

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ALXXX22LEDGV-150L40KEX-AL22DR22FO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2017.0.4 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Fri Apr 14 2017

[UPDATE] Tue Sep 5 2017

[TEST] 101537614CRT-010 with FO_M-150L-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] ALxxx22LEDGV-150L-40K-EX-AL22-DR22-FO

[LUMINAIRE] 22" Diam., Spun Aluminum Reflector, White Optical Lens

[OTHER] Data applicable to: ALDDH22LEDGV- and ALSVD22LEDGV-series

[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

[OTHER] Modified version of 101537614CRT-010 report, with FO lens

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7378
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	102
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.83 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10041	10033	10115
55	9252	9167	9146
65	7948	7925	7917
75	5850	5876	5710
85	3033	3121	2983

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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	2997.982	2997.982	2997.982	2997.982	2997.982
5	2977.335	3013.599	2959.186	3090.006	2971.407
10	2911.479	2944.934	2861.060	2874.593	2888.815
15	2824.366	2790.725	2831.534	2792.989	2841.132
20	2676.678	2700.241	2694.169	2697.319	2666.935
25	2525.223	2510.631	2520.463	2500.619	2482.092
30	2387.050	2345.542	2358.182	2345.338	2335.110
35	2177.393	2160.949	2175.949	2162.608	2170.866
40	1970.621	1951.621	1948.393	1961.322	1937.932
45	1736.616	1742.550	1735.233	1751.101	1749.376
50	1529.263	1517.245	1515.180	1514.353	1534.742
55	1298.013	1295.186	1286.085	1294.294	1283.115
60	1063.475	1048.199	1049.654	1040.451	1038.205
65	821.560	811.308	819.128	817.817	818.314
70	571.297	586.555	584.632	576.297	581.920
75	370.322	371.016	371.987	364.705	361.448
80	184.664	180.718	179.670	179.394	180.969
85	64.652	65.694	66.527	64.515	63.599
90	23.617	23.754	23.281	21.629	20.647

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1075.1	N.A.	14.60
0-30	2235.66	N.A.	30.30
0-40	3589.18	N.A.	48.60
0-60	6084.82	N.A.	82.50
0-80	7287.12	N.A.	98.80
0-90	7378.00	N.A.	100.00
10-90	7094.96	N.A.	96.20
20-40	2514.08	N.A.	34.10
20-50	3857.86	N.A.	52.30
40-70	3302.86	N.A.	44.80
60-80	1202.3	N.A.	16.30
70-80	395.07	N.A.	5.40
80-90	90.88	N.A.	1.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	7378.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	283.04
10-20	792.06
20-30	1160.57
30-40	1353.52
40-50	1343.78
50-60	1151.87
60-70	807.22
70-80	395.07
80-90	90.88
90-100	0.00
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

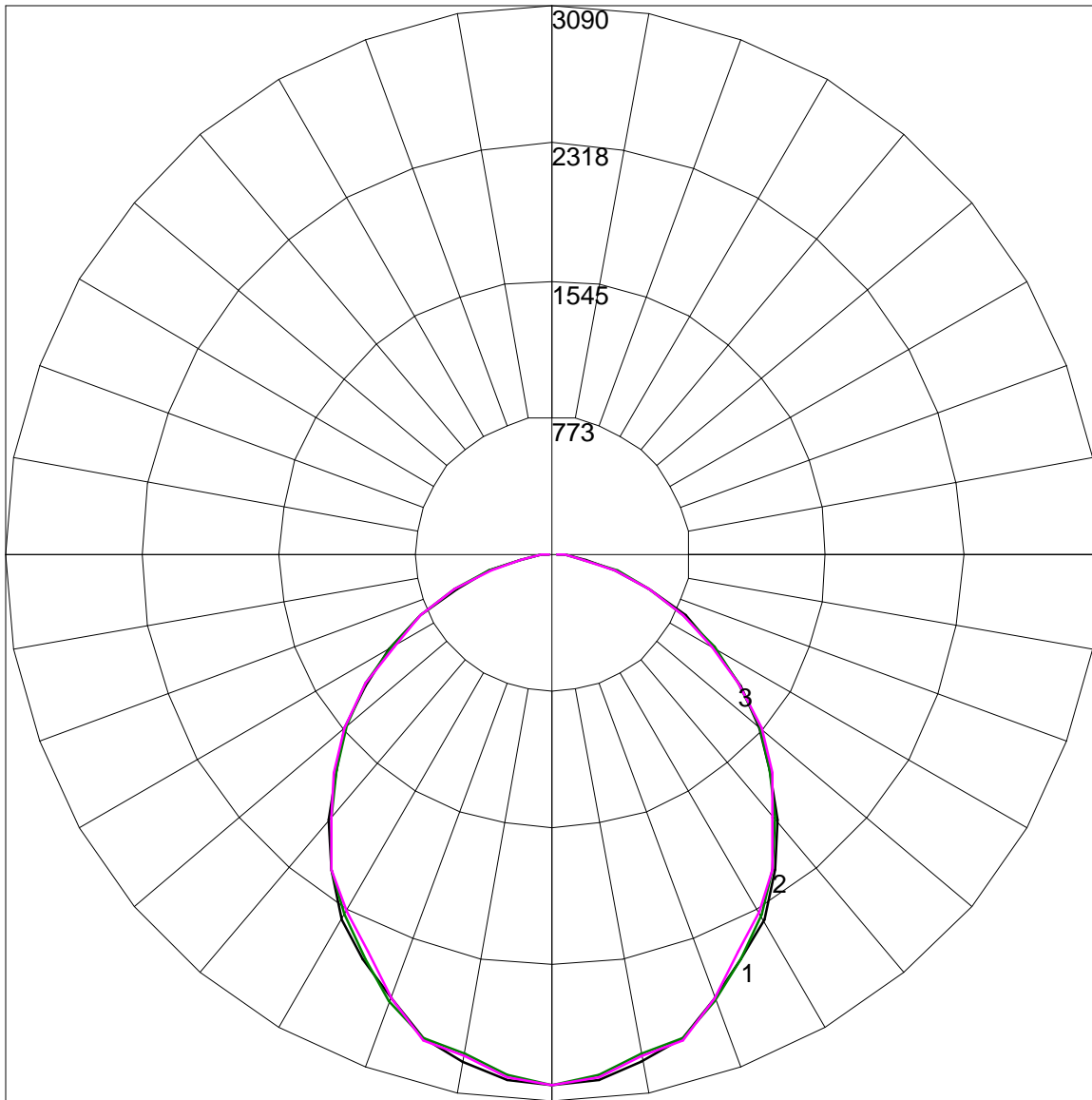
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	74	67	89	80	73	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	55	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 3090.006 Located At Horizontal Angle = 67.5, Vertical Angle = 5

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