

ILLINOIS DEPARTMENT OF TRANSPORTATION
250W LUMINAIRE PERFORMANCE TABLE

1/1/03

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	24 FT
	Number Of Lanes <i>(in direction of travel)</i>	2
	Median Width	N/A
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	45 FT
	Mast Arm Length	15 FT
	Pole Set-Back From Edge Of Pavement	15 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	28,500
	IES Vertical Distribution	M
	IES Control Of Distribution	FC
	IES Lateral Distribution	3
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	160 FT
	Configuration	Single Sided
	Luminaire Overhang Over Edge Of Pavement Lane	0 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 Ratios: (L_{AVE}/L_{MIN})	3.5
	(L_{MAX}/L_{MIN})	6.0
	Maximum Veiling Luminance Ratio: (L_v/L_{AVE})	0.30

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ILLINOIS DEPARTMENT OF TRANSPORTATION
400W LUMINAIRE PERFORMANCE TABLE

1/1/03

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	24 FT
	Number Of Lanes	2
	Median Width	25 FT
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	50 FT
	Mast Arm Length	15 FT
	Pole Set-Back From Edge Of Pavement	15 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	50,000
	IES Vertical Distribution	M
	IES Control Of Distribution	FC
	IES Lateral Distribution	3
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	180 FT
	Configuration	Opposite
	Luminaire Overhang Over Edge Of Pavement Lane	0 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})	1.8 fc
	Uniformity Ratio, (E_{AVE}/E_{MIN})	3.0
LUMINANCE:	Average Luminance: (L_{AVE})	0.9 Cd/m^2
	Uniformity Ratios: (L_{AVE}/L_{MIN})	3.5
	(L_{MAX}/L_{MIN})	6.0
	Maximum Veiling Luminance Ratio: (L_v/L_{AVE})	0.30

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Rev.