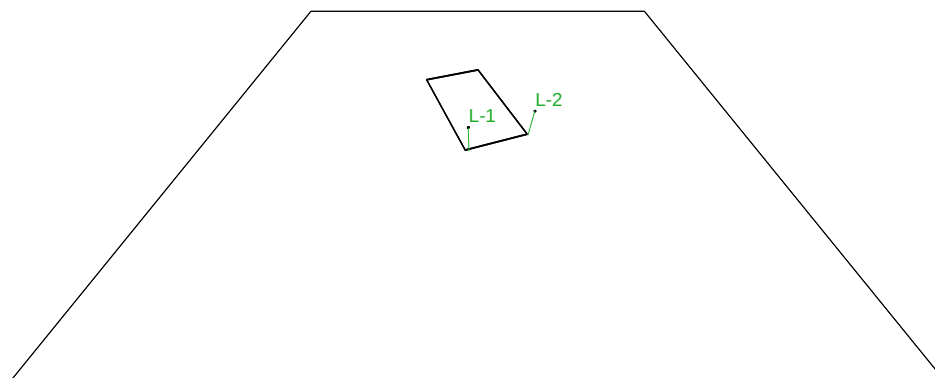


Tennis Court Lighting

Installation Notes: 800watt LED Asymmetric
Customer: UCS Hampstead
Project Code: DSL-MB24042020
Date: 28/04/2020

Notes:



DESIGNER NAME: DIRECT SPORTS LIGHTING
Address: UNIT 3 THE MALTINGS, URE BANK TOP, RIPON
Tel.-Fax: 0845 643 0722

Remarks:



1.1 Area Information

Surface	Dimensions [m]	Angle[°]	Color	Coefficient Reflectance	Average Illum. [lux]	Ave.Luminance [cd/m²]
Ground	142.00x142.00	Plane	RGB=126,126,126	40%	8	1.01

Dimensions of Area Bounding Box [m]: 142.00x142.00x0.00
Calculation Points Grid of Bounding Box [m]: direction X 5.92 - Y 5.92
Specific Wattage of Working Plane [W/m²] 0.005
Specific Lighting Power of the Working Plane [W/(m² * 100lux)] 0.069
Total Wattage [kW]: 0.110

1.2 Uniformity Installation Parameters

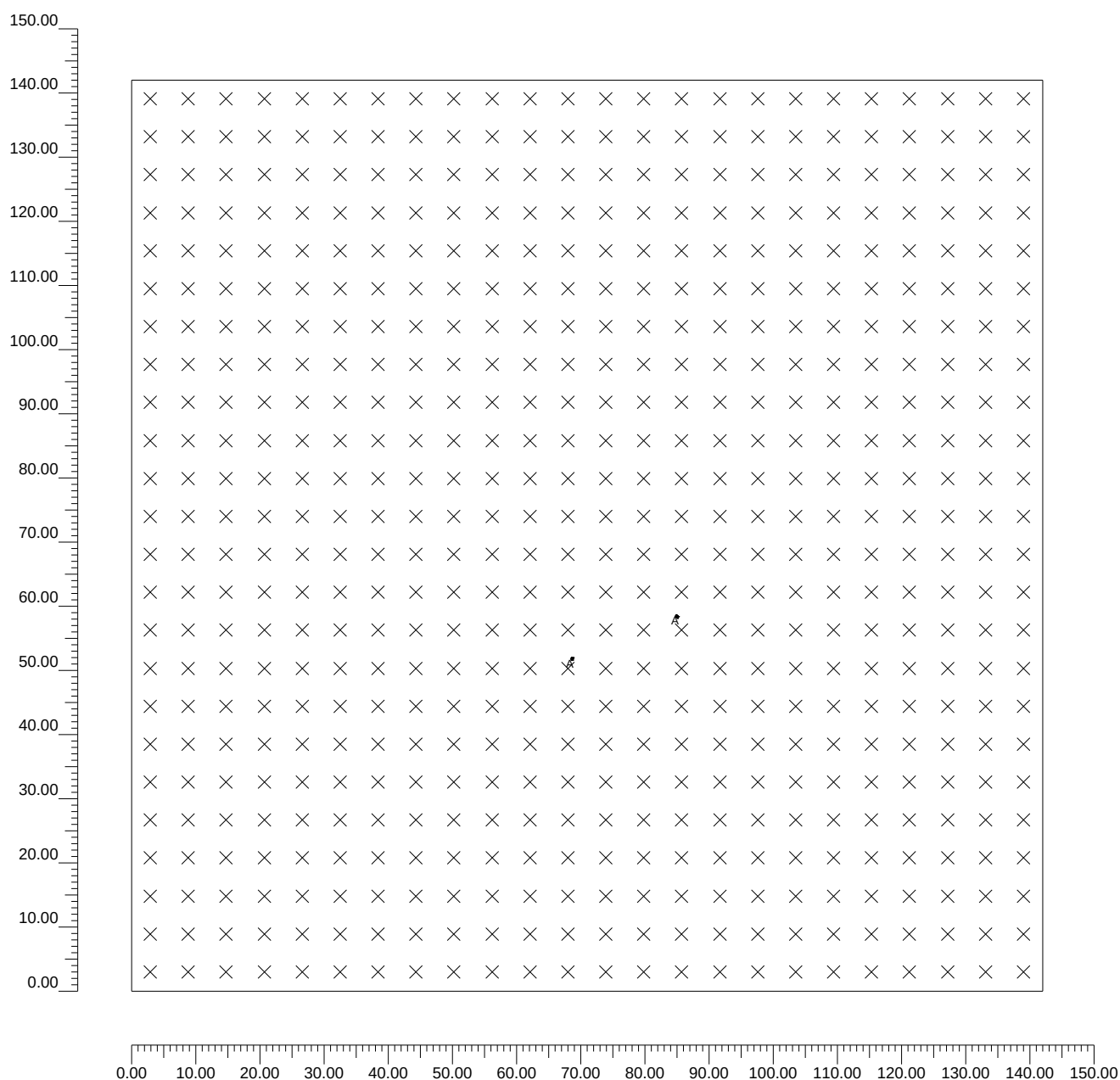
Surface	Results	Average	Minimum	Maximum	Min/Ave	Min/Max	Ave/Max
Working Plane (h=0.00 m)	Horizontal Illuminance (E)	8 lux	0 lux	572 lux	0.00	0.00	0.01
Ground	Horizontal Illuminance (E)	8 lux	0 lux	572 lux	0.00	0.00	0.01

Calculation Type

Dir.+Indir.(7 Inter-Reflections)

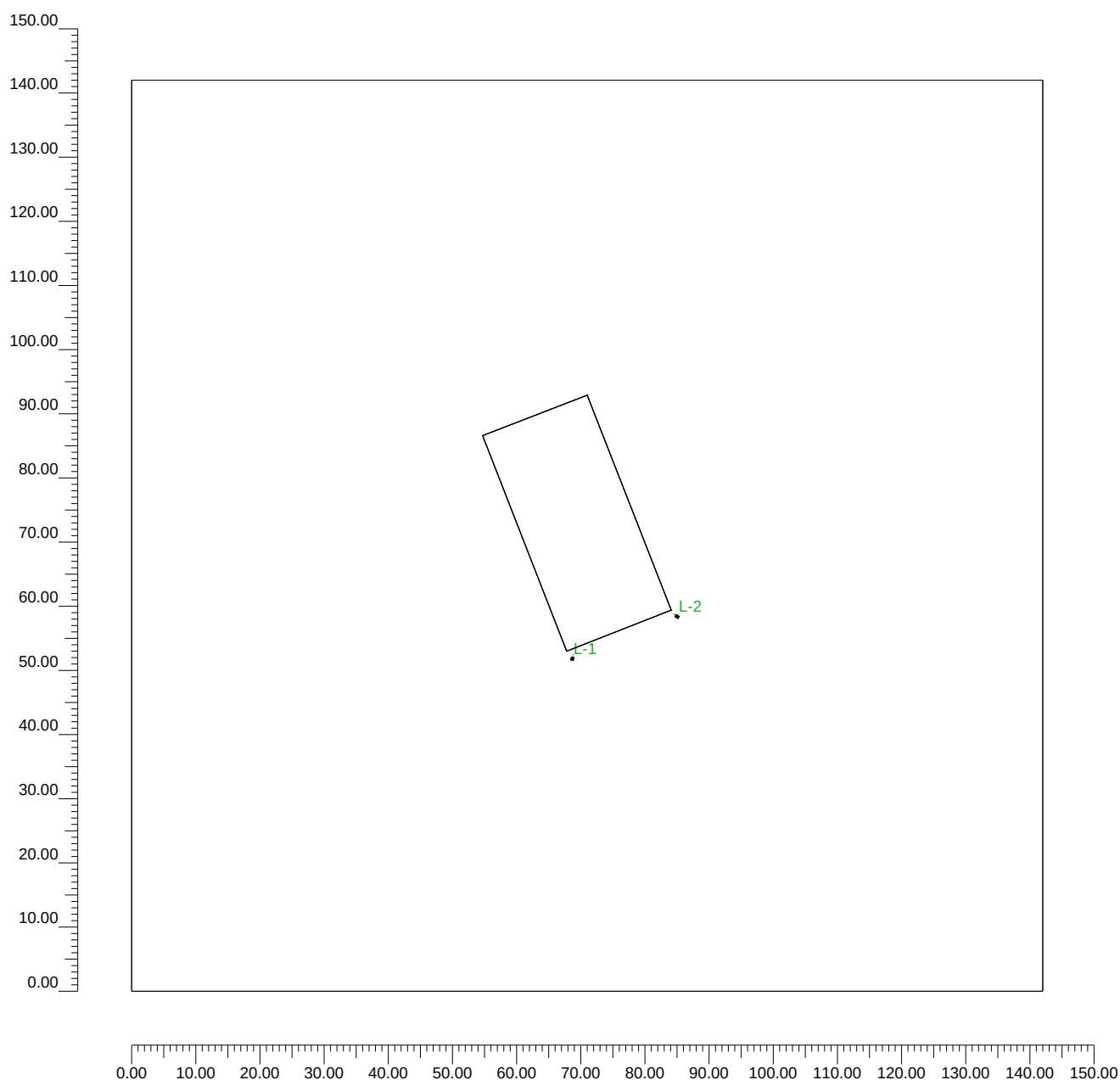
2.1 Working Plane 2D View and Calculation Grid

Scale 1/1000



2.2 2D Plane View

Scale 1/1000

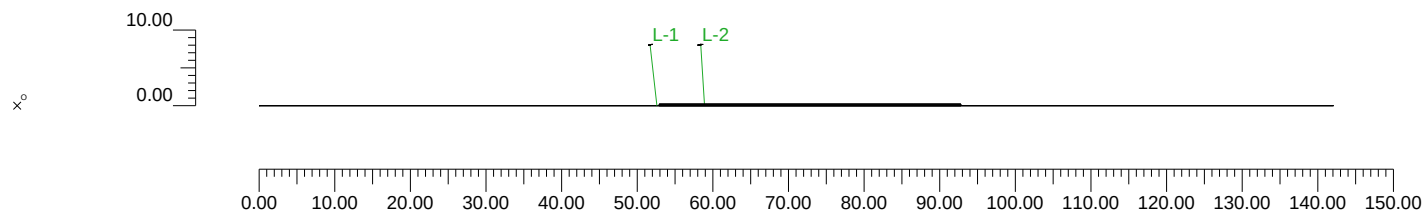


x°



2.3 Lateral View

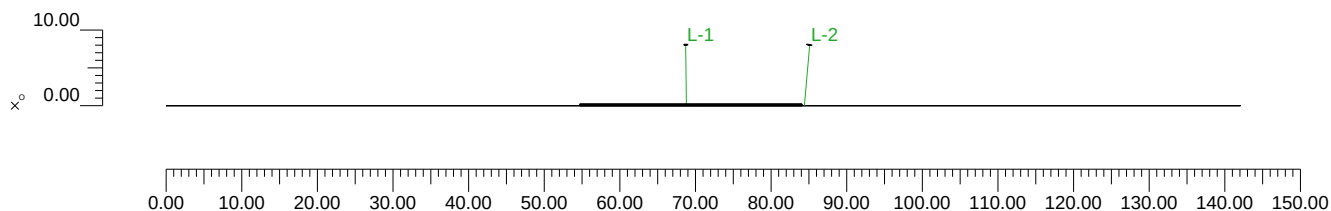
Scale 1/1000





2.4 Front View

Scale 1/1000





3.1 Luminaire/Measurements Info

Ref.	Line	Luminaire Name (Measur. Name)	Luminaire Code (Measur. Code)	Luminaires N.	Ref.Lamps	Lamps N.
A	FL-13 800W ASYMMETRIC	[TESTLAB] ([TESTLAB])	[TEST] ([TEST])	2	LMP-A	1

3.2 Lamps Info

Ref.Lamps	Type	Code	Flux [lm]	Wattage [W]	Color [°K]	N.
LMP-A	496154	496154	100000	55	4000	2

3.3 Luminaire Table

Ref.	Lum.	On	Luminaire Position X[m] Y[m] Z[m]	Luminaire Rotation X[°] Y[°] Z[°]	Luminaire Code	Coeff. Mant.	Lamp Code	Flux [lm]
A	1	X	88.73;83.74;8.00	6;0;-4	[TEST]	0.80	496154	1*100000
	2	X	105.06;90.35;8.00	6;0;49		0.80		

3.4 Aiming Summary Table

Mast	Row	Column	Ref. 2D	On	Luminaire Position X[m] Y[m] Z[m]	Luminaire Rotation X[°] Y[°] Z[°]	Aiming X[m] Y[m] Z[m]	R.Axis [°]	Coeff. Mant.	Ref.
			L-1	X	88.73;83.74;8.00	6;0;-4	88.79;84.58;0.00	-0	0.80	A
			L-2	X	105.06;90.35;8.00	6;0;49	104.43;90.91;0.00	0	0.80	A



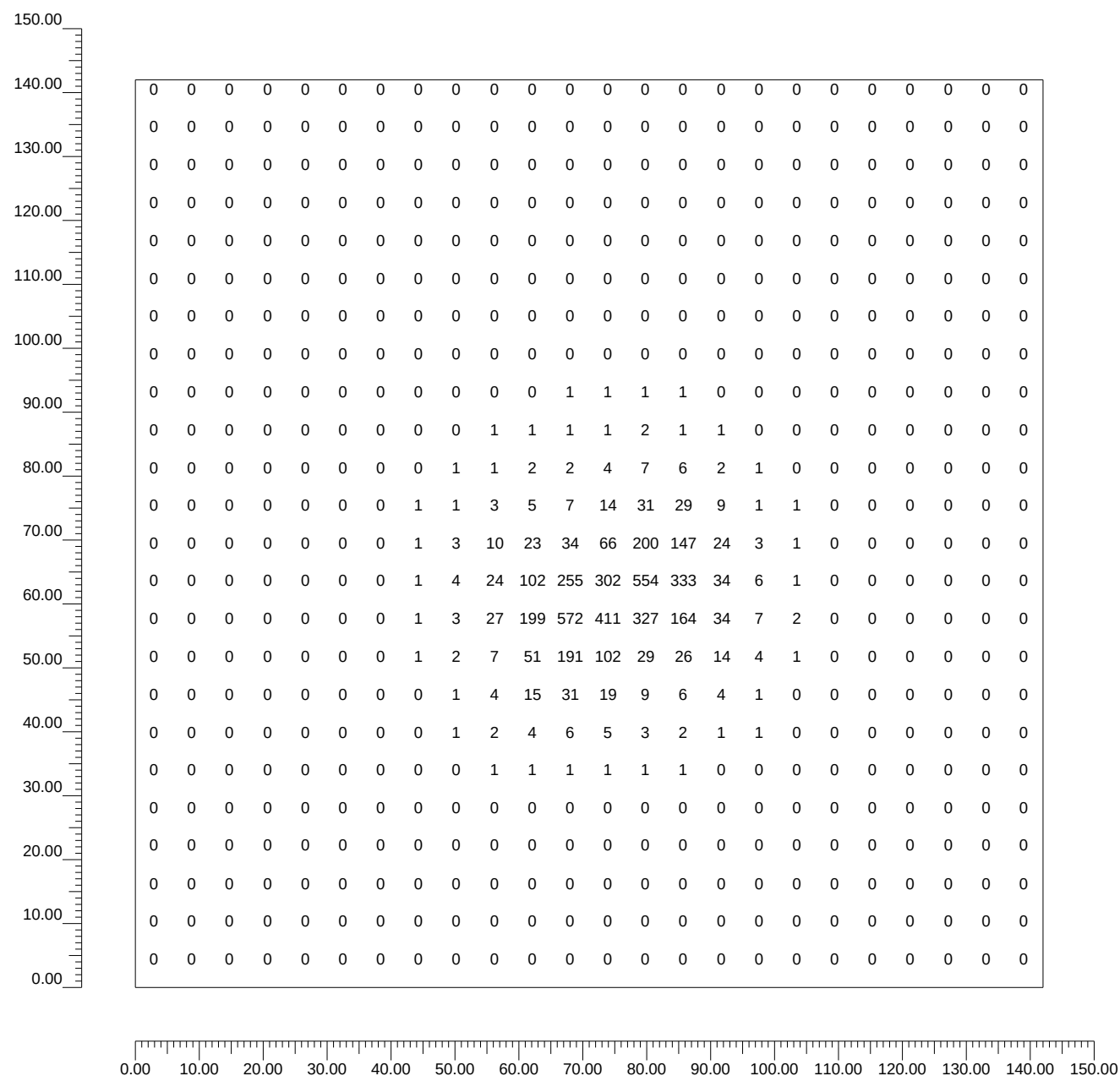
4.1 Horizontal Illuminance Values on the Working Plane

O (x:20.00 y:174.00 z:0.00)	Results	Average	Minimum	Maximum	Min/Ave	Min/Max	Ave/Max
DX:5.92 DY:5.92	Horizontal Illuminance (E)	8 lux	0 lux	572 lux	0.00	0.00	0.01

Calculation Type

Dir.+Indir.(7 Inter-Reflections)

Scale 1/1000





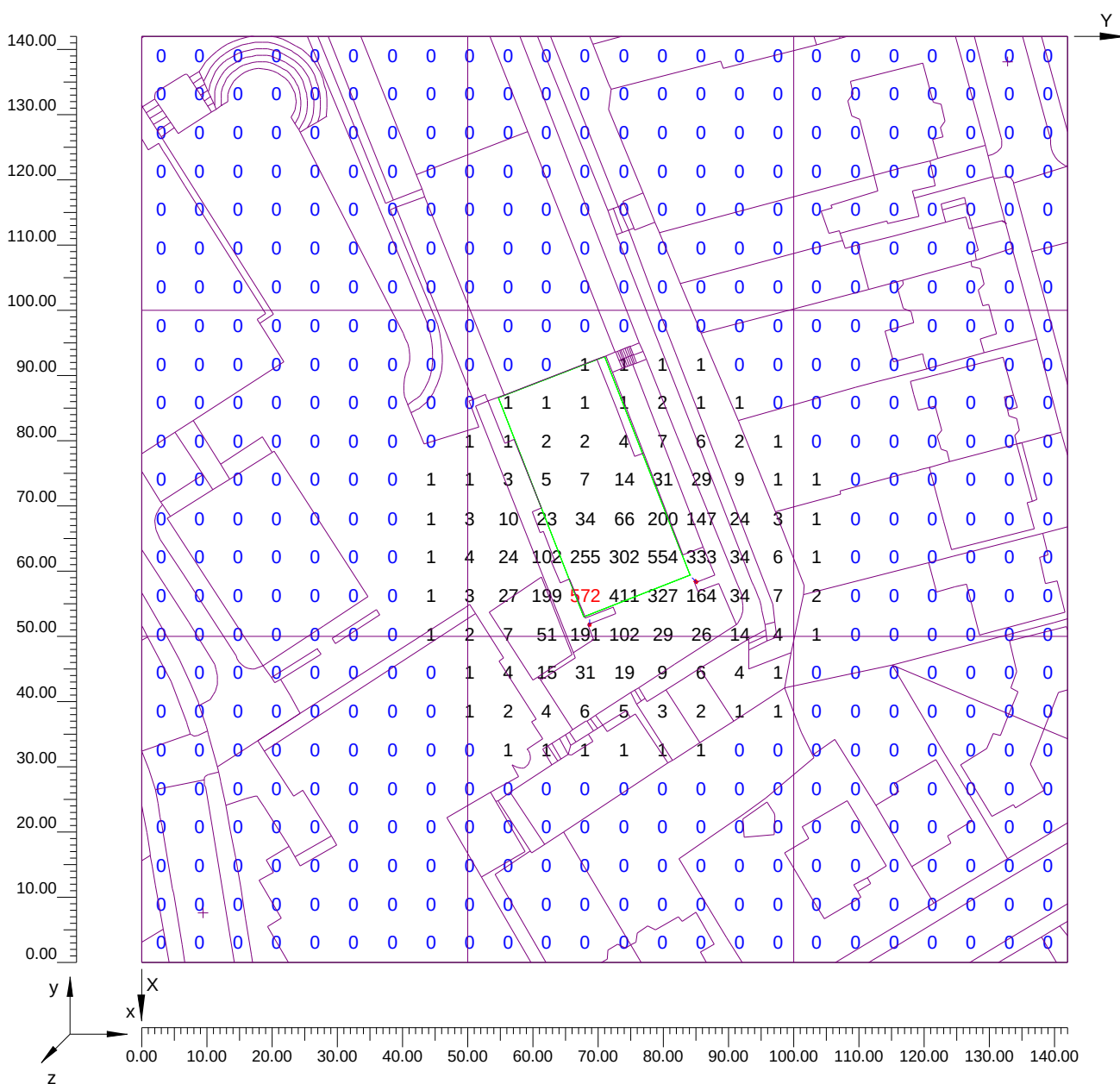
4.2 Illuminance Values on:Working Plane

O (x:20.00 y:174.00 z:0.00)	Results	Average	Minimum	Maximum	Min/Ave	Min/Max	Ave/Max
DX:5.92 DY:5.92	Horizontal Illuminance (E)	8 lux	0 lux	572 lux	0.00	0.00	0.01

Calculation Type

Dir.+Indir.(7 Inter-Reflections)

Scale 1/1000



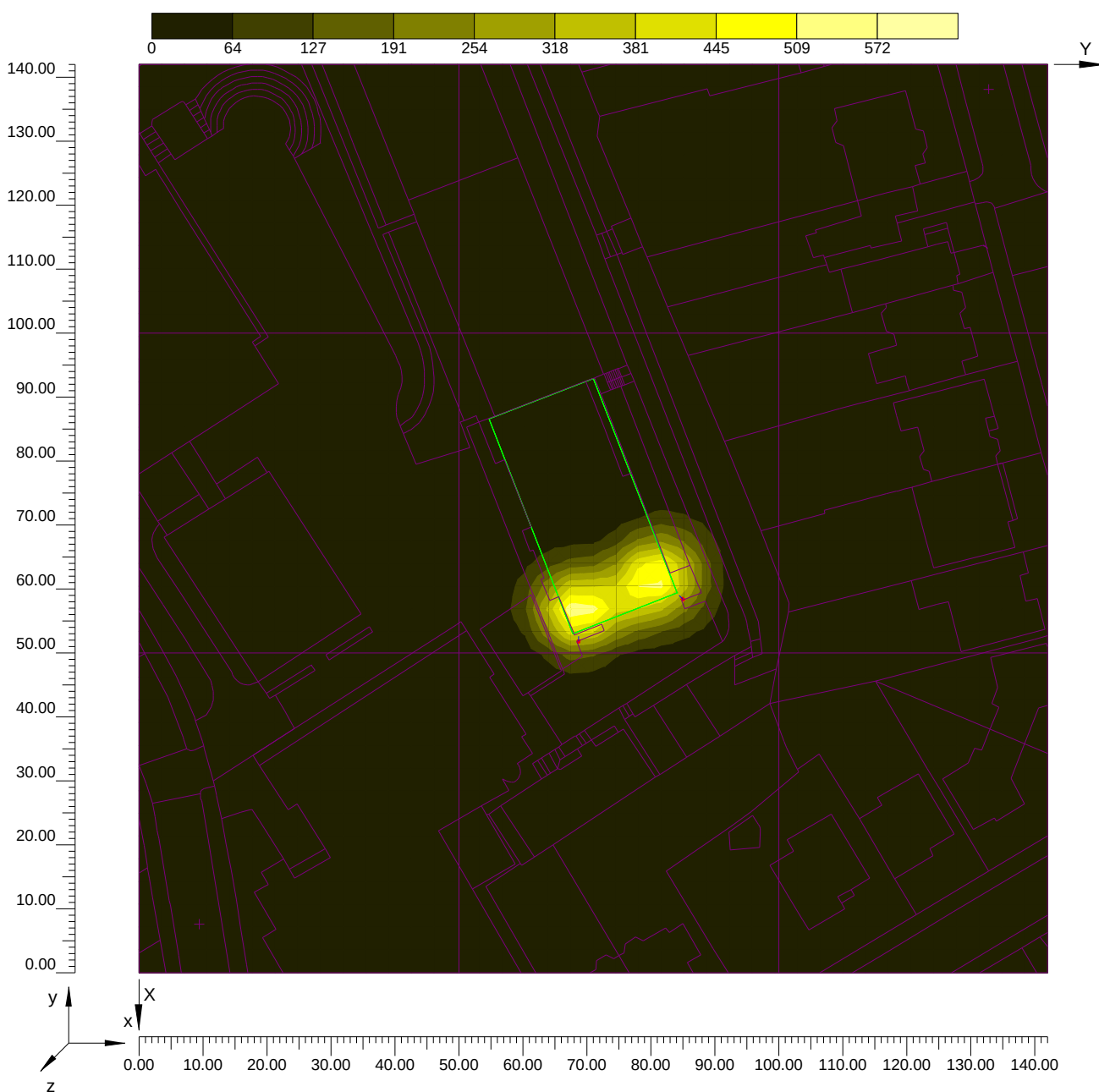
4.4 Illuminance Spot Diagram on:Working Plane_1_1

O (x:20.00 y:174.00 z:0.00)	Results	Average	Minimum	Maximum	Min/Ave	Min/Max	Ave/Max
DX:5.92 DY:5.92	Horizontal Illuminance (E)	8 lux	0 lux	572 lux	0.00	0.00	0.01

Calculation Type

Dir.+Indir.(7 Inter-Reflections)

Scale 1/1000





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