

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
67	S(RS-5,TS-7),L	SANGAMON	78	41
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE

1/1/03

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	24	FT
	Number Of Lanes	2	
	Median Width	20	FT
	IES Surface Classification	R3	
	0-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	51000	
	IES Vertical Distribution	M	
	IES Control Of Distribution	C	
	IES Lateral Distribution	3	
	Total Light Loss Factor	.684	
LAYOUT DATA:	Spacing	330	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 _{ave})	9.0	Lux
	Uniformity Ratio, (E _{ave} /E _{min})	3.0	
LUMINANCE:	Average Luminance: (L _{ave})	0.6	Cd/m ²
	Uniformity Ratios: (L _{ave} /L _{min})	3.5	
	(L _{max} /L _{min})	6.0	
	Maximum Veiling Luminance Ratio: (L/L _{ave})	0.3	

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE

1/1/03

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	24	FT
	Number Of Lanes	2	
	Median Width	20	FT
	IES Surface Classification	R3	
	0-Zero Value	.07	
LIGHT POLE DATA:	Mounting Height	45	FT
	Mast Arm Length	15	FT
	Pole Set-Back From Edge Of Pavement	18	FT
LUMINAIRE DATA:	Lamp Type	HPS	
	Lamp Lumens	28000	
	IES Vertical Distribution	M	
	IES Control Of Distribution	C	
	IES Lateral Distribution	3	
	Total Light Loss Factor	.684	
LAYOUT DATA:	Spacing	240	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 _{ave})	9.0	Lux
	Uniformity Ratio, (E _{ave} /E _{min})	3.0	
LUMINANCE:	Average Luminance: (L _{ave})	0.6	Cd/m ²
	Uniformity Ratios: (L _{ave} /L _{min})	3.5	
	(L _{max} /L _{min})	6.0	
	Maximum Veiling Luminance Ratio: (L/L _{ave})	0.3	

PLOT DATE = \$DATE\$
FILE NAME = \$FILEL\$
PLOT SCALE = \$SCALE\$
USER NAME = \$USER\$

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IDOT LUMINAIRE
PERFORMANCE TABLES
FAP 67 (IL 97/ JEFFERSON ST)
SECTION S(RS-5, TS-7), L
SANGAMON COUNTY

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
DATE