

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
250W LUMINAIRE PERFORMANCE TABLE**

**GIVEN CONDITIONS**

<b>ROADWAY DATA:</b>	Pavement Width	<u>24 FT</u>
	Number Of Lanes (In Direction of Travel)	<u>2</u>
	Median Width	<u>N/A</u>
	IES Surface Classification	<u>R3</u>
	Q-Zero Value	<u>.07</u>
<b>LIGHT POLE DATA:</b>	Mounting Height	<u>45 FT</u>
	Mast Arm Length	<u>N/A</u>
	Pole Set-Back From Edge Of Pavement	<u>15 FT</u>
<b>LUMINAIRE DATA:</b>	Lamp Type	<u>HPS</u>
	Lamp Lumens	<u>28500</u>
	IES Vertical Distribution	<u>M</u>
	IES Control Of Distribution	<u>FC</u>
	IES Lateral Distribution	<u>3</u>
	Total Light Loss Factor	<u>0.684</u>
<b>LAYOUT DATA:</b>	Spacing	<u>160 FT</u>
	Configuration	<u>Single Side</u>
	Luminaire Overhang Over Edge Of Pavement Lane	<u>0 FT</u>

**NOTE:** Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

**PERFORMANCE REQUIREMENTS**

**NOTE:** These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

<b>ILLUMINATION:</b>	Average Horizontal Illumination, ( $E_{Ave}$ )	<u>0.9 Fc</u>
	Uniformity Ratio, ( $E_{Ave}/E_{Min}$ )	<u>3.0</u>
<b>LUMINANCE:</b>	Average Luminance: ( $L_{Ave}$ )	<u>0.6 Cd/m<sup>2</sup></u>
	Uniformity Ratios: ( $L_{Ave}/L_{Min}$ )	<u>3.5</u>
	( $L_{Max}/L_{Min}$ )	<u>6.0</u>
	Maximum Veiling Luminance Ratio: ( $L_v/L_{Ave}$ )	<u>0.30</u>

FILE NAME *	USER NAME * sparkag*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LIGHTING PLANS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw\work\pido\sparkag\ld8333842\06	xx-shl-gannate.dgn	DRAWN -	REVISED -			502	53L	ADAMS	12	11	
	PLOT SCALE * 40.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 72G03		ILLINOIS FED. AID PROJECT			
Default	PLOT DATE * May-22-2013 11:58:24M	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.