



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CNLF-CNOS48L40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] LTL03884P8
[DATE] 04/29/2022
[MANUFAC] LAMAR LED
[LUMCAT] CNLF/CNOS48L40
[LUMINAIRE] CORNER SURFACE LED, WHITE
[MORE] FROSTED FLAT ACRYLIC LENS
[LAMP] LED (2) BOARDS - 1 ROW 4000K

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2635
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	24.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.68
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.66
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	3.84 ft
Luminous Height	0.33 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7541	6630	2650
55	7568	6349	2099
65	7516	5687	2173
75	7033	4751	2363
85	5872	3628	1888

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	539.100	539.100	539.100	539.100	539.100	539.100	539.100	539.100	539.100
2.5	605.000	612.322	594.932	570.219	539.100	512.557	491.505	474.115	456.725
5.0	680.968	677.307	644.357	592.186	535.439	479.607	439.334	411.876	390.824
7.5	756.936	745.038	696.528	615.068	530.862	452.148	393.570	355.129	337.738
10.0	830.159	810.938	742.292	638.865	523.540	420.113	349.637	308.449	291.974
12.5	892.398	867.685	785.310	654.425	511.641	388.079	310.280	270.008	248.956
15.0	955.552	923.517	825.582	669.070	499.743	358.790	275.499	234.312	216.921
17.5	1008.638	974.773	859.448	680.968	485.098	328.585	244.380	205.023	187.632
20.0	1059.894	1017.791	888.737	689.206	469.539	301.127	216.921	179.395	166.581
22.5	1105.658	1059.894	918.026	693.782	450.318	274.584	190.378	162.920	146.445
25.0	1143.184	1093.759	941.823	695.613	432.927	247.126	167.496	142.784	131.800
27.5	1175.219	1122.133	961.044	691.036	410.045	218.752	149.191	129.970	119.902
30.0	1199.017	1143.184	974.773	687.375	388.994	192.209	131.800	113.495	105.257
32.5	1218.237	1163.321	986.672	680.053	367.027	169.327	120.817	97.020	87.867
35.0	1232.882	1172.473	992.163	663.578	339.569	151.021	108.003	79.629	64.070
37.5	1242.950	1181.626	993.994	649.849	313.026	132.716	95.189	64.985	41.188
40.0	1249.357	1187.118	993.079	634.289	288.313	119.902	87.867	44.849	20.136
42.5	1253.018	1186.203	986.672	612.322	263.601	109.834	71.392	26.543	0.000
45.0	1256.679	1182.542	976.604	591.271	239.803	103.427	58.578	5.492	0.000
47.5	1255.764	1178.880	964.705	562.897	216.006	96.104	39.357	0.000	0.000
50.0	1250.272	1170.643	949.145	534.523	194.039	94.274	22.882	0.000	0.000
52.5	1249.357	1160.575	926.263	503.404	173.903	88.782	6.407	0.000	0.000
55.0	1242.035	1146.846	899.720	469.539	159.259	80.545	0.915	0.000	0.000
57.5	1230.136	1129.455	869.516	437.504	149.191	67.731	0.000	0.000	0.000
60.0	1218.237	1111.150	834.735	406.384	142.784	55.832	0.000	0.000	0.000
62.5	1199.017	1086.437	794.463	377.095	137.292	40.272	0.000	0.000	0.000
65.0	1177.050	1056.233	749.614	343.230	128.139	21.051	0.000	0.000	0.000
67.5	1146.846	1020.537	702.935	313.026	123.563	6.407	0.000	0.000	0.000
70.0	1109.319	976.604	654.425	283.737	111.664	1.831	0.000	0.000	0.000
72.5	1065.386	924.433	606.831	254.448	105.257	0.915	0.000	0.000	0.000
75.0	1015.045	863.109	560.151	226.989	95.189	0.000	0.000	0.000	0.000
77.5	960.129	800.870	510.726	207.769	86.036	0.000	0.000	0.000	0.000
80.0	894.228	734.970	462.216	190.378	70.477	0.000	0.000	0.000	0.000
82.5	826.498	671.815	410.961	173.903	54.002	0.000	0.000	0.000	0.000
85.0	749.614	608.661	364.281	158.343	38.442	0.000	0.000	0.000	0.000
87.5	674.561	544.591	317.602	143.699	20.136	0.000	0.000	0.000	0.000
90.0	602.254	482.352	276.415	128.139	0.915	0.000	0.000	0.000	0.000
92.5	531.778	421.029	236.142	111.664	0.000	0.000	0.000	0.000	0.000
95.0	463.132	361.536	195.870	96.104	0.000	0.000	0.000	0.000	0.000
97.5	406.384	316.687	167.496	84.206	0.000	0.000	0.000	0.000	0.000
100.0	355.129	274.584	140.953	71.392	0.000	0.000	0.000	0.000	0.000
102.5	313.026	240.719	123.563	56.747	0.000	0.000	0.000	0.000	0.000
105.0	276.415	207.769	109.834	46.679	0.000	0.000	0.000	0.000	0.000
107.5	241.634	183.056	100.681	31.120	0.000	0.000	0.000	0.000	0.000
110.0	211.430	159.259	94.274	7.322	0.000	0.000	0.000	0.000	0.000
112.5	183.971	141.868	86.036	1.831	0.000	0.000	0.000	0.000	0.000
115.0	163.835	125.393	72.307	0.000	0.000	0.000	0.000	0.000	0.000
117.5	141.868	108.003	58.578	0.000	0.000	0.000	0.000	0.000	0.000
120.0	129.054	94.274	44.849	0.000	0.000	0.000	0.000	0.000	0.000
122.5	118.986	82.375	27.458	0.000	0.000	0.000	0.000	0.000	0.000
125.0	104.342	68.646	6.407	0.000	0.000	0.000	0.000	0.000	0.000
127.5	84.206	50.340	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	64.985	32.035	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	40.272	7.322	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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135.0	17.390	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	206.53	N.A.	7.80
0-30	457.98	N.A.	17.40
0-40	783.44	N.A.	29.70
0-60	1527.64	N.A.	58.00
0-80	2182.38	N.A.	82.80
0-90	2392.93	N.A.	90.80
10-90	2341.23	N.A.	88.80
20-40	576.91	N.A.	21.90
20-50	942.93	N.A.	35.80
40-70	1101.49	N.A.	41.80
60-80	654.74	N.A.	24.80
70-80	297.44	N.A.	11.30
80-90	210.55	N.A.	8.00
90-110	190.74	N.A.	7.20
90-120	225.73	N.A.	8.60
90-130	240.55	N.A.	9.10
90-150	242.29	N.A.	9.20
90-180	242.29	N.A.	9.20
110-180	51.55	N.A.	2.00
0-180	2635.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.70
10-20	154.83
20-30	251.45
30-40	325.46
40-50	366.01
50-60	378.19
60-70	357.29
70-80	297.44
80-90	210.55
90-100	123.45
100-110	67.29
110-120	34.99
120-130	14.82
130-140	1.74
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

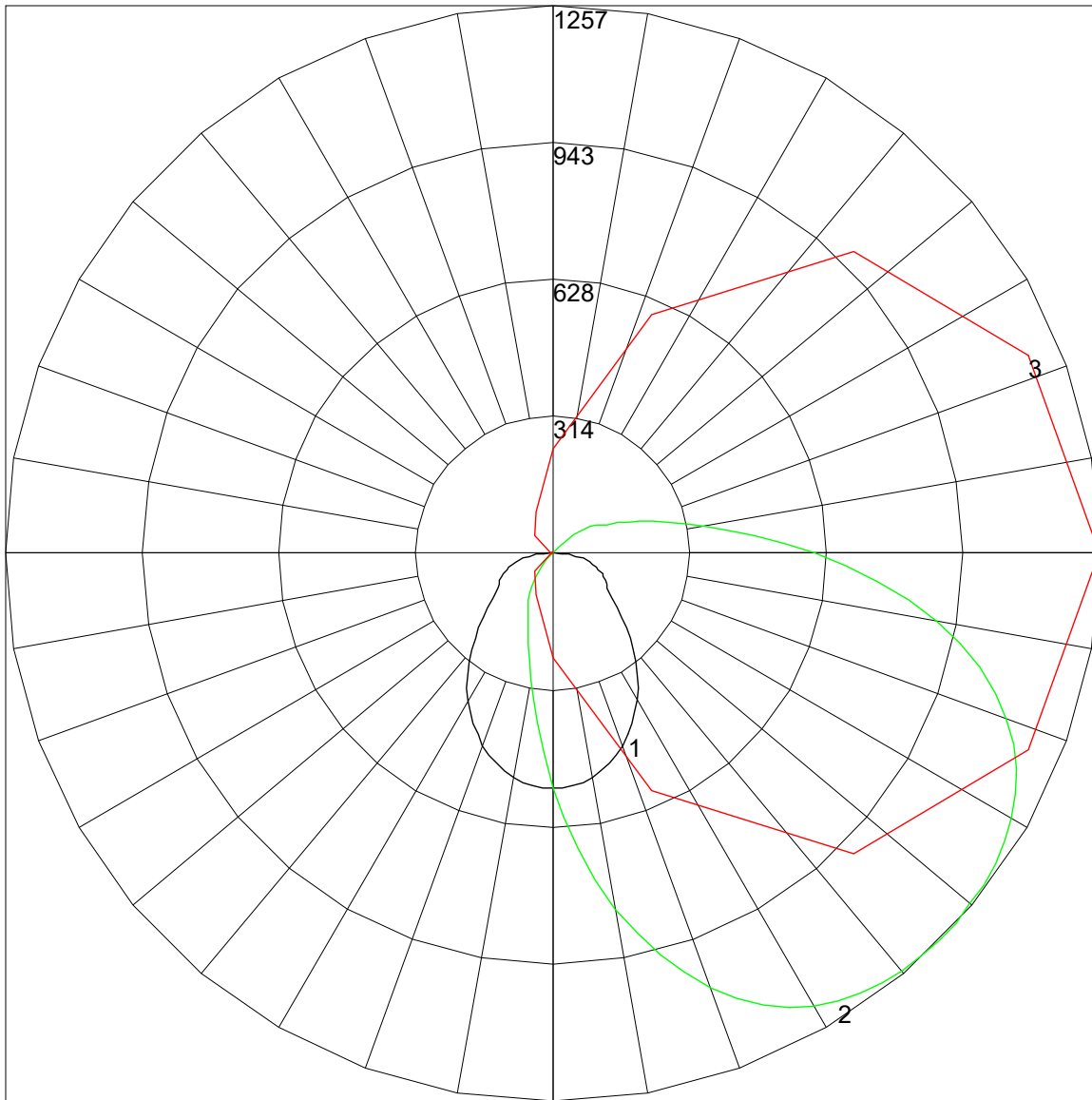
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	103	97	91	86	99	94	88	84	87	83	79	82	78	75	77	74	71	68
2	92	82	74	67	88	79	72	65	74	68	63	69	64	60	65	61	57	54
3	83	71	61	54	80	69	60	53	64	57	51	60	54	49	56	51	47	44
4	76	62	52	45	72	60	51	44	56	48	42	53	46	41	49	44	39	36
5	69	55	45	38	66	53	44	37	50	42	36	47	40	34	44	38	33	31
6	63	49	39	32	61	48	38	32	45	37	31	42	35	30	40	34	29	26
7	59	44	35	28	56	43	34	28	40	33	27	38	31	26	36	30	25	23
8	54	40	31	25	52	39	30	24	37	29	24	35	28	23	33	27	22	20
9	51	37	28	22	49	36	27	22	34	26	21	32	25	21	30	24	20	18
10	47	34	25	20	46	33	25	20	31	24	19	30	23	18	28	22	18	16

POLAR GRAPH



Maximum Candela = 1256.679 Located At Horizontal Angle = 0, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)