EQUIPMENT LIST FOR AREAS SHOWN

<table>
<thead>
<tr>
<th>Pole</th>
<th>Location</th>
<th>Size</th>
<th>Grade</th>
<th>Elevation</th>
<th>Mounting</th>
<th>Height</th>
<th>LUMINAIRE</th>
<th>QTY</th>
<th>POLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
<td>P2-P3</td>
<td>60'</td>
<td>80'</td>
<td>10'</td>
<td>STL MZ 1500W MZ 5</td>
<td>70'</td>
<td>STL MZ 1500W MZ 5</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>P4</td>
<td>P1, P4</td>
<td>50'</td>
<td>10'</td>
<td>60'</td>
<td>STL MZ 1500W MZ 5</td>
<td>3</td>
<td>STL MZ 1500W MZ 5</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTALS 14 14 0

Carmel Pool Retrof

GRID SUMMARY

Name: Carmel
Spacing: 30.0' Height: 3.0' above grade

ILLUMINATION SUMMARY

Horizontal Footcandles
Scan Average: 0.0677
Maximum: 0.48
Minimum: 0.00
No. of Points: 32

LUMINAIRE INFORMATION

Applied Circuits: A
No. of Luminaires: 14
Total Load: 22.4 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ±3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.
**GRID SUMMARY**

**Name:** Carmel Pool Retrofit

**Location:** Carmel, CA

**Tree Property Line Spill**

**Spacing:** 30.0’

**Height:** 3.0’ above grade

---

**ILLUMINATION SUMMARY**

**MAX VERTICAL FOOTCANDLES**

**Enire Grid**

- **Scan Average:** 0.1664
- **Maximum:** 0.92
- **Minimum:** 0.01
- **No. of Points:** 32

---

**LUMINAIRE INFORMATION**

- **Applied Circuits:** A
- **No. of Luminaires:** 14
- **Total Load:** 22.4 kW

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document.

**Field Measurements:** Individual field measurements may vary from computer calculated predictions and should be taken in accordance with E52A-RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the “Musco Control System Summary” for electrical sizing.

**Installation Requirements:** Results assume ±3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.
**Carmel Pool Retrofit**

**GRID SUMMARY**

- **Name:** Carmel, CA
- **Spacing:** 30.0'  
- **Height:** 3.0' above grade

**ILLUMINATION SUMMARY**

- **Candela (Per Fixture):**
  - **Scan Average:** 2932.1853
  - **Maximum:** 10419.38
  - **Minimum:** 480.81
  - **No. of Points:** 32

**LUMINAIRE INFORMATION**

- **Applied Circuits:** A
- **No. of Luminaires:** 14
- **Total Load:** 22.4 kW

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document.

**Field Measurements:** Individual field measurements may vary from computer calculated predictions and should be taken in accordance with IESNA RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.
Carmel Pool Retrofit
Carmel, CA

GRID SUMMARY

Name: Tree Property Line Spill
Spacing: 30.0’
Height: -12.0’ above grade

ILLUMINATION SUMMARY

HORIZONTAL FOOTCANDLES

Scan Average: 0.1473
Minimum: 0.00
Maximum: 1.01
No. of Points: 32

LUMINAIRE INFORMATION

Applied Circuits: A
No. of Luminaires: 14
Total Load: 22.4 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ±3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.
ILLUMINATION SUMMARY

Pole Location(s): Dimensions are relative to 0,0 reference point(s)

Name: -15th Tree Property Line Spill
Spacing: 30.0'
Height: -12.0' above grade

GRID SUMMARY

No. of Luminaires: 14
Total Load: 22.4 kW
Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.
Field Measurements: Individual field measurements may vary from computer calculated predictions and should be taken in accordance with IESNA RP-6-15.
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.
Installation Requirements: Results assume ±3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

LUMINAIRE INFORMATION

Applied Circuits: A
No. of Luminaires: 14
Total Load: 22.4 kW
Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.
Field Measurements: Individual field measurements may vary from computer calculated predictions and should be taken in accordance with IESNA RP-6-15.
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.
Installation Requirements: Results assume ±3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

<table>
<thead>
<tr>
<th>QTY</th>
<th>LOCATION</th>
<th>SIZE</th>
<th>GRADE</th>
<th>ELEVATION</th>
<th>MOUNTING</th>
<th>HEIGHT</th>
<th>LUMINAIRE TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>P1, P4</td>
<td>50'</td>
<td>10'</td>
<td>60'</td>
<td>STL</td>
<td>1500W</td>
<td>MZ 5</td>
</tr>
<tr>
<td>2</td>
<td>P2-P3</td>
<td>70'</td>
<td>10'</td>
<td>80'</td>
<td>STL</td>
<td>1500W</td>
<td>MZ 5</td>
</tr>
</tbody>
</table>

TOTALS

14
14
0

Carmel Pool Retrofit
Carmel, CA
EQUIPMENT LIST FOR AREAS SHOWN

<table>
<thead>
<tr>
<th>Pole</th>
<th>Location</th>
<th>QTY</th>
<th>Location</th>
<th>Size</th>
<th>Grade</th>
<th>Elevation</th>
<th>Mounting</th>
<th>Height</th>
<th>LUMINAIRE TYPE</th>
<th>QTY / POLE</th>
<th>OTHER GRIDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>P1, P4</td>
<td>3</td>
<td>P1, P4</td>
<td>50'</td>
<td>10'</td>
<td>60'</td>
<td>STL MZ 1500W MZ 5</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>P2-P3</td>
<td>4</td>
<td>P2-P3</td>
<td>70'</td>
<td>10'</td>
<td>80'</td>
<td>STL MZ 1500W MZ 5</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14</td>
<td>14</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

GRID SUMMARY
Name: Carmel Pool Retrofit
City: Carmel, CA
GRID SUMMARY

Name: Tree Property Line Spill
Spacing: 30.0'
Height: -12.0' above grade

ILLUMINATION SUMMARY

CANDELA (PER FIXTURE)

Scan Average: 5911.5938
Maximum: 21745.74
Minimum: 665.65
No. of Points: 32

GUARANTEED PERFORMANCE
The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.
Pool

GUARANTEED PERFORMANCE

Green Generation Lighting

MuscO

ILLUMINATION SUMMARY

CONSTANT ILLUMINATION

- Avg luminaire: 134.000
- Rated lamp life: 5000 hours
- Luminaire Type: Siren Generation

- Values given at 3.0% above grade
- Grid spacing = 10.0 x 10.0
- Size: 13.0 x 7.7

- Camera CA
- Camera HS Pool