Appendix 5.3: Lux Level Test Results

Post-Completion Outdoor Verification Protocol – BS EN 12464-2 & ILP GN01/21

1. Project & Site Information

Project Title:	Plot F2, Great Jackson Street	**Client:**	Renaker
Document Ref:	01405/REP/63-02	**Revision:**	P01
Prepared By:	AuraLED Ltd.	**Author / Checked:**	CB / CL
Ref. Drawing:	Public Realm GA F1 (Z1-SQY-G710-PL-XX-102)	**Approved Scheme:**	Great Jackson Street LTG_00B A3 / plan 260319
Date of Test:	07/10/2026	**Time of Test:**	21.00

2. Test Equipment & Environmental Conditions

Lux Meter Model:	TIS 1310	**Serial / Cert No:**	MBGF058402
Weather Conditions:	[X] Clear [X] Dr [ ] Overcast	**Environmental Zone:**	E4 Urban (ILP GN01/21)

3. Field Measurement Results (Section 3.1.2 Verification)

Assessment Zone / Area	Design E_{avg} [lx]	Measured E_{avg} [lx]	Design E_{min} [lx]	Measured E_{min} [lx]	Design U_0 (E_{min}/E_{avg})	Measured U_0
Lightspill beyond site boundary	1.58 lx	0.92	0.00 lx	0.01	n/a	0.01
F2 - Access Road	66 lx	28.7	4.66 lx	12.5	1 : 14.27 (0.07)	0.44
F2 - Footpath area 1	50 lx	58	4.25 lx	27.5	1 : 11.78 (0.08)	0.47
F2 - Footpath area 2	21 lx	40.7	4.17 lx	24.9	1 : 4.92 (0.20)	0.61

Assessment Zone / Area	Design E_{avg} [lx]	Measured E_{avg} [lx]	Design E_{min} [lx]	Measured E_{min} [lx]	Design U_0 (E_{min}/E_{avg})	Measured U_0
F2 - Terrace area	10.6 lx	20.1	0.44 lx	6.9	1 : 24.20 (0.04)	0.34
F2 – Street	3.56 lx	27	0.02 lx	13.8	1 : 190.63 (0.01)	0.51
F1 - CL2 - footpath area 1	32 lx	49.73	3.45 lx	17.2	1 : 9.20 (0.11)	0.34
F2 - CL2 - footpath area 2	33 lx	51.3	5.11 lx	12.5	1 : 6.48 (0.15)	0.24
F2 - Access Ramp	299 lx	81.8	159 lx	57.6	1 : 1.88 (0.53)	0.70

4. Obtrusive Light & Controls Audit (ILP GN01/21 E4 Criteria)

Parameter / Check Point	Target / Limit	Measured / Verified	Compliance Status
Vertical Illuminance (Pre-Curfew)	Max 25 lux	1_____ lx	[X] Pass [ ] Fail
Vertical Illuminance (Post-Curfew)	Max 5 lux	1_____ lx	[X] Pass [ ] Fail
CCT Verification (Ecological Buffer)	3000K (Spec) / 4000K (Audit)	___3000_____ K	[X] Pass [ ] Fail
Curfew Dimming Regime (23:00 hrs)	Auto Dimming to 30%/50%	N/A	[X] Pass [ ] Fail

**Note: Mounting heights, tilt angles, and rear shields/baffles verified against layout drawing Public Realm GA F1.*

5. Verification Sign-Off

TESTING ENGINEER / AUDITOR	CHECKED & APPROVED BY

Name: DL / AuraLED Ltd. Company: AuraLED Ltd. *Darryn Linaker* Signature & Date 07/10/2026	Name: KL / AuraLED Ltd. Company: AuraLED Ltd. *Ken Liddle* Signature & Date 08/10/2026