



# Typical Parking Garage Section

Fixture Spacing: 20' x 30'

Fixture Height: 8'

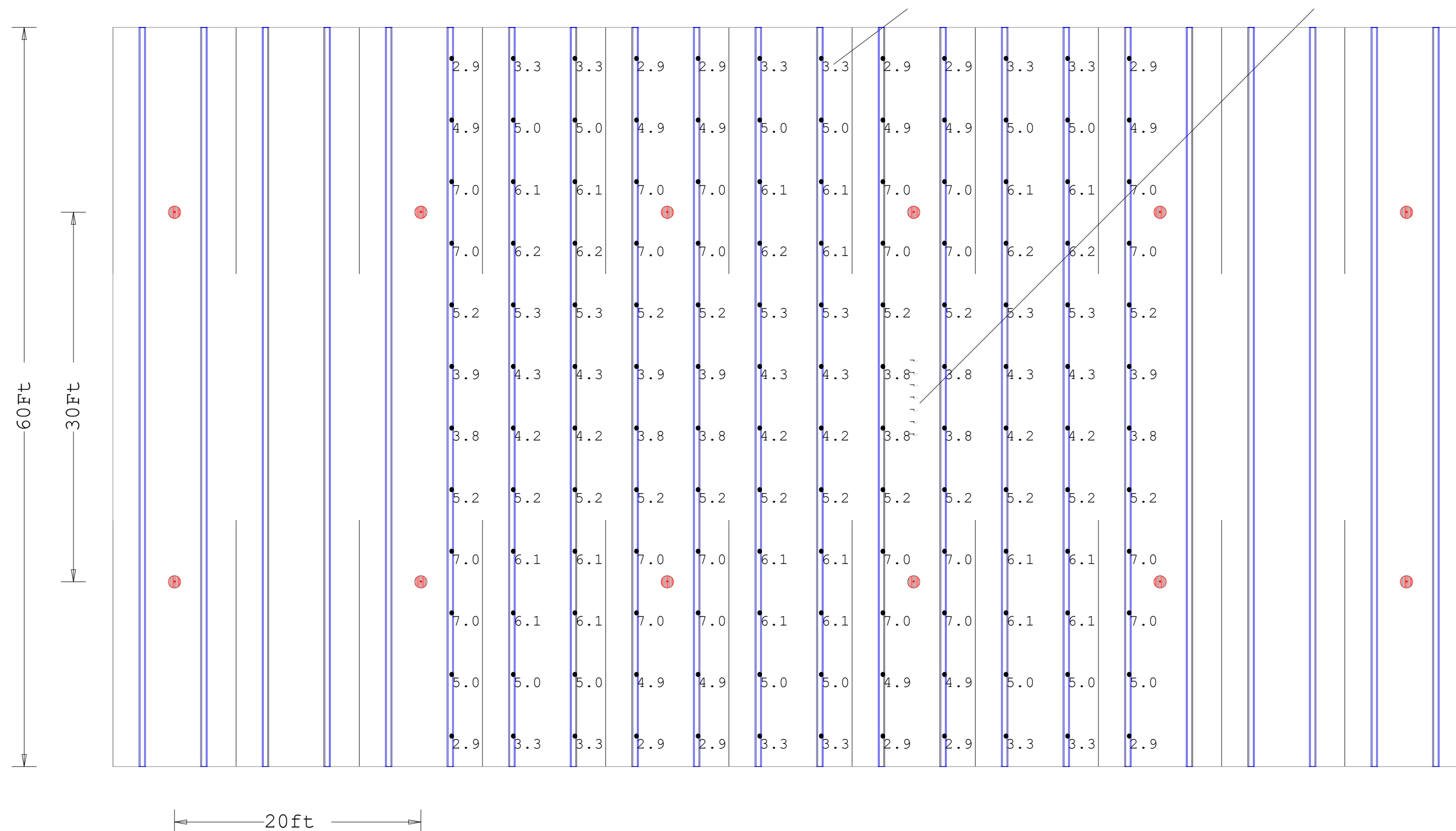
Reflectances: 35% Ceiling 35% Walls 20% Floor



OPS-PD/SD

Floor Horizontal Calculation

Drive Aisle Vertical @5' Calculation



| Luminaire Schedule |                 |             |            |     |       |       |
|--------------------|-----------------|-------------|------------|-----|-------|-------|
| Symbol             | Description     | Lum. Lumens | Lum. Watts | LER | LLD   | LLF   |
| ⊕                  | OPS-03L-5Q-40K8 | 3100        | 20         | 155 | 1.000 | 1.000 |

| Calculation Summary                |             |       |      |     |     |         |         |
|------------------------------------|-------------|-------|------|-----|-----|---------|---------|
| Label                              | CalcType    | Units | Avg  | Max | Min | Avg/Min | Max/Min |
| Horizontal at Grade                | Illuminance | Fc    | 5.07 | 7.0 | 2.9 | 1.75    | 2.41    |
| Vertical at 5 Feet (Height of Eye) | Illuminance | Fc    | 0.70 | 0.7 | 0.7 | 1.00    | 1.00    |

Fixtures mounted even with bottom of tees.

| Luminaire Location Summary |     |    |   |        |      |
|----------------------------|-----|----|---|--------|------|
| LumNo                      | X   | Y  | Z | Orient | Tilt |
| 1                          | 25  | 15 | 8 | 90     | 0    |
| 2                          | 5   | 15 | 8 | 90     | 0    |
| 3                          | 105 | 15 | 8 | 90     | 0    |
| 4                          | 85  | 15 | 8 | 90     | 0    |
| 5                          | 65  | 15 | 8 | 90     | 0    |
| 6                          | 45  | 15 | 8 | 90     | 0    |
| 7                          | 25  | 45 | 8 | 90     | 0    |
| 8                          | 5   | 45 | 8 | 90     | 0    |
| 9                          | 105 | 45 | 8 | 90     | 0    |
| 10                         | 85  | 45 | 8 | 90     | 0    |
| 11                         | 65  | 45 | 8 | 90     | 0    |
| 12                         | 45  | 45 | 8 | 90     | 0    |

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted. Fixture nomenclature noted does not include mounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

