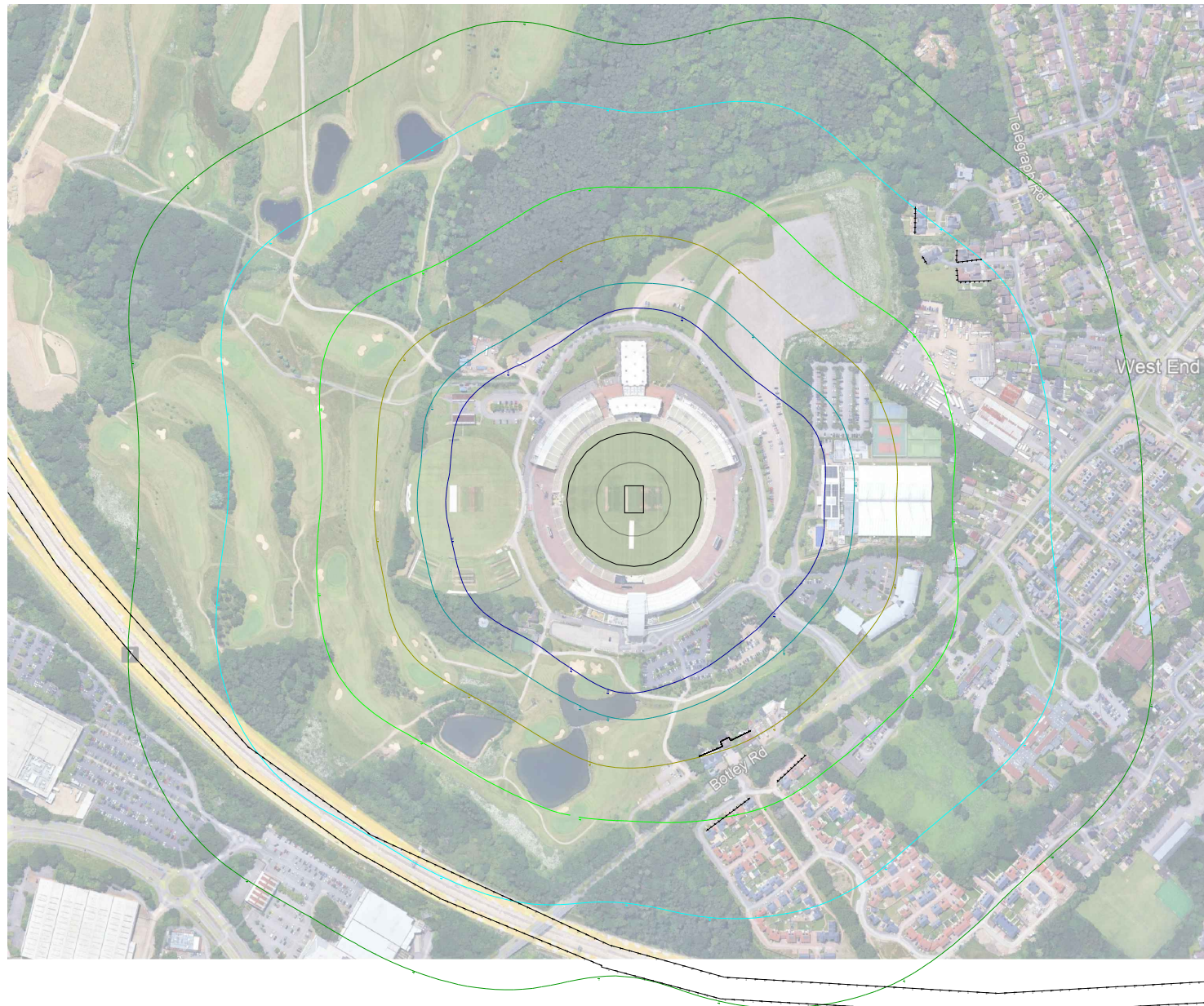


All Isoline Contours refer to ILP GN01 Table 3 (CIE 150 Table 2) Maximum values of vertical illuminance on premises. The Isoline Contours represent 25lx referring to an E4 environmental zone, and 10lx referring to an E3 environmental Zone

Light technical parameter	Application conditions	Environmental zone				
		E0	E1	E2	E3	E4
Illuminance in the vertical plane (E _v)	Pre-curfew	n/a	2 lx	5 lx	10 lx	25 lx
	Post-curfew	n/a	<0.1 lx*	1 lx	2 lx	5 lx



Vertical Isoline Contours at 1m above ground level facing toward the centre of the pitch - 25lx,10lx,5lx,2lx,1lx



Horizontal Isoline Contours at ground level - 25lx,10lx,5lx,2lx,1lx

Obrusive Light - Compliance Report
CIE 150:2017, E3-Medium District Brightness, Pre-Curfew
Filename: LS4065974-12 - Utilita Bowl - Spill & Glare
10/08/2026 13:36:25

Illuminance
Maximum Allowable Value: 10 Lux

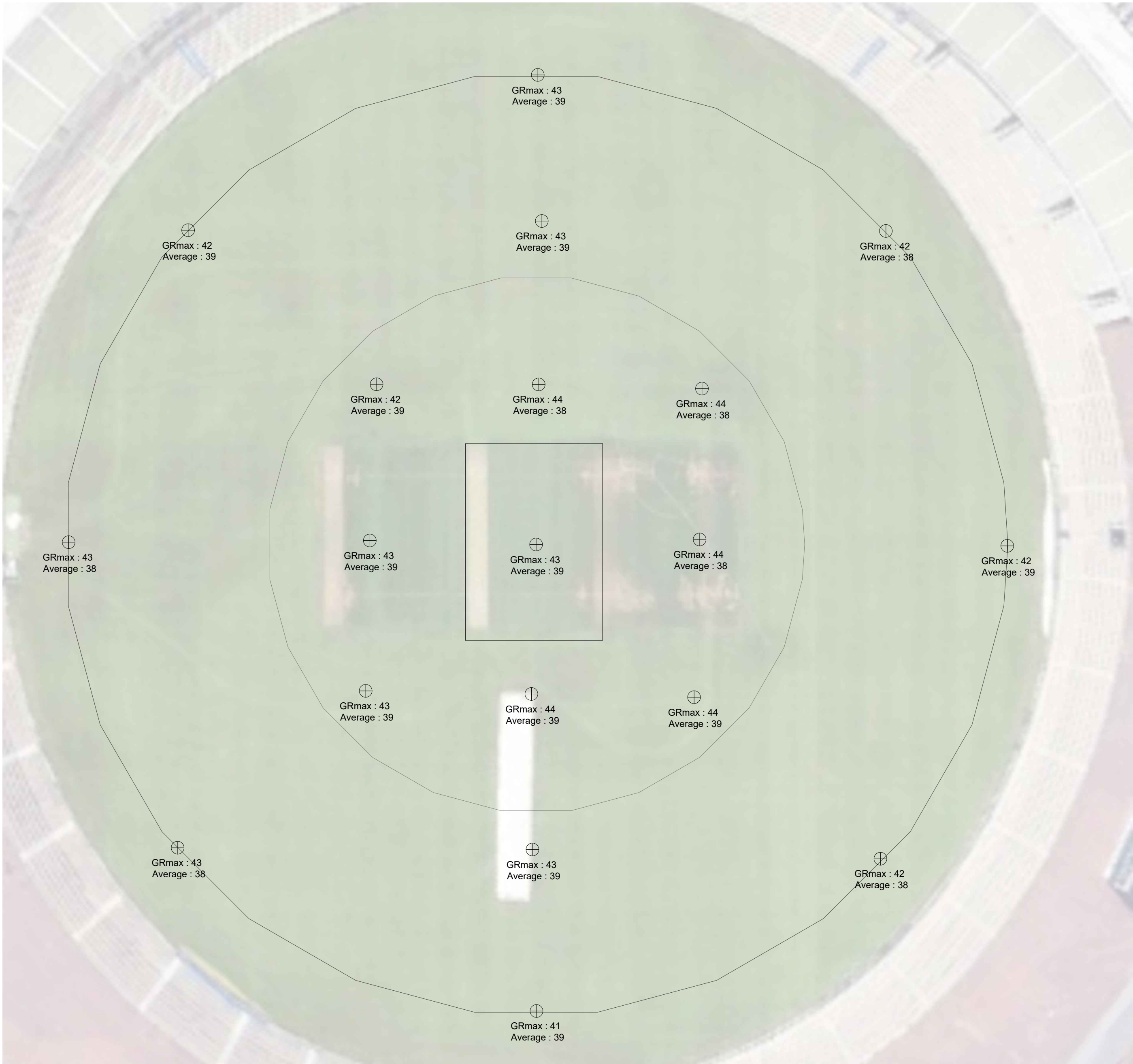
Calculations Tested (13):

Calculation Label	Test Results	Max. Illum.
Botley Rd _1_III_Seg1	PASS	5
Botley Rd _2_III_Seg1	PASS	6
Botley Rd_III_Seg1	PASS	9
Botley Rd_III_Seg2	PASS	0
Botley Rd_III_Seg3	PASS	10
Botley Rd_III_Seg4	PASS	0
Botley Rd_III_Seg5	PASS	10
Telegraph Hts_III_Seg1	PASS	1
Westgate Mews _1_III_Seg1	PASS	1
Westgate Mews _1_III_Seg2	PASS	2
Westgate Mews _2_III_Seg1	PASS	2
Westgate Mews_III_Seg1	PASS	1
Westgate Mews_III_Seg2	PASS	2

Threshold Increment (TI)
Maximum Allowable Value: 15 %

Calculations Tested (2):

Calculation Label	Adaptation Luminance	Test Results
M27 Northbound	10	PASS
M27 Southbound	10	PASS



Glare Calculations - Max and average glare shown for each viewer location as per BS EN 12464-2:2024 5.4.2 Glare rating



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Lighting Project: Utilita Bowl - Southampton

Title: Overspill & Glare Calculations

Design Ref: LS4065974/12A

Revision(s) From Previous Design:

JF (12A) - Vertical illuminance and TI calculations added

Design By: James Fogg

Date: 10/08/2026

Scale: NTS

All illuminance values are the result of computer calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.