



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CNLF-CNOS48M40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] LTL03884P7
[DATE] 04/29/2022
[MANUFAC] LAMAR LED
[LUMCAT] CNLF/CNOS48M40
[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	3444
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	33.4
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	9856	8665	3464
55	9892	8298	2743
65	9824	7433	2840
75	9193	6210	3089
85	7675	4742	2468

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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	704.615	704.615	704.615	704.615	704.615	704.615	704.615	704.615	704.615
2.5	790.748	800.318	777.589	745.289	704.615	669.922	642.408	619.678	596.949
5.0	890.040	885.255	842.188	774.000	699.830	626.856	574.219	538.331	510.816
7.5	989.332	973.780	910.377	803.907	693.848	590.967	514.405	464.161	441.431
10.0	1085.035	1059.913	970.191	835.010	684.278	549.097	456.983	403.150	381.617
12.5	1166.383	1134.083	1026.417	855.347	668.726	507.227	405.542	352.906	325.391
15.0	1248.927	1207.057	1079.054	874.488	653.174	468.946	360.083	306.250	283.521
17.5	1318.312	1274.049	1123.316	890.040	634.034	429.468	319.409	267.969	245.239
20.0	1385.304	1330.274	1161.598	900.806	613.697	393.579	283.521	234.473	217.725
22.5	1445.118	1385.304	1199.879	906.788	588.575	358.887	248.828	212.940	191.406
25.0	1494.166	1429.567	1230.982	909.180	565.845	322.998	218.921	186.621	172.266
27.5	1536.036	1466.652	1256.105	903.199	535.938	285.913	194.995	169.873	156.714
30.0	1567.140	1494.166	1274.049	898.414	508.423	251.221	172.266	148.340	137.573
32.5	1592.262	1520.485	1289.601	888.843	479.712	221.314	157.910	126.807	114.844
35.0	1611.403	1532.448	1296.778	867.310	443.824	197.388	141.162	104.077	83.740
37.5	1624.562	1544.410	1299.171	849.366	409.131	173.462	124.414	84.937	53.833
40.0	1632.936	1551.588	1297.975	829.029	376.831	156.714	114.844	58.618	26.318
42.5	1637.721	1550.392	1289.601	800.318	344.532	143.555	93.311	34.692	0.000
45.0	1642.506	1545.607	1276.441	772.803	313.428	135.181	76.563	7.178	0.000
47.5	1641.310	1540.822	1260.890	735.718	282.324	125.610	51.440	0.000	0.000
50.0	1634.132	1530.055	1240.553	698.633	253.613	123.218	29.907	0.000	0.000
52.5	1632.936	1516.896	1210.645	657.960	227.295	116.040	8.374	0.000	0.000
55.0	1623.366	1498.951	1175.953	613.697	208.154	105.274	1.196	0.000	0.000
57.5	1607.814	1476.222	1136.476	571.827	194.995	88.525	0.000	0.000	0.000
60.0	1592.262	1452.296	1091.016	531.153	186.621	72.974	0.000	0.000	0.000
62.5	1567.140	1419.996	1038.380	492.871	179.444	52.637	0.000	0.000	0.000
65.0	1538.429	1380.519	979.762	448.609	167.481	27.515	0.000	0.000	0.000
67.5	1498.951	1333.863	918.751	409.131	161.499	8.374	0.000	0.000	0.000
70.0	1449.903	1276.441	855.347	370.850	145.947	2.393	0.000	0.000	0.000
72.5	1392.482	1208.253	793.140	332.569	137.573	1.196	0.000	0.000	0.000
75.0	1326.686	1128.101	732.129	296.680	124.414	0.000	0.000	0.000	0.000
77.5	1254.908	1046.754	667.530	271.558	112.451	0.000	0.000	0.000	0.000
80.0	1168.775	960.621	604.126	248.828	92.114	0.000	0.000	0.000	0.000
82.5	1080.250	878.077	537.134	227.295	70.581	0.000	0.000	0.000	0.000
85.0	979.762	795.533	476.123	206.958	50.244	0.000	0.000	0.000	0.000
87.5	881.666	711.793	415.113	187.818	26.318	0.000	0.000	0.000	0.000
90.0	787.159	630.445	361.280	167.481	1.196	0.000	0.000	0.000	0.000
92.5	695.044	550.293	308.643	145.947	0.000	0.000	0.000	0.000	0.000
95.0	605.323	472.535	256.006	125.610	0.000	0.000	0.000	0.000	0.000
97.5	531.153	413.916	218.921	110.059	0.000	0.000	0.000	0.000	0.000
100.0	464.161	358.887	184.229	93.311	0.000	0.000	0.000	0.000	0.000
102.5	409.131	314.624	161.499	74.170	0.000	0.000	0.000	0.000	0.000
105.0	361.280	271.558	143.555	61.011	0.000	0.000	0.000	0.000	0.000
107.5	315.821	239.258	131.592	40.674	0.000	0.000	0.000	0.000	0.000
110.0	276.343	208.154	123.218	9.570	0.000	0.000	0.000	0.000	0.000
112.5	240.454	185.425	112.451	2.393	0.000	0.000	0.000	0.000	0.000
115.0	214.136	163.892	94.507	0.000	0.000	0.000	0.000	0.000	0.000
117.5	185.425	141.162	76.563	0.000	0.000	0.000	0.000	0.000	0.000
120.0	168.677	123.218	58.618	0.000	0.000	0.000	0.000	0.000	0.000
122.5	155.518	107.666	35.889	0.000	0.000	0.000	0.000	0.000	0.000
125.0	136.377	89.722	8.374	0.000	0.000	0.000	0.000	0.000	0.000
127.5	110.059	65.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	84.937	41.870	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	52.637	9.570	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

135.0	22.730	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	269.94	N.A.	7.80
0-30	598.59	N.A.	17.40
0-40	1023.97	N.A.	29.70
0-60	1996.66	N.A.	58.00
0-80	2852.41	N.A.	82.80
0-90	3127.61	N.A.	90.80
10-90	3060.04	N.A.	88.80
20-40	754.04	N.A.	21.90
20-50	1232.42	N.A.	35.80
40-70	1439.68	N.A.	41.80
60-80	855.75	N.A.	24.80
70-80	388.76	N.A.	11.30
80-90	275.20	N.A.	8.00
90-110	249.30	N.A.	7.20
90-120	295.04	N.A.	8.60
90-130	314.41	N.A.	9.10
90-150	316.68	N.A.	9.20
90-180	316.68	N.A.	9.20
110-180	67.38	N.A.	2.00
0-180	3444.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	67.57
10-20	202.36
20-30	328.65
30-40	425.39
40-50	478.39
50-60	494.30
60-70	466.99
70-80	388.76
80-90	275.20
90-100	161.35
100-110	87.95
110-120	45.74
120-130	19.37
130-140	2.27
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

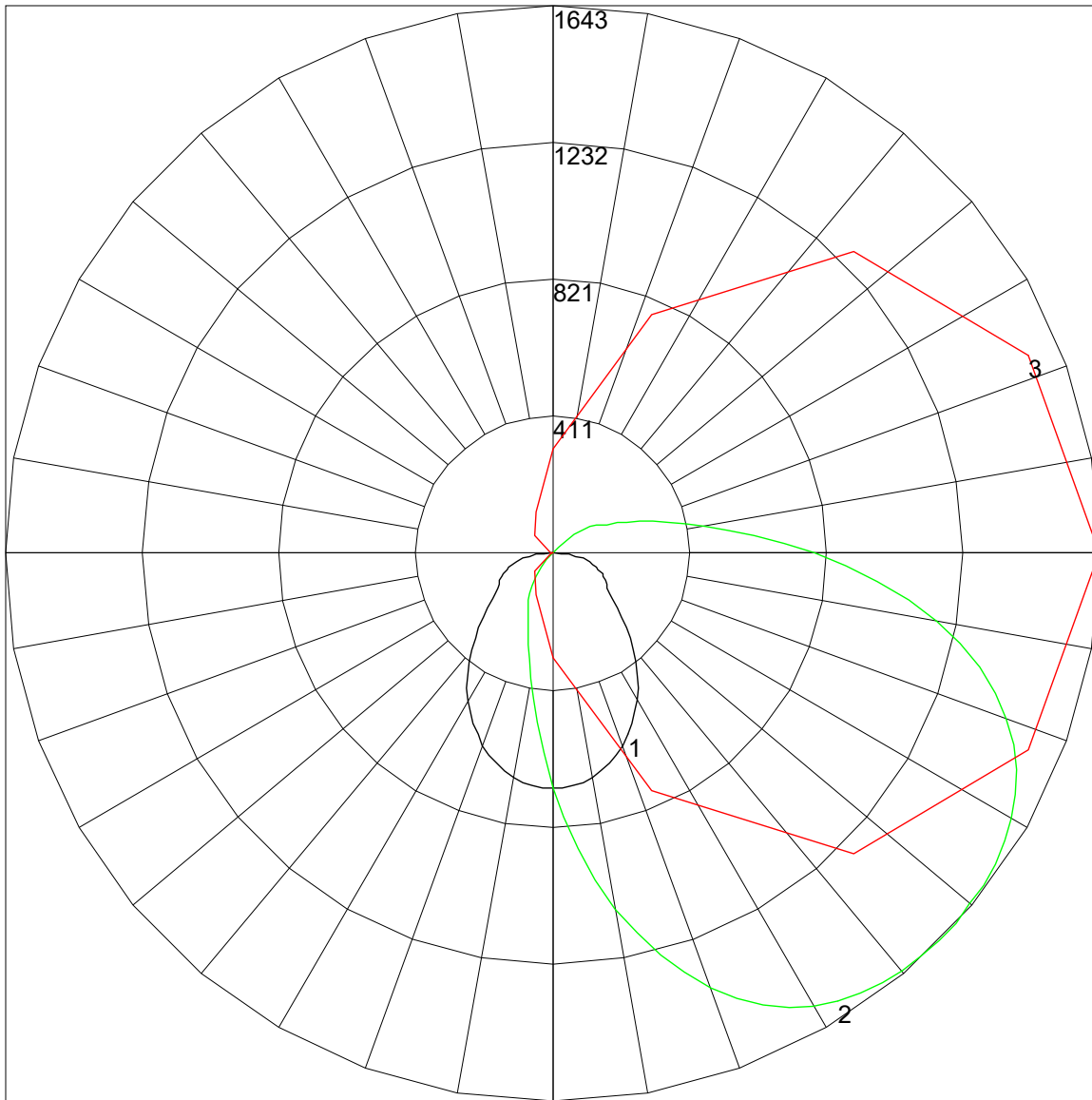
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1642.506 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.)