

Project Title:	UoH Daphne Steele Building	Submission no:	E018
Contract No:	HNE.0466		
To:	Simon Blackburn	Company:	SDA
Approval of the following equipment is required:			
Equipment:	Street lighting columns		
Manufacturer:	DW Windsor		
Description:	DW Windsor Sephora Halo Radius external lighting column, also included is the lighting calculation plot for the paths.		
Specification References:			
Attached Detail Documents:			
Manufacturer's Product Specification Sheet			
Design calculations plot.			
Electrical requirements for equipment: As Detailed			
Planned site delivery: June 2024			
Issued by: BAM Construction Ltd.	Gary Wheelhouse	Date	12/10/2023
Please return comments by: 26/12/2023 to achieve construction delivery dates.			

To be completed and returned by MEPH Consultant Design Engineer			
Technical submission is ** approved / approved with comments / not approved. (**delete as appropriate)			
Returned by:		Company:	
Signature:		Date:	



LUMINAIRE SPECIFICATION SHEET

Type/Ref

EX7

DW Windsor Pindar Road Hoddeson Hertfordshire EN11 0DX Tel: +441992 474600

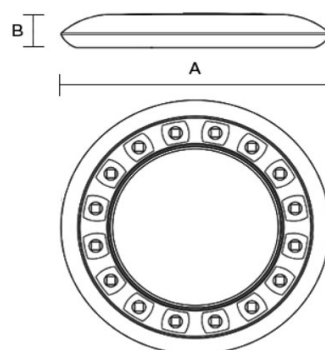
Project Name:	Univ of Huddersfield Health & Wellbeing		
Client:	BAM Construction		
Project No:	Q51178	Rev No	2
Date:	21-Sep-23		
Product Name:	Sephora Halo Radius		
Light Fixture Type:	Direct post 76mm Ø		
Lamp Type:	16 LED		
Colour Temp:	3000°k		
Drive Current:	700mA		
Optic:	Diamond+A1		
Control Gear:	Programmable driver		
IK Rating:	IP66		
IP Rating:	IK09		
Temp range C°:	Minus 25°c to plus 50°c		
Housing:	HP die-cast aluminium		
Diffuser:	Toughened Glass		
Finish:	Polyester powder coat		
Colour:	RAL9005 Black		
Lifetime:	L90 100000 hours		

Product Image:

Direct post
Ø76mm



Dimensional Image:



Dimensions (mm):

A 779 B 90

Weight (kg):

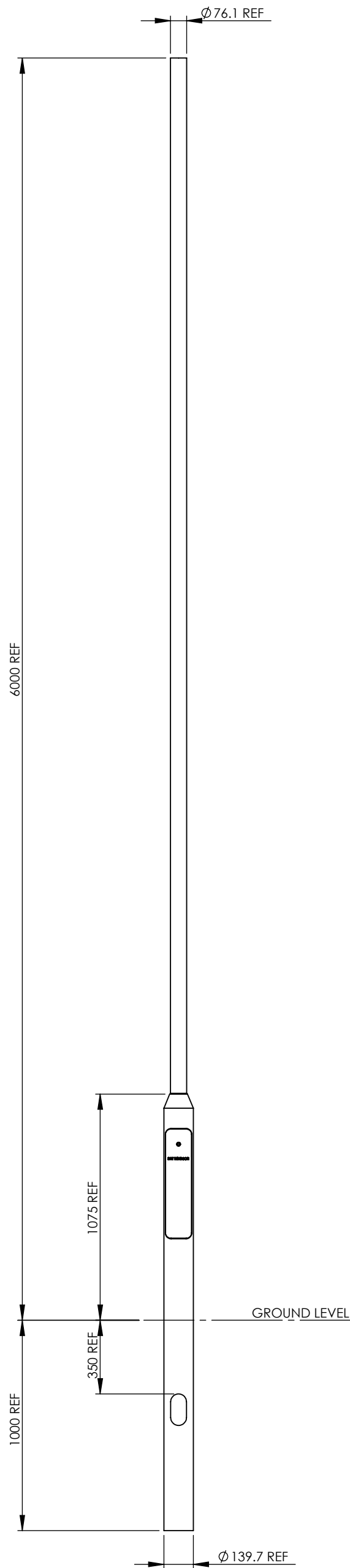
14.4

Windage (m²):

0.118

Additional information:

Fitted with a 35 lux electronic photocell and pre-wired with 8m 3 core 2.5mm² cable



THIS DRAWING/DOCUMENT IS COPYRIGHT AND THE SOLE PROPERTY OF D.W.WINDSOR LTD. THEREFOREAS SUCH THE CONTENTS MAY NOT, EITHER IN WHOLE OR IN PART BE PASSED IN ANY WAY TO A THIRD PARTY, WITHOUT FIRST OBTAINING PERMISSION FROM D.W.WINDSOR LTD.

E			
D			
C			
B			
A	20-11-14	DRAWN	
ISSUE	DATE	REVISION	C/NOTE No

D W Windsor
LIGHTING

PINDAR ROAD, HODDESDON,
HERTFORDSHIRE, EN11 0DX.
TEL. 01992 474600 FAX. 01992 474603

**6M AGL POST TOP TUBULAR COLUMN
ROOT MOUNTED - Ø76 / Ø139**

ALL DIMENSIONS IN mm

MATERIAL:

S275

DRAWN: K.M
SCALE: 1:22

PART No
CPT06AGL

A3 DO NOT SCALE

FINISH:

TO ORDER SPECIFICATION

LINEAR TOLERANCE ± EN40
DATE: 20-11-14

DRG No
3d21064-34

A

Luminaire Schedule					Outreach	Description	Lumens	Cutoff Class	Total MF	Unit Watts
Symbol	Ref	Qty	Config							
	EX7	18	Single		0	Sephora Halo- 16LED- 3K- A1- CLO_700mA UMSUG 42 0109 0000 100	13204	Full Cutoff	0.840	109

Luminous Flux Factor [LFF]: BS5489-1:2020 [Annex D2] = 1.0 Based on CLO LED Data

Survival Factor [SF]: BS5489-1:2020 [Annex D2] = 1.0

Luminaire Maintenance Factor [LMF]: BS5489-1:2020 [Table C1] = 72 Months: Environmental Zone:

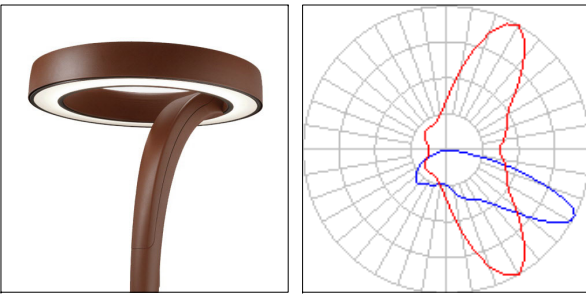
E3/E4 =<6M TLS = 0.84

[LFF] * [SF] * [LMF] = Total Maintenance Factor Value

Calculation Summary									
Grid Ref	Measurement	Units	Eav	Emax	Emin	Uo	Ud	X Pitch	Y Pitch
Road 2	Illuminance	Lux	51.07	68.8	23.1	0.45	0.34	1.5	1.5
Road 3	Illuminance	Lux	57.32	75.8	25.1	0.44	0.33	1.5	1.5
Road 4	Illuminance	Lux	50.69	70.4	20.8	0.41	0.30	1.5	1.5
Road 5	Illuminance	Lux	45.16	59.6	25.0	0.55	0.42	1.5	1.5

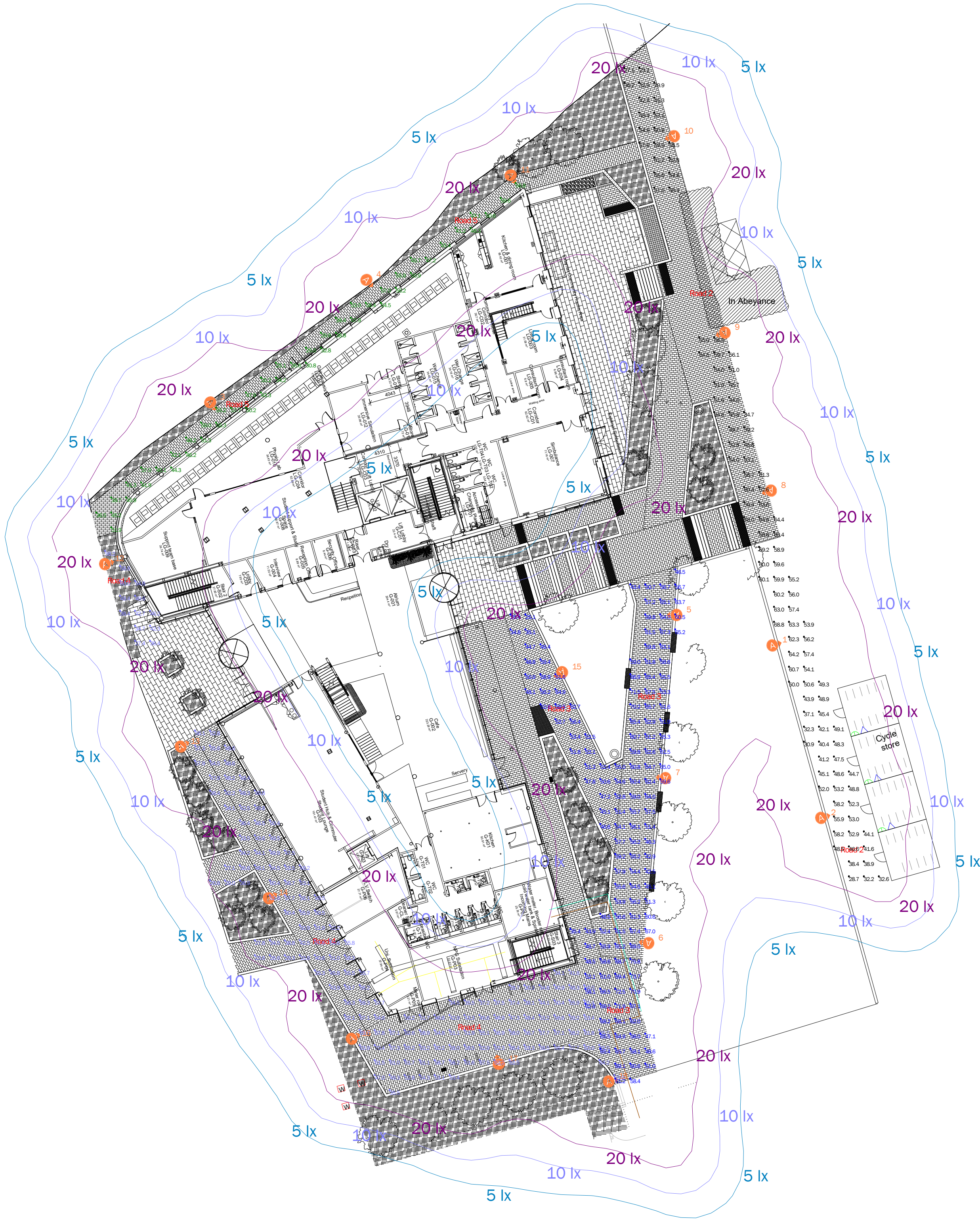
Target Lux Level: 45Lux Av, 40%Uo

Luminaire Location Summary							
Col ID	Ref (Qty)	X	Y	Z (Height)	Angle	Dimming	
1	EX7 (1)	414751.586	416959.27	6	16.63	1.00	
2	EX7 (1)	414756.461	416941.996	6	16.245	1.00	
3	EX7 (1)	414695.286	416983.62	6	305.137	1.00	
4	EX7 (1)	414710.927	416995.89	6	311.979	1.00	
5	EX7 (1)	414741.995	416962.319	6	181.315	1.00	
6	EX7 (1)	414739.184	416929.447	6	172.536	1.00	
7	EX7 (1)	414740.877	416945.973	6	173.66	1.00	
8	EX7 (1)	414751.462	416974.778	6	197.806	1.00	
9	EX7 (1)	414746.832	416990.596	6	199.031	1.00	
10	EX7 (1)	414741.749	417010.271	6	198.056	1.00	
11	EX7 (1)	414725.38	417006.368	6	299.897	1.00	
12	EX7 (1)	414684.732	416967.417	6	15.432	1.00	
13	EX7 (1)	414692.318	416949.137	6	28.841	1.00	
14	EX7 (1)	414701.139	416933.946	6	28.941	1.00	
15	EX7 (1)	414730.544	416996.589	6	209.998	1.00	
16	EX7 (1)	414709.442	416919.869	6	29.119	1.00	
17	EX7 (1)	414724.191	416917.337	6	104.034	1.00	
18	EX7 (1)	414735.191	416915.596	6	14.605	1.00	



REF A [EX7]:
Sephora Halo, 16 LED, 3K, A1, CLO, 700mA,
Painted in Black RAL9005, 35 Lux Photocell.

6m TLS Tubular Steel Column, RAL9005 Black Finish.



G	11/10/2023	Layout change, removal of lanterns
F	25/05/2023	Sephora Halo Locations Revised
E	23/05/2023	Sephora Halo Now At 6m
D	20/03/2023	Changed to Kirium Pro S 1
C	16/02/2023	Change to 5M
B	15/02/2023	Reduction in quantity
A	13/02/2023	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.



Pindar Road, Hoddeston Herts, EN11 0DX, UK T: 01992 474600 E:info@dw Windsor.co.uk W: www.dw Windsor.co.uk

Project:
**University of Huddersfield -
Health and wellbeing academy**

Client:	BAM Construction	Contact:	Jason Rodger
Project Management:	Den Gormley	Lighting Design:	Mike Walker
All measurements in Metres & lux. Do not scale from this drawing. All product images are indicative.			
Filename:	23-066-1G - 1.1 University of Huddersfield - Health and Wellbeing [Design].AGI	AGI328 Version	20.11.12
Date:	11/10/2023	Scale:	1:300 @ A1
Project Ref:		Page	1 of 1

23-066-1G