



Plan revision 06/08/2023 to reflect DRB review comments.

Item 45.e - Overall heights of pole luminaires are identified adjacent to each luminaire on the plan. Heights are also described in the plan notes, #7 and #8.

Item 47.1 - All luminaires are full cut-off as defined by IESNA.

-Claus Bartenstein, P.E.

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Typical Parking Area Average With New Luminaires	✘	1.6 fc	6.1 fc	0.2 fc	30.5:1	8.0:1
Site Overall With Existing & New Luminaires	+	1.2 fc	9.4 fc	0.1 fc	94.0:1	12.0:1

- Note**
- ALL "ZERO" CALCULATION POINTS HAVE BEEN REMOVED TO ELIMINATE DIVIDE BY ZERO ERRORS FOR RATIOS IN THE STATISTICS MATRIX. CALCULATION RESULTS ARE TO TENTHS; LOWEST LEVELS INDICATED ARE 0.1 FOOT-CANDLES
 - CALCULATIONS BASED ON IES FILES FOR THE SPECIFIC BASIS OF DESIGN PRODUCTS. EXISTING LUMINAIRES, INDICATED BY (EX) PREFIX ARE ESTIMATED BASED ON BEST AVAILABLE INFORMATION.
 - EXISTING LUMINAIRES MOUNTING HEIGHT IS ESTIMATED BASED ON BEST AVAILABLE INFORMATION
 - POINT BY POINT CALCULATION IS 6' ON CENTER CALCULATION POINTS AT GRADE (0' AFF).
 - CALCULATION IS PREPARED UTILIZING VISUAL LIGHTING 2020 PROGRAM, RELEASE 2.11.0062.
 - CONTROLS FOR ALL EXTERIOR LIGHTING WILL BE THROUGH A LIGHTING CONTROLLER WITH BOTH TIME AND PHOTOCELL INPUT.
 - SELECT POLE LUMINAIRES SHALL BE 15'-6" ABOVE FINISHED GRADE TO BOTTOM OF LUMINOUS DOWN LIGHT SURFACE WHERE INDICATED; THIS TO INCLUDE 15' POLE AND 6" CONCRETE BASE ABOVE GRADE ON THE LAWNED AREAS NOT SUSCEPTIBLE TO VEHICLE CONTACT.
 - SELECT POLE LUMINAIRES SHALL BE 17'-6" ABOVE FINISHED GRADE TO BOTTOM OF LUMINOUS DOWN LIGHT SURFACE WHERE INDICATED; THIS TO INCLUDE 15' POLE AND 30" CONCRETE BASE ABOVE GRADE ON THE PARKING OR DRIVE AREAS WHERE SUSCEPTIBLE TO VEHICLE CONTACT.
 - BUILDING MOUNTED WALL PACK LUMINAIRES SHALL BE LOCATED ~10' ABOVE FINISHED GRADE TO BOTTOM OF LUMINOUS DOWN LIGHT SURFACE.
 - LIGHTING UNDER SOLAR CANOPIES SHALL BE MOUNTED ~13' ABOVE FINISHED GRADE TO BOTTOM OF LUMINOUS DOWN LIGHT SURFACE.
 - LUMINAIRES RECESSED INTO THE BUILDING ENTRANCE CANOPY ARE APPROXIMATELY 10' ABOVE FINISHED GRADE TO BOTTOM OF LUMINOUS DOWN LIGHT SURFACE.
 - EXISTING STREET LIGHTING CONTRIBUTION IS NOT INCLUDED IN CALCULATIONS.

Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Plot
(EX)AREA			6	RAB LIGHTING INC.	ALED3778 - RWLED3778 - WPLED3778 (TYPE III)	CAST FINNED METAL HOUSING, 6 CIRCUIT BOARDS EACH WITH 1 LED, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER LED, CLEAR FLAT GLASS LENS IN CAST WHITE PAINTED METAL LENS FRAME.	6	1544	0.7	76.8	Max: 6180cd
(EX)WALL PACK			7	RAB LIGHTING INC.	[WP, A]LED18Y		1	2783	0.9	21.3	Max: 1787cd
SA2(HS)			7	Lithonia Lighting	RSX1 LED P1 30K R2 HS	RSX LED Area Luminaire Size 1 P1 Lumen Package 3000K CCT Type R2 Distribution with HS shield	1	4901	0.9	51.34	Max: 3899cd
SA3(HS)			8	Lithonia Lighting	RSX1 LED P1 30K R3 HS	RSX LED Area Luminaire Size 1 P1 Lumen Package 3000K CCT Type R3 Distribution with HS shield	1	4533	0.9	51.34	Max: 4818cd
SA4(HS)			2	Lithonia Lighting	RSX1 LED P1 30K R4 HS	RSX LED Area Luminaire Size 1 P1 Lumen Package 3000K CCT Type R4 Distribution with HS shield	1	4300	0.9	51.34	Max: 3706cd
SB			6	Lithonia Lighting	WEDGE1 LED P1 30K 80CRI VW	WEDGE1 LED WITH P1 - PERFORMANCE PACKAGE, 3000K, 80CRI, VISUAL COMFORT WIDE OPTIC	1	1163	0.9	10.0002	Max: 877cd
SC			4	Lithonia Lighting	VCPG LED P1 30K TSW MVOLT	VCPG LED WITH P1 - PERFORMANCE PACKAGE, 3000K, TSW OPTIC TYPE	1	3592	0.9	26.57	Max: 979cd
SD			16	Juno Lighting	ICILED G4 06LM 30K 90CRI 120 FRPC + 12 WWH	4" IC LED HOUSING	1	474	0.9	8.6	Max: 796cd