

Installation : ext

Project number : 28/038

Customer :

Processed by : James McDowell

Date : 13.06.2025

Object :
Installation : ext
Project number : 28/038
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1 Luminaire data

1.2 Ansell, AGAB1/1 (Gabbro Streetlight)

1.2.1 Data sheet

Manufacturer: Ansell

Gabbro Streetlight AGAB1/1

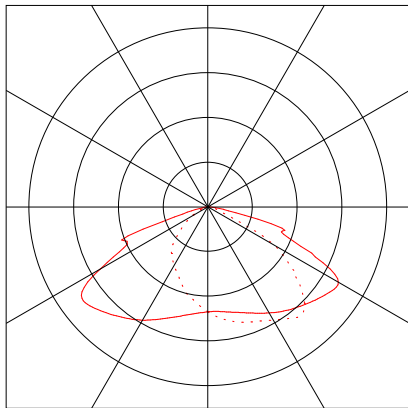
Luminaire data

Absolute Photometry
Luminaire efficacy : 132.87 lm/W
Classification : A30 ↓100% ↑0%
CIE Flux Codes : 39 77 98 100 100
UGR 4H 8H : 33.4 / 21.0
Power : 21.6 W
Luminous flux : 2868.2 lm

Equipped with

Quantity : 1
Designation : 3030led
Colour : 3000K
Colour reproduction : 70

Dimensions : 568 mm x 200 mm x 109 mm



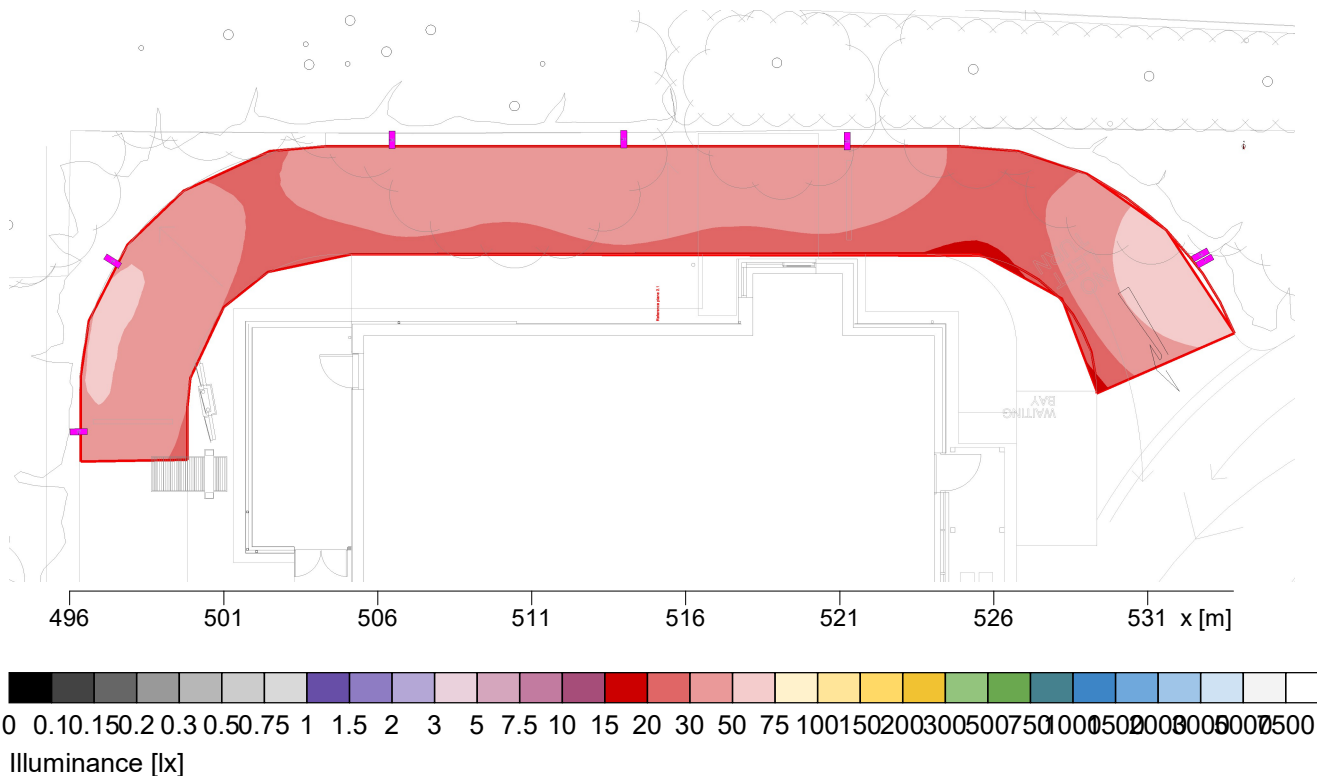
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2 Exterior 1

2.1 Summary, Exterior 1, Light scene 1(C)

2.1.1 Result overview, Evaluation area 1



General

Calculation algorithm used
Height (phot centre)
Maintenance factor

Average indirect fraction
3.95 m
0.80

Total lamp luminous flux
Luminaire luminous flux
Total power
Total power per area (151.18 m²)

14350.00 lm
14340.94 lm
108.0 W
0.71 W/m² (1.94 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

Horizontal
 $\bar{E}_m$ 36.9 lx
 E_{min} 16.8 lx
 $E_{min}/\bar{E}_m (U_o)$ 0.45
 $E_{min}/E_{max} (U_d)$ 0.23
Position 0.00 m

Type No. Make

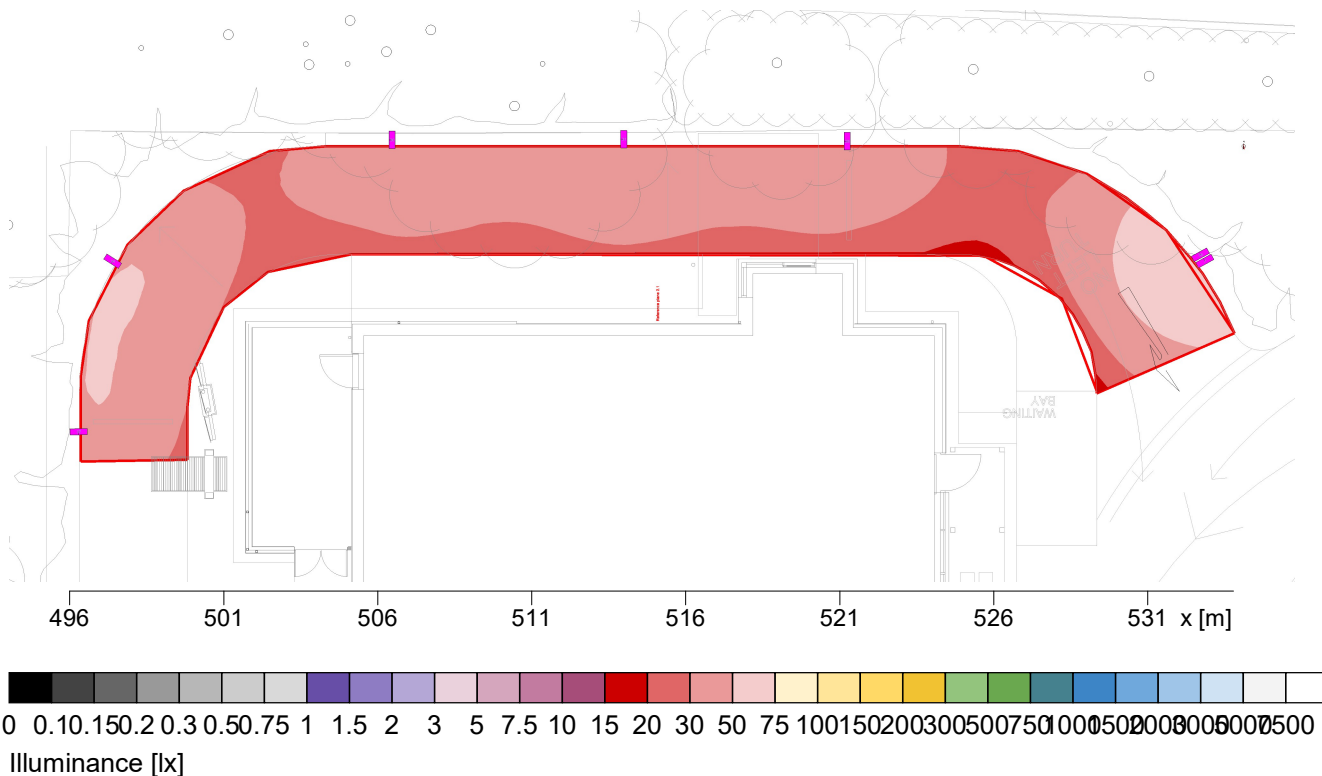
2 5 x
Ansell
Order No. : Gabbro Streetlight
Luminaire name : AGAB1/1
Equipment : 1 x 3030led 21.6 W / 2870 lm

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2.1 Summary, Exterior 1, Light scene 1(C)

2.1.2 Result overview, Evaluation area 2



General

Calculation algorithm used
Height (phot centre)
Maintenance factor

Average indirect fraction
3.95 m
0.80

Total lamp luminous flux
Luminaire luminous flux
Total power
Total power per area (151.75 m²)

17220.00 lm
17209.13 lm
129.6 W
0.85 W/m² (2.31 W/m²/100lx)

Evaluation area 2

Reference plane 2.1

Horizontal
 $\bar{E}_m$ 37 lx
 E_{min} 16.8 lx
 $E_{min}/\bar{E}_m (U_o)$ 0.45
 $E_{min}/E_{max} (U_d)$ 0.23
Position 0.00 m

Type No. Make

2 6 x
Ansell
Order No. : Gabbro Streetlight
Luminaire name : AGAB1/1
Equipment : 1 x 3030led 21.6 W / 2870 lm

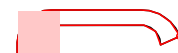
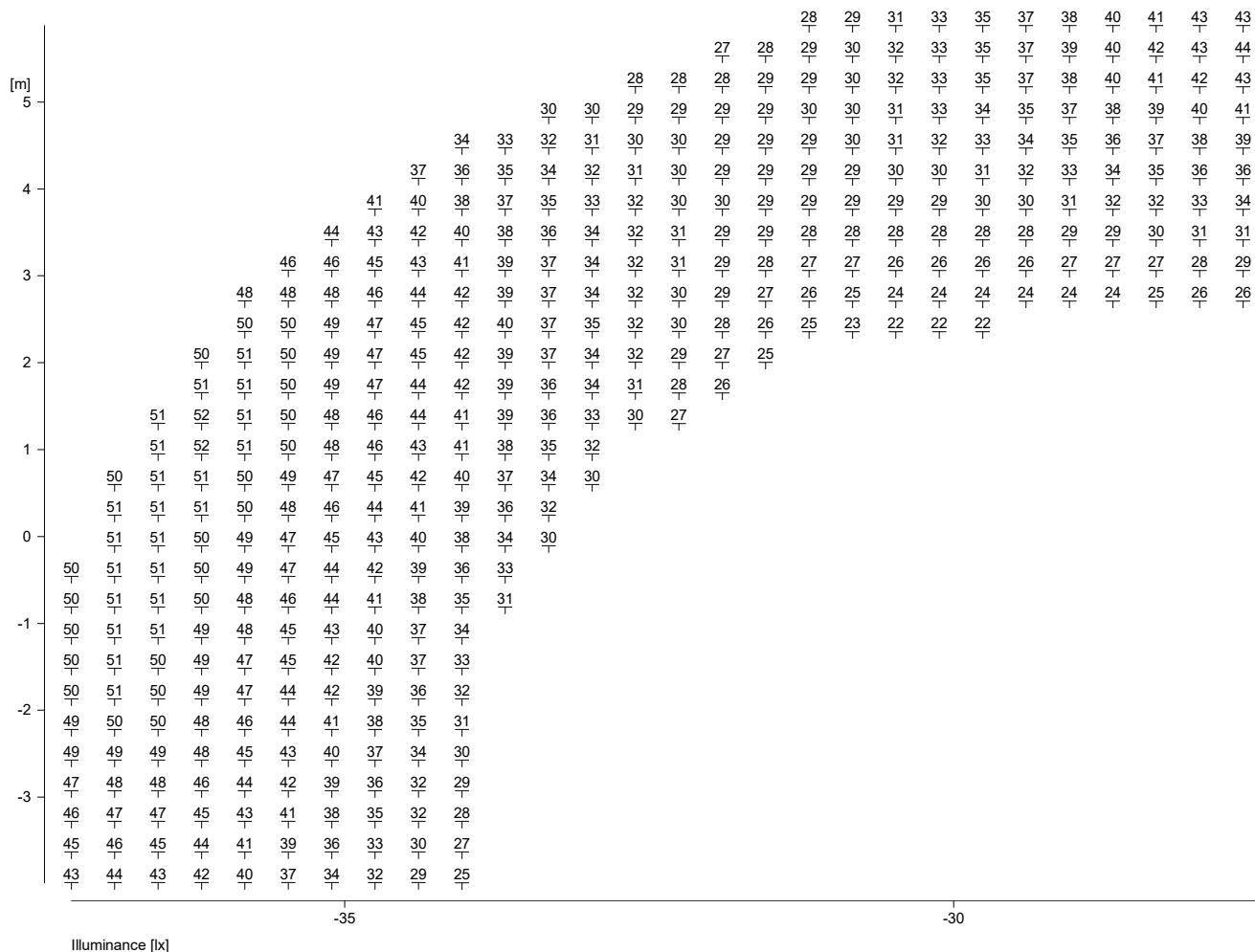
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2 Exterior 1

2.2 Calculation results, Exterior 1, Light scene 1(C)

2.2.1 Table, Reference plane 1.1 (E)



Part1

Height reference plane : 0.00 m
Average illuminance $\bar{E}_m$: 37 lx
Minimum illuminance E_{min} : 16.8 lx
Maximum illuminance E_{max} : 73 lx
Uniformity U_o $E_{min}/\bar{E}_m$: 1 : 2.20 (0.45)

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2 Exterior 1

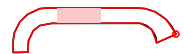
2.2 Calculation results, Exterior 1, Light scene 1(C)

2.2.1 Table, Reference plane 1.1 (E)

44	44	45	44	43	43	41	40	39	38	38	38	38	39	40	41	42	43	44	44	45	45	45	45	45	44	43	42	41
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2 Exterior 1

2.2 Calculation results, Exterior 1, Light scene 1(C)

2.2.1 Table, Reference plane 1.1 (E)

40	39	39	39	39	40	41	41	42	43	43	43	43	42	42	41	39	38	36	34	32	31	29	28	27	26	25	25	
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																										18.6	19.7	21
																												20

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2 Exterior 1

2.2 Calculation results, Exterior 1, Light scene 1(C)

2.2.1 Table, Reference plane 1.1 (E)

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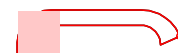
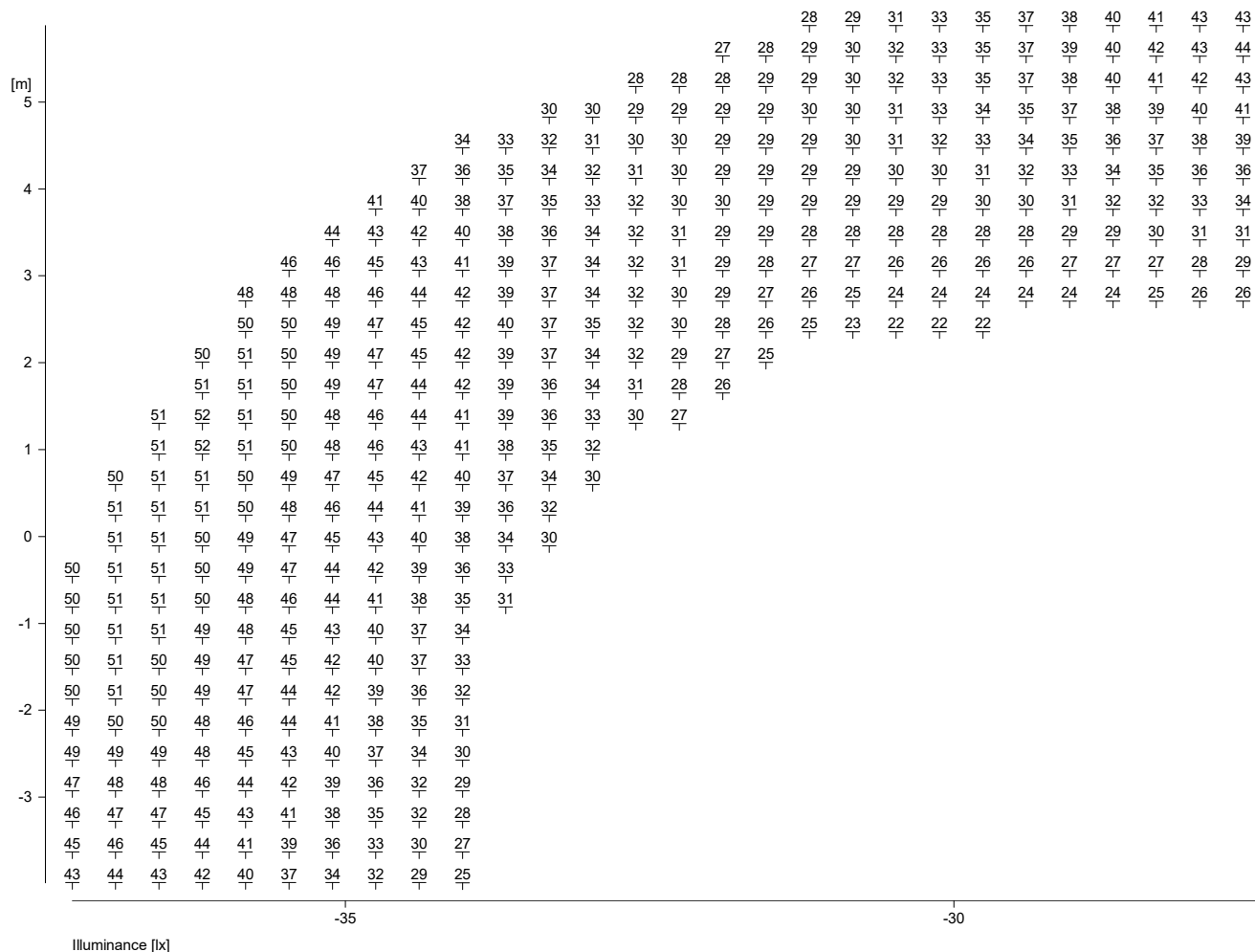


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2.2 Calculation results, Exterior 1, Light scene 1(C)

2.2.2 Table, Reference plane 2.1 (E)



Part1

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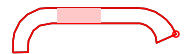
2.2 Calculation results, Exterior 1, Light scene 1(C)

2.2.2 Table, Reference plane 2.1 (E)

44	44	45	44	43	43	41	40	39	38	38	38	38	39	40	41	42	43	44	44	45	45	45	45	45	44	43	42	41
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2.2.2 Table, Reference plane 2.1 (E)

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26	25	25	25	25	25	26	26	26	26	26	26	26	25	25	24	23	22	21	19.9	19.3	18.9	18.8	18.9	19.3	19.9	21	23	
																										19.7	21	

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2.2.2 Table, Reference plane 2.1 (E)

-5 [m]