

WEQUASSETT RESORT

PHOTOMETRIC STUDIES - LIGHT TRESPASS

July 25, 2023

Ventresca Design LLC 44-02 Eleventh Street, Suite 203 Long Island City, NY 11101 212.600.0033 ventrescadesign.com

Calculation Disclaimer

ILLUMINATION CALCULATIONS ARE FOR LIGHTING DESIGN AID PURPOSES ONLY. ALL CALCULATIONS PERFORMED BY VENTRESCA LIGHTING DESIGNERS (VLD) ARE BASED ON PUBLISHED METHODS, IES RECOMMENDATIONS AND PHOTOMETRY MADE AVAILABLE BY THE LIGHT FIXTURE MANUFACTURERS.

WHILE ALL NECESSARY STEPS HAVE BEEN TAKEN TO ENSURE THE ACCURACY OF THE CALCULATIONS, IT SHOULD BE NOTED THAT ALL RESULTS ARE DIRECTLY DEPENDENT ON THE IES FORMAT PHOTOMETRIC FILE USED AS INPUT AND THE POINT-BY-POINT CALCULATION SOFTWARE USED.

THEREFORE, RESULTS COMPUTED MAY VARY BY THE LUMINAIRE AND LAMP DATA BASE, LIGHT LOSS FACTORS AND THE CALCULATION PROGRAM USED. FIELD RESULTS MAY DIFFER FROM COMPUTER LIGHT LEVEL ANALYSIS DUE TO UNCONTROLLABLE FACTORS THAT MAY AFFECT THE LIGHTING SUCH AS: LINE VOLTAGE VARIATIONS, LAMP AND BALLAST PERFORMANCE, AND ACTUAL FIELD CONDITIONS SUCH AS FINISHES AND ENVIRONMENTAL FACTORS.

VLD SHALL NOT BEAR RESPONSIBILITY FOR THE ACCURACY OF THE CALCULATIONS PERFORMED AND THE RESULT OF THE FINAL LIGHT LEVELS.



Calculation points : 10' x 10' grid at floor level

The lighting illuminance level in foot candle unit measurement, as defined per By-Law, at the neighbouring property is zero, any light spill from Wequassett Resort Building 1 completely drops off at 20 feet.

																1										
•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	0.0	•0.0	0.1	0.1	0.1	•0.0	•0.0	••••	•0.0	•0.0	•0.0	•0.0
•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	4'•0" T RETAI	NING	M	0.1	0.2	•0.3	0.1	0.1	•0.0	•0.0	•0.0	•0.0	•0.0
•0.0	•0.0	0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0		(CYAN) •0.0		0.10	0.2	°0, 6	0.4			•	•0.0	•0.0	•0.0
•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.2	0.2	•0.3							0.0	•0.0
•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	0.2	0.3	0.3		W	EQUAS	SETT			•0.0	0.0
•0.0	0.0	•0.0	0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	0.2	0.3	0.4	0	IN-	SORT SCOPI			L	0.0	0.0
•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	• . 0	0.2	0.3	0.3							0.0	0.0
•0.0	•. •	•0.0	•0.0	•0.0	•0.0	•0.0								•0.0		0.1	0.2	0.3	1.2	- 2					•0.0	0.0
•0.0	•0.0			•0.0		•0.0								•0.0			0.2			0.1	0.2	0.1		0.0	•0.0	0.0
•	0.0	•0.0	•0.0	•0.0	0.0	0.0	0.0	•0.0	0.0	112'-5 0.0	•0.0	•0.0	*0.0	•0.0	•0.0	0.0	20'-0"	0.1	0.2	0.2	0.3	0.1	0.1	•0.0	•0.0	0.0
•0.0	•0.0	•0.0 ADJA	•0.0 ACENT	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	0.0	0.0	•0.0	0.1	•0.0	0.1	0.2	0.2	0.5	0.6			•	•0.0
•0.0	•0			ING.	0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	0.1	•0.0	0.1	•0.2	0.2	-					•0.0
•0.0	•0.0	•0.0	•0.0	•0.0	0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0,0	•0.0	0.1	•0.0	•0.2	0.3	0,2		. /	RESO			•0.0
•0.0	•0.0	0.0	0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	0.1	•0.2	0.4	•0.5		IN-SCO BUILD			•0.0
•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	0.1	0.2	0.3	. 5					•0.0
•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	• . 0	•0.0	•0.0	•0.0	•0.0	0.0	0.1	0.2	0.3					0.0
•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0/	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	0.1	0.1	0.2	•0.2	0.0	0.1	•0.0	•0.0
•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	0.1	0.1	°0.1	°0.1	0.0	0.0	•0.0	•0.0
•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0	•0.0
-	_	-	-	-	-	-	-	-	-	-	_ /	-	-	=	-	-	-	_ /			-	-	-	-	-	-

Psuedo Color Photometric Rendering

The lighting illuminance level in foot candle unit measurement, as defined per By-Law, at the neighbouring property is zero, any light spill from Wequassett Resort Building 1 completely drops off at 36 feet.





