Leatherhead Road (166) - Without Trees

House	Room Activity	DA Threshold (lux, 50% of the Daylight Hours for 50% of the Area)	DA (%)	Result
	Bedroom 1	100.00	100.00	Pass
	Bedroom 2	100.00	100.00	Pass
House 1	Bedroom 3	100.00	100.00	Pass
	KLD	200.00	62.20	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 2	Bedroom 3	100.00	100	Pass
	KLD	200.00	61.91	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 3	Bedroom 3	100.00	100	Pass
	KLD	200.00	63.11	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 4	Bedroom 3	100.00	100	Pass
	KLD	200.00	68.45	Pass
	Study/Snug	150.00	99.67	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 5	Bedroom 3	100.00	100	Pass
	KLD	200.00	68.74	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 6	Bedroom 3	100.00	100	Pass
	KLD	200.00	71.74	Pass
	Study/Snug	150.00	100.00	Pass
	Bedroom 1	100.00	100.00	Pass
House 7	Bedroom 2	100.00	100.00	Pass
House 7	Bedroom 3	100.00	100.00	Pass
	KLD	200.00	100.00	Pass

Assumptions:			
Working plane: 0.85 m	above floc	or	
Grid size: 0.2	5 m		
Working plane (AOI): 0.30 m	from inter	nal wall	
CIBSE 2016 London TRY Annua	al Hourly we	eather file	
Window Frames: Based on ar	chitectural	drawings	
Glazing: light transmit	tance = 70%	6	
Reflectance	es		
1. Window frame: grey, reflectance = 35%	1. Window frame: grey, reflectance = 35%		
2. Wall internal surface: offwhite plaster, re	eflectance =	70%	
3. Ceiling internal: white painted ceiling, re-	flectance =	80%	
4. Floor internal: Light grey, reflectance = 4	5%		
5. Wall external dark surface reflectance = 40%			
6. Wall external light surface reflectance = 60%			
7. Floor external: reflectance = 70%			
8. External Ground and Grass reflectance =	20%		
Passing Criteria (BRE Recommendations) (50% of ti	me at 50% of space)	
Usage	Daylight Availability (lux)		
Kitchen		200	
Living/Dinning room/Study/Snug	G		
Combined Living/Kitchen and Studios	Combined Living/Kitchen and Studios 200		
Bedroom	Bedroom 100		
Reuslts	No. %		
Pass	34 100.00		
Fail	0 0.00		
Total assessed rooms	34 100.00		

Leatherhead Road (166) - With Winter Bare Branch Trees

House	Room Activity	DA Threshold (lux, 50% of the Daylight Hours for 50% of the Area)	DA (%)	Result
	Bedroom 1	100.00	100.00	Pass
	Bedroom 2	100.00	100.00	Pass
House 1	Bedroom 3	100.00	100.00	Pass
	KLD	200.00	61.31	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 2	Bedroom 3	100.00	100	Pass
	KLD	200.00	62.5	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 3	Bedroom 3	100.00	100	Pass
	KLD	200.00	54.19	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 4	Bedroom 3	100.00	100	Pass
	KLD	200.00	55.65	Pass
	Study/Snug	150.00	99.67	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 5	Bedroom 3	100.00	100	Pass
	KLD	200.00	53.56	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 6	Bedroom 3	100.00	100	Pass
	KLD	200.00	51.51	Pass
	Study/Snug	150.00	100.00	Pass
	Bedroom 1	100.00	97.90	Pass
House 7	Bedroom 2	100.00	100.00	Pass
House 7	Bedroom 3	100.00	100.00	Pass
	KLD	200.00	100.00	Pass

Assumptions:			
Working plane: 0.85 n	n above floo	or	
Grid size: 0.2	5 m		
Working plane (AOI): 0.30 m	from inter	nal wall	
CIBSE 2016 London TRY Annua	al Hourly we	eather file	
Window Frames: Based on ar			
Glazing: light transmit		6	
	Reflectances		
1. Window frame: grey, reflectance = 35%			
2. Wall internal surface: offwhite plaster, reflectance = 70%			
3. Ceiling internal: white painted ceiling, reflectance = 80%			
4. Floor internal: Light grey, reflectance = 45%			
5. Wall external dark surface reflectance =	40%		
6. Wall external light surface reflectance =	60%		
7. Floor external: reflectance = 70%			
8. External Ground and Grass reflectance =	20%		
9. Winter Trees light transmittance = 65%			
10. Summer Trees light transmittance = 25	%		
Passing Criteria (BRE Recommendations) (50% of ti	me at 50% of space)	
Usage	Daylight Availability (lux)		
Kitchen	200		
Living/Dinning room/Study/Snug	150		
Combined Living/Kitchen and Studios 200			
Bedroom 100			
Reuslts	No. %		
Pass	34 100.00		
Fail	0 0.00		
Total assessed rooms	34	100.00	

Leatherhead Road (166) - With Summer Full Leaf Trees

House	Room Activity	DA Threshold (lux, 50% of the Daylight Hours for 50% of the Area)	DA (%)	Result
	Bedroom 1	100.00	100.00	Pass
	Bedroom 2	100.00	100.00	Pass
House 1	Bedroom 3	100.00	100.00	Pass
	KLD	200.00	61.61	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 2	Bedroom 3	100.00	100	Pass
	KLD	200.00	61.91	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 3	Bedroom 3	100.00	100	Pass
	KLD	200.00	38.41	Fail
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 4	Bedroom 3	100.00	100	Pass
	KLD	200.00	35.71	Fail
	Study/Snug	150.00	99.67	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 5	Bedroom 3	100.00	100	Pass
	KLD	200.00	32.43	Fail
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 6	Bedroom 3	100.00	100	Pass
	KLD	200.00	27.99	Fail
	Study/Snug	150.00	100.00	Pass
	Bedroom 1	100.00	76.92	Pass
House 7	Bedroom 2	100.00	100.00	Pass
House 7	Bedroom 3	100.00	100.00	Pass
	KLD	200.00	100.00	Pass

Assumptions:			
Working plane: 0.85 n	above floc	or	
Grid size: 0.2	5 m		
Working plane (AOI): 0.30 m	from interi	nal wall	
CIBSE 2016 London TRY Annua	al Hourly we	ather file	
Window Frames: Based on ar	chitectural o	drawings	
Glazing: light transmit	tance = 70%	6	
Reflectance	es		
1. Window frame: grey, reflectance = 35%	1. Window frame: grey, reflectance = 35%		
2. Wall internal surface: offwhite plaster, re	eflectance =	70%	
3. Ceiling internal: white painted ceiling, reflectance = 80%			
4. Floor internal: Light grey, reflectance = 45%			
5. Wall external dark surface reflectance = 40%			
6. Wall external light surface reflectance = 60%			
7. Floor external: reflectance = 70%			
8. External Ground and Grass reflectance = 20%			
9. Winter Trees light transmittance = 65%			
10. Summer Trees light transmittance = 25	%		
Passing Criteria (BRE Recommendations		•	
Usage	Daylight Availability (lux)		
Kitchen	200		
Living/Dinning room/Study/Snug	150		
Combined Living/Kitchen and Studios			
Bedroom 100			
Reuslts	No. %		
Pass	30	100.00	
Fail	4 11.76		
Total assessed rooms	34 100.00		

Leatherhead Road (166) - With Summer Full Leaf Trees - Assessed only Living/Dining area

House	Room Activity	DA Threshold (lux, 50% of the Daylight Hours for 50% of the Area)	DA (%)	Result
	Bedroom 1	100.00	100.00	Pass
	Bedroom 2	100.00	100.00	Pass
House 1	Bedroom 3	100.00	100.00	Pass
	KLD	200.00	60.42	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 2	Bedroom 3	100.00	100	Pass
	KLD	200.00	62.2	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 3	Bedroom 3	100.00	100	Pass
	LD	150.00	70.21	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 4	Bedroom 3	100.00	100	Pass
	LD	150.00	66.85	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 5	Bedroom 3	100.00	100	Pass
	LD	150.00	64.96	Pass
	Study/Snug	150.00	100	Pass
	Bedroom 1	100.00	100	Pass
	Bedroom 2	100.00	100	Pass
House 6	Bedroom 3	100.00	100	Pass
	LD	150.00	58.19	Pass
	Study/Snug	150.00	100.00	Pass
	Bedroom 1	100.00	76.22	Pass
House 7	Bedroom 2	100.00	100.00	Pass
House /	Bedroom 3	100.00	100.00	Pass
	KLD	200.00	100.00	Pass

Assumptions:			
Working plane: 0.85 m	n above floo	or	
Grid size: 0.2			
Working plane (AOI): 0.30 m	from inter	nal wall	
CIBSE 2016 London TRY Annua			
Window Frames: Based on ar	chitectural	drawings	
Glazing: light transmit			
Reflectances			
1. Window frame: grey, reflectance = 35%	1. Window frame: grey, reflectance = 35%		
2. Wall internal surface: offwhite plaster, re	2. Wall internal surface: offwhite plaster, reflectance = 70%		
3. Ceiling internal: white painted ceiling, reflectance = 80%			
4. Floor internal: Light grey, reflectance = 45%			
5. Wall external dark surface reflectance =	40%		
6. Wall external light surface reflectance =	60%		
7. Floor external: reflectance = 70%			
8. External Ground and Grass reflectance = 20%			
9. Winter Trees light transmittance = 65%			
10. Summer Trees light transmittance = 25			
Passing Criteria (BRE Recommendations		• •	
Usage	Daylight Availability (lux)		
Kitchen	200		
Living/Dinning room/Study/Snug	150		
-	Combined Living/Kitchen and Studios 200		
Bedroom 100			
Reuslts No. %			
Pass	34 100.00		
Fail	0 0.00		
Total assessed rooms 34 100.00		100.00	