VANL-C-24-H-40 Photometric Report

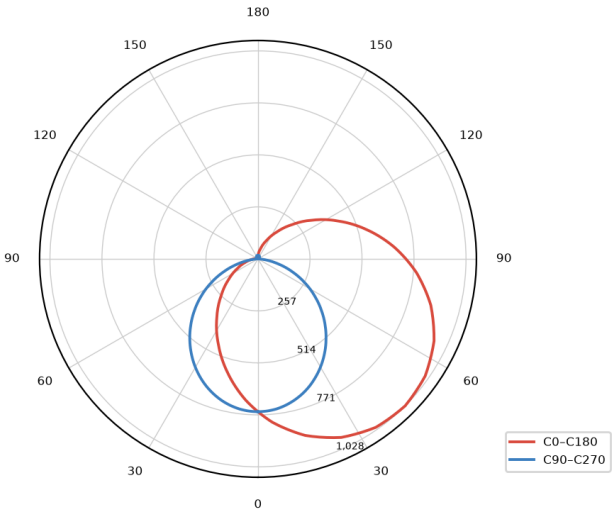
LAMAR LED | Photometric distribution file **VANL-C-24-H-40.ies**

Luminaire data	
Catalog	VANL-C-24-H-40
Description	Vandal Resistant Corner Mount LED Luminaire
Source test / lab	G005332.001.001
Source test date	10/03/2022
Input power	28 W
Total luminaire lumens	3,520 lm
Efficacy	125.7 lm/W
Max candela	1,028 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

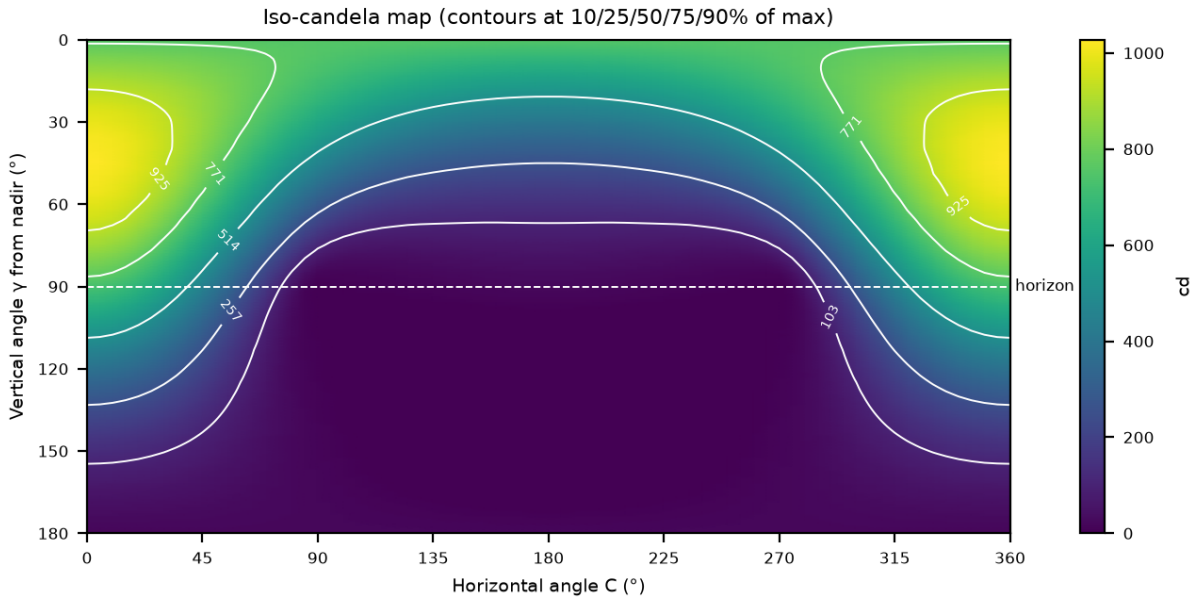
Zone	Lumens	% Luminaire
0–30°	595	16.9
0–40°	989	28.1
0–60°	1,851	52.6
0–90°	2,848	80.9
90–180°	672	19.1
0–180°	3,520	100.0

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°	755	755	755	755	755	755	755	755	755	755	755	755
5°	810	801	779	751	724	706	700	706	725	751	779	801
10°	857	839	797	738	688	653	641	653	688	739	797	840
15°	903	874	804	718	644	597	581	597	645	719	805	875
20°	938	901	805	691	597	540	523	541	598	692	806	902
25°	973	921	800	657	546	483	464	484	546	658	801	922
30°	994	936	787	617	492	427	409	428	493	618	789	937
35°	1,016	940	766	572	437	373	355	373	437	573	768	942
40°	1,022	941	741	523	380	320	306	320	381	524	742	943
45°	1,028	931	710	470	325	272	257	272	326	471	711	932
50°	1,018	918	673	414	271	225	217	225	271	415	675	919
55°	1,008	893	634	356	218	184	176	185	219	357	636	895
60°	984	866	589	296	170	146	144	146	171	297	590	869
65°	960	831	543	235	126	114	112	114	127	235	543	833
70°	922	792	491	174	89	85	88	85	88	174	492	794
75°	884	748	438	116	58	62	64	62	58	115	439	750
80°	835	700	385	63	35	43	47	43	34	62	386	702
85°	786	650	334	21	19	28	31	28	19	21	335	652
90°	730	598	286	1	10	18	21	18	10	3	287	599
95°	675	545	243	2	2	8	11	8	2	2	244	547
100°	616	493	207	2	0	0	0	0	0	2	209	494
105°	557	442	178	3	0	0	0	0	0	4	179	443
110°	499	393	153	4	0	0	0	0	0	4	155	394
115°	441	346	133	5	0	0	0	0	0	6	134	347
120°	388	302	117	7	0	0	0	0	0	7	118	303
125°	334	262	102	8	0	0	0	0	0	9	102	263
130°	287	223	90	10	0	0	0	0	0	10	91	223
135°	240	190	78	11	0	0	0	0	0	11	79	190
140°	201	158	69	12	0	0	0	0	0	13	70	158
145°	162	131	61	14	0	0	0	0	0	14	61	131
150°	131	105	52	15	0	0	0	0	0	15	52	106
155°	101	84	45	16	0	0	0	0	0	16	46	84
160°	78	66	39	17	0	0	0	0	0	17	40	66
165°	56	50	33	17	5	0	0	0	5	17	33	50
170°	41	37	27	18	10	3	0	3	10	18	27	37
175°	27	26	22	18	14	11	10	11	14	18	22	26
180°	18	18	18	18	18	18	18	18	18	18	18	18

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