



Lighting Calculation Study

Our global brands are

PHILIPS interact

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

Project name : 665 James Street North - St. Mary's, Ontario

Prepared For : Ryan Green @ Salex

Filename: 665 James St North - St Mary's - Site - r2 - June 02-2021.AGI

By : Linda Zimbalatti

Date:2021-06-02

AGi32@ Version 19.15.0

Total Time (Hrs.): .75

Units: Feet

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Results summary

| Luminaire Schedule | | | | | | | | | |
|---|-----|-------|-------------|-------|----------------------------|------------|-------------|-------------------|------------|
| Symbol | Qty | Label | Arrangement | LLF | Description | Lum. Watts | Lum. Lumens | (MANUFAC) | BUG Rating |
|  | 3 | P1 | SINGLE | 0.900 | ECF-S-48L-1_2A-NW-G2-4-HIS | 182.71 | 18176 | Gardco by Signify | B1-U0-G4 |
|  | 4 | W1 | SINGLE | 0.900 | PW50-NW-G1-8 | 50.9 | 5114 | Keene by Signify | B2-U0-G1 |

| Calculation Summary | | | | | | | |
|---------------------|-------------|-------|------|------|-----|---------|---------|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
| LIGHTSPILL | Illuminance | Fc | 0.11 | 0.7 | 0.0 | N.A. | N.A. |
| PERIMETER | Illuminance | Fc | 1.21 | 12.1 | 0.0 | N.A. | N.A. |
| SITE | Illuminance | Fc | 1.98 | 5.5 | 0.2 | 9.90 | 27.50 |
| PARKING LOT | Illuminance | Fc | 2.26 | 5.5 | 0.5 | 4.52 | 11.00 |



TYPE P1



TYPE W1

| Luminaire Location Summary | | | | | | |
|----------------------------|-------|---------|---------|----|--------|------|
| LumNo | Label | X | Y | Z | Orient | Tilt |
| 1 | P1 | 310 | 287 | 23 | 180 | 0 |
| 2 | P1 | 128 | 287.25 | 23 | 0 | 0 |
| 3 | P1 | 203.698 | 340.59 | 23 | 270 | 0 |
| 4 | W1 | 267.467 | 165.122 | 18 | 270 | 0 |
| 5 | W1 | 165.327 | 165.122 | 18 | 270 | 0 |
| 6 | W1 | 307.064 | 196.597 | 11 | 0 | 0 |
| 7 | W1 | 137.304 | 196.597 | 11 | 180 | 0 |



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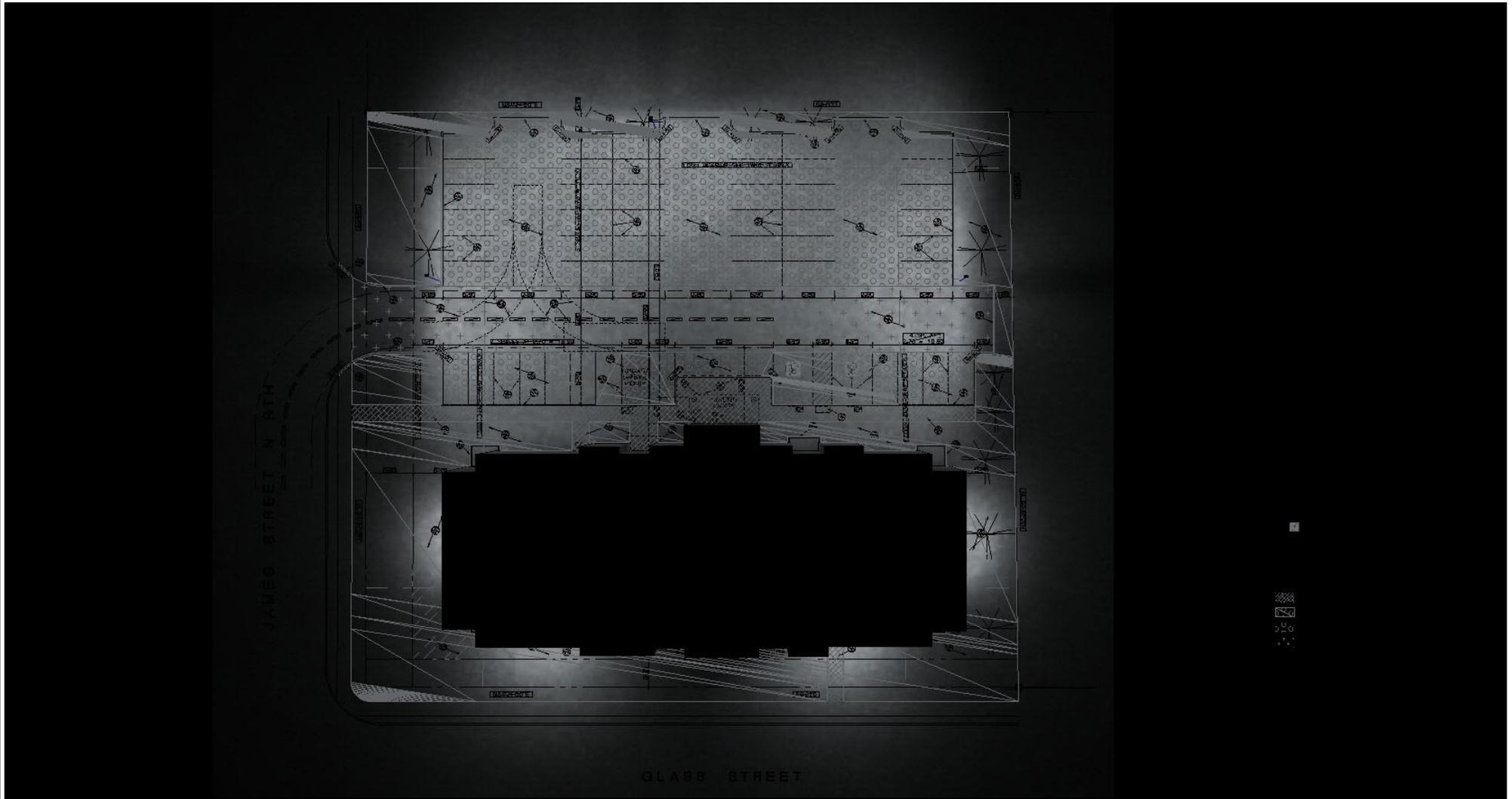
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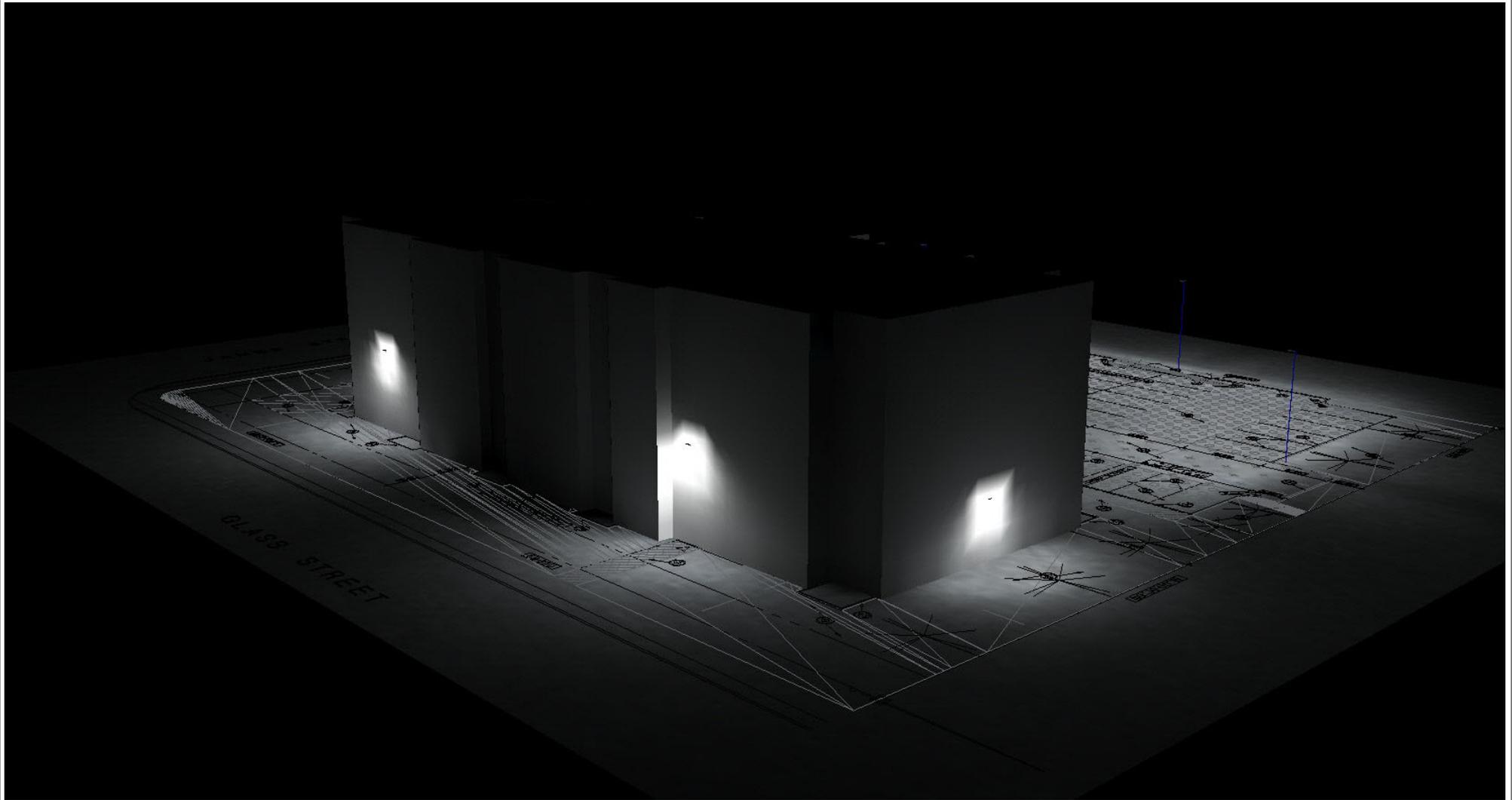
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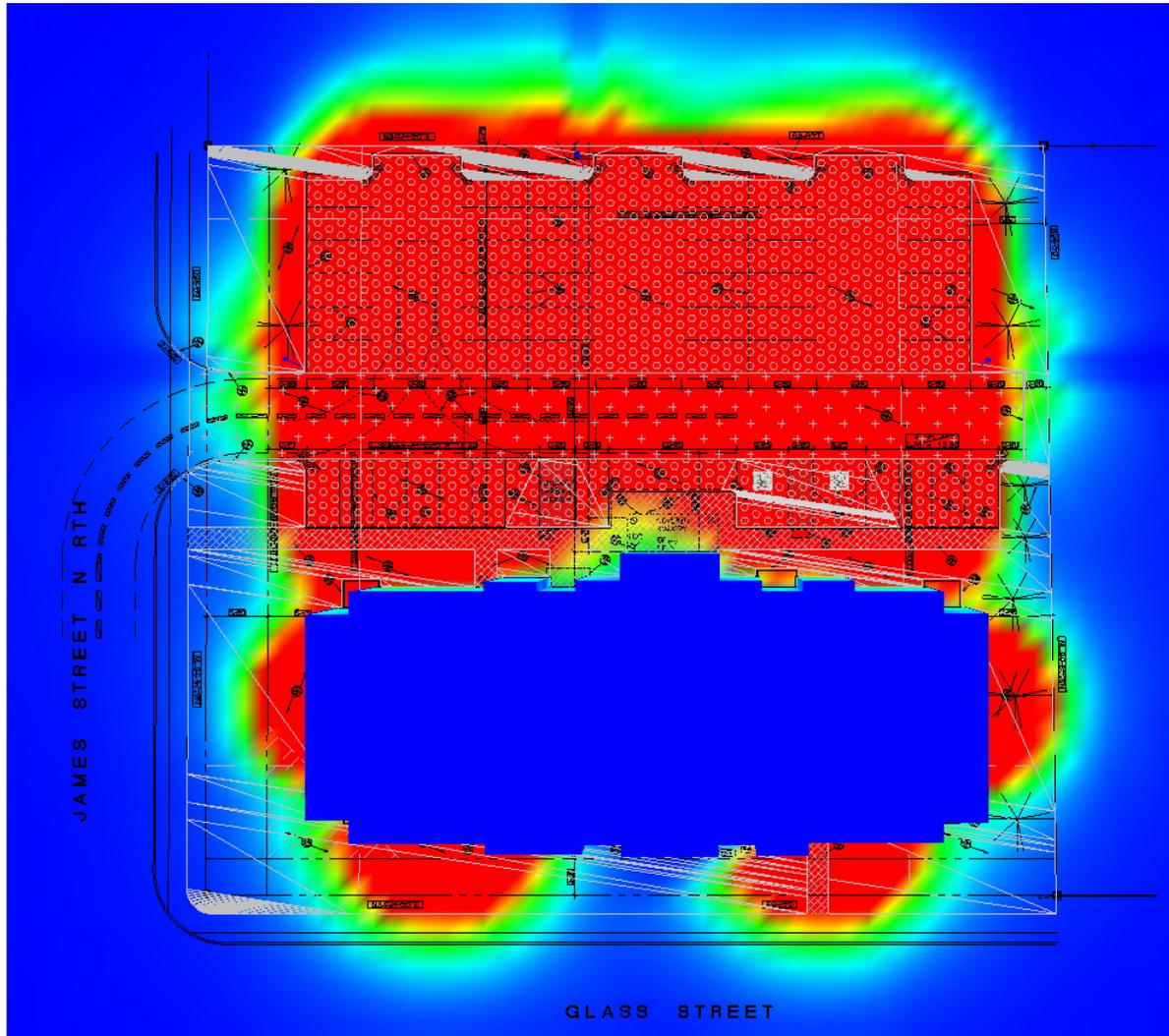
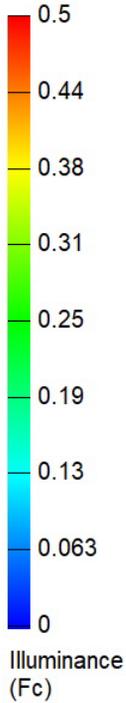
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SITE DATA:

665 JAMES STREET NORTH, ST. MARY'S
 PLAN OF SURVEY OF PART OF LOT 15, COND. (LEGISLATIVE TOWNSHIP OF BURLINGTON) WITH TOWN OF ST. MARY'S, COUNTY OF PETERBORO AS BY NICHOL SURVEYING LIMITED, ONTARIO LAND CONTROLLED ON THE 15TH DAY OF MARCH 2019.
 (P5-L) - RESIDENTIAL
 UNPL. 3040.0 m²
 1000.0 m² TOP FLOOR OVERLAPPING FOOT AND 80.0 m² TOP EACH ADDITIONAL OVERLAPPING UNIT
 MIN. 25.0 m
 MIN. 37.0 m
 RECOVERED
 7.5 m
 5.0 m
 7.5 m
 12.0 m
 2044.00 m² ±
 25 UNITS / 10,000 m²
 MAX. 3 STOREYS / 13.5 m
 386.52 m² ±
 (MAX. 2005) BLDG. FLOOR / SITE AREA 1026.52 m² / 3,828.14
 (MAX. 2005) 1,027.25 m² (11,383.33 ft²)
 1,644.07 m² (17,666.02 ft²)
 RESIDENTIAL 4.00 SPACES PER 1000 SQ FT
 20-30 PWD SPACES REQUIRES 2 ACCESS SURFACES
 40 STANDARD PWD
 2 ACCESSIBLE PM
 30 TOTAL SPK
 INTERIOR CARBON STORAGE FOR BEEF COLLECTION BY PRIVATE REUSE/RECYCLE

SITE LEGEND:

- PROPERTY LINE
 - DOTTED LINE FIRE POINT
 - MIN. 10.0m HOSE W/ 12.0m LATERAL REACH
 - ▽ BUILDING CORNER - LOCATES BARRIER FREE TTC, SERVICE, FIRE POWER, PRINCIPAL ENTRANCE
 - ACCESSIBLE PARKING
 - NEW GREEN BUSH
 - NEW DOUBLE CATCH BASIN
 - NEW MANHOLE
 - NEW CATCH BASIN MANHOLE
 - NEW OIL AND GAS SEPARATOR
 - FIVE DEPENDENT CONNECTION
 - CONCRETE SIDEWALK
 - STANDARD DUFFY ASPHALT
 - HEAVY DUFFY ASPHALT
 - NEW TRAFFIC SIGNAL
 - REFER TO SIGNAL LEGEND
 - EXISTING CATCH BASIN
 - EXISTING MANHOLE
 - EXISTING DRAIN BASIN
 - EXISTING ROAD SIGN
 - EXISTING UTILITY POLE (W/EXIST. WIRE)
 - EXISTING LIGHT STAKE
 - EXISTING BELL PEEL
 - EXISTING GAS METER
 - EXISTING STEEL GUARD
 - EXISTING WOOD FENCE
- SIGNAGE LEGEND:**
- SIGN
 - SIGN WITH PHOTOGRAPH
 - SIGN WITH PHOTOGRAPH (REMOVABLE SIGN POST)



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