

Design Inputs:

:Lighting design level is PC3 as per AS/NZS 1158.3.1:2020- 3.7

:PC3 minimum Horizontal Illuminance is 0.7 Lux or greater
Average Horizontal Illuminance to be 3.5 Lux or greater.

:PCD The disable carparks must have a minimum
Horizontal Illuminance of 14 Lux.

:Uniformity (Max/Av) must be less than 8.

:Selected luminaire is the GL520 7022 OPTIC LED

:Mounting pole height is 6.1m

:Outreach arm is 1m, Tilt is zero.

:Colour 4000K

Isolux Legend:

RED =0.7 LUX, MAGENTA =3.5 LUX, GREEN =14 LUX.

Calculation Summary

Project: Project_1

Label	CalcType	Units	Avg	Max	Min	Max/Avg
MAIN CARPARK	Illuminance	Lux	11.00	24.6	3.2	2.24
PCD 1	Illuminance	Lux	19.35	22.1	16.0	1.14
PCD 2	Illuminance	Lux	19.08	20.4	15.1	1.07
PCD 3	Illuminance	Lux	18.48	20.4	15.3	1.10

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REV	DATE	COMMENTS	DESIGNED
R0	03/05/2023	Original design	A.RUITER
R1	04/05/2023	Mounting height increased to 6.1m.	A.RUITER
R2			
R3			
R4			
R5			

PROJECT

CORNERSTONE CHURCH
CARPARK PC3

CONTACT

Jeff.Richardson@betacom.co.nz

CLIENT

CORNERSTONE CHURCH
Marcus Brandrick
SPUNLITE

DOCUMENT NO.

Cornerstoned.AGI

REVISION

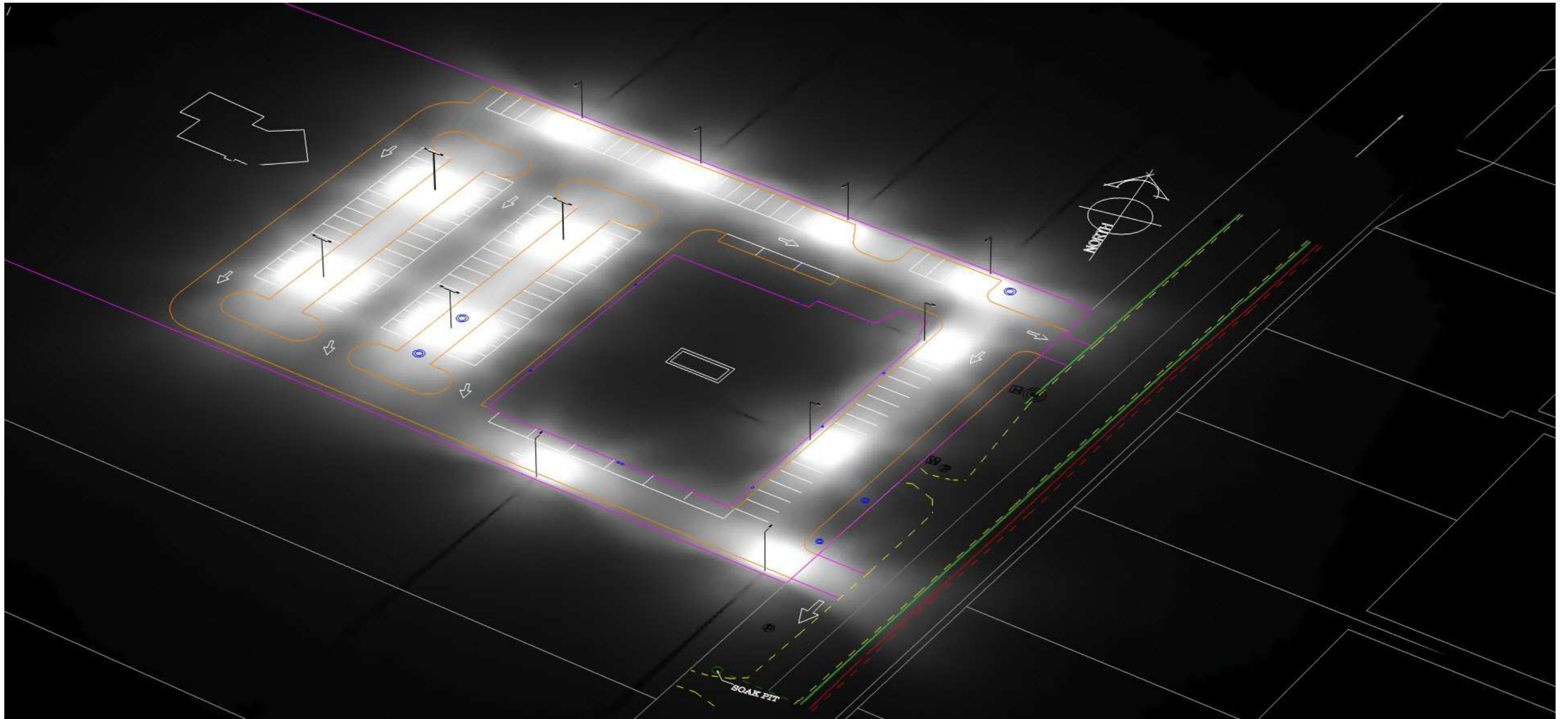
R1

SHEET

A3

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SIMULATED RENDERED VIEW

Luminaire Schedule						
Symbol	Qty	Label	LLF	Tag	Lum. Watts	Total Watts
	16	BET11784 GL520 LDCA 7022 24	0.800	L25	25	400

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CORNERSTONE CHURCH
CARPARK PC3

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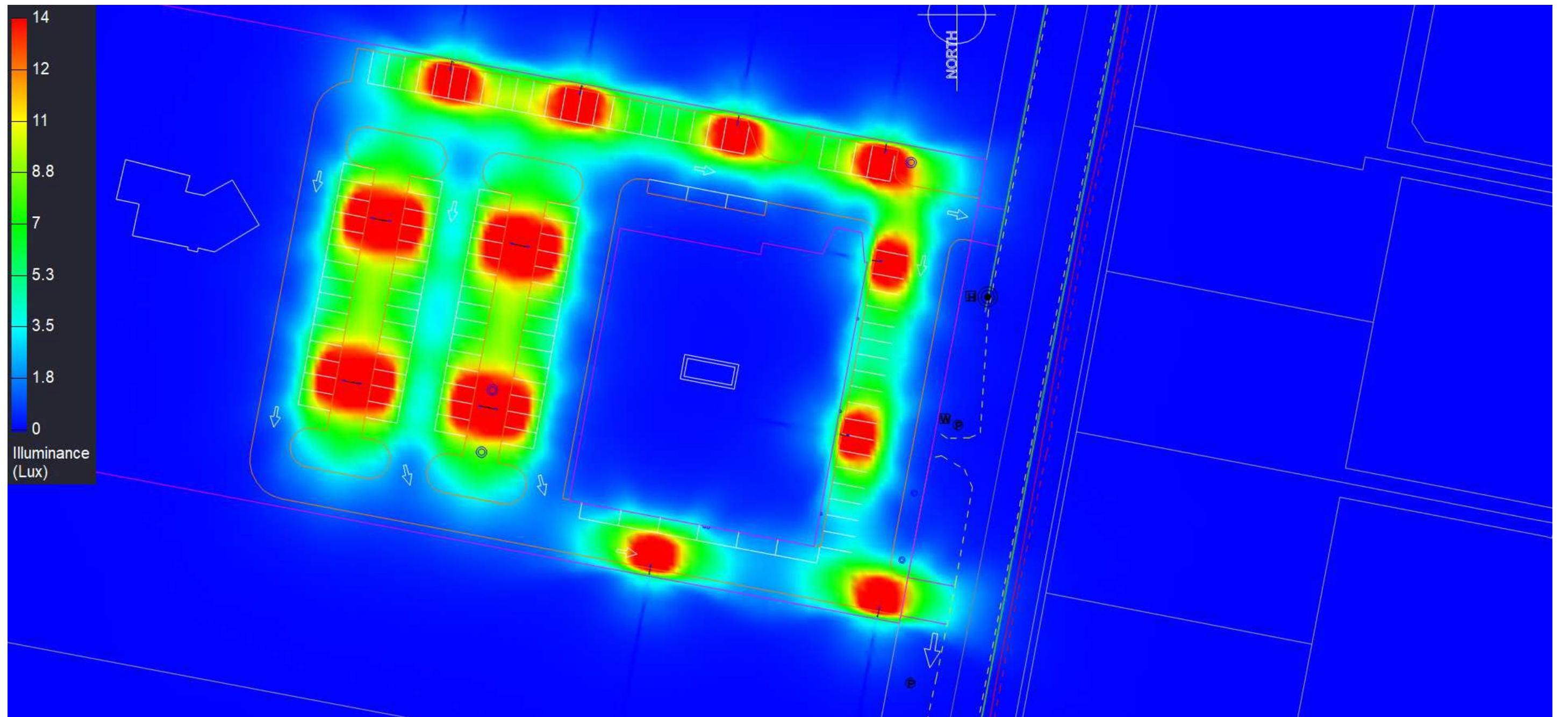
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SIMULATED ISOLUX
14 LUX MAXIMUM VIEW

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