VANL-C-48-H-40 Photometric Report

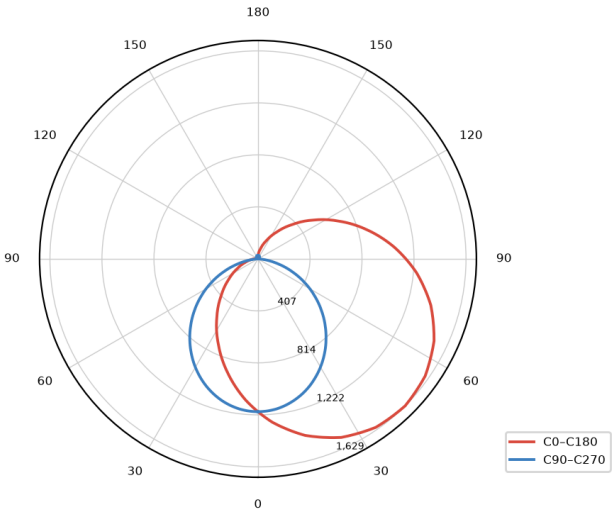
LAMAR LED | Photometric distribution file **VANL-C-48-H-40.ies**

Luminaire data	
Catalog	VANL-C-48-H-40
Description	Vandal Resistant Corner Mount LED Luminaire
Source test / lab	G005332.001
Source test date	10/03/2022
Input power	43 W
Total luminaire lumens	5,580 lm
Efficacy	129.8 lm/W
Max candela	1,629 cd at γ 45°, C 0°
Luminous opening	0.31 × 3.90 × 0.31 ft (W × L × H)
Output grid	181 V (0–180°) × 73 H (0–360°)

Zonal lumen summary

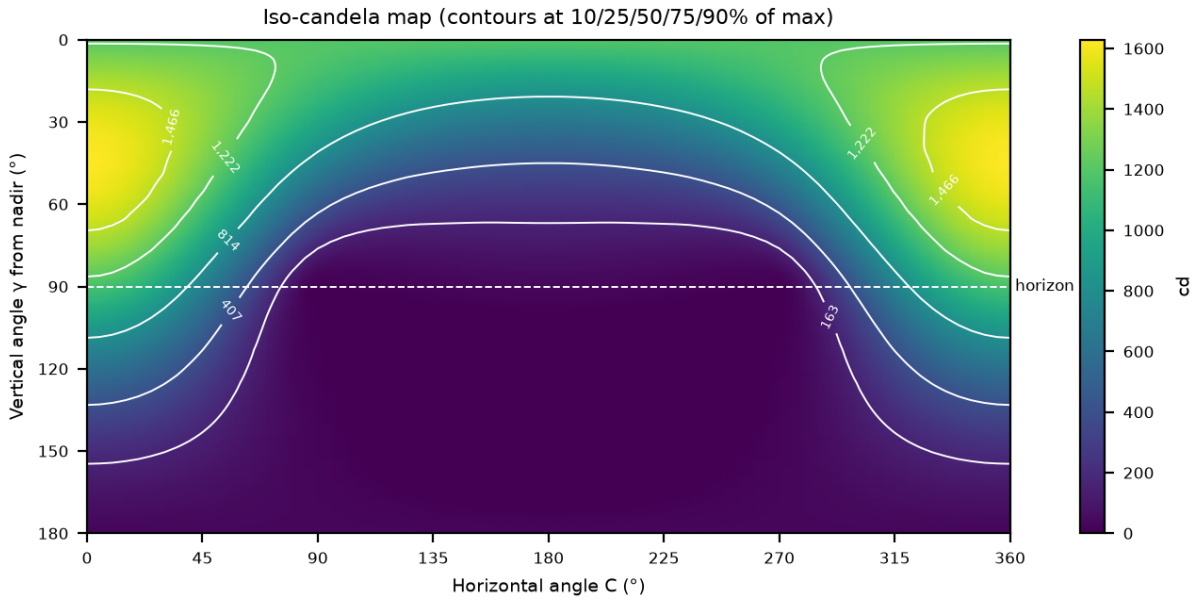
Zone	Lumens	% Luminaire
0–30°	944	16.9
0–40°	1,568	28.1
0–60°	2,934	52.6
0–90°	4,515	80.9
90–180°	1,065	19.1
0–180°	5,580	100.0

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°	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197	1,197
5°	1,284	1,270	1,235	1,190	1,148	1,119	1,110	1,120	1,149	1,190	1,235	1,270
10°	1,358	1,331	1,263	1,170	1,091	1,034	1,016	1,035	1,091	1,171	1,264	1,331
15°	1,432	1,386	1,274	1,138	1,022	946	922	947	1,023	1,140	1,276	1,387
20°	1,487	1,429	1,276	1,096	946	857	829	857	947	1,097	1,278	1,430
25°	1,543	1,461	1,267	1,041	865	766	736	767	866	1,043	1,270	1,462
30°	1,576	1,484	1,247	979	780	678	649	678	781	980	1,250	1,485
35°	1,610	1,491	1,214	907	693	591	562	592	693	909	1,217	1,493
40°	1,620	1,492	1,175	829	603	508	485	508	604	831	1,177	1,494
45°	1,629	1,476	1,126	745	515	431	407	431	516	746	1,128	1,477
50°	1,614	1,455	1,067	657	429	356	344	357	430	658	1,069	1,457
55°	1,599	1,416	1,005	564	346	292	280	293	347	565	1,009	1,419
60°	1,560	1,374	934	470	270	232	228	232	271	470	936	1,377
65°	1,521	1,318	861	373	200	181	177	181	201	373	861	1,320
70°	1,461	1,256	778	276	140	135	139	135	140	276	780	1,258
75°	1,401	1,186	695	184	92	98	101	98	91	182	697	1,189
80°	1,324	1,110	610	100	55	68	75	68	55	99	613	1,113
85°	1,246	1,031	529	33	30	44	49	44	30	33	531	1,033
90°	1,158	948	454	2	16	28	34	28	15	4	455	949
95°	1,070	865	386	2	3	13	18	13	3	3	388	867
100°	976	782	329	3	0	0	0	0	0	3	331	783
105°	882	701	282	5	0	0	0	0	0	6	284	702
110°	791	623	243	6	0	0	0	0	0	7	245	624
115°	699	549	211	9	0	0	0	0	0	9	213	550
120°	614	479	185	11	0	0	0	0	0	11	187	480
125°	530	415	161	13	0	0	0	0	0	14	162	416
130°	455	353	143	15	0	0	0	0	0	16	144	354
135°	380	301	124	17	0	0	0	0	0	18	125	302
140°	319	250	109	19	0	0	0	0	0	20	110	250
145°	257	207	97	21	0	0	0	0	0	22	97	208
150°	208	167	83	23	0	0	0	0	0	24	83	167
155°	160	133	72	25	0	0	0	0	0	25	72	134
160°	124	104	62	26	0	0	0	0	0	27	63	104
165°	89	79	52	28	7	0	0	0	7	28	53	79
170°	66	59	42	28	15	4	0	4	15	28	42	59
175°	42	40	36	29	22	17	16	18	22	29	36	40
180°	29	29	29	29	29	29	29	29	29	29	29	29

Full 181×73 candela grid (0–180° vertical, 0–360° horizontal) is provided in VANL-C-48-H-40.ies.