



JOB NAME: 21 GURLEY RD - STONE RIDGE BUSINESS PARK - WATERFORD, CT
 APEX LIGHTING SOLUTIONS
 WORK PLANE/CALC PLANE: AT FINISH GRADE
 MOUNTING HEIGHT: SEE LUMINAIRE SCHEDULE
 APPX: LED/PD
 SALES: SP
 SPECIFIER: CLA ENGINEERS

Symbol	Qty	Label	Arrangement	Lum. Lumens	Lum. Watts	LLF	Description	[MANUFAC]	Filename
	1	SA3M-H	Single	6707	64.7	0.850	RZR-PLED-BI-M-40LED-525mA-30K-HS-VOLT-1-FINISH, SNTS 204-11-1-FINISH, 30in Concrete Base	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-BI-M-40LED-525mA-30K-HS.ies
	14	SA3W	Single	8563	64.7	0.850	RZR-PLED-BI-W-40LED-525mA-30K-VOLT-1-FINISH, SNTS 204-11-1-FINISH, 30in Concrete Base	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-BI-W-40LED-525mA-30K.ies
	4	SAFT	Single	8338	64.7	0.850	RZR-PLED-IV-FT-40LED-525mA-30K-VOLT-1-FINISH, SNTS 204-11-1-FINISH, 30in Concrete Base	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-IV-FT-40LED-525mA-30K.ies
	10	SAFT-H	Single	6546	64.7	0.850	RZR-PLED-IV-FT-40LED-525mA-30K-HS, SNTS 204-11-1-FINISH, 30in Concrete Base	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-IV-FT-40LED-525mA-30K-HS.ies
	39	WM3H	Single	3243	32.4	0.850	RZR-WMI-PLED-BI-20LED-525mA-WW-VOLT-FINISH-HS-PLED, Wall Mounted 10ft	U.S. ARCHITECTURAL LIGHTING	RZR-WMI-PLED-BI-M-20LED-525mA-30K-HS.ies

Label	CalcType	Units	Avg	Max	Min	AvgMin	MaxMin	Description
Site	illumiance	Fc	0.60	6.4	0.0	N.A.	N.A.	10ft Grid
Building 1 Parking Lot	illumiance	Fc	1.25	4.2	0.3	4.17	14.00	10ft Grid
Building 2 Parking Lots	illumiance	Fc	1.42	4.4	0.3	4.73	14.67	10ft Grid
Buildings 3-6 Parking Lots	illumiance	Fc	1.64	6.4	0.4	4.10	16.00	10ft Grid
Entry Drive East	illumiance	Fc	1.18	2.2	0.3	3.93	7.33	10ft Grid
Entry Drive West	illumiance	Fc	0.91	1.9	0.3	3.03	6.33	10ft Grid

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:
 21 GURLEY RD
 STONE RIDGE BUSINESS PARK
 WATERFORD, CT

DRAWING TITLE:
 SITE LIGHTING
 PHOTOMETRIC CALCULATION

SCALE : 1"=60'-0"
 DATE: 1/13/23
 DRAWN BY: LED/PD
 SHEET:
SL-1