



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CNLF-CNOS48H40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] LTL03884P6
[DATE] 04/29/2022
[MANUFAC] LAMAR LED
[LUMCAT] CNLF/CNOS48H40
[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	4961
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	51.3
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	14197	12482	4990
55	14248	11953	3951
65	14151	10707	4090
75	13241	8945	4449
85	11055	6830	3555

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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	1014.946	1014.946	1014.946	1014.946	1014.946	1014.946	1014.946	1014.946	1014.946
2.5	1139.014	1152.799	1120.059	1073.534	1014.946	964.974	925.341	892.601	859.861
5.0	1282.037	1275.144	1213.110	1114.890	1008.053	902.940	827.121	775.426	735.793
7.5	1425.060	1402.659	1311.331	1157.969	999.437	851.245	740.962	668.589	635.849
10.0	1562.913	1526.727	1397.489	1202.771	985.652	790.934	658.250	580.708	549.691
12.5	1680.089	1633.563	1478.478	1232.065	963.251	730.623	584.154	508.335	468.702
15.0	1798.987	1738.677	1554.298	1259.636	940.850	675.482	518.674	441.131	408.391
17.5	1898.931	1835.174	1618.055	1282.037	913.279	618.617	460.086	385.990	353.249
20.0	1995.429	1916.163	1673.196	1297.546	883.985	566.922	408.391	337.741	313.617
22.5	2081.587	1995.429	1728.338	1306.161	847.799	516.950	358.419	306.724	275.707
25.0	2152.237	2059.186	1773.140	1309.608	815.058	465.255	315.340	268.814	248.136
27.5	2212.548	2112.604	1809.326	1300.992	771.979	411.837	280.876	244.690	225.735
30.0	2257.350	2152.237	1835.174	1294.099	732.346	361.865	248.136	213.673	198.164
32.5	2293.537	2190.147	1857.575	1280.314	690.990	318.786	227.458	182.656	165.424
35.0	2321.107	2207.378	1867.914	1249.297	639.295	284.323	203.334	149.916	120.622
37.5	2340.062	2224.610	1871.360	1223.449	589.323	249.859	179.209	122.345	77.543
40.0	2352.124	2234.949	1869.637	1194.155	542.798	225.735	165.424	84.435	37.910
42.5	2359.017	2233.226	1857.575	1152.799	496.272	206.780	134.407	49.972	0.000
45.0	2365.910	2226.333	1838.620	1113.167	451.470	194.718	110.283	10.339	0.000
47.5	2364.187	2219.440	1816.219	1059.748	406.668	180.933	74.096	0.000	0.000
50.0	2353.848	2203.932	1786.925	1006.330	365.312	177.486	43.079	0.000	0.000
52.5	2352.124	2184.977	1743.846	947.742	327.402	167.147	12.062	0.000	0.000
55.0	2338.339	2159.130	1693.874	883.985	299.831	151.639	1.723	0.000	0.000
57.5	2315.938	2126.389	1637.010	823.674	280.876	127.514	0.000	0.000	0.000
60.0	2293.537	2091.926	1571.529	765.087	268.814	105.113	0.000	0.000	0.000
62.5	2257.350	2045.400	1495.710	709.945	258.475	75.819	0.000	0.000	0.000
65.0	2215.994	1988.536	1411.275	646.188	241.244	39.633	0.000	0.000	0.000
67.5	2159.130	1921.332	1323.393	589.323	232.628	12.062	0.000	0.000	0.000
70.0	2088.480	1838.620	1232.065	534.182	210.226	3.446	0.000	0.000	0.000
72.5	2005.768	1740.400	1142.460	479.041	198.164	1.723	0.000	0.000	0.000
75.0	1910.993	1624.947	1054.579	427.346	179.209	0.000	0.000	0.000	0.000
77.5	1807.603	1507.772	961.528	391.159	161.978	0.000	0.000	0.000	0.000
80.0	1683.535	1383.704	870.200	358.419	132.684	0.000	0.000	0.000	0.000
82.5	1556.021	1264.805	773.702	327.402	101.667	0.000	0.000	0.000	0.000
85.0	1411.275	1145.907	685.821	298.108	72.373	0.000	0.000	0.000	0.000
87.5	1269.975	1025.285	597.939	270.537	37.910	0.000	0.000	0.000	0.000
90.0	1133.845	908.110	520.397	241.244	1.723	0.000	0.000	0.000	0.000
92.5	1001.161	792.657	444.577	210.226	0.000	0.000	0.000	0.000	0.000
95.0	871.923	680.651	368.758	180.933	0.000	0.000	0.000	0.000	0.000
97.5	765.087	596.216	315.340	158.531	0.000	0.000	0.000	0.000	0.000
100.0	668.589	516.950	265.368	134.407	0.000	0.000	0.000	0.000	0.000
102.5	589.323	453.193	232.628	106.836	0.000	0.000	0.000	0.000	0.000
105.0	520.397	391.159	206.780	87.882	0.000	0.000	0.000	0.000	0.000
107.5	454.916	344.634	189.548	58.588	0.000	0.000	0.000	0.000	0.000
110.0	398.052	299.831	177.486	13.785	0.000	0.000	0.000	0.000	0.000
112.5	346.357	267.091	161.978	3.446	0.000	0.000	0.000	0.000	0.000
115.0	308.447	236.074	136.130	0.000	0.000	0.000	0.000	0.000	0.000
117.5	267.091	203.334	110.283	0.000	0.000	0.000	0.000	0.000	0.000
120.0	242.967	177.486	84.435	0.000	0.000	0.000	0.000	0.000	0.000
122.5	224.012	155.085	51.695	0.000	0.000	0.000	0.000	0.000	0.000
125.0	196.441	129.238	12.062	0.000	0.000	0.000	0.000	0.000	0.000
127.5	158.531	94.774	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	122.345	60.311	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	75.819	13.785	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

135.0	32.740	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	388.83	N.A.	7.80
0-30	862.22	N.A.	17.40
0-40	1474.96	N.A.	29.70
0-60	2876.04	N.A.	58.00
0-80	4108.69	N.A.	82.80
0-90	4505.1	N.A.	90.80
10-90	4407.76	N.A.	88.80
20-40	1086.13	N.A.	21.90
20-50	1775.22	N.A.	35.80
40-70	2073.75	N.A.	41.80
60-80	1232.65	N.A.	24.80
70-80	559.99	N.A.	11.30
80-90	396.40	N.A.	8.00
90-110	359.10	N.A.	7.20
90-120	424.98	N.A.	8.60
90-130	452.88	N.A.	9.10
90-150	456.15	N.A.	9.20
90-180	456.15	N.A.	9.20
110-180	97.05	N.A.	2.00
0-180	4961.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.34
10-20	291.49
20-30	473.40
30-40	612.74
40-50	689.08
50-60	712.00
60-70	672.66
70-80	559.99
80-90	396.40
90-100	232.41
100-110	126.69
110-120	65.88
120-130	27.90
130-140	3.27
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

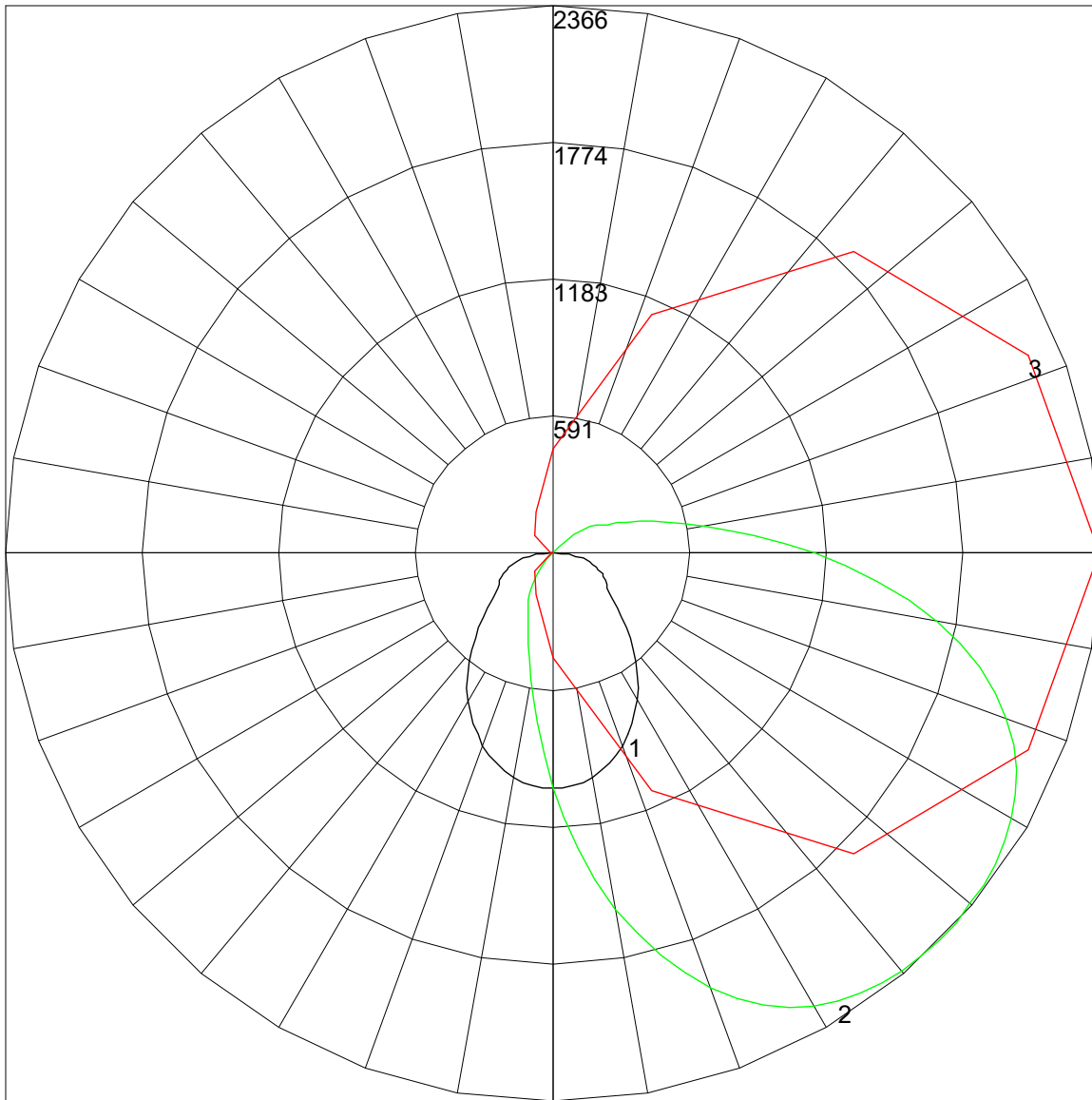
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2365.91 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.)