

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ALOCTV22LEDGV-240L40KE1-AL22.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST]

[TESTLAB]Intertek

[ISSUE DATE] 6/ 6/2014

[UPDATE] 12/14/2015

[LAB-REF LUMCAT] 1405080952-001A\_M-240L

[MANUFAC]SPECTRUM

[LUMCAT] ALOCTV22LEDGV-240L-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	19211
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	188
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	30358	29285	29444
55	14625	17135	14016
65	8713	8731	8761
75	8106	8165	8201
85	6010	5897	5533

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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	9232.673	9232.673	9232.673	9232.673	9232.673
2.5	9252.234	9252.714	9244.851	9244.467	9265.563
5.0	9295.672	9300.467	9281.097	9281.481	9298.261
7.5	9315.426	9288.480	9285.604	9290.111	9307.563
10.0	9352.727	9260.768	9233.056	9282.919	9347.741
12.5	9371.425	9243.796	9154.522	9265.467	9355.603
15.0	9349.275	9185.878	9084.043	9227.207	9330.193
17.5	9308.617	9061.413	8943.948	9144.741	9283.398
20.0	9166.029	8858.126	8747.277	8945.194	9131.892
22.5	8824.469	8568.730	8499.785	8603.442	8808.263
25.0	8347.896	8258.142	8228.896	8265.047	8364.484
27.5	7972.774	7990.034	7992.431	7977.377	7986.966
30.0	7659.789	7715.597	7753.186	7703.515	7671.296
32.5	7428.310	7448.543	7473.283	7450.173	7413.352
35.0	7229.435	7221.667	7204.407	7219.750	7208.435
37.5	6957.107	6964.299	6963.628	6935.819	6897.368
40.0	6537.013	6605.958	6705.875	6488.780	6414.082
42.5	5900.112	6009.138	6092.563	5817.934	5734.701
45.0	5250.265	5158.690	5064.718	4963.937	5092.334
47.5	4581.912	4207.557	4030.544	4084.626	4352.926
50.0	3641.135	3501.231	3422.889	3352.410	3327.383
52.5	2611.468	2911.892	3123.521	2682.043	2441.935
55.0	2051.662	2192.429	2403.866	2052.525	1966.320
57.5	1569.527	1463.090	1566.459	1417.158	1482.268
60.0	1117.310	1075.694	1067.927	1066.489	1108.201
62.5	982.681	981.338	985.078	978.462	984.503
65.0	900.599	897.626	902.517	899.161	905.585
67.5	805.284	804.421	809.407	809.407	814.777
70.0	708.531	710.833	714.764	717.353	719.654
72.5	610.148	614.271	615.134	622.134	621.463
75.0	513.107	517.039	516.847	524.135	519.148
77.5	418.848	420.574	417.217	426.327	419.806
80.0	324.108	323.916	320.464	325.834	319.410
82.5	226.876	226.013	223.136	223.903	218.342
85.0	128.109	126.287	125.712	121.684	117.945
87.5	40.370	38.740	40.370	36.246	34.904
90.0	1.630	0.192	3.356	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	3480.8	N.A.	18.10
0-30	7305.94	N.A.	38.00
0-40	11808.07	N.A.	61.50
0-60	17626.23	N.A.	91.80
0-80	19061.72	N.A.	99.20
0-90	19210.84	N.A.	100.00
10-90	18324.74	N.A.	95.40
20-40	8327.27	N.A.	43.30
20-50	12208.77	N.A.	63.60
40-70	6706.4	N.A.	34.90
60-80	1435.48	N.A.	7.50
70-80	547.24	N.A.	2.80
80-90	149.13	N.A.	0.80
90-110	0.15	N.A.	0.00
90-120	0.15	N.A.	0.00
90-130	0.15	N.A.	0.00
90-150	0.15	N.A.	0.00
90-180	0.15	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	19210.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	886.10
10-20	2594.69
20-30	3825.14
30-40	4502.13
40-50	3881.5
50-60	1936.66
60-70	888.24
70-80	547.24
80-90	149.13
90-100	0.15
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

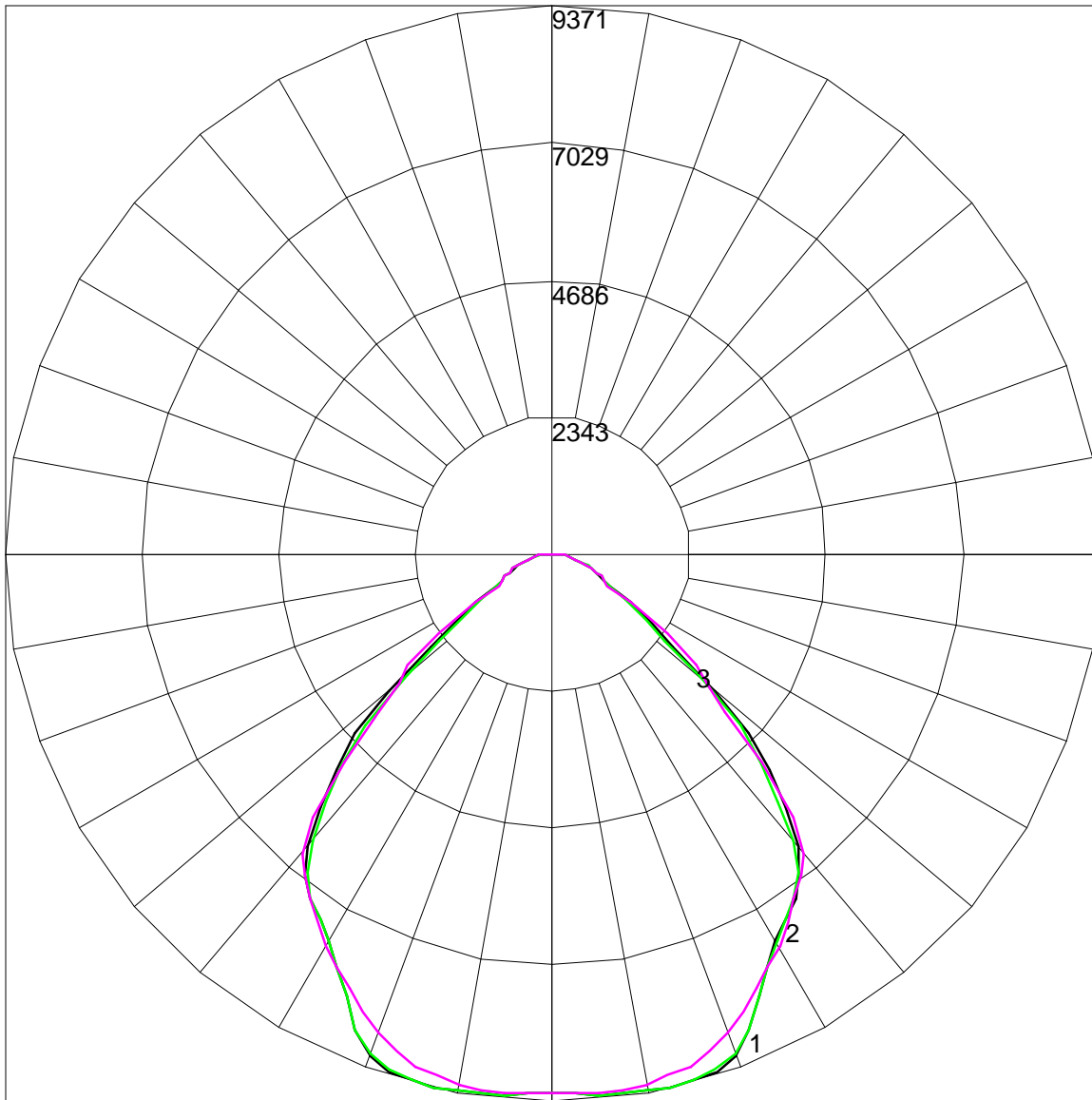
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 9371.425 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)