DATE:	**10 October 2017**
DESIGNER:	**Jordan Holmes**
PROJECT No:	**18255**
PROJECT NAME:	**Blythe Business Park**

18255-A-04

Lighting Class - Outdoor Work and Storage - Storage Areas*

Requirements:
Eav = 20.00

*Refer to CIBSE Lighting Guide - The Outdoor Environment LG6:1992'

Outdoor Lighting Report

PREPARED BY: Prepared by: Jordan Holmes e-mail: jholmes@harttron.com

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Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 397873.5m x 338790.6m
Area 180.0m x 123.0m
Sample Spacing 1.50m x 1.50m

Luminaires

Luminaire B Data

Supplier	
Type	AL5596_192W
Lamp(s)	4 COB 640mA SIMM.
Lamp Flux (klm)	1.00
File Name	AL5596_192W - Trent 2 LED.IES
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	89.4, 34.4, 2.6
No. in Project	8

Luminaire C Data

Supplier	
Type	AL22501
Lamp(s)	112 SAMSUNG 561B LEDs
Lamp Flux (klm)	4.44
File Name	AL22501 - Carico.ies
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	143.7, 116.7, 87.1
No. in Project	5

Layout

No. /Mast	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1/1	B	397960.19	338891.80	15.00	229.63	40.00	0.00	0.00	397952.04	338882.21	0.00
2/2	B	398010.51	338813.85	15.00	130.84	30.00	0.00	0.00	398004.85	338820.40	0.00
3/3	B	398005.00	338859.73	15.00	224.98	40.00	0.00	0.00	397996.10	338850.83	0.00
4/6	B	397905.69	338898.21	15.00	282.08	40.00	0.00	0.00	397908.32	338885.90	0.00
5/1	B	397960.19	338891.80	15.00	245.44	40.00	0.00	0.00	397954.96	338880.36	0.00
6/6	B	397905.69	338898.21	15.00	317.43	35.00	0.00	0.00	397913.43	338891.11	0.00
7/3	B	398005.00	338859.73	15.00	303.00	30.00	0.00	0.00	398009.72	338852.46	0.00
8/1	B	397960.19	338891.80	15.00	262.59	40.00	0.00	0.00	397958.57	338879.32	0.00
9	C	397897.01	338868.37	5.00	62.00	0.00	0.00	0.00			
10	C	397916.83	338856.56	5.00	62.00	0.00	0.00	0.00			
11	C	397946.39	338838.81	5.00	62.00	0.00	0.00	0.00			
12	C	397965.37	338827.40	5.00	62.00	0.00	0.00	0.00			
13	C	397982.09	338817.49	5.00	62.00	0.00	0.00	0.00			

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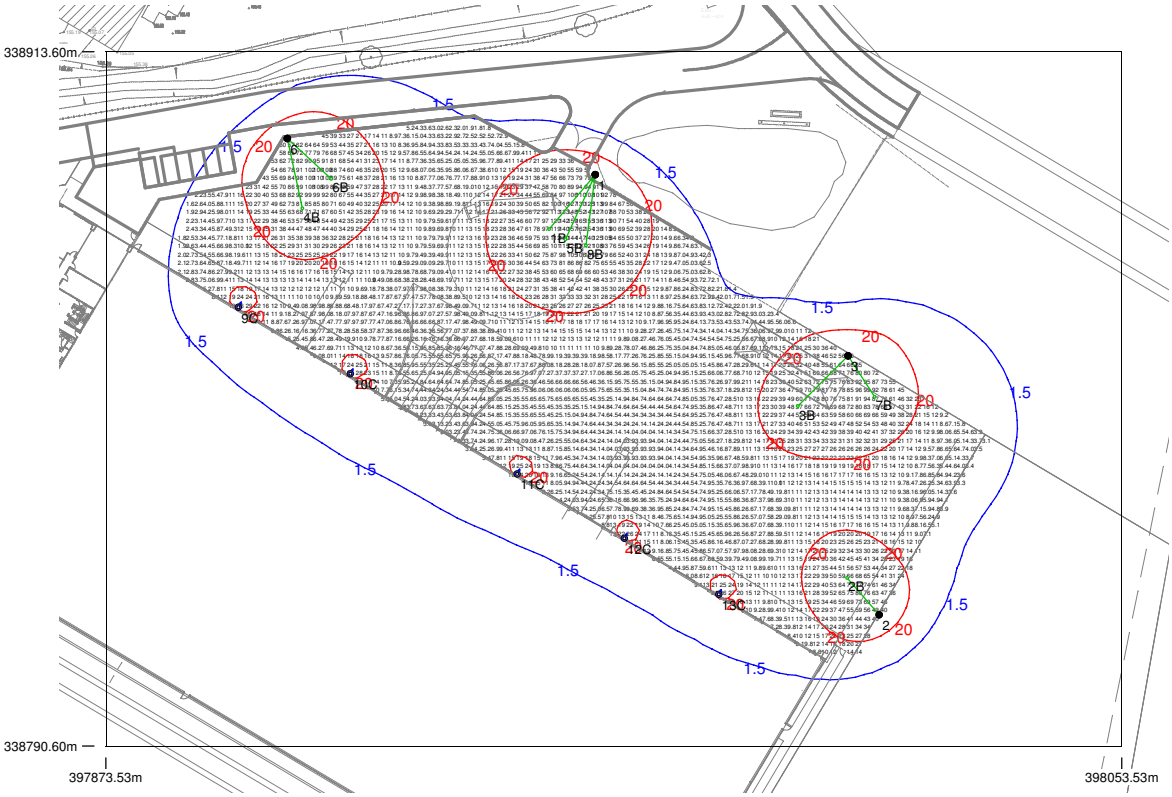
Horizontal Illuminance (lux)

Grid 1



Results

Eav	20.30
Emin	1.34
Emax	164.62
Emin/Emax	0.01
Emin/Eav	0.07

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