


Luminaire Schedule			
Symbol	Qty	Label	LLF
	28	Invictus II 1500 O1	1.000

Calculation Summary						
Project: Calculations						
Label	Units	Avg	Max	Min	Min/Avg	Min/Max
CalcPts_AFL	Lux	246.24	324	162	0.66	0.50

Calculation Summary				
Project: Glare				
Label	CalcType	Max	Min	
GR_1	Illuminance	324	1	
GR_1	Glare Rating	46	10	
GR_1	Glare Rating	36	10	
GR_1	Glare Rating	35	10	
GR_1	Glare Rating	49	10	
GR_1	Glare Rating	41	10	
GR_1	Glare Rating	38	10	
GR_1	Glare Rating	46	10	
GR_1	Glare Rating	45	10	
GR_1	Glare Rating	36	10	
GR_1	Glare Rating	21	10	
GR_1	Glare Rating	47	10	

Obtrusive Light - Compliance Report
AS/NZS 4282:2019, A3 - Medium District Brightness, Non-Curfew L1
Filename: McPherson Oval 4 Pole
14/10/2022 11:24:54 AM

Illuminance
Maximum Allowable Value: 10 Lux

Calculations Tested (11):	Test Results	Max. Illum.
Calculation Label		
ObtrusiveLight_2_Ill_Seg1	PASS	2
ObtrusiveLight_2_Ill_Seg2	PASS	1
ObtrusiveLight_2_Ill_Seg3	PASS	1
ObtrusiveLight_3_Ill_Seg1	PASS	2
ObtrusiveLight_3_Ill_Seg2	PASS	6
ObtrusiveLight_3_Ill_Seg3	PASS	4
ObtrusiveLight_4_Ill_Seg1	PASS	2
ObtrusiveLight_4_Ill_Seg2	PASS	3
ObtrusiveLight_5_Ill_Seg1	PASS	3
ObtrusiveLight_5_Ill_Seg2	PASS	3
ObtrusiveLight_1_Ill_Seg1	PASS	6

Luminous Intensity (Cd) At Vertical Planes
Maximum Allowable Value: 12500 Cd

Calculations Tested (11):	Test Results
Calculation Label	
ObtrusiveLight_2_Cd_Seg1	PASS
ObtrusiveLight_2_Cd_Seg2	PASS
ObtrusiveLight_2_Cd_Seg3	PASS
ObtrusiveLight_3_Cd_Seg1	PASS
ObtrusiveLight_3_Cd_Seg2	PASS
ObtrusiveLight_3_Cd_Seg3	PASS
ObtrusiveLight_4_Cd_Seg1	PASS
ObtrusiveLight_4_Cd_Seg2	PASS
ObtrusiveLight_5_Cd_Seg1	PASS
ObtrusiveLight_5_Cd_Seg2	PASS
ObtrusiveLight_1_Cd_Seg1	PASS

Threshold Increment (TI)
Maximum Allowable Value: 20 %

Calculations Tested (7):	Adaptation Luminance	Test Results
Calculation Label		
OL_TI_William St_1	10	PASS
OL_TI_William St_2	10	PASS
OL_TI_Fredrick St_1	10	PASS
OL_TI_Fredrick St_2	10	PASS
OL_TI_Garfiner St_1	10	PASS
OL_TI_Garfiner St_2	10	PASS
OL_TI_Wells St	10	PASS

Upward Waste Light Ratio (UWLR)
Maximum Allowable Value: 2.0 %

Calculated UWLR: 1.3 %
Test Results: PASS

Lighting system performance meets the minimum lighting criteria of AS2560.2 Sports Lighting - 200 lux AFL

Uses 30 metre poles
Lights are mounted at 30 metres

Design is compliant with AS4282:2019 Obtrusive Light
Obtrusive Lighting is calculated at 1.0MF

Project Name

McPherson Oval 4 Pole.AGI

Project designed by: Stacey



Date:14/10/2022

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Legacy Lighting

158 Gray Street
Swan Hill VIC 3585

ABN 53 622 912 252



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