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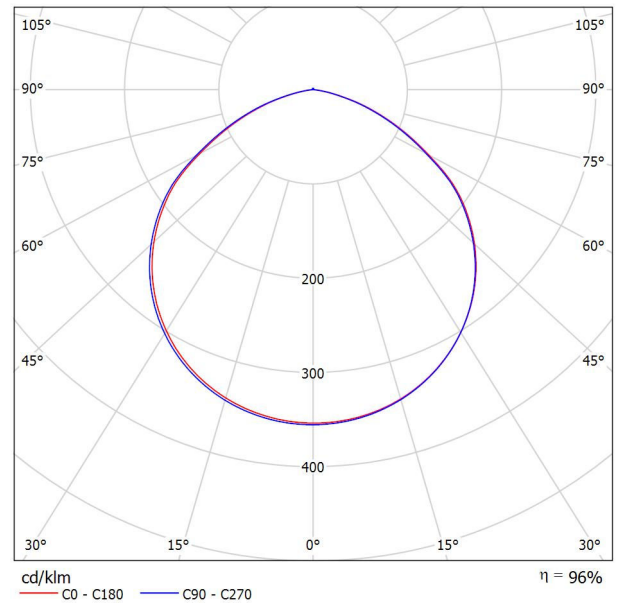
Coydon Lighting UFO LED High Bay light / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100
CIE flux code: 50 84 98 100 96

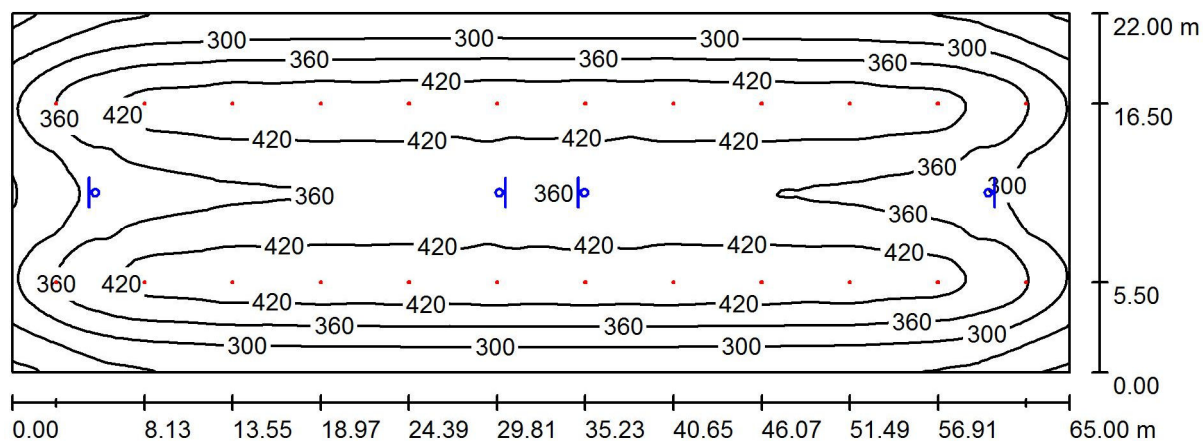
Luminous emittance 1:



Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

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Room 1 / Summary



Height of Room: 8.000 m, Mounting Height: 7.500 m, Light loss factor: 0.80

Values in Lux, Scale 1:465

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	363	165	459	0.454
Floor	20	353	185	426	0.525
Ceiling	70	74	57	154	0.776
Walls (4)	50	160	58	412	/

Workplane:

Height: 0.850 m
Grid: 128 x 64 Points
Boundary Zone: 0.000 m

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	24	Coydon Lighting UFO LED High Bay light (Type 1)* (1.000)	28675	29775	204.0

*Modified Technical Specifications

Total: 688197 Total: 714600 4896.0

Specific connected load: $3.42 \text{ W/m}^2 = 0.94 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 1430.00 m^2)

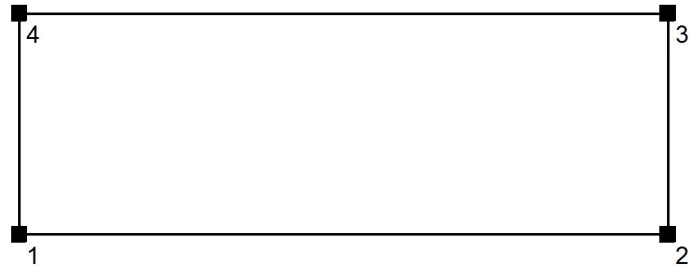
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Room 1 / Input Protocol

Height of working plane: 0.850 m
Boundary Zone: 0.000 m

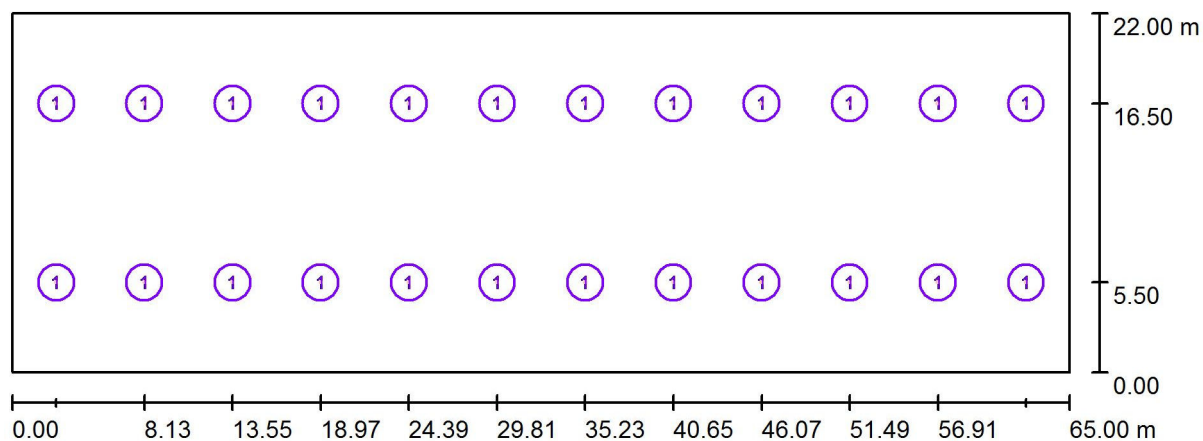
Light loss factor: 0.80

Height of Room: 8.000 m
Ground area: 1430.00 m²



Surface	Rho [%]	from ([m] [m])	towards ([m] [m])	Length [m]
Floor	20	/	/	/
Ceiling	70	/	/	/
Wall 1	50	(0.000 0.000)	(65.000 0.000)	65.000
Wall 2	50	(65.000 0.000)	(65.000 22.000)	22.000
Wall 3	50	(65.000 22.000)	(0.000 22.000)	65.000
Wall 4	50	(0.000 22.000)	(0.000 0.000)	22.000

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Room 1 / Luminaires (layout plan)

Scale 1 : 465

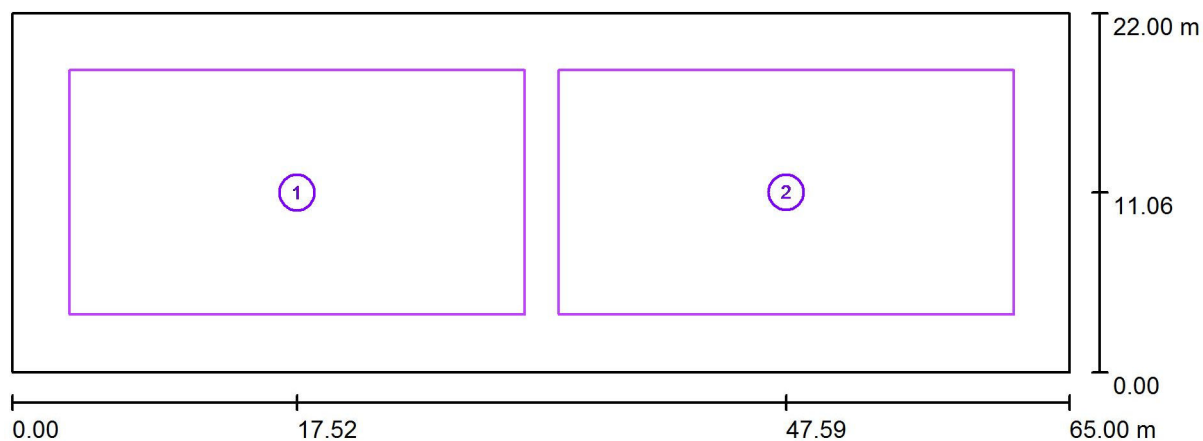
Luminaire Parts List

No.	Pieces	Designation
1	24	Coydon Lighting UFO LED High Bay light (Type 1)*

*Modified Technical Specifications

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Room 1 / Calculation Grid (Coordinates List)



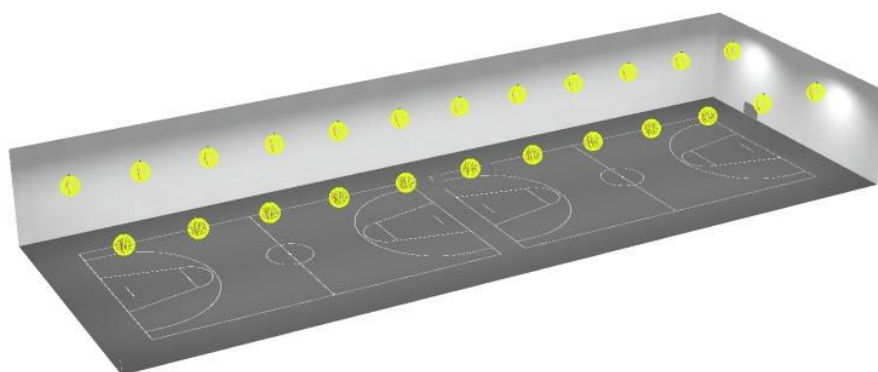
Scale 1 : 465

List of the Calculation Grids

No.	Designation	Position [m]			Size [m]		Rotation [°]		
		X	Y	Z	L	W	X	Y	Z
1	Calculation Grid 1	17.523	11.057	0.000	27.993	14.995	0.0	0.0	0.0
2	Calculation Grid 2	47.590	11.059	0.000	27.998	15.004	0.0	0.0	0.0

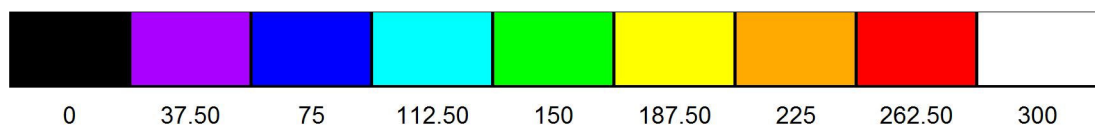
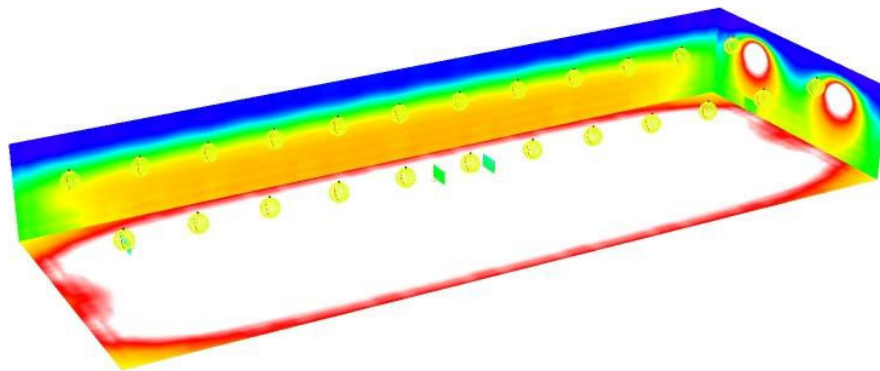
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Room 1 / 3D Rendering



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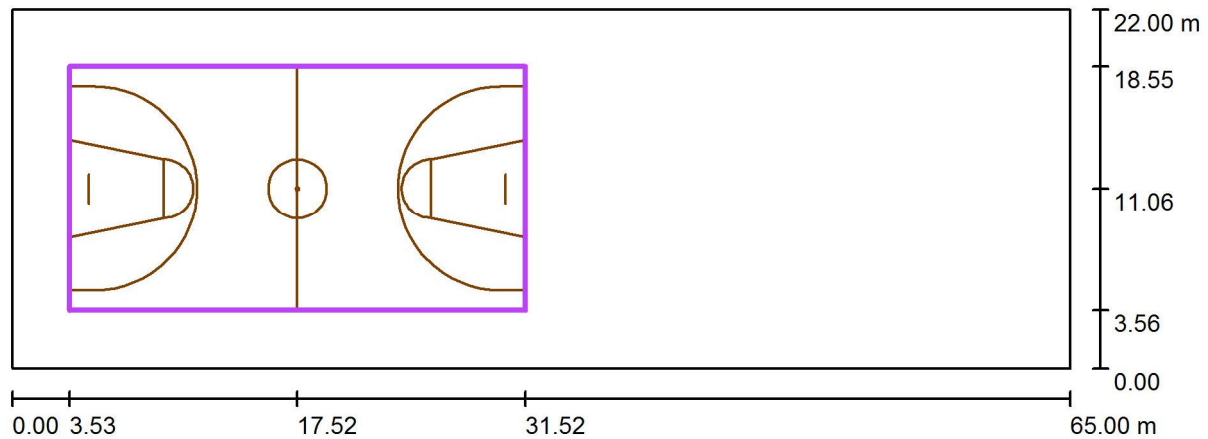
Room 1 / False Color Rendering



lx

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Room 1 / Calculation Grid 1 / Summary



Scale 1 : 465

Position: (17.523 m, 11.057 m, 0.000 m)
Size: (27.993 m, 14.995 m)
Rotation: (0.0°, 0.0°, 0.0°)
Type: Normal, Grid: 13 x 7 Points
Belongs to the following sport arena: Basketball 1

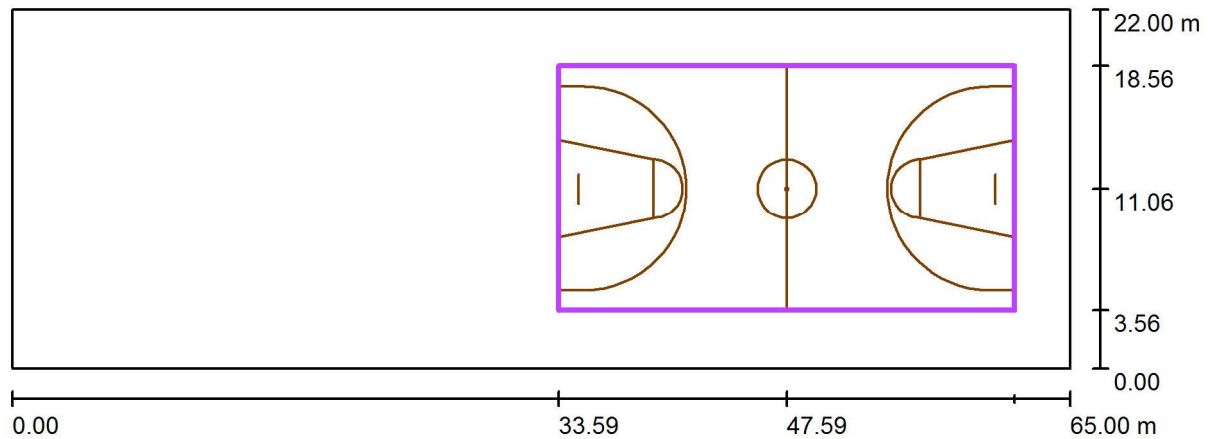
Results overview

No.	Type	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}	$E_{h\ m} / E_m$	H [m]	Camera
1	perpendicular	391	315	425	0.80	0.74	/	0.000	/

$E_{h\ m} / E_m$ = Relationship between middle horizontal and vertical illuminance, H = Measuring Height

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Room 1 / Calculation Grid 2 / Summary



Scale 1 : 465

Position: (47.590 m, 11.059 m, 0.000 m)
Size: (27.998 m, 15.004 m)
Rotation: (0.0°, 0.0°, 0.0°)
Type: Normal, Grid: 13 x 7 Points
Belongs to the following sport arena: Basketball 2

Results overview

No.	Type	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}	$E_{h\ m} / E_m$	H [m]	Camera
1	perpendicular	392	316	425	0.81	0.74	/	0.000	/

$E_{h\ m} / E_m$ = Relationship between middle horizontal and vertical illuminance, H = Measuring Height