

ILLINOIS DEPARTMENT OF TRANSPORTATION
250W LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS

ROADWAY DATA:	PAVEMENT WIDTH	48 FT
	NUMBER OF LANES (IN DIRECTION OF TRAVEL)	4
	MEDIAN WIDTH	N/A
	IES SURFACE CLASSIFICATION	R3
	Q-ZERO VALUE	0.07
LIGHT POLE DATA:	MOUNTING HEIGHT	45 FT
	MAST ARM LENGTH	N/A
	POLE SET-BACK FROM EDGE OF PAVEMENT	30 FT
LUMINAIRE DATA:	LAMP TYPE	HPS
	LAMP LUMENS	28500
	IES VERTICAL DISTRIBUTION	L
	IES CONTROL OF DISTRIBUTION	NC
	IES LATERAL DISTRIBUTION	4
	TOTAL LIGHT LOSS FACTOR	0.684
LAYOUT DATA:	SPACING	130 FT
	CONFIGURATION	SINGLE 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 ILLUMINATION (E_{AVE})	0.9 Fc
	UNIFORMITY RATIO, (E_{AVE}/E_{MIN})	3.0
LUMINANCE:	AVERAGE LUMINANCE (L_{AVE})	0.6 cd/m ²
	UNIFORMITY RATIO, (L_{AVE}/L_{MIN})	3.5
	(L_{MAX}/L_{MIN})	6.0
	MAXIMUM VEILING	
	LUMINANCE RATIO: (L_v/L_{AVE})	0.3

FILE NAME =	USER NAME = pose1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LUMINAIRE PERFORMANCE TABLE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\work\pwr\dot\pose1\031548\78330-ht-plan.dgn		DRAWN -	REVISED -			331	(3-2.8X-1,4-2H-1)	SALTINE	8	8	
#MODELNAME#	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 78330					
	PLOT DATE = 10/4/2012	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET	OF	SHEETS	STA. TO STA.	