



# Lighting Calculation Study

Our global brands are

**PHILIPS** interact

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

Project name : 777 Huronia Road - Barrie

Prepared For : Peter Vidovic / Marco Ciraco @ Vaughn Electrical

Filename: 777 Huronia Road - Barrie - Site - No 22-2019.AGI

By : Linda Zimbalatti

Date:2019-11-22

AGi32 Version 19.9.2

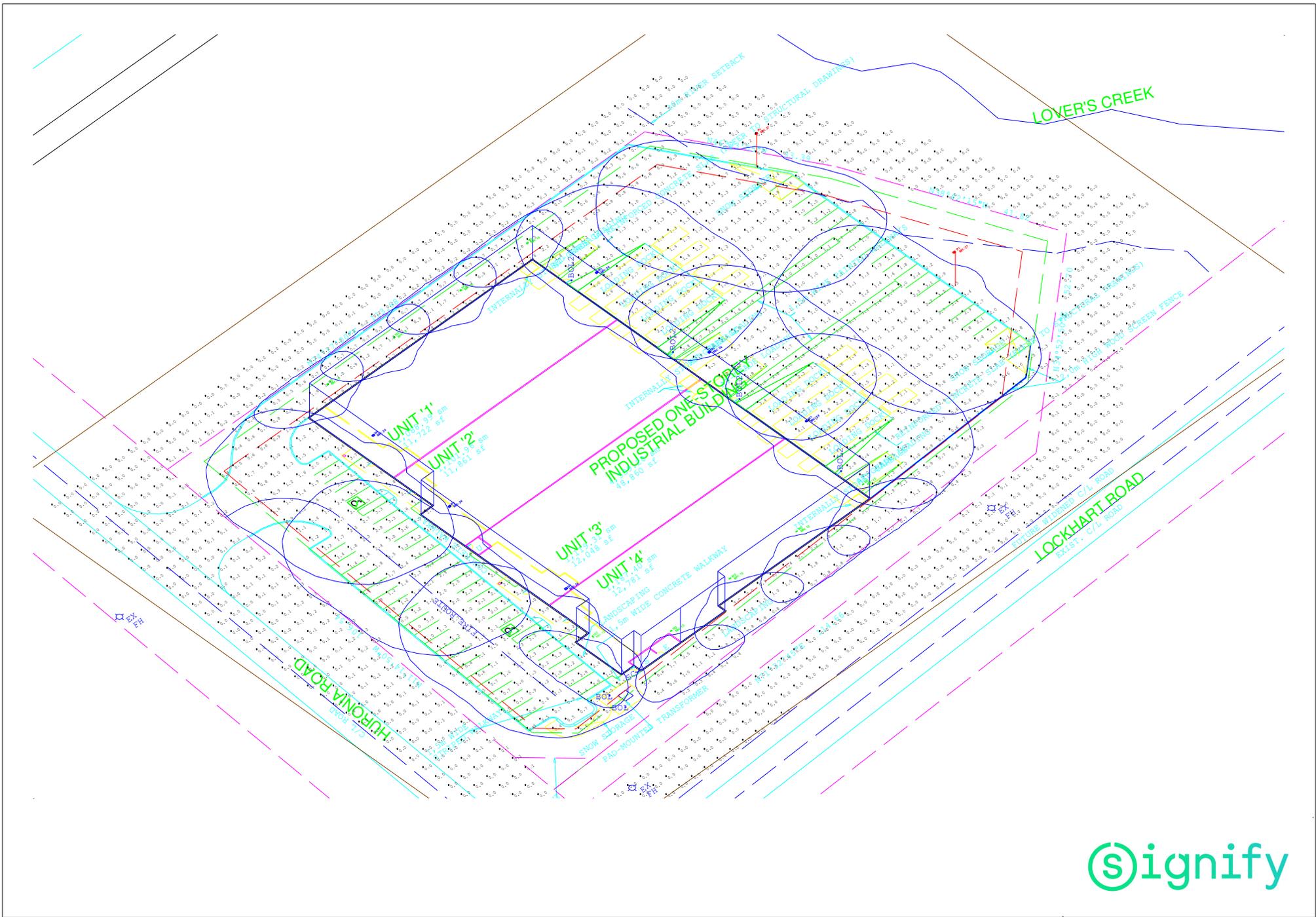
Total Time (Hrs.): .55

Units: Feet

Page 1 of 11

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 lightingcalculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.





<p>281 Hillmount Road, Markham, Ontario, Canada, L6C 2S3 Office: 905-201-4944</p>	<p><b>Project name :</b> 777 Huronia Road - Barrie</p>	<p><b>Date:</b>2019-11-22</p>
<p><small>DISCLAIMER: Calculations have been performed according to IESNA &amp; 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.</small></p>	<p><b>Prepared For :</b> Peter Vidovic / Marco Ciraco @ Vaughna Electrical</p>	<p>AGi32 Version 19.9.2</p>
	<p><b>Filename:</b> 777 Huronia Road - Barrie - Site - No 22-2019.AGI</p>	<p>Total Time (Hrs.): .55</p>
	<p><b>By :</b> Linda Zimbalatti</p>	<p><b>Units:</b> Feet</p>
	<p><b>Page 3 of 11</b></p>	

# Results summary

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Lum. Lumens	(MANUFAC)
	2	P1	SINGLE	0.900	ECF-S-64L-900-NW-G2-4-HIS	177.8	17429	Gardco by Signify
	6	W1	SINGLE	0.900	ECF-S-64L-900-NW-G2-WS-4-HIS	177.8	17429	Gardco by Signify
	9	W2	SINGLE	0.900	LPW-16-20-NW-G3-3	22.3	2316	Keene by Signify

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
LIGHTSPILL	Illuminance	Fc	0.03	0.3	0.0	N.A.	N.A.
SITE	Illuminance	Fc	1.64	5.3	0.3	5.47	17.67

Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	
1	P1	410	-191	27	180	
2	P1	398.035	-47.692	27	208.968	
3	W1	260.371	-224.364	24	0	
4	W1	260.371	-148.364	24	0	
5	W1	73.61	-223	24	180	
6	W1	73.61	-132	24	180	
7	W1	83	-63	24	180	
8	W1	260.371	-60.364	24	0	
9	W2	99.941	-10.168	15	90	
10	W2	151.941	-10.168	15	90	
11	W2	203.941	-10.168	15	90	
12	W2	255.941	-10.168	15	90	
13	W2	97.941	-281.168	15	270	
14	W2	253.941	-275.168	15	270	
15	W2	201.941	-275.168	15	270	
16	W2	149.941	-275.168	15	270	
17	W2	63.855	-253.408	15	180	



TYPE P1



TYPE W1



TYPE W2



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

Project name : 777 Huronia Road - Barrie

Date:2019-11-22

Prepared For : Peter Vidovic / Marco Ciraco @ Vaughn Electrical

AGI32 Version 19.9.2

Filename: 777 Huronia Road - Barrie - Site - No 22-2019.AGI

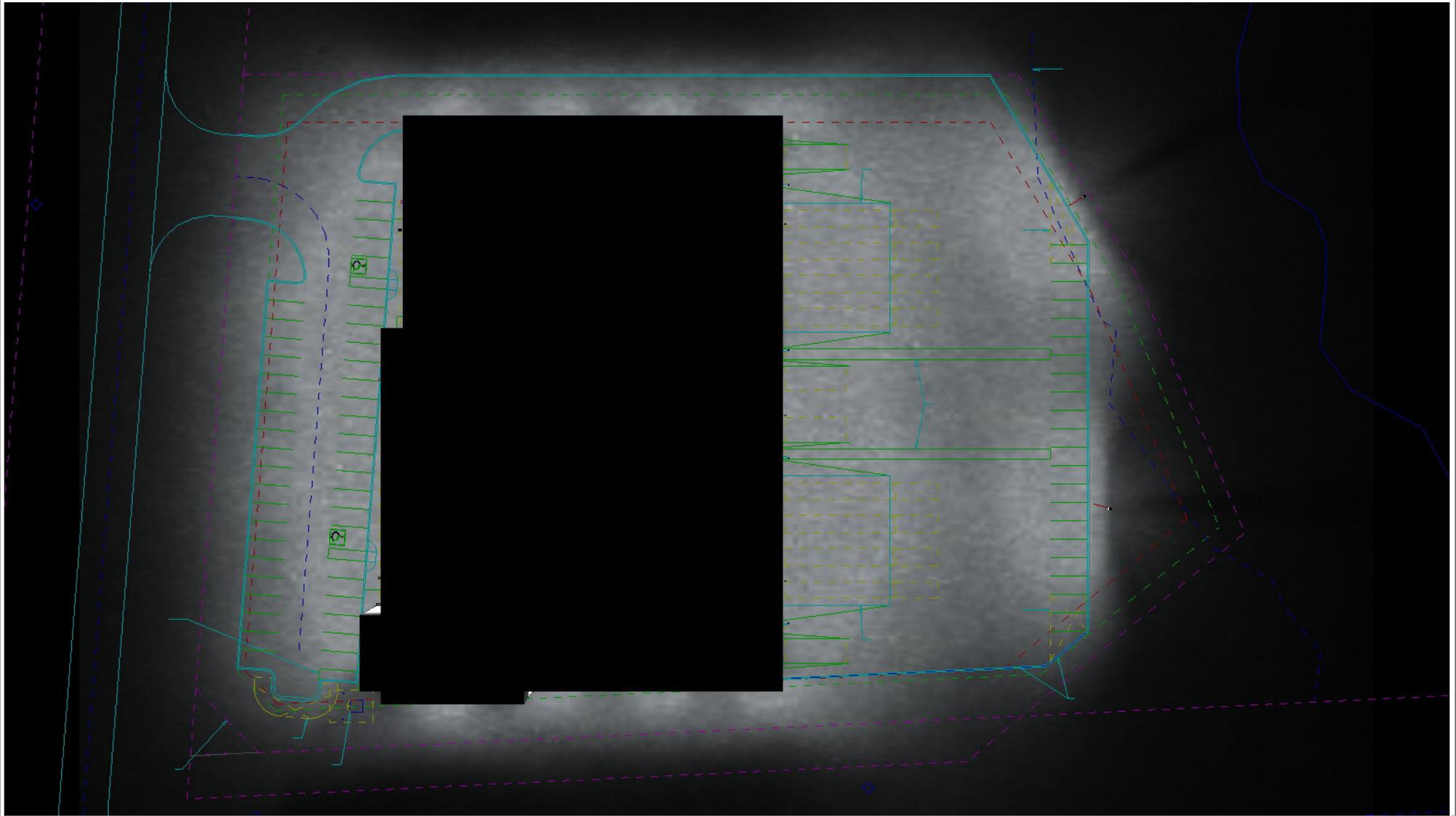
Total Time (Hrs.): .55

By : Linda Zimbalatti

Units: Feet

Page 4 of 11

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.



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 :** 777 Huronia Road - Barrie

**Prepared For :** Peter Vidovic / Marco Ciraco @ Vaugha Electrical

**Filename:** 777 Huronia Road - Barrie - Site - No 22-2019.AGI

**By :** Linda Zimbalatti

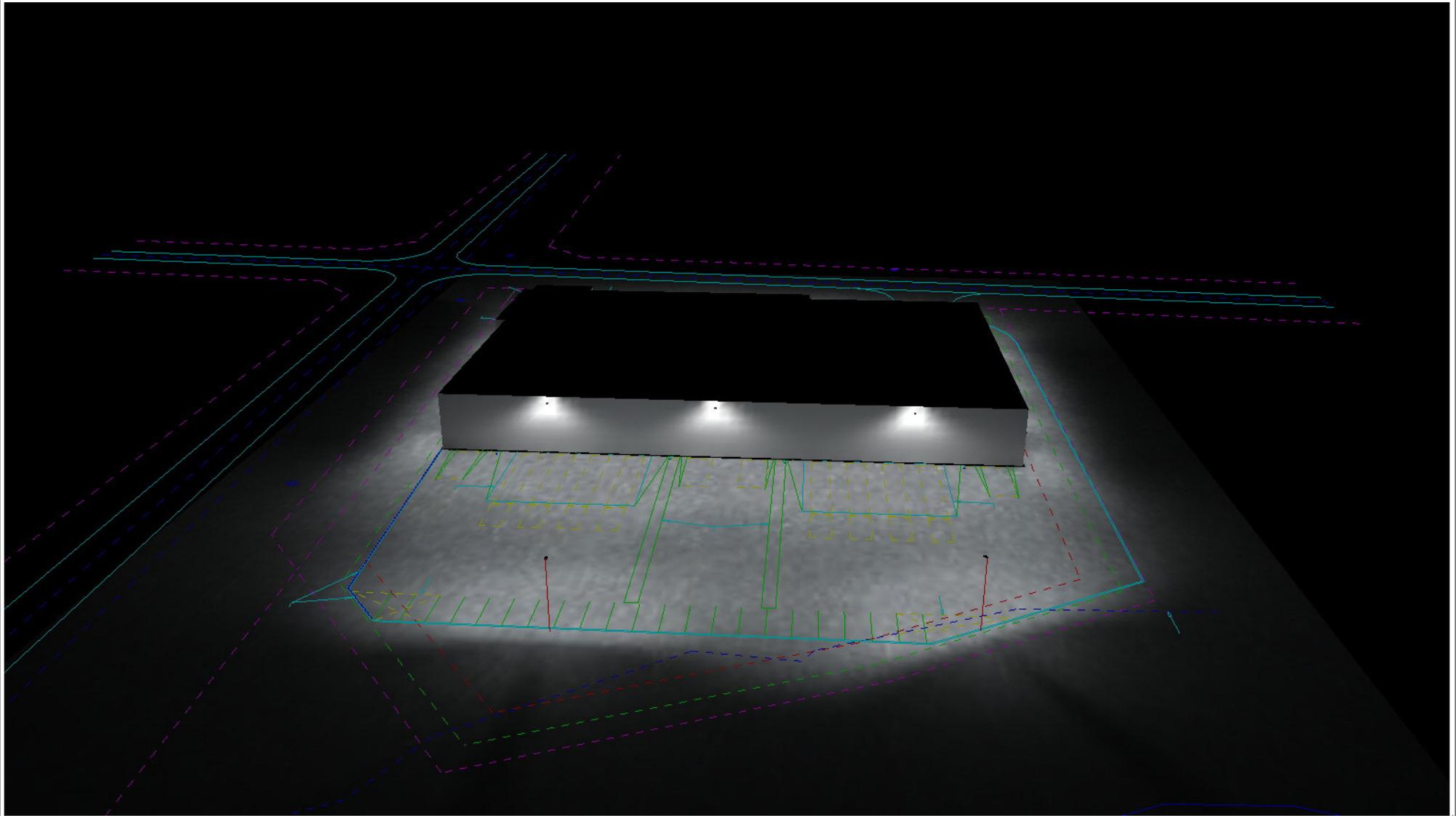
**Units:** Feet

**Date:**2019-11-22

AGI32 Version 19.9.2

Total Time (Hrs.): .55

**Page 5 of 11**



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 :** 777 Huronia Road - Barrie

**Prepared For :** Peter Vidovic / Marco Ciraco @ Vaughn Electrical

**Filename:** 777 Huronia Road - Barrie - Site - No 22-2019.AGI

**By :** Linda Zimbalatti

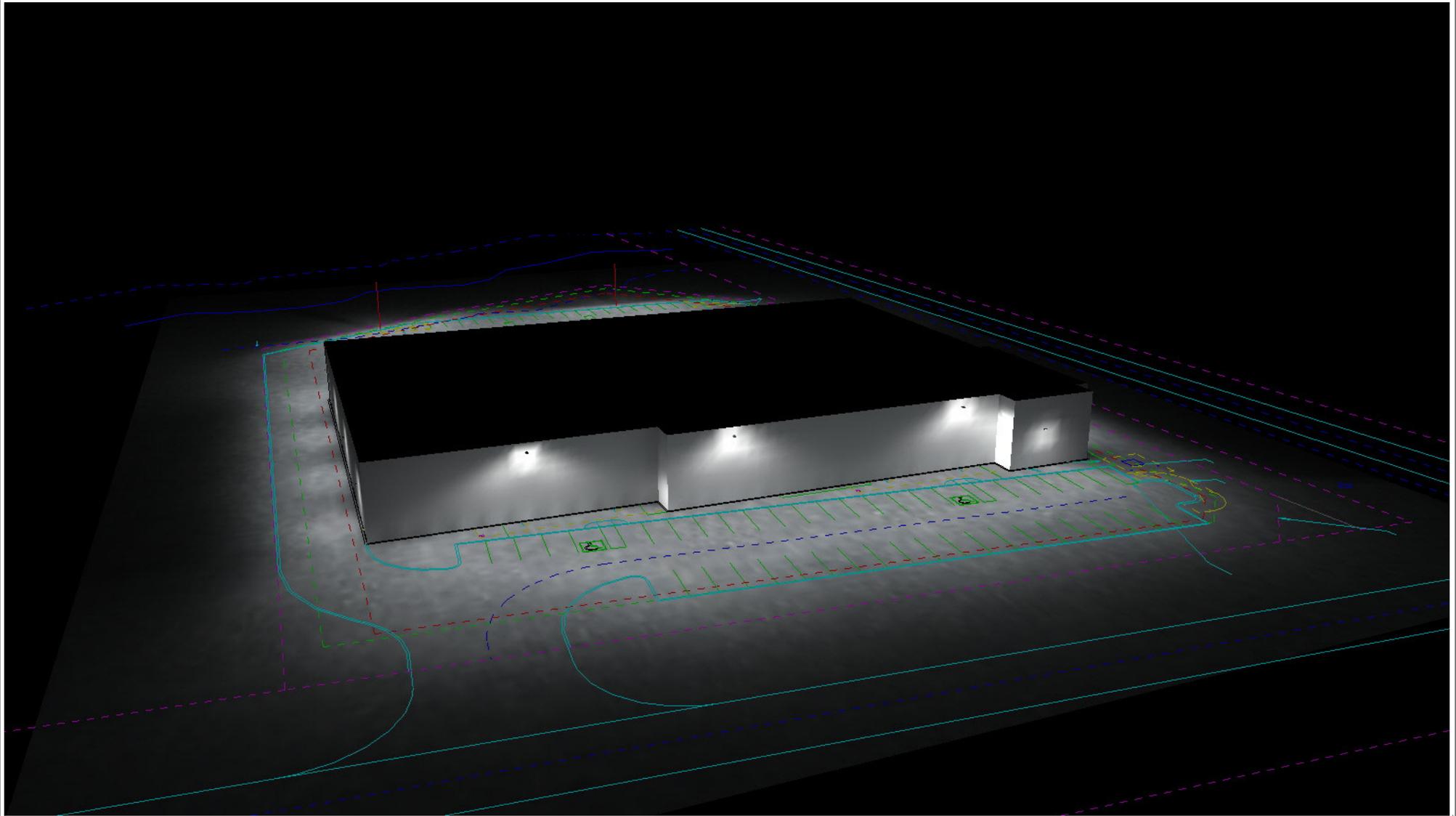
**Units:** Feet

**Date:**2019-11-22

AGi32 Version 19.9.2

Total Time (Hrs.): .55

**Page 6 of 11**



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 :** 777 Huronia Road - Barrie

**Prepared For :** Peter Vidovic / Marco Ciraco @ Vaughn Electrical

**Filename:** 777 Huronia Road - Barrie - Site - No 22-2019.AGI

**By :** Linda Zimbalatti

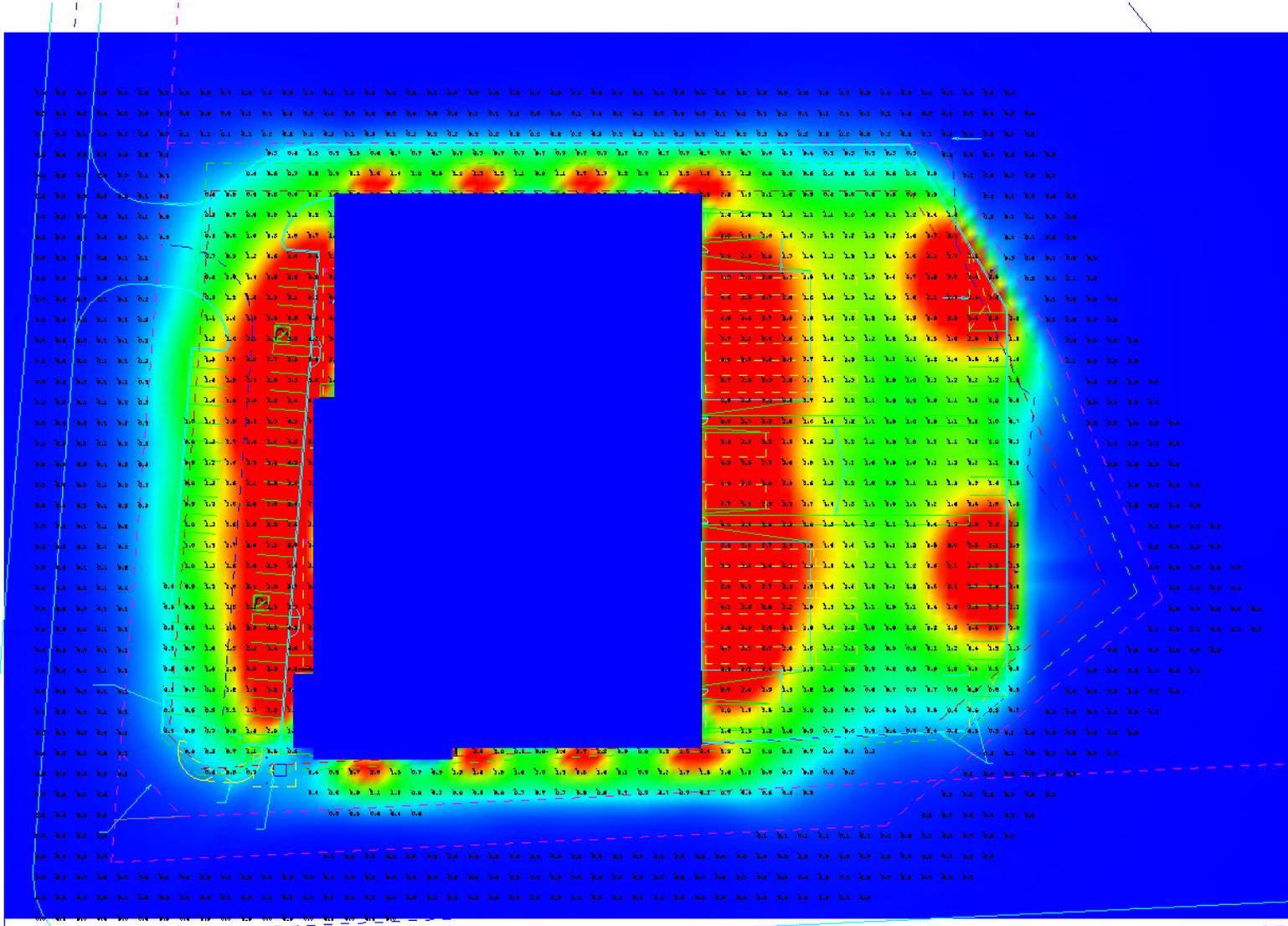
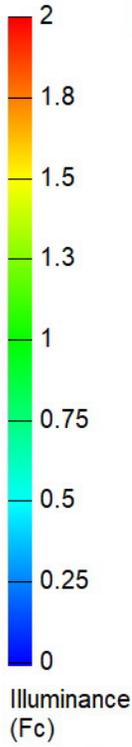
**Units:** Feet

**Date:**2019-11-22

AGi32 Version 19.9.2

Total Time (Hrs.): .55

**Page 7 of 11**



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 : 777 Huronia Road - Barrie

Prepared For : Peter Vidovic / Marco Ciraco @ Vaughna Electrical

Filename: 777 Huronia Road - Barrie - Site - No 22-2019.AGI

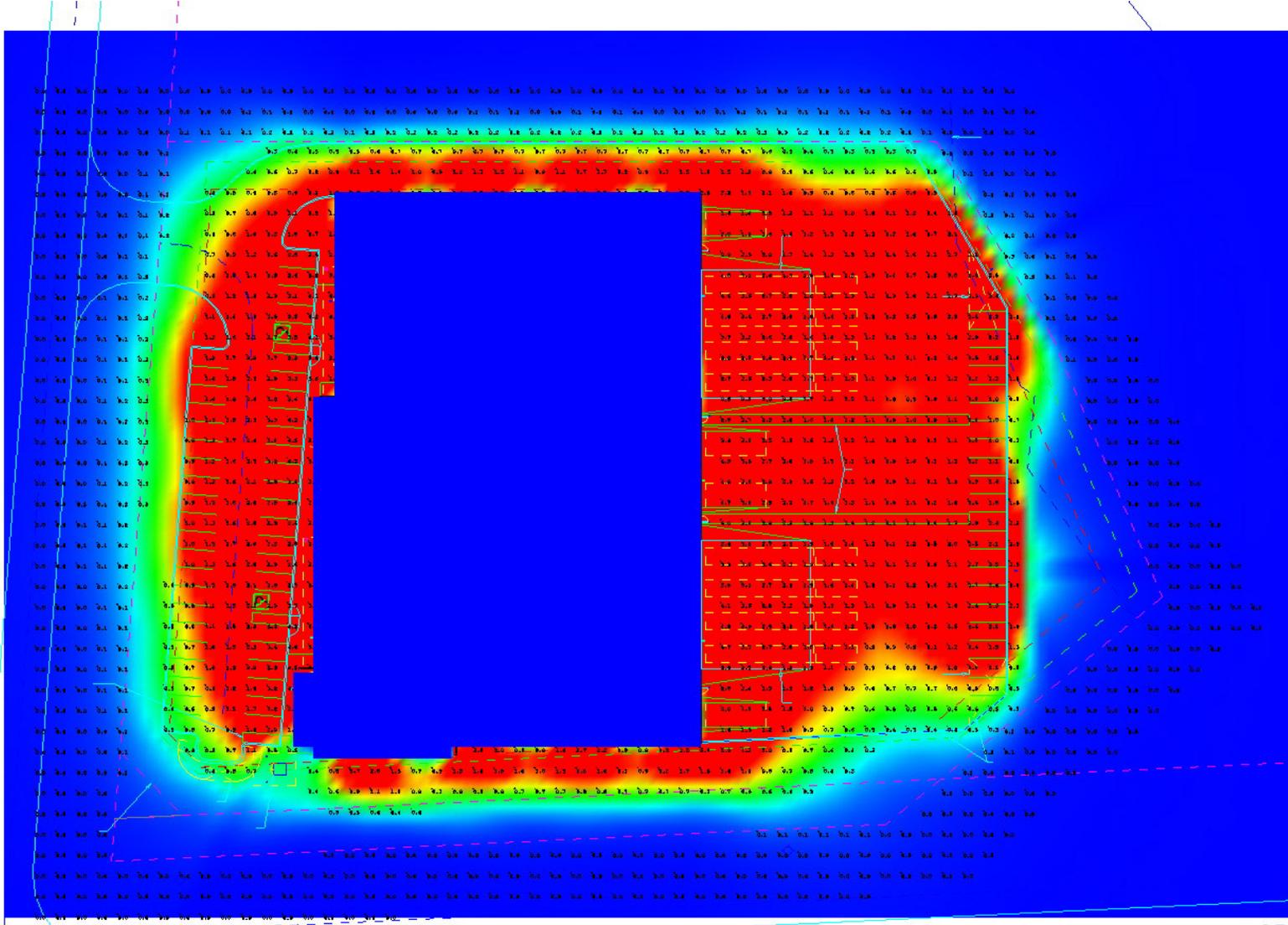
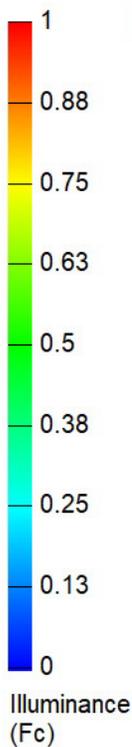
By : Linda Zimbalatti

Units: Feet

Date:2019-11-22

AGI32 Version 19.9.2

Total Time (Hrs.): .55



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

Project name : 777 Huronia Road - Barrie

Prepared For : Peter Vidovic / Marco Ciraco @ Vaughna Electrical

Filename: 777 Huronia Road - Barrie - Site - No 22-2019.AGI

By : Linda Zimbalatti

Units: Feet

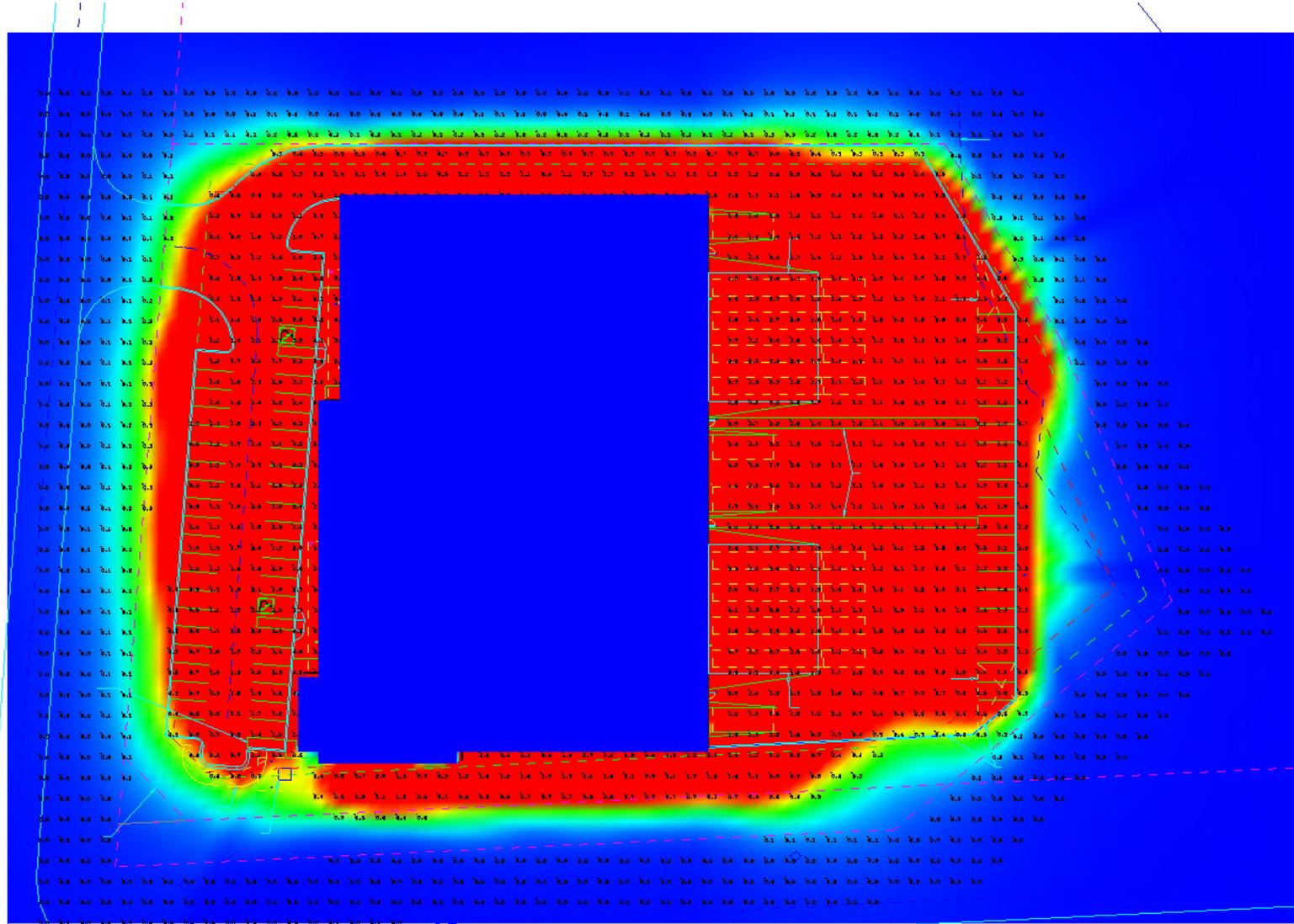
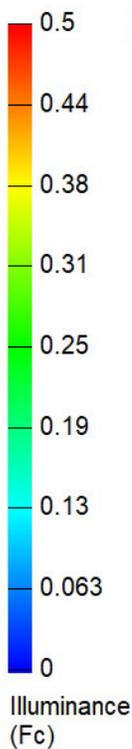
Date:2019-11-22

AGI32 Version 19.9.2

Total Time (Hrs.): .55

Page 9 of 11

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 lightingcalculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.



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 : 777 Huronia Road - Barrie

Prepared For : Peter Vidovic / Marco Ciraco @ Vaughna Electrical

Filename: 777 Huronia Road - Barrie - Site - No 22-2019.AGI

By : Linda Zimbalatti

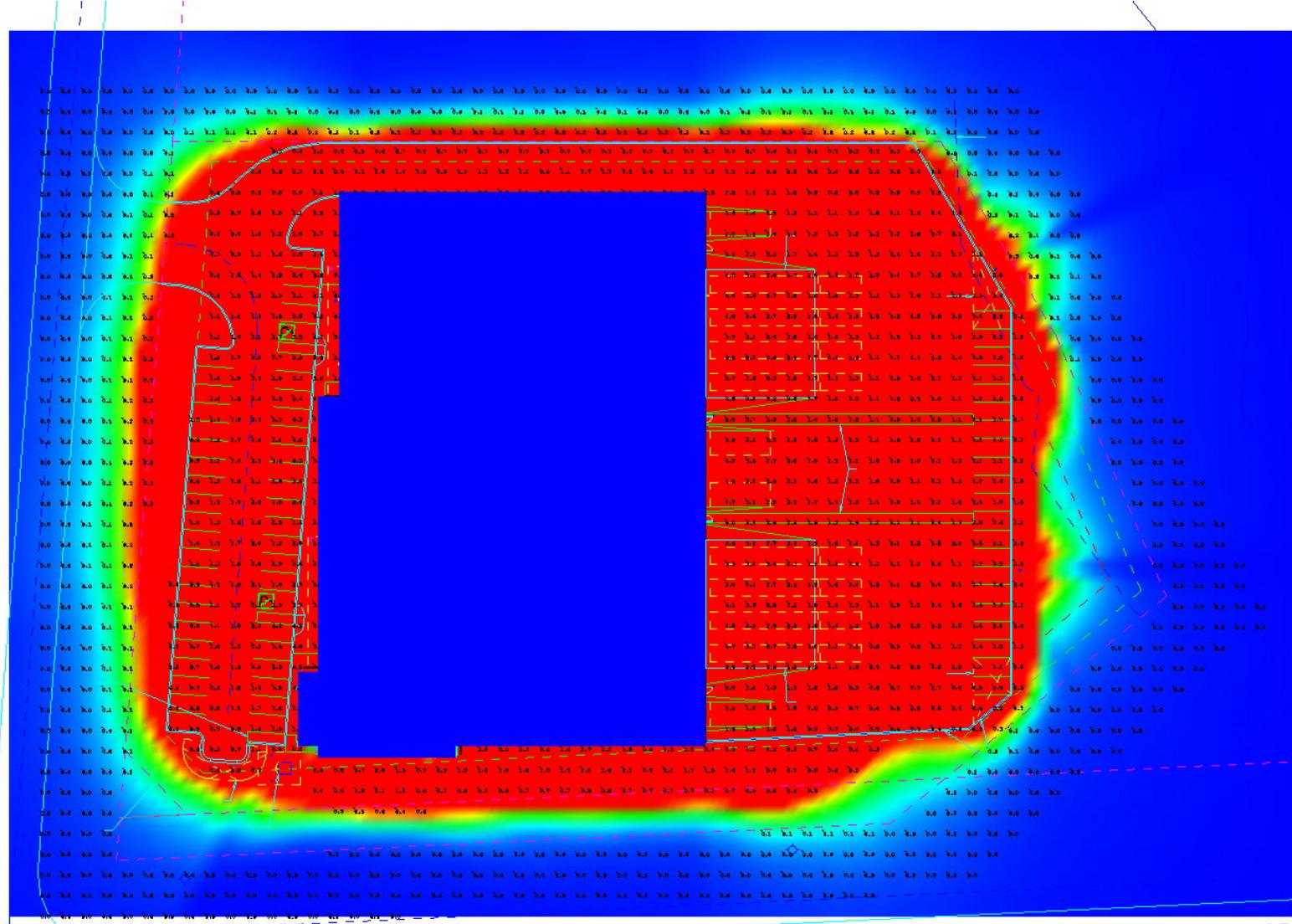
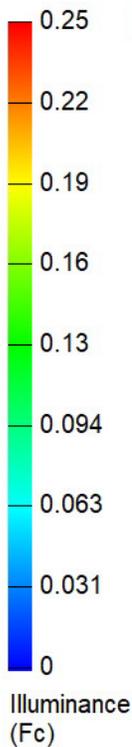
Units: Feet

Date:2019-11-22

AGI32 Version 19.9.2

Total Time (Hrs.): .55

Page 10 of 11



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 : 777 Huronia Road - Barrie

Prepared For : Peter Vidovic / Marco Ciraco @ Vaughna Electrical

Filename: 777 Huronia Road - Barrie - Site - No 22-2019.AGI

By : Linda Zimbalatti

Units: Feet

Date:2019-11-22

AGI32 Version 19.9.2

Total Time (Hrs.): .55