ADANI MUNDRA SOLAR PV LTD MSPL LIGHTING LAYOUT

Partner for Contact:
Order No.:
Company:
Customer No.:

Date: 21.10.2019
Operator: MADAN HEGDE

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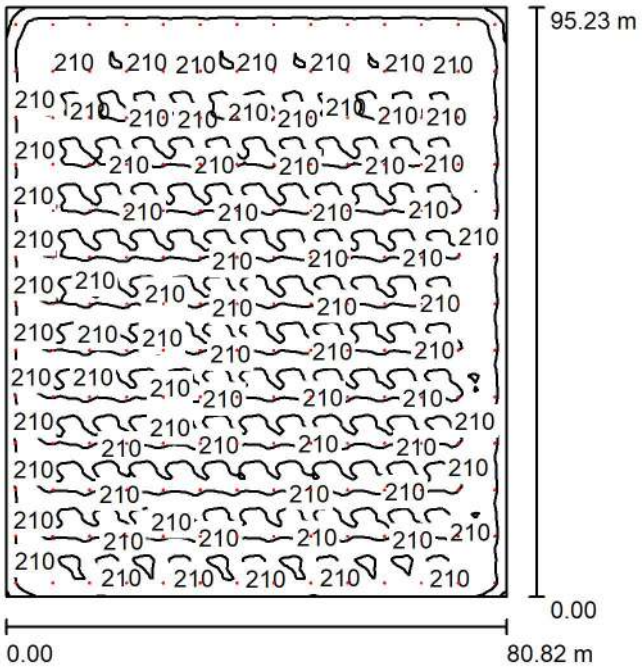
GLASS STORAGE-1 / Summary



Height of Room: 7.500 m, Mounting Height: 7.500 m, Light loss factor: 0.80 Values in Lux, Scale 1:1223

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0
Workplane	/	205	121	222	0.588
Floor	20	203	124	219	0.610
Ceiling	70	41	34	51	0.835
Walls (4)	50	89	33	385	/

Workplane:
Height: 0.760 m
Grid: 128 x 128 Points
Boundary Zone: 0.000 m
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.425, Ceiling / Working Plane: 0.199.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	182	Halonix 100W LED Bay Light CWL (1.000)	10101	10100	100.0
			Total: 1838436	Total: 1838200	18200.0

Specific connected load: 2.36 W/m² = 1.15 W/m²/100 lx (Ground area: 7696.38 m²)

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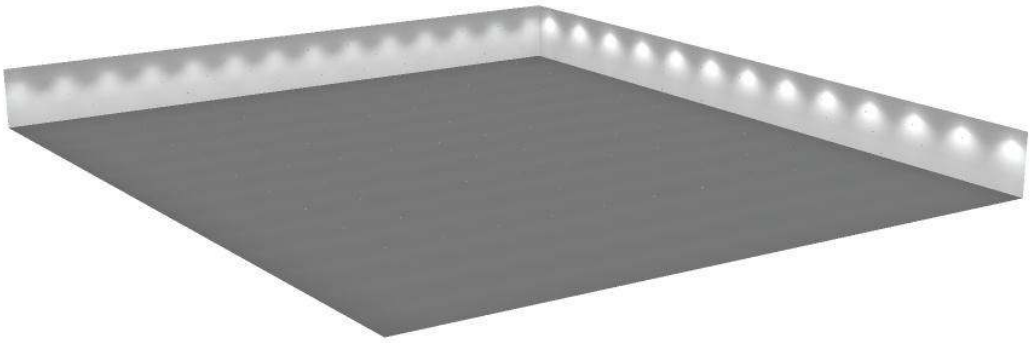
GLASS STORAGE-1 / 3D Rendering



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GLASS STORAGE-1 / Workplane / Value Chart (E)

177	196	195	194	194	192	192	194	196	195	194	193	192	193	196	180
190	205	206	211	208	206	206	205	206	212	210	207	206	205	205	192
185	206	205	205	204	203	202	204	207	206	204	203	202	203	206	190
192	206	208	213	211	209	209	208	211	214	213	210	209	208	207	193
187	208	208	208	207	205	205	207	209	208	207	206	205	206	207	192
192	206	208	213	211	210	210	208	211	214	213	211	209	208	207	194
188	208	208	208	207	206	205	208	210	209	207	207	205	206	208	193
193	206	208	214	212	210	210	208	211	215	214	211	210	209	207	194
188	208	209	208	208	206	206	210	210	209	207	207	206	206	208	195
194	206	208	214	212	211	211	208	211	211	214	212	210	209	207	194
188	208	209	208	208	207	207	210	210	209	208	207	206	206	209	193
194	206	208	214	212	211	211	209	211	211	215	212	211	209	207	193
188	208	210	208	209	207	207	210	210	209	208	208	207	207	209	194
193	206	208	210	212	212	211	209	207	211	215	212	211	210	207	193
190	209	210	208	209	208	208	210	211	209	208	208	207	208	209	195
196	206	209	215	213	212	212	209	207	212	215	213	212	211	207	195
190	209	210	209	209	208	208	211	211	210	208	209	208	208	209	195
195	206	208	212	213	213	212	209	206	212	215	213	212	211	207	193
191	209	210	209	210	209	209	211	211	210	209	209	209	210	209	195
195	206	209	213	213	213	212	210	207	213	218	214	213	212	207	194
190	209	211	209	210	210	209	211	211	210	209	209	209	211	209	195
194	206	208	213	213	214	212	210	206	213	217	214	213	212	207	194
190	210	211	210	210	210	210	211	211	210	209	209	210	212	210	197
196	206	208	213	212	213	211	209	205	212	214	213	212	211	207	192
188	205	206	204	206	206	204	206	206	206	205	205	205	206	205	192

95.23 m

0.00

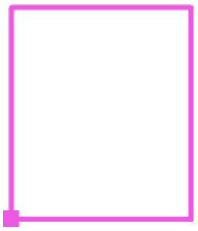
0.00

80.82 m

Values in Lux, Scale 1 : 745

Not all calculated values could be displayed.

Position of surface in room:
Marked point:
(80.698 m, 282.464 m, 0.760 m)



Grid: 128 x 128 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
205	121	222	0.588	0.544

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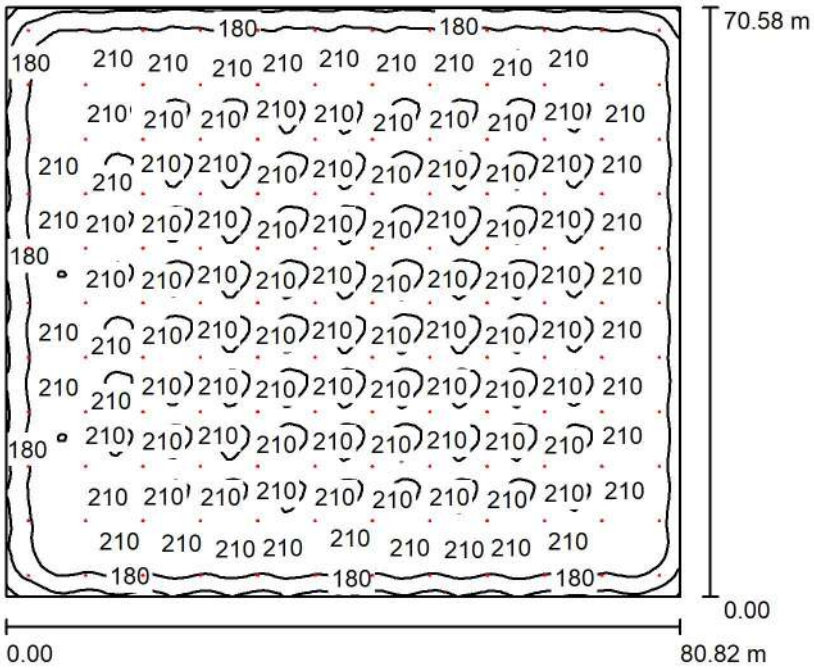
GLASS STORAGE-2 / Summary



Height of Room: 7.500 m, Mounting Height: 7.500 m, Light loss factor: 0.80 Values in Lux, Scale 1:907

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0
Workplane	/	200	109	222	0.544
Floor	20	199	112	218	0.565
Ceiling	70	39	30	42	0.770
Walls (4)	50	79	31	192	/

Workplane:
Height: 0.760 m
Grid: 128 x 128 Points
Boundary Zone: 0.000 m
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.397, Ceiling / Working Plane: 0.196.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	132	Halonix 100W LED Bay Light CWL (1.000)	10101	10100	100.0
			Total: 1333371	Total: 1333200	13200.0

Specific connected load: 2.31 W/m² = 1.16 W/m²/100 lx (Ground area: 5704.18 m²)

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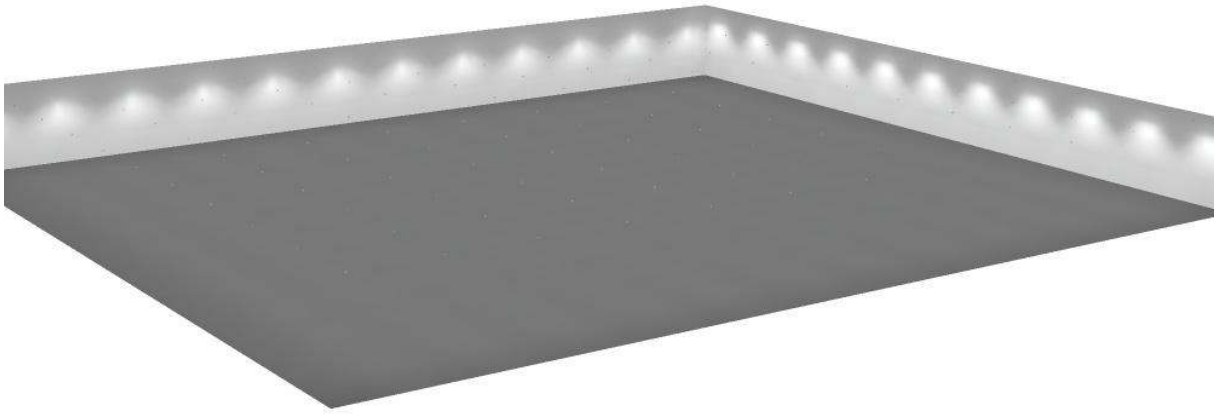
GLASS STORAGE-2 / 3D Rendering



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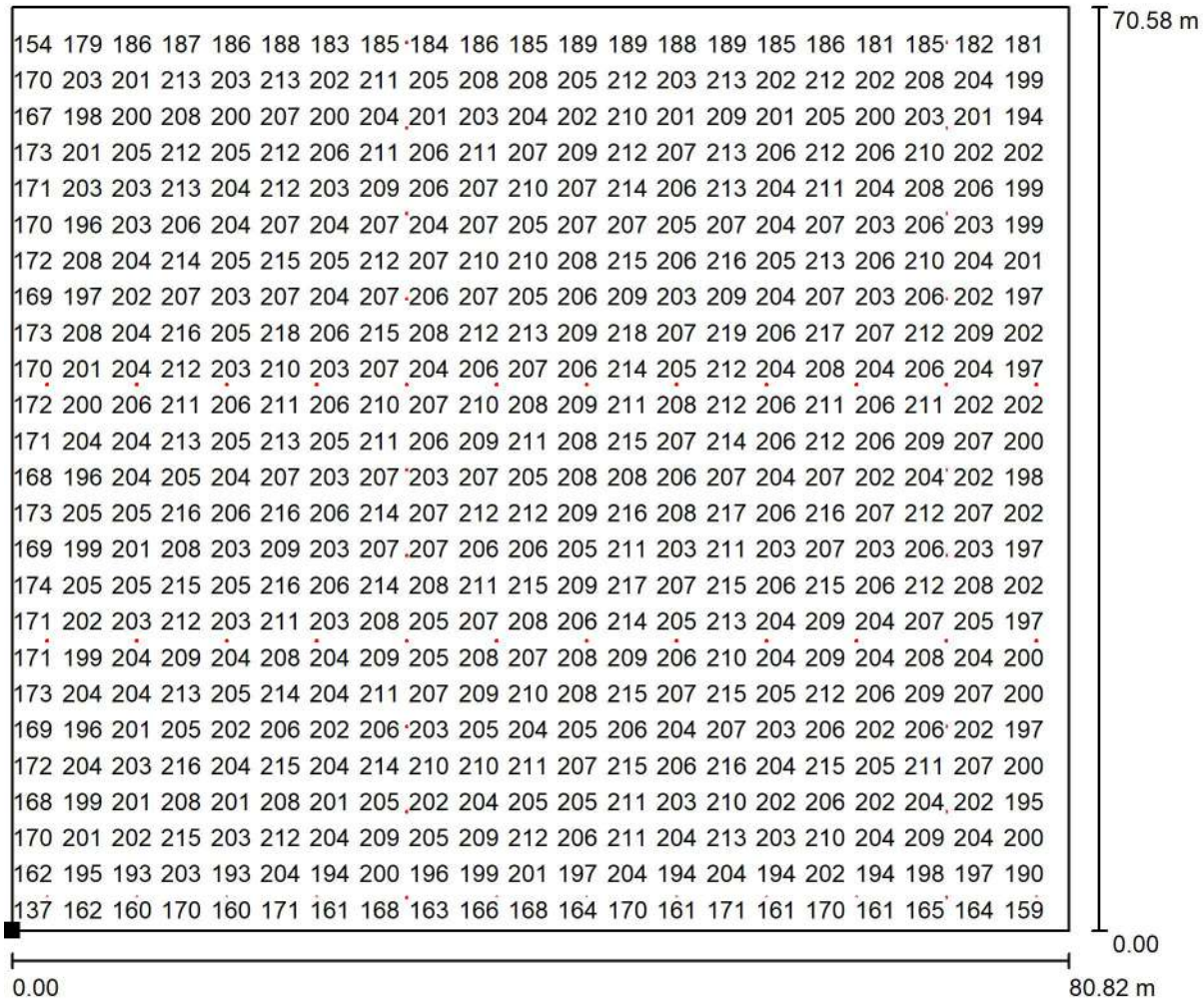
GLASS STORAGE-2 / Workplane / Value Chart (E)



Values in Lux, Scale 1 : 578

Not all calculated values could be displayed.

Position of surface in room:
Marked point:
(80.698 m, 211.884 m, 0.760 m)

Grid: 128 x 128 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
200	109	222	0.544	0.489

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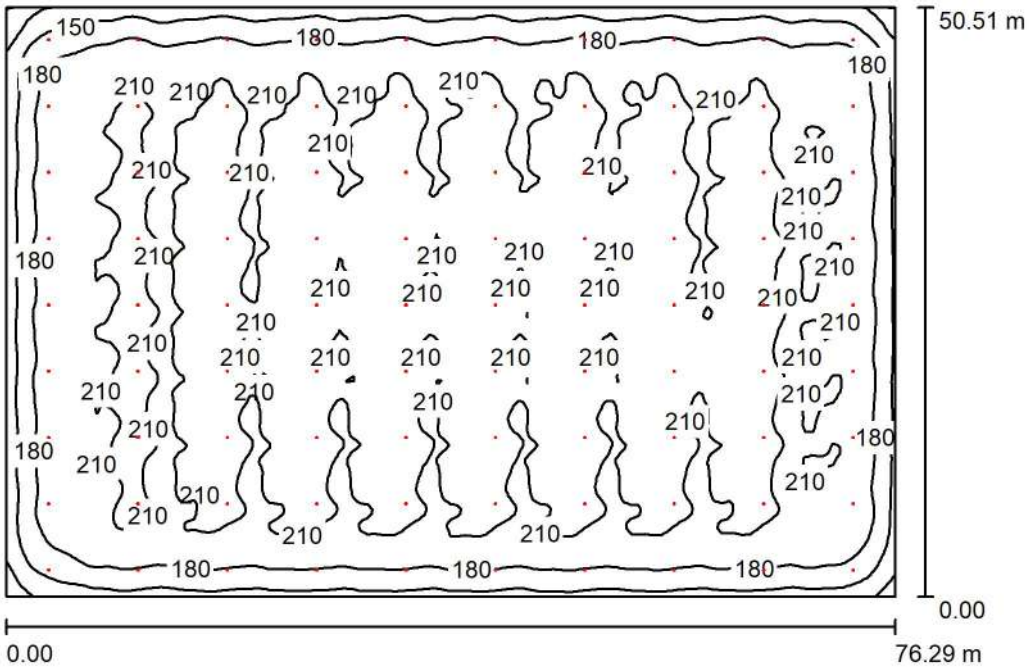
RAW MATERIEAL / Summary



Height of Room: 7.500 m, Mounting Height: 7.500 m, Light loss factor: 0.80 Values in Lux, Scale 1:649

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0
Workplane	/	200	89	223	0.445
Floor	20	198	94	224	0.475
Ceiling	70	38	27	42	0.694
Walls (4)	50	72	29	199	/

Workplane:
Height: 0.760 m
Grid: 128 x 128 Points
Boundary Zone: 0.000 m
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.356, Ceiling / Working Plane: 0.192.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	90	Halonix 100W LED Bay Light CWL (1.000)	10101	10100	100.0
			Total: 909117	Total: 909000	9000.0

Specific connected load: 2.34 W/m² = 1.17 W/m²/100 lx (Ground area: 3853.06 m²)

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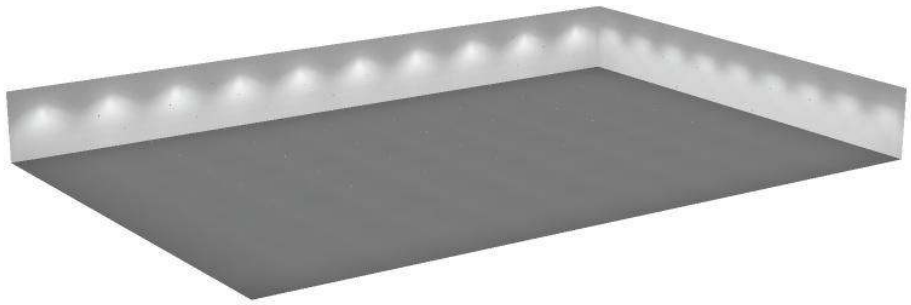
RAW MATERIEAL / 3D Rendering



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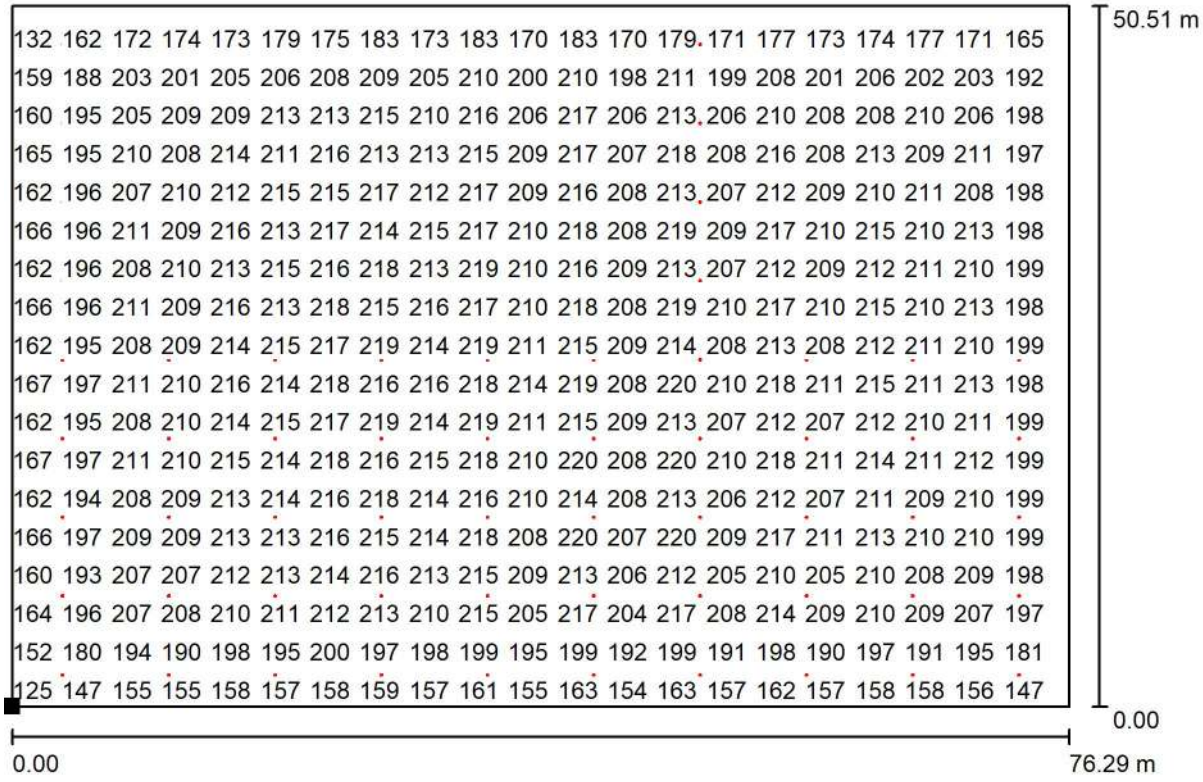
RAW MATERIEAL / Workplane / Value Chart (E)



Values in Lux, Scale 1 : 546

Not all calculated values could be displayed.

Position of surface in room:
Marked point:
(-146.700 m, 206.076 m, 0.760 m)

Grid: 128 x 128 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
200	89	223	0.445	0.400

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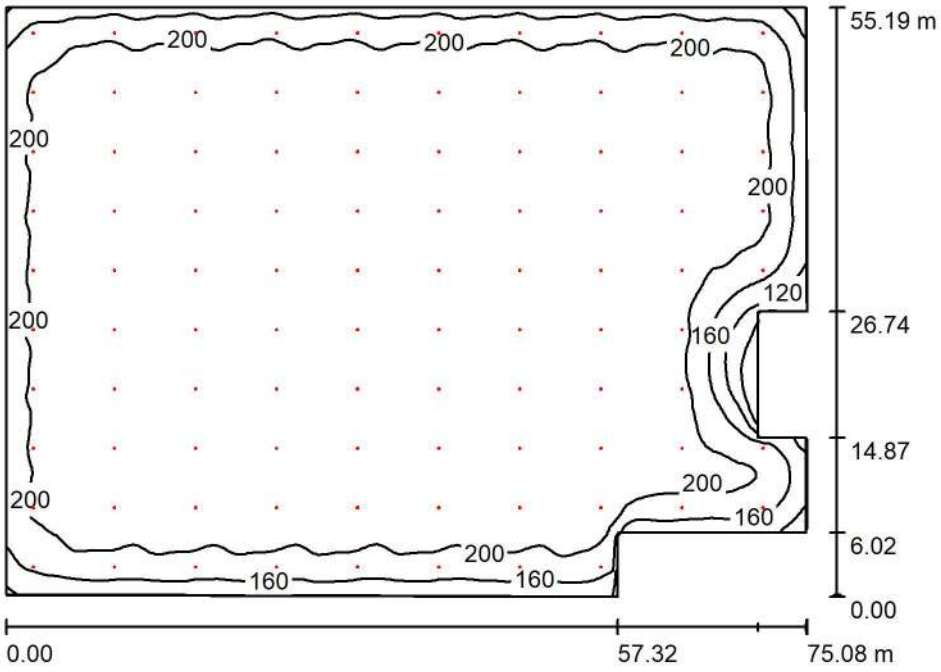
RAW MATERIEAL / Summary



Height of Room: 7.500 m, Mounting Height: 7.500 m, Light loss factor: 0.80 Values in Lux, Scale 1:709

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0
Workplane	/	206	57	229	0.279
Floor	20	204	69	232	0.339
Ceiling	70	40	25	57	0.632
Walls (10)	50	76	27	1022	/

Workplane:
Height: 0.760 m
Grid: 128 x 128 Points
Boundary Zone: 0.000 m
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.358, Ceiling / Working Plane: 0.193.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	96	Halonix 100W LED Bay Light CWL (1.000)	10101	10100	100.0
			Total: 969725	Total: 969600	9600.0

Specific connected load: 2.41 W/m² = 1.17 W/m²/100 lx (Ground area: 3975.23 m²)

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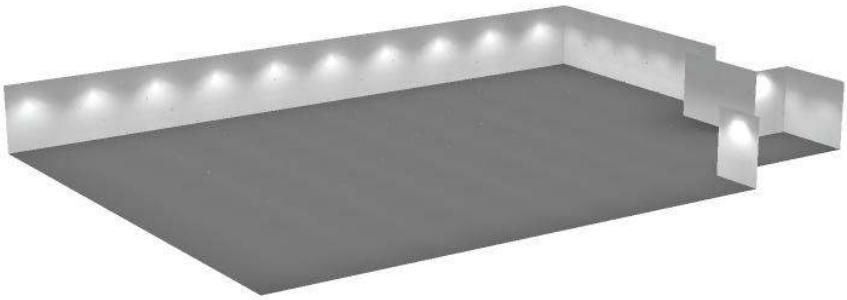
RAW MATERIEAL / 3D Rendering



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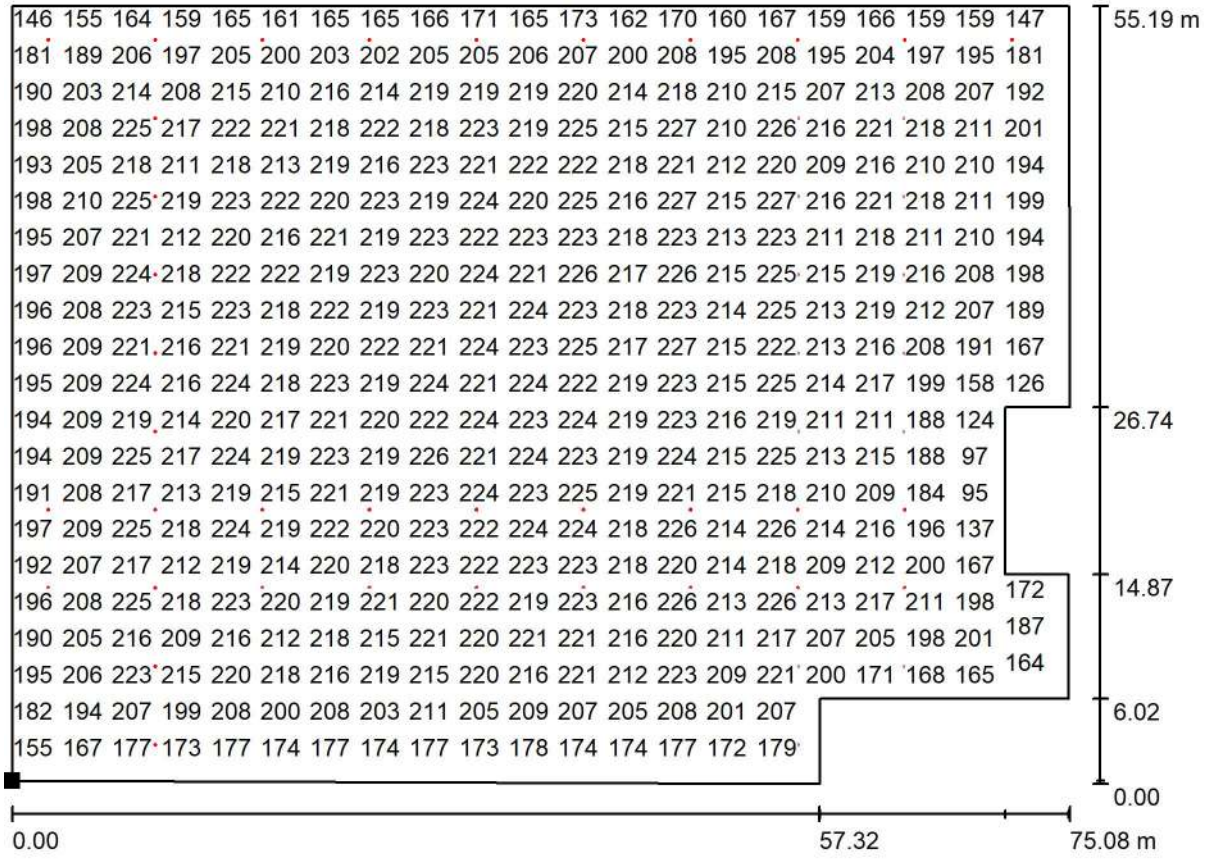
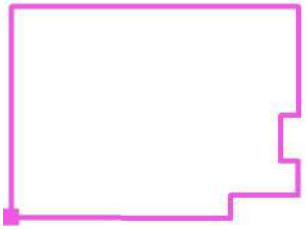
RAW MATERIEAL / Workplane / Value Chart (E)



Values in Lux, Scale 1 : 537

Not all calculated values could be displayed.

Position of surface in room:
Marked point:
(-148.431 m, 320.958 m, 0.760 m)



Grid: 128 x 128 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
206	57	229	0.279	0.250

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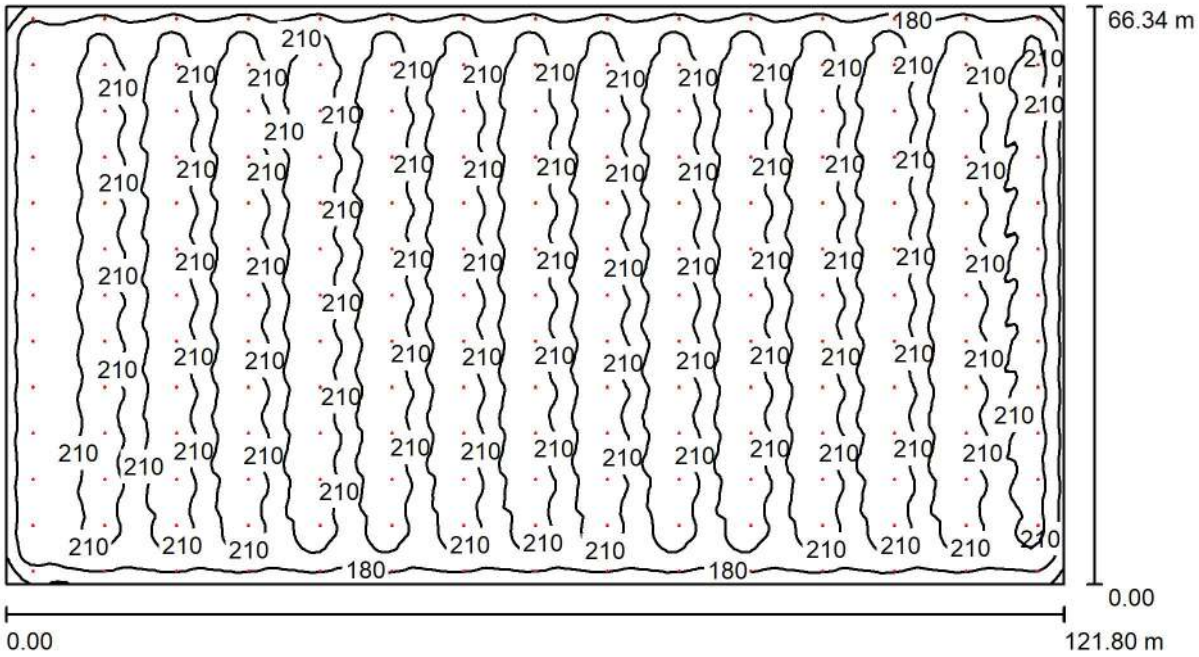
MODULE LINE BAY-1 / Summary



Height of Room: 7.500 m, Mounting Height: 7.500 m, Light loss factor: 0.80 Values in Lux, Scale 1:871

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0
Workplane	/	209	127	229	0.607
Floor	20	207	126	223	0.606
Ceiling	70	41	35	57	0.843
Walls (4)	50	89	34	544	/

Workplane:
Height: 0.760 m
Grid: 128 x 128 Points
Boundary Zone: 0.000 m
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.421, Ceiling / Working Plane: 0.198.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	195	Halonix 100W LED Bay Light CWL (1.000)	10101	10100	100.0
			Total: 1969753	Total: 1969500	19500.0

Specific connected load: 2.41 W/m² = 1.15 W/m²/100 lx (Ground area: 8080.21 m²)

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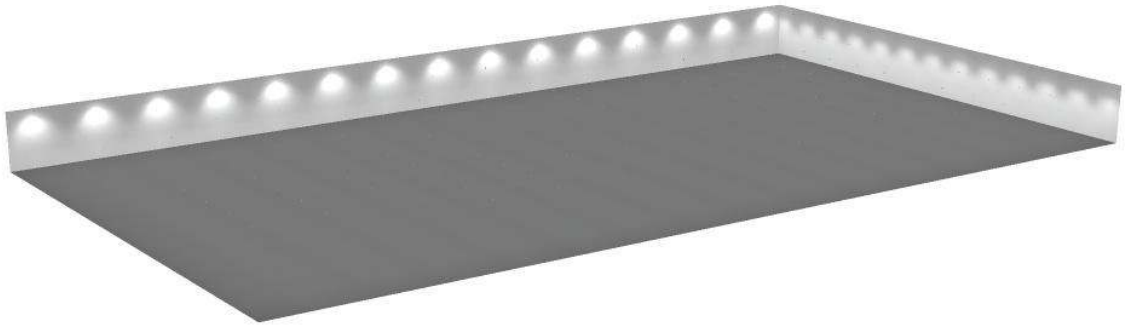
MODULE LINE BAY-1 / 3D Rendering



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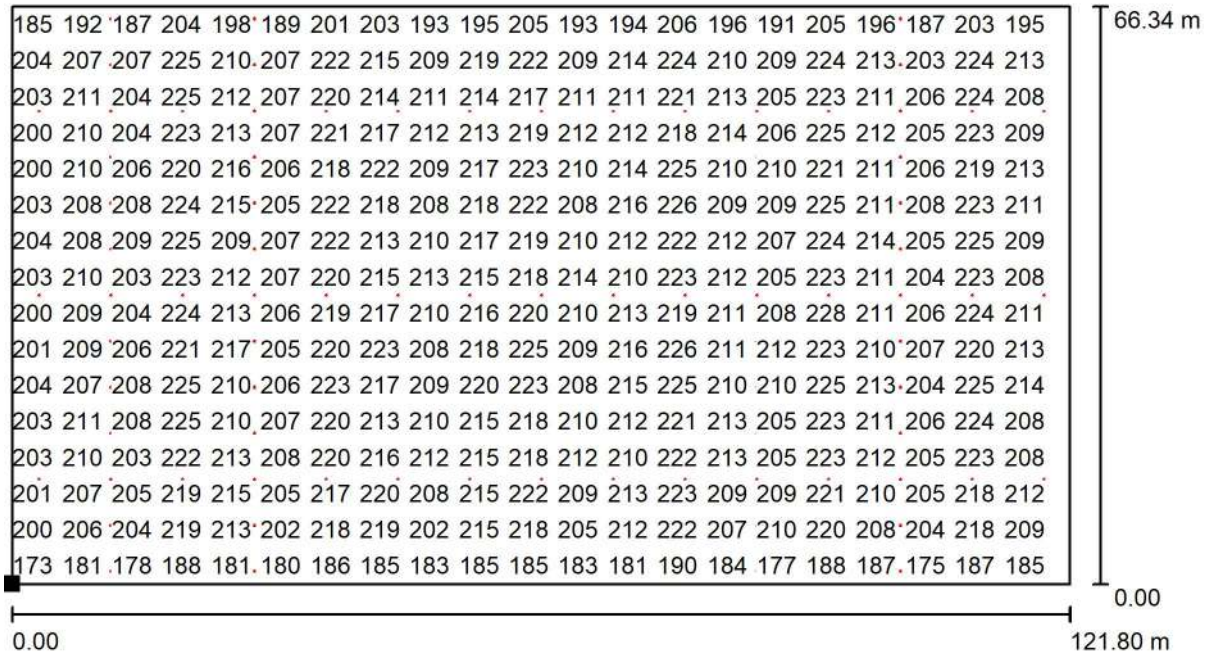
MODULE LINE BAY-1 / Workplane / Value Chart (E)



Values in Lux, Scale 1 : 871

Not all calculated values could be displayed.

Position of surface in room:
Marked point:
(-52.547 m, 222.043 m, 0.760 m)

Grid: 128 x 128 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
209	127	229	0.607	0.554

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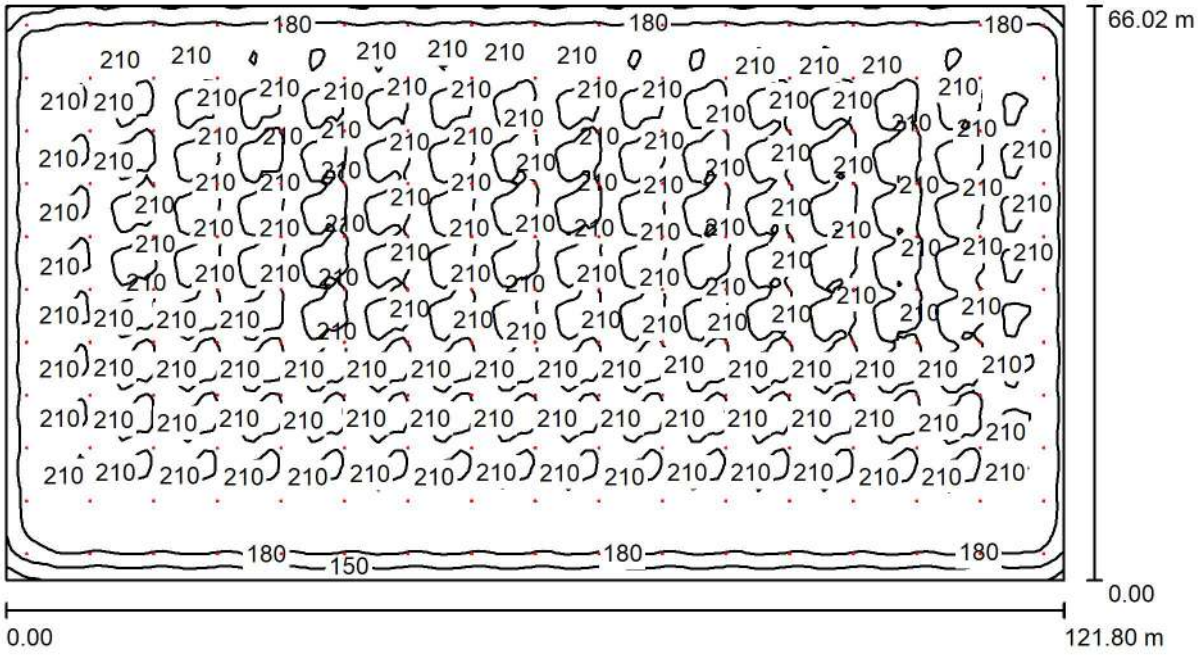
MODULE LINE BAY-2 / Summary



Height of Room: 7.500 m, Mounting Height: 7.500 m, Light loss factor: 0.80 Values in Lux, Scale 1:871

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0
Workplane	/	203	108	220	0.533
Floor	20	201	111	218	0.550
Ceiling	70	40	28	47	0.718
Walls (4)	50	80	31	226	/

Workplane:
Height: 0.760 m
Grid: 128 x 128 Points
Boundary Zone: 0.000 m
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.392, Ceiling / Working Plane: 0.196.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	187	Halonix 100W LED Bay Light CWL (1.000)	10101	10100	100.0
			Total: 1888943	Total: 1888700	18700.0

Specific connected load: 2.33 W/m² = 1.15 W/m²/100 lx (Ground area: 8041.62 m²)

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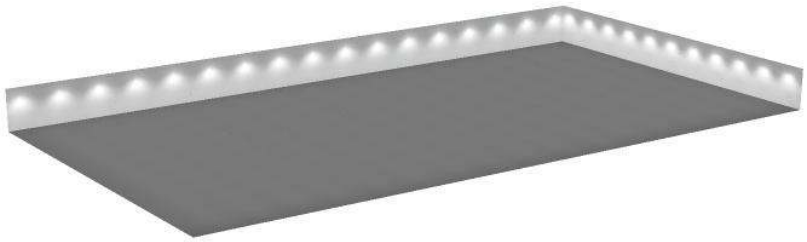
MODULE LINE BAY-2 / 3D Rendering



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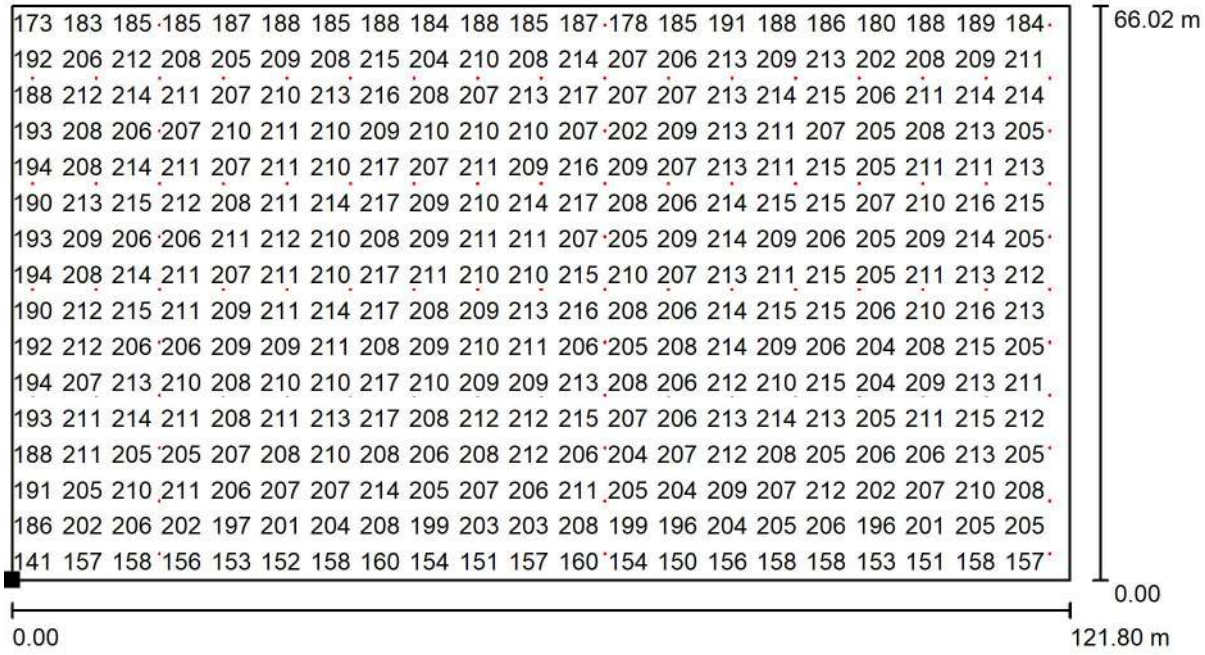
MODULE LINE BAY-2 / Workplane / Value Chart (E)



Values in Lux, Scale 1 : 871

Not all calculated values could be displayed.

Position of surface in room:
Marked point:
(-52.547 m, 294.097 m, 0.760 m)

Grid: 128 x 128 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
203	108	220	0.533	0.492