



JOB NAME: 861 NEW HARWINTON ROAD - TORRINGTON, CT - GAS STATION  
 APEX LIGHTING SOLUTIONS  
 WORKPLANE/CALC PLANE: AT FINISH GRADE  
 MOUNTING HEIGHT: SEE LUMINAIRE SCHEDULE  
 APPS: LED  
 SALES: GB  
 SPECIFIER: BOE STUDIO ARCHITECTS

Luminaire Schedule							
Qty	Label	Arrangement	Lumens	Input Watts	LLF	BUG Rating	Description
9	CD2	Single	5129	55	0.850	N.A.	WE-EF 134-6405 DOC140 [M] 55W 4000K / RECESSED IN GAS STATION CANOPY
3	CD3	Single	3302	42	0.850	N.A.	WE-EF 134-6459 DOC140-FT [M] 37W 4000K / RECESSED IN GAS STATION CANOPY
14	RC1	Single	1289	15	0.850	N.A.	WE-EF 134-6105 DOC110 [VN] 12W 4000K / RECESSED IN BUILDING CANOPY

Calculation Summary						
Label	Grid Height	Avg	Max	Min	Avg/Min	Max/Min
SITE	0	4.93	77.6	0.0	N.A.	N.A.
UNDER GAS CANOPY		38.01	67.0	19.3	1.97	3.47

**GENERAL DISCLAIMER:**  
 Calculations have been performed according to IES standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.  
 \* LLF Determined Using Current Published Lamp Data

**NOTE TO REVIEWER:**  
 Total Light Loss Factor (LLF) applied at time of design is determined by applying the Lamp Lumen Depreciation (LLD) from current lamp manufacturer's catalog, a Luminaire Dirt Depreciation Factor (LDD) based on IES recommended values and a Ballast Factor (BF) from current ballast specification sheets. Application of an incorrect Light Loss Factor (LLF) will result in forecasts of performance that will not accurately depict actual results.  
 For proper comparison of photometric layouts, it is essential that you insist all designers use correct Light Loss Factors.



PROJECT TITLE:  
 GAS STATION  
 861 NEW HARWINTON ROAD  
 TORRINGTON, CT

DRAWING TITLE:  
 SITE LIGHTING  
 PHOTOMETRIC CALCULATION

SCALE: 1"=10'-0"  
 DATE: 9/6/22  
 DRAWN BY: LED  
 SHEET:  
**SL-IG**

**P5**