

**DATE:** 4 October 2024  
**DESIGNER:** JRD  
**PROJECT No:** 6818  
**PROJECT NAME:** Westgate Zebra 2



TR12 compliant with Ignis Z1 6.76klm lantern

## Outdoor Lighting Report

**PREPARED BY:** Kirklees Council  
Flint Street  
Fartown  
Huddersfield  
HD16LG

## Layout Report

### General Data

Dimensions in Metres Angles in Degrees

### Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Carpet	418805.82	425204.21	3.26	6.45	1.09	1.29
2	Centre	418808.24	425208.05	3.25	1.50	1.63	0.75
3	Kerb	418804.26	425210.46	3.25	1.50	1.63	0.75
4	Back edge	418804.01	425212.15	3.21	1.50	1.61	0.75

### Luminaires

#### Luminaire A Data

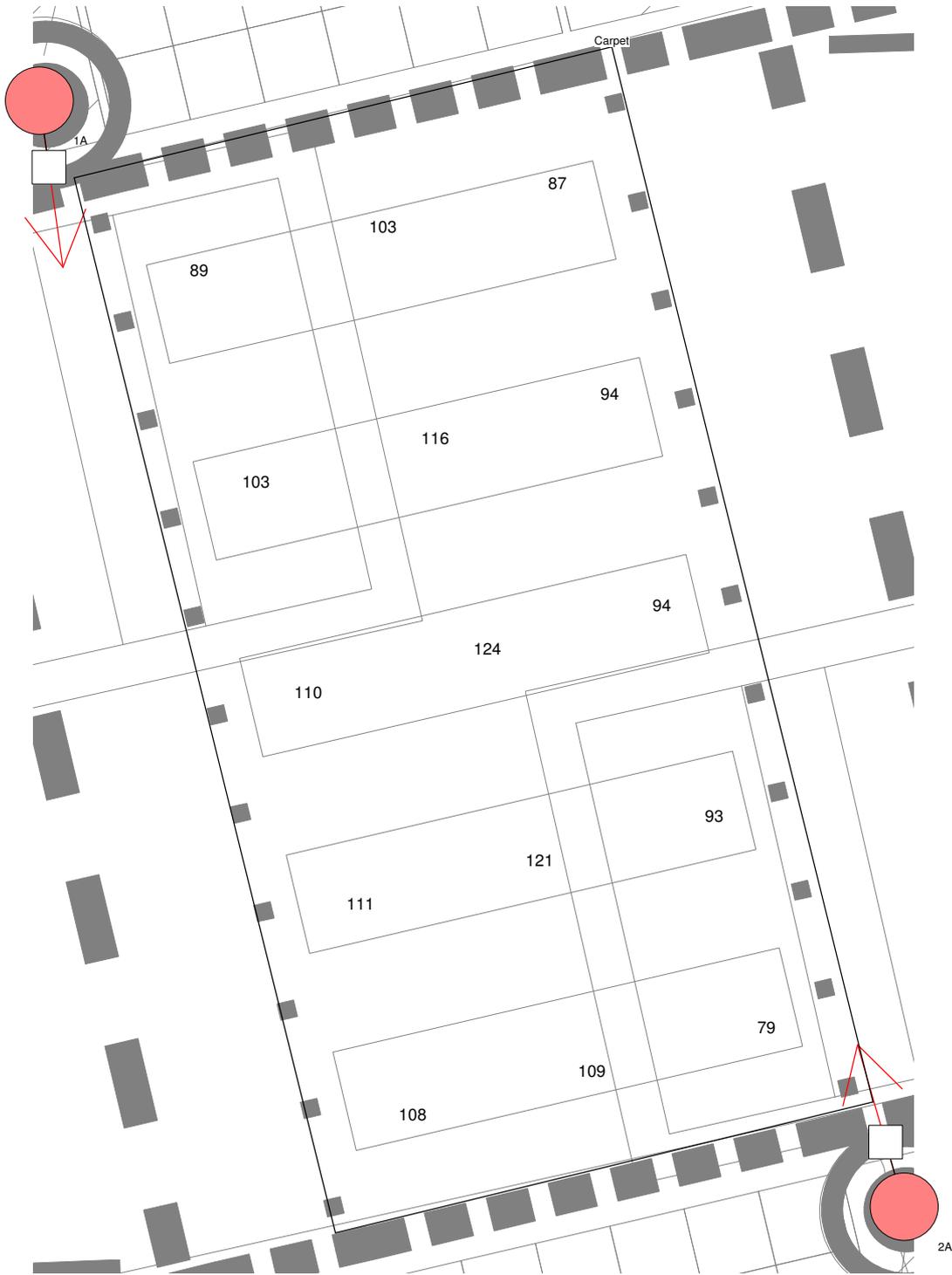
Supplier	
Type	IGNIS 1 - 36 LEDs, Z1L, 4000K, 0413mA, 0 pt1
Lamp(s)	OSRAM SQUARE CRI70
Lamp Flux (klm)	6.76
File Name	IGNIS 1 36 Z1L 4.0_70_413_6759_1.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	192.8, 24.1, 0.0
No. in Project	3

### Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	418804.08	425210.93	6.00	278.00	0.00	0.00	0.40			
2	A	418809.17	425204.36	6.00	106.00	0.00	0.00	0.40			
6	B	418784.63	425177.83	8.00	20.00	0.00	0.00	0.40			
7	A	418721.67	425189.84	10.00	288.00	0.00	0.00	0.40			

## Horizontal Illuminance (lux)

Carpet

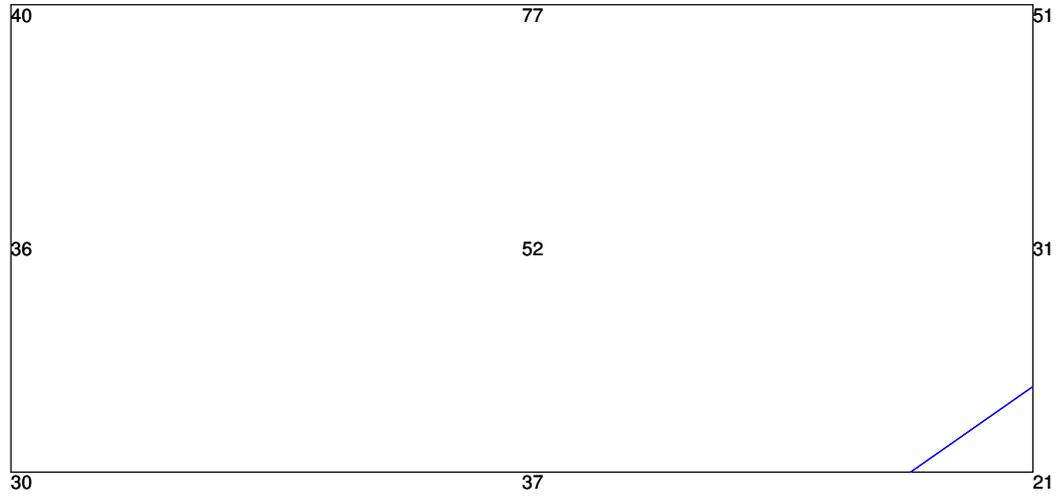


### Results

Eav	102.76
Emin	78.61
Emax	123.80
Emin/Emax	0.64
Emin/Eav	0.77

## Illuminance (lux)

Centre

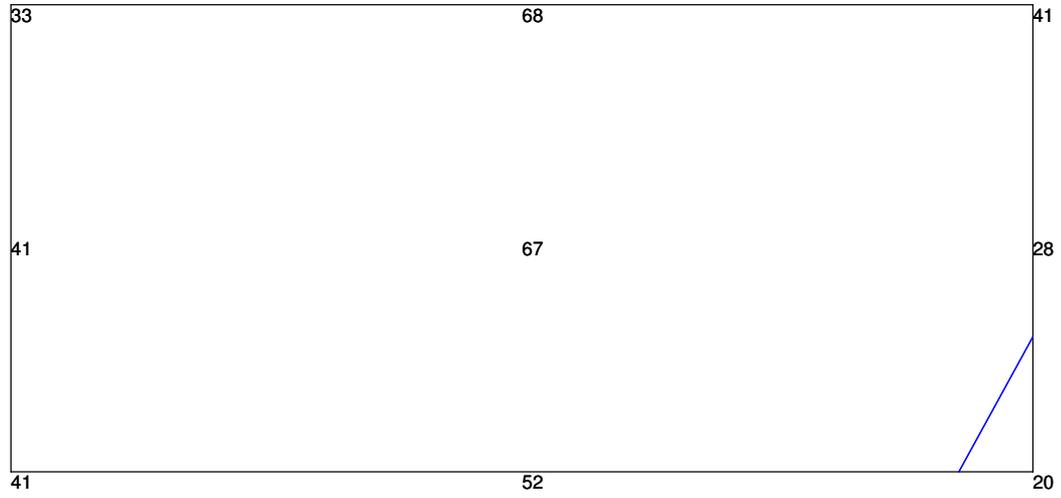


### Results

Eav	41.72
Emin	21.33
Emax	77.25
Emin/Emax	0.28
Emin/Eav	0.51

## Illuminance (lux)

Kerb

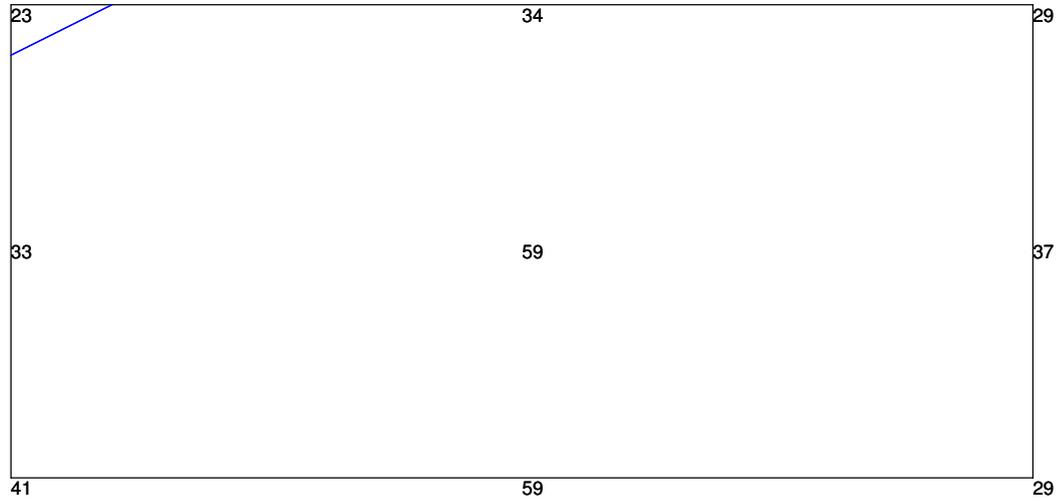


### Results

Eav	43.52
Emin	20.49
E <sub>max</sub>	68.18
E <sub>min</sub> /E <sub>max</sub>	0.30
E <sub>min</sub> /E <sub>av</sub>	0.47

## Illuminance (lux)

Back edge



### Results

Eav	38.23
Emin	22.73
Emax	59.44
Emin/Emax	0.38
Emin/Eav	0.59