



**Obtrusive Light - Compliance Report**

AS/NZS 4282:2019, A3 - Medium District Brightness, Non-Curfew L1  
 Filename: I0047 - Gungahlin Tennis Facility REV1  
 07/11/2023 8:02:22 AM

**Illuminance**

Maximum Allowable Value: 10 Lux

Calculations Tested (5):

Calculation Label	Test Results	Max. Illum.
ObtrusiveLight_Jorgensen St_III_Seg1	PASS	0.1
ObtrusiveLight_Jorgensen St_III_Seg2	PASS	0.1
ObtrusiveLight_Jorgensen St_III_Seg3	PASS	0.1
ObtrusiveLight_Creekside_III_Seg1	PASS	0.2
ObtrusiveLight_Creekside_III_Seg2	PASS	0.1

**Luminous Intensity (Cd) At Vertical Planes**

Maximum Allowable Value: 12500 Cd

Calculations Tested (5):

Calculation Label	Test Results
ObtrusiveLight_Jorgensen St_Cd_Seg1	PASS
ObtrusiveLight_Jorgensen St_Cd_Seg2	PASS
ObtrusiveLight_Jorgensen St_Cd_Seg3	PASS
ObtrusiveLight_Creekside_Cd_Seg1	PASS
ObtrusiveLight_Creekside_Cd_Seg2	PASS

**Threshold Increment (TI)**

Maximum Allowable Value: 20 %

Calculations Tested (2):

Calculation Label	Adaptation Test Luminance Results
ObtrusiveLight_TI_Jorgensen St	1 PASS
ObtrusiveLight_TI_Horse Park	1 PASS

**Upward Waste Light Ratio (UWLR)**

Maximum Allowable Value: 2.0 %

Calculated UWLR: 0.0 %  
 Test Results: PASS

THE FOLLOWING LIGHTING CALCULATIONS ARE COMPLYING WITH AS 4282.2019 TABLE 3.2 MAXIMUM LIGHTING TECHNICAL PARAMETERS

LEVEL OF APPLICATION - A3 (MEDIUM DISTRICT BRIGHTNESS)

VERTICAL ILLUMINANCE (E<sub>v</sub>) NON-CURFEW: 10lx

THRESHOLD INCREMENT (TI) : 20%

SKY GLOW (UWLR) = 2%

**NOTES:**

LIGHTING DESIGN IS BASED ON THE INFORMATION SUPPLIED BY THE CLIENT

Buckford Illumination Group Pty Ltd  
 8/34 Wirraway Drive,  
 Port Melbourne,  
 Victoria 3207 Australia  
 www.buckford.com.au



PROJECT NAME:  
 I0047 - Gungahlin Tennis Facility  
 REV1

LAYOUT VIEW:  
 Obtrusive Lighting

SALES ENGINEER:  
 BN

LIGHTING DESIGNER:  
 AW

PRINT SIZE: A3 PRINTED DATE: 07/11/2023