



Lighting Calculation Study

Our global brands are

PHILIPS interact

281 Hillmount Road, Markham, Ontario, Canada, L6C 2S3
Office: 905-201-4944

DISCLAIMER: Calculations have been performed according to IESNA & CIE standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

Project name : Barrie Subdivision - Loon Lands

Prepared For : Pat Shirbon / Cornel Campbell @ MHBC

Filename: Barrie Subdivision - Loon Lands - Jan 31-2022.AGI

By : Linda Zimbalatti

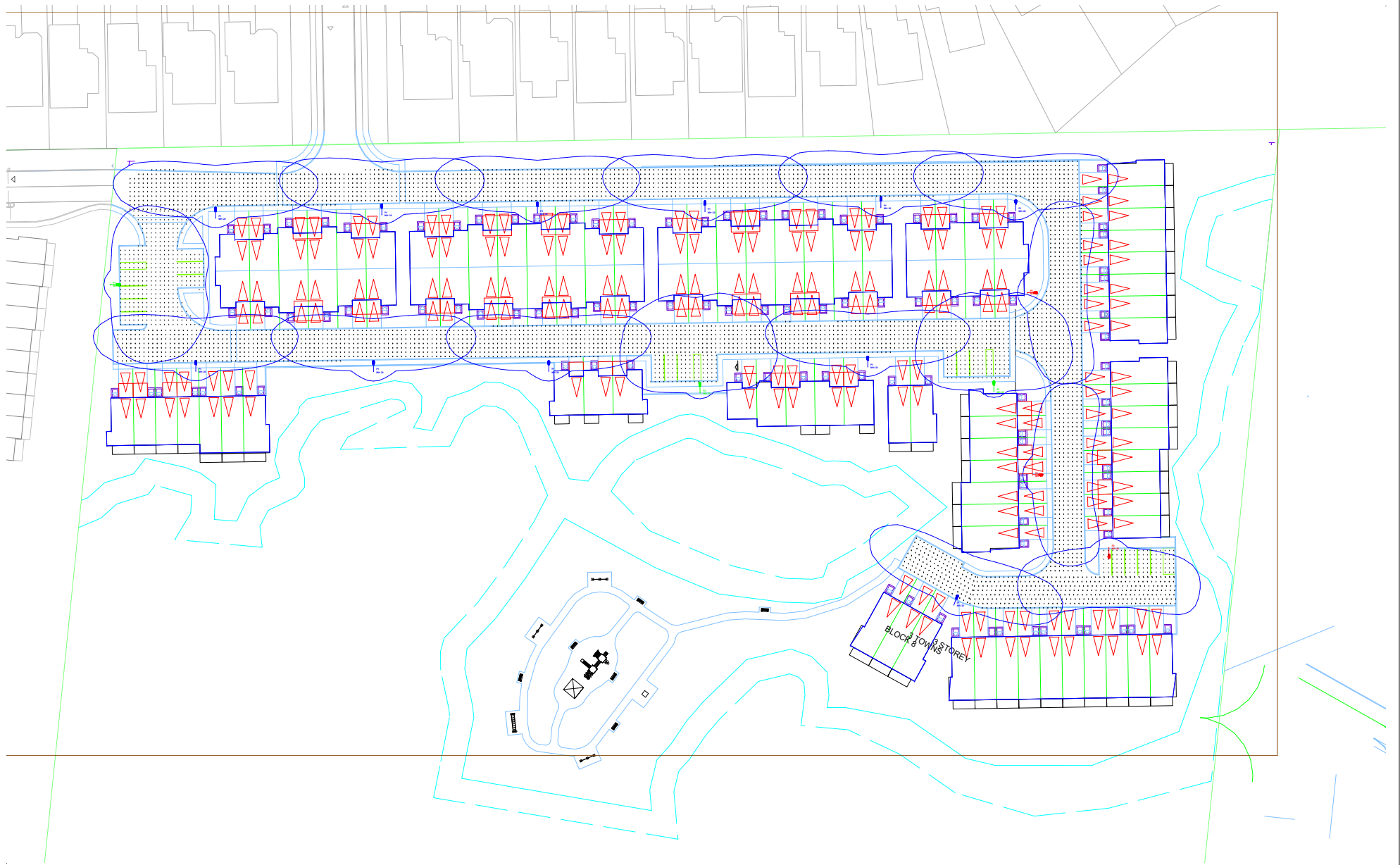
Units: Feet

Date: 2022-02-03

AGi32® Version 19.15.0

Total Time (Hrs.): 1.1

Page 1 of 9



281 Hillmount Road, Markham, Ontario, Canada, L6C 2S3
Office: 905-201-4944

DISCLAIMER: Calculations have been performed according to IESNA & CIE standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

Project name : Barrie Subdivision - Loon Lands

Prepared For : Pat Shirbon / Cornel Campbell @ MHBC

Filename: Barrie Subdivision - Loon Lands - Jan 31-2022.AGI

By : Linda Zimbalatti

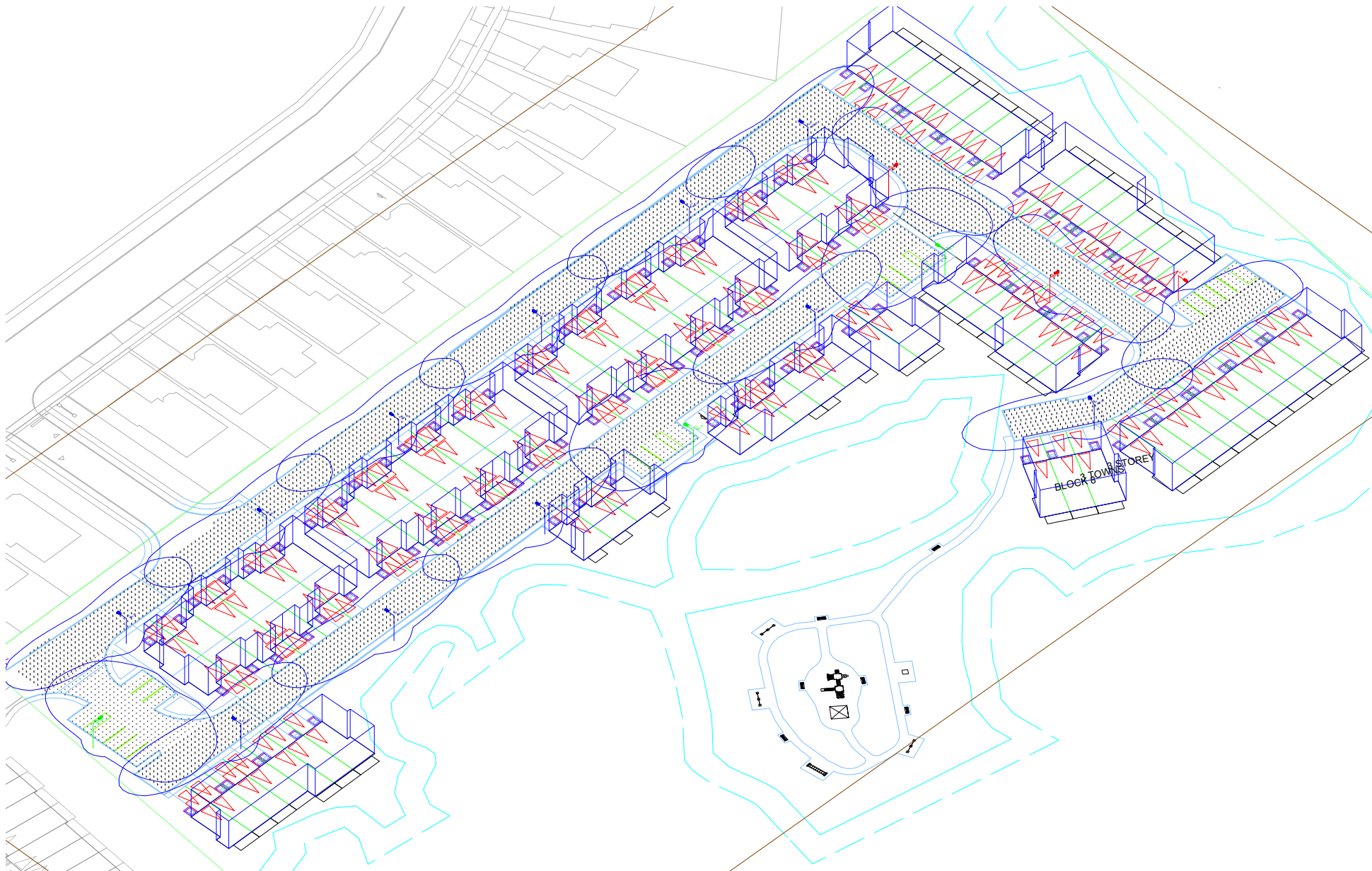
Units: Feet

Date: 2022-02-03

AGI32® Version 19.15.0

Total Time (Hrs.): 1.1

Page 2 of 9



signify

281 Hillmount Road, Markham, Ontario, Canada, L6C 2S3
Office: 905-201-4944

DISCLAIMER: Calculations have been performed according to IESNA & CIE standards and goodpractice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

Project name : Barrie Subdivision - Loon Lands

Prepared For : Pat Shirbon / Cornel Campbell @ MHBC

Filename: Barrie Subdivision - Loon Lands - Jan 31-2022.AGI

By : Linda Zimbalatti

Units: Feet

Date:2022-02-03

AGI32® Version 19.15.0

Total Time (Hrs.): 1.1

Page 3 of 9

Results summary

Luminaire Schedule

Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Lum. Lumens	(MANUFAC)	BUG Rating	Arm
	11	P1	SINGLE	0.850	RFS-25W12LED3K-G2-R2M-HS	24.9	2404	Lumec by Signify	B0-U0-G1	6.5
	3	P2	SINGLE	0.850	RFS-25W12LED3K-G2-R3M-HS	24.9	2303	Lumec by Signify	B0-U0-G1	6.5
	3	P3	SINGLE	0.850	RFS-25W12LED3K-G2-4-HS	24.9	2425	Lumec by Signify	B0-U0-G1	6.5

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING LOT 1	Illuminance	Lux	4.02	10.0	1.2	3.35	8.33
PARKING LOT 2	Illuminance	Lux	6.47	10.0	2.8	2.31	3.57
PARKING LOT 3	Illuminance	Lux	6.41	10.3	2.9	2.21	3.55
PARKING LOT 4	Illuminance	Lux	5.86	16.1	0.5	11.72	32.20
STREET 1	Illuminance	Lux	5.81	16.5	1.7	3.42	9.71
STREET 2	Illuminance	Lux	5.20	16.5	1.6	3.25	10.31
STREET 3	Illuminance	Lux	4.46	15.3	1.6	2.79	9.56
STREET 4	Illuminance	Lux	5.35	16.2	1.7	3.15	9.53

Luminaire Location Summary

LumNo	Label	X	Y	Z	Orient	Tilt
1	P1	2320.75	1697	20	90	0
2	P1	2599.25	1536.5	20	68.905	0
3	P1	2091.726	1802.445	20	90	0
4	P1	2205.926	1804.695	20	90	0
5	P1	2312.876	1805.945	20	90	0
6	P1	2428.076	1806.945	20	90	0
7	P1	2549.026	1809.695	20	90	0
8	P1	2641.726	1807.695	20	90	0
9	P1	2539.977	1700.174	20	90	0
10	P1	2200.25	1697	20	90	0





281 Hillmount Road, Markham, Ontario, Canada, L6C 2S3
Office: 905-201-4944

DISCLAIMER: Calculations have been performed according to IESNA & CIE standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

Project name : Barrie Subdivision - Loon Lands

Prepared For : Pat Shirbon / Cornel Campbell @ MHBC

Filename: Barrie Subdivision - Loon Lands - Jan 31-2022.AGI

By : Linda Zimbalatti

Units: Feet

Date: 2022-02-03

AGI32® Version 19.15.0

Total Time (Hrs.): 1.1

Page 4 of 9

Results summary

Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	Tilt
11	P1	2078.038	1697.113	20	90	0
12	P2	2649.5	1750.892	20	0	0
13	P2	2653.183	1625.817	20	0	0
14	P2	2705.75	1575.679	20	270	0
15	P3	2424.75	1682.25	20	92.353	0
16	P3	2019.25	1756.5	20	0	0
17	P3	2626.672	1683.175	20	90	0



281 Hillmount Road, Markham, Ontario, Canada, L6C 2S3
Office: 905-201-4944

DISCLAIMER: Calculations have been performed according to IESNA & CIE standards and goodpractice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

Project name : Barrie Subdivision - Loon Lands

Prepared For : Pat Shirbon / Cornel Campbell @ MHBC

Filename: Barrie Subdivision - Loon Lands - Jan 31-2022.AGI

By : Linda Zimbalatti

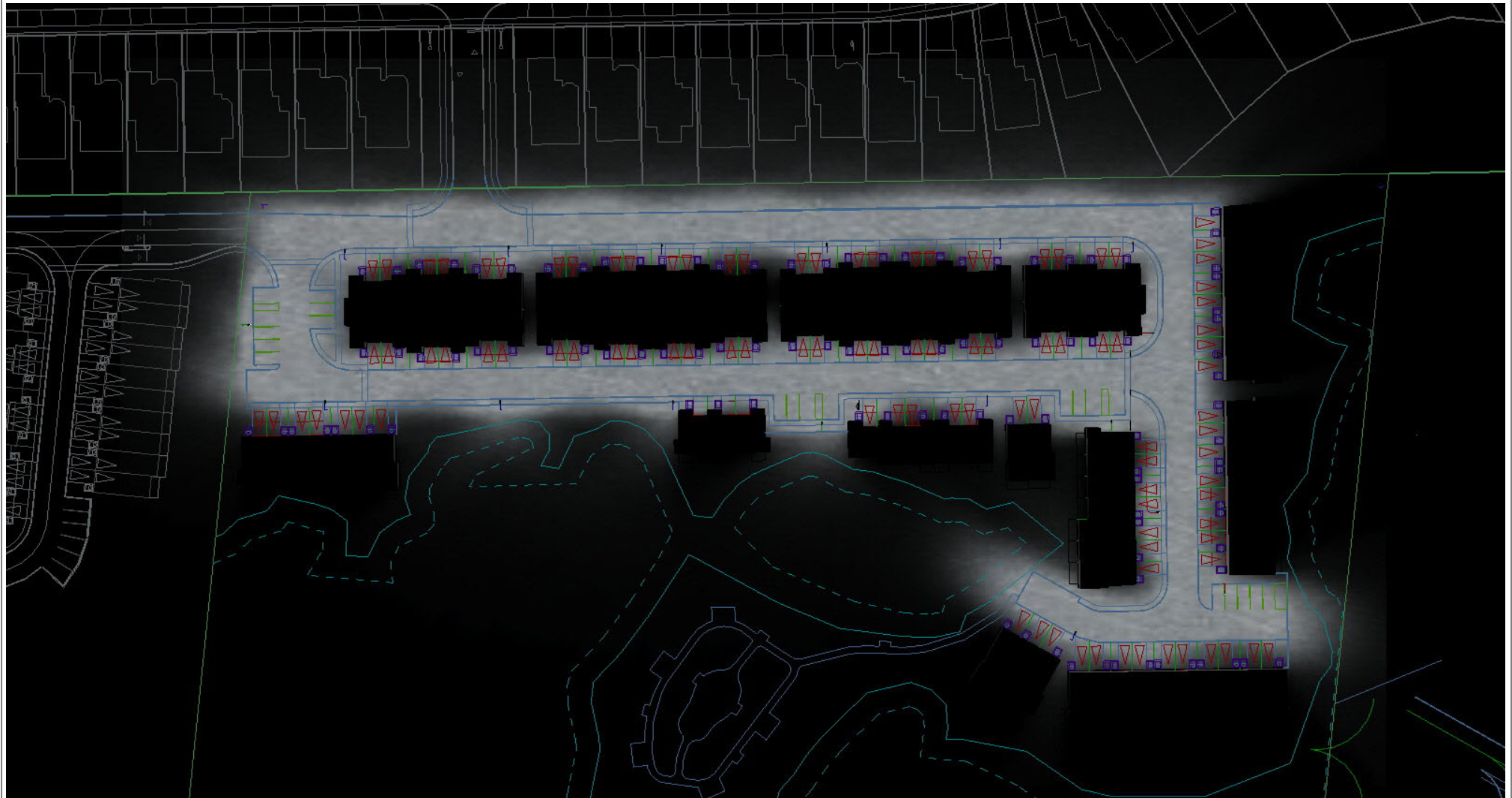
Units: Feet

Date:2022-02-03

AGi32® Version 19.15.0

Total Time (Hrs.): 1.1

Page 5 of 9



281 Hillmount Road, Markham, Ontario, Canada, L6C 2S3
Office: 905-201-4944

DISCLAIMER: Calculations have been performed according to IESNA & CIE standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

Project name : Barrie Subdivision - Loon Lands

Prepared For : Pat Shirbon / Cornel Campbell @ MHBC

Filename: Barrie Subdivision - Loon Lands - Jan 31-2022.AGI

By : Linda Zimbalatti

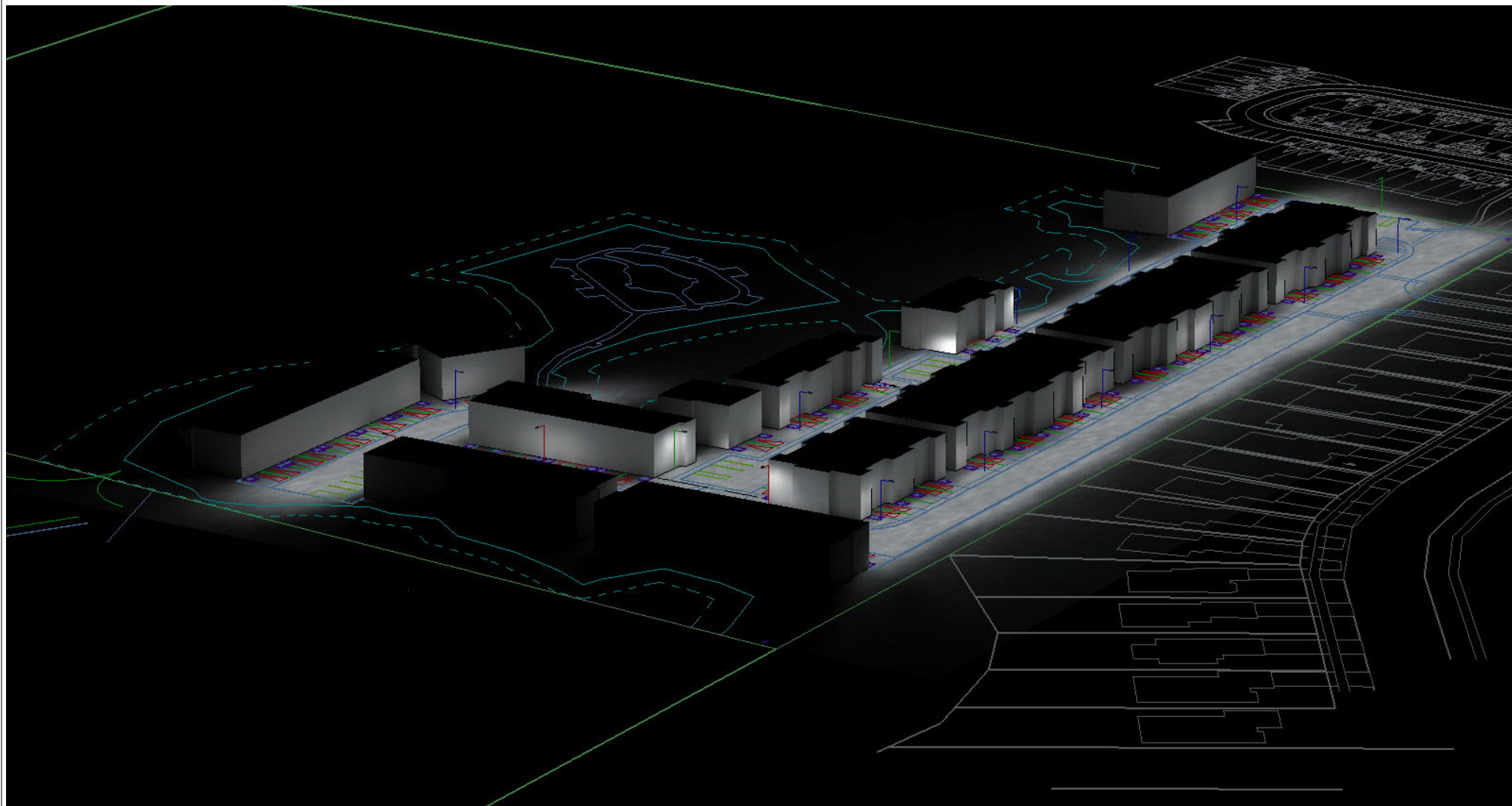
Units: Feet

Date: 2022-02-03

AGi32® Version 19.15.0

Total Time (Hrs.): 1.1

Page 6 of 9



281 Hillmount Road, Markham, Ontario, Canada, L6C 2S3
Office: 905-201-4944

DISCLAIMER: Calculations have been performed according to IESNA & CIE standards and goodpractice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

Project name : Barrie Subdivision - Loon Lands

Prepared For : Pat Shirbon / Cornel Campbell @ MHBC

Filename: Barrie Subdivision - Loon Lands - Jan 31-2022.AGI

By : Linda Zimbalatti

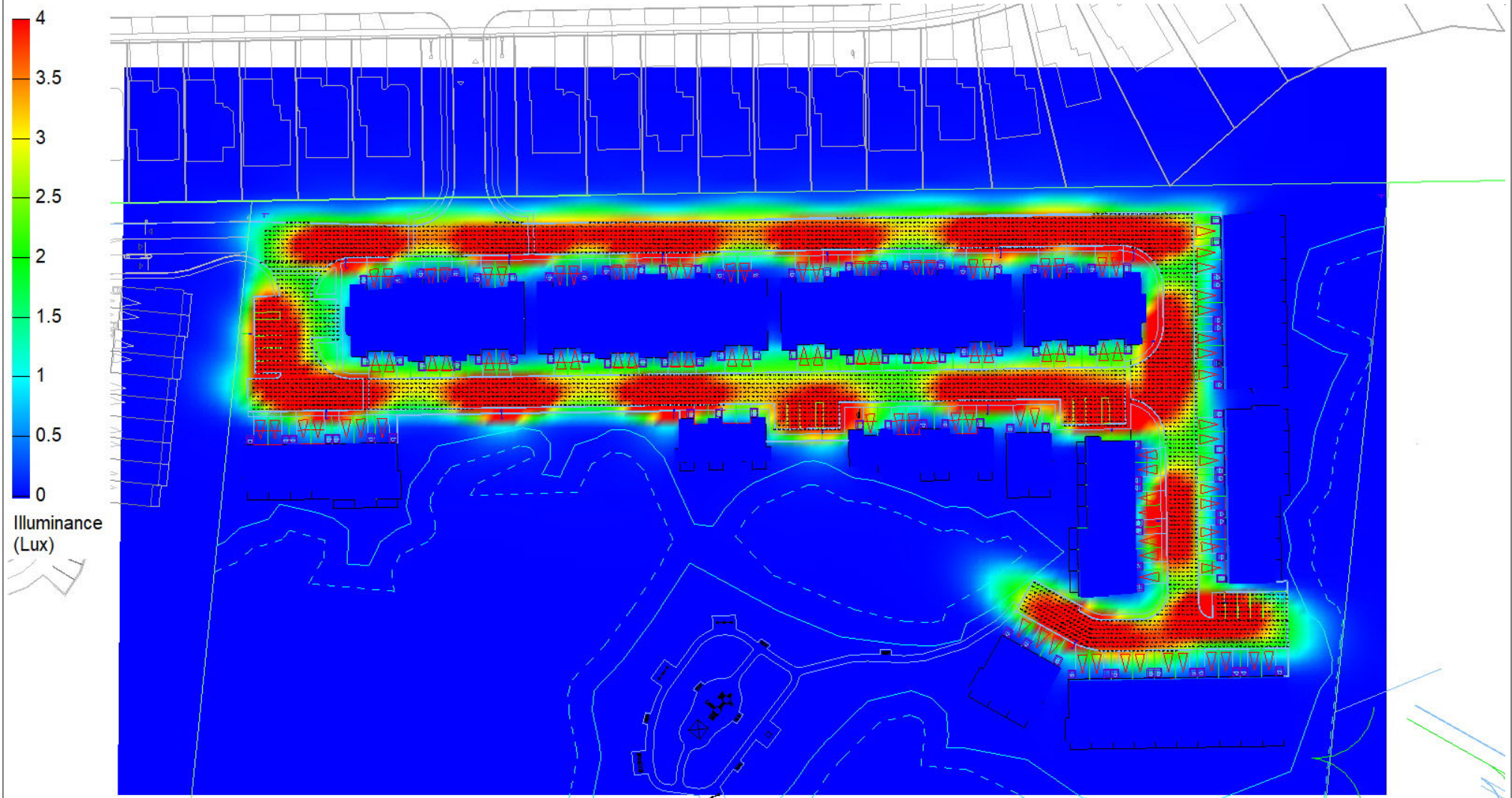
Units: Feet

Date:2022-02-03

AGi32® Version 19.15.0

Total Time (Hrs.): 1.1

Page 7 of 9



©signify

281 Hillmount Road, Markham, Ontario, Canada, L6C 2S3
Office: 905-201-4944

DISCLAIMER: Calculations have been performed according to IESNA & CIE standards and goodpractice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

Project name : Barrie Subdivision - Loon Lands

Prepared For : Pat Shirbon / Cornel Campbell @ MHBC

Filename: Barrie Subdivision - Loon Lands - Jan 31-2022.AGI

By : Linda Zimbalatti

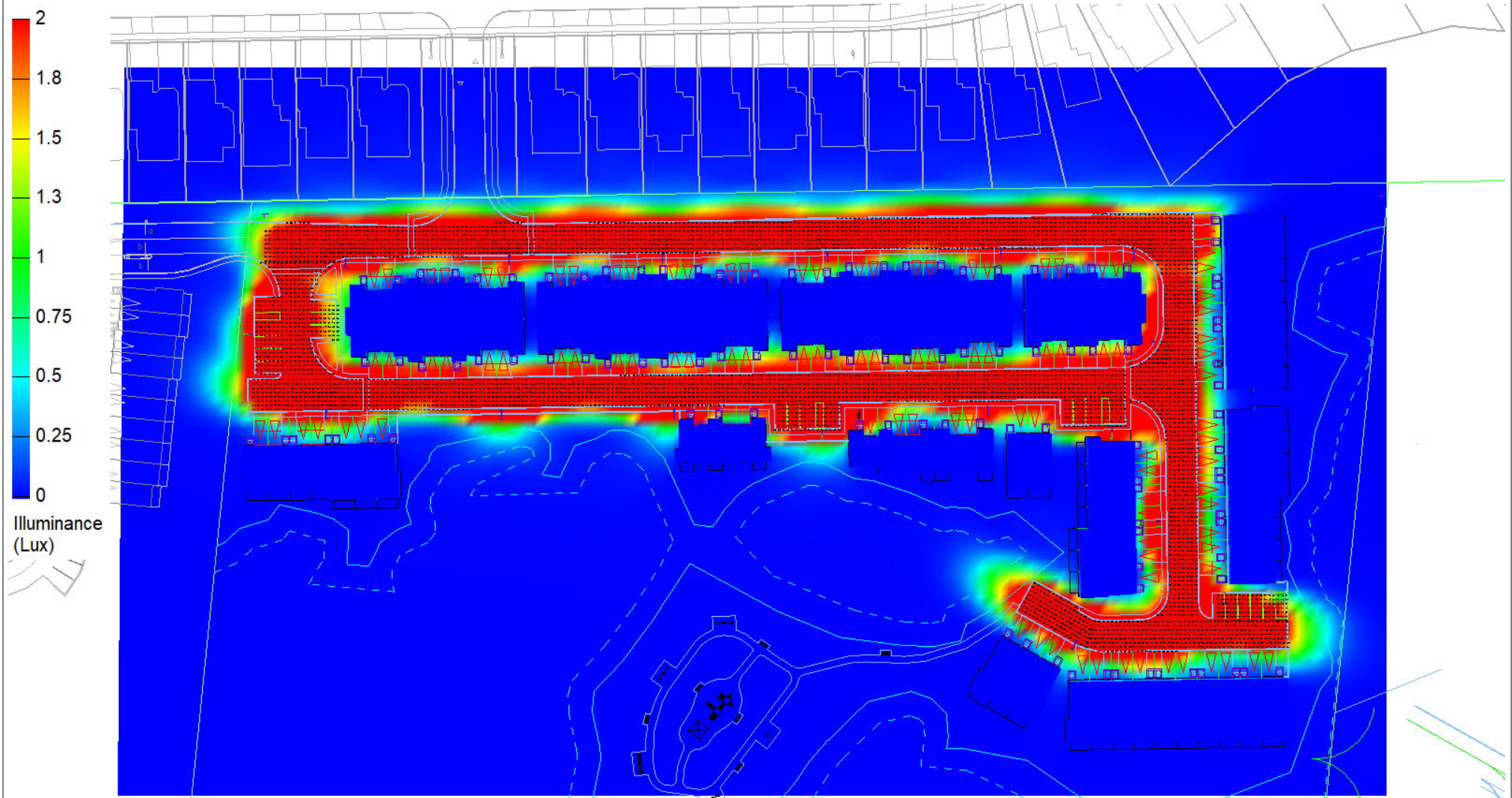
Units: Feet

Date: 2022-02-03

AGI32® Version 19.15.0

Total Time (Hrs.): 1.1

Page 8 of 9



©signify

281 Hillmount Road, Markham, Ontario, Canada, L6C 2S3
Office: 905-201-4944

DISCLAIMER: Calculations have been performed according to IESNA & CIE standards and goodpractice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

Project name : Barrie Subdivision - Loon Lands

Prepared For : Pat Shirbon / Cornel Campbell @ MHBC

Filename: Barrie Subdivision - Loon Lands - Jan 31-2022.AGI

By : Linda Zimbalatti

Units: Feet

Date: 2022-02-03

AGI32® Version 19.15.0

Total Time (Hrs.): 1.1

Page 9 of 9