

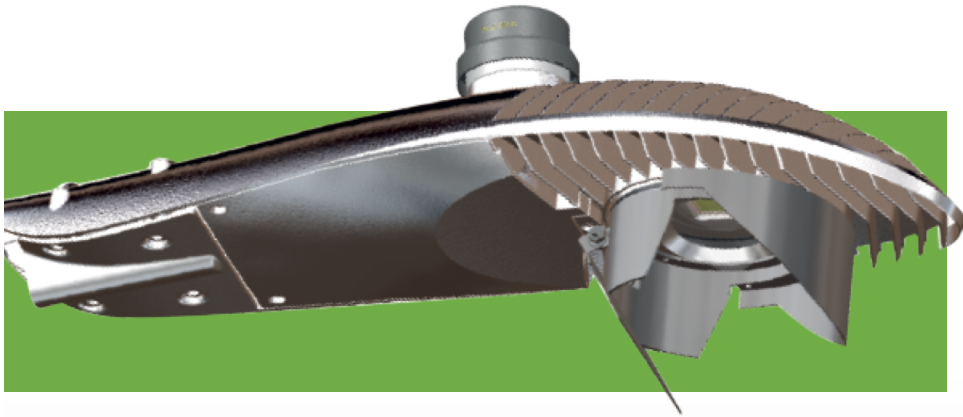
Effect of shields for different roadway scenarios

LUMICAN
LED by Innovation

SCENES

‘Scenes’ refer to different lighting scenarios. We modify the shape of the shield to accommodate the specific needs of the area, preventing light trespass and waste.

- Roads with 2 lanes, 3 lanes and 4 lanes are considered.
- Scenarios involved have one sided and two sided lamp poles.
- For 3 and 4 lane scenarios, residential and non-residential areas have been considered. This would change the pole height.
- The black line on each image shows the maximum distance light could reach for each scenario.
- For all the scenarios, light distribution without our shields have also been shown.



LUMICANA™ Dark Sky series Small Chassis

60 watt COB
2200K Colour Temperature
FULL SHIELD

2 lanes, one sided lamp pole of 26 feet (S60WT1G0)



Light distribution without shield



Light distribution with shield

3 lanes, residential area, one sided lamp pole of 30 feet (S60WT2G0)



Light distribution without shield



Light distribution with shield

3 lanes, non-residential area, one sided lamp pole of 36 feet (S60WT3G0)

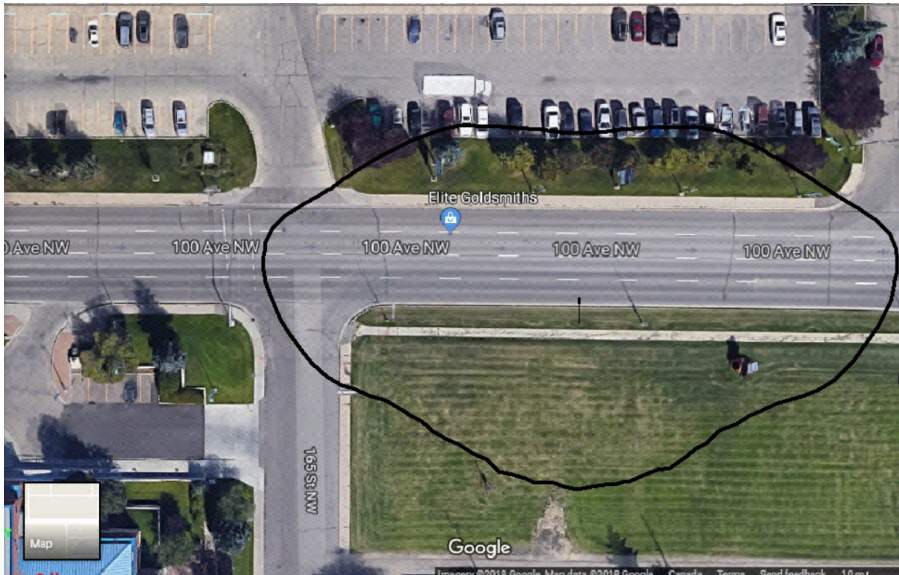


Light distribution without shield

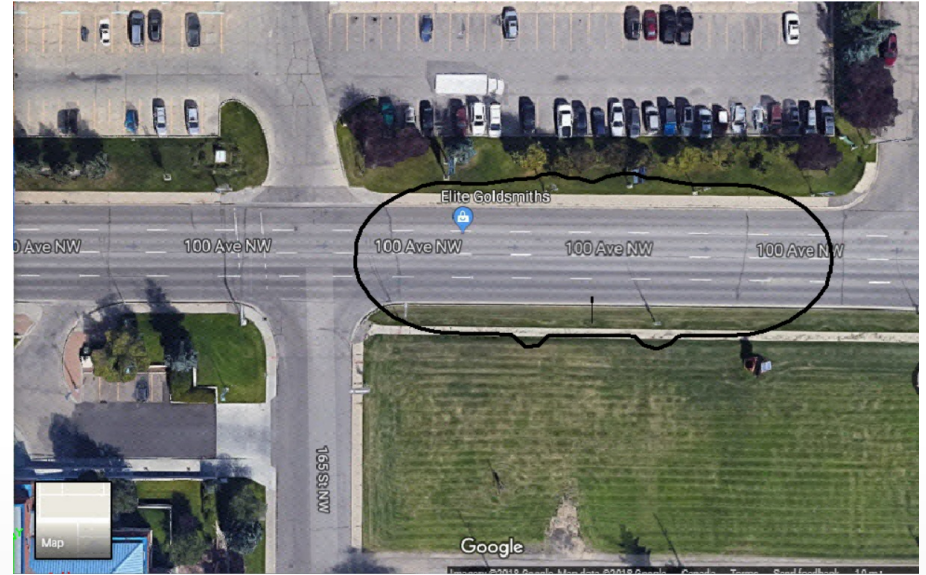


Light distribution with shield

4 lanes, residential area, one sided lamp pole of 32 feet (S60WT4G0)



Light distribution without shield



Light distribution with shield

4 lanes, non-residential area, one sided lamp pole of 50 feet (S60WT5G0)

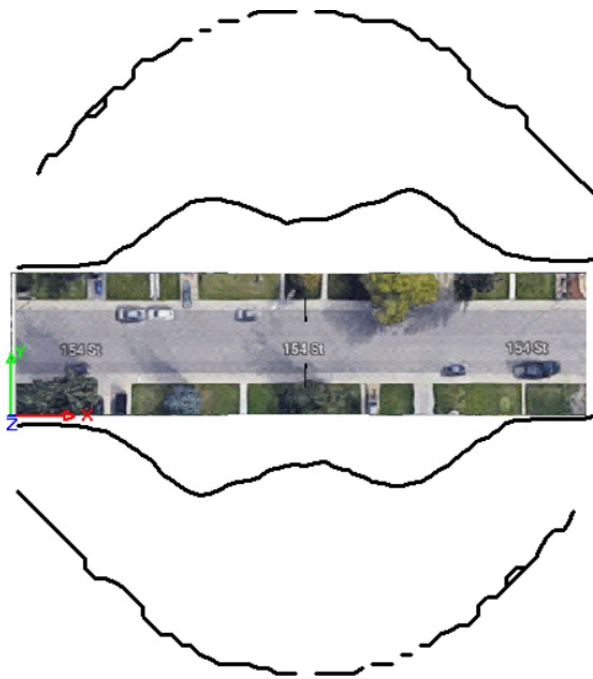


Light distribution without shield



Light distribution with shield

2 lanes, opposite sided lamp pole of 26 feet (S60WT11G0)

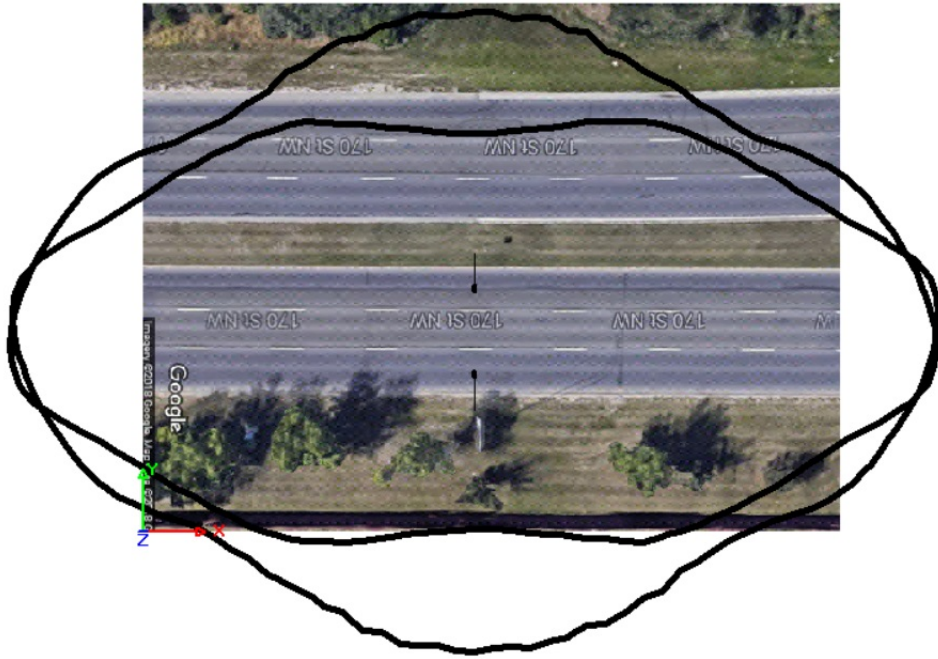


Light distribution without shield

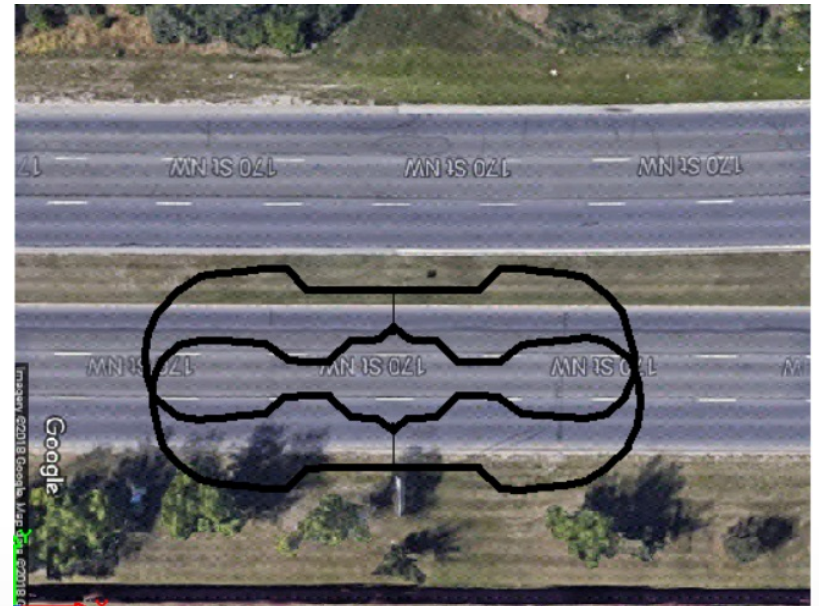


Light distribution with shield

3 lanes, residential area, opposite sided lamp pole of 30 feet (S60WT12G0)



Light distribution without shield

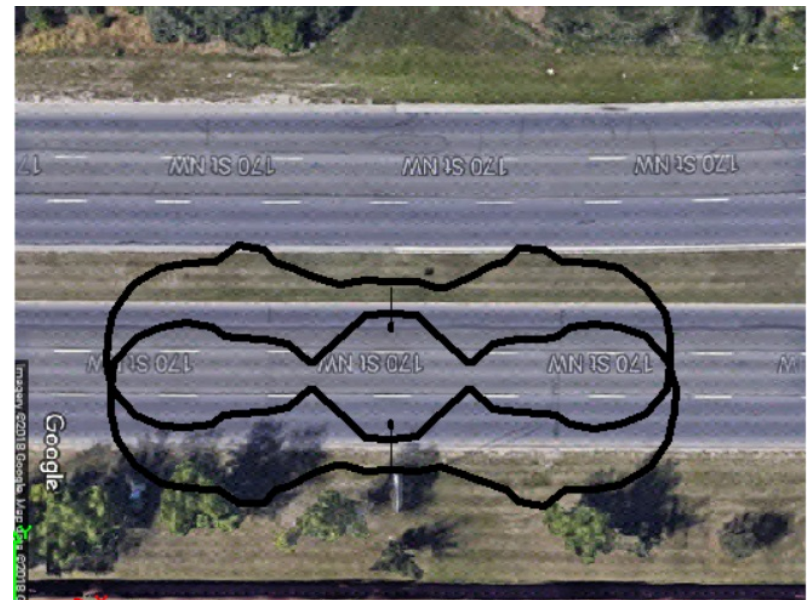


Light distribution with shield

3 lanes, non-residential area, opposite sided lamp pole of 36 feet (S60WT13G0)

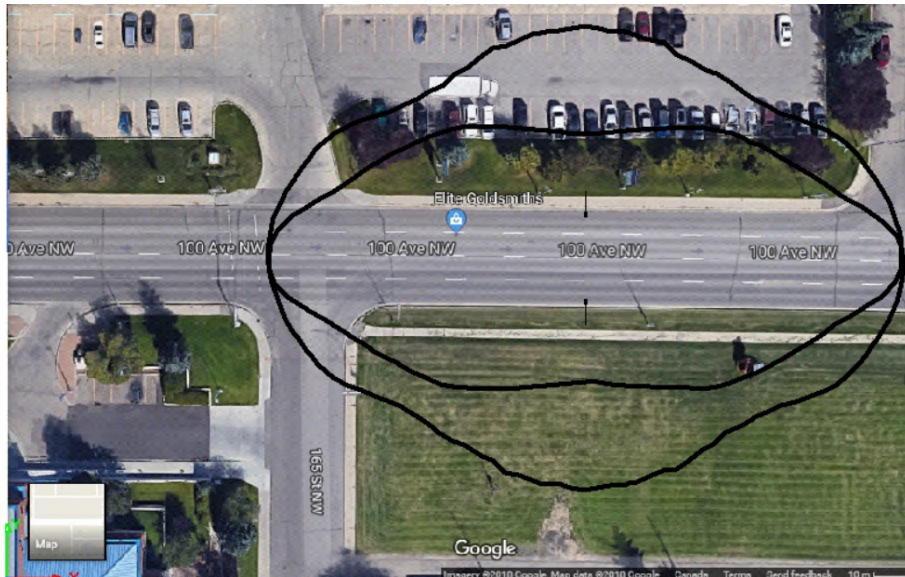


Light distribution without shield

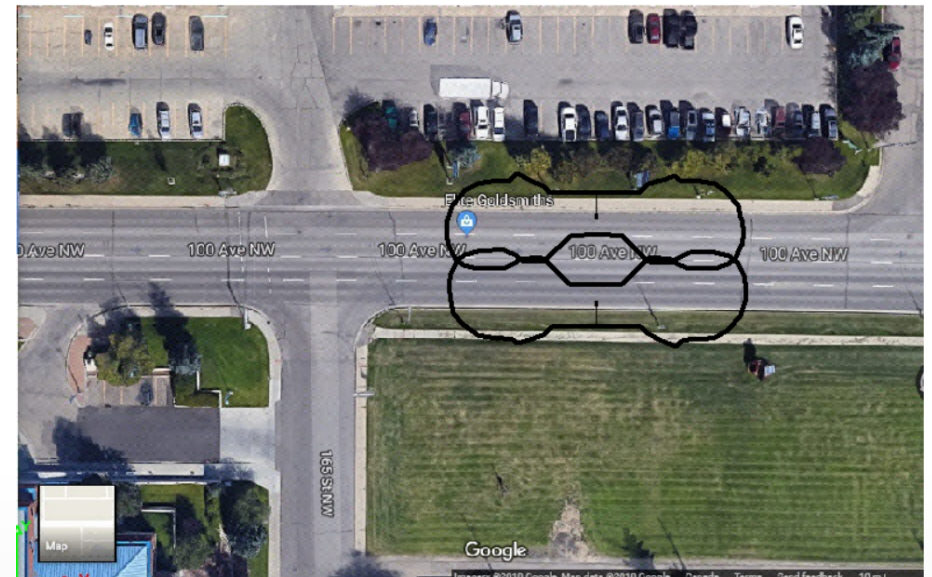


Light distribution with shield

4 lanes, residential area, opposite sided lam
pole of 32 feet (S60WT14G0)

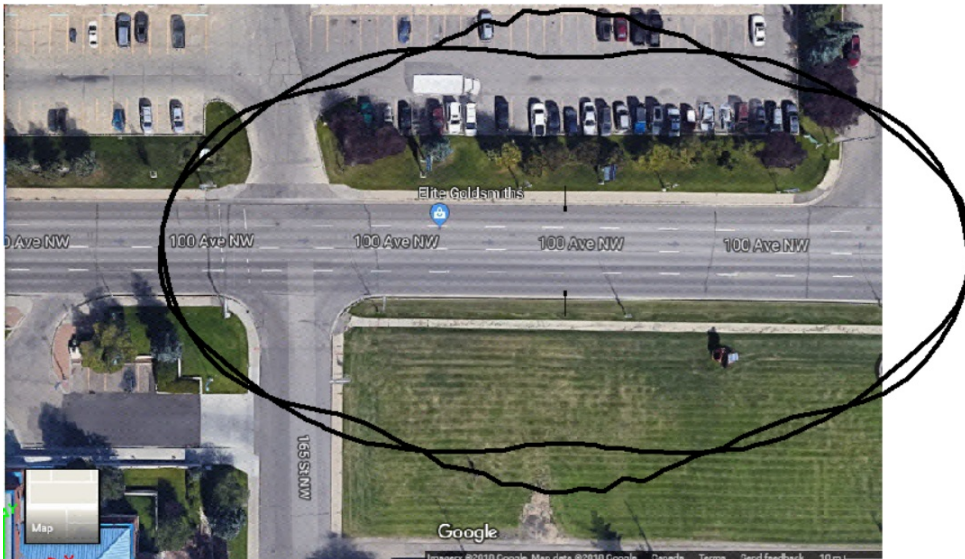


Light distribution without shield

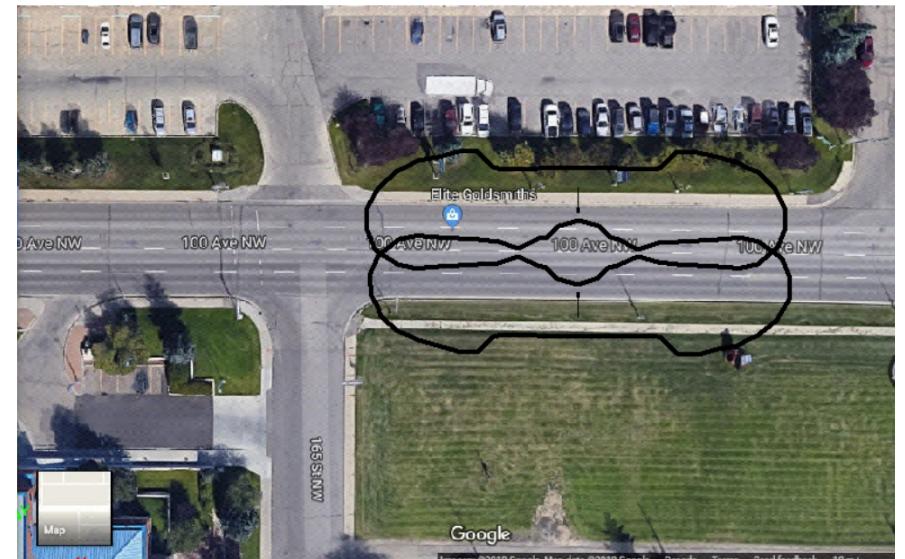


Light distribution with shield

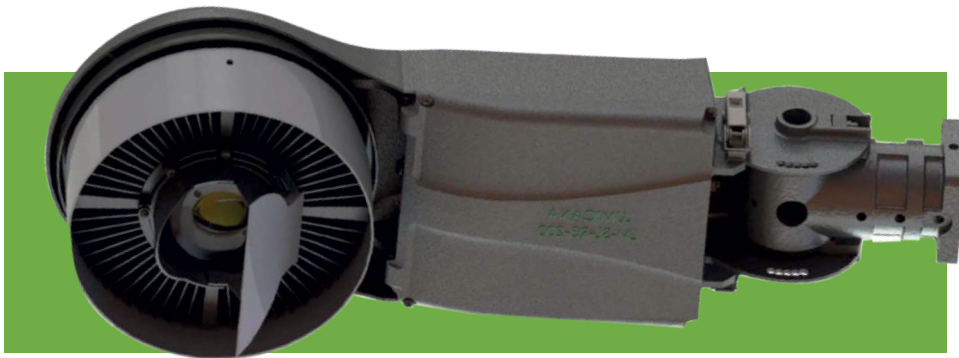
4 lanes, non-residential area, opposite sided lamp pole of 50 feet (S60WT15G0)



Light distribution without shield



Light distribution with shield



LUMICANA™ Dark Sky series

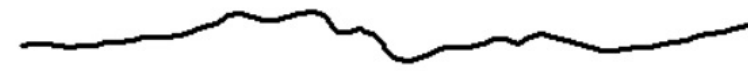
Large Chassis

180 watt COB

2200K Colour Temperature

FULL SHIELD

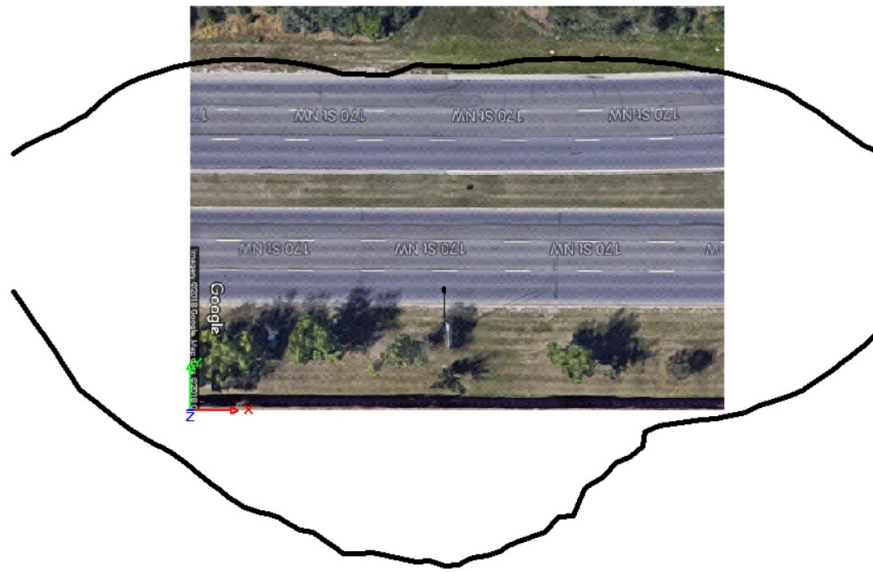
2 lanes, one sided lamp & pole of 26 feet (L180WT6G0)



Light distribution without shield

Light distribution with shield

3 lanes, residential area, one sided lamp & pole of 30 feet (L180WT7G0)



Light distribution without shield



Light distribution with shield

3 lanes, non-residential area, one sided lamp & pole of 36 feet (L180WT8G0)



Light distribution without shield



Light distribution with shield

4 lanes, residential area, one sided lamp & pole of 32 feet (L180WT9G0)



Light distribution without shield



Light distribution with shield

4 lanes, non-residential area, one sided lamp & pole of 50 feet (L180WT10G0)

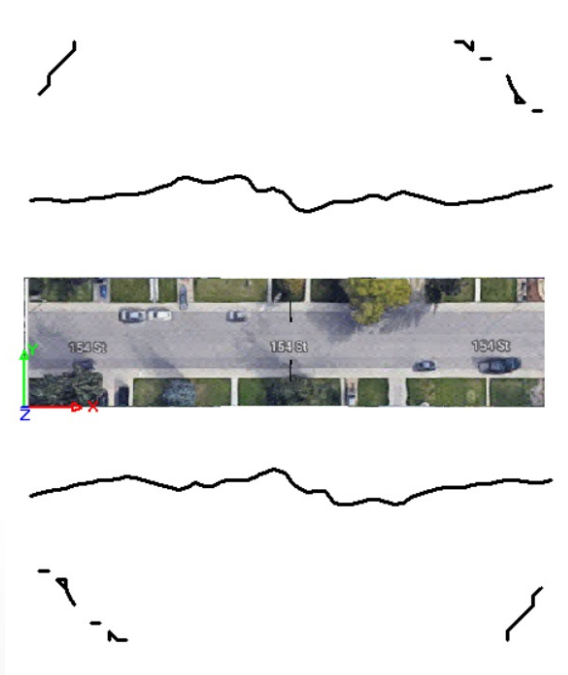


Light distribution without shield



Light distribution with shield

2 lanes, opposite sided lamp & pole of 26 feet (L180WT16G0)

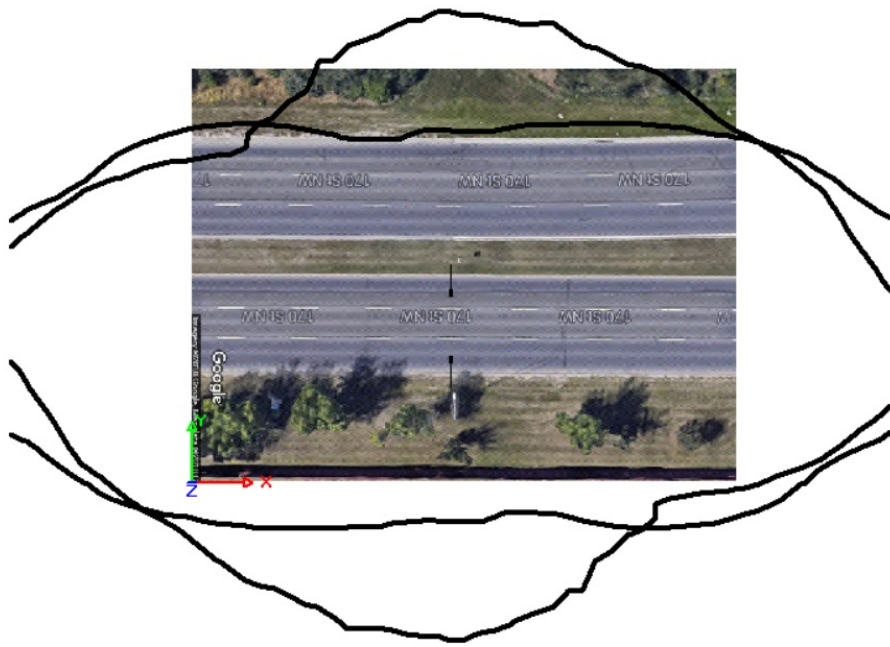


Light distribution without shield

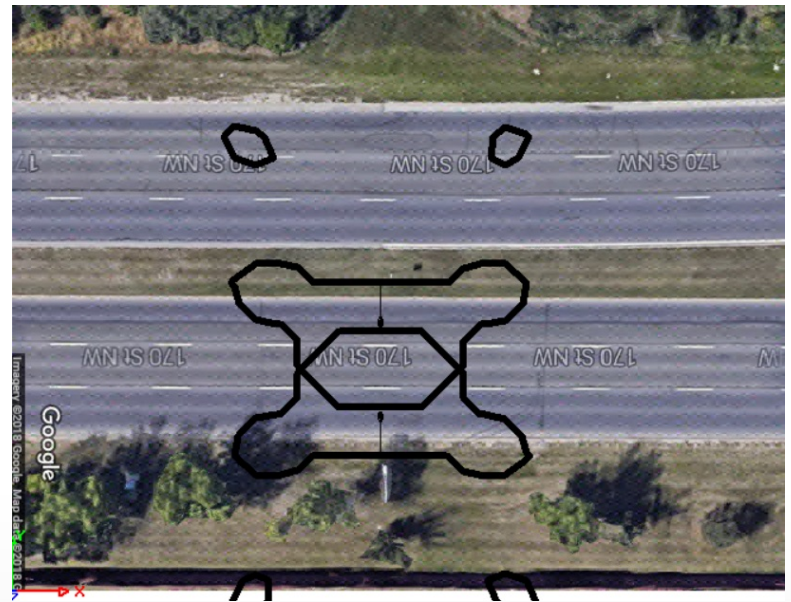


Light distribution with shield

3 lanes, residential area, opposite sided lamp & pole of 30 feet (L180WT17G0)

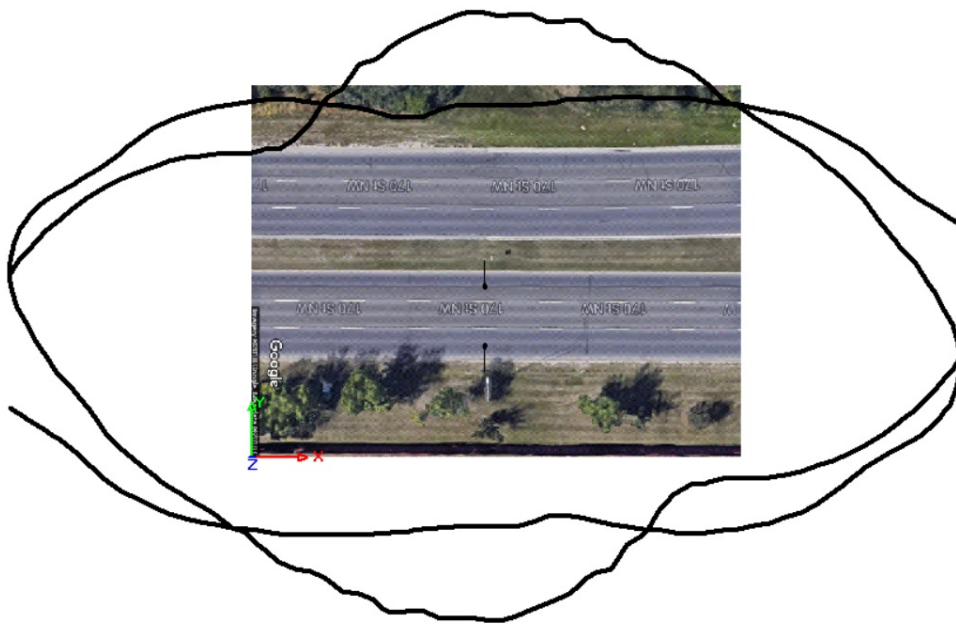


Light distribution without shield

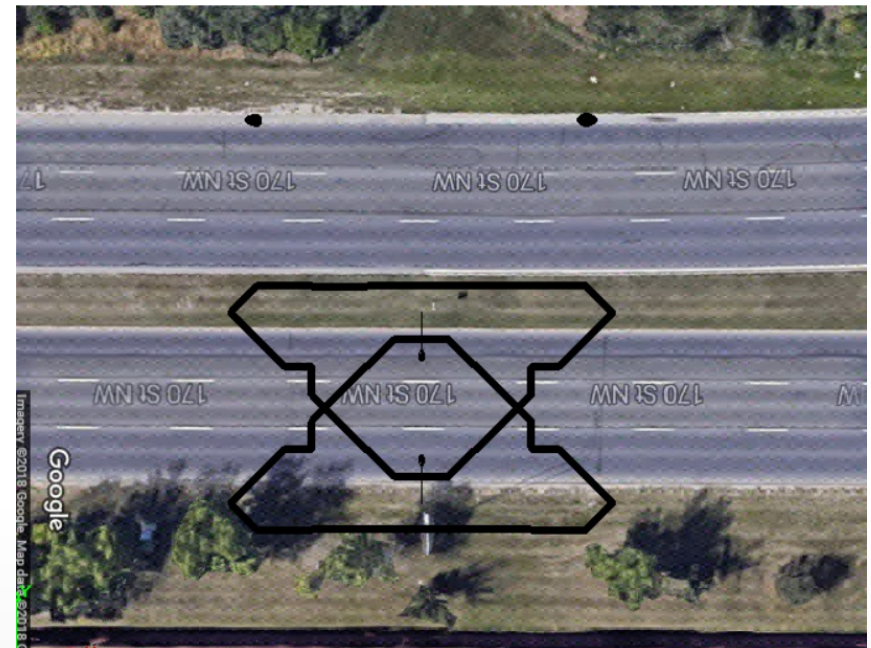


Light distribution with shield

3 lanes, non-residential area, opposite sided lamp & pole of 36 feet (L180WT18G0)

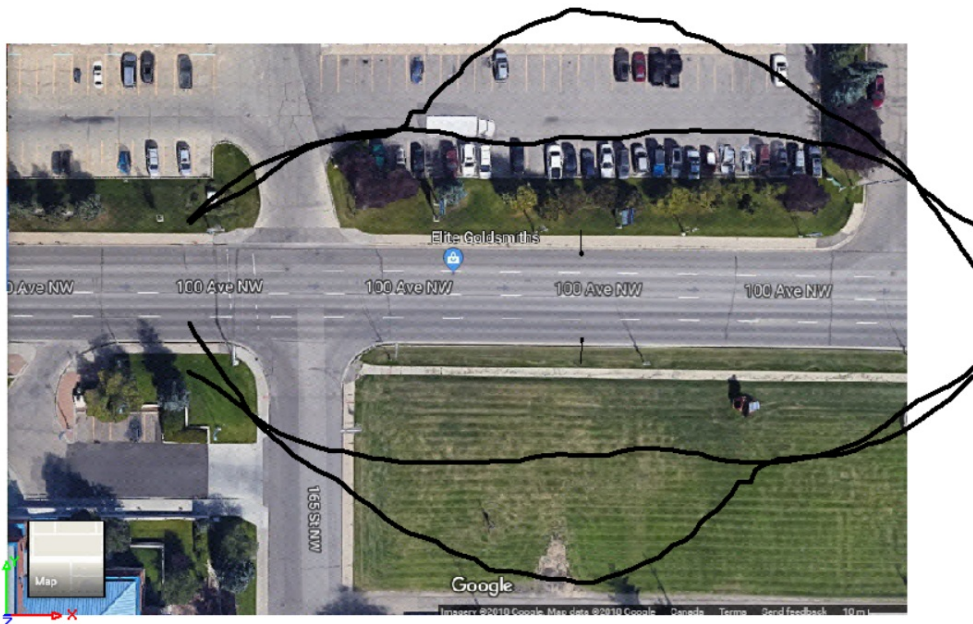


Light distribution without shield

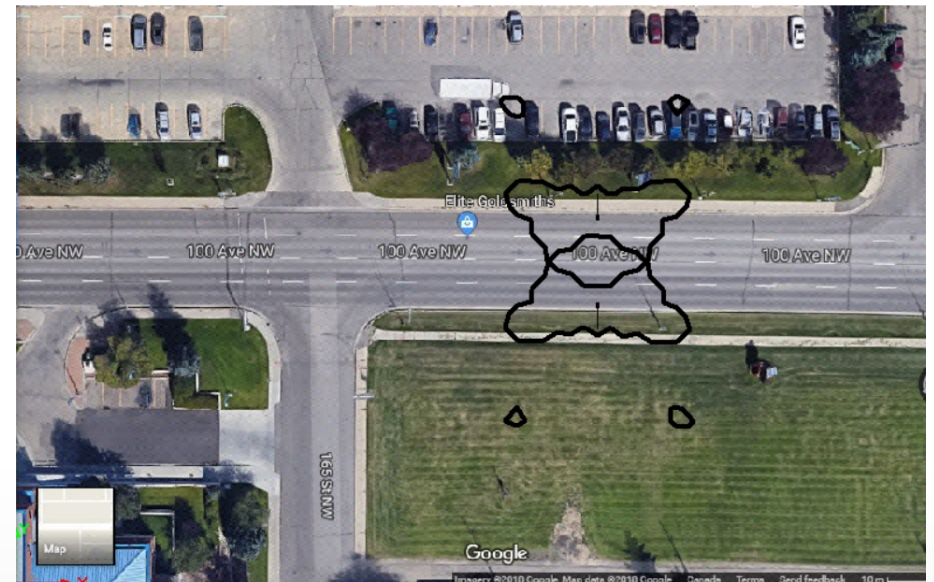


Light distribution with shield

4 lanes, residential area, opposite sided lamp & pole of 32 feet (L180WT19G0)



Light distribution without shield

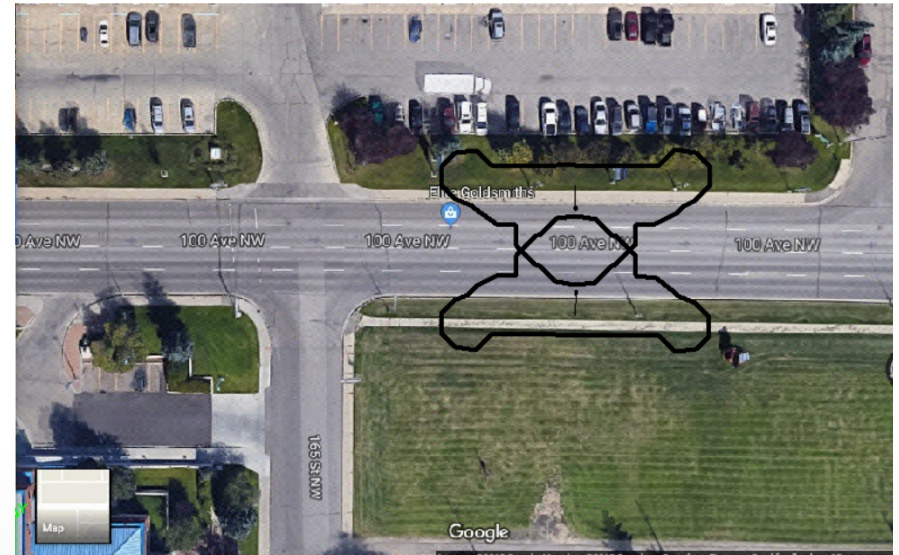


Light distribution with shield

4 lanes, non-residential area, opposite sided lamp & pole of 50 feet (L180WT20G0)



Light distribution without shield



Light distribution with shield

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