



**ASCE 7-05 Exposure C Span and Cantilever Chart in Inches for flush mount of LD with 66" Maximum Module Length and building height ≤30 feet**

Snow Load, Pg (psf)	Wind Speed (mph)										Roof Pitch		
	90	100	105	110	120	130	140	150	160	170		180	
0	196	178	170	163	151	140	130	122	115	108	102	0 ≤ 7°	
10	181	170	165	160	151	140	130	122	115	108	102		
15	168	159	155	151	143	136	129	122	115	108	102		
20	157	150	146	143	136	130	124	119	113	108	102		
25	148	142	139	136	130	125	120	115	110	105	101		
30	141	136	133	130	125	120	115	111	107	103	99		
40	129	125	122	120	116	112	108	105	101	98	94		
50	119	116	114	112	109	106	103	99	96	93	90		
60	110	109	107	106	103	100	98	95	92	89	87		
0	205	187	179	171	158	147	137	128	121	114	108		7° < 0 ≤ 27°
10	187	176	171	166	157	147	137	128	121	114	108		
15	172	164	160	156	148	141	134	128	121	114	108		
20	161	154	150	147	140	134	128	123	118	113	108		
25	151	145	142	140	134	128	123	118	114	109	105		
30	143	138	136	133	128	123	119	114	110	106	102		
40	131	127	125	123	119	115	111	108	104	101	97		
50	120	118	116	114	111	108	105	102	99	96	93		
60	110	110	109	108	105	102	100	97	94	92	89		
0	196	178	170	163	151	140	130	122	115	108	102	27° < 0 ≤ 45°	
10	181	170	165	160	151	140	130	122	115	108	102		
15	168	159	155	151	143	136	129	122	115	108	102		
20	157	150	146	143	136	130	124	119	113	108	102		
25	148	142	139	136	130	125	120	115	110	105	101		
30	141	136	133	130	125	120	115	111	107	103	99		
40	129	125	122	120	116	112	108	105	101	98	94		
50	119	116	114	112	109	106	103	99	96	93	90		
60	110	109	107	106	103	100	98	95	92	89	87		

**Assumptions: Tabulated values only apply to rail stress, the connecting support is not considered. These values are only for Gable Roofs with a mean height below or equal to 30 feet. For roof heights over this limit or conditions not specified please contact PLP for consultation.**

**ASCE 7-05 Exposure C Span and Cantilever Chart in Inches for flush mount of LD with 77" Maximum Module Length and building height ≤30 feet**

Snow Load, Pg (psf)	Wind Speed (mph)										Roof Pitch		
	90	100	105	110	120	130	140	150	160	170		180	
0	181	165	158	151	139	129	121	113	106	100	95	0 ≤ 7°	
10	168	158	153	148	139	129	121	113	106	100	95		
15	156	147	143	140	132	126	120	113	106	100	95		
20	146	139	136	132	126	120	115	110	105	100	95		
25	137	132	129	126	121	116	111	106	102	98	94		
30	130	125	123	121	116	111	107	103	99	95	91		
40	119	115	113	111	108	104	100	97	94	90	87		
50	110	107	106	104	101	98	95	92	89	86	84		
60	101	101	99	98	95	93	90	88	85	83	80		
0	190	173	165	159	146	136	127	119	112	105	100		7° < 0 ≤ 27°
10	173	163	158	154	145	136	127	119	112	105	100		
15	160	152	148	144	137	130	124	118	112	105	100		
20	149	142	139	136	130	124	119	114	109	104	100		
25	140	135	132	129	124	119	114	110	105	101	97		
30	133	128	126	123	119	114	110	106	102	98	95		
40	121	117	115	114	110	106	103	100	96	93	90		
50	111	109	107	106	103	100	97	94	91	89	86		
60	101	101	101	100	97	95	92	90	87	85	83		
0	181	165	158	151	139	129	121	113	106	100	95	27° < 0 ≤ 45°	
10	168	158	153	148	139	129	121	113	106	100	95		
15	156	147	143	140	132	126	120	113	106	100	95		
20	146	139	136	132	126	120	115	110	105	100	95		
25	137	132	129	126	121	116	111	106	102	98	94		
30	130	125	123	121	116	111	107	103	99	95	91		
40	119	115	113	111	108	104	100	97	94	90	87		
50	110	107	106	104	101	98	95	92	89	86	84		
60	101	101	99	98	95	93	90	88	85	83	80		

**Assumptions: Tabulated values only apply to rail stress, the connecting support is not considered. These values are only for Gable Roofs with a mean height below or equal to 30 feet. For roof heights over this limit or conditions not specified please contact PLP for consultation.**