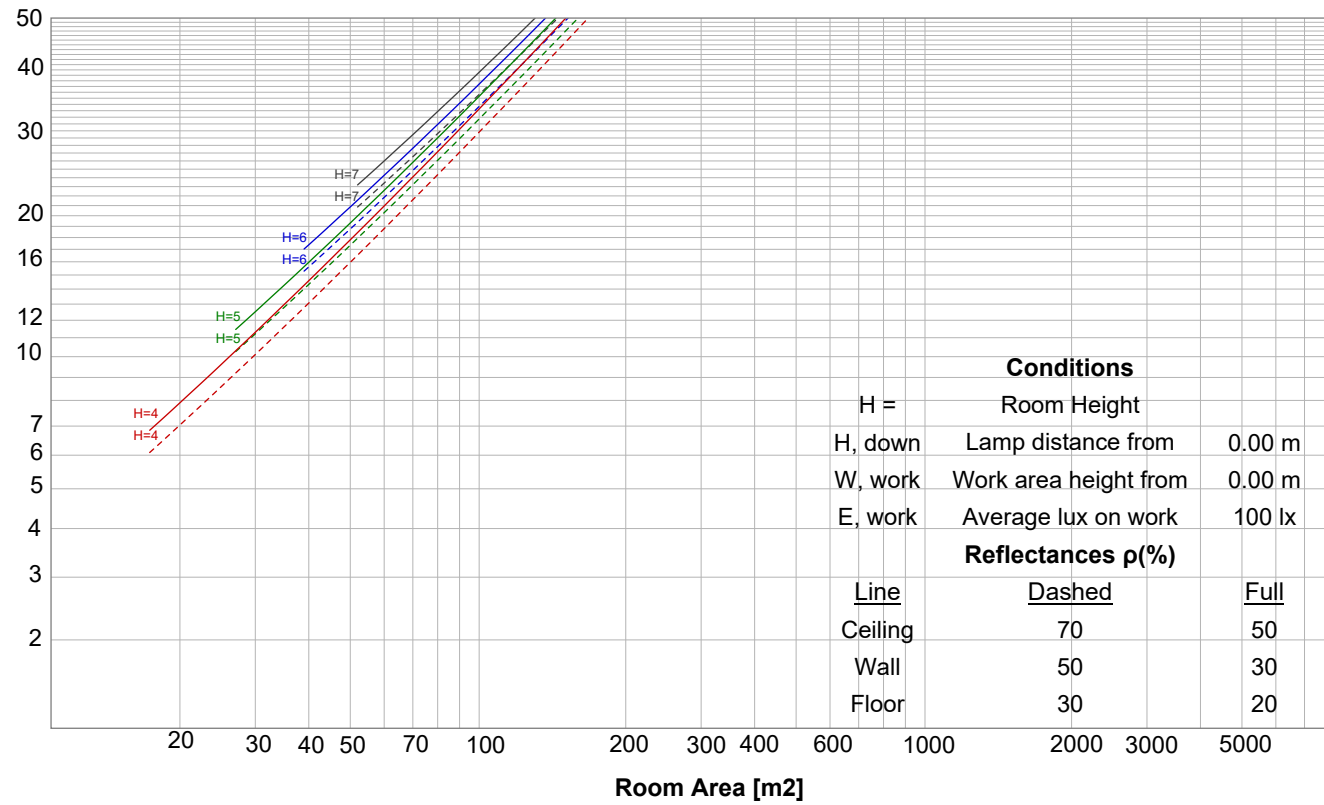
Print date 9/26/2025

Beam details

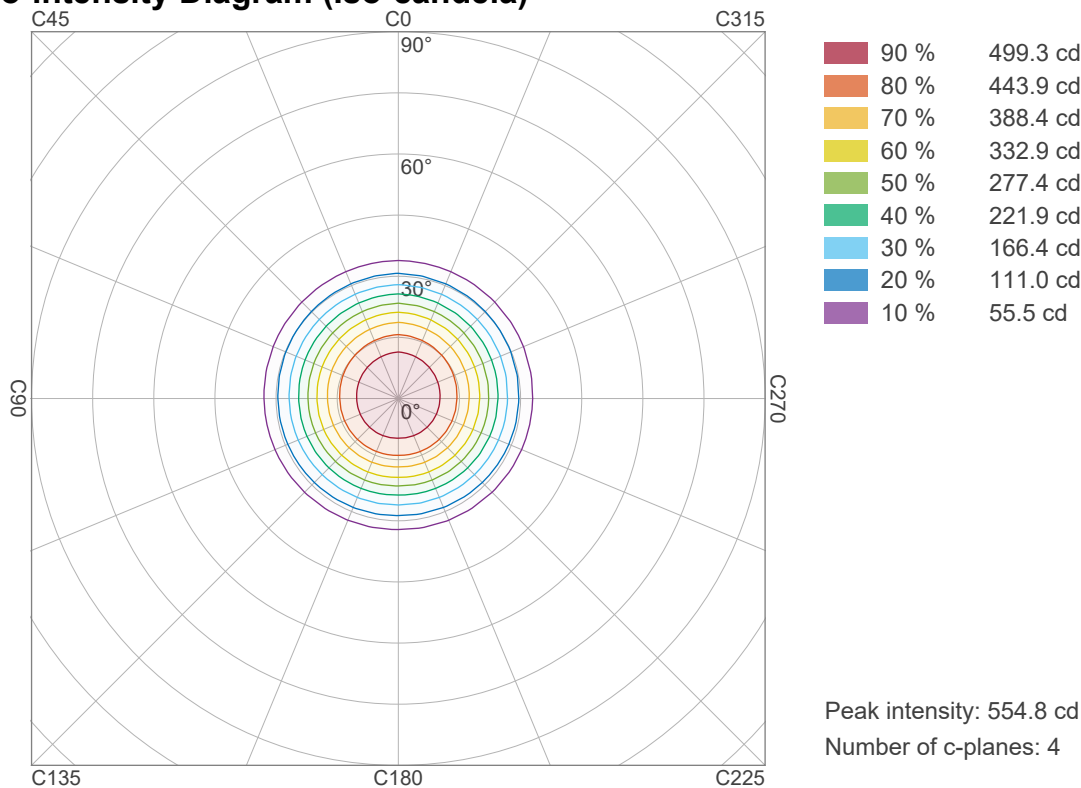


Luminaire budgetary diagram

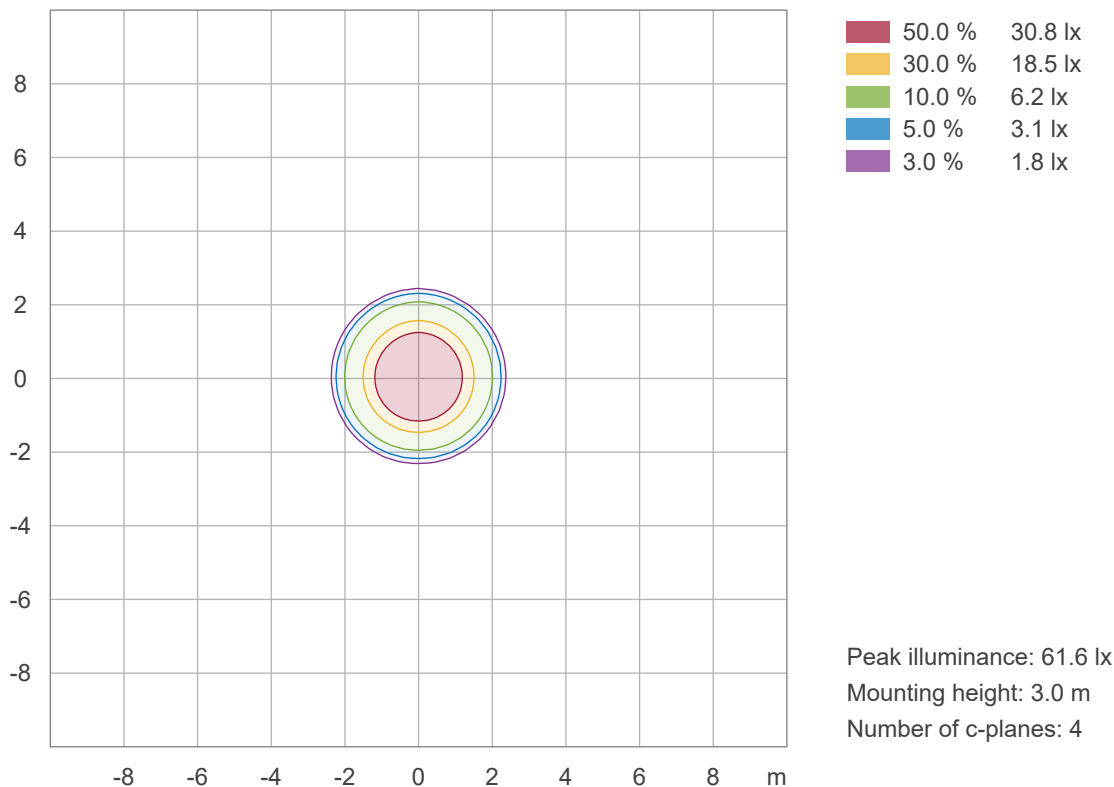
LAMPS (number of lamps)



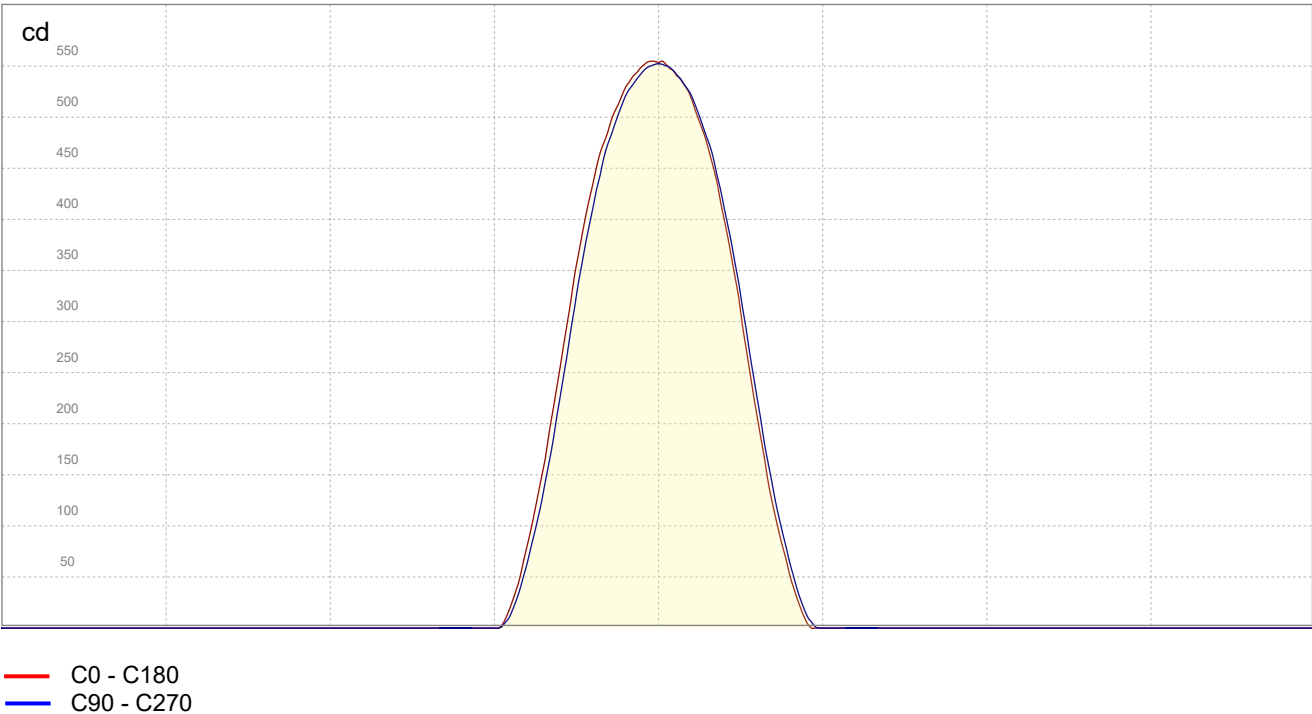
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

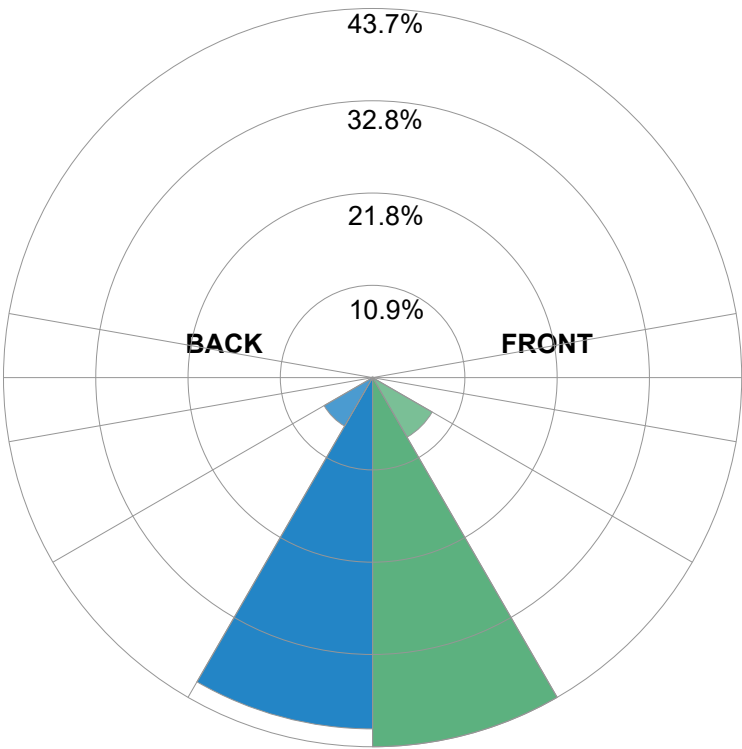


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	154.3	lm	43.7%
Medium (30-60°)	28.7	lm	8.1%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	146.8	lm	41.6%
Medium (30-60°)	23.4	lm	6.6%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	353	lm	100%
-----	-----	----	------

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
2/9/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
181 – {H_PLANES_DIST}°
15.0 W

Tested Light Source
Luminaire
Basic Luminous Shape
Item No.
Manufacturer

SolaBulb_4000K_50_Degrees
SPOT

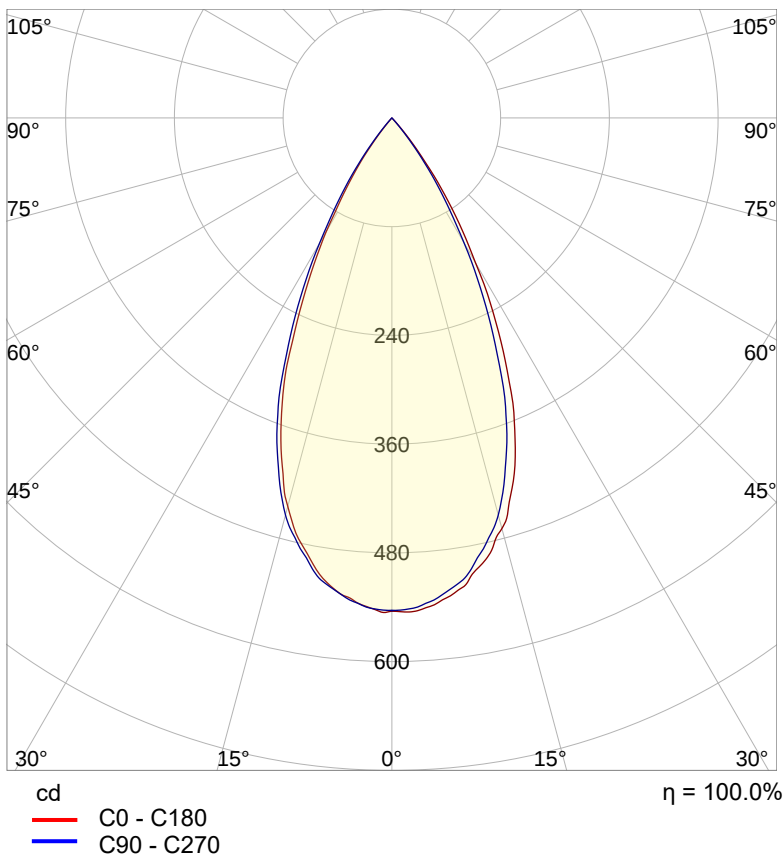
Astera

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

347 lm – 0% / 100%
23 lm/W
546 cd
4000 K
CRI 0.0

Polar light distribution diagram

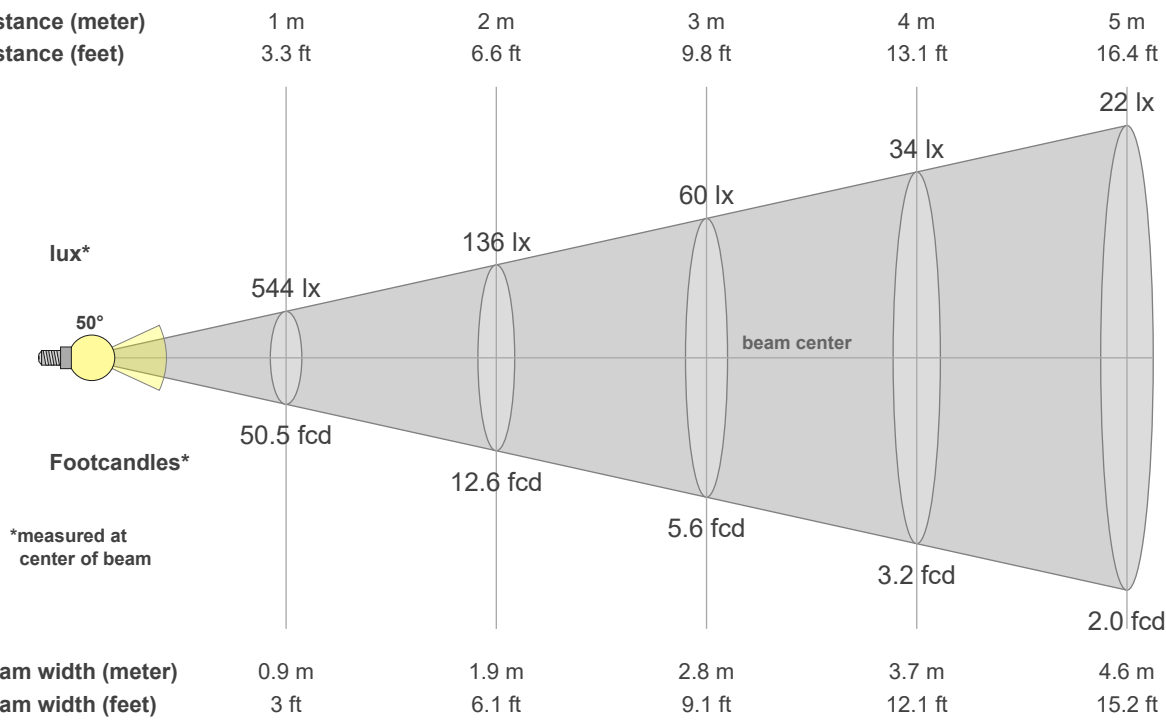


Test report

Light measurement results

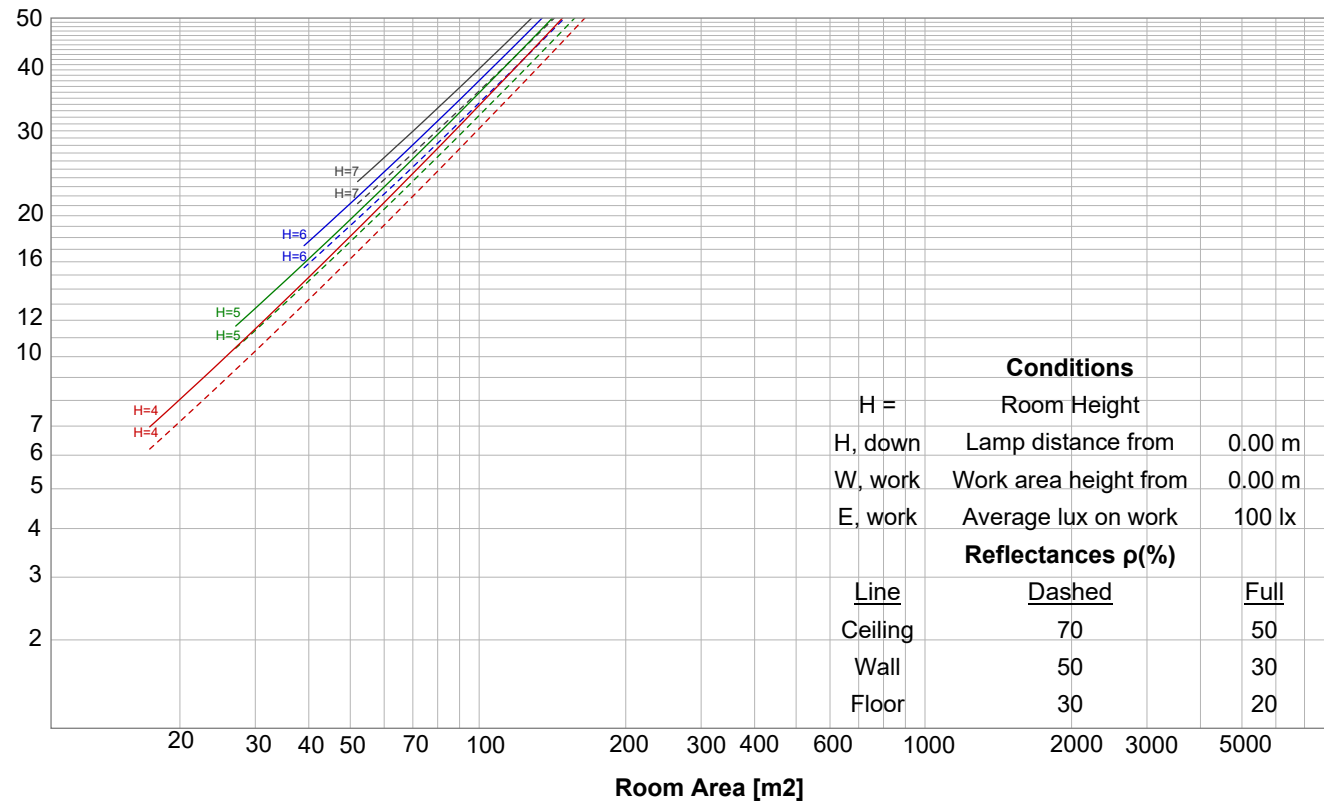
Print date 9/26/2025

Beam details

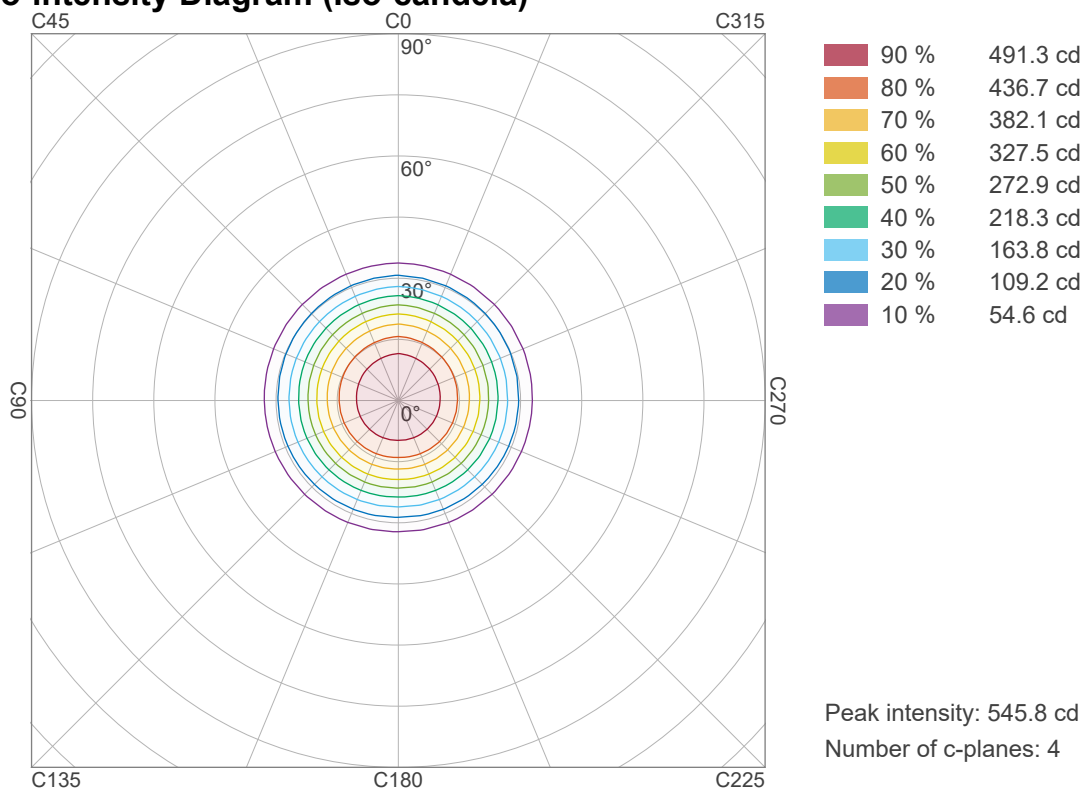


Luminaire budgetary diagram

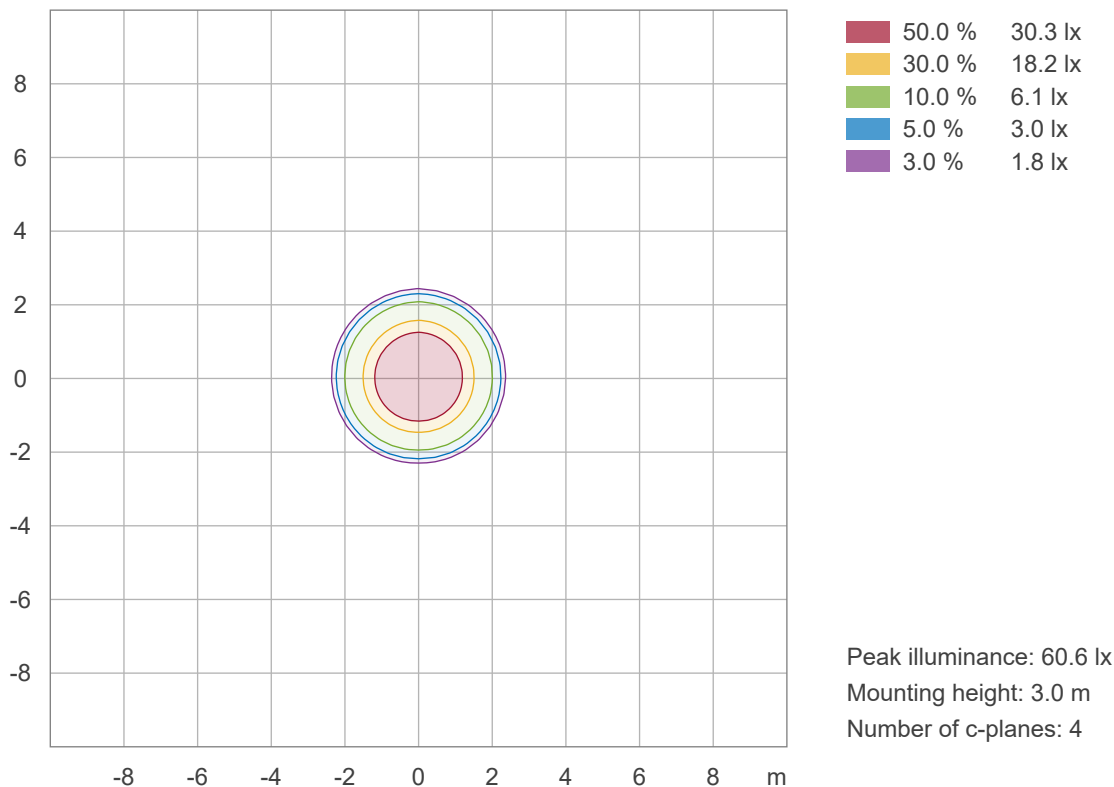
LAMPS (number of lamps)



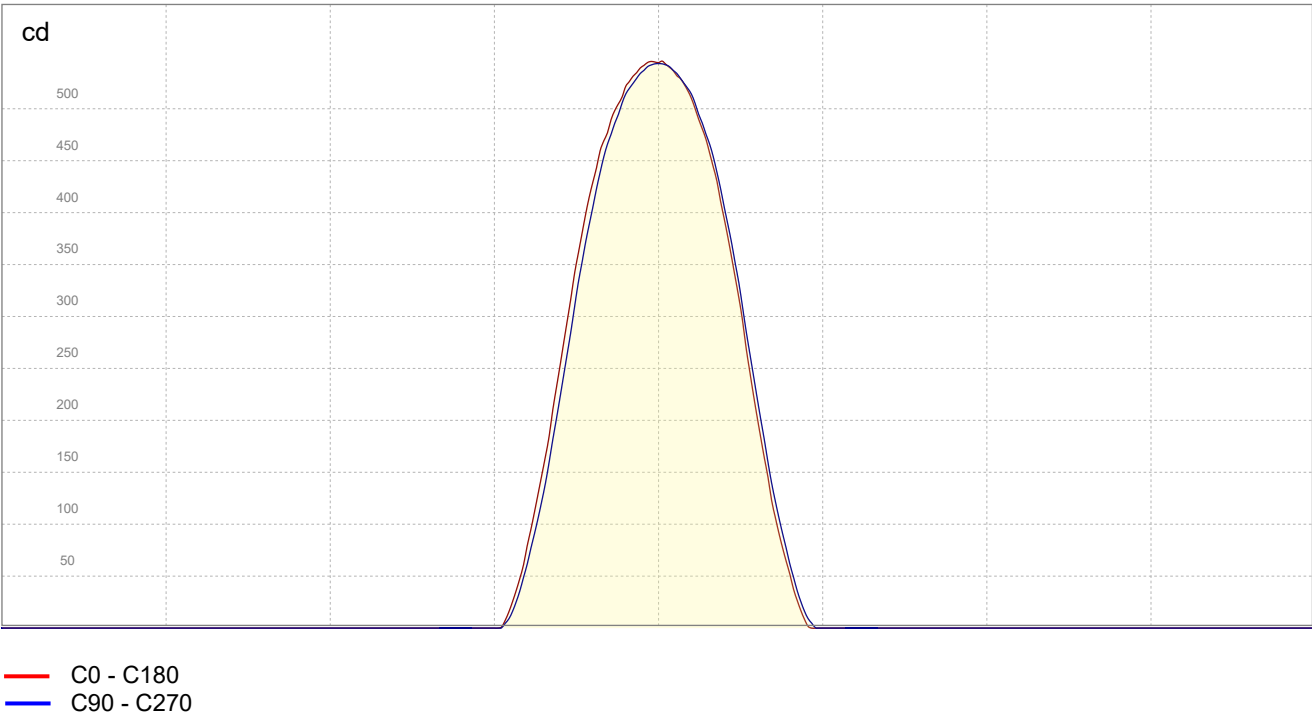
Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

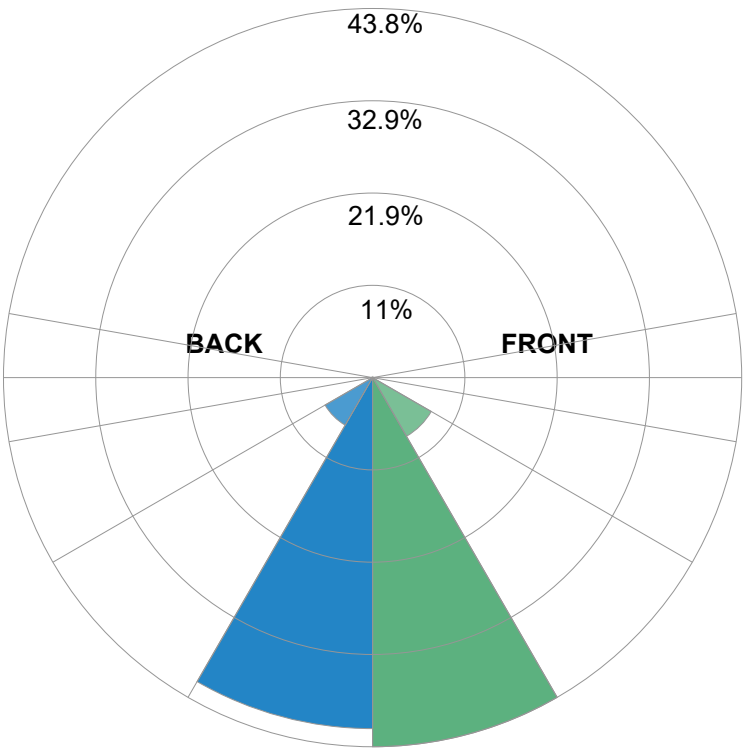


Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	152.2	lm	43.8%
Medium (30-60°)	27.9	lm	8%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	144.7	lm	41.7%
Medium (30-60°)	22.6	lm	6.5%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	347	lm	100%
-----	-----	----	------

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
9/26/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
181 – {H_PLANES_DIST}°
- W

Tested Light Source
Luminaire
Basic Luminous Shape
Item No.
Manufacturer

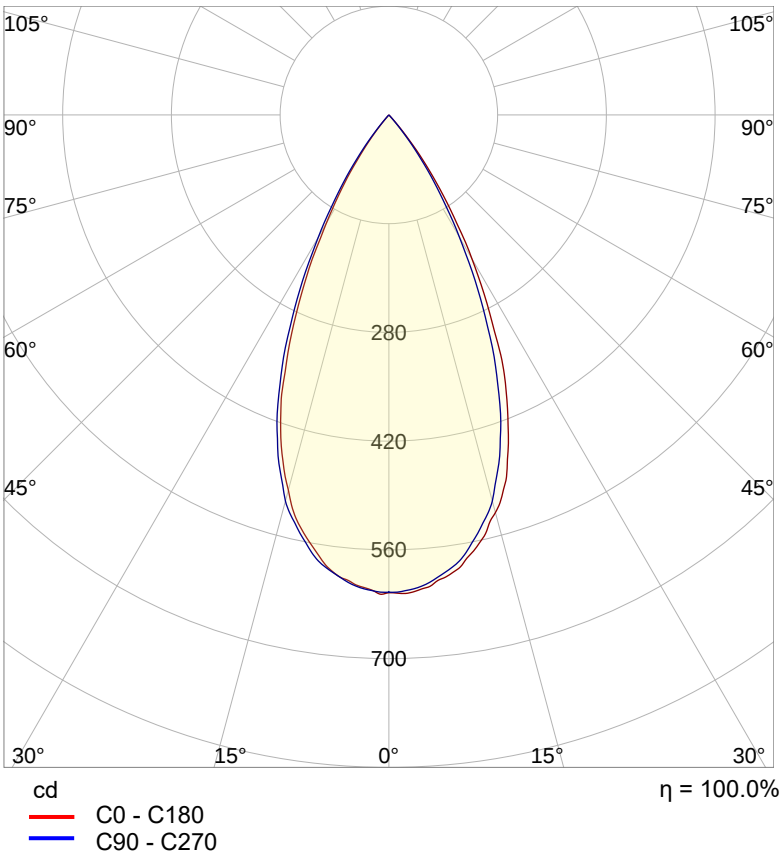
SolaBulb_5500K_50_Degrees
SPOT

Astera

Main Light Measurement Results
Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

394 lm – 0% / 100%
n/a lm/W
617 cd
5500 K
CRI 0.0

Polar light distribution diagram

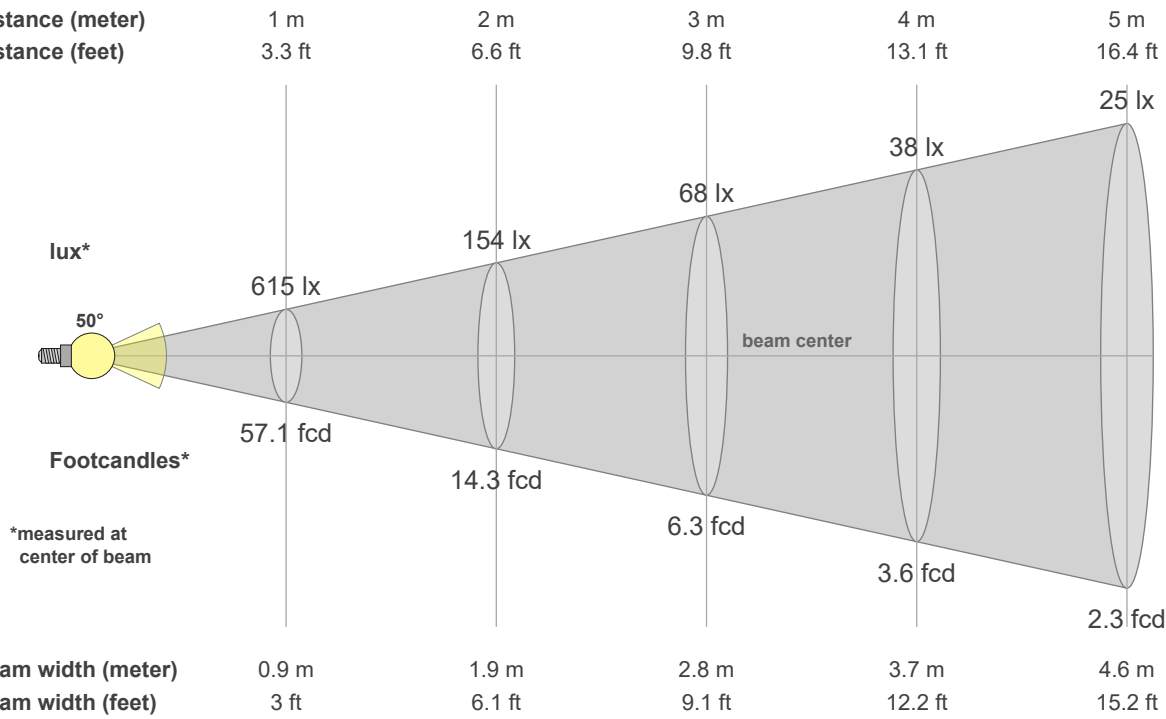


Test report

Light measurement results

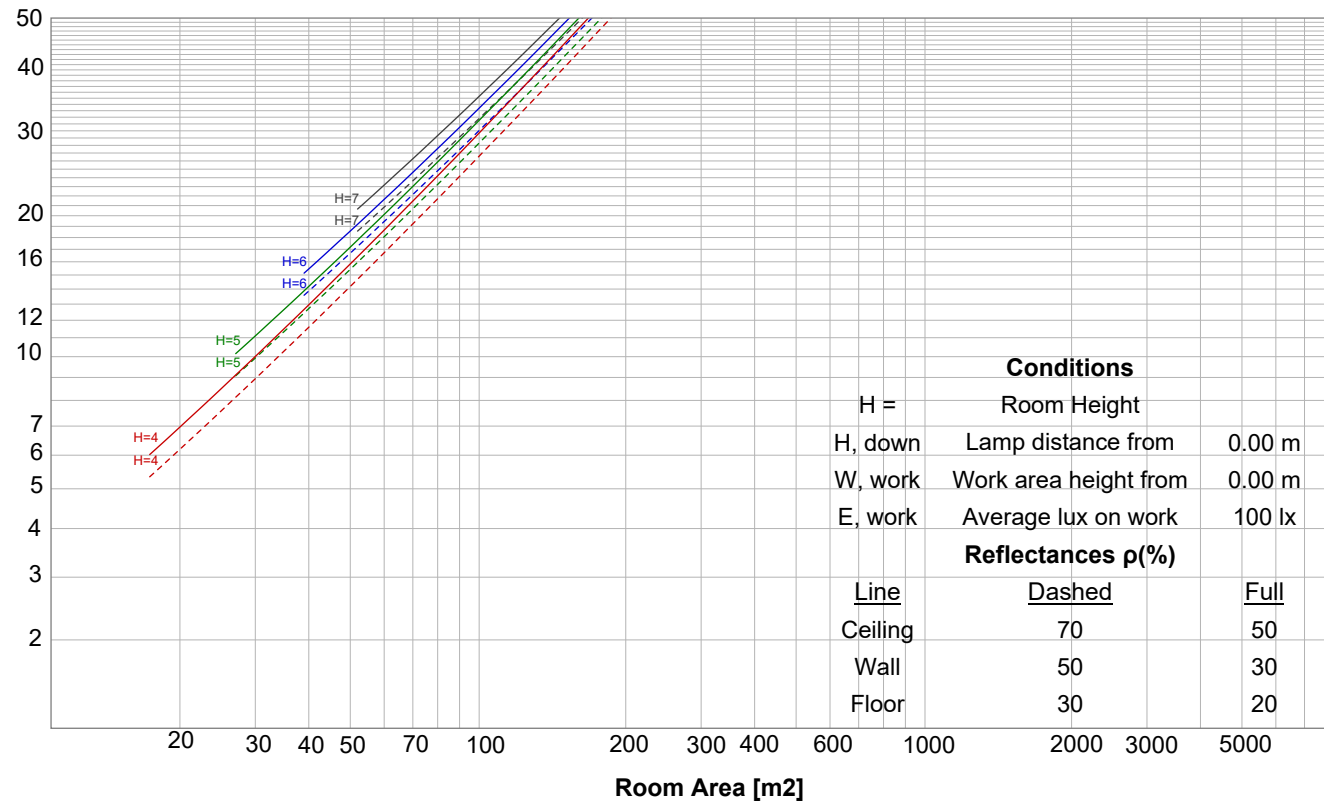
Print date 9/26/2025

Beam details

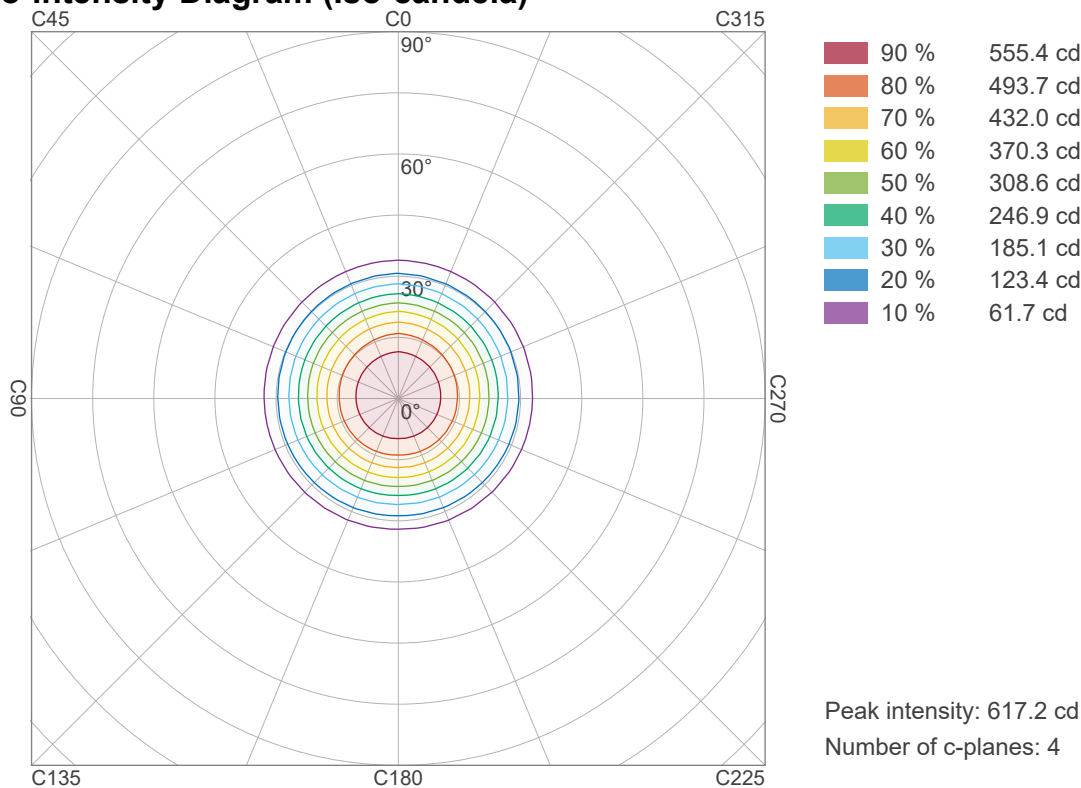


Luminaire budgetary diagram

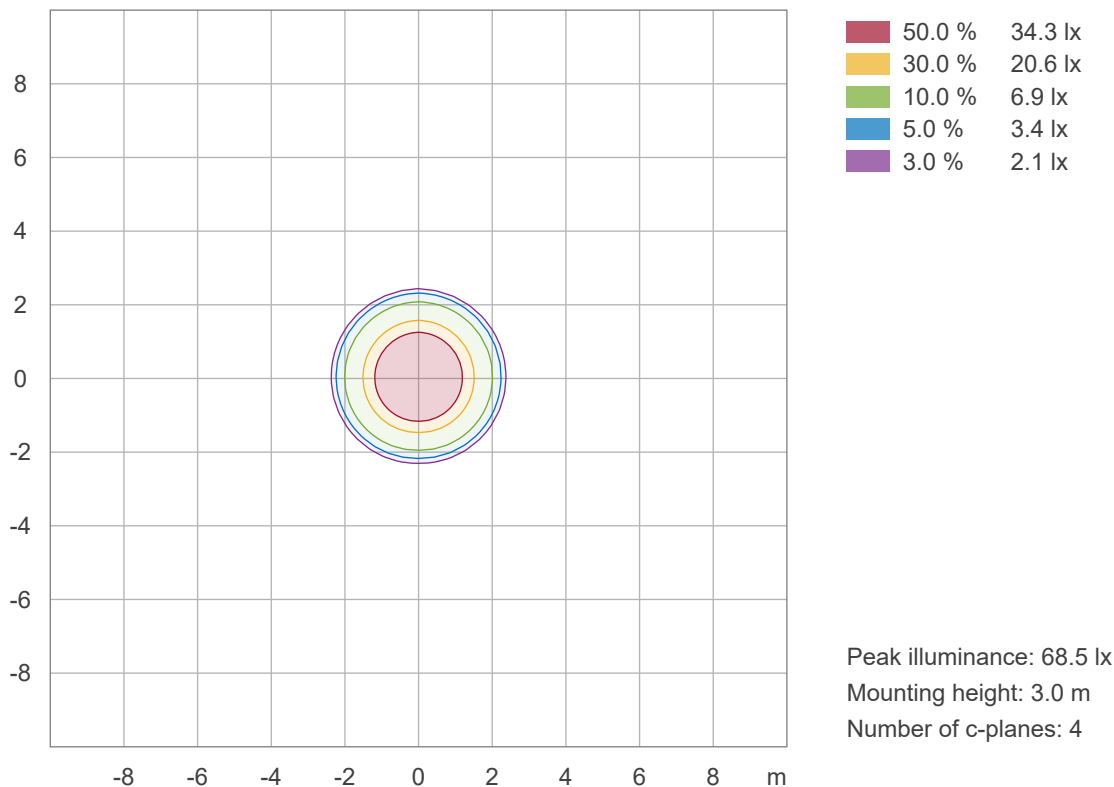
LAMPS (number of lamps)



Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

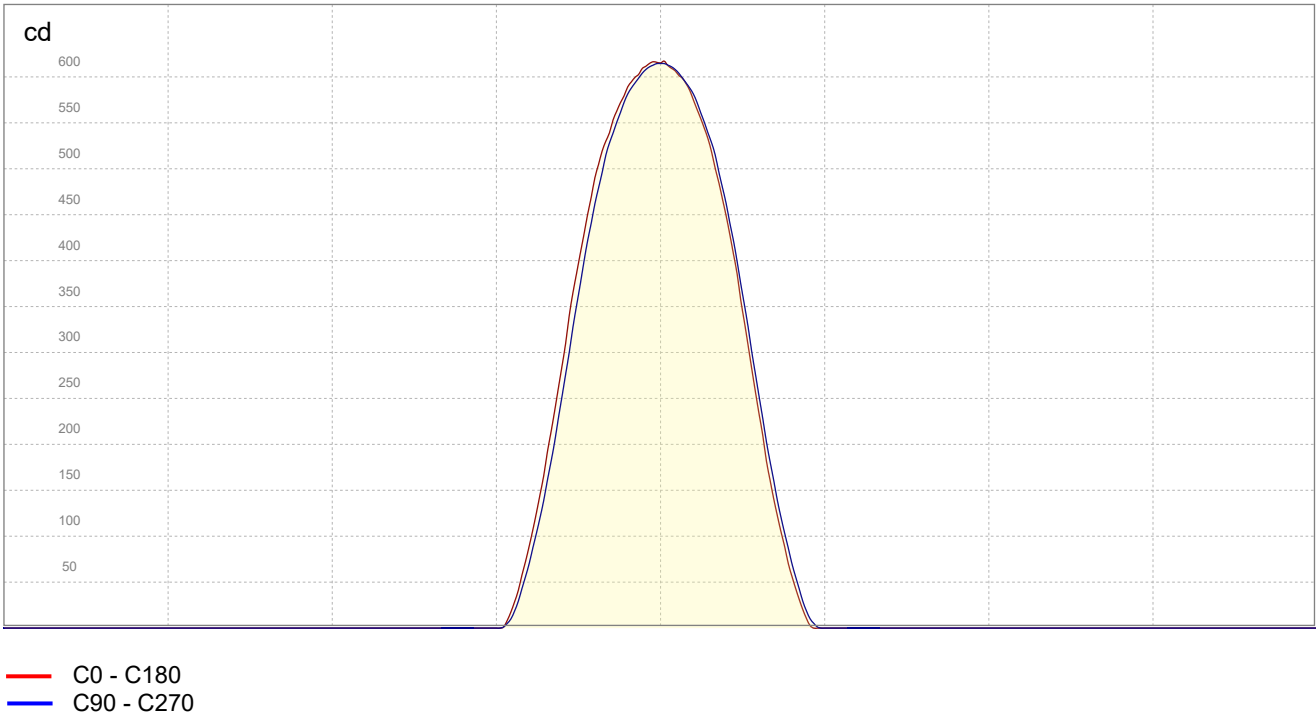


Test report

Light measurement results

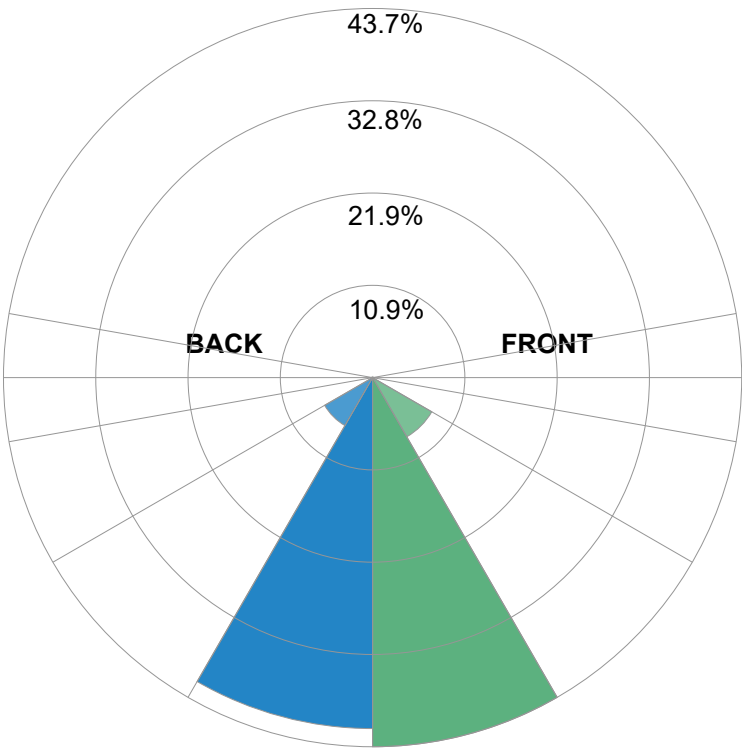
Print date 9/26/2025

Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	172.5	lm	43.7%
Medium (30-60°)	31.9	lm	8.1%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	164	lm	41.6%
Medium (30-60°)	25.9	lm	6.6%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	394	lm	100%
-----	-----	----	------

Test report

Light measurement results

Print date 9/26/2025

Laboratory and Equipment

Test lab
Spectrometer Manufacturer and Model
Measurement date

n/a - serial: n/a sensor serial: n/a
n/a, n/a – n/a
2/9/2025

Measurement Conditions

Tested c-planes
Tested gamma angles
Input Power

5 – distance {C_PLANES_DIST}°
181 – {H_PLANES_DIST}°
12.0 W

Tested Light Source
Luminaire
Basic Luminous Shape
Item No.
Manufacturer

SolaBulb_6500K_50_Degrees
SPOT

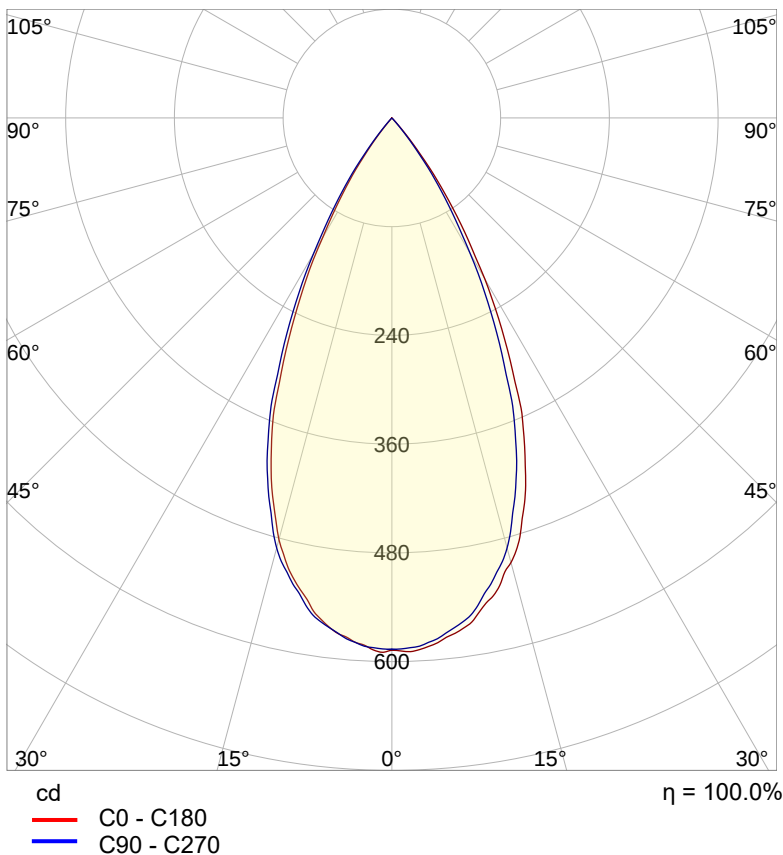
Astera

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity
Correlated Color Temperature, CCT
Color Rendering Index

376 lm – 0% / 100%
31 lm/W
590 cd
6500 K
CRI 0.0

Polar light distribution diagram

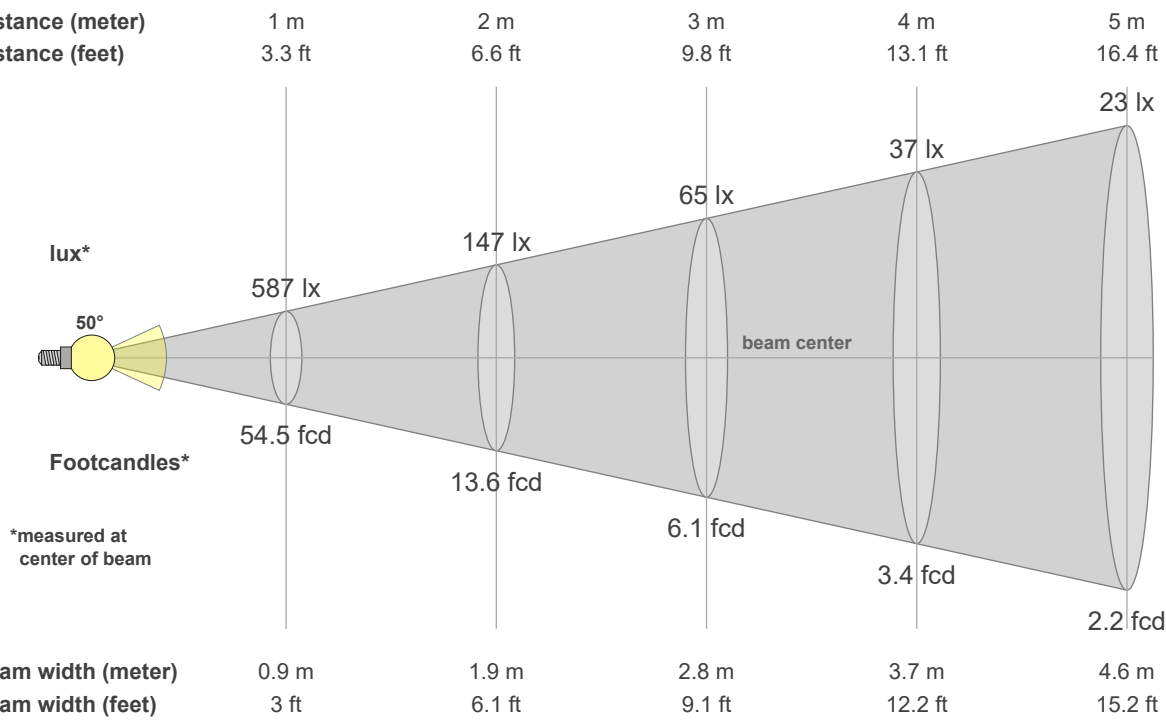


Test report

Light measurement results

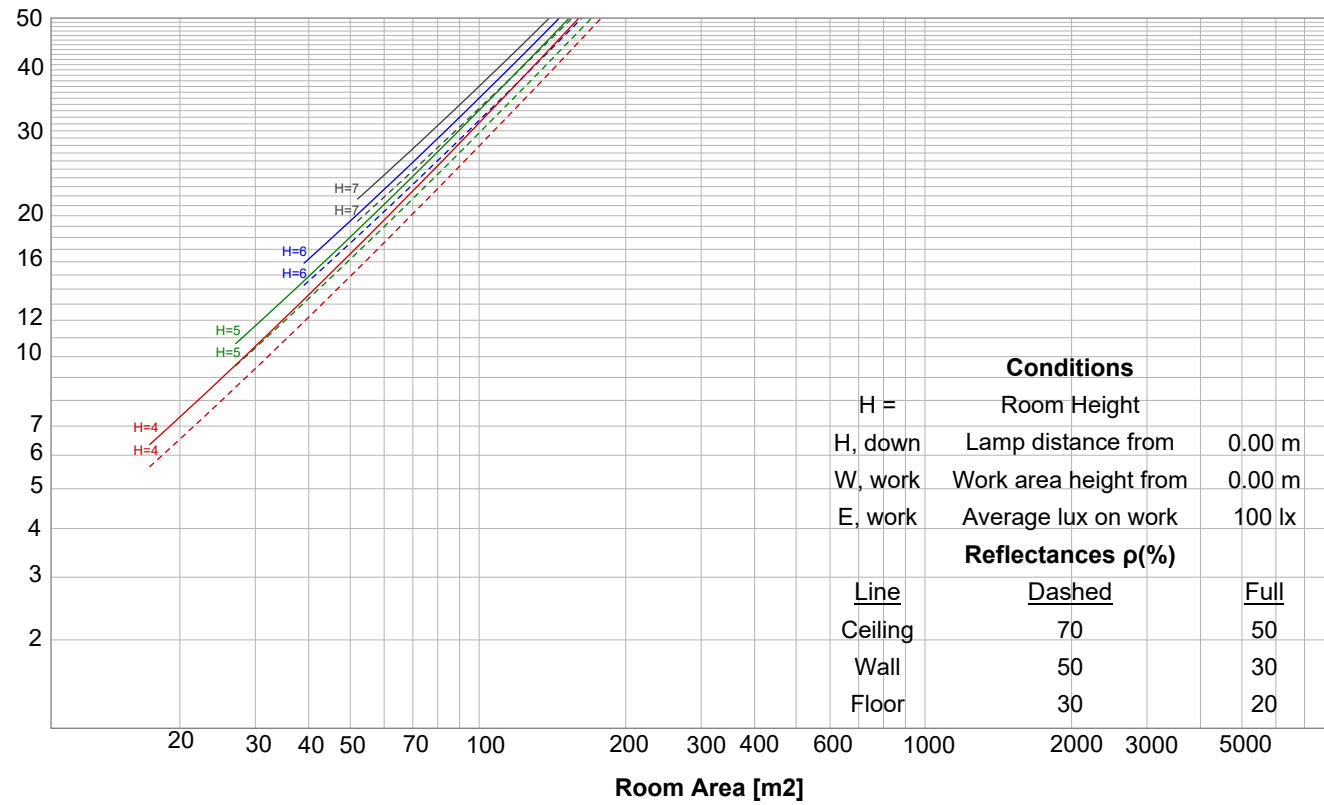
Print date 9/26/2025

Beam details

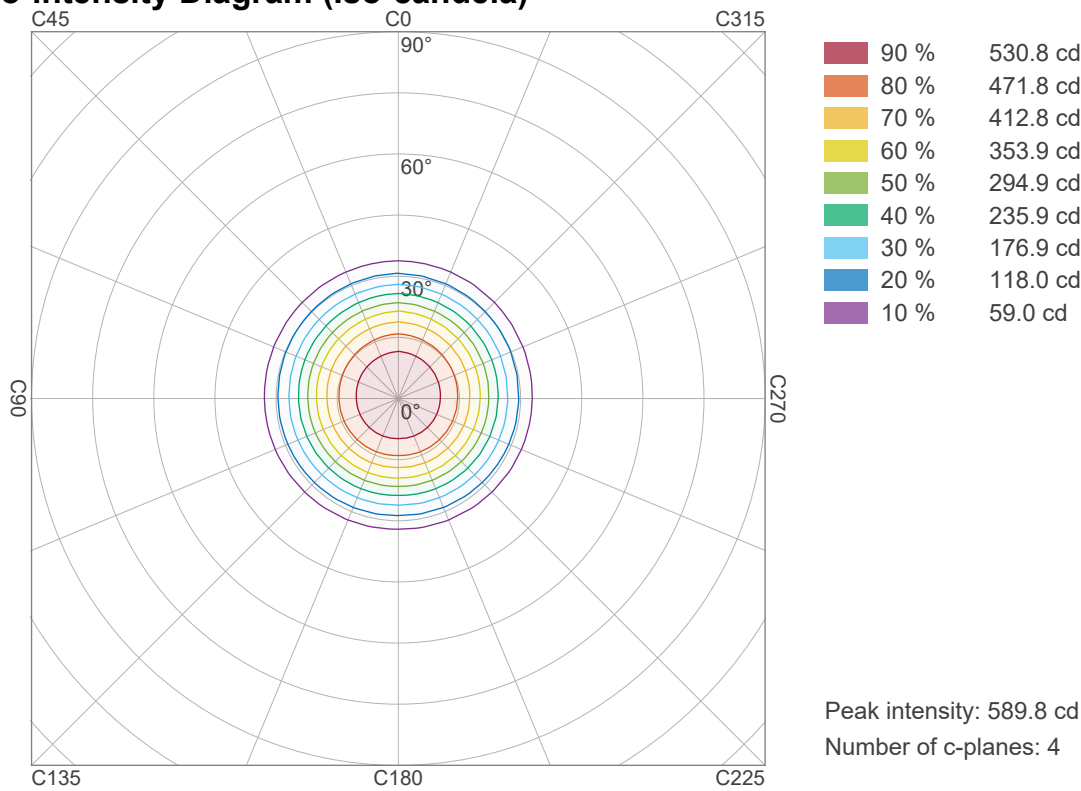


Luminaire budgetary diagram

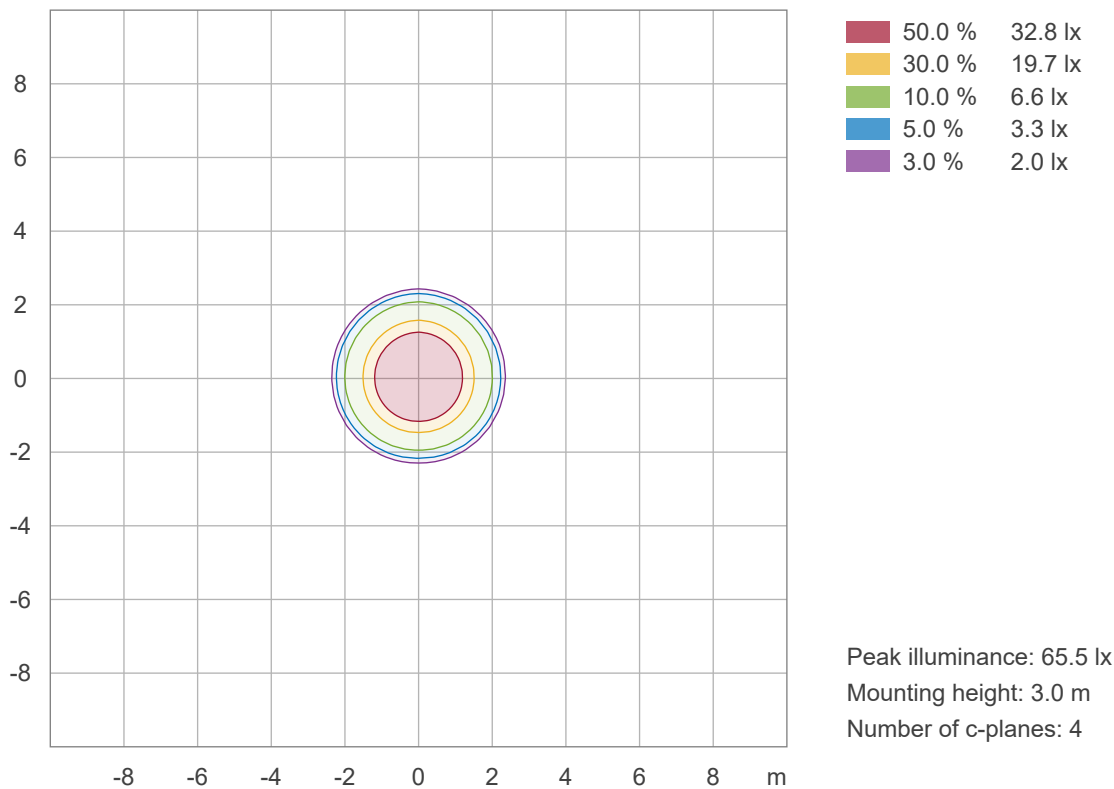
LAMPS (number of lamps)



Iso-intensity Diagram (Iso-candela)



Iso-illuminance Diagram (Iso-lux)

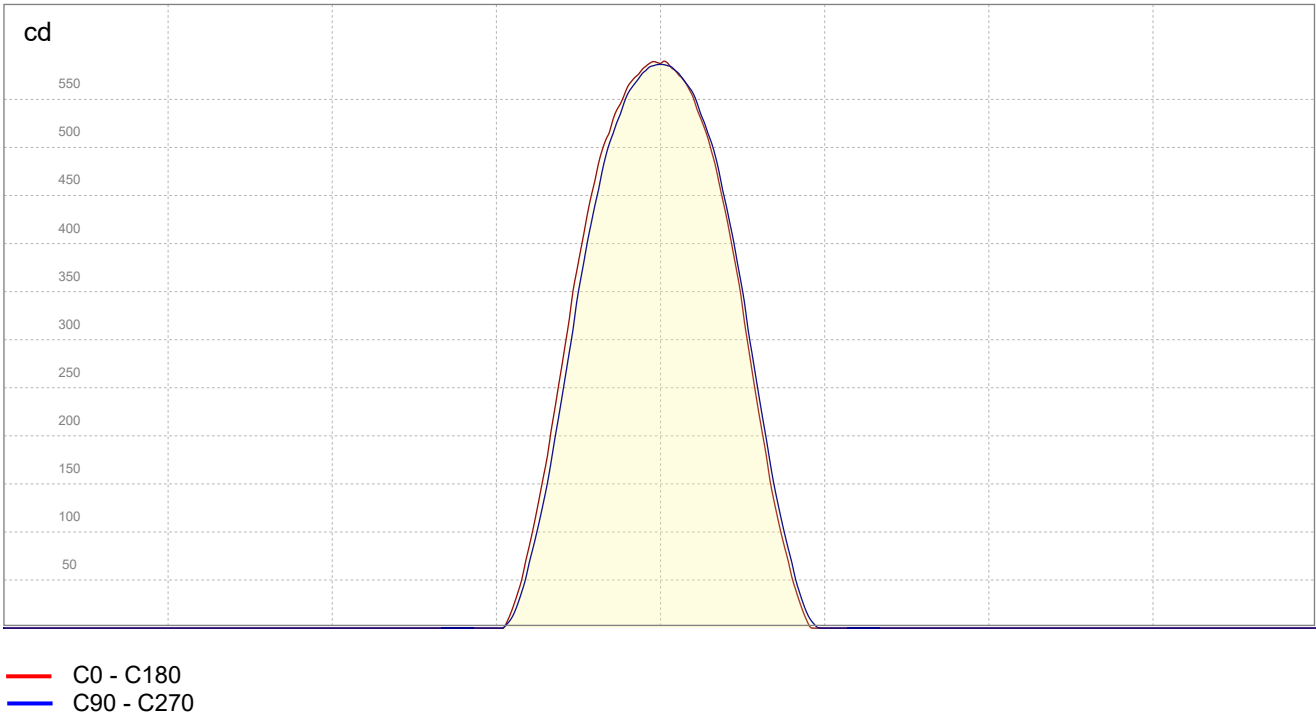


Test report

Light measurement results

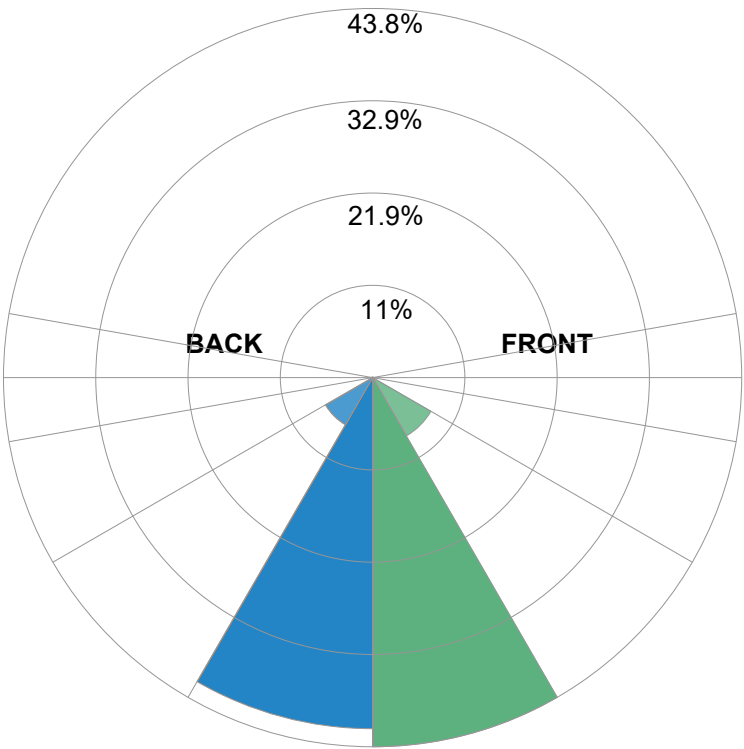
Print date 9/26/2025

Linear intensity distribution



IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U0 G0



Forward Light

Low (0-30°)	164.9	lm	43.8%
Medium (30-60°)	30.1	lm	8%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Back Light

Low (0-30°)	156.9	lm	41.7%
Medium (30-60°)	24.3	lm	6.5%
High (60-80°)	0	lm	0%
Very High	0	lm	0%

Uplight

Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%

Total

Sum	376	lm	100%
-----	-----	----	------