

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ALOCTV22LEDGV-110L40KE1-AL22.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [TESTLAB]Intertek
 [ISSUE DATE] 6/ 6/2014
 [UPDATE] 1/ 6/2016
 [LAB-REF LUMCAT] 1405080952-001A_M-110L
 [MANUFAC]SPECTRUM
 [LUMCAT] ALOCTV22LEDGV-110L-40K-AL22
 [LUMINAIRE] 22" Diam. ALOCT Series, Spun Aluminum Reflector, Open Aperture
 [OTHER] Matte White, inner reflector surface
 [LAMP] N/A
 [LAMPCAT] N/A
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] CCT Output Multipliers: 50K x 1.03, 35K x 0.97, 30K x 0.95, 27K x 0.93
 [OTHER] This report updated by Spectrum Lighting, scaled from 220W-40K report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8997
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	88
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.83 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14218	13715	13790
55	6849	8025	6565
65	4081	4089	4103
75	3796	3824	3841
85	2815	2762	2591

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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>
0.0	4324.114	4324.114	4324.114	4324.114	4324.114
2.5	4333.276	4333.501	4329.818	4329.638	4339.518
5.0	4353.620	4355.866	4346.794	4346.974	4354.833
7.5	4362.872	4350.252	4348.905	4351.015	4359.189
10.0	4380.342	4337.273	4324.294	4347.647	4378.006
12.5	4389.099	4329.324	4287.513	4339.474	4381.689
15.0	4378.725	4302.198	4254.504	4321.554	4369.788
17.5	4359.683	4243.905	4188.890	4282.932	4347.872
20.0	4292.902	4148.696	4096.780	4189.474	4276.914
22.5	4132.932	4013.157	3980.867	4029.415	4125.343
25.0	3909.730	3867.694	3853.996	3870.928	3917.499
27.5	3734.042	3742.126	3743.248	3736.198	3740.689
30.0	3587.456	3613.593	3631.198	3607.935	3592.845
32.5	3479.043	3488.519	3500.106	3489.282	3472.037
35.0	3385.900	3382.262	3374.178	3381.364	3376.064
37.5	3258.355	3261.723	3261.409	3248.385	3230.376
40.0	3061.604	3093.895	3140.691	3039.015	3004.030
42.5	2763.312	2814.375	2853.447	2724.824	2685.842
45.0	2458.957	2416.068	2372.056	2324.856	2384.990
47.5	2145.934	1970.606	1887.702	1913.031	2038.689
50.0	1705.322	1639.799	1603.107	1570.098	1558.377
52.5	1223.079	1363.782	1462.898	1256.133	1143.678
55.0	960.894	1026.822	1125.849	961.299	920.924
57.5	735.087	685.237	733.650	663.725	694.219
60.0	523.291	503.800	500.163	499.489	519.025
62.5	460.238	459.609	461.360	458.262	461.091
65.0	421.795	420.402	422.693	421.121	424.130
67.5	377.154	376.750	379.085	379.085	381.600
70.0	331.840	332.918	334.759	335.972	337.050
72.5	285.762	287.693	288.098	291.376	291.062
75.0	240.313	242.155	242.065	245.478	243.143
77.5	196.167	196.975	195.403	199.670	196.616
80.0	151.796	151.706	150.089	152.604	149.595
82.5	106.257	105.853	104.506	104.865	102.260
85.0	60.000	59.146	58.877	56.991	55.239
87.5	18.907	18.144	18.907	16.976	16.347
90.0	0.763	0.090	1.572	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1630.23	N.A.	18.10
0-30	3421.73	N.A.	38.00
0-40	5530.3	N.A.	61.50
0-60	8255.23	N.A.	91.80
0-80	8927.54	N.A.	99.20
0-90	8997.38	N.A.	100.00
10-90	8582.38	N.A.	95.40
20-40	3900.07	N.A.	43.30
20-50	5717.97	N.A.	63.60
40-70	3140.94	N.A.	34.90
60-80	672.31	N.A.	7.50
70-80	256.30	N.A.	2.80
80-90	69.84	N.A.	0.80
90-110	0.07	N.A.	0.00
90-120	0.07	N.A.	0.00
90-130	0.07	N.A.	0.00
90-150	0.07	N.A.	0.00
90-180	0.07	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	8997.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	415.01
10-20	1215.22
20-30	1791.5
30-40	2108.57
40-50	1817.9
50-60	907.03
60-70	416.01
70-80	256.30
80-90	69.84
90-100	0.07
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

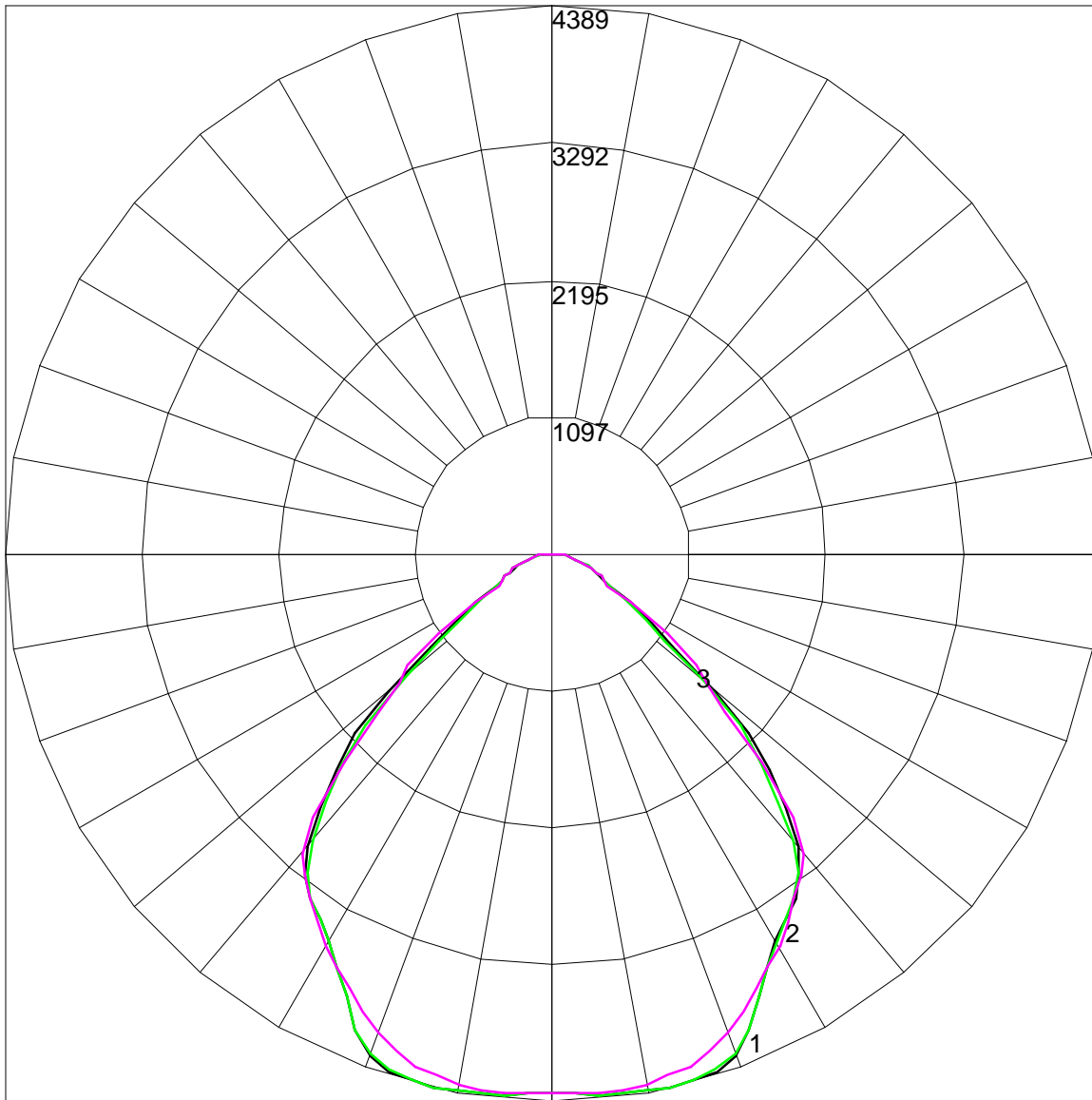
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50	60	54	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39
9	62	50	43	38	61	50	42	38	49	42	37	47	41	37	47	41	37	35
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32

POLAR GRAPH



Maximum Candela = 4389.099 Located At Horizontal Angle = 0, Vertical Angle = 12.5

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Vertical Plane Through Horizontal Angles (45 - 225)