Lamp Lumen Depreciation Factor, LLD	0.90*
Luminaire Dirt Depreciation Factor, LDD	0.87
Percent of Voltage Drop Permitted	10%
Pole Height	40 ft
Lamp Size	150 W, HPS (Underpass) 250 W or 400 W, HPS (Conventional) 1000 W, HPS (High-Mast)

* For High Pressure Sodium Lamps only. For Solid State Light Sources the LLD should be as given by the manufacturer.

LIGHTING DESIGN PARAMETERS

Figure 502-4D

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Lamp Wattage, Type	Line Voltage		
	120	240	480
250 W, MV	2.7	1.4	0.7
400 W, MV	4.2	2.1	1.1
150 W, HPS	1.7	0.9	0.5
250 W, HPS	2.9	1.4	0.7
400 W, HPS	3.9	2.0	1.0
1000 W, HPS	9.0	5.0	2.5

MV luminaire information is for information only.

DESIGN AMPERAGES FOR VARIOUS HPS LUMINAIRES

Figure 502-4P

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Estimated Mounting Height, EMH (ft)	Lumens (HPS Light Source)	Number of Luminaires
100	400,000	4
105 ≤ EMH ≤ 120	600,000	4 or 6
125 ≤ EMH ≤ 150	800,000	6 or 8
155 ≤ EMH ≤ 200	1,600,000	6, 8, 10, or 12

NUMBER OF LUMINAIRES FOR
HIGH-MAST TOWER

Figure 502-4S

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