ILLINOIS DEPARTMENT OF TRANSPORTATION LUMINAIRE PERFORMANCE TABLE

I-70 IL RELOCATED RTE 3 INTERCHANGE POLE MOUNTED LUMINAIRES

GIVEN CONDITIONS

16 FT ROADWAY DATA: Pavement Width (Ramps) Number of Lanes (Ramps) Median Width IES Surface Classification N/A R3 0.07 Q-Zero Value LIGHT POLE DATA: Mounting Height
Pole Set-Back from Edge of Pavement
Alming Angle 45 FT 20 FT 15 FT Arm Length Lamp Type Lamp Lumens IES Vertical Distribution IES Control Distribution LUMINAIRE DATA: 28000 3 (111) IES Lateral Distribution Total Light Loss Factor 0.7 LAYOUT DATA: Spacing 200 FT SINGLE SIDED Configuration
Luminaire Overhang Over Edge
of Pavement Lane -5 FT

NOTE: Variations from the above specified IES distribution pattern may be requested and accepted 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}) Uniformity Ratio, (E _{Ave} /E _{Min})		0.6 FC 3.0
LUMINANCE:	Average Luminance: Uniformity Ratios:	(Lave) (Lave/Lmin) (Lmax/Lmin)	0.4 3.5 6.0
	Maximum Veiling Luminance Ratio:	(Ly/Lave)	0.3

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ABNA ENGINEERING INC.
PROFESSIONAL ENGINEERS
EAST ST. LOUIS, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
1-70 CONNECTION

LUMINAIRE PERFORMANCE TABLES

SCALE:

SHEET NO. 1 OF 1 SHEETS STA. TO STA. FED. ROAD DIST. NO. | ILLINOIS| FED. AIG