EN 12464 Report

Audit Header

Project	occluder_room_diffuse
Project Revision	5
Job ID	job_direct
Job Hash	39894603cb3b25a1902ac8d0d075b281bb654a54ece0be21529c11fe8e10347d
Solver Version	0.2.0
Git Commit	unknown
Photometry Hashes	{'asset_1': 'c2afac9722125d6d8dbab260bf146e01713653fcd1f55888704dab208748d834'}
Coordinate Convention	Local luminaire frame: +Z up, nadir is -Z; C=0 toward +X, C=90 toward +Y
Units	{'angles': 'deg', 'illuminance': 'lux', 'length': 'm', 'luminous_flux': 'lm', 'luminous_intensity': 'cd'}

Inputs

Room	OccluderProxy
Dimensions	7.0 x 6.0 x 3.0 m
Floor reflectance	0.2
Wall reflectance	0.5
Ceiling reflectance	0.7

Luminaire Schedule

	Rotation/Aim	LLF
	{'type': 'euler_zyx', 'euler_deg': (0.0, 0.0, 0.0), 'aim': None, 'up': None, 'matrix': None}	1.0

Per-Grid Statistics

	mean	max
	34.03250574440702	181.41166

Calculation Tables

Grid Tables

	Area	Min
	None	0.0

Zone Compliance Tables

No zone compliance data available.

Worst-Case Summary

global_worst_min_lux	0.0
global_worst_uniformity_ratio	0.0
global_highest_ugr	0.0

Compliance

pass_fail_reasons	[]

UGR Summary

No UGR results available for this job.

Assumptions

A1	Coordinate convention: local luminaire frame +Z up, nadir -Z; Type C C=0 toward +X, C=90 toward
A2	Supported photometric types: Type C only.
A3	TILT factors are applied against gamma (vertical) angle; out-of-range tilt angles are clamped.
A4	Direct occlusion uses hard-shadow binary ray blocking.
A5	Luminaire tilt is applied when photometry includes tilt data; otherwise tilt has no effect.
A6	Direct solver uses no inter-reflection reflectance model (direct-only irradiance).

M1	Coordinate convention: local luminaire frame +Z up, nadir -Z; Type C C=0 toward +X, C=90 toward
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M6	Direct solver uses no inter-reflection reflectance model (direct-only irradiance).
M7	TILT applied: no
M8	TILT application angle: gamma (vertical angle)
M9	Units contract: {'angles': 'deg', 'illuminance': 'lux', 'length': 'm', 'luminous_flux': 'lm', 'luminous_intensit
M10	Occlusion mode: enabled
M11	Supported photometric types: Type C only.
M12	Backend version: cpu@0.2.0

Photometry Warnings

	asset/luminaire	message
	asset_1	Missing recommended [MANUFAC] keyword.

	asset_1	Missing recommended [LUMCAT] keyword.
	lum_1	Luminaire lum_1 has calc points in potential near-field

Unsupported Features

U1	Penumbra/area-light soft shadowing is not implemented in CPU direct backend.