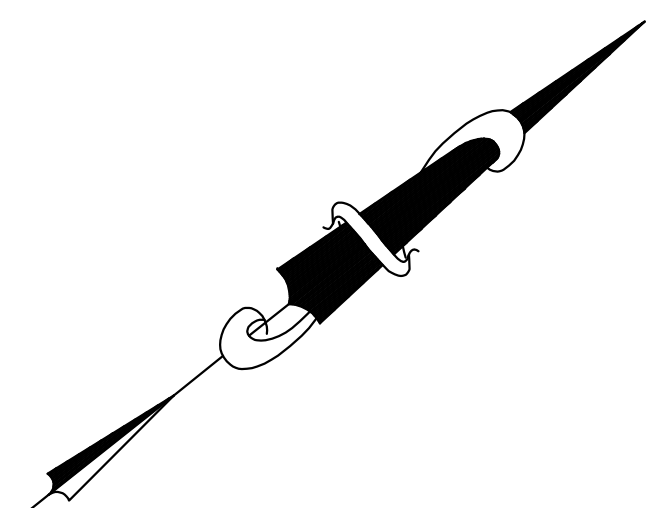


CALCULATED HORIZONTAL INITIAL ILLUMINANCE LEVELS INDICATED AT GRADE
 EXISTING HIGH MAST LIGHTING POLES CALCULATED WITH SINGLE HIGH PRESSURE SODIUM LUMINAIRE ONLY
 REPRESENTING NON-WORKING HOURS AFTER DARK.

CALCULATED LIGHTING RESULTS:
 PARKING LOT:
 AVERAGE: 1.5 FOOTCANDLES
 MAXIMUM: 4.7 FOOTCANDLES
 MINIMUM: 0.3 FOOTCANDLES
 AVERAGE-TO-MINIMUM UNIFORMITY RATIO: 4.9 : 1
 MAXIMUM-TO-MINIMUM UNIFORMITY RATIO: 15.7 : 1
 ENTRANCE:
 AVERAGE: 2.4 FOOTCANDLES
 MAXIMUM: 4.7 FOOTCANDLES
 MINIMUM: 1.0 FOOTCANDLES
 AVERAGE-TO-MINIMUM UNIFORMITY RATIO: 2.4 : 1
 MAXIMUM-TO-MINIMUM UNIFORMITY RATIO: 4.7 : 1

SITE LIGHTING ILLUMINANCE CALCULATION PLAN

SCALE: 1" = 20'-0"



PRELIMINARY
 NOT FOR CONSTRUCTION

Bartlett Design
 LIGHTING & ELECTRICAL ENGINEERING
 942 WASHINGTON STREET, BATH, ME 04630
 TEL. (207) 443-5447

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
2194202		WIN 021942.02	
DATE	BY	PROJ. MGR.	JOEL KITREDGE
7-28-17	LEB	DESIGN-DETAILED	-
-	-	CHECKED-REVIEWED	-
-	-	DESIGN-DETAILED	-
-	-	REVISIONS 1	-
-	-	REVISIONS 2	-
-	-	REVISIONS 3	-
-	-	REVISIONS 4	-
-	-	FIELD CHANGES	-
SIGNATURE	P.E. NUMBER	DATE	-
PORTLAND INTERNATIONAL MARINE TERMINAL MAINTENANCE & OPERATIONS BUILDING CUMBERLAND COUNTY PORTLAND SITE LIGHTING CALCULATION PLAN			
SHEET NUMBER			
E0.1			
OF -			