

## Typical Parking Garage Section

Fixture Spacing: 20' x 30' Fixture Height: 8' Reflectances: 35% Ceiling 35% Walls 20% Floor

> 15.8 14.3 14.B 15.8 15.8 14.3 14.B 15.8 15.8 14.3 17.0 17.p 19.1 19.1 17.0 17.p 19.1 19.1 17.0 19.2 19.2 **1**4.6 **1**6.2 **1**6.2 **1**4.6 **1**4.6 **1**6.2 **1**6.2 **1**4.6 **1**4.6 **1**6.2 **1**6.2 **1**4.6 10.6 12.4 12.4 10.6 10.6 12.4 12.4 10.6 12.4 10.6 12.4 10.6 10.6 12.4 12.4 10.6 10.6 12.4 12.4 10.6 10.6 12.4 10.6

## Floor Horizontal Calculation

192 **1**70 **1**70 **1**92 **1**92 **1**70 **1**70 **1**91 **1**91 **1**70 **1**70 **1**92 + + + 14.B 15.8 15.B 14.3 14.B 15.8 15.B 14.3 14.B 15.8 14.3 14.B 15.8 14.3 10.4 20ft ----->

Luminaire Schedule								
Symbol	Description	Lum. Lumens	Lum. Watts	LER	LLD	LLF		
4	CPG-LED-10L-CA-W-40	9830	79.57	124	0.900	0.900		

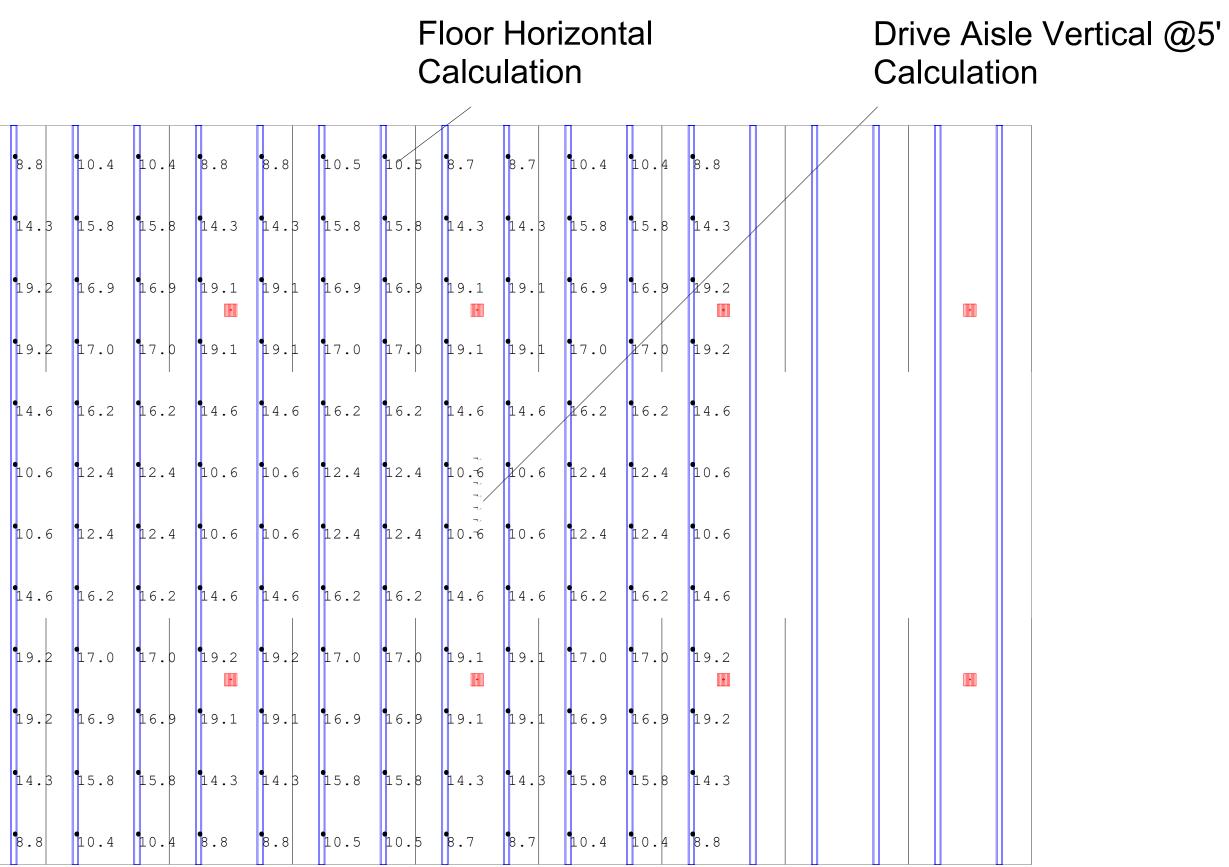
Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Horizontal at Grade	Illuminance	Fc	14.61	19.2	8.7	1.68	2.21
Vertical at 5 Feet (Height of Eye)	Illuminance	Fc	1.93	2.0	1.9	1.02	1.05

Fixtures mounted even with bottom of tees.



60Ft

30F



Х		Luminaire Location Summary							
Λ	Y	Z	Orient	Tilt					
25	15	8	90	0					
5	15	8	90	0					
105	15	8	90	0					
85	15	8	90	0					
65	15	8	90	0					
45	15	8	90	0					
25	45	8	90	0					
5	45	8	90	0					
105	45	8	90	0					
85	45	8	90	0					
65	45	8	90	0					
45	45	8	90	0					
	5 105 35 55 15 25 5 105 35 55	5 15   105 15   35 15   35 15   45 15   25 45   5 45   105 45   35 45   35 45   35 45   35 45	515810515835158351584515825458545810545835458	5158901051589035158903515890451589025458905458901054589035458903545890					



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.