F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
55	*	MCLEAN	310	121N
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (57-4)R, HBY, HBR, (57-4VB)DM
CONTRACT #70757

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE - LINDEN ST. BIKEPATH LIGHTING

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	3.1 m	
	Number Of Lanes	1	
	Median Width	-	m
	IES Surface Classification	R3	
	Q-Zero Value	.07	
LIGHT POLE DATA:	Mounting Height	4.8 m	
	Mast Arm Length	-	m
	Pole Set-Back From Edge Of Pavement	0.6 m	
LUMINAIRE DATA:	Lamp Type	HPS	
	Lamp Lumens	16000	
	IES Vertical Distribution	M	
	IES Control Of Distribution	C	
	IES Lateral Distribution	II	
	Total Light Loss Factor	0.684	
LAYOUT DATA:	Spacing	12.2 m	
	Configuration	ONE SIDE	
	Luminaire Overhang Over Edge Of Pavement Lane	-0.6 m	

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})	40	Lux
	Uniformity Ratio, (E_{Ave}/E_{Min})	3.0	
LUMINANCE:	Average Luminance: (L_{Ave})	-	Cd/m^2
	Uniformity Ratios: (L_{Ave}/L_{Min})	-	
	(L_{Max}/L_{Min})	-	
	Maximum Veiling Luminance Ratio:(L_v/L_{Ave})	-	

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE - LINDEN ST. UNDERPASS LIGHTING

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	7.3 m	
	Number Of Lanes	2	
	Median Width	-	m
	IES Surface Classification	R3	
	Q-Zero Value	.07	
LIGHT POLE DATA:	Mounting Height	5.5 m	
	Mast Arm Length	-	m
	Pole Set-Back From Edge Of Pavement	4.8 m	
LUMINAIRE DATA:	Lamp Type	HPS	
	Lamp Lumens	16000	
	IES Vertical Distribution	M	
	IES Control Of Distribution	C	
	IES Lateral Distribution	IV	
	Total Light Loss Factor	0.684	
LAYOUT DATA:	Spacing	21.3 m	
	Configuration	OPP	
	Luminaire Overhang Over Edge Of Pavement Lane	-4.8 m	

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})	13	Lux
	Uniformity Ratio, (E_{Ave}/E_{Min})	3.0	
LUMINANCE:	Average Luminance: (L_{Ave})	0.90	Cd/m^2
	Uniformity Ratios: (L_{Ave}/L_{Min})	3.0	
	(L_{Max}/L_{Min})	5.0	
	Maximum Veiling Luminance Ratio:(L_v/L_{Ave})	0.30	

LAYOUT	JJH	
DRAWN	JJH	
REVIEWED	DLH	03/18/04

10/6/2009
#FILE#

LUMINAIRES PERFORMANCE TABLES

REVISIONS	
NAME	DATE

JOB NO. 94S2063

DATE 10/6/2009