

Carpark

Installation : LiDL South Ruislip

Project number :
Customer : LiDL
Processed by : HSR / AGG
Date : 25.11.2016

Project description:
Maintenance Factor 0.77

No obstructions are considered in these lighting calculations.

Lighting levels take into account approximated spill light from the stores sales area.

Lighting levels 15Lux Ave with 25% uniformity.

The nominal values shown in this report are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.

Lighting Proposal. See attached Appendix A.

The following values are based on exact calculations on calibrated lamps, luminaires and their arrangement. In practice, gradual divergences can occur.

Guarantee claims for luminaire data are excluded.

Relux and the luminaire manufacturers accept no liability for consequential damage and damage which is occasioned to the user or to third parties.

Philips Lighting

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Lighting Proposal Terms and Conditions of Use

These terms and conditions apply to any proposal(s) supplied by Philips Electronics UK Limited ("**Philips**") to which this document has been attached or accompanies, whether or not this is specifically acknowledged or referenced within the proposal.

For the purposes of these terms and conditions a proposal ("**proposal**") is understood to mean a CAD drawing, lighting calculation, written document, verbal conversation, or in fact any medium used to demonstrate or communicate a proposed lighting arrangement using Philips lighting products. A customer ("**customer**") is the person or organisation for whom the proposal is intended, whilst a design ("**design**") or designer ("**designer**") should have the meaning set out in the Construction, Design and Management Regulations 2007.

General Statement

The proposal has been provided in order to demonstrate how Philips lighting products could be arranged in order to facilitate the requirements particular to the relevant project, and is therefore only a suggested lighting design.

This information is provided subject to the following limitations:

- Philips has not undertaken any risk assessment for this design. Philips will not be held liable for any risk associated with the implementation of the design.
- Philips may not have had physical access to the site of the project to verify the information which has been provided and the proposal is therefore based solely on information provided by the customer to Philips. The customer is therefore responsible for ensuring that the proposal can be safely implemented in compliance with any laws and regulations.

Accordingly, the information contained in the proposal does not constitute a design for the purposes of the Construction, Design and Management Regulations 2007 and Philips does not accept or assume the role of designer.

The nominal values described in the proposal are likely to have been as a result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination which is usually considered to be a flat surface with no solid obstructions. In practice the values may vary due to a number of tolerances including; positions of lamps, luminaires, gear/drivers, ambient temperature, electrical supply behaviours, road camber, surface reflections, obstructions, and the precise positioning and angle of the luminaires for example.

The proposal should be considered as guidance only and must not be used in place of the final principal or construction drawings. Philips recommends that in the event that this proposal is taken forward as the preferred solution, that the calculations and arrangements are first scrutinised, verified and approved by a suitably qualified designer before being transposed onto the relevant working drawings as appropriate.



Installation and Maintenance Notes

- 1) The proposal must be read in conjunction with all other relevant project drawings and specifications.
- 2) Do not scale from the proposal. If in doubt please request further information.
- 3) The proposal may show lighting layout information, but should not be used for installation purposes or construction drawings. Please refer to the official contractor's working drawings which should also include additional information such as electrical connections, other illuminated equipment, and site specific hazards and other safety considerations.
- 4) All relevant laws and regulations must be fully complied with including the undertaking of any required site risk assessments before installation commences.
- 5) The proposal is based upon customer supplied information and it should be assumed that no survey on site has been carried out by Philips. Utility information such as underground and over ground cables and gas pipes etc. will need to be checked on site by the appropriate person/organisation before any excavation works or installation of lighting equipment.
- 6) The proposal may contain symbols which indicate the proposed locations of the lighting equipment. For further information please refer to the luminaire schedules and details.
- 7) Locations and orientation of all equipment must be confirmed with the client prior to installation. Exact orientation of luminaires may need to be finalised during final focusing. Please refer to the Philips lighting solutions drawings and specifications for details of electrical engineering associated with lighting works.
- 8) The customer shall ensure that all proposed lighting equipment is suitable for the particular environmental conditions prevalent at the proposed location.
- 9) All lighting equipment must be supplied with adequate means for protection during transport to site and any subsequent storage prior to installation.
- 10) For lighting on structures such as bridges, tunnels, buildings, canopies, furniture or water features for example, please refer to the relevant drawings and details.
- 11) For details of all luminaires please refer to the Philips lighting solutions luminaire schedule.
- 12) For cable routes, driver locations and any electrical works associated with the lighting installation please refer to the contractor's installation drawings and documentation.
- 13) The lighting installation requires a variety of luminaire types to achieve the desired effects. Information has been provided on the proposal as general guidance and outline of good practice. For more specific recommendations please refer to manufacturer's details for application, operation, handling cleaning and disposal instructions.
- 14) Installation and maintenance of lighting equipment installed at any height above ground requires specific precautions to be taken. Access arrangements should be in strict accordance with the projects access report, method statement and health and safety guidelines.
- 15) All fixtures must be electrically isolated prior to any testing or maintenance.
- 16) Luminaires may need to be powered up for focusing during the hours of darkness, and in which case they must be specified as being fully enclosed and earthed, or operated at extra low voltage.
- 17) Certain lighting fixtures need to be protected from thermal damage caused by over heating by means of thermal cut-out or similar device. Please refer to the relevant documentation.



Object : Carpark
Installation : LiDL South Ruislip
Project number :
Date : 25.11.2016

Table of contents

First Page	1
Table of contents	2
1 Carpark	
1.1 Description, Carpark	
1.1.1 Luminaire data/Room elements	3
1.1.2 Floor plan	6
1.2 Summary, Carpark	
1.2.1 Result overview, Carpark	7
1.2.2 Result overview, Lorry Bay	9
1.2.3 Result overview, Loading Access	11
1.2.4 Result overview, Measuring area 4	13
2 Carpark Spill Light	
2.1 Summary, Carpark Spill Light	
2.1.1 Result overview, Evaluation area 1	15
2.2 Calculation results, Carpark Spill Light	
2.2.1 Pseudo colours, Reference plane 1.1 (E)	17

Object : Carpark
 Installation : LiDL South Ruislip
 Project number :
 Date : 25.11.2016

1 Carpark

1.1 Description, Carpark

1.1.1 Luminaire data/Room elements

Product data:

Type No.\Make

Philips Lighting			
1	14	Order No.	: !Luminaire Ref: LL-E
		Luminaire name	: WT460C L1300 1xLED23S/840 WB
		Equipment	: 1 x LED23S/840/- 22 W / 2600 lm
2	2	Order No.	: !Luminaire Ref: LL-CANOPY
		Luminaire name	: BBS490 1xDLED-4000 PG
		Equipment	: 1 x DLED-4000 33.5 W / 2260 lm
3	17	Order No.	: !
		Luminaire name	: TMS122 1xTL5-35W HFP
		Equipment	: 1 x TL5-35W/840 39 W / 1000 lm
4	9	Order No.	: !Lantern Ref: LL-B42
		Luminaire name	: BGP303 LED49-3/740PSR I DWL 42/LIDL7024 (8m MH COL)
		Equipment	: 1 x LED49/740/- 56.9 W / 5040 lm
5	11	Order No.	: !Lantern Ref: LL-C42
		Luminaire name	: BGP303 LED73-3/740PSR I DWL 42/LIDL7024 (8m MH COL)
		Equipment	: 1 x LED73-3S/740 58 W / 7500 lm
6	1	Order No.	: !Lantern Ref: LL-B42
		Luminaire name	: BGP303 LED49-3/740PSR I DWL 42/LIDL7024 (6m MH COL)
		Equipment	: 1 x LED49/740/- 56.9 W / 5040 lm

Object : Carpark
 Installation : LiDL South Ruislip
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1 Carpark

1.1 Description, Carpark

1.1.1 Luminaire data/Room elements

No.	Centre point			Rotation angle			Target coordinates		
	X [m]	Y [m]	Z [m]	Z [°]	C0 [°]	C90 [°]	Xa [m]	Ya [m]	Za [m]
Philips Lighting WT460C L1300 1xLED23S/840 WB !Luminaire Ref: LL-E									
3.1	-230.44	-12.92	2.70	0.00	0.00	-90.00	-207.97	-12.92	2.70
3.2	-230.44	-19.42	2.70	0.00	0.00	-90.00	-207.96	-19.42	2.70
3.3	-230.44	-25.92	2.70	0.00	0.00	-90.00	-207.95	-25.92	2.70
3.4	-230.44	-32.42	2.70	0.00	0.00	-90.00	-207.93	-32.42	2.70
3.5	-230.44	-38.92	2.70	0.00	0.00	-90.00	--	--	--
3.6	-230.44	-45.42	2.70	0.00	0.00	-90.00	--	--	--
3.7	-230.44	-51.92	2.70	0.00	0.00	-90.00	--	--	--
3.8	-230.44	-58.42	2.70	0.00	0.00	-90.00	--	--	--
3.9	-230.44	-64.92	2.70	0.00	0.00	-90.00	--	--	--
3.10	-230.44	-71.42	2.70	0.00	0.00	-90.00	--	--	--
1.1	-233.43	-73.18	2.70	270.00	0.00	-90.00	--	--	--
1.2	-239.93	-73.18	2.70	270.00	0.00	-90.00	--	--	--
1.3	-246.43	-73.18	2.70	270.00	0.00	-90.00	--	--	--
1.4	-252.93	-73.18	2.70	270.00	0.00	-90.00	--	--	--

Philips Lighting BBS490 1xDLED-4000 PG !Luminaire Ref: LL-CANOPY

5	-232.35	-3.43	3.00	0.00	0.00	0.00	-232.35	-3.43	0.00
40	-230.65	-5.03	3.00	0.00	0.00	0.00	-230.65	-5.03	0.00
Philips Lighting TMS122 1xTL5-35W HFP !									
4.1	-234.62	-5.90	2.96	45.00	0.00	0.00	-234.62	-5.90	0.00
4.2	-233.06	-7.46	2.96	45.00	0.00	0.00	-233.07	-7.46	0.00
5.1	-232.51	-9.66	2.96	0.00	0.00	0.00	-232.51	-9.66	0.00
2.1	-265.25	-5.12	2.96	90.00	0.00	0.00	-265.25	-5.12	0.00
2.2	-263.05	-5.12	2.96	90.00	0.00	0.00	-263.05	-5.12	0.00
2.3	-260.85	-5.12	2.96	90.00	0.00	0.00	-260.85	-5.12	0.00
2.4	-258.65	-5.12	2.96	90.00	0.00	0.00	-258.65	-5.12	0.00
2.5	-256.45	-5.12	2.96	90.00	0.00	0.00	-256.45	-5.12	0.00
2.6	-254.25	-5.12	2.96	90.00	0.00	0.00	-254.25	-5.12	0.00
2.7	-252.05	-5.12	2.96	90.00	0.00	0.00	-252.05	-5.12	0.00
2.8	-249.85	-5.12	2.96	90.00	0.00	0.00	-249.85	-5.12	0.00
2.9	-247.65	-5.12	2.96	90.00	0.00	0.00	-247.65	-5.12	0.00
2.10	-245.45	-5.12	2.96	90.00	0.00	0.00	-245.45	-5.12	0.00
2.11	-243.25	-5.12	2.96	90.00	0.00	0.00	-243.24	-5.12	0.00
2.12	-241.05	-5.12	2.96	90.00	0.00	0.00	-241.04	-5.12	0.00
2.13	-238.85	-5.12	2.96	90.00	0.00	0.00	-238.85	-5.12	0.00
2.14	-236.65	-5.12	2.96	90.00	0.00	0.00	-236.65	-5.12	0.00

Philips Lighting BGP303 LED49-3/740PSR I DWL 42/LIDL7024 (8m MH COL)

!Lantern Ref: LL-B42

20	-249.08	14.51	8.00	180.00	15.00	0.00	-249.08	5.93	0.00
21	-225.78	14.51	8.00	180.00	15.00	0.00	-225.78	5.93	0.00
22	-201.28	14.51	8.00	180.00	15.00	0.00	-201.28	5.93	0.00
23	-176.28	14.51	8.00	180.00	10.00	0.00	-176.28	7.31	0.00
24	-163.79	2.26	8.00	90.00	10.00	0.00	-170.99	2.26	0.00
25	-160.68	-19.01	8.00	90.00	10.00	0.00	-167.88	-19.01	0.00
26	-160.49	-39.01	8.00	90.00	10.00	0.00	-167.70	-39.01	0.00
39	-200.04	-72.72	8.00	270.00	5.00	0.00	-194.01	-72.72	0.00
42	-200.04	-57.65	8.00	270.00	5.00	0.00	-194.01	-57.65	0.00

Philips Lighting BGP303 LED73-3/740PSR I DWL 42/LIDL7024 (8m MH COL)

!Lantern Ref: LL-C42

29	-221.16	-81.42	8.00	0.00	5.00	0.00	-221.16	-75.39	0.00
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Object : Carpark
 Installation : LiDL South Ruislip
 Project number :
 Date : 25.11.2016

1 Carpark

1.1 Description, Carpark

1.1.1 Luminaire data/Room elements

30	-208.94	-11.53	8.00	90.00	15.00	0.00	-217.52	-11.53	0.00
31	-208.74	-36.64	8.00	90.00	15.00	0.00	-217.32	-36.65	0.00
32	-182.86	-11.57	8.00	270.00	10.00	0.00	-175.66	-11.57	0.00
33	-183.64	-36.93	8.00	270.00	15.00	0.00	-175.07	-36.93	0.00
34	-208.31	-10.85	8.00	0.00	15.00	0.00	-208.31	-2.27	0.00
35	-183.40	-10.88	8.00	0.00	15.00	0.00	-183.40	-2.30	0.00
36	-184.36	-37.39	8.00	180.00	15.00	0.00	-184.36	-45.97	0.00
37	-208.17	-37.39	8.00	180.00	15.00	0.00	-208.17	-45.97	0.00
38	-202.08	-72.72	8.00	90.00	15.00	0.00	-210.66	-72.72	0.00
41	-202.08	-57.65	8.00	90.00	15.00	0.00	-210.66	-57.65	0.00

Philips Lighting BGP303 LED49-3/740PSR I DWL 42/LIDL7024 (6m MH COL)

!Lantern Ref: LL-B42

43	-267.94	2.35	6.00	270.00	5.00	0.00	-263.42	2.35	0.00
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Structural elements

Virtual measuring surface

No.	xm[m]	ym[m]	zm[m]	Length	Width	z axis	Rotation angle L axis	Q axis
Carpark								
m 1	-266.79	-2.05	-0.00	108.51	96.76	90.00	0.00	0.00
Lorry Bay								
m 2	-230.69	-75.24	0.00	24.34	4.74	359.90	0.00	0.00
Loading Access								
m 3	-183.47	-17.88	0.00	7.67	23.84	270.20	0.00	0.00
m 4	-201.66	-75.31	0.00	7.39	20.34	89.65	0.00	0.00

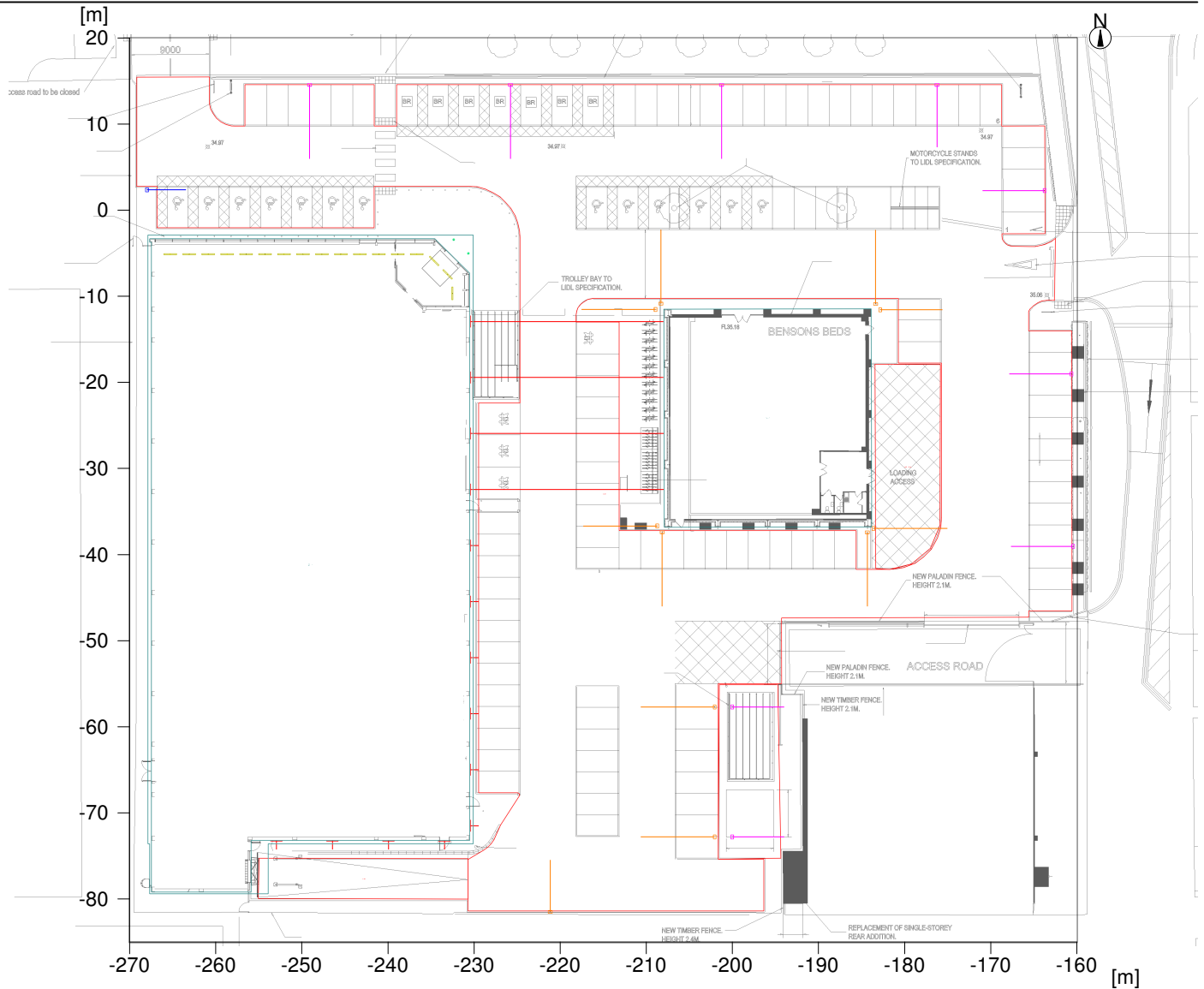
Others

No.	xm[m]	ym[m]	zm[m]	Length	Width	z axis	Rotation angle L axis	Q axis
Building								
A 1	-255.86	-73.13	0.00	37.14	75.80	270.00	0.00	0.00
A 2	-207.92	-36.80	0.00	24.13	25.34	0.08	0.00	0.00
Canopy								
A 3	-267.83	-2.88	3.00	37.74	76.44	0.00	0.00	0.00

Object : Carpark
Installation : LiDL South Ruislip
Project number :
Date : 25.11.2016

1.1 Description, Carpark

1.1.2 Floor plan

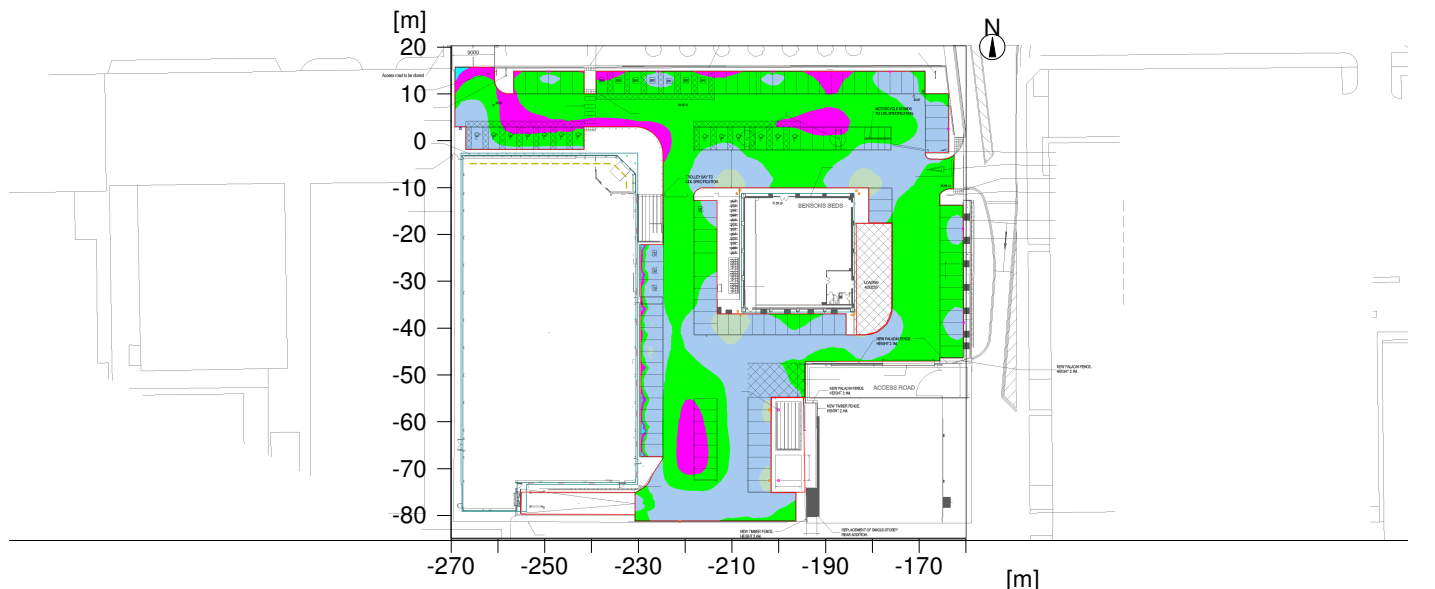


Object : Carpark
 Installation : LiDL South Ruislip
 Project number :
 Date : 25.11.2016

1 Carpark

1.2 Summary, Carpark

1.2.1 Result overview, Carpark



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	-0.00 m
Maintenance factor	0.77
Total luminous flux of all lamps	190820 lm
Total power	2245 W
Total power per area (11550.00 m ²)	0.19 W/m ²

Illuminance

Average illuminance	Eav	14.5 lx
Minimum illuminance	Emin	4.1 lx
Maximum illuminance	Emax	45.6 lx
Uniformity U ₀	Emin/Em	1:3.52 (0.28)
Diversity U _d	Emin/Emax	1:11.1 (0.09)

Type No.\Make

Philips Lighting			
1	14	Order No.	: !Luminaire Ref: LL-E
		Luminaire name	: WT460C L1300 1xLED23S/840 WB
		Equipment	: 1 x LED23S/840/- 22 W / 2600 lm
2	2	Order No.	: !Luminaire Ref: LL-CANOPY
		Luminaire name	: BBS490 1xDLED-4000 PG
		Equipment	: 1 x DLED-4000 33.5 W / 2260 lm

Object : Carpark
Installation : LiDL South Ruislip
Project number :
Date : 25.11.2016

1 Carpark

1.2 Summary, Carpark

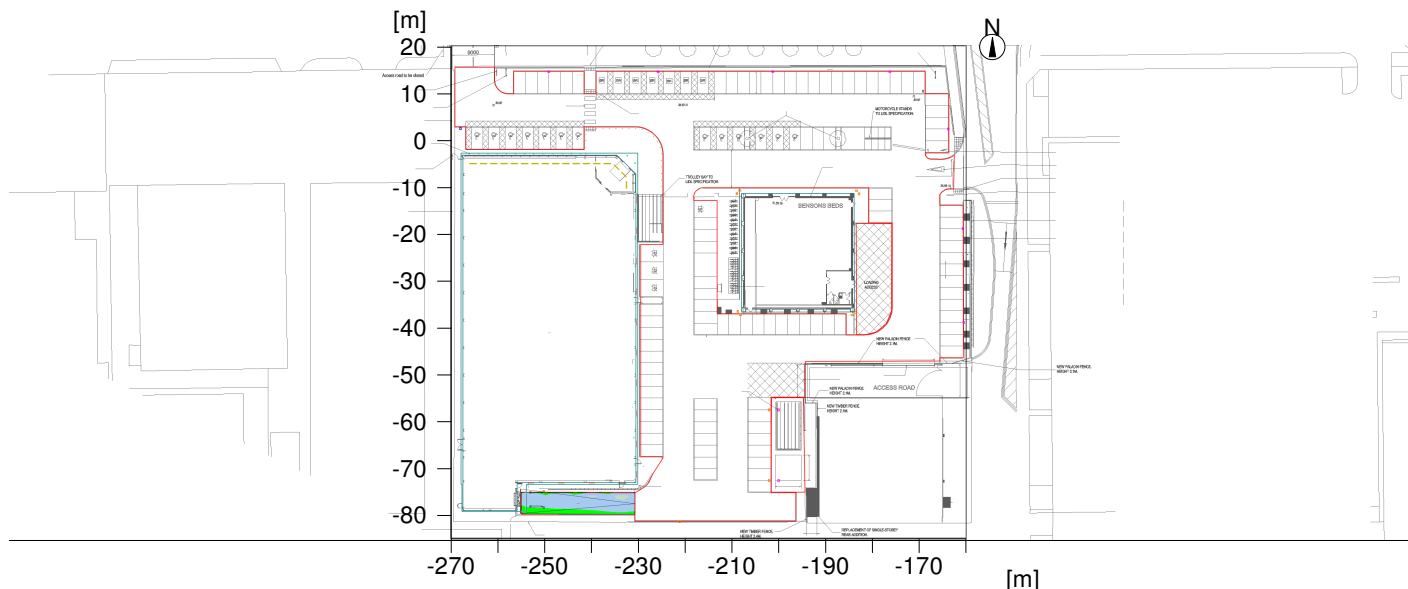
1.2.1 Result overview, Carpark

3	17	Order No.	: !
		Luminaire name	: TMS122 1xTL5-35W HFP
		Equipment	: 1 x TL5-35W/840 39 W / 1000 lm
4	9	Order No.	: !Lantern Ref: LL-B42
		Luminaire name	: BGP303 LED49-3/740PSR I DWL 42/LIDL7024 (8m MH COL)
		Equipment	: 1 x LED49/740/- 56.9 W / 5040 lm
5	11	Order No.	: !Lantern Ref: LL-C42
		Luminaire name	: BGP303 LED73-3/740PSR I DWL 42/LIDL7024 (8m MH COL)
		Equipment	: 1 x LED73-3S/740 58 W / 7500 lm
6	1	Order No.	: !Lantern Ref: LL-B42
		Luminaire name	: BGP303 LED49-3/740PSR I DWL 42/LIDL7024 (6m MH COL)
		Equipment	: 1 x LED49/740/- 56.9 W / 5040 lm

Object : Carpark
 Installation : LiDL South Ruislip
 Project number :
 Date : 25.11.2016

1.2 Summary, Carpark

1.2.2 Result overview, Lorry Bay



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.77

Total luminous flux of all lamps	190820 lm
Total power	2245 W
Total power per area (11550.00 m ²)	0.19 W/m ²

Illuminance

Average illuminance	Eav	20.9 lx
Minimum illuminance	Emin	10.2 lx
Maximum illuminance	Emax	35.6 lx
Uniformity U _o	Emin/Em	1:2.05 (0.49)
Diversity U _d	Emin/Emax	1:3.5 (0.29)

Type No.\Make

Philips Lighting	
1	14
	Order No. : !Luminaire Ref: LL-E
	Luminaire name : WT460C L1300 1xLED23S/840 WB
	Equipment : 1 x LED23S/840/- 22 W / 2600 lm
2	2
	Order No. : !Luminaire Ref: LL-CANOPY
	Luminaire name : BBS490 1xDLED-4000 PG
	Equipment : 1 x DLED-4000 33.5 W / 2260 lm

Object : Carpark
Installation : LiDL South Ruislip
Project number :
Date : 25.11.2016

1.2 Summary, Carpark

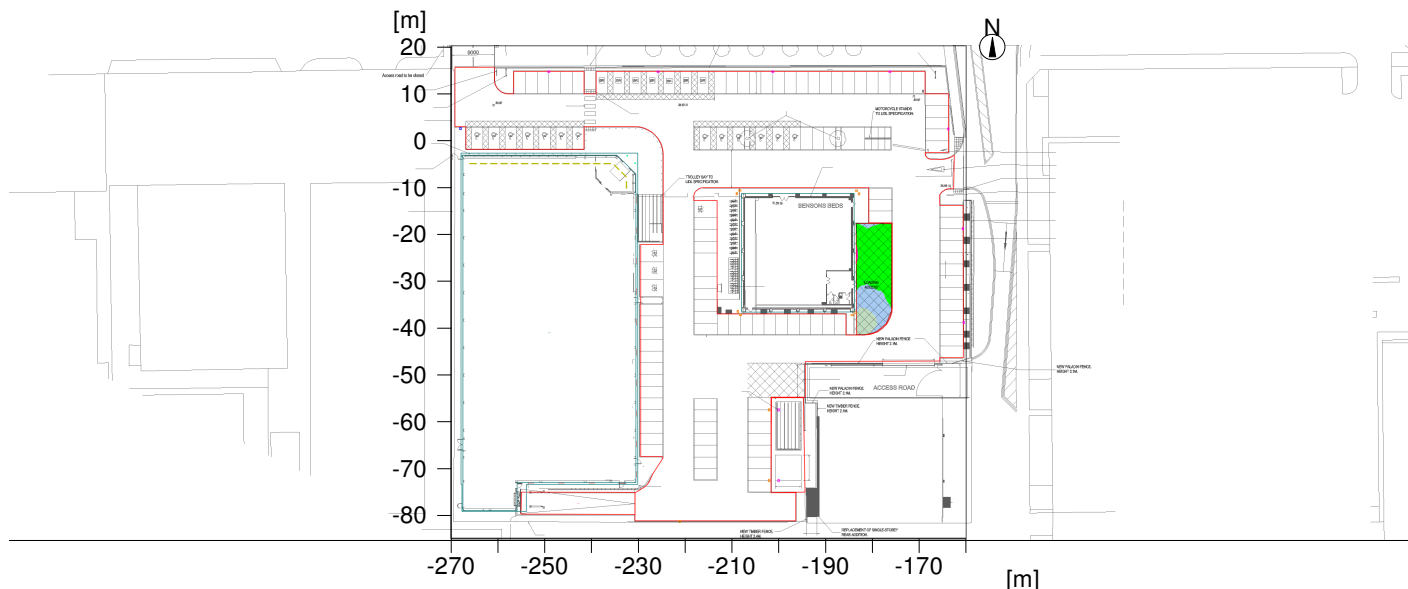
1.2.2 Result overview, Lorry Bay

3	17	Order No.	: !
		Luminaire name	: TMS122 1xTL5-35W HFP
		Equipment	: 1 x TL5-35W/840 39 W / 1000 lm
4	9	Order No.	: !Lantern Ref: LL-B42
		Luminaire name	: BGP303 LED49-3/740PSR I DWL 42/LIDL7024 (8m MH COL)
		Equipment	: 1 x LED49/740/- 56.9 W / 5040 lm
5	11	Order No.	: !Lantern Ref: LL-C42
		Luminaire name	: BGP303 LED73-3/740PSR I DWL 42/LIDL7024 (8m MH COL)
		Equipment	: 1 x LED73-3S/740 58 W / 7500 lm
6	1	Order No.	: !Lantern Ref: LL-B42
		Luminaire name	: BGP303 LED49-3/740PSR I DWL 42/LIDL7024 (6m MH COL)
		Equipment	: 1 x LED49/740/- 56.9 W / 5040 lm

Object : Carpark
 Installation : LiDL South Ruislip
 Project number :
 Date : 25.11.2016

1.2 Summary, Carpark

1.2.3 Result overview, Loading Access



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.77
Total luminous flux of all lamps	190820 lm
Total power	2245 W
Total power per area (11550.00 m ²)	0.19 W/m ²

Illuminance

Average illuminance	Eav	17.4 lx
Minimum illuminance	Emin	8.9 lx
Maximum illuminance	Emax	42.7 lx
Uniformity U ₀	Emin/Em	1:1.95 (0.51)
Diversity U _d	Emin/Emax	1:4.81 (0.21)

Type No.\Make

Philips Lighting			
1	14	Order No.	: !Luminaire Ref: LL-E
		Luminaire name	: WT460C L1300 1xLED23S/840 WB
		Equipment	: 1 x LED23S/840/- 22 W / 2600 lm
2	2	Order No.	: !Luminaire Ref: LL-CANOPY
		Luminaire name	: BBS490 1xDLED-4000 PG
		Equipment	: 1 x DLED-4000 33.5 W / 2260 lm

Object : Carpark
Installation : LiDL South Ruislip
Project number :
Date : 25.11.2016

1.2 Summary, Carpark

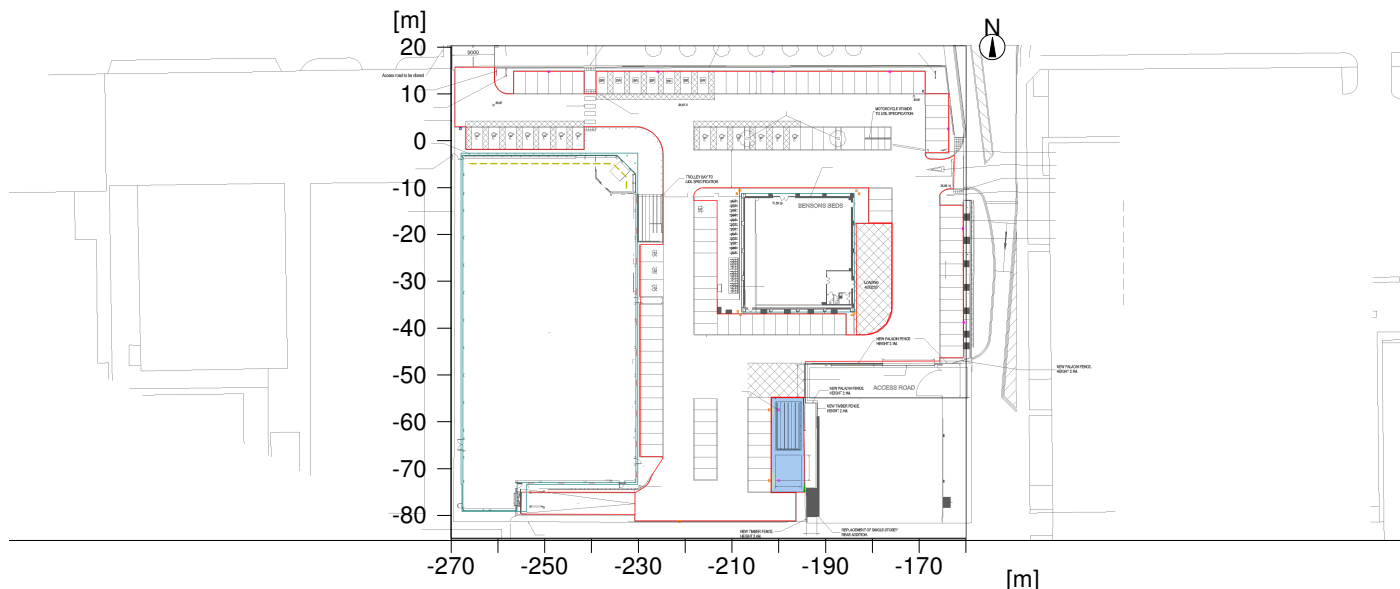
1.2.3 Result overview, Loading Access

3	17	Order No.	: !
		Luminaire name	: TMS122 1xTL5-35W HFP
		Equipment	: 1 x TL5-35W/840 39 W / 1000 lm
4	9	Order No.	: !Lantern Ref: LL-B42
		Luminaire name	: BGP303 LED49-3/740PSR I DWL 42/LIDL7024 (8m MH COL)
		Equipment	: 1 x LED49/740/- 56.9 W / 5040 lm
5	11	Order No.	: !Lantern Ref: LL-C42
		Luminaire name	: BGP303 LED73-3/740PSR I DWL 42/LIDL7024 (8m MH COL)
		Equipment	: 1 x LED73-3S/740 58 W / 7500 lm
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		Equipment	: 1 x LED49/740/- 56.9 W / 5040 lm

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 Project number :
 Date : 25.11.2016

1.2 Summary, Carpark

1.2.4 Result overview, Measuring area 4



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.77
Total luminous flux of all lamps	190820 lm
Total power	2245 W
Total power per area (11550.00 m²)	0.19 W/m²

Illuminance

Average illuminance	Eav	20.3 lx
Minimum illuminance	Emin	15.7 lx
Maximum illuminance	Emax	30 lx
Uniformity U ₀	Emin/Em	1:1.29 (0.77)
Diversity U _d	Emin/Emax	1:1.91 (0.52)

Type No.\Make

Philips Lighting		
1	14	Order No. : !Luminaire Ref: LL-E
		Luminaire name : WT460C L1300 1xLED23S/840 WB
		Equipment : 1 x LED23S/840/- 22 W / 2600 lm
2	2	Order No. : !Luminaire Ref: LL-CANOPY
		Luminaire name : BBS490 1xDLED-4000 PG
		Equipment : 1 x DLED-4000 33.5 W / 2260 lm

Object : Carpark
Installation : LiDL South Ruislip
Project number :
Date : 25.11.2016

1.2 Summary, Carpark

1.2.4 Result overview, Measuring area 4

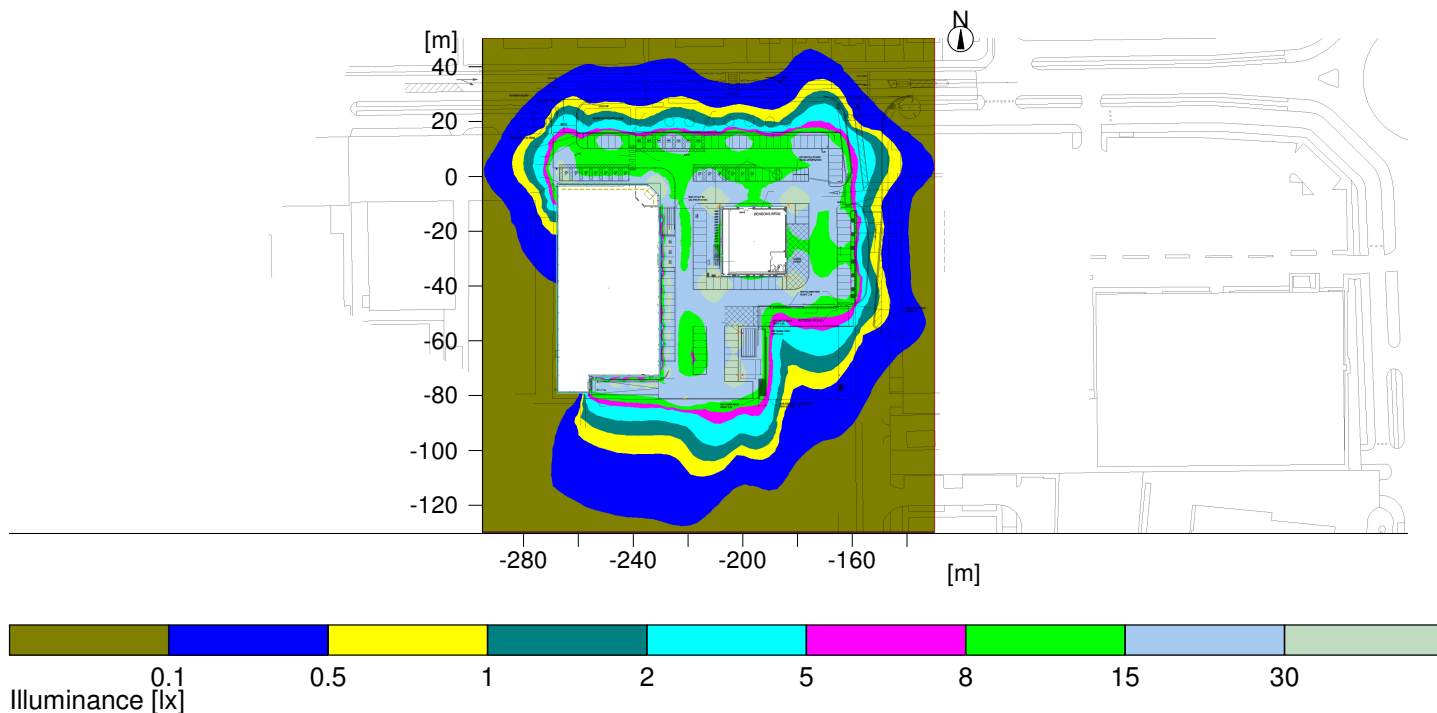
3	17	Order No.	: !
		Luminaire name	: TMS122 1xTL5-35W HFP
		Equipment	: 1 x TL5-35W/840 39 W / 1000 lm
4	9	Order No.	: !Lantern Ref: LL-B42
		Luminaire name	: BGP303 LED49-3/740PSR I DWL 42/LIDL7024 (8m MH COL)
		Equipment	: 1 x LED49/740/- 56.9 W / 5040 lm
5	11	Order No.	: !Lantern Ref: LL-C42
		Luminaire name	: BGP303 LED73-3/740PSR I DWL 42/LIDL7024 (8m MH COL)
		Equipment	: 1 x LED73-3S/740 58 W / 7500 lm
6	1	Order No.	: !Lantern Ref: LL-B42
		Luminaire name	: BGP303 LED49-3/740PSR I DWL 42/LIDL7024 (6m MH COL)
		Equipment	: 1 x LED49/740/- 56.9 W / 5040 lm

Object : Carpark
 Installation : LiDL South Ruislip
 Project number :
 Date : 25.11.2016

2 Carpark Spill Light

2.1 Summary, Carpark Spill Light

2.1.1 Result overview, Evaluation area 1



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 1.00

Total luminous flux of all lamps

190820 lm

Total power

2245.0 W

Total power per area (29700.01 m²)

0.08 W/m² (1.50 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

Horizontal
 Em 5.05 lx
 Emin 0.01 lx
 Emin/Eav (Uo) 0.00
 Emin/Emax (Ud) 0.00
 Position 0.00 m

Type No.\Make

		Philips Lighting	
1	14	Order No.	: !Luminaire Ref: LL-E
		Luminaire name	: WT460C L1300 1xLED23S/840 WB
		Equipment	: 1 x LED23S/840/- 22 W / 2600 lm
2	2	Order No.	: !Luminaire Ref: LL-CANOPY
		Luminaire name	: BBS490 1xDLED-4000 PG
		Equipment	: 1 x DLED-4000 33.5 W / 2260 lm

Object : Carpark
Installation : LiDL South Ruislip
Project number :
Date : 25.11.2016

2 Carpark Spill Light

2.1 Summary, Carpark Spill Light

2.1.1 Result overview, Evaluation area 1

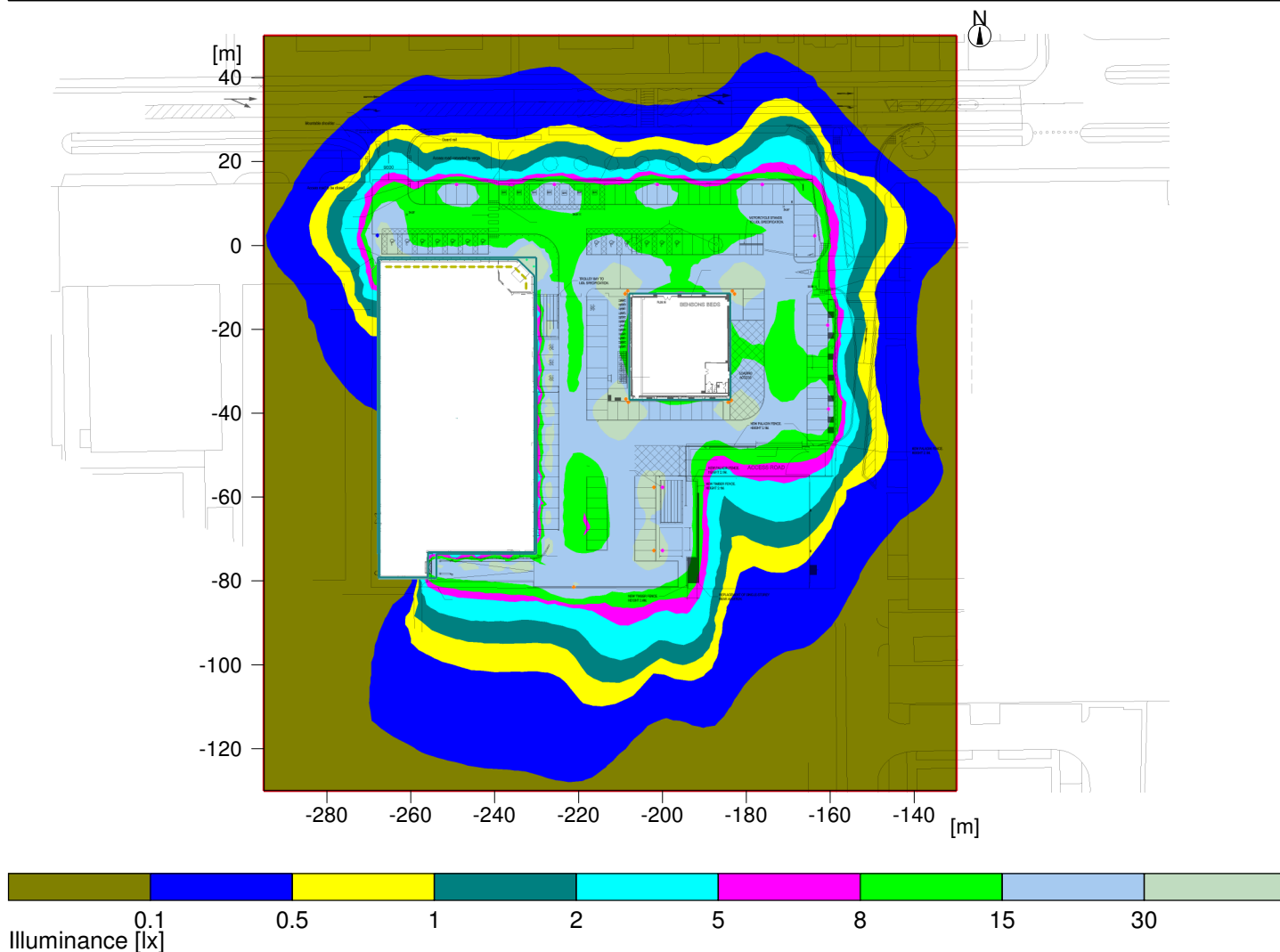
3	17	Order No.	: !
		Luminaire name	: TMS122 1xTL5-35W HFP
		Equipment	: 1 x TL5-35W/840 39 W / 1000 lm
4	9	Order No.	: !Lantern Ref: LL-B42
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Object : Carpark
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2 Carpark Spill Light

2.2 Calculation results, Carpark Spill Light

2.2.1 Pseudo colours, Reference plane 1.1 (E)



Height of the reference plane

Average illuminance
Minimum illuminance
Maximum illuminance
Uniformity U_0
Diversity U_d

Eav	: 0.00 m
Emin	: 5 lx
Emax	: 0 lx
Emin/Emax	: 182 lx
Emin/Eav	: 1 : 662.79 (0.00)
Emin/Emax	: 1 : 23879.11 (0.00)