VANL-C-24-L-40 Photometric Report

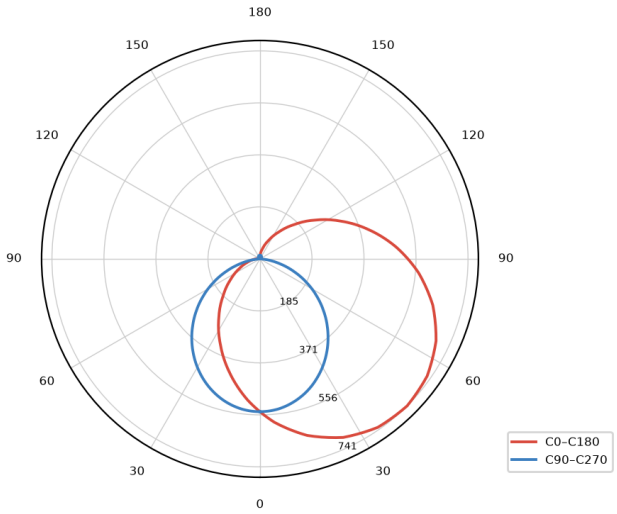
LAMAR LED | Photometric distribution file **VANL-C-24-L-40.ies**

Luminaire data	
Catalog	VANL-C-24-L-40
Description	Vandal Resistant Corner Mount LED Luminaire
Source test / lab	G005332.001.001
Source test date	10/03/2022
Input power	19 W
Total luminaire lumens	2,540 lm
Efficacy	133.7 lm/W
Max candela	741 cd at γ 45°, C 0°
Luminous opening	0.31 × 1.90 × 0.31 ft (W × L × H)
Output grid	181 V (0–180°) × 73 H (0–360°)

Zonal lumen summary

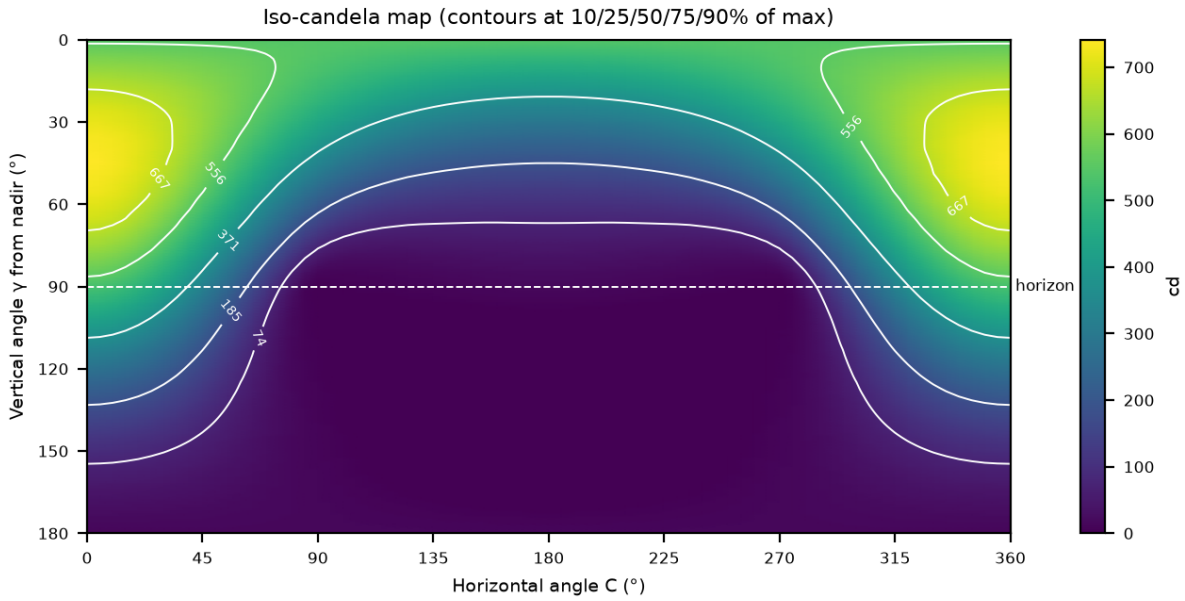
Zone	Lumens	% Luminaire
0–30°	429	16.9
0–40°	714	28.1
0–60°	1,335	52.6
0–90°	2,055	80.9
90–180°	485	19.1
0–180°	2,540	100.0

Polar candela distribution



Candela, Type C photometry, 0° = nadir.

Iso-candela distribution



Candela tabulation

γ \ C	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
0°	545	545	545	545	545	545	545	545	545	545	545	545
5°	585	578	562	542	523	510	505	510	523	542	562	578
10°	618	606	575	533	496	471	462	471	497	533	575	606
15°	652	631	580	518	465	431	419	431	466	519	581	631
20°	677	650	581	499	431	390	377	390	431	499	582	651
25°	702	665	577	474	394	349	335	349	394	475	578	665
30°	718	675	568	445	355	308	295	309	355	446	569	676
35°	733	679	553	413	315	269	256	269	316	414	554	680
40°	737	679	535	377	274	231	221	231	275	378	536	680
45°	741	672	513	339	234	196	185	196	235	340	513	673
50°	735	662	486	299	195	162	156	162	196	299	487	663
55°	728	645	458	257	157	133	127	133	158	257	459	646
60°	710	625	425	214	123	106	104	106	123	214	426	627
65°	692	600	392	170	91	82	81	82	91	170	392	601
70°	665	572	354	126	64	62	63	62	64	126	355	573
75°	638	540	316	84	42	45	46	45	42	83	317	541
80°	602	505	278	45	25	31	34	31	25	45	279	506
85°	567	469	241	15	14	20	22	20	13	15	242	470
90°	527	431	206	1	7	13	15	13	7	2	207	432
95°	487	394	175	1	1	6	8	6	1	1	176	395
100°	444	356	150	1	0	0	0	0	0	1	151	356
105°	402	319	128	2	0	0	0	0	0	3	129	319
110°	360	283	111	3	0	0	0	0	0	3	112	284
115°	318	250	96	4	0	0	0	0	0	4	97	251
120°	280	218	84	5	0	0	0	0	0	5	85	218
125°	241	189	73	6	0	0	0	0	0	6	74	189
130°	207	161	65	7	0	0	0	0	0	7	65	161
135°	173	137	57	8	0	0	0	0	0	8	57	137
140°	145	114	50	9	0	0	0	0	0	9	50	114
145°	117	94	44	10	0	0	0	0	0	10	44	94
150°	95	76	38	11	0	0	0	0	0	11	38	76
155°	73	61	33	11	0	0	0	0	0	11	33	61
160°	57	47	28	12	0	0	0	0	0	12	29	47
165°	41	36	24	13	3	0	0	0	3	13	24	36
170°	30	27	19	13	7	2	0	2	7	13	19	27
175°	19	18	16	13	10	8	7	8	10	13	16	18
180°	13	13	13	13	13	13	13	13	13	13	13	13

Full 181×73 candela grid (0–180° vertical, 0–360° horizontal) is provided in VANL-C-24-L-40.ies.