



PROPOSED LIGHTING PLAN - Tennis Area 1
Scale= 1: 400

Luminaire Schedule							
Tag	Symbol	Fitting Code	Description	Lumens	LLF	Watts	Qty
F1a		AHM-M2-500W WB + Rear Shield	Caravel Mk2 LED High Mast Floodlight	64324	0.800	510	6
F1b		AHM-M2-500W WB Left & Rear	Caravel Mk2 LED High Mast Floodlight	56905	0.800	501.2	3
F1c		AHM-M2-500W WB Right & Rear	Caravel Mk2 LED High Mast Floodlight	58443	0.800	507.3	3

Obtrusive Light - Compliance Report

AS/NZS 4282:2019, A3 - Medium District Brightness, Non-Curfew L2
Filename: 200123_Bareena Park Tennis Club Lighting Study
20/01/2023 10:06:06 AM

Illuminance

Maximum Allowable Value: 10 Lux

Calculations Tested (10):

Calculation Label	Test Results	Max. Illum.
ObtrusiveLight_South_III_Seg1	PASS	9
ObtrusiveLight_South_III_Seg2	PASS	2
ObtrusiveLight_South_III_Seg3	PASS	6
ObtrusiveLight_South_III_Seg4	PASS	1
ObtrusiveLight_South_III_Seg5	PASS	3
ObtrusiveLight_East_III_Seg1	PASS	1
ObtrusiveLight_East_III_Seg2	PASS	0
ObtrusiveLight_East_III_Seg3	PASS	2
ObtrusiveLight_East_III_Seg4	PASS	0
ObtrusiveLight_East_III_Seg5	PASS	1

Luminous Intensity (Cd) At Vertical Planes

Maximum Allowable Value: 25000 Cd

Calculations Tested (10):

Calculation Label	Test Results
ObtrusiveLight_South_Cd_Seg1	PASS
ObtrusiveLight_South_Cd_Seg2	PASS
ObtrusiveLight_South_Cd_Seg3	PASS
ObtrusiveLight_South_Cd_Seg4	PASS
ObtrusiveLight_South_Cd_Seg5	PASS
ObtrusiveLight_East_Cd_Seg1	PASS
ObtrusiveLight_East_Cd_Seg2	PASS
ObtrusiveLight_East_Cd_Seg3	PASS
ObtrusiveLight_East_Cd_Seg4	PASS
ObtrusiveLight_East_Cd_Seg5	PASS

Calculation Summary							
Label	Units	Avg	Max	Min	Min/Avg	Min/Max	Height (m)
Court 01 PPA	Lux	360	459	276	0.77	0.60	1
Court 01 TPA	Lux	317	459	94	0.30	0.20	1
Court 02 PPA	Lux	360	460	276	0.77	0.60	1
Court 02 TPA	Lux	321	460	95	0.30	0.21	1
Court 03 PPA	Lux	356	458	274	0.77	0.60	1
Court 03 TPA	Lux	314	458	91	0.29	0.20	1

CLIENT LOCATION PROJECT # DRAWING #
Bareena NSW
Bareena Park Tennis Club
SO-01
SCALE REVISION #
DRAWN BY
CHECKED BY
AS SHOWN @ A3
C
Marcosa Calderon MIES
