

Huddersfield Railway Station

Proposed Locations

Project: Huddersfield Railway Station
Scheme: 24-434-3A
Project Engineer: Dan Gormley
Contact: Neil Dixon
Company: AHR

Date: 11.11.2024
Operator: Michael Walker

DW Windsor Lighting

Pindar Road, Hoddesdon, Hertfordshire, EN110DX

Operator Michael Walker

Telephone 01992 474 600

Fax

e-Mail michaelwalker@dwwindsor.co.uk

Table of contents

Huddersfield Railway Station

Project Cover	1
Table of contents	2
DW Windsor Polar 450- LX3- 32LED- C2- Bowl 800mA UMSUG 42 0082 0000...	
Luminaire Data Sheet	3
DW Windsor Polar 450- LX3-32LED-3k-A1-Bowl 800mA UMSUG 42 0082 0000...	
Luminaire Data Sheet	4
Entrance Area	
Planning data	5
Luminaire parts list	6
3D Rendering	7
False Colour Rendering	8
Exterior Surfaces	
Ramp	
Summary	9
Entrance Area	
Summary	10

DW Windsor Lighting

Pindar Road, Hoddesdon, Hertfordshire, EN110DX

Operator Michael Walker

Telephone 01992 474 600

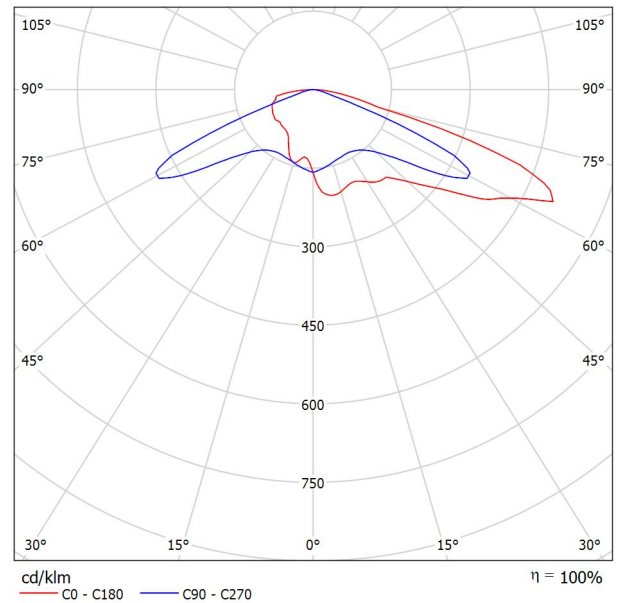
Fax

e-Mail michaelwalker@dwwindsor.co.uk

DW Windsor Polar 450- LX3- 32LED- C2- Bowl 800mA UMSUG 42 0082 0000 100 Polar 450-32LED-C2 / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 24 55 93 100 100

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

DW Windsor Lighting

Pindar Road, Hoddesdon, Hertfordshire, EN110DX

Operator Michael Walker

Telephone 01992 474 600

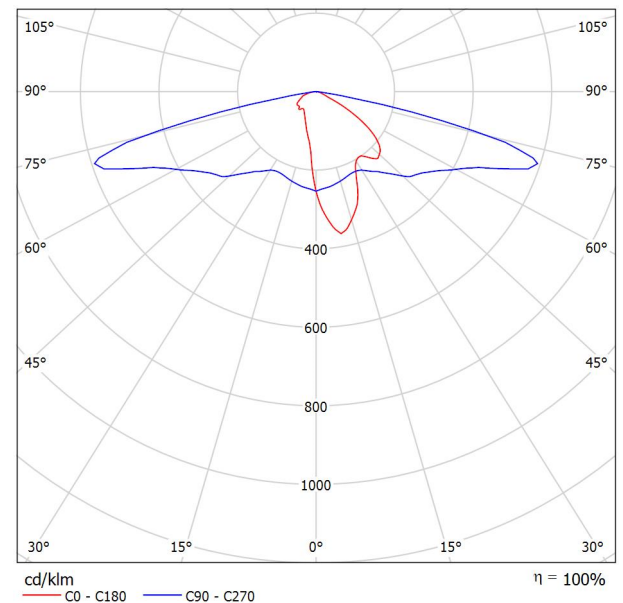
Fax

e-Mail michaelwalker@dwwindsor.co.uk

DW Windsor Polar 450- LX3-32LED-3k-A1-Bowl 800mA UMSUG 42 0082 0000 100 Polar 450-32LED-A1 / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 30 62 93 100 100

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

DW Windsor Lighting

Pindar Road, Hoddesdon, Hertfordshire, EN110DX

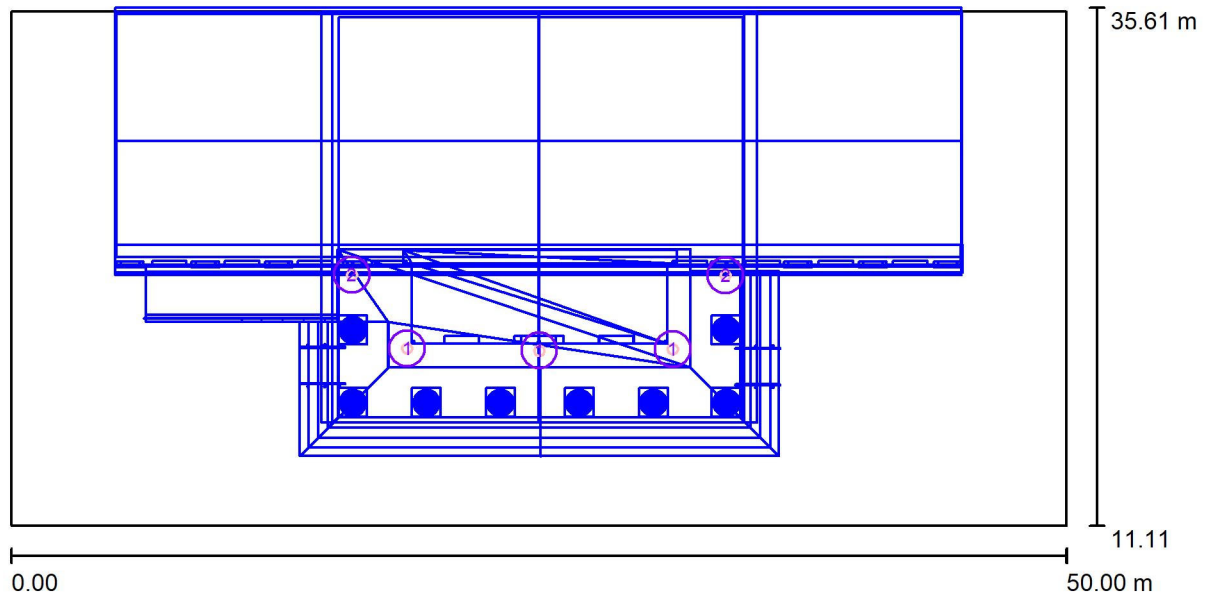
Operator Michael Walker

Telephone 01992 474 600

Fax

e-Mail michaelwalker@dwwindsor.co.uk

Entrance Area / Planning data



Maintenance factor: 0.84, ULR (Upward Light Ratio): 0.0%

Scale 1:358

Please note that this proposed lighting scheme is a lighting solution that has been designed with information provided by the client. The solution does not include site, installation engineering or any risk assessment considerations for CDM.

Target Levels:
100lux Eav, 50%Uo

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	3	DW Windsor Polar 450- LX3- 32LED- C2- Bowl 800mA UMSUG 42 0082 0000 100 Polar 450-32LED-C2 (1.000)	8185	8184	82.0
2	2	DW Windsor Polar 450- LX3-32LED-3k-A1- Bowl 800mA UMSUG 42 0082 0000 100 Polar 450-32LED-A1 (1.000)	8202	8234	82.0
Total:			40958	41020	410.0

DW Windsor Lighting

Pindar Road, Hoddesdon, Hertfordshire, EN110DX

Operator Michael Walker

Telephone 01992 474 600

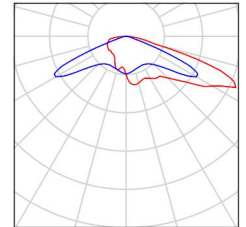
Fax

e-Mail michaelwalker@dwwindsor.co.uk

Entrance Area / Luminaire parts list

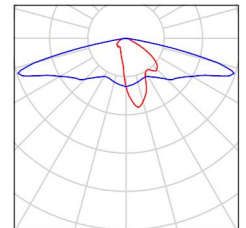
3 Pieces DW Windsor Polar 450- LX3- 32LED- C2- Bowl
800mA UMSUG 42 0082 0000 100 Polar 450-
32LED-C2
Article No.: Polar 450- LX3- 32LED- C2- Bowl
800mA UMSUG 42 0082 0000 100
Luminous flux (Luminaire): 8185 lm
Luminous flux (Lamps): 8184 lm
Luminaire Wattage: 82.0 W
Luminaire classification according to CIE: 100
CIE flux code: 24 55 93 100 100
Fitting: 1 x 32 x 3K LED (Correction Factor
1.000).

See our luminaire
catalog for an image of
the luminaire.



2 Pieces DW Windsor Polar 450- LX3-32LED-3k-A1-Bowl
800mA UMSUG 42 0082 0000 100 Polar 450-
32LED-A1
Article No.: Polar 450- LX3-32LED-3k-A1-Bowl
800mA UMSUG 42 0082 0000 100
Luminous flux (Luminaire): 8202 lm
Luminous flux (Lamps): 8234 lm
Luminaire Wattage: 82.0 W
Luminaire classification according to CIE: 100
CIE flux code: 30 62 93 100 100
Fitting: 1 x 32x 3K LED (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



DW Windsor Lighting

Pindar Road, Hoddesdon, Hertfordshire, EN110DX

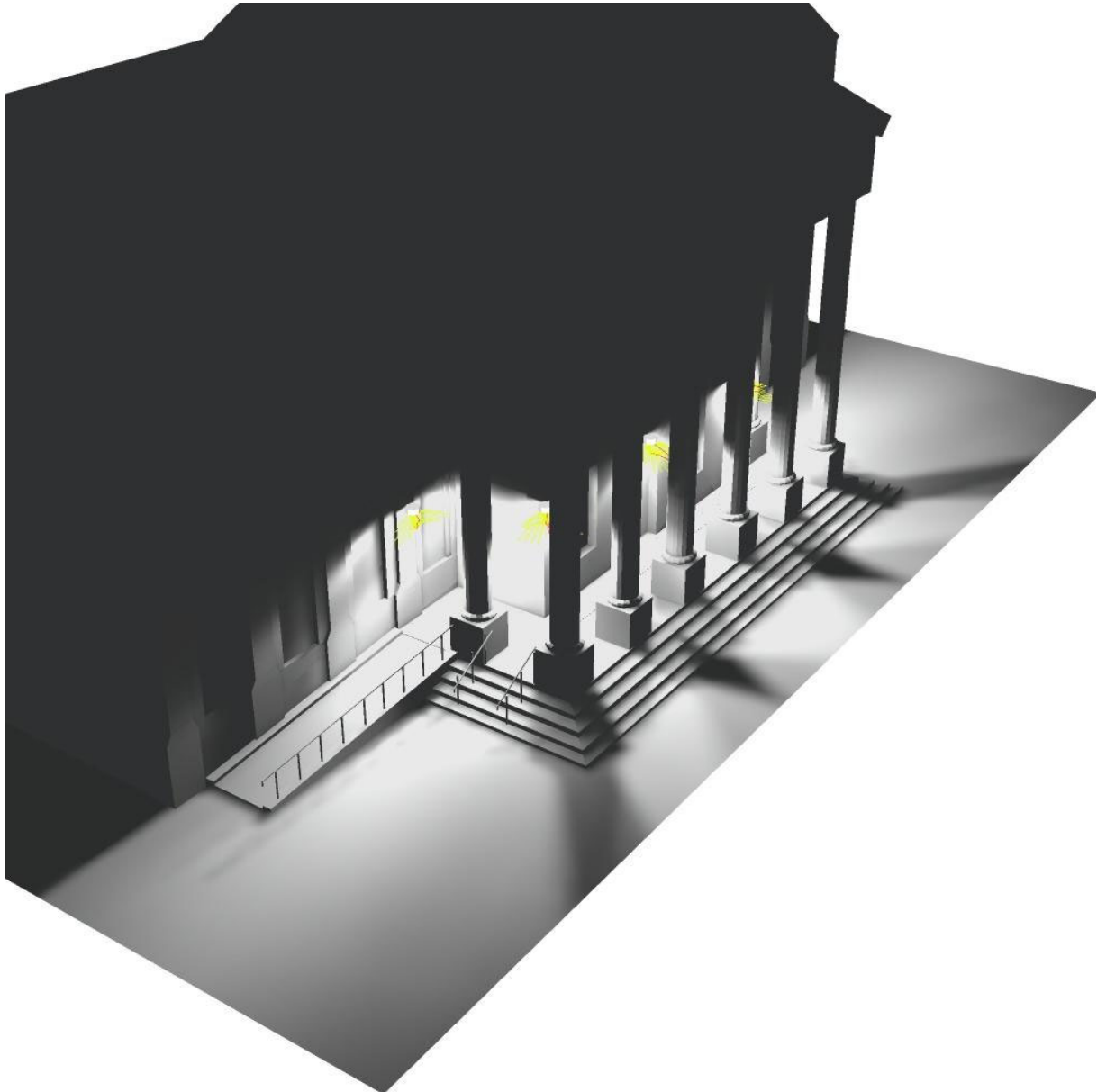
Operator Michael Walker

Telephone 01992 474 600

Fax

e-Mail michaelwalker@dwwindsor.co.uk

Entrance Area / 3D Rendering



DW Windsor Lighting

Pindar Road, Hoddesdon, Hertfordshire, EN110DX

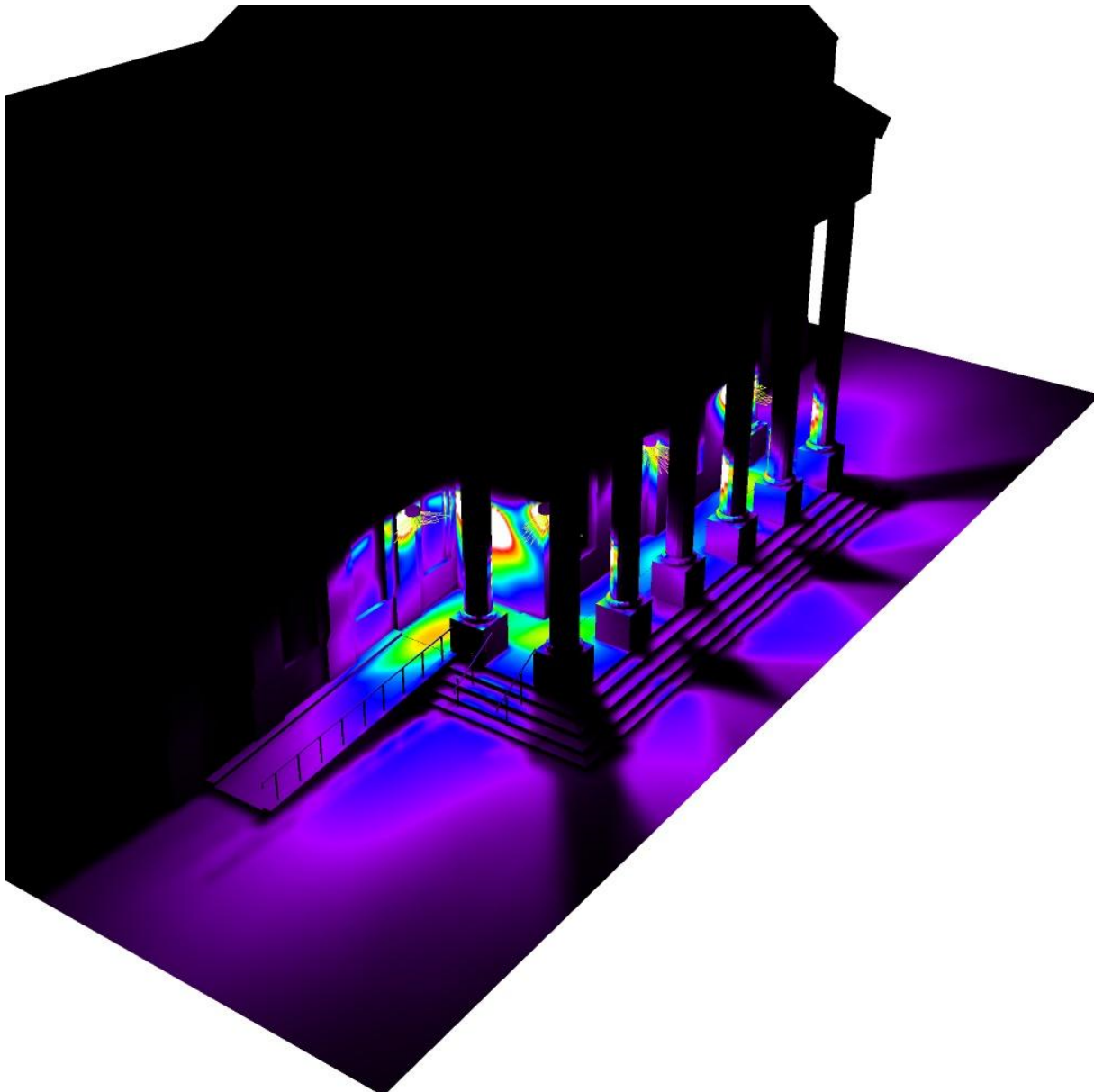
Operator Michael Walker

Telephone 01992 474 600

Fax

e-Mail michaelwalker@dwwindsor.co.uk

Entrance Area / False Colour Rendering



0 25 50 75 100 125 150 175 200

lx

DW Windsor Lighting

Pindar Road, Hoddesdon, Hertfordshire, EN110DX

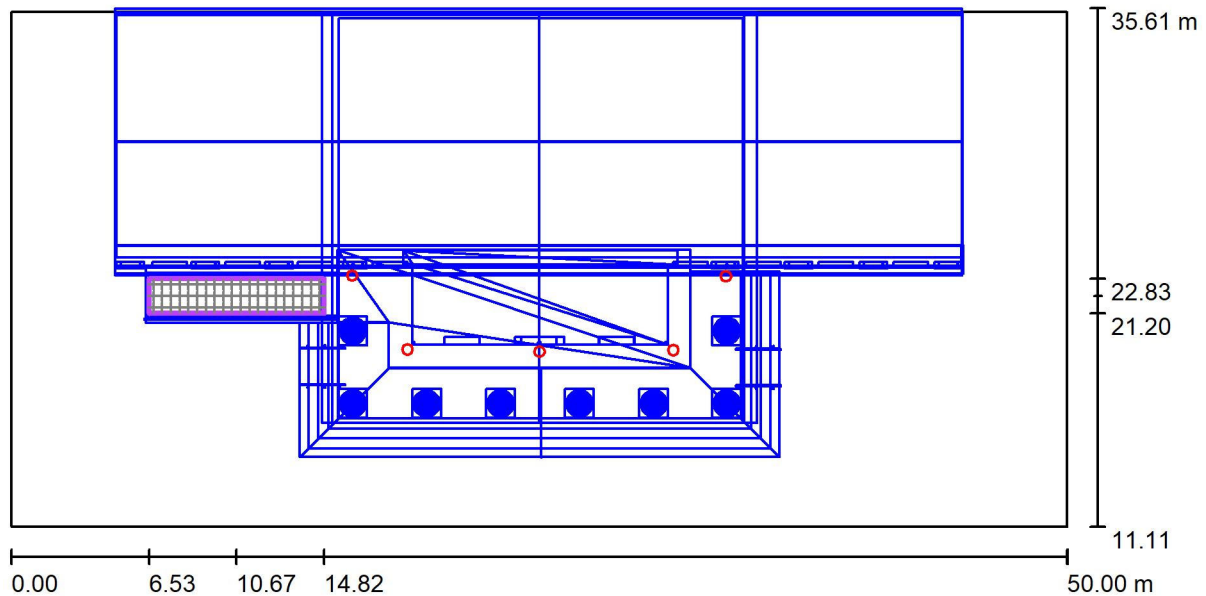
Operator Michael Walker

Telephone 01992 474 600

Fax

e-Mail michaelwalker@dwwindsor.co.uk

Entrance Area / Ramp / Summary



Scale 1 : 358

Position: (10.673 m, 22.017 m, 0.562 m)

Size: (8.319 m, 1.630 m)

Rotation: (0.0°, -4.6°, 0.0°)

Type: Normal, Grid: 20 x 3 Points

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	41	11	120	0.28	0.10	/	0.000	/

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

DW Windsor Lighting

Pindar Road, Hoddesdon, Hertfordshire, EN110DX

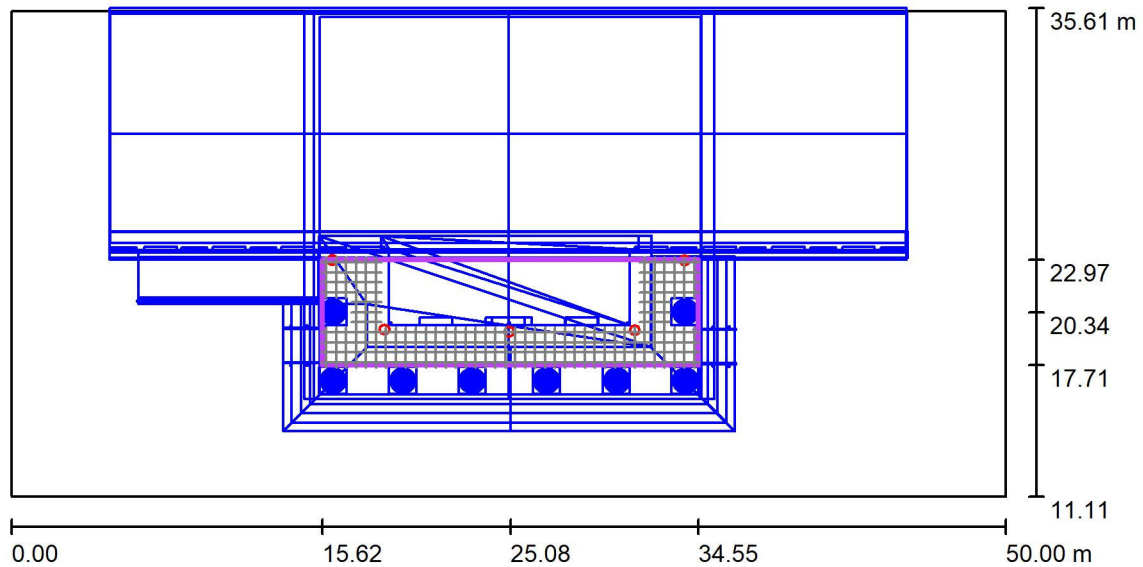
Operator Michael Walker

Telephone 01992 474 600

Fax

e-Mail michaelwalker@dwwindsor.co.uk

Entrance Area / Entrance Area / Summary



Scale 1 : 380

Position: (25.083 m, 20.344 m, 0.929 m)

Size: (18.932 m, 5.261 m)

Rotation: (0.0°, 0.0°, 0.0°)

Type: User defined, Quantity Points: 218

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	91	50	156	0.55	0.32	/	0.000	/

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