

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ALXXX22LEDGV-110L40KEX-AL22DR22FO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Apr 14 2017

[UPDATE] Tue Sep 5 2017

[TEST] 101537614CRT-010 with FO_M-110L-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] ALxxx22LEDGV-110L-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	5533
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	77
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	7531	7525	7586
55	6939	6876	6860
65	5961	5943	5938
75	4387	4407	4282
85	2275	2341	2238

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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	2248.486	2248.486	2248.486	2248.486	2248.486
5	2233.001	2260.199	2219.389	2317.504	2228.555
10	2183.609	2208.701	2145.795	2155.945	2166.611
15	2118.274	2093.044	2123.650	2094.742	2130.849
20	2007.508	2025.180	2020.627	2022.989	2000.202
25	1893.918	1882.973	1890.347	1875.464	1861.569
30	1790.288	1759.156	1768.637	1759.003	1751.333
35	1633.044	1620.712	1631.962	1621.956	1628.149
40	1477.966	1463.716	1461.295	1470.991	1453.449
45	1302.462	1306.912	1301.424	1313.326	1312.032
50	1146.947	1137.934	1136.385	1135.765	1151.057
55	973.510	971.390	964.563	970.721	962.336
60	797.606	786.150	787.241	780.338	778.654
65	616.170	608.481	614.346	613.363	613.736
70	428.473	439.916	438.474	432.223	436.440
75	277.741	278.262	278.990	273.529	271.086
80	138.498	135.538	134.752	134.546	135.727
85	48.489	49.271	49.895	48.386	47.699
90	17.713	17.816	17.461	16.221	15.485

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	806.32	N.A.	14.60
0-30	1676.75	N.A.	30.30
0-40	2691.89	N.A.	48.60
0-60	4563.62	N.A.	82.50
0-80	5465.34	N.A.	98.80
0-90	5533.5	N.A.	100.00
10-90	5321.22	N.A.	96.20
20-40	1885.56	N.A.	34.10
20-50	2893.39	N.A.	52.30
40-70	2477.15	N.A.	44.80
60-80	901.72	N.A.	16.30
70-80	296.31	N.A.	5.40
80-90	68.16	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	5533.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

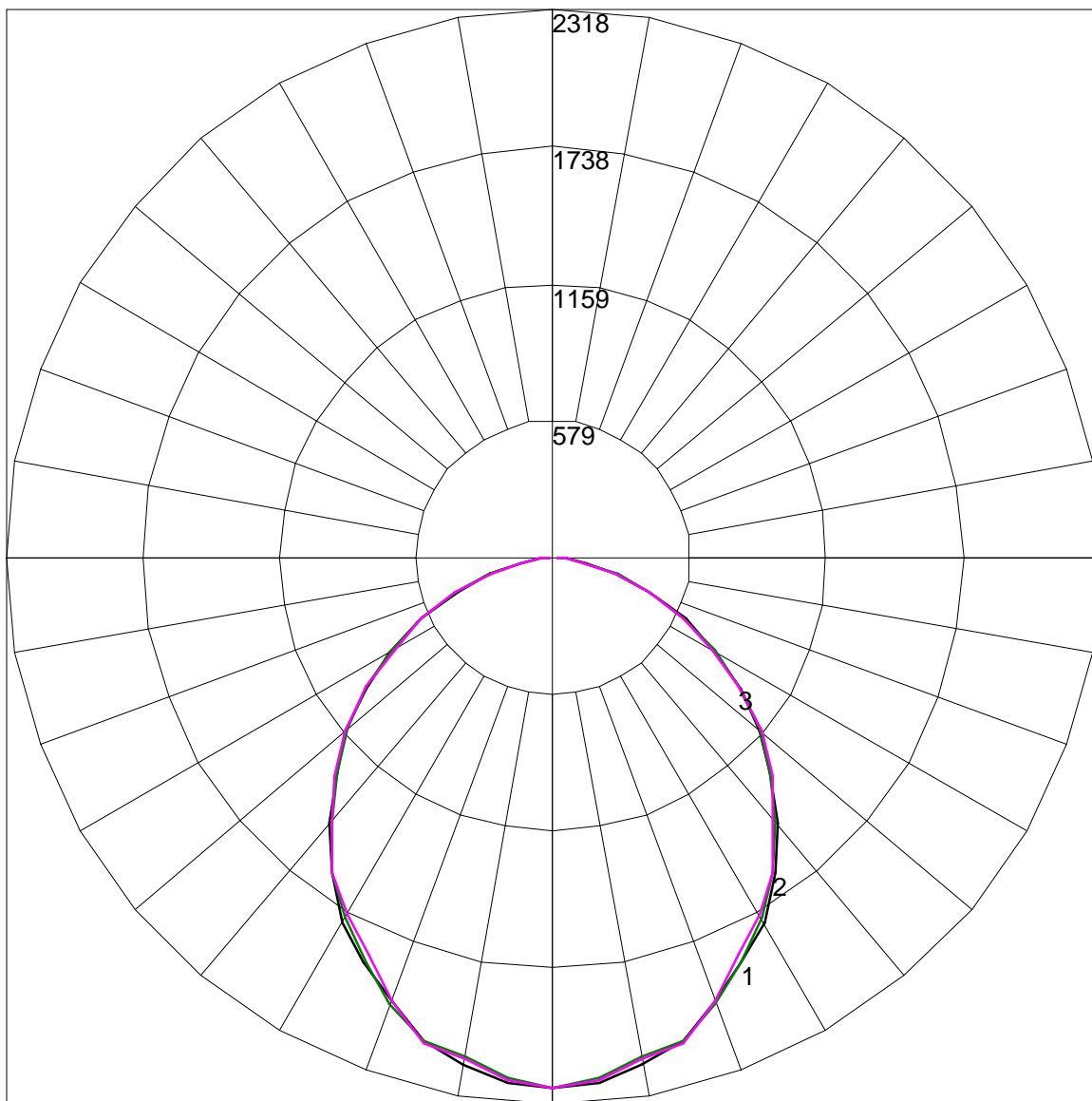
Zone	Lumens
0-10	212.28
10-20	594.05
20-30	870.43
30-40	1015.14
40-50	1007.83
50-60	863.90
60-70	605.42
70-80	296.31
80-90	68.16
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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	84	79	76	81	77	74	72
3	91	81	74	67	89	80	73	67	77	71	66	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 = 2317.504 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)