

ILLINOIS DEPARTMENT OF TRANSPORTATION
400W HORIZONTAL MOUNT LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS

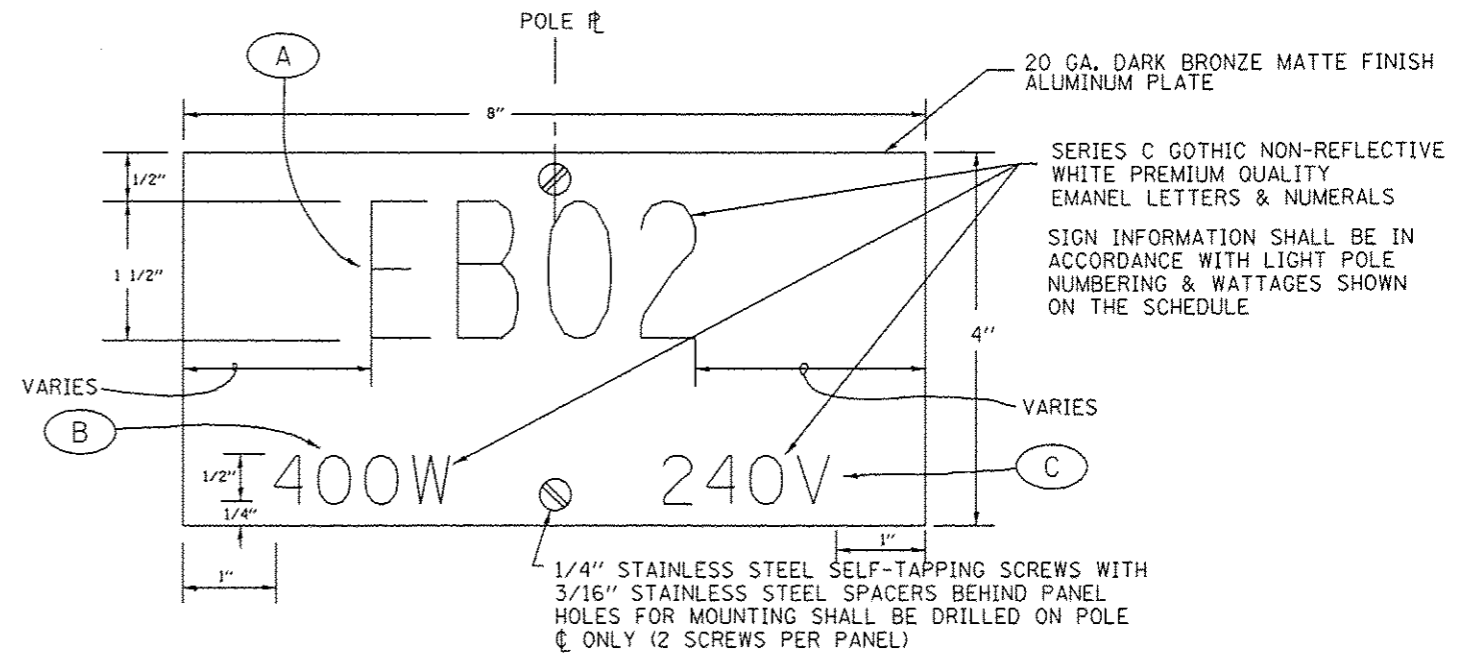
ROADWAY DATA:	Pavement Width	16 FT
	Number Of Lanes (In Direction Of Travel)	1
	Median Width	N/A
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	50 FT
	Most Arm Length	15 FT
	Pole Set-Back From Edge Of Pavement	30 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	50000
	IES Vertical Distribution	M
	IES Control of Distribution	FC
	IES Lateral Distribution	2
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	280 FT
	Configuration	One Side
	Luminaire Overhang Over Edge Of Pavement Lane	-15 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, (EAve)	0.60 fc
	Uniformity Ratio, (EAve/EMin)	3.0
LUMINANCE:	Average Luminance, (LAve)	0.40 Cd/m ²
	Uniformity Ratios: (LAve/LMin)	3.5
	(LMax/LMin)	6.0
	Maximum Velling Luminance Ratio: (Lv/LAve)	0.3



TYPICAL POLE IDENTIFICATION SIGN PANEL
(NOT TO SCALE)

SCHEDULE OF LIGHT TOWER & LIGHT POLE IDENTIFICATION SIGN PANELS

MESSAGE AREA					
(A)	(B)	(C)	(A)	(B)	(C)
EB 1	8-X-400W	240V	WB 1	8-X-400W	240V
EB 2	400 W	240V	WB 2	400 W	240V
EB 3	400 W	240V	WB 3	400 W	240V
EB 4	400 W	240V	WB 4	400 W	240V
EB 5	400 W	240V	WB 5	400 W	240V
EB 6	400 W	240V	WB 6	400 W	240V
EB 7	400 W	240V	WB 7	400 W	240V
EB 8	400 W	240V	WB 8	400 W	240V
			WB 9	400 W	240V
			WB 10	400 W	240V
			WB 11	400 W	240V

POLE IDENTIFICATION SIGN PANEL DETAILS