DATE: DESIGNER:

18 February 2022

PROJECT No: PROJECT NAME: s.40 1000007892-PCL-LCP-2-01-01-V02

: Pudding Mill Lane

Proposed calculation C3 Target Lighting Level for Pudding Mill Lane and Barber Lane existing M3 (C3 Comparable) for Marshgate Lane and Barley Lane Eav (min) - 15.00 Lux Emin/Eav (min) 0.40 uniformity

PROJECT

CENTRE

Environmental Zone E3,

Maintenance Factor 0.83: 72 months, >6m, CCT 4000K MF = 0.90 x 1.00 x 0.92 = 0.83

Luminaires on 0.5m or 1.0m brackets, 670mm to centre of LEDs

# **Outdoor Lighting Report**

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### Layout Report

#### General Data

Dimensions in Metres Angles in Degrees

#### **Calculation Grids**

ID	Grid Name	Х	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Pudding Mill Lane	538008.83	183370.75	58.36	182.50	1.50	1.50
2	Marshgate Barley	538015.24	183369.29	106.41	178.12	1.50	1.50
3	Barbers Road	537872.01	183525.84	33.00	106.50	1.50	1.50

#### **Luminaires**



Lumi	10 211	$\sim \Lambda$	Linto
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Supplier	Urbis Schreder
Туре	AXIA 2.2 5166 Integrated lenses 32 NVSL 219CT@690mA NW 740 2
Lamp(s)	32 NVSL219CT@690mA NW 740 230V
LampFlux(klm)/Colour	9.11 NW 4000K/70
File Name	AXIA 2.2 5166 32 NVSL219CT 690mA NW 740 69W 384192 Integrated lenses 230V
Maintenance Factor	0.83
lmax70,80,90(cd/klm)	1023.1, 181.3, 0.0
No. in Project	24

#### <u>Layout</u>

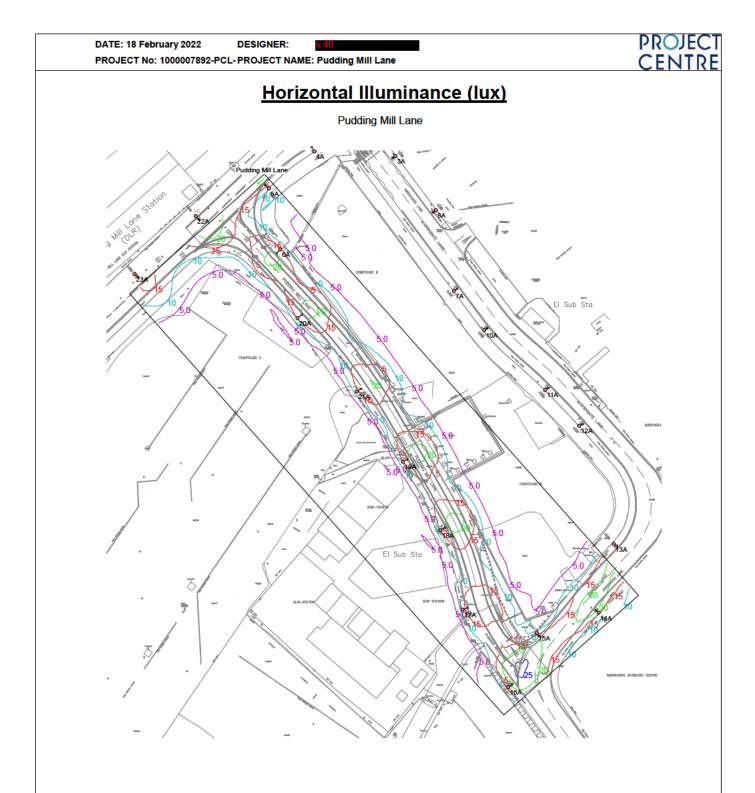
ID	Туре	х	Y	Height	Angle	Tilt	Cant	Out-	Target	Target	Target
								reach	x	Y	z
1	Α	537945.86	183576.88	10.00	39.00	0.00	0.00	1.17			
3	Α	537973.79	183551.89	10.00	219.00	0.00	0.00	1.17			
4	Α	537947.55	183553.32	10.00	124.00	10.00	0.00	1.67			
5	Α	537932.79	183541.34	10.00	139.00	10.00	0.00	1.67			
6	Α	537936.44	183521.52	10.00	226.00	0.00	0.00	1.67			
7	Α	537992.72	183508.16	10.00	30.00	0.00	0.00	1.17			
8	Α	537986.85	183534.32	10.00	219.00	0.00	0.00	1.17			
9	Α	538059.97	183451.07	10.00	219.00	0.00	0.00	1.17			
10	Α	538002.52	183495.43	10.00	30.00	0.00	0.00	1.17			
11	Α	538022.28	183476.12	10.00	30.00	0.00	0.00	1.17			
12	Α	538033.29	183464.41	10.00	30.00	0.00	0.00	1.17			
13	Α	538044.50	183426.15	10.00	320.00	0.00	0.00	1.17			
14	Α	538039.58	183403.88	10.00	140.00	10.00	0.00	1.17			
15	Α	538019.51	183397.28	10.00	306.00	10.00	0.00	1.17			
16	Α	538010.30	183379.74	10.00	30.00	0.00	0.00	1.67			
17	Α	537995.52	183404.88	10.00	21.00	0.00	0.00	1.67			
18	Α	537988.31	183430.59	10.00	30.00	0.00	0.00	1.67			
19	Α	537976.15	183452.76	10.00	30.00	0.00	0.00	1.67			

DATE: 18 February 2022	DESIGNER:	s.40
PROJECT No: 1000007892-PC	L-PROJECT NAME	: Pudding Mill Lane

### Layout Continued

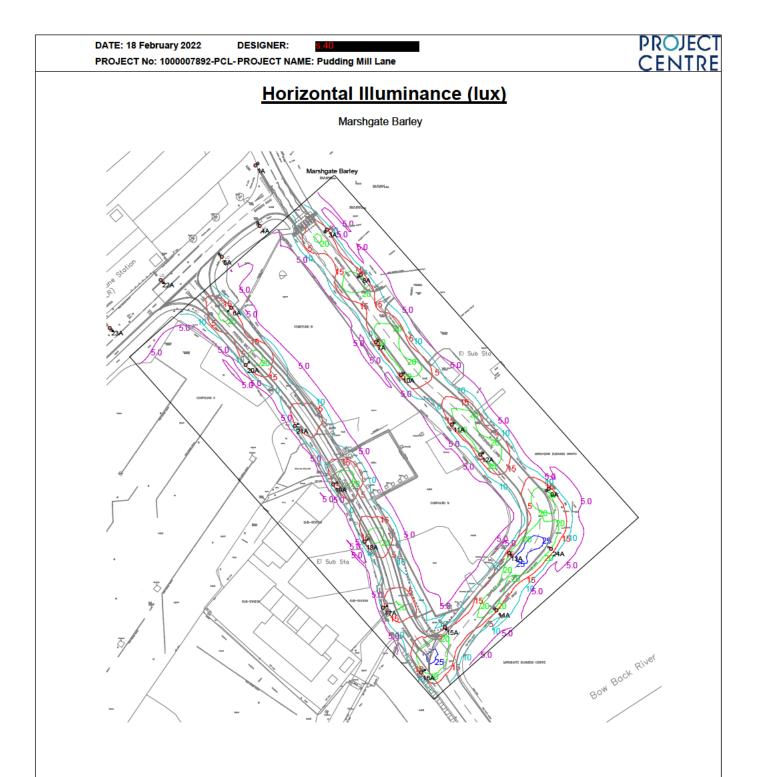
ID	Туре	x	Y	Height	Angle	Tilt	Cant	Out-	Target	Target	Target
								reach	x	Y	Z
20	Α	537942.05	183499.26	10.00	40.00	0.00	0.00	1.67			
21	Α	537961.16	183475.53	10.00	33.00	0.00	0.00	1.67			
22	Α	537909.02	183532.37	10.00	314.00	10.00	0.00	1.67			
23	Α	537889.22	183513.67	10.00	317.00	10.00	0.00	1.67			
24	Α	538060.84	183427.77	10.00	149.00	0.00	0.00	1.17			
24	Α	537954.65	183591.67	10.00	314.00	0.00	0.00	1.17			

PROJECT CENTRE



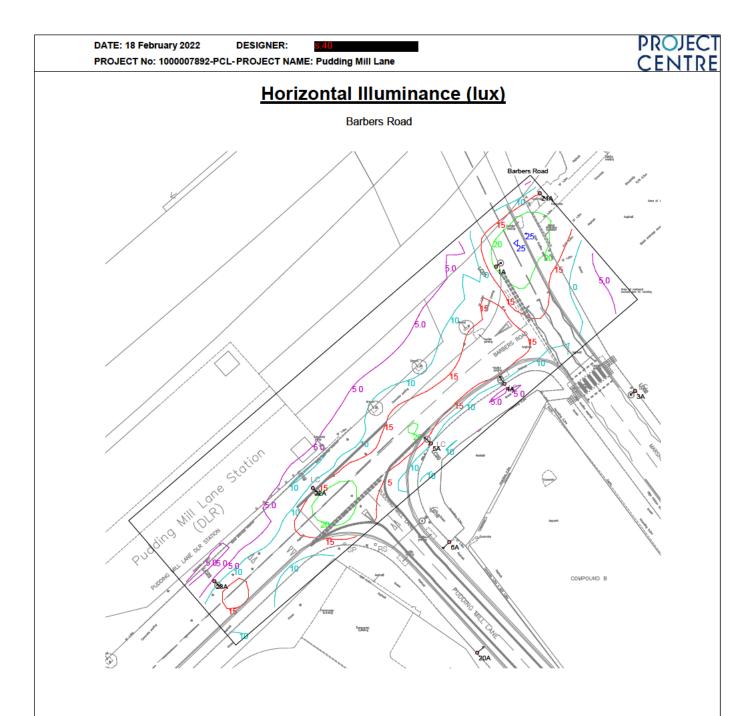
### Results

Eav	15.00
Emin	7.33
Emax	25.64
Emin/Emax	0.29
Emin/Eav	0.49



### Results

Eav	17.70
Emin	7.40
Emax	26.11
Emin/Emax	0.28
Emin/Eav	0.42



#### Results

Eav	15.46
Emin	6.28
Emax	25.06
Emin/Emax	0.25
Emin/Eav	0.41

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DATE:

18 January 2022

DESIGNER: PROJECT No:

1000007892-PCL-LCP-2-01-02-V01

PROJECT NAME: Pudding Mill Lane

s.40

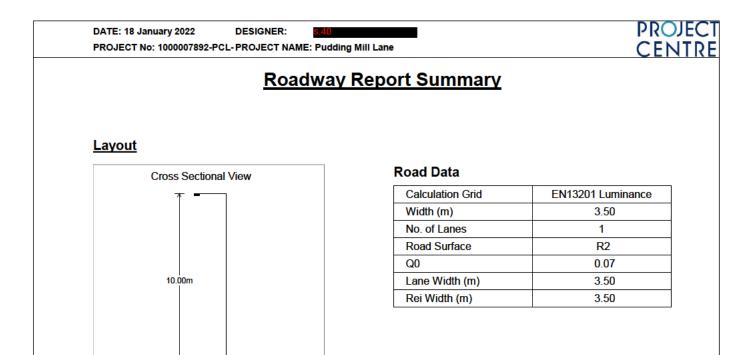
Proposed Pudding Mill Lane road calculation C3 Target Lighting Level Eav (min) - 15.00 Lux Emin/Eav (min) 0.40 uniformity Environmental Zone E3, Maintenance Factor 0.83: 72 months, >6m, CCT 4000K MF = 0.90 x 1.00 x 0.92 = 0.83 PROJEC

CENTRE

Luminaires on 0.5m or 1.0m brackets, 670mm to centre of LEDs Existing luminaire information has not been confirmed, assumed optics have been used Column spacings approximate to existing spacings on Marshgate Lane and Barley Lane Maximum spacing 39m

# **Roadway Lighting Report**

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#### Main Lighting

<---- 3.50m→

#### **Column Data**

Configuration	Single Sided Right
Spacing (m)	27.00
Height (m)	10.00
Tilt (deg)	0.00
Setback (m)	2.50
Outreach (m)	1.67
Overhang (m)	-0.83

uminaire Data	The second second
Supplier	Urbis Schreder
Туре	AXIA 2.2 5166 Integrated lenses 32 NVSL 219CT@690mA NW 740 2
Lamp(s)	32 NVSL219CT@690mA NW 740 230V
LampFlux(klm)/Colour	9.11 NW 4000K/70
File Name	AXIA 2.2 5166 32 NVSL219CT 690mA NW 740 69W 384192 Integrated lenses 230V

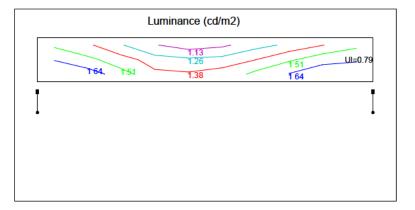
0.83

G1

Results

Roounco						
Main						
Complies with M3						
Lavmin	1.45 (1)					
Lmin	1.07 (1)					
Lmax	1.83 (1)					
U0min	0.74 (1)					
Ulmin	0.79 (1)					
TI(%)	10.96 (1)					
Rei	0.78					
Number in brackets is the						

Number in brackets is the Observer Lane for Result shown.



Luminaire Supplier Туре Lamp(s)

Maintenance Factor

Lum. Int. Class

