















Sunlight Hours on Ground Study Existing Buildings Barnes House Existing Buildings March 21st

Start Time: Mar 21 3:00 am, End Time: Mar 21 22:00 pm, Solar Sample Interval: 1 min Solar Angle Cutoff: 10.0 deg, Working Plane: 10.0 mm Sunlight Sample: 1 min, Grid Size: 200.0 mm

Area 1 West R1/16

Open space area	a:	62.35 Sq m	
Area between (0.00 and 1.00 mins:	28.44 Sq m	-45.61%
Area between 1	1.00 and 20.00 mins:	1.68 Sq m	-2.69%
Area between 2	0.00 and 40.00 mins:	1.21 Sq m	-1.95%
Area between 4	0.00 and 60.00 mins:	1.44 Sq m	-2.32%
Area between 6	0.00 and 80.00 mins:	4.67 Sq m	-7.49%
Area between 8	0.00 and 100.00 mins:	3.64 Sq m	-5.84%
Area between 10	00.00 and 120.00 mins:	14.69 Sq m	-23.56%
Area over 120.00	0 mins:	6.58 Sq m	-10.55%

Area 2 Main R2/15

Open space ar	ea:	196.97 Sq m	
Area between	0.00 and 1.00 mins:	53.76 Sq m	-27.29%
Area between	1.00 and 20.00 mins:	10.04 Sq m	-5.10%
Area between	20.00 and 40.00 mins:	13.67 Sq m	-6.94%
Area between	40.00 and 60.00 mins:	27.61 Sq m	-14.02%
Area between	60.00 and 80.00 mins:	34.61 Sq m	-17.57%
Area between	80.00 and 100.00 mins:	17.40 Sq m	-8.83%
Area between	100.00 and 120.00 mins:	29.96 Sq m	-15.21%
Area over 120.	00 mins:	9.93 Sq m	-5.04%

Area 3 East R3/17

Open space area:	44.31 Sq m	
Area between 0.00 and 1.00 mins:	0.79 Sq m	-1.78%
Area between 1.00 and 20.00 mins	: 0.37 Sq m	-0.85%
Area between 20.00 and 40.00 mins	s: 0.53 Sq m	-1.21%
Area between 40.00 and 60.00 mins	s: 0.55 Sq m	-1.25%
Area between 60.00 and 80.00 mins	s: 0.50 Sq m	-1.13%
Area between 80.00 and 100.00 min	s: 0.48 Sq m	-1.08%
Area between 100.00 and 120.00 mir	ns: 0.47 Sq m	-1.06%
Area over 120.00 mins:	40.61 Sq m	-91.66%

Sunlight Hours on Ground Study Proposed Scheme 21/01/21 Barnes House Proposed Scenario March 21st

Start Time: Mar 21 3:00 am, End Time: Mar 21 22:00 pm, Solar Sample Interval: 1 min Solar Angle Cutoff: 10.0 deg, Working Plane: 10.0 mm Sunlight Sample: 1 min, Grid Size: 200.0 mm

Area 1 West R1/16

Open space area:	62.35 Sq m	671.15 Sq ft
Area between 0.00 and 1.00 mins:	28.44 Sq m	-45.61%
Area between 1.00 and 20.00 mins:	1.68 Sq m	-2.69%
Area between 20.00 and 40.00 mins:	1.21 Sq m	-1.95%
Area between 40.00 and 60.00 mins:	1.44 Sq m	-2.32%
Area between 60.00 and 80.00 mins:	4.67 Sq m	-7.49%
Area between 80.00 and 100.00 mins:	3.64 Sq m	-5.84%
Area between 100.00 and 120.00 mins:	14.69 Sq m	-23.56%
Area over 120.00 mins:	6.58 Sq m	-10.55%

Area 2 Main R2/15

Open space area:	196.97 Sq m	2120.18 Sq ft
Area between 0.00 and 1.00 mins:	53.76 Sq m	-27.29%
Area between 1.00 and 20.00 mins:	10.04 Sq m	-5.10%
Area between 20.00 and 40.00 mins:	13.67 Sq m	-6.94%
Area between 40.00 and 60.00 mins:	27.61 Sq m	-14.02%
Area between 60.00 and 80.00 mins:	34.61 Sq m	-17.57%
Area between 80.00 and 100.00 mins:	17.40 Sq m	-8.83%
Area between 100.00 and 120.00 mins:	29.96 Sq m	-15.21%
Area over 120.00 mins:	9.93 Sq m	-5.04%

Area 3 East R3/17

Open space area:	44.31 Sq m	476.92 Sq ft
Area between 0.00 and 1.00 mins:	0.79 Sq m	-1.78%
Area between 1.00 and 20.00 mins:	0.44 Sq m	-0.99%
Area between 20.00 and 40.00 mins:	0.64 Sq m	-1.44%
Area between 40.00 and 60.00 mins:	0.49 Sq m	-1.10%
Area between 60.00 and 80.00 mins:	0.40 Sq m	-0.90%
Area between 80.00 and 100.00 mins:	0.56 Sq m	-1.27%
Area between 100.00 and 120.00 mins:	0.50 Sq m	-1.13%
Area over 120.00 mins:	40.50 Sq m	-91.40%

Sunlight Hours on Ground Study Proposed Scheme 22/01/21 Grand Union Walk Proposed Scenario March 21st

Start Time: Mar 21 6:00 am, End Time: Mar 21 22:00 pm, Solar Sample Interval: 1 min	
Solar Angle Cutoff: 10.0 deg, Working Plane: 10.0 mm	
Sunlight Sample: 1 min, Grid Size: 200.0 mm	

Start Time: Mar 21 6:00 am, End Time: Mar 21 22:00 pm, Solar Sample Interval: 1 min Solar Angle Cutoff: 10.0 deg, Working Plane: 10.0 mm Sunlight Sample: 1 min, Grid Size: 200.0 mm

TIME IN SUN ANALYSIS - R1/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	4.91 Sq m 0.00 Sq m	% % % % % %	TIME IN SUN ANALYSIS - R1/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	4.91 Sq m 0.00 Sq m 4.91 Sq m	52.84 Sq ft 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% -100.00%
Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	15.78 Sq m 2.66 Sq m -16.84% 0.42 Sq m -2.65% 0.09 Sq m -0.56 Sq m -3.58% 0.13 Sq m -0.81% 0.48 Sq m -3.07% 0.41 Sq m -2.62% 11.03 Sq m -69.89%	% % % % % %	TIME IN SUN ANALYSIS - R2/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	15.78 Sq m 2.66 Sq m 0.42 Sq m 0.09 Sq m 0.56 Sq m 0.13 Sq m 0.48 Sq m 0.41 Sq m 11.03 Sq m	169.81 Sq ft -16.84% -2.65% -0.54% -3.58% -0.81% -3.07% -2.62% -69.89%
TIME IN SUN ANALYSIS - R3/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.20 Sq m 0.08 Sq m 0.03 Sq m 0.07 Sq m 0.14 Sq m 0.56 Sq m 0.82 Sq m 5.16 Sq m -71.669	% % % % % %	TIME IN SUN ANALYSIS - R3/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.20 Sq m 0.08 Sq m 0.03 Sq m 0.07 Sq m 0.14 Sq m 0.33 Sq m 0.56 Sq m 0.82 Sq m 5.16 Sq m	77.46 Sq ft -1.15% -0.48% -1.03% -2.01% -4.54% -7.78% -11.35% -71.66%
TIME IN SUN ANALYSIS - R4/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	22.60 Sq m 3.02 Sq m -13.36% 1.01 Sq m -4.47% 0.55 Sq m -2.44% 0.89 Sq m -3.96% 0.88 Sq m -3.89% 1.21 Sq m -5.34% 0.88 Sq m -3.91% 14.16 Sq m -62.63%	% % % % % %	TIME IN SUN ANALYSIS - R4/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	22.60 Sq m 3.10 Sq m 1.03 Sq m 0.65 Sq m 0.87 Sq m 0.97 Sq m 1.27 Sq m 0.95 Sq m 13.77 Sq m	243.31 Sq ft -13.73% -4.56% -2.86% -3.84% -4.31% -5.60% -4.20% -60.91%
TIME IN SUN ANALYSIS - R5/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	6.96 Sq m 0.38 Sq m 0.08 Sq m 0.11 Sq m 0.27 Sq m 0.49 Sq m 0.02 Sq m 5.43 Sq m -78.039	% % % % % %	TIME IN SUN ANALYSIS - R5/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	6.96 Sq m 0.38 Sq m 0.08 Sq m 0.18 Sq m 0.20 Sq m 0.29 Sq m 0.47 Sq m 0.07 Sq m 5.29 Sq m	74.90 Sq ft -5.45% -1.17% -2.58% -2.80% -4.20% -6.70% -1.00% -76.09%
TIME IN SUN ANALYSIS - R6/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	22.44 Sq m 3.32 Sq m -14.819 1.28 Sq m -5.729 0.80 Sq m -3.589 1.01 Sq m -4.489 1.30 Sq m -5.819 0.85 Sq m -3.809 1.09 Sq m -4.879 12.77 Sq m -56.929	% % % % % %	TIME IN SUN ANALYSIS - R6/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	22.44 Sq m 3.32 Sq m 1.30 Sq m 0.87 Sq m 1.17 Sq m 1.65 Sq m 0.84 Sq m 0.93 Sq m 12.37 Sq m	241.54 Sq ft -14.81% -5.77% -3.89% -5.21% -7.35% -3.72% -4.14% -55.12%
TIME IN SUN ANALYSIS - R7/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.21 Sq m 0.00 Sq m	% % % % % %	TIME IN SUN ANALYSIS - R7/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.21 Sq m 0.00 Sq m 0.00 Sq m 0.00 Sq m 0.00 Sq m 0.00 Sq m 0.00 Sq m 0.14 Sq m 7.07 Sq m	77.58 Sq ft 0.00% 0.00% 0.00% 0.00% 0.00% -1.91% -98.09%
TIME IN SUN ANALYSIS - R8/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins:	23.98 Sq m 3.54 Sq m -14.75% 0.94 Sq m -3.93%		TIME IN SUN ANALYSIS - R8/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins:	23.98 Sq m 3.54 Sq m 1.05 Sq m	258.11 Sq ft -14.75% -4.37%

Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	1.17 Sq m -4.89% 0.76 Sq m -3.18% 1.02 Sq m -4.27% 0.71 Sq m -2.95% 0.84 Sq m -3.50% 14.99 Sq m -62.52%	% % % %	Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	1.52 Sq m 1.16 Sq m 1.24 Sq m 1.02 Sq m 0.99 Sq m 13.45 Sq m	-6.32% -4.86% -5.19% -4.27% -4.13% -56.11%
Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.04 Sq m 0.00 Sq m	% % % % % %	Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.04 Sq m 0.00 Sq m 0.00 Sq m 0.00 Sq m 0.00 Sq m 0.00 Sq m 0.30 Sq m 0.33 Sq m 6.41 Sq m	75.76 Sq ft 0.00% 0.00% 0.00% 0.00% 0.00% -4.27% -4.63% -91.11%
TIME IN SUN ANALYSIS - R10/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	24.65 Sq m 2.89 Sq m -11.719 0.81 Sq m -3.309 0.46 Sq m -1.889 0.98 Sq m -3.979 0.82 Sq m -3.339 0.99 Sq m -4.009 0.77 Sq m -3.149 16.93 Sq m -68.689	% % % % % %	TIME IN SUN ANALYSIS - R10/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	24.65 Sq m 2.89 Sq m 0.81 Sq m 0.46 Sq m 1.18 Sq m 1.08 Sq m 1.23 Sq m 0.92 Sq m 16.08 Sq m	265.33 Sq ft -11.71% -3.30% -1.88% -4.80% -4.38% -4.98% -3.71% -65.24%
TIME IN SUN ANALYSIS - R11/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	5.94 Sq m 0.20 Sq m -3.359 0.07 Sq m -1.229 0.07 Sq m -1.219 0.04 Sq m -0.619 0.23 Sq m -3.839 0.41 Sq m -6.959 0.37 Sq m -76.589	% % % % % %	TIME IN SUN ANALYSIS - R11/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	5.94 Sq m 0.24 Sq m 0.11 Sq m 0.15 Sq m 0.07 Sq m 0.15 Sq m 0.51 Sq m 0.67 Sq m 4.04 Sq m	63.91 Sq ft -3.98% -1.83% -2.58% -1.22% -2.57% -8.51% -11.21% -68.09%
TIME IN SUN ANALYSIS - R12/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	22.74 Sq m 3.24 Sq m -14.249 1.46 Sq m -6.439 0.98 Sq m -4.309 0.94 Sq m -4.139 1.12 Sq m -4.939 0.77 Sq m -3.399 1.10 Sq m -4.829 13.13 Sq m -57.769	% % % % % %	TIME IN SUN ANALYSIS - R12/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	22.74 Sq m 3.24 Sq m 1.46 Sq m 0.98 Sq m 0.96 Sq m 1.12 Sq m 0.80 Sq m 1.43 Sq m 12.75 Sq m	244.73 Sq ft -14.24% -6.43% -4.30% -4.21% -4.93% -3.52% -6.31% -56.06%
TIME IN SUN ANALYSIS - R13/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.10 Sq m 0.00 Sq m	% % % % % %	TIME IN SUN ANALYSIS - R13/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.10 Sq m 0.00 Sq m 7.10 Sq m	76.43 Sq ft 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% -100.00%
TIME IN SUN ANALYSIS - R14/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	24.46 Sq m 2.88 Sq m -11.769 0.80 Sq m -3.269 0.41 Sq m -1.699 0.93 Sq m -3.799 0.79 Sq m -3.249 0.97 Sq m -3.969 0.84 Sq m -3.459 16.84 Sq m -68.859	% % % % % %	TIME IN SUN ANALYSIS - R14/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	24.46 Sq m 2.88 Sq m 0.80 Sq m 0.41 Sq m 0.93 Sq m 0.79 Sq m 0.97 Sq m 0.84 Sq m 16.84 Sq m	263.24 Sq ft -11.76% -3.26% -1.69% -3.79% -3.24% -3.96% -3.45% -68.85%
TIME IN SUN ANALYSIS - R15/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.56 Sq m 0.00 Sq m	% % % % % %	TIME IN SUN ANALYSIS - R15/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.56 Sq m 0.00 Sq m 7.56 Sq m	81.34 Sq ft 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% -100.00%
TIME IN SUN ANALYSIS - R16/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	24.91 Sq m 2.00 Sq m -8.039 0.38 Sq m -1.549 0.28 Sq m -1.139 0.45 Sq m -1.799 0.75 Sq m -3.029 1.17 Sq m -4.689 1.07 Sq m -75.529	% % % % % %	TIME IN SUN ANALYSIS - R16/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	24.91 Sq m 2.00 Sq m 0.38 Sq m 0.28 Sq m 0.45 Sq m 0.75 Sq m 1.17 Sq m 1.07 Sq m 18.81 Sq m	268.13 Sq ft -8.03% -1.54% -1.13% -1.79% -3.02% -4.68% -4.28% -75.52%

TIME IN SUN ANALYSIS - R17/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.10 Sq m 0.00 Sq m 0.00 Sq m 0.00 Sq m 0.009 Sq m 0.09 Sq m 0.07 Sq m 0.08 Sq m 0.48 Sq m 0.48 Sq m 6.34 Sq m -89.319	% % % % % %	TIME IN SUN ANALYSIS - R17/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.10 Sq m 0.00 Sq m 0.00 Sq m 0.03 Sq m 0.09 Sq m 0.15 Sq m 0.11 Sq m 0.46 Sq m 6.26 Sq m	76.47 Sq ft 0.00% 0.00% -0.45% -1.31% -2.06% -1.59% -6.43% -88.16%
Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	22.84 Sq m 3.05 Sq m -13.369 0.77 Sq m -3.399 0.31 Sq m -1.379 0.84 Sq m -3.709 0.86 Sq m -3.789 0.83 Sq m -3.649 1.33 Sq m -5.839 14.83 Sq m -64.949	% % % % % %	TIME IN SUN ANALYSIS - R18/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	22.84 Sq m 3.05 Sq m 0.77 Sq m 0.31 Sq m 0.84 Sq m 0.86 Sq m 0.83 Sq m 1.33 Sq m 14.83 Sq m	245.81 Sq ft -13.36% -3.39% -1.37% -3.70% -3.78% -3.64% -5.83% -64.94%
TIME IN SUN ANALYSIS - R19/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.18 Sq m 0.00 Sq m 0.00 Sq m 0.00 Sq m 0.00 Sq m 0.02 Sq m 0.04 Sq m 0.09 Sq m 0.09 Sq m 0.1.23% 0.09 Sq m 0.19 Sq m 6.74 Sq m -94.00%	% % % % % %	TIME IN SUN ANALYSIS - R19/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.18 Sq m 0.00 Sq m 0.00 Sq m 0.02 Sq m 0.07 Sq m 0.07 Sq m 0.08 Sq m 0.30 Sq m 6.63 Sq m	77.23 Sq ft 0.00% 0.00% -0.33% -0.93% -1.01% -1.05% -4.23% -92.45%
Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	23.28 Sq m 3.13 Sq m -13.44% 0.83 Sq m -3.58% 0.38 Sq m -1.64% 0.98 Sq m -4.21% 0.73 Sq m -3.14% 0.98 Sq m -4.21% 1.13 Sq m -4.84% 15.12 Sq m -64.94%	% % % % % %	Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	23.28 Sq m 3.13 Sq m 0.83 Sq m 0.38 Sq m 0.98 Sq m 0.73 Sq m 0.98 Sq m 1.13 Sq m 15.12 Sq m	250.60 Sq ft -13.44% -3.58% -1.64% -4.21% -3.14% -4.21% -4.84% -64.94%
TIME IN SUN ANALYSIS - R21/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.09 Sq m 0.00 Sq m 0.00 Sq m 0.00% 7.09 Sq m 0.00%	% % % % % %	TIME IN SUN ANALYSIS - R21/13 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	7.09 Sq m 0.00 Sq m 7.09 Sq m	76.31 Sq ft 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% -100.00%
TIME IN SUN ANALYSIS - R22/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	26.49 Sq m 3.54 Sq m -13.35% 0.70 Sq m -2.65% 0.59 Sq m -2.24% 0.91 Sq m -3.43% 0.92 Sq m -3.45% 0.83 Sq m -3.13% 0.92 Sq m -3.49% 18.08 Sq m -68.25%	% % % % % %	TIME IN SUN ANALYSIS - R22/12 Open space area: Area between 0.00 and 1.00 mins: Area between 1.00 and 20.00 mins: Area between 20.00 and 40.00 mins: Area between 40.00 and 60.00 mins: Area between 60.00 and 80.00 mins: Area between 80.00 and 100.00 mins: Area between 100.00 and 120.00 mins: Area over 120.00 mins:	26.49 Sq m 3.54 Sq m 0.70 Sq m 0.59 Sq m 0.91 Sq m 0.92 Sq m 0.83 Sq m 0.92 Sq m 18.08 Sq m	285.15 Sq ft -13.35% -2.65% -2.24% -3.43% -3.45% -3.13% -3.49% -68.25%