Responses

Lighting Comments

“When Security Is An Issue”

- 11 possible reasons
- Generally based on the existence of security issues, physical signs of antisocial behavior, or high profile or secure properties
- Parking lots 3 fc – 5 fc near stores
- Other hardscape 0.6 fc – 1 fc
- Gas Pump 6 fc; sidewalks/grounds 3 fc

Zone 4 Parking Model

- Standard: 0.19 w/sf (IESNA Target 3.00 fc)
- Luminaire: Average performance shoebox
- Results of Models
  - 400W HPS, LLF =.75 E_m=**5.36** fc, 2.6:1 Avg/min, 0.11 w/sf
  - 400W MH Probe start, LLF=.50, E_m=**3.00** fc, 2.6:1 Avg/min, 0.11 w/sf
  - 400W MH Probe start, LLF=.65, E_m=**3.84** fc, 2.6:1 Avg/min, 0.11 w/sf

Zone 4 Parking Model

- Standard: 0.19 w/sf
- Theoretical Maximum Light Levels
  - 750W HPS, LLF =.75 E_m=**11.26** fc, 2.6:1 Avg/min, 0.19 w/sf
  - 750W MH Pulse start, LLF=.65, E_m=**7.02** fc, 2.6:1 Avg/min, 0.19 w/sf
- G-1-03 Parking Lot 3 fc Avg/min 4:1 or less

Zone 3 Parking Model

- Standard: 0.10 w/sf (IESNA target 1.5 fc)
- Luminaire: Average performance shoebox
- Results of Models
  - 250W HPS, LLF =.75 E_m=**3.46 fc**, 2.6:1 Avg/min, 0.07 w/sf
  - 250W MH Probe start, LLF=.50, E_m=**1.81 fc**, 2.8:1 Avg/min, 0.07 w/sf
  - 250W MH Pulse start, LLF=.65, E_m=**2.35** fc, 2.6:1 Avg/min, 0.07 w/sf

Zone 3 Parking Model

- Standard: 0.10 w/sf
- Theoretical Maximum Light Levels
  - 250W HPS, LLF =.75 E_m=**4.94** fc, 2.6:1 Avg/min, 0.10 w/sf
  - 250W MH Probe start, LLF=.50, E_m=**2.58** fc, 2.8:1 Avg/min, 0.10 w/sf
  - 250W MH Pulse start, LLF=.65, E_m=**3.35** fc, 2.6:1 Avg/min, 0.10 w/sf
- G-1-03 Parking Lot 3 fc Avg/min. 4:1 or less

Walkways

G-1-03 0.6-1 fc

- LZ1 average E=0.72 PSMH 0.81 HPS @.05 w/sf
- LZ2 average E=1.09 PSMH 1.22 HPS @.08 w/sf
- LZ3 average E=1.27 PSMH 1.47 HPS @.10 w/sf
- LZ4 average E=1.94 PSMH 2.18 HPS @.20 w/sf