## ILLINOIS DEPARTMENT OF TRANSPORTATION LUMINAIRE PERFORMANCE TABLE - PROPOSED LIGHTING

#### **GIVEN CONDITIONS**

ROADWAY DATA:	Pavement Width	36 FT
	Number Of Lanes	3
	Median Width	40 FT
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	48 FT
	Mast Arm Length	8 FT
	Pole Set-Back From Edge Of Pavement	20 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	50000
	IES Vertical Distribution	М
	IES Control Of Distribution	FC
	IES Lateral Distribution	3
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	270 FT
	Configuration	Median
	Luminaire Overhang Over Edge	
	Of Pavement Lane	-12 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 Uniformity Ratio, (	0.90 3.0	fc	
LUMINANCE:	Average Luminance Uniformity Ratios:	: (L <sub>Ave</sub> ) (L <sub>Ave</sub> /L <sub>Min</sub> )	0.60 3.5	Cd/m²
	onnormity teatios.	(L <sub>Max</sub> /L <sub>Min</sub> )	6.0	<del></del> ;
	Maximum Veiling			
	Luminance Ratio:	(L <sub>V</sub> /L <sub>Ave</sub> )	0.3	

# ILLINOIS DEPARTMENT OF TRANSPORTATION LUMINAIRE PERFORMANCE TABLE - TEMPORARY LIGHTING

### **GIVEN CONDITIONS**

ROADWAY DATA:	Pavement Width Number Of Lanes Median Width IES Surface Classification	24 FT 2 FT R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	45 FT
	Mast Arm Length	FT
	Pole Set-Back From Edge Of Pavement	30 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	28000
	IES Vertical Distribution	М
	IES Control Of Distribution	NC
	IES Lateral Distribution	3
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	240 FT
and the commentation of th	Configuration	One Side
	Luminaire Overhang Over Edge	
	Of Pavement Lane	-30 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 Uniformity Ratio, (		0.60 3.0	fc
LUMINANCE:	Average Luminanc Uniformity Ratios:	e: (L <sub>Ave</sub> ) (L <sub>Ave</sub> /L <sub>Min</sub> ) (L <sub>Max</sub> /L <sub>Min</sub> )	0.40 3.5 6.0	Cd/m <sup>2</sup>
	Maximum Veiling Luminance Ratio:	(L <sub>V</sub> /L <sub>Ave</sub> )	0.4	

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FILE NAME =	USER NAME = paul	DESIGNED -	VG	REVISED	-	
S <sub>1</sub> \Projects\403~00072_57~70\dgn\ML_Keller\lightlng det	Bl.dgn	DRAWN -	PDB	REVISED	-	
	PLOT SCALE = 40.0000 '/ IN.	CHECKED -	BRM	REVISED	-	
	PLOT DATE = 3/18/2011	DATE -	8-5-10	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE

HOUSING DETAILS DEPENDANCE TABLES					F.A.I RTE.	SECTION			COUNTY	TOTAL	SHEET NO.			
LIGHTING DETAILS PERFORMANCE TABLES						57/70		(25-	·3,4)R		EFFINGHAM	1098	328	
												CONTRAC	T NO.	74299
SHEET	NO. 30 OF	34	SHEETS	STA.	TO STA.		FED. RO	DAD DIST.	NO.	ILLINOIS	FED.	AID PROJECT		