

**TEMPORARY LIGHTING
IDOT LUMINAIRE PERFORMANCE TABLE
I-57/IL-50 INTERCHANGE RECONSTRUCTION**

RAMPS

ROADWAY DATA	PAVEMENT WIDTH	16 FT
	NUMBER OF LANES	1
	MEDIAN WIDTH	N/A
	IES SURFACE CLASSIFICATION	R3
	Q ZERO VALUE	0.07
LIGHT POLE DATA	MOUNTING HEIGHT	50 FT
	MAST ARM LENGTH	15 FT
	POLE SET-BACK FROM EDGE OF PAVEMENT	20 FT
LUMINAIRE DATA	LAMP TYPE	HPS
	LAMP LUMENS	51000
	IES VERTICAL DISTRIBUTION	MEDIUM
	IES CONTROL OF DISTRIBUTION	FULL CUTOFF
	IES LATERAL DISTRIBUTION	TYPE III
	TOTAL LIGHT LOSS FACTOR	0.7
LAYOUT DATA	SPACING	220 FT
	CONFIGURATION	STAGGERED
	LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LANE	N/A

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 ACCEPTANCE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON THE GIVEN CONDITIONS LISTED.

ILLUMINATION	AVERAGE HORIZONTAL ILLUMINATION - E_{avg}	0.6FC
	UNIFORMITY RATIO - E_{avg}/E_{min}	3.00
LUMINANCE	AVERAGE LUMINANCE - L_{avg}	0.4 Cd/m ²
	UNIFORMITY RATIOS - L_{avg}/L_{min}	3.5
	UNIFORMITY RATIOS - L_{max}/L_{min}	6.0
	MAXIMUM VEILING LUMINANCE RATIO - L_{vmax}/L_{avg}	0.3

FILE NAME = g:\zd40403\LI-18.dgn	USER NAME = kkhon	DESIGNED - HS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IDOT LUMINAIRE PERFORMANCE TABLE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = NONE	DRAWN - KK	REVISED -			57	(46-2) I, HBR, VBR	KANKAKEE	558	265
PLOT DATE = 12/17/2010	CHECKED - HS	DATE - 12-17-2010	REVISED -	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			
						CONTRACT NO. 66409				