



MMA LIGHTING CONSULTANCY	
PROJECT NAME: Shipley Road, Southwater	
PROJECT No: MMA19630	
SCALE: 1:500	DATE: 2 October 2025
CALCULATION: Horizontal Illuminance (lux)	
DESIGNER: MMA Lighting Consultancy Ltd	
MMA19630 - Shipley Road, Southwater - Private Lighting - Area Calculation - F2 Proposed on road lighting calculation with street lighting mounted Philips Lumina Gen2 LED luminaires. Lighting class F2 selected in accordance with BS5489-1:2020. Results required: Eav = 3.30 lux, Emin = 0.10 lux Emin/Emax = 0.12 Emin/Eav = 0.25 Based on: 102108.MLS, RL: 61 - 30.09.20	
PREPARED BY: MMA Lighting Consultancy Ltd 99 Old Bath Road Summer Field House Charvil Reading Berkshire RG10 9QN Email: info@mma-consultancy.co.uk Web: www.mma-consultancy.co.uk	
Results Grid 1	
Eav	4.34
Emin	1.07
Emax	6.52
Emin/Emax	0.16
Emin/Eav	0.25
Results Grid 2	
Eav	4.15
Emin	0.82
Emax	8.22
Emin/Emax	0.10
Emin/Eav	0.20
Results Grid 3	
Eav	4.24
Emin	1.08
Emax	8.68
Emin/Emax	0.12
Emin/Eav	0.25
Results Grid 4	
Eav	4.06
Emin	0.92
Emax	7.00
Emin/Emax	0.13
Emin/Eav	0.23
Results Grid 5	
Eav	3.99
Emin	2.47
Emax	5.82
Emin/Emax	0.42
Emin/Eav	0.62
Results Grid 6	
Eav	4.12
Emin	1.60
Emax	5.97
Emin/Emax	0.27
Emin/Eav	0.39
Results Grid 7	
Eav	4.38
Emin	3.00
Emax	5.78
Emin/Emax	0.52
Emin/Eav	0.69

	Luminaire A	Luminaire B	Luminaire C
Supplier			
Type	BCP7021-4312125-833C-1831-3d 26-26531e5c370	BCP7021-816299F-5353-2180-90 e3-e138809b4f	BCP7021-3c3d8d4f-0d43-4897-52 58-872e78ca2886
Lamp(s)	LED35-45727	LED27-458727	LED30-45727
Lamp Flux (lm)	3.50	2.70	3.00
Maintenance Factor	1.00	1.00	1.00
No. in Project	7	9	4