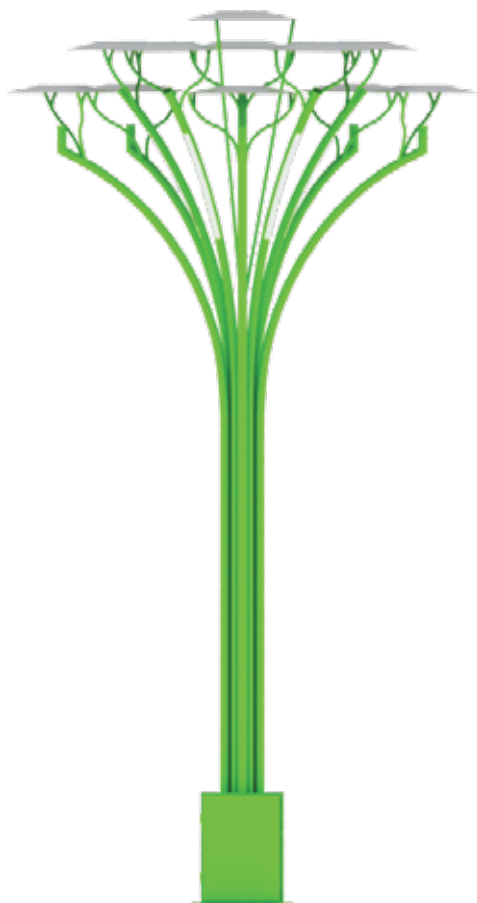


SOLAR TREE

Na2light



DESCRIPTION

Na2light is an urban luminaire that combines an innovative design with LED technology and the latest generation of a photovoltaic system to be fully independent from any energy supply.

TECHNICAL SPECIFICATIONS

Series: Outdoor
Area of use: Urban-Exterior

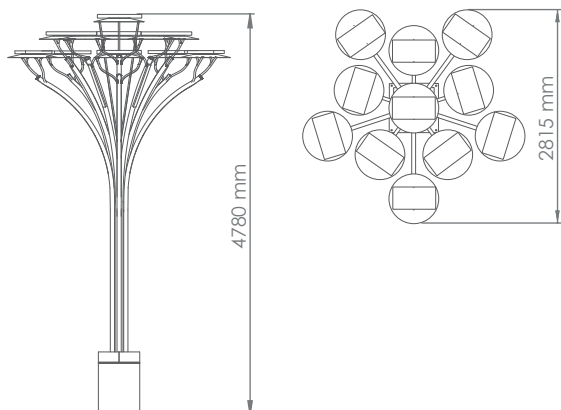
Dimensions
Height: 4.98m
Width: 2.55m

Lamps: dimmable LEDs
Power: 108W
Voltage: 120VAC (with 12V configuration option)
Color temperature: 5000K

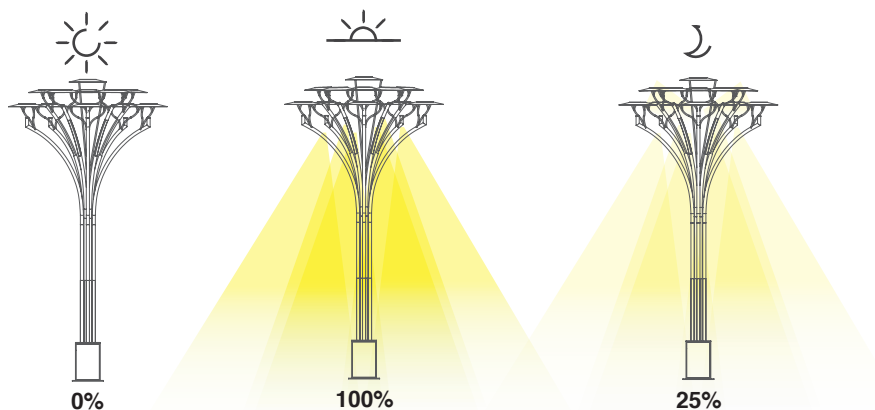
Installed solar charging: 280W

3-day autonomy

TECHNICAL DRAWINGS

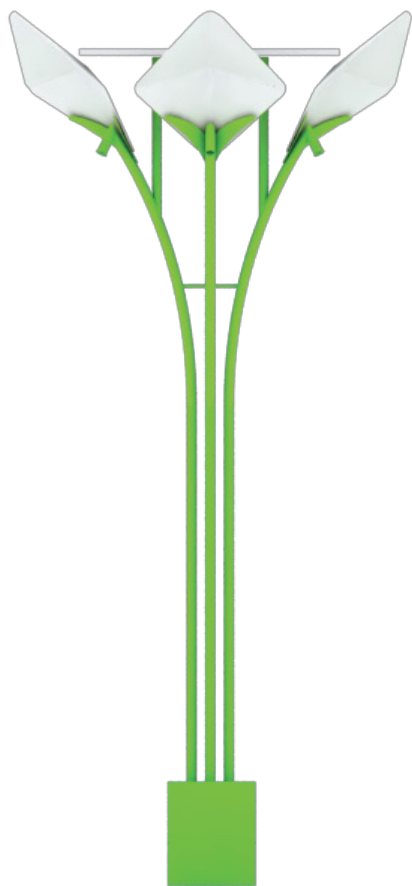


DIMMABLE SYSTEM



SOLAR TREE

Na3light



DESCRIPTION

Na3light is an urban luminaire that combines innovative design with the latest generation and a photovoltaic system to capture the energy needed for the system LED technology.

Consisting of "branches" which are the light through LEDs and at the top are solar panels. The maximum total load is 108W installed.

TECHNICAL SPECIFICATIONS

Series: Outdoor
Area of use: Urban-Exterior

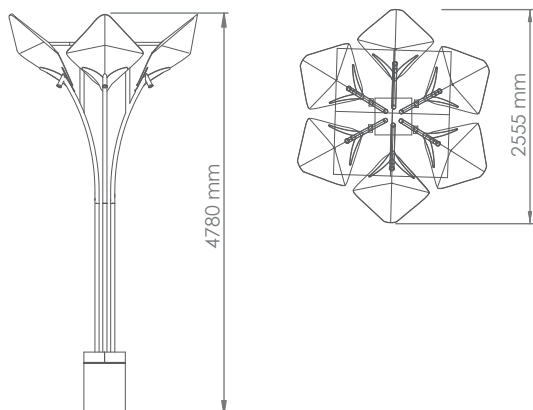
Dimensions
Height: 4.98m
Width: 2.55m

Lamps: dimmable LEDs
Power: 108W
Voltage: 120VAC (with 12V configuration option)
Color temperature: 5000K

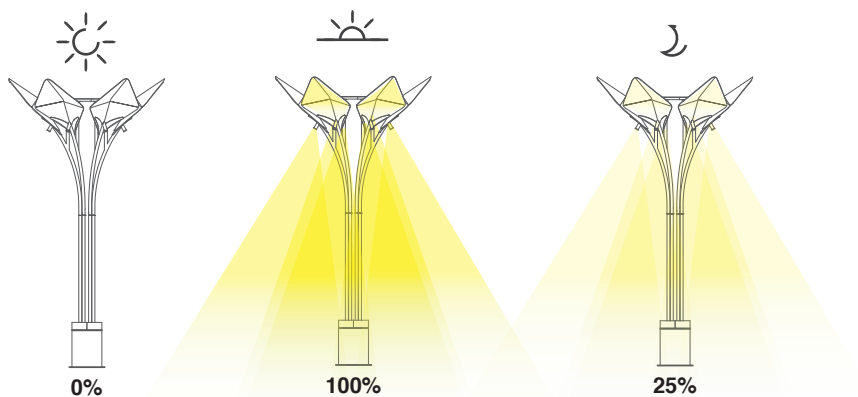
Installed solar charging: 280W

3-day autonomy

TECHNICAL DRAWINGS



DIMMABLE SYSTEM



Na2Light

Contacto:
N° de encargo:
Empresa:
N° de cliente:

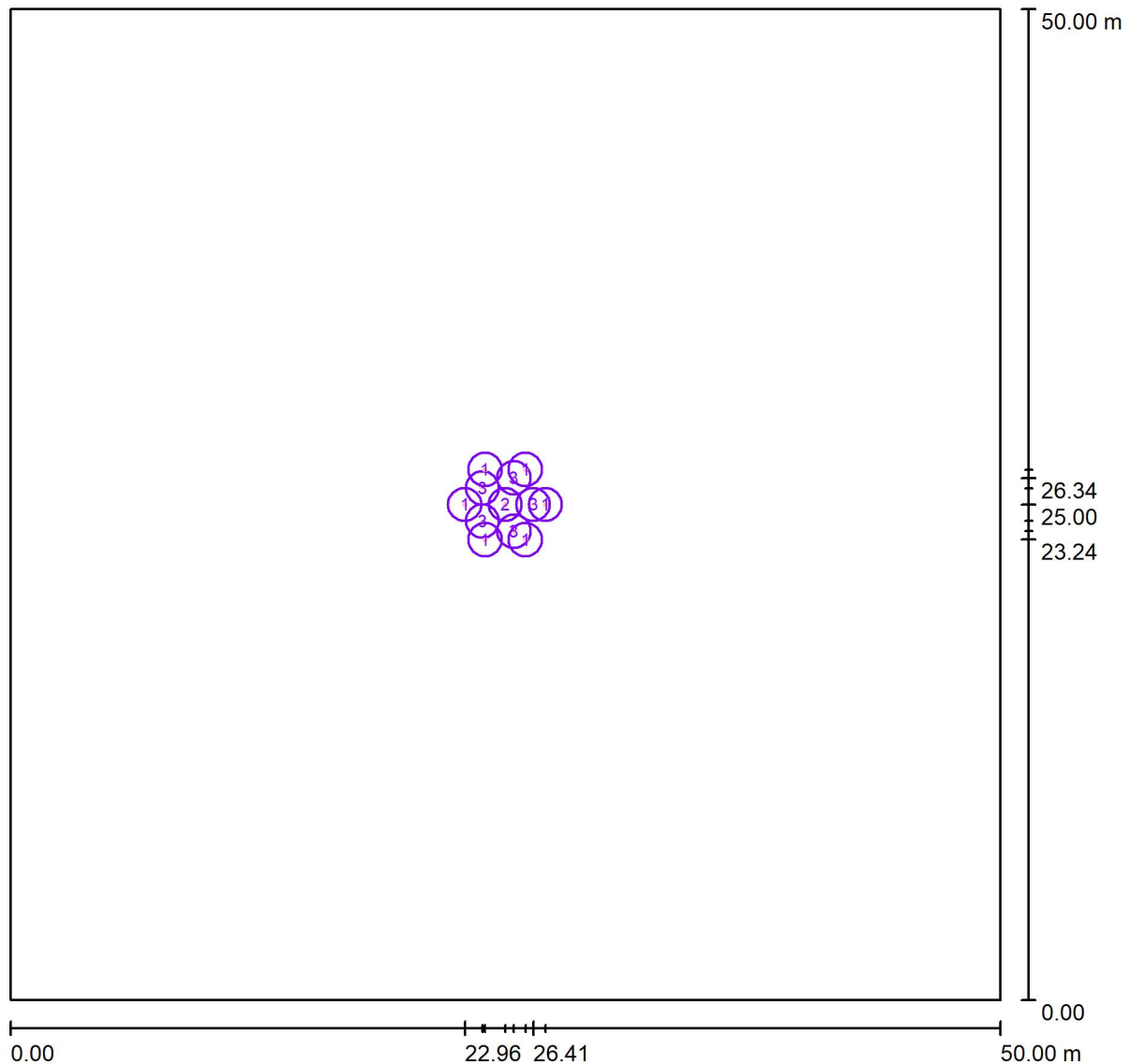
Date: 04.06.2018
Operator: Ing. Jonathan Alvarez



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Operator Ing. Jonathan Alvarez
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Fax
e-Mail jalvarez@energetika.com

Area 2500m2 / Luminaires (layout plan)



Scale 1 : 358

Luminaire Parts List

No.	Pieces	Designation
1	6	MR16-006-D5-W-01 (Type 1)*
2	1	MR16-006-D5-W-01
3	5	iGuzzini illuminazione S.p.A M250 (1.0 M)_LX15 Ledstrip: flexible strip - 5m - 24W 12V LED blanco 3000 K (Type 1)*

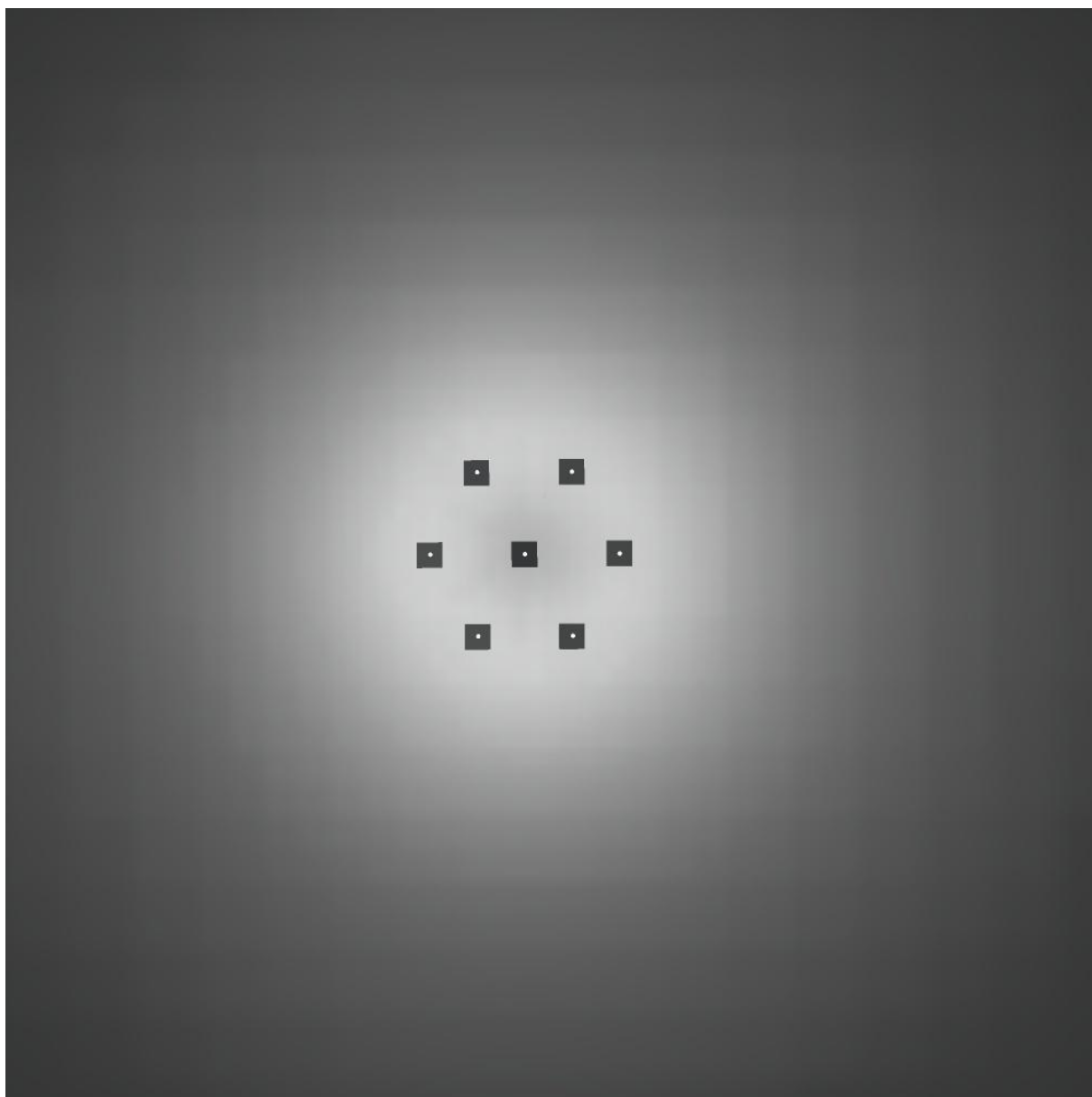
*Modified Technical Specifications



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Area 2500m2 / 3D Rendering





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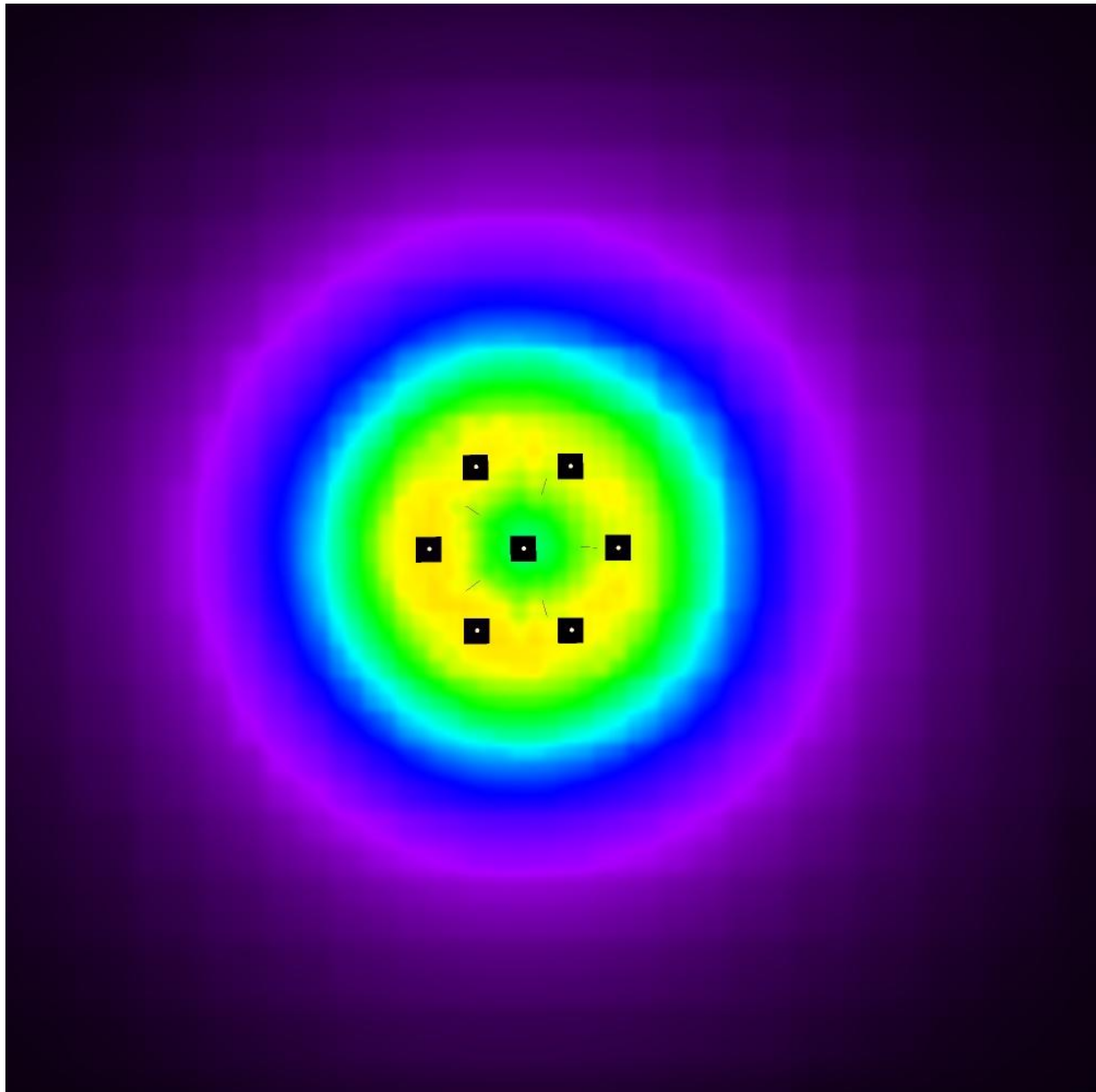
Operator Ing. Jonathan Alvarez

Telephone (55)31853151

Fax

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Area 2500m2 / False Color Rendering



0 0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00

fc

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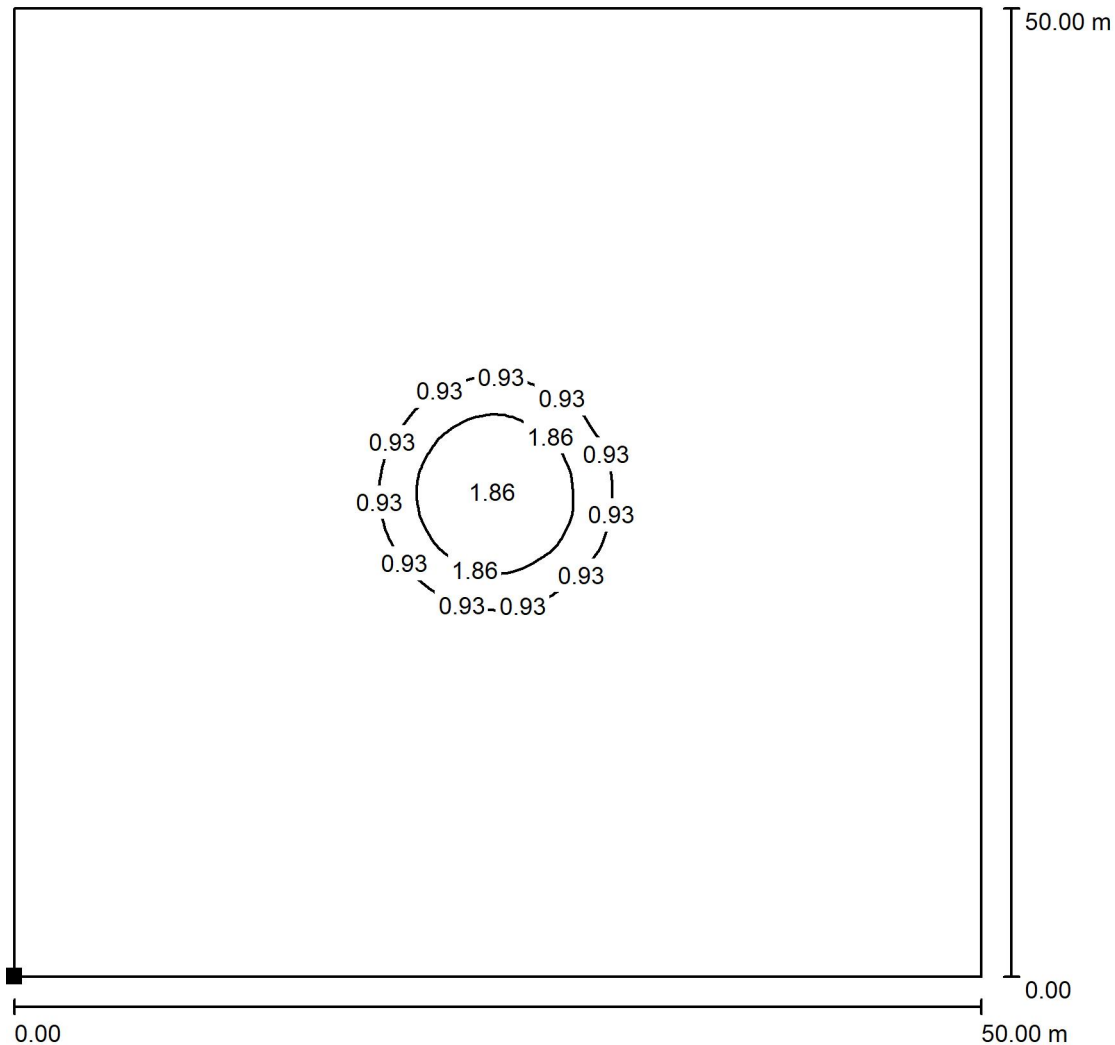
Col. Hipodromo, Cuahutemec, México D.F.

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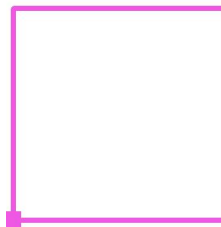
Area 2500m2 / Elemento del suelo 1 / Superficie 1 / Isolines (E)

Values in Footcandles, Scale 1 : 391

Position of surface in external scene:

Marked point:

(0.000 m, 0.000 m, 0.000 m)



Grid: 128 x 128 Points

 E_{av} [fc]
0.15

 E_{min} [fc]
0.00

 E_{max} [fc]
2.65

 u_0
0.031

 E_{min} / E_{max}
0.002

Energetika Sustentable y Ecologica SA de CV

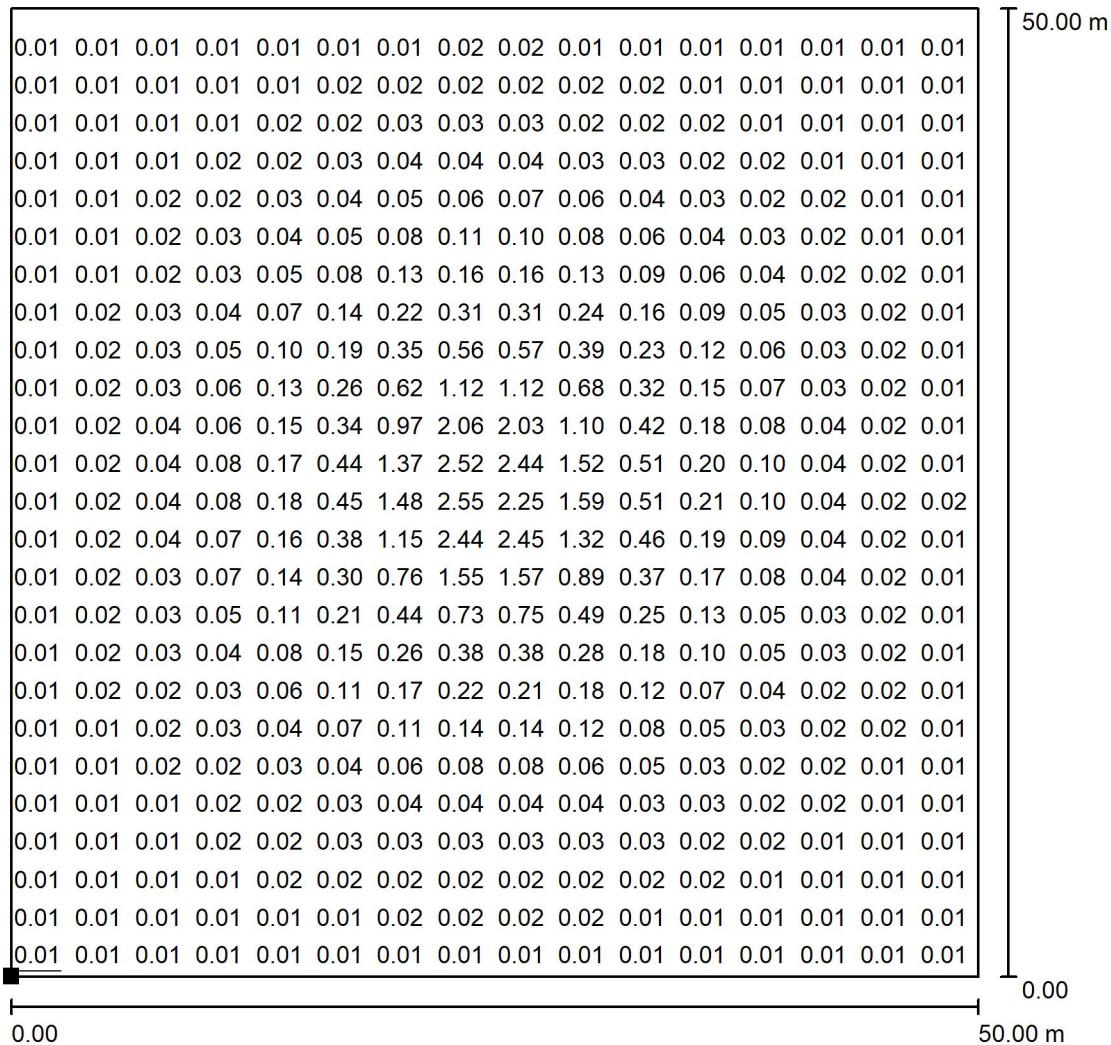
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Area 2500m2 / Elemento del suelo 1 / Superficie 1 / Value Chart (E)

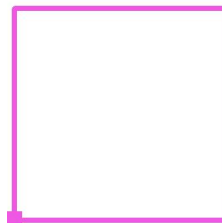
Values in Footcandles, Scale 1 : 391

Not all calculated values could be displayed.

Position of surface in external scene:

Marked point:

(0.000 m, 0.000 m, 0.000 m)



Grid: 128 x 128 Points

 E_{av} [fc]
0.15

 E_{min} [fc]
0.00

 E_{max} [fc]
2.65

 u_0
0.031

 E_{min} / E_{max}
0.002



Energetika Sustentable y Ecologica SA de CV

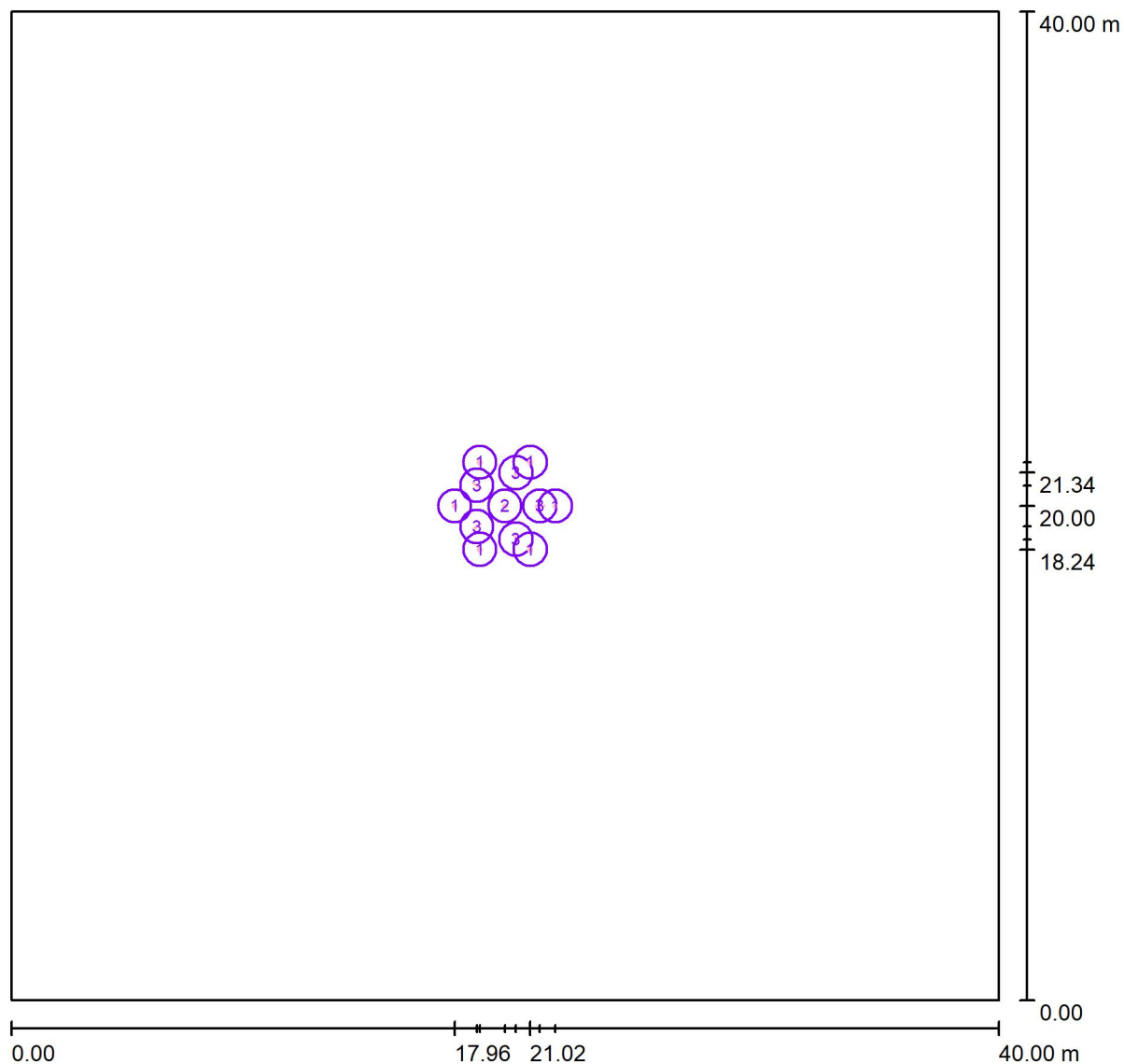
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Area 1600m2 / Luminaires (layout plan)

Scale 1 : 286

Luminaire Parts List

No.	Pieces	Designation
1	6	MR16-006-D5-W-01 (Type 1)*
2	1	MR16-006-D5-W-01
3	5	iGuzzini illuminazione S.p.A M250 (1.0 M)_LX15 Ledstrip: flexible strip - 5m - 24W 12V LED blanco 3000 K (Type 1)*

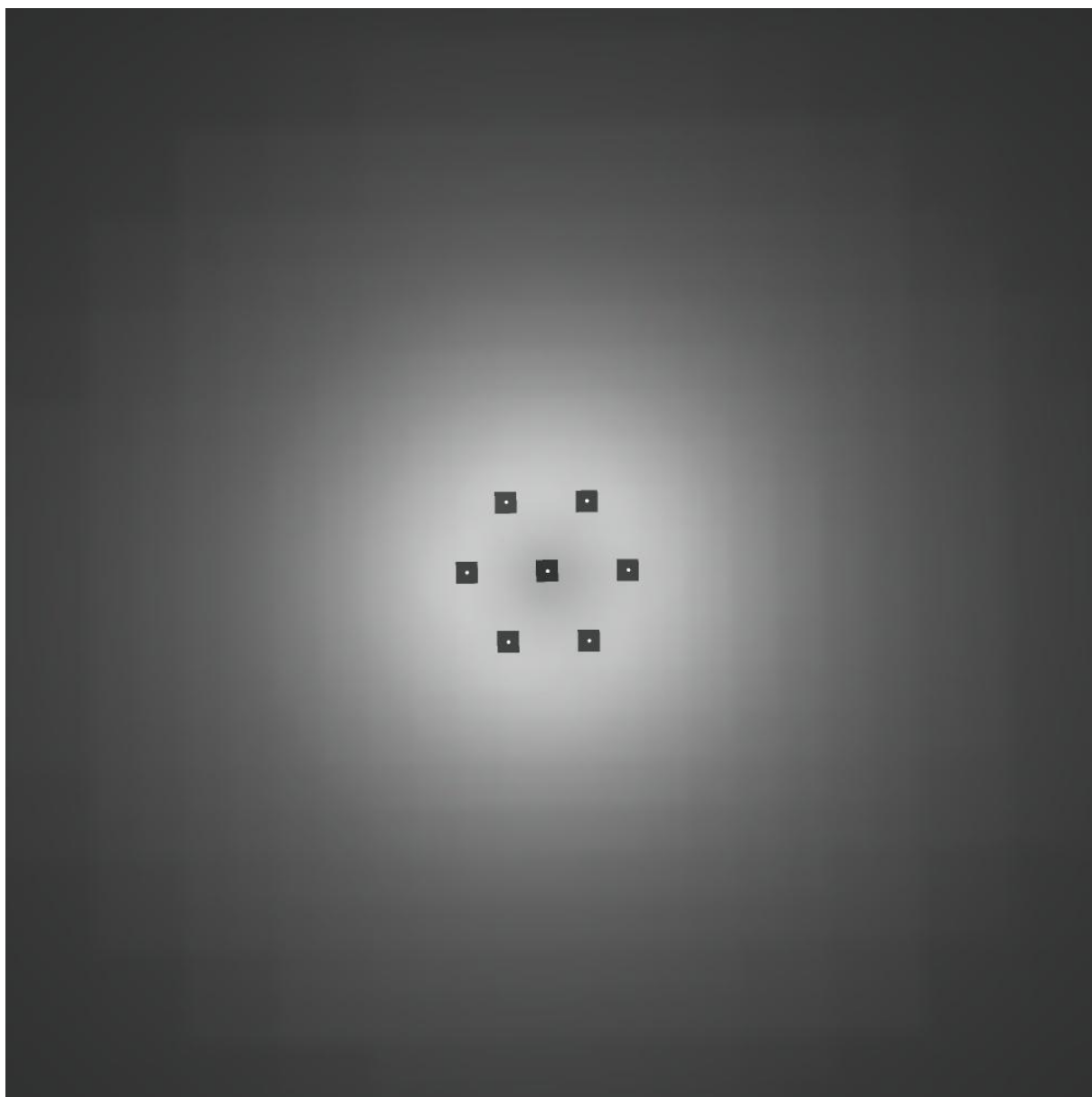
*Modified Technical Specifications



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Area 1600m2 / 3D Rendering



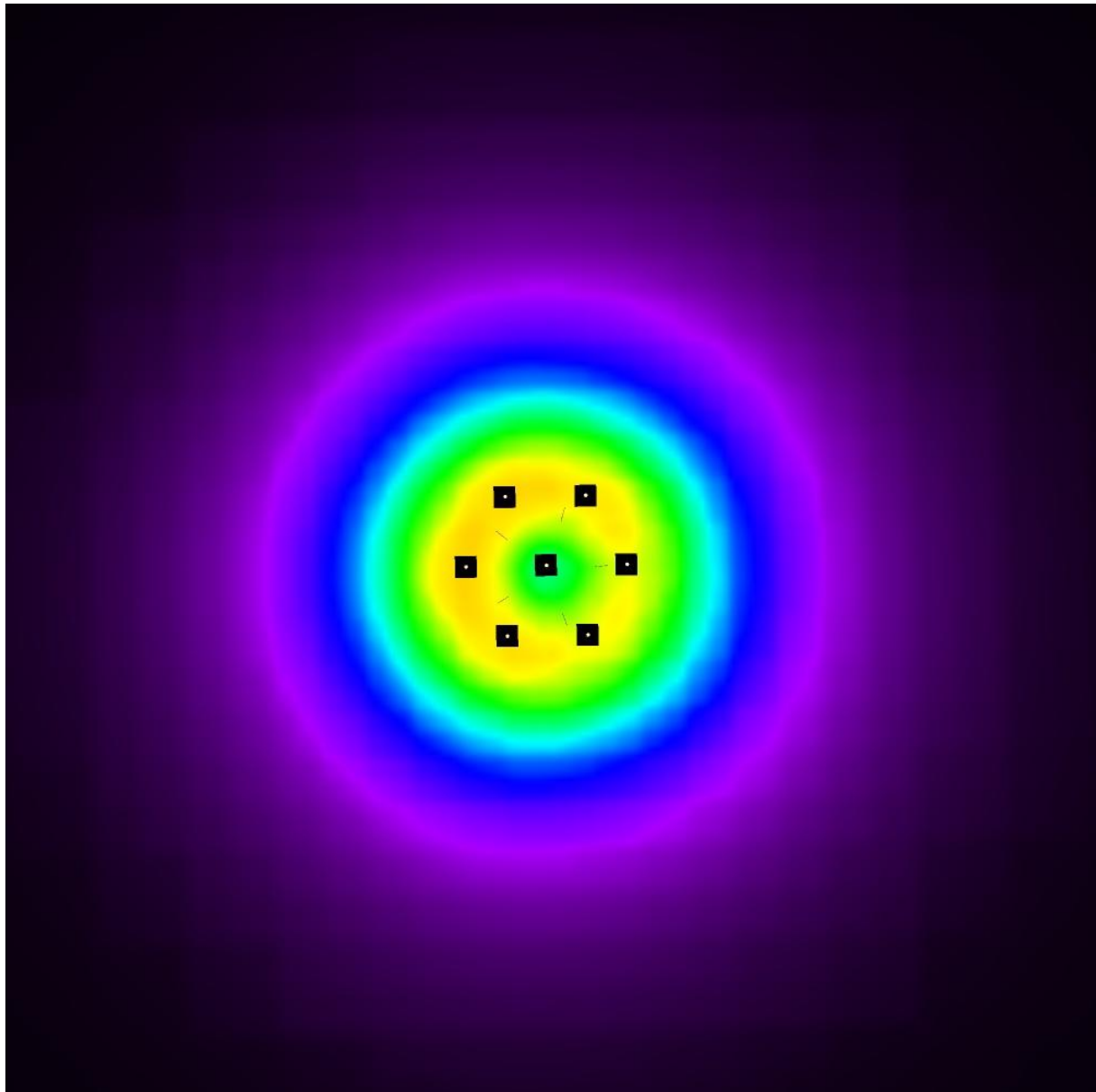


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Area 1600m2 / False Color Rendering



0 0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00

fc

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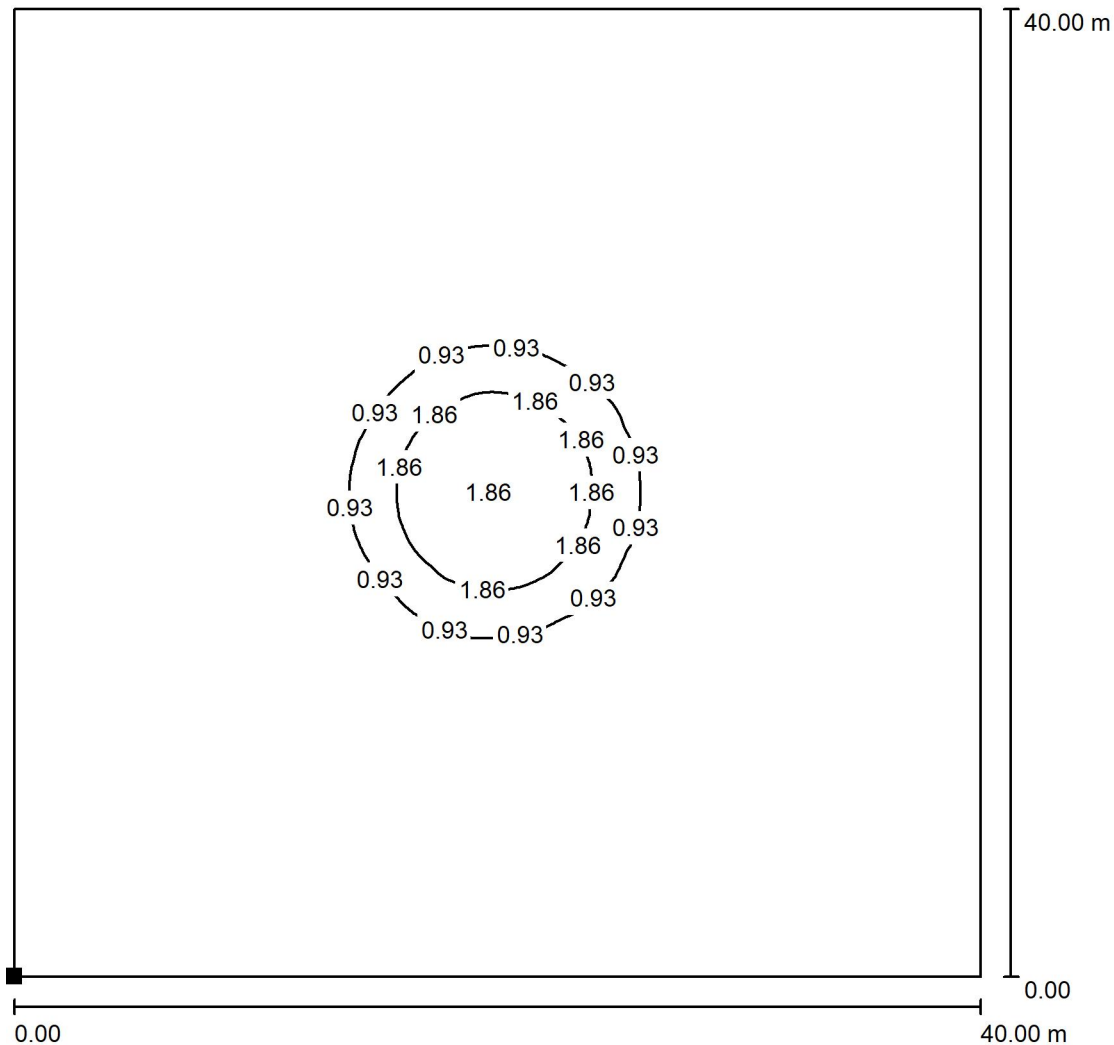
Col. Hipodromo, Cuahutemec, México D.F.

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Telephone (55)31853151

Fax

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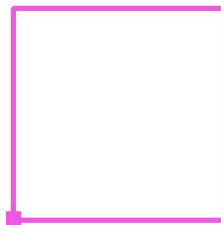
Area 1600m2 / Elemento del suelo 1 / Superficie 1 / Isolines (E)

Values in Footcandles, Scale 1 : 313

Position of surface in external scene:

Marked point:

(0.000 m, 0.000 m, 0.000 m)



Grid: 128 x 128 Points

 E_{av} [fc]
0.23

 E_{min} [fc]
0.01

 E_{max} [fc]
2.75

 u_0
0.040

 E_{min} / E_{max}
0.003

Energetika Sustentable y Ecologica SA de CV

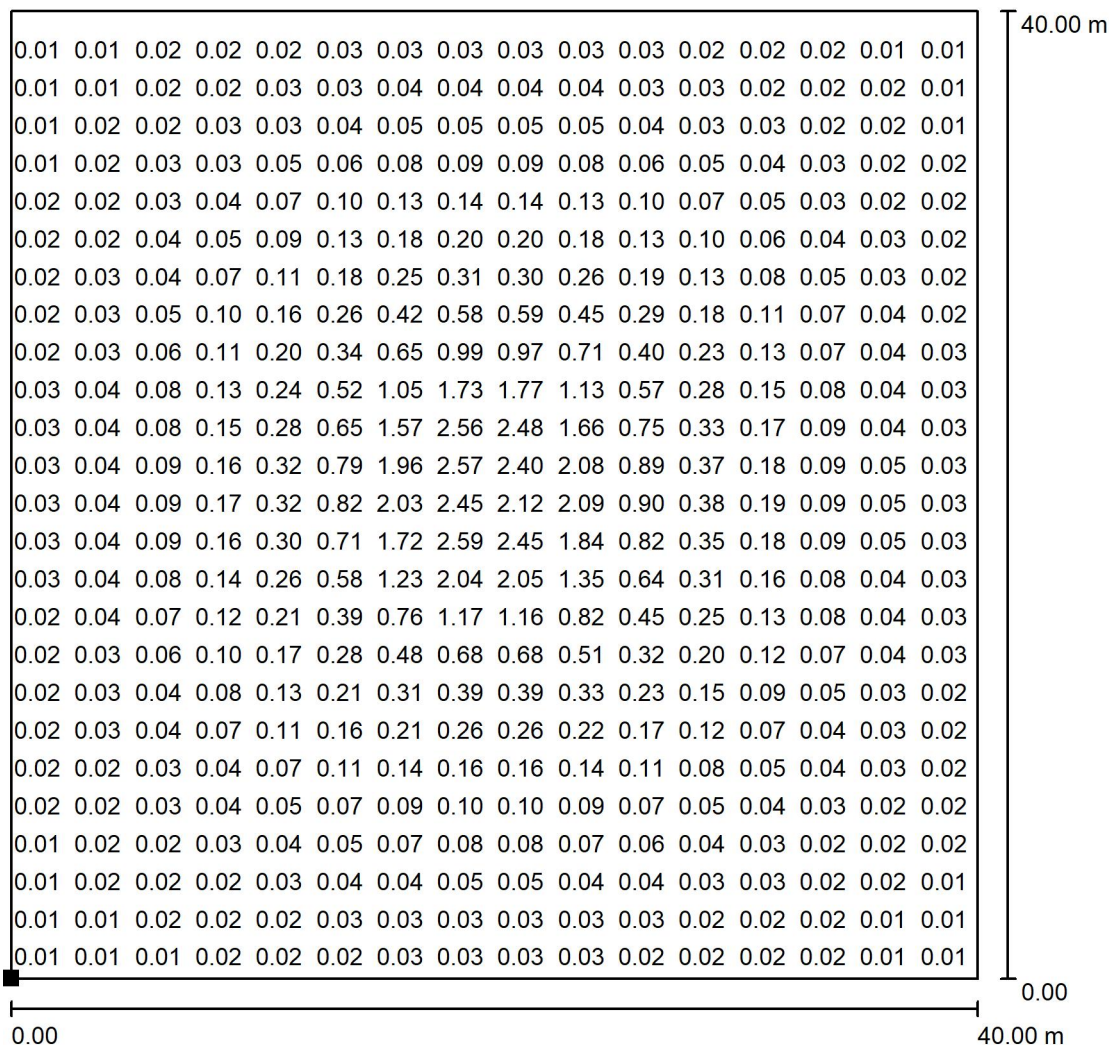
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Area 1600m2 / Elemento del suelo 1 / Superficie 1 / Value Chart (E)

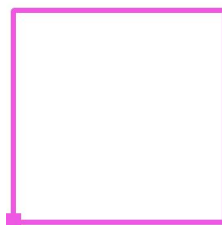
Values in Footcandles, Scale 1 : 313

Not all calculated values could be displayed.

Position of surface in external scene:

Marked point:

(0.000 m, 0.000 m, 0.000 m)



Grid: 128 x 128 Points

 E_{av} [fc]
0.23

 E_{min} [fc]
0.01

 E_{max} [fc]
2.75

 u_0
0.040

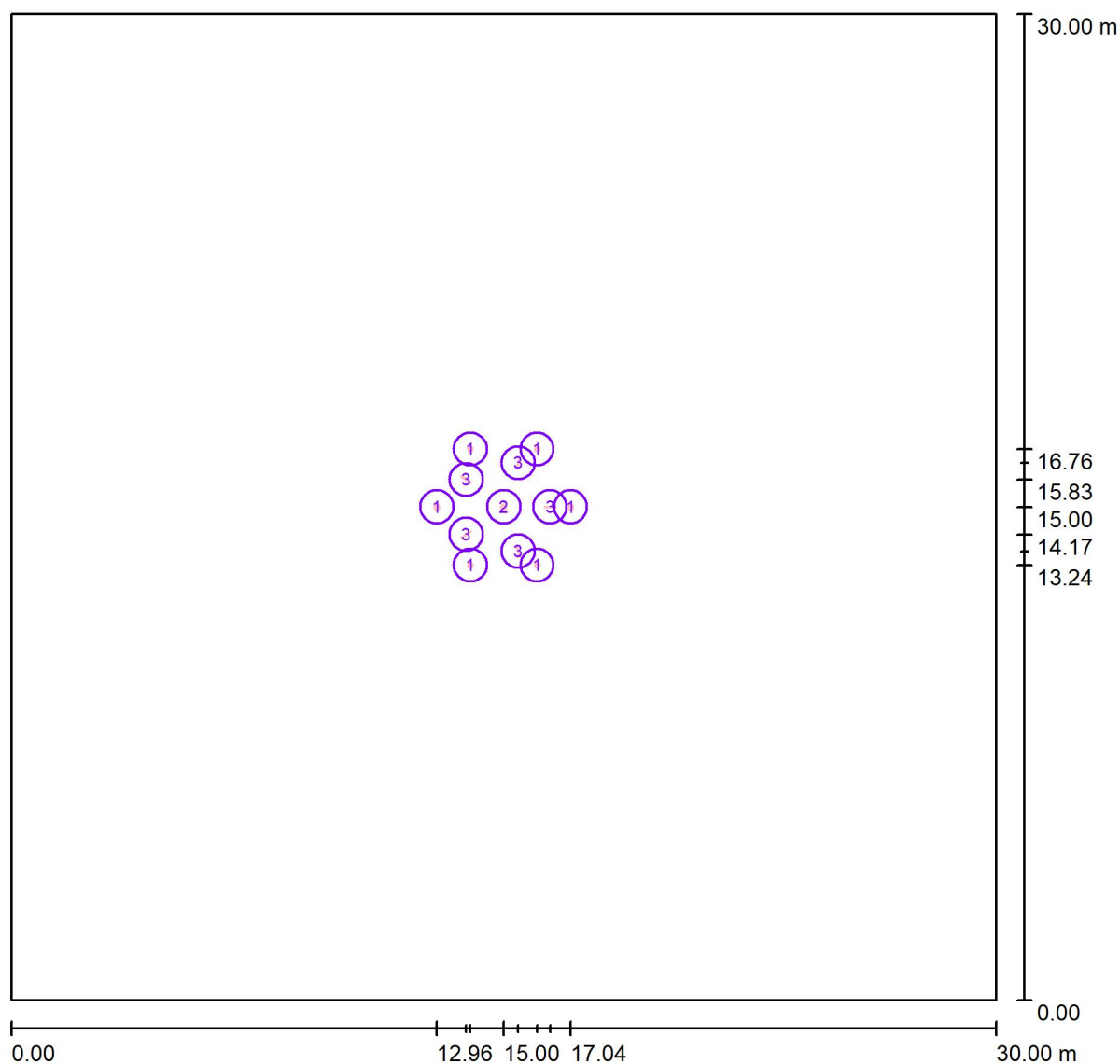
 E_{min} / E_{max}
0.003



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Area 900m2 / Luminaires (layout plan)

Scale 1 : 215

Luminaire Parts List

No.	Pieces	Designation
1	6	MR16-006-D5-W-01 (Type 1)*
2	1	MR16-006-D5-W-01
3	5	iGuzzini illuminazione S.p.A M250 (1.0 M)_LX15 Ledstrip: flexible strip - 5m - 24W 12V LED blanco 3000 K (Type 1)*

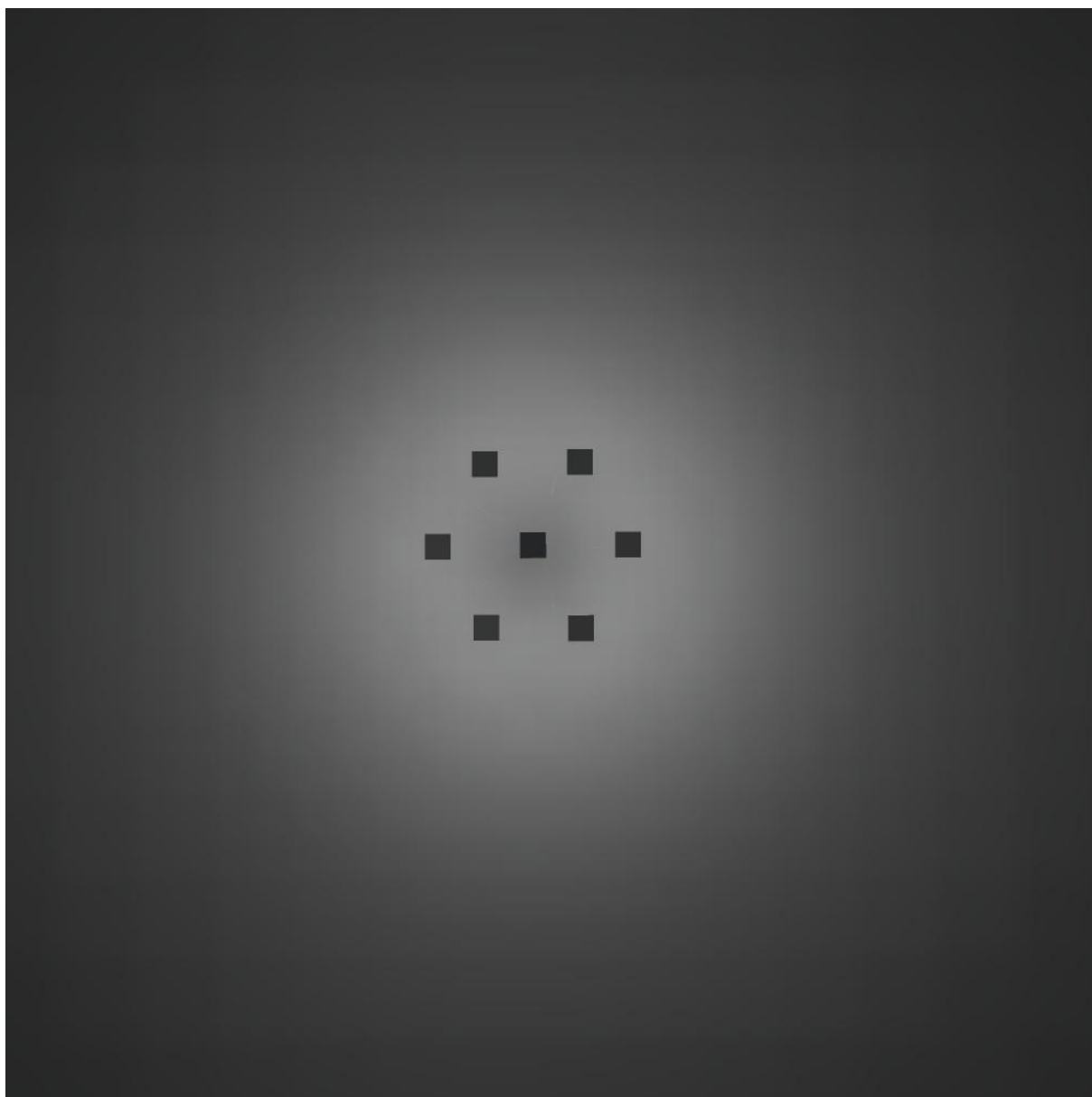
*Modified Technical Specifications



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Area 900m2 / 3D Rendering



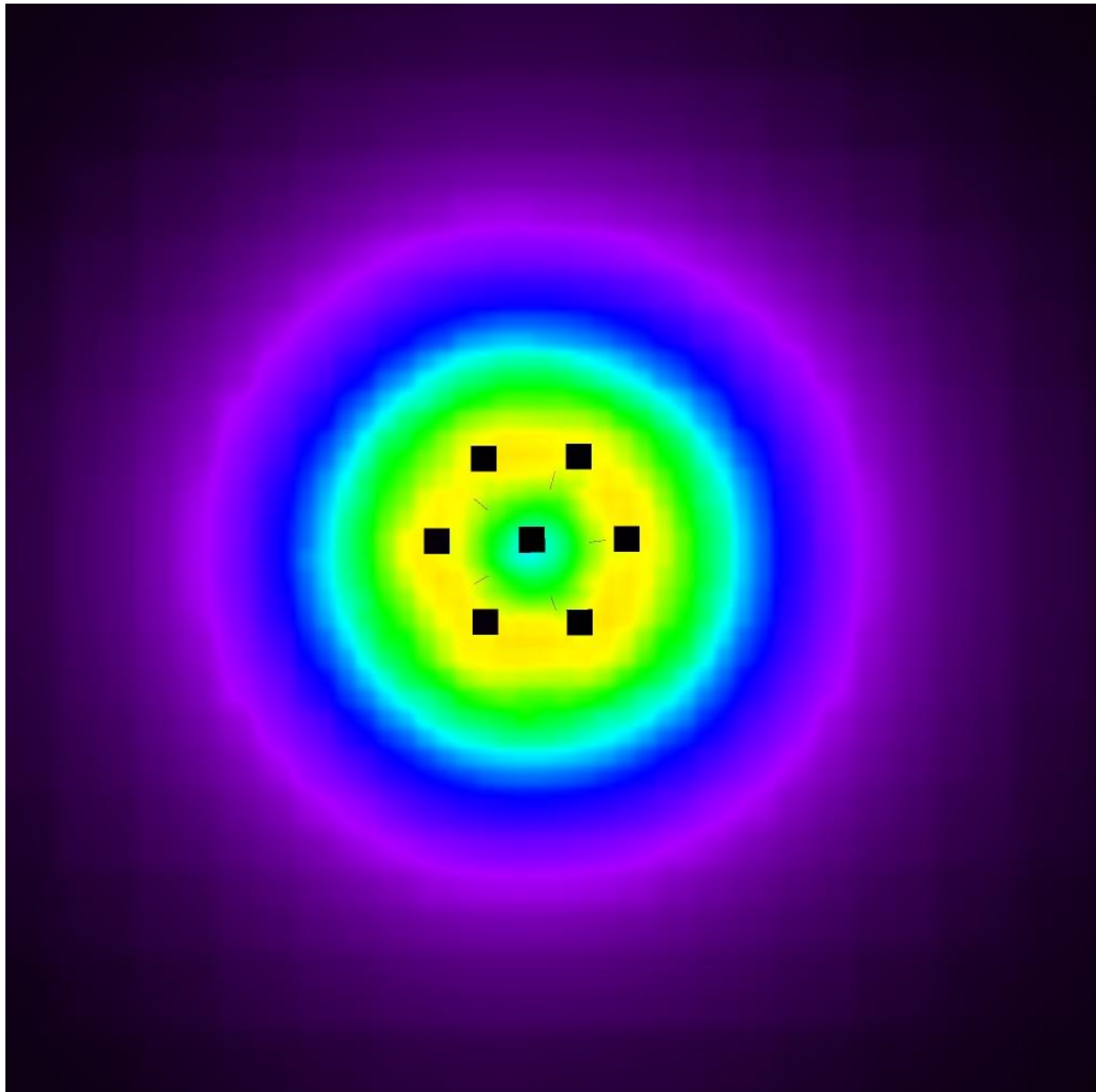


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Area 900m2 / False Color Rendering



0 0.50 1.00 1.50 2.00 2.50 3.00 3.50 4.00

fc

Energetika Sustentable y Ecologica SA de CV

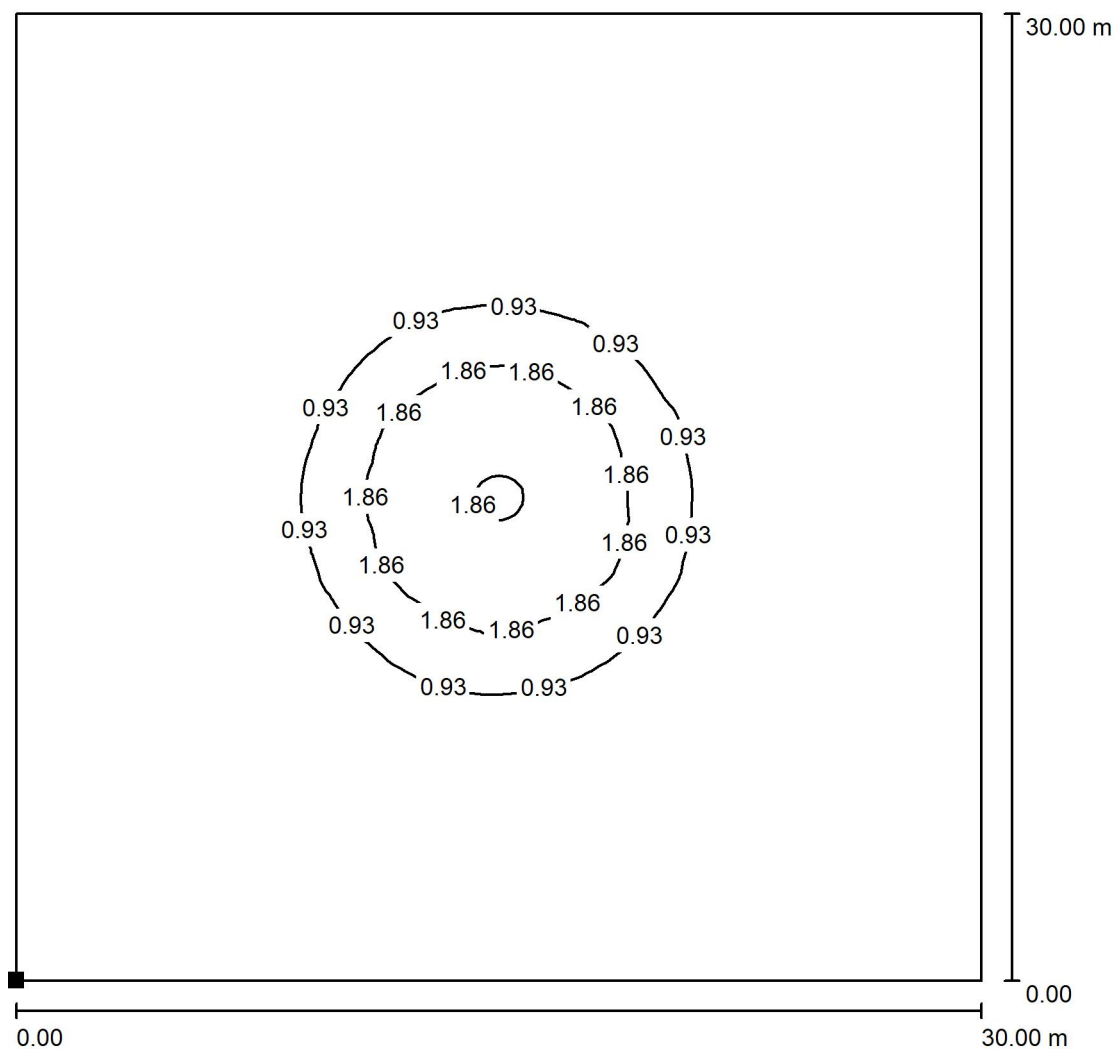
Col. Hipodromo, Cuahutemec, México D.F.

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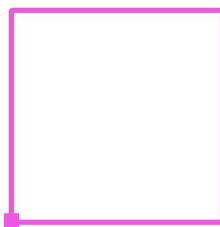
Area 900m2 / Elemento del suelo 1 / Superficie 1 / Isolines (E)

Values in Footcandles, Scale 1 : 235

Position of surface in external scene:

Marked point:

(0.000 m, 0.000 m, 0.000 m)



Grid: 128 x 128 Points

 E_{av} [fc]
0.40

 E_{min} [fc]
0.02

 E_{max} [fc]
2.66

 u_0
0.055

 E_{min} / E_{max}
0.008

Energetika Sustentable y Ecologica SA de CV

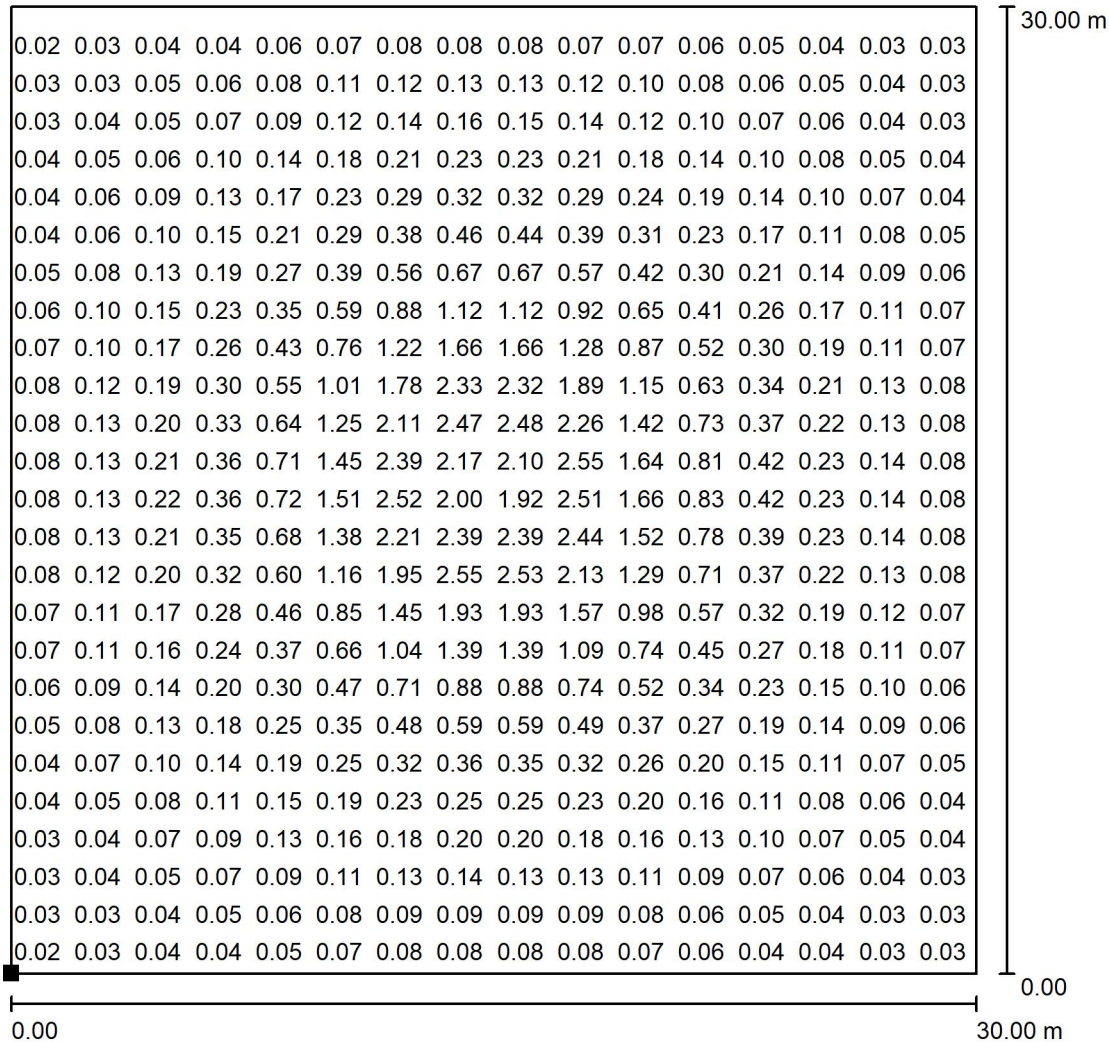
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Telephone (55)31853151

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e-Mail jalvarez@energetika.com

Area 900m2 / Elemento del suelo 1 / Superficie 1 / Value Chart (E)

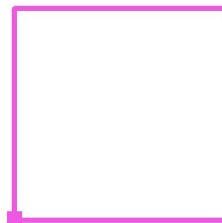
Values in Footcandles, Scale 1 : 235

Not all calculated values could be displayed.

Position of surface in external scene:

Marked point:

(0.000 m, 0.000 m, 0.000 m)



Grid: 128 x 128 Points

 E_{av} [fc]
0.40

 E_{min} [fc]
0.02

 E_{max} [fc]
2.66

 u_0
0.055

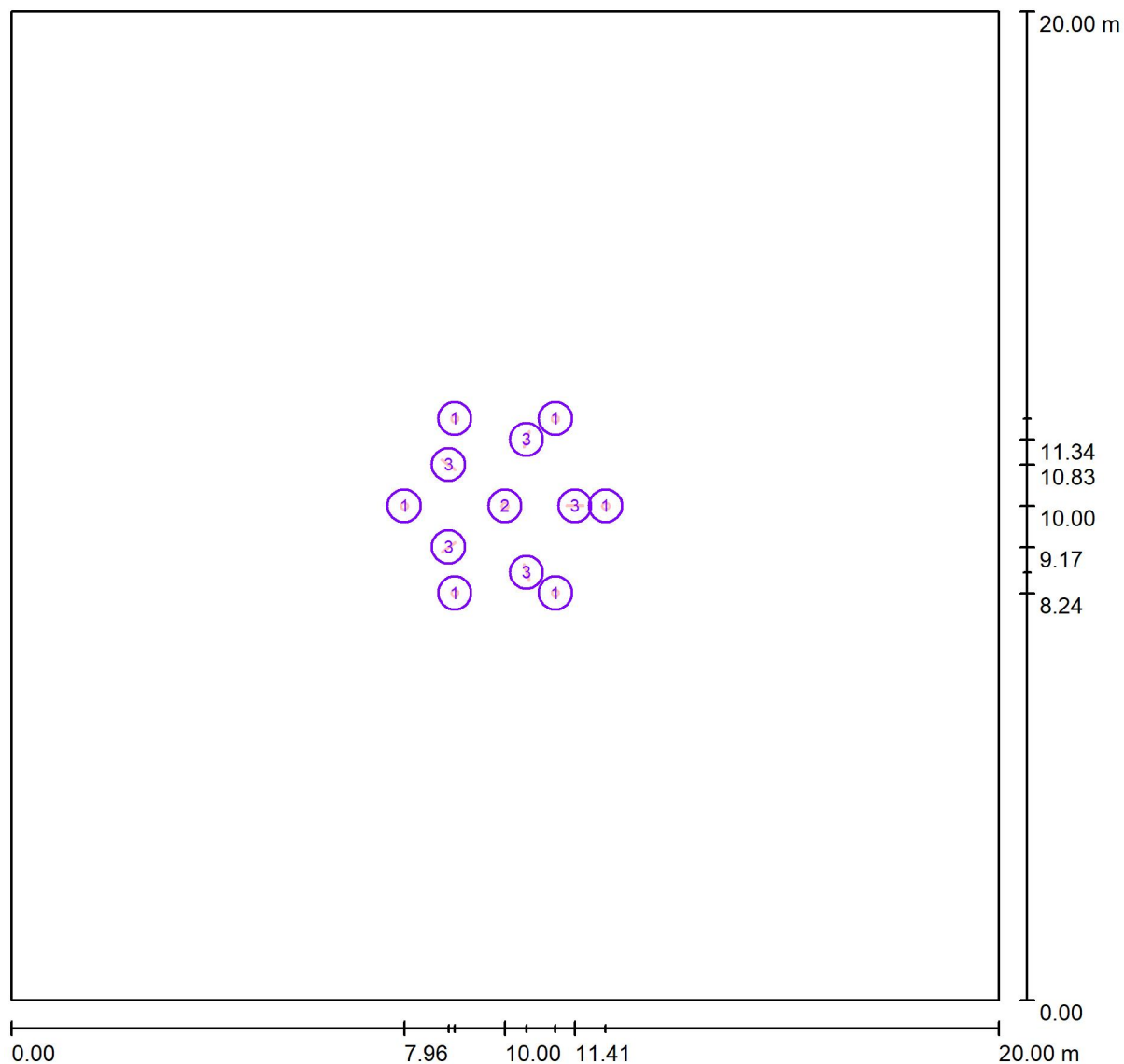
 E_{min} / E_{max}
0.008



Energetika Sustentable y Ecologica SA de CV

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Area 400m2 / Luminaires (layout plan)

Scale 1 : 143

Luminaire Parts List

No.	Pieces	Designation
1	6	MR16-006-D5-W-01 (Type 1)*
2	1	MR16-006-D5-W-01
3	5	iGuzzini illuminazione S.p.A M250 (1.0 M)_LX15 Ledstrip: flexible strip - 5m - 24W 12V LED blanco 3000 K (Type 1)*

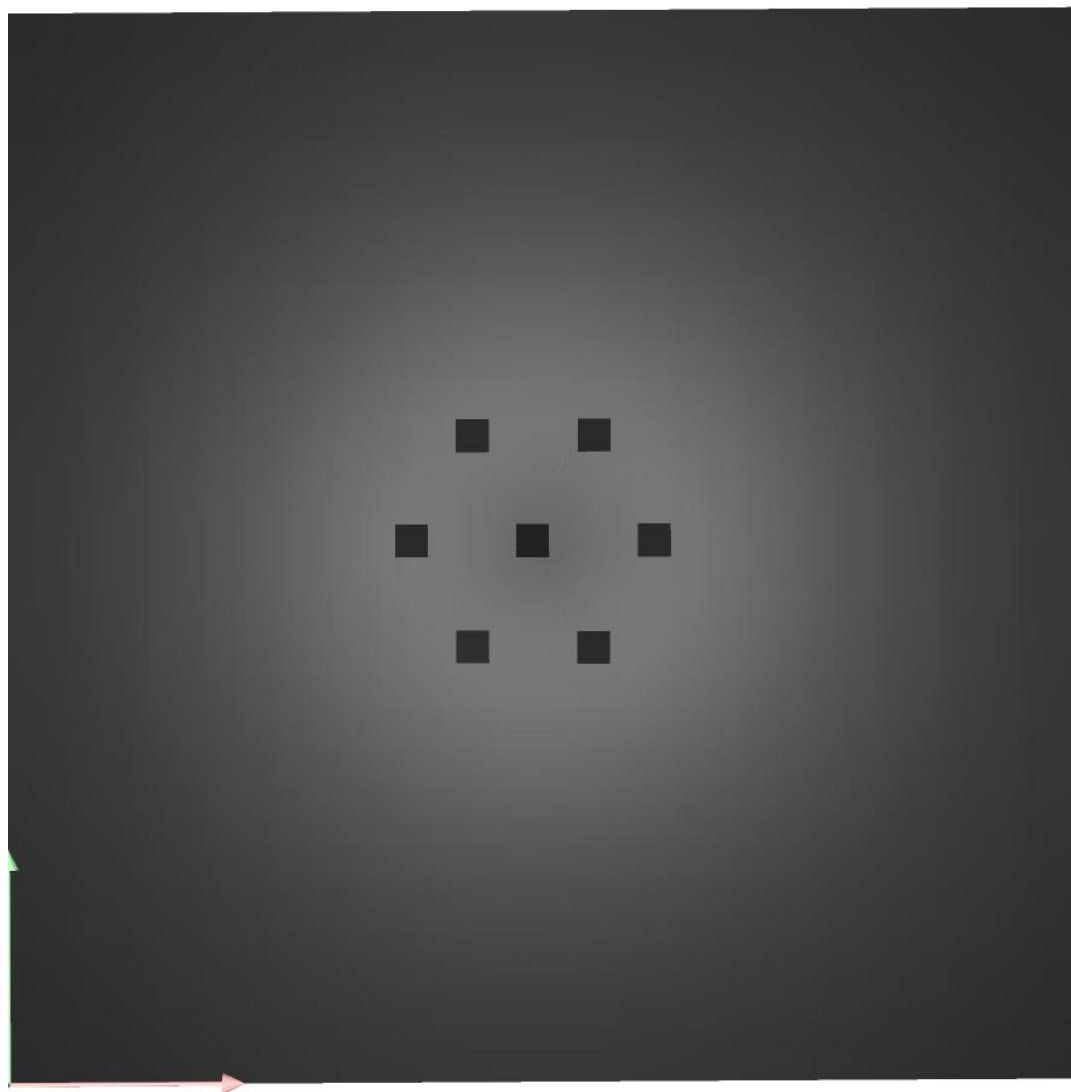
*Modified Technical Specifications



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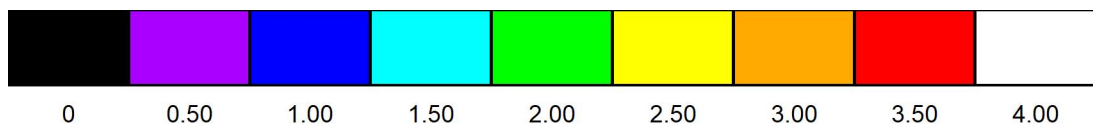
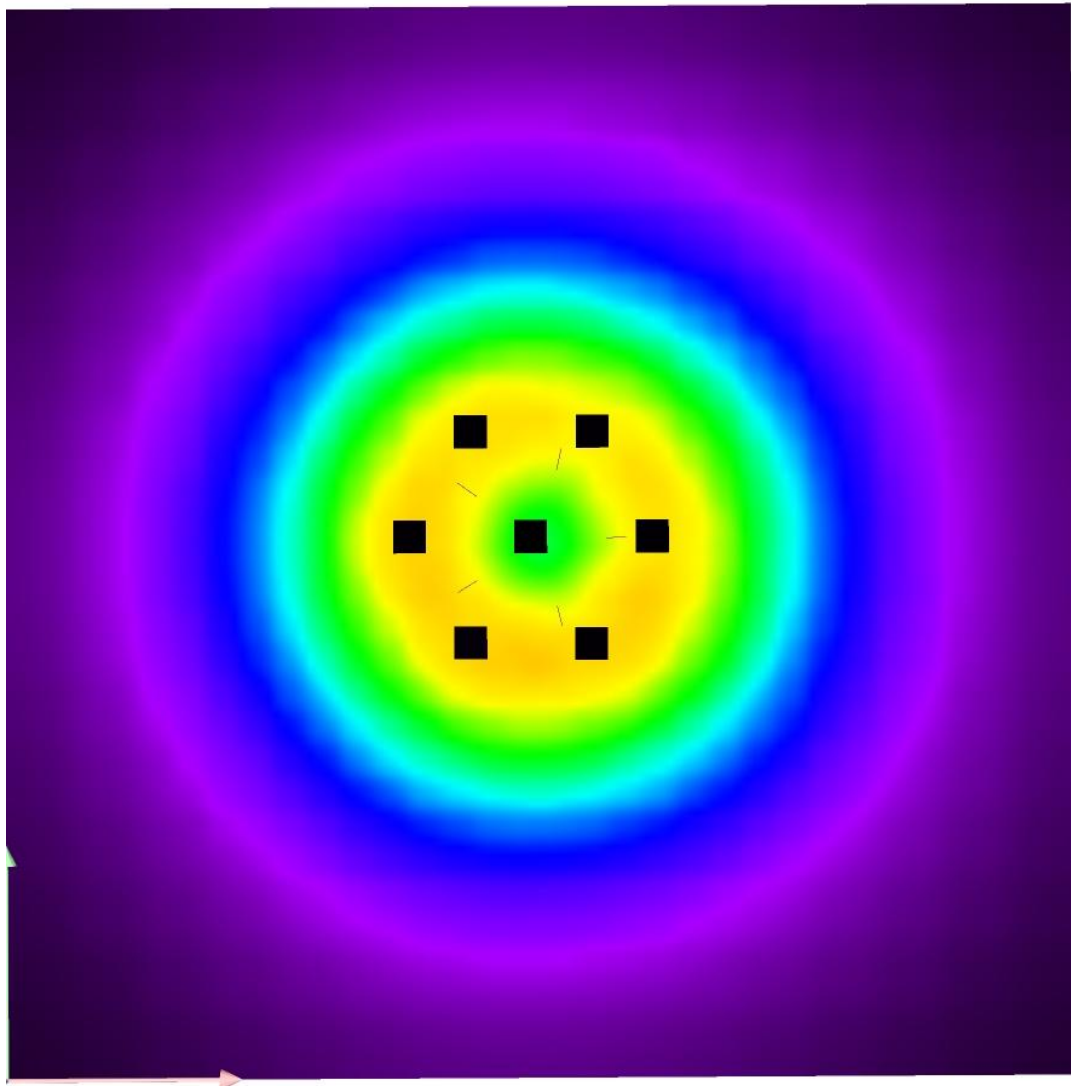
Area 400m2 / 3D Rendering



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Area 400m2 / False Color Rendering

fc

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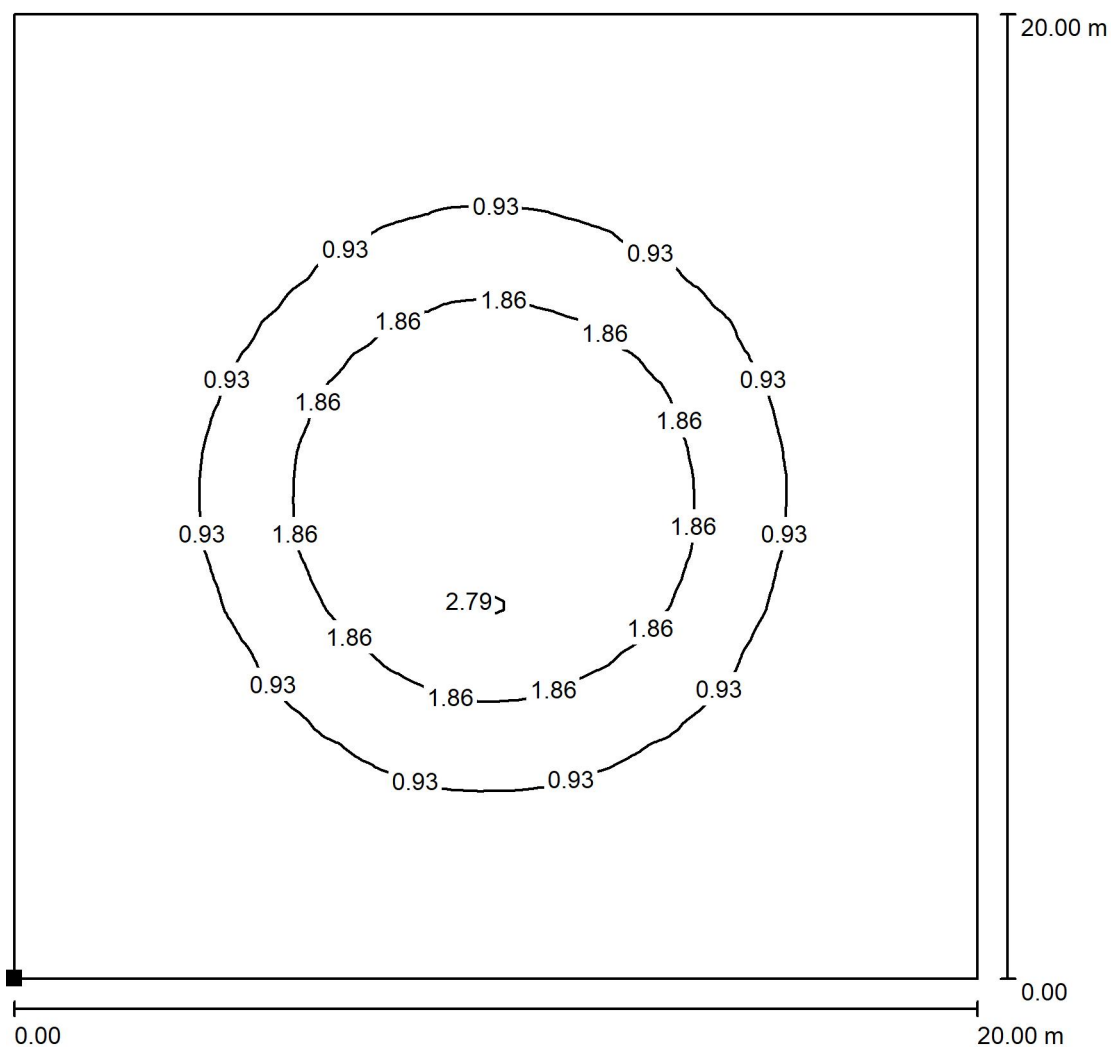
Col. Hipodromo, Cuahutemec, México D.F.

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Telephone (55)31853151

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e-Mail jalvarez@energetika.com

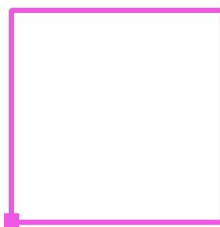
Area 400m2 / Elemento del suelo 1 / Superficie 1 / Isolines (E)

Values in Footcandles, Scale 1 : 157

Position of surface in external scene:

Marked point:

(0.000 m, 0.000 m, 0.000 m)



Grid: 128 x 128 Points

 E_{av} [fc]
0.80

 E_{min} [fc]
0.10

 E_{max} [fc]
2.85

 u_0
0.122

 E_{min} / E_{max}
0.034

Energetika Sustentable y Ecologica SA de CV

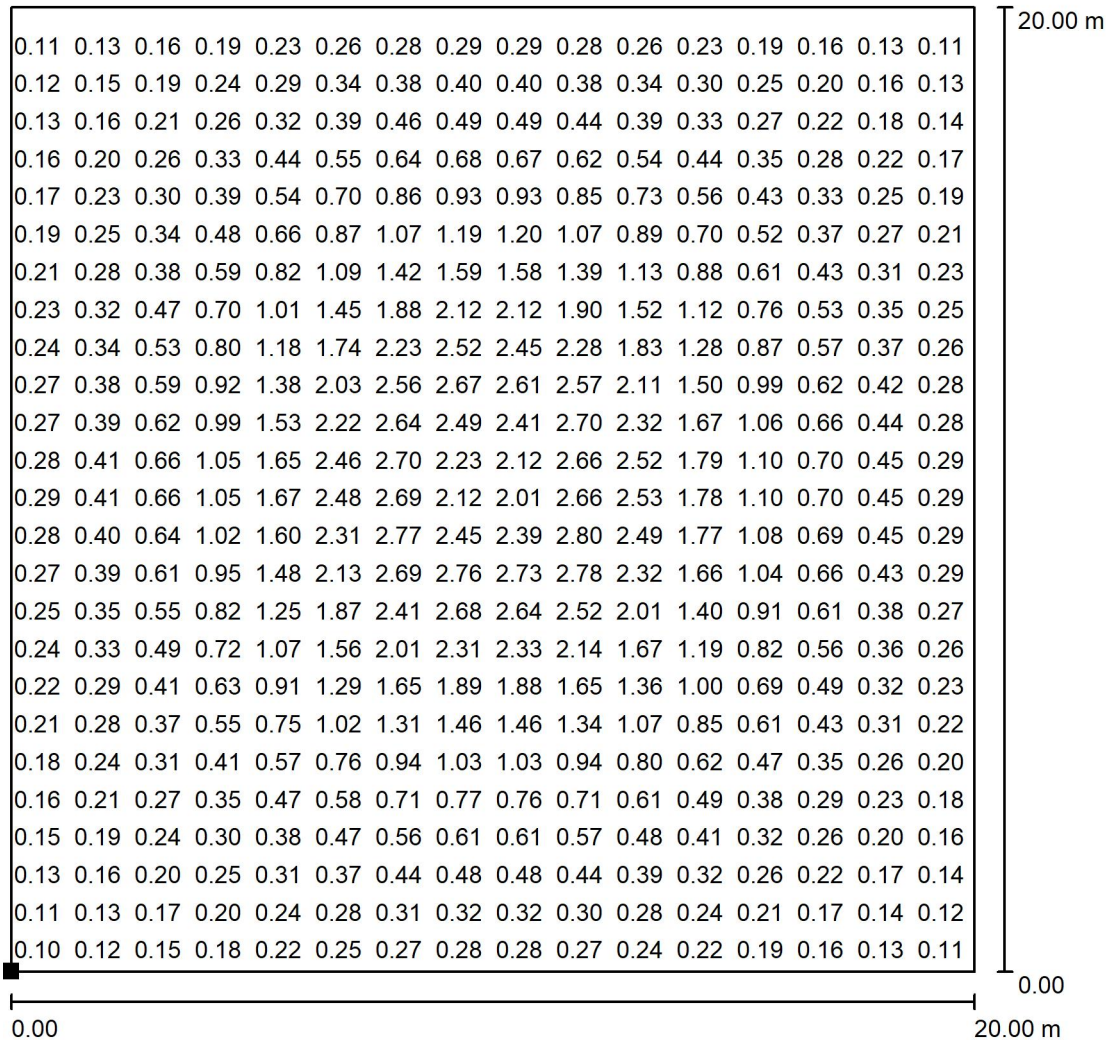
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Area 400m2 / Elemento del suelo 1 / Superficie 1 / Value Chart (E)

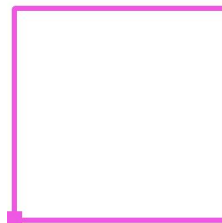
Values in Footcandles, Scale 1 : 157

Not all calculated values could be displayed.

Position of surface in external scene:

Marked point:

(0.000 m, 0.000 m, 0.000 m)



Grid: 128 x 128 Points

 E_{av} [fc]
0.80

 E_{min} [fc]
0.10

 E_{max} [fc]
2.85

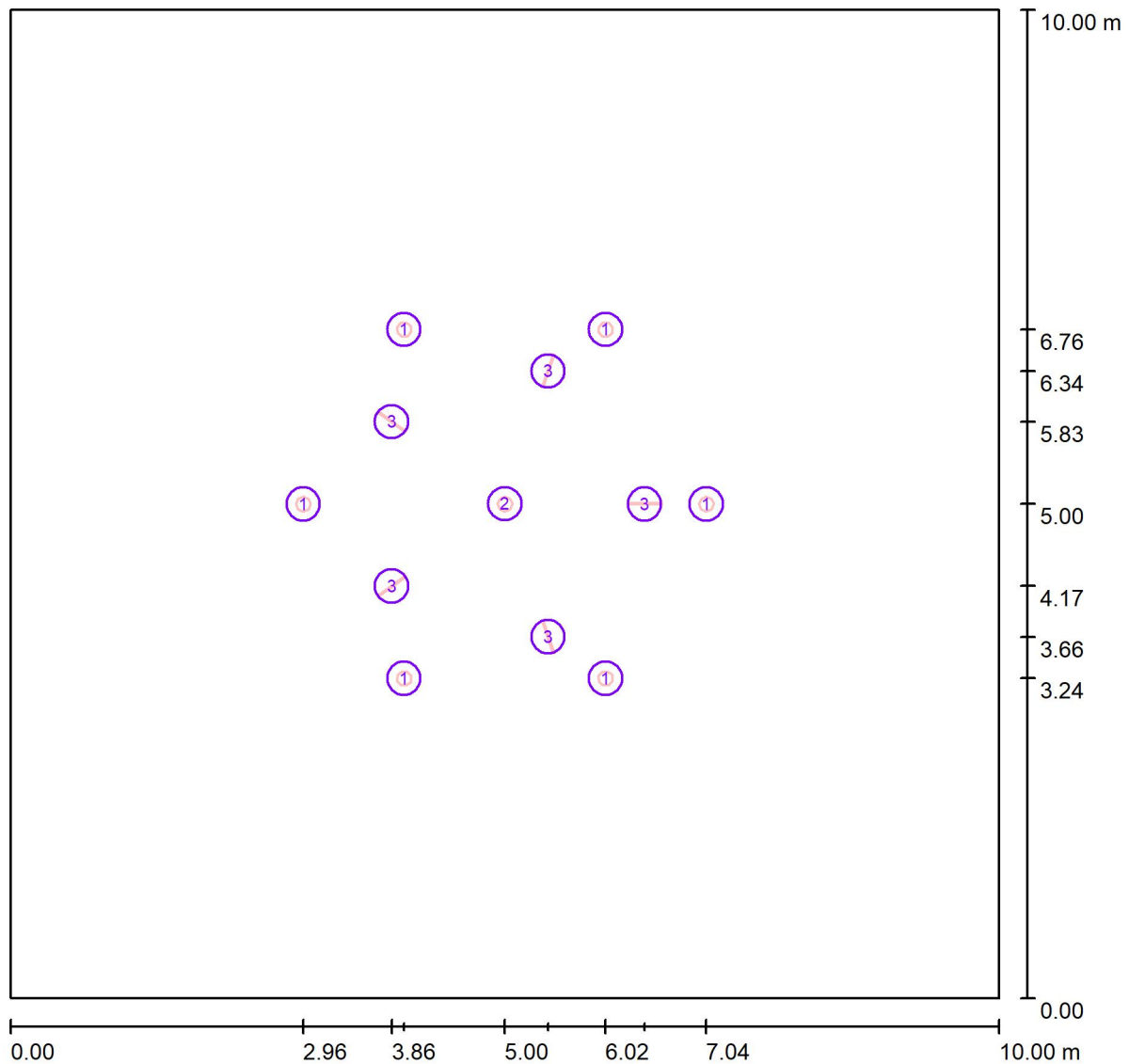
 u_0
0.122

 E_{min} / E_{max}
0.034

Energetika Sustentable y Ecologica SA de CV

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Area 100m2 / Luminaires (layout plan)

Scale 1 : 72

Luminaire Parts List

No.	Pieces	Designation
1	6	MR16-006-D5-W-01 (Type 1)*
2	1	MR16-006-D5-W-01
3	5	iGuzzini illuminazione S.p.A M250 (1.0 M)_LX15 Ledstrip: flexible strip - 5m - 24W 12V LED blanco 3000 K (Type 1)*

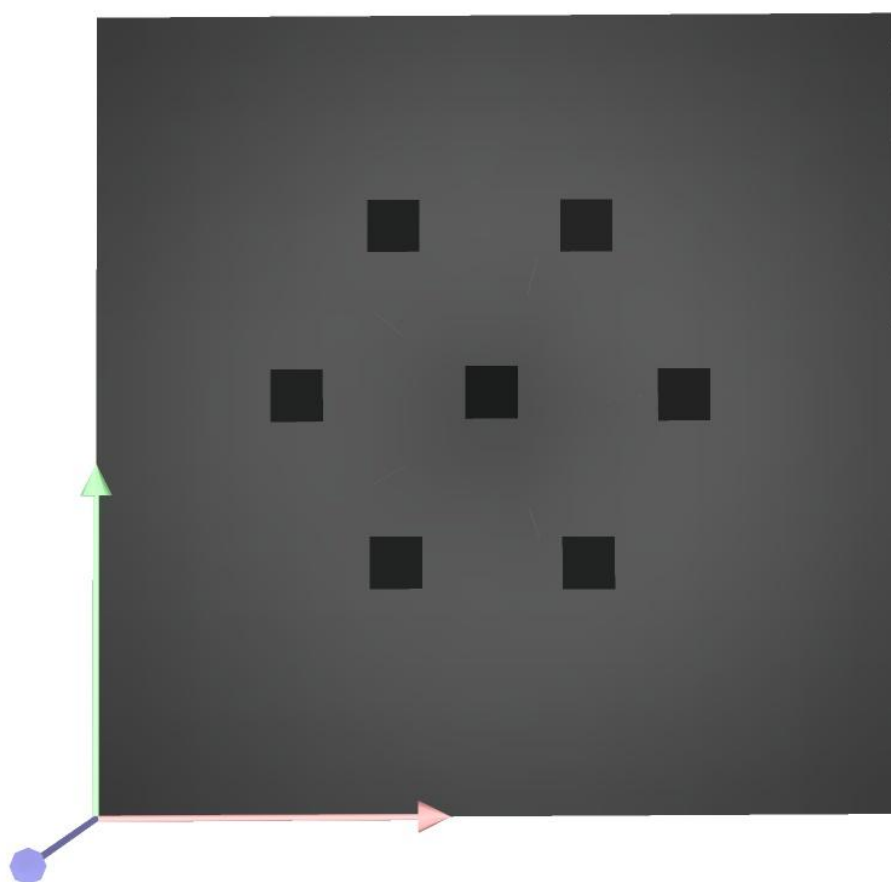
*Modified Technical Specifications



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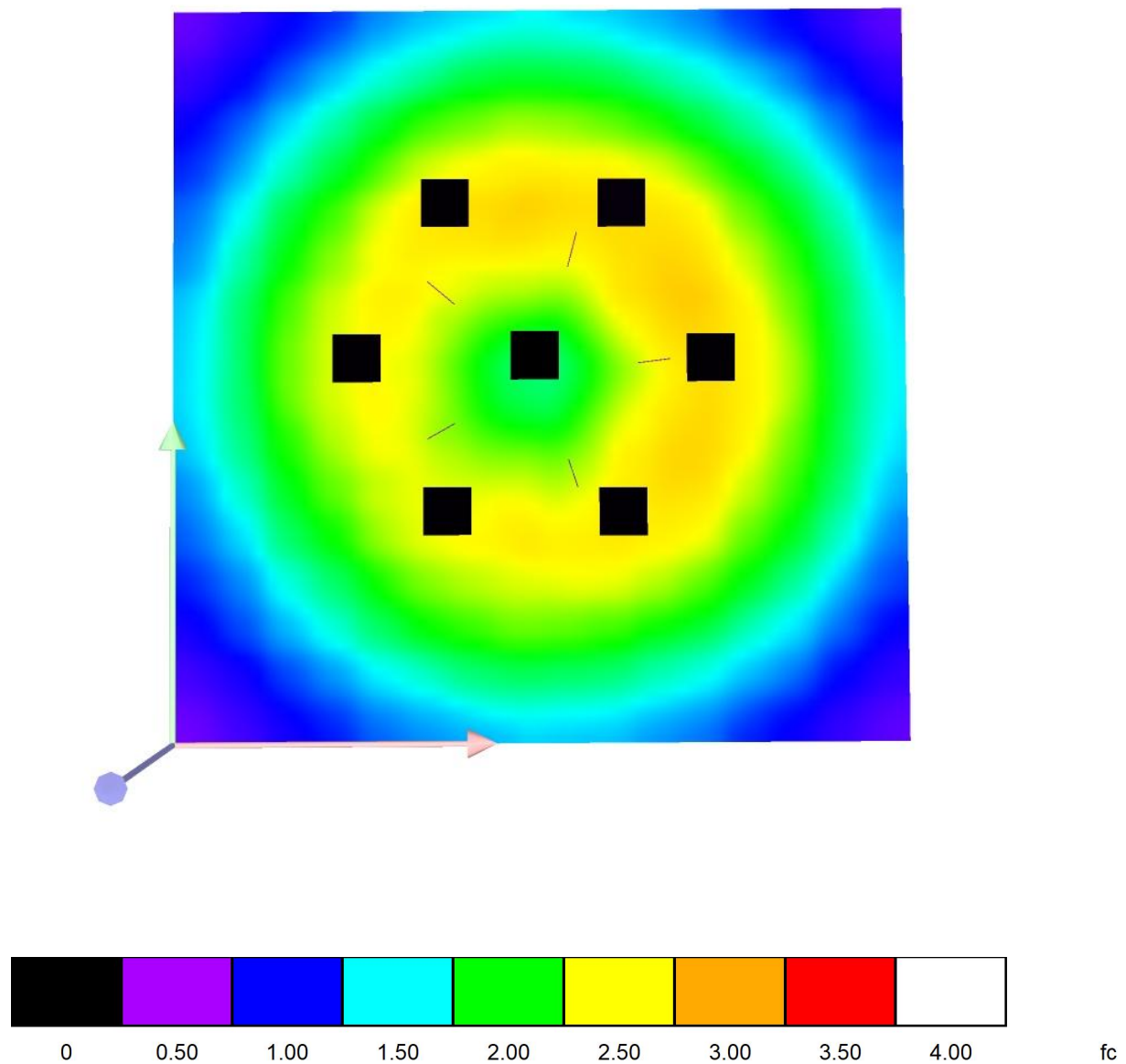
Area 100m2 / 3D Rendering



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Area 100m2 / False Color Rendering

Energetika Sustentable y Ecologica SA de CV

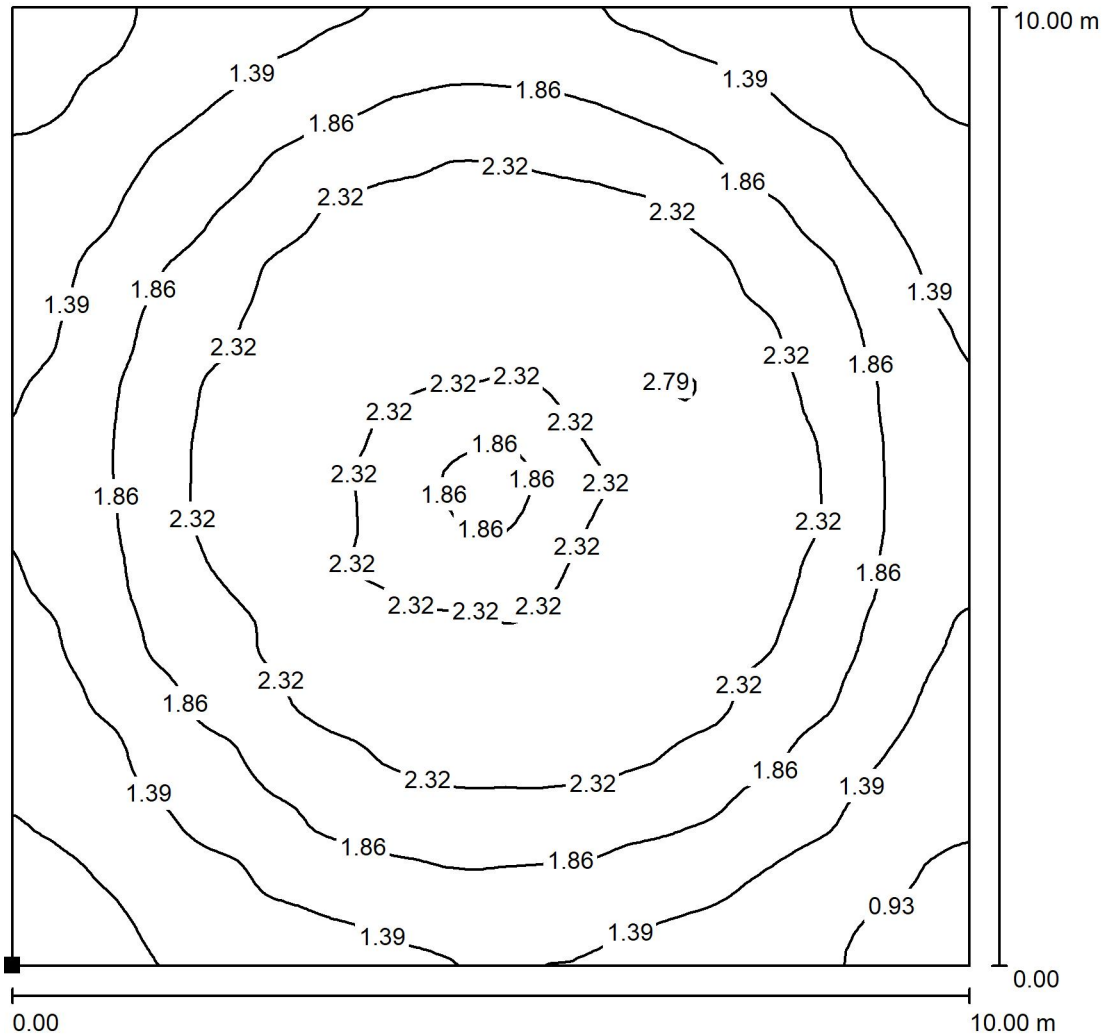
Col. Hipodromo, Cuahutemec, México D.F.

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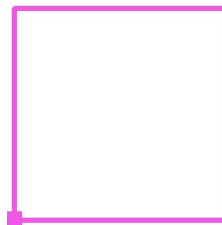
Fax

e-Mail jalvarez@energetika.com

Area 100m2 / Elemento del suelo 1 / Superficie 1 / Isolines (E)

Values in Footcandles, Scale 1 : 79

Position of surface in external scene:
 Marked point:
 (0.000 m, 0.000 m, 0.000 m)



Grid: 128 x 128 Points

 E_{av} [fc]
 1.87

 E_{min} [fc]
 0.65

 E_{max} [fc]
 2.83

 u_0
 0.349

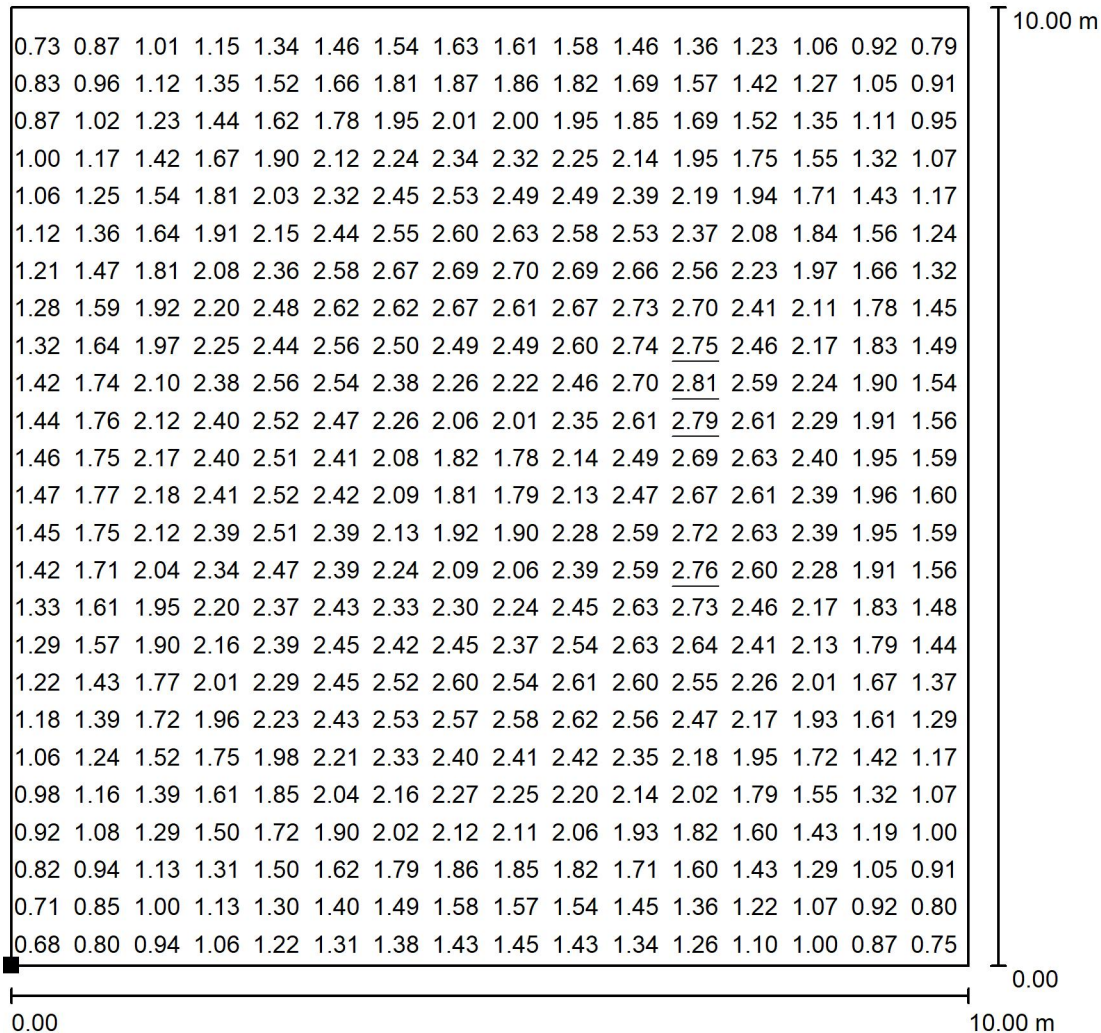
 E_{min} / E_{max}
 0.230



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Area 100m2 / Elemento del suelo 1 / Superficie 1 / Value Chart (E)



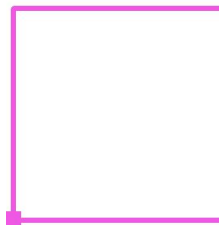
Values in Footcandles, Scale 1 : 79

Not all calculated values could be displayed.

Position of surface in external scene:

Marked point:

(0.000 m, 0.000 m, 0.000 m)



Grid: 128 x 128 Points

E_{av} [fc]
1.87

E_{min} [fc]
0.65

E_{max} [fc]
2.83

u_0
0.349

E_{min} / E_{max}
0.230

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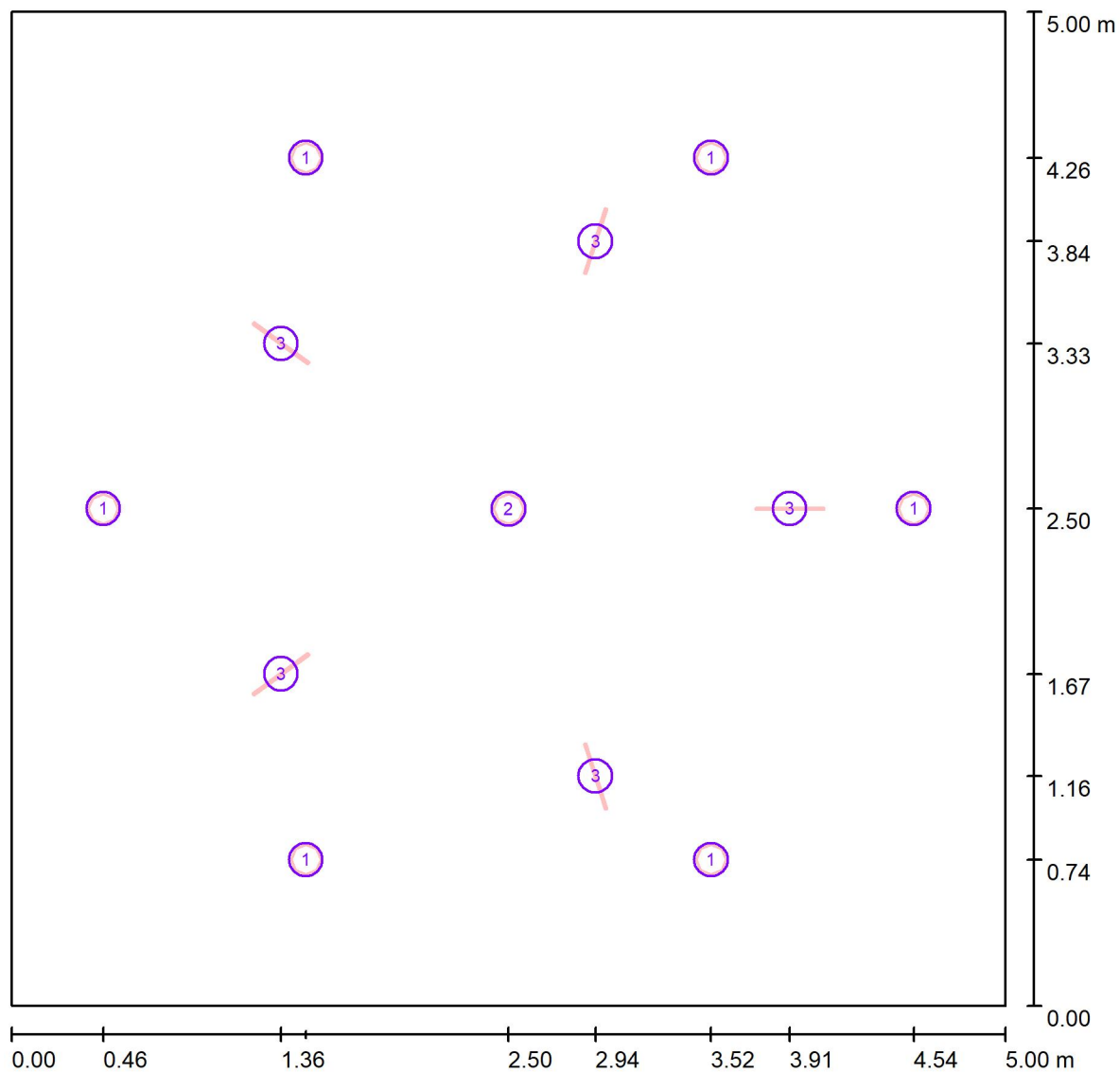
Col. Hipodromo, Cuahutemec, México D.F.

Operator Ing. Jonathan Alvarez

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e-Mail jalvarez@energetika.com

Area 25m2 / Luminaires (layout plan)

Scale 1 : 36

Luminaire Parts List

No.	Pieces	Designation
1	6	MR16-006-D5-W-01 (Type 1)*
2	1	MR16-006-D5-W-01
3	5	iGuzzini illuminazione S.p.A M250 (1.0 M)_LX15 Ledstrip: flexible strip - 5m - 24W 12V LED blanco 3000 K (Type 1)*

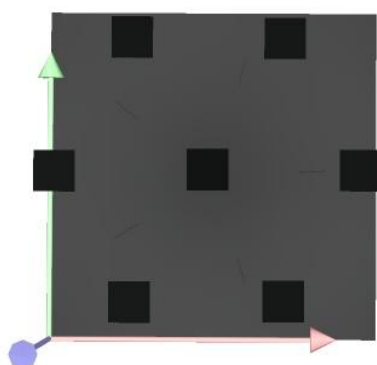
*Modified Technical Specifications



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Area 25m2 / 3D Rendering

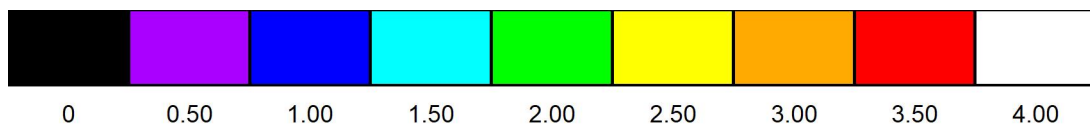
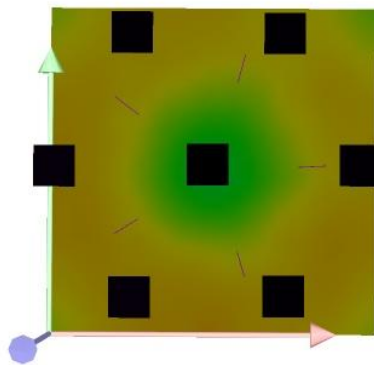




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Area 25m2 / False Color Rendering



fc

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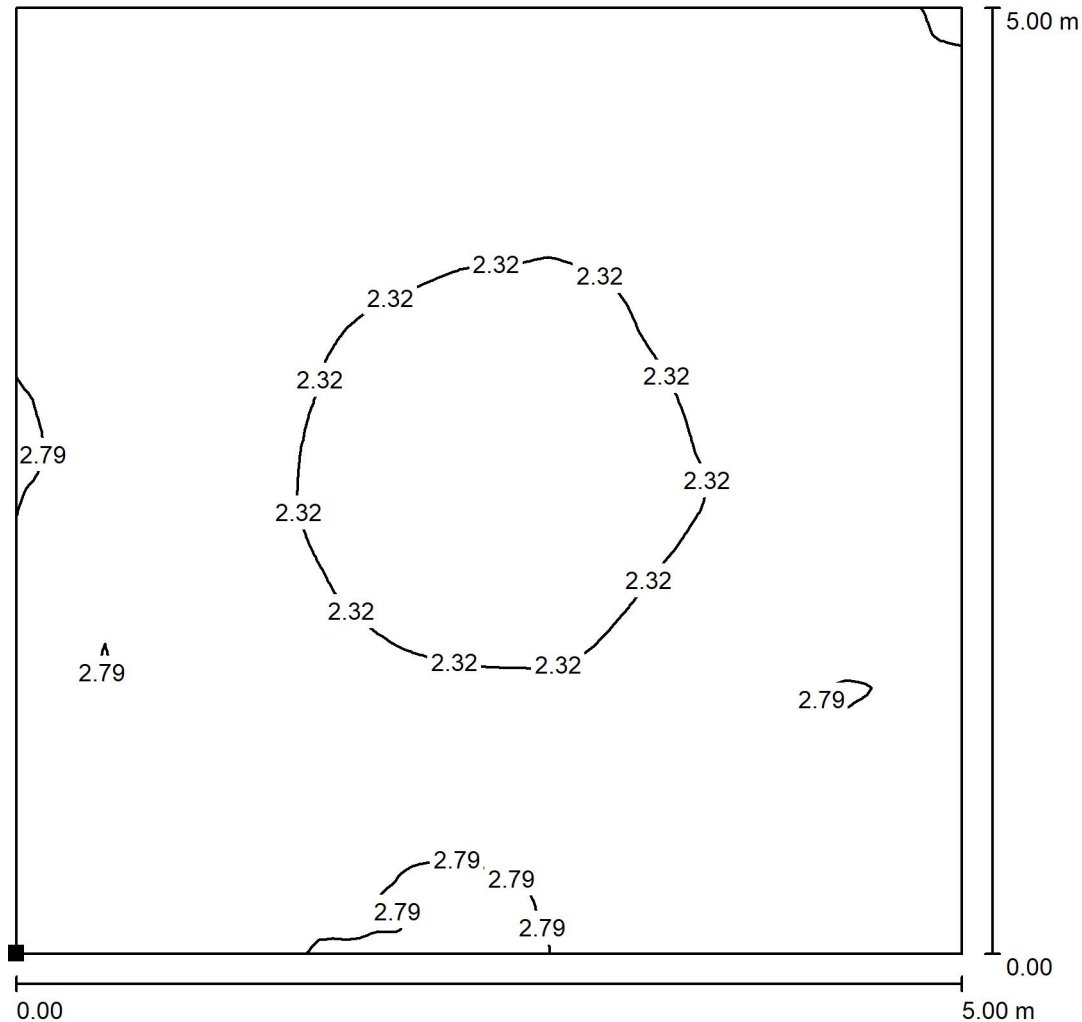
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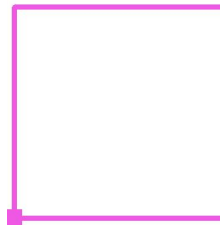
Area 25m2 / Elemento del suelo 1 / Superficie 1 / Isolines (E)

Values in Footcandles, Scale 1 : 40

Position of surface in external scene:

Marked point:

(0.000 m, 0.000 m, 0.000 m)



Grid: 128 x 128 Points

 E_{av} [fc]
2.55

 E_{min} [fc]
1.89

 E_{max} [fc]
2.86

 u_0
0.741

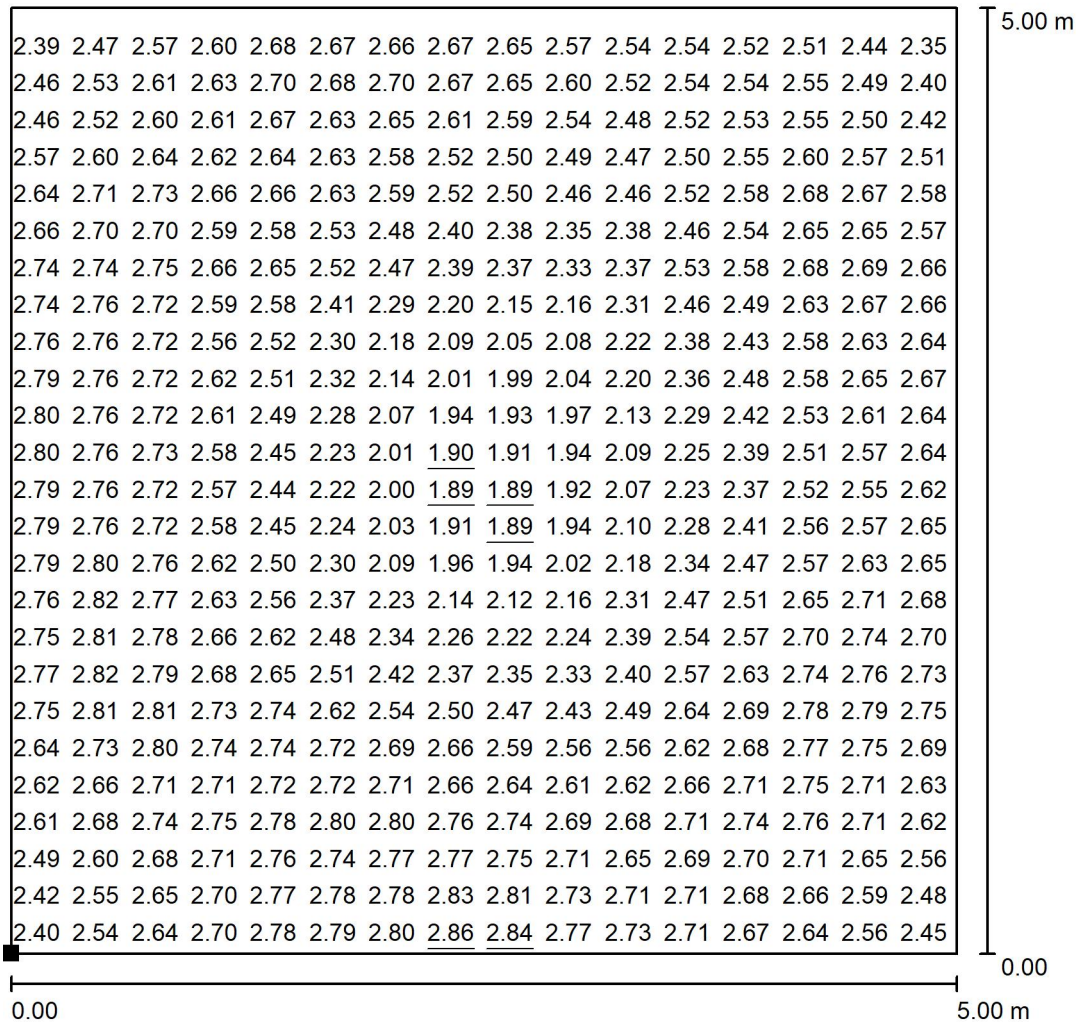
 E_{min} / E_{max}
0.659

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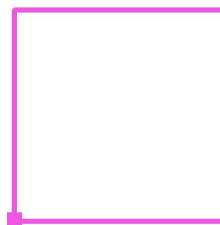
Area 25m2 / Elemento del suelo 1 / Superficie 1 / Value Chart (E)



Values in Footcandles, Scale 1 : 40

Not all calculated values could be displayed.

Position of surface in external scene:
 Marked point:
 (0.000 m, 0.000 m, 0.000 m)



Grid: 128 x 128 Points

E_{av} [fc]
2.55

E_{min} [fc]
1.89

E_{max} [fc]
2.86

u_0
0.741

E_{min} / E_{max}
0.659