

F.A.I. PROJECT NO.	CONTRACT NO.	COUNTY	TOTAL SHEETS	SHEET NO.
57/64	*	JEFFERSON	518	231A

*(41-3)HBK

MAINLINE
ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE

1/1/03

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	24	FT	
	Number Of Lanes	2		
	Median Width	94	FT	
	IES Surface Classification	R3		
Q-Zero Value				.07
LIGHT POLE DATA:	Mounting Height	50	FT	
	Mast Arm Length	15	FT	
	Pole Set-Back From Edge Of Pavement	18	FT	
LUMINAIRE DATA:	Lamp Type	HPS		
	Lamp Lumens	50000		
	IES Vertical Distribution	M		
	IES Control Of Distribution	C		
	IES Lateral Distribution	3		
	Total Light Loss Factor	0.684		
LAYOUT DATA:	Spacing	300	FT	
	Configuration	OPP		
	Luminaire Overhang Over Edge Of Pavement Lane	-3	FT	

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.

ILLUMINATION:	Average Horizontal Illumination, (E_{Avg})	0.6	fc	
	Uniformity Ratio, (E_{Avg}/E_{Min})	3.0		
LUMINANCE:	Average Luminance: (L_{Avg})	0.4	Cd/m ²	
	Uniformity Ratios: (L_{Avg}/L_{Min})	3.5		
		(L_{Max}/L_{Min})	6.0	
	Maximum Veiling Luminance Ratio: (L_v/L_{Avg})	0.3		

RAMPS
ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE

1/1/03

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	16	FT	
	Number Of Lanes	1		
	Median Width	N/A	FT	
	IES Surface Classification	R3		
Q-Zero Value				.07
LIGHT POLE DATA:	Mounting Height	50	FT	
	Mast Arm Length	15	FT	
	Pole Set-Back From Edge Of Pavement	18	FT	
LUMINAIRE DATA:	Lamp Type	HPS		
	Lamp Lumens	50000		
	IES Vertical Distribution	M		
	IES Control Of Distribution	C		
	IES Lateral Distribution	3		
	Total Light Loss Factor	0.684		
LAYOUT DATA:	Spacing	285	FT	
	Configuration	1 Side		
	Luminaire Overhang Over Edge Of Pavement Lane	-3	FT	

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.

ILLUMINATION:	Average Horizontal Illumination, (E_{Avg})	0.6	fc	
	Uniformity Ratio, (E_{Avg}/E_{Min})	3.0		
LUMINANCE:	Average Luminance: (L_{Avg})	0.4	Cd/m ²	
	Uniformity Ratios: (L_{Avg}/L_{Min})	3.5		
		(L_{Max}/L_{Min})	6.0	
	Maximum Veiling Luminance Ratio: (L_v/L_{Avg})	0.3		

LUMINAIRE PERFORMANCE TABLES

F.A.I. ROUTE 57/64
SECTION (41-3)HBK
JEFFERSON COUNTY