

RECEIVED FOR FILING
 East Haven
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 TOWN CLERK'S OFFICE
 EAST HAVEN, CONN
 Lisa Balter
 TOWN CLERK



JOB NAME: THE BLUFFS - 31 & 100 SPERRY LAND AND 161 FOXON RD - EAST HAVEN, CT
 APEX LIGHTING SOLUTIONS
 WORKPLANE/CALC PLANE: AT FINISH GRADE
 MOUNTING HEIGHT: SEE LUMINAIRE SCHEDULE
 APPS: LEDPD
 SALES: SP
 SPECIFIER: SLR CONSULTING

Symbol	Qty	Label	Arrangement	Lum. Lumens	Lum. Watts	LLF	Description	[MANUFAC]	Filename
[Symbol]	29	SA2	Single	11518	86.8	0.850	RZR-PLED-8-40LED-700mA-30K-VOLT-1-FINISH, SNTS 255 - 11-FINISH	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-8-40LED-700mA-30K.les
[Symbol]	4	SAFT-H	Single	8423	86.8	0.850	RZR-PLED-8-40LED-700mA-30K-HS-VOLT-1-FINISH, SNTS 255 - 11-FINISH	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-8-40LED-700mA-30K-HS.les
[Symbol]	5	SA3M-H	Single	8521	86.8	0.850	RZR-PLED-8-M-40LED-700mA-30K-HS-VOLT-1-FINISH, SNTS 255 - 11-FINISH	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-8-M-40LED-700mA-30K-HS.les
[Symbol]	1	SA5	Single	11920	86.8	0.850	RZR-PLED-VSQ-M-40LED-700mA-30K-VOLT-1-FINISH, SNTS 255 - 11-FINISH	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-VSQ-M-40LED-700mA-30K.les
[Symbol]	8	SAFT	Single	10595	86.8	0.850	RZR-PLED-IV-FT-40LED-700mA-30K-VOLT-1-FINISH, SNTS 255 - 11-FINISH	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-IV-FT-40LED-700mA-30K.les
[Symbol]	31	SAFT-H	Single	8318	86.8	0.850	RZR-PLED-IV-FT-40LED-700mA-30K-HS-VOLT-1-FINISH, SNTS 255 - 11-FINISH	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-IV-FT-40LED-700mA-30K-HS.les
[Symbol]	9	WM	Single	2132	22.3	0.850	LPW-16-20-WW-G3-3-VOLT-FINISH, Wall Mounted 18"	STONCO/KEENE	lpw16-20-ww-g3-3-unv.les

Label	CalcType	Units	Avg	Max	Min	Avg/Mm	Max/Mm	Description
Site	Illuminance	Fc	0.67	3.5	0.0	N.A.	N.A.	10ft Grid
Drop Off Area - Building A	Illuminance	Fc	1.29	2.1	0.6	2.15	3.50	10ft Grid
Entry Drive	Illuminance	Fc	1.32	2.1	0.5	2.64	4.20	10ft Grid
Inner Drives (typ)	Illuminance	Fc	1.34	2.3	0.6	2.23	3.83	10ft Grid
Parking Lot - Building A	Illuminance	Fc	1.17	2.9	0.4	2.93	7.25	10ft Grid
Parking Lot - Building B Front	Illuminance	Fc	1.23	2.1	0.5	2.46	4.20	10ft Grid
Parking Lot - Building B Rear	Illuminance	Fc	1.24	2.7	0.4	3.10	6.75	10ft Grid
Parking Lot - Building C Front	Illuminance	Fc	1.16	2.4	0.6	1.93	4.00	10ft Grid
Parking Lot - Building C Rear	Illuminance	Fc	0.86	2.1	0.3	2.87	7.00	10ft Grid
Parking Lot - Building D	Illuminance	Fc	1.82	1.6	0.5	2.04	3.20	10ft Grid
Parking Lot - Clubhouse	Illuminance	Fc	1.30	1.8	0.6	2.17	3.00	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.

APEX
 LIGHTING SOLUTIONS
 20-30 BEAVER ROAD, WETHERSFIELD, CT 06109
 TELEPHONE 860.632.8766 / WWW.APEXLTG.COM

PROJECT TITLE:
 THE BLUFFS
 31 & 100 SPERRY LAND
 AND 161 FOXON RD
 EAST HAVEN, CT

DRAWING TITLE:
 SITE LIGHTING
 PHOTOMETRIC CALCULATION

SCALE : 1"=60'-0"
 DATE : 1/24/23
 DRAWN BY: LED/PD
 SHEET:

SL-1



JOB NAME: THE BLUFFS - 31 & 100 SPERRY LAND AND 161 FOXON RD - EAST HAVEN, CT
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Luminaire Schedule										
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	1	SAS	Single	11920	86.8	0.850	RZR-PLED-VSQ-M-40LED-700mA-30K-VOLT-1-FINISH, SNTS 255 - 11-1-FINISH	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-VSQ-M-40LED-700mA-30K.lvs	
	8	SAFT-H	Single	10595	86.8	0.850	RZR-PLED-IV-FT-40LED-700mA-30K-VOLT-1-FINISH, SNTS 255 - 11-1-FINISH	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-IV-FT-40LED-700mA-30K.lvs	
	31	SAFT-H	Single	8318	86.8	0.850	RZR-PLED-IV-FT-40LED-700mA-30K-HS-VOLT-1-FINISH, SNTS 255 - 11-1-FINISH	U.S. ARCHITECTURAL LIGHTING	RZR-PLED-IV-FT-40LED-700mA-30K-HS.lvs	
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Calculation Summary							
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Parking Lot - Building B Rear	Illuminance	Fc	1.24	2.7	0.4	3.10	6.75
Parking Lot - Building C Front	Illuminance	Fc	1.16	2.4	0.6	1.93	4.00
Parking Lot - Building C Rear	Illuminance	Fc	0.86	2.1	0.3	2.87	7.00
Parking Lot - Building D	Illuminance	Fc	1.02	1.6	0.5	2.04	3.20
Parking Lot - Clubhouse	Illuminance	Fc	1.30	1.8	0.6	2.17	3.00

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