

| Luminaire Schedule                                                             |     |     |        |          |                                                                  | Lumens | S/P Ratio | Cutoff Class | Total MF | Unit Watts | Config Watts |
|--------------------------------------------------------------------------------|-----|-----|--------|----------|------------------------------------------------------------------|--------|-----------|--------------|----------|------------|--------------|
| Symbol                                                                         | Ref | Qty | Config | Outreach | Description                                                      |        |           |              |          |            |              |
|  | A   | 13  | SINGLE | 0        | Windsor Street 16LED 3k A5 400mA 5M TLS                          | 2460   | 1.30      | Non-Cutoff   | 0.840    | 22         | 22           |
|  | B   | 13  | SINGLE | 0        | Pharola Dark Skies Bollard, 9 x 3K LED array, 360° Optic, 1M TLS | 1515   | 1.30      | Semi-Cutoff  | 0.840    | 20         | 20           |

LLMF = 1.0 Based on CLO LED Data

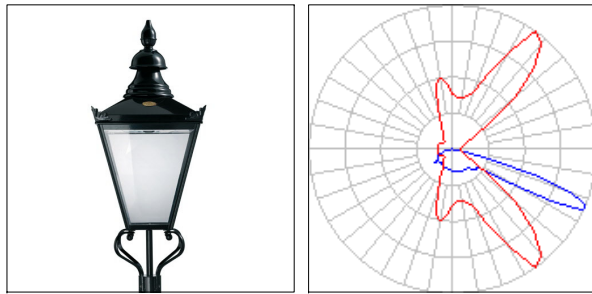
LMF: BSS489-1:2013 [Table B1] 72 Months:

E3/E4 <6M TLS = 0.84

LLMF\*LMF = Total MF

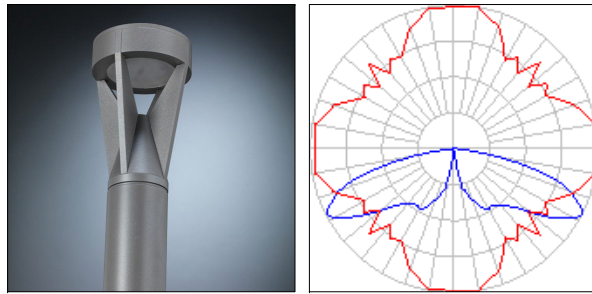
| Calculation Summary |             |       |       |       |      |      |      |         |         |  |
|---------------------|-------------|-------|-------|-------|------|------|------|---------|---------|--|
| Grid Ref            | Measurement | Units | Eav   | Emax  | Emin | Uo   | Ud   | X Pitch | Y Pitch |  |
| Path 1              | Illuminance | Lux   | 13.13 | 66.3  | 1.3  | 0.10 | 0.02 | 1.5     | N.A.    |  |
| Path 2              | Illuminance | Lux   | 16.04 | 76.3  | 0.7  | 0.04 | 0.01 | 1.5     | N.A.    |  |
| Road 1              | Illuminance | Lux   | 3.55  | 12.7  | 0.7  | 0.20 | 0.06 | 1.5     | 1.5     |  |
| Road 2              | Illuminance | Lux   | 3.29  | 11.9  | 0.7  | 0.21 | 0.06 | 1.5     | 1.5     |  |
| Road 3              | Illuminance | Lux   | 3.42  | 12.0  | 0.7  | 0.20 | 0.06 | 1.5     | 1.5     |  |
| 750                 | Illuminance | Lux   | 0.99  | 149.3 | 0.0  | 0.00 | 0.00 | 2       | 2       |  |

| Luminaire Location Summary |           |          |          |            |         |      |          |          |          |         |
|----------------------------|-----------|----------|----------|------------|---------|------|----------|----------|----------|---------|
| Col ID                     | Ref (Qty) | X        | Y        | Z (Height) | Angle   | Tilt | X-Target | Y-Target | Z-Target | Dimming |
| 1                          | B (1)     | -111.25  | 4.797    | 1          | 310.03  | 0    | -111.25  | 4.797    | 1        | 1.00    |
| 2                          | B (1)     | -87.043  | 3.312    | 1          | 303.167 | 0    | -87.043  | 3.312    | 1        | 1.00    |
| 3                          | B (1)     | -99.444  | 1.976    | 1          | 20.962  | 0    | -99.444  | 1.976    | 1        | 1.00    |
| 4                          | B (1)     | -122.834 | -1.737   | 1          | 322.511 | 0    | -122.834 | -1.737   | 1        | 1.00    |
| 5                          | B (1)     | -76.499  | -3.37    | 1          | 23.747  | 0    | -76.499  | -3.37    | 1        | 1.00    |
| 6                          | B (1)     | 1.469    | -47.924  | 1          | 290.724 | 0    | 1.469    | -47.924  | 1        | 1.00    |
| 7                          | B (1)     | 10.008   | -55.275  | 1          | 8.019   | 0    | 10.008   | -55.275  | 1        | 1.00    |
| 8                          | B (1)     | 13.275   | -65.078  | 1          | 336.143 | 0    | 13.275   | -65.078  | 1        | 1.00    |
| 9                          | B (1)     | 13.943   | -77.33   | 1          | 343.132 | 0    | 13.943   | -77.33   | 1        | 1.00    |
| 10                         | B (1)     | 13.943   | -89.359  | 1          | 13.131  | 0    | 13.943   | -89.359  | 1        | 1.00    |
| 11                         | B (1)     | 6.295    | -98.938  | 1          | 5.798   | 0    | 6.295    | -98.938  | 1        | 1.00    |
| 12                         | B (1)     | 6.147    | -110.225 | 1          | 28.306  | 0    | 6.147    | -110.225 | 1        | 1.00    |
| 13                         | B (1)     | 4.216    | -121.957 | 1          | 346.816 | 0    | 4.216    | -121.957 | 1        | 1.00    |
| 14                         | A (1)     | -87.1    | 73.979   | 5          | 150.187 | 0    | -87.1    | 73.979   | 5        | 1.00    |
| 15                         | A (1)     | -69.747  | -3.644   | 5          | 42.711  | 0    | -69.747  | -3.644   | 5        | 1.00    |
| 16                         | A (1)     | -101.229 | 12.169   | 5          | 90.175  | 0    | -101.229 | 12.169   | 5        | 1.00    |
| 17                         | A (1)     | 94.899   | 42.867   | 5          | 174.86  | 0    | 94.899   | 42.867   | 5        | 1.00    |
| 18                         | A (1)     | 61.957   | 103.221  | 5          | 300.806 | 0    | 61.957   | 103.221  | 5        | 1.00    |
| 19                         | A (1)     | -40.455  | -32.157  | 5          | 57.35   | 0    | -40.455  | -32.157  | 5        | 1.00    |
| 20                         | A (1)     | -2.322   | -42.468  | 5          | 106.201 | 0    | -2.322   | -42.468  | 5        | 1.00    |
| 21                         | A (1)     | 18.607   | -11.662  | 5          | 154.36  | 0    | 18.607   | -11.662  | 5        | 1.00    |
| 22                         | A (1)     | 29.205   | 23.846   | 5          | 324.917 | 0    | 29.205   | 23.846   | 5        | 1.00    |
| 23                         | A (1)     | 15.955   | 44.001   | 5          | 235.369 | 0    | 15.955   | 44.001   | 5        | 1.00    |
| 24                         | A (1)     | -50.734  | 18.999   | 5          | 312.653 | 0    | -50.734  | 18.999   | 5        | 1.00    |
| 25                         | A (1)     | -21.875  | 47.663   | 5          | 315.07  | 0    | -21.875  | 47.663   | 5        | 1.00    |
| 26                         | A (1)     | -133.345 | -5.941   | 5          | 134.15  | 0    | -133.345 | -5.941   | 5        | 1.00    |

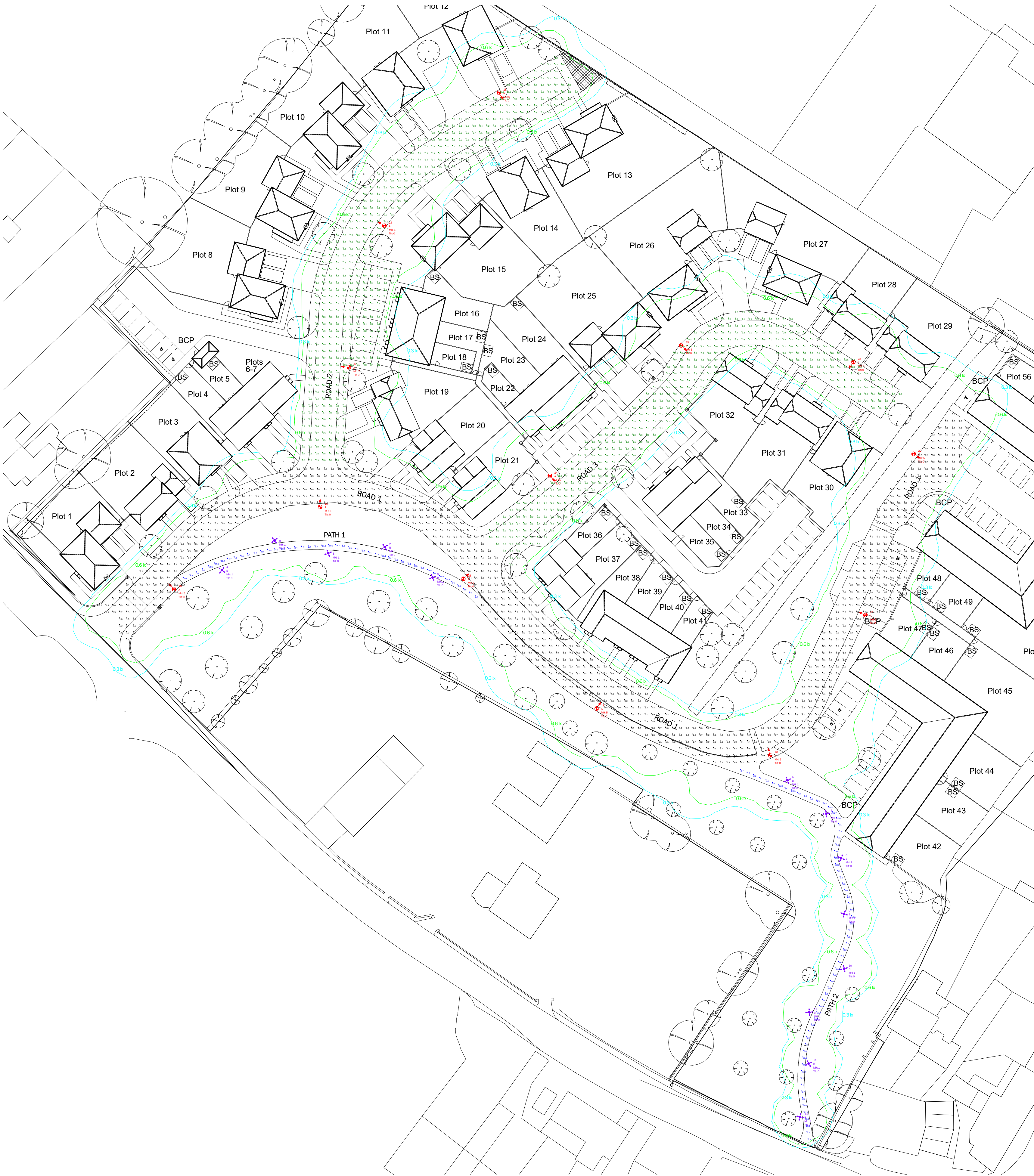


REF A:  
Windsor Street luminaire, frog mounted post top mounting, 16 x 3000K  
LED array run at 400mA, A5 Optic, 35 lux photocell, RAL 9005 finish

5M to light source Cardiff column, RAL 9005 finish



REF B:  
Pharola Dark Skies Bollard, root mounted, 9 x 3000K LED array run at  
700mA, 360° optical distribution, 1000mm tall, RAL 9005 finish.



#### BS EN 13201-2:2015

6.1 Requirements for pedestrians & pedal cyclists  
Table 3 - P Lighting Classes

**Class P5:**  
3.0 - 4.5lx Eav  
0.6lux Emin

Roads 1, 2 and 3:

|   |          |                         |
|---|----------|-------------------------|
| B | 25/06/20 | Revised to new CAD DWG  |
| A | 25/06/19 | Based on client CAD DWG |

Issue: Date: Description:

CDM Statement:  
Please note that this proposed lighting scheme is a lighting solution that has been designed with information provided by the client. The solution does not include site, installation engineering or any risk assessment considerations.



Project:  
**Bonhams Field,  
Yapton**

Client: Seaward Properties Ltd Westgate Homes Contact: Chris Monk  
Project Management: Simon Tibble Lighting Design: Lee Walker

All measurements in Metres & lux. Do not scale from this drawing.  
All product images are indicative.

Filename: 14721-1-B Layout.AGI AG328 Version 19.11.27  
Date: 24/06/2020 Scale: 1:500 @ A1

Project Ref: Page 1 of 1

# 14721-1-B