

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ALXXX22LEDGV-150L40KEX-AL22DR22PP.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2017.2.1 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Fri Sep 01 2017

[UPDATE] Tue Sep 5 2017

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

[MANUFAC] Spectrum Lighting

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

[LUMINAIRE] 22" Diam., Spun Aluminum Reflector, Prismatic Polycarbonate 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 PP lens

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9000
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	102
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.16
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	9646	9605	9489
55	6295	6287	6209
65	4935	4853	4846
75	4448	4478	4416
85	3265	3136	2966

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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	4354.066	4354.066	4354.066	4354.066	4354.066
5	4877.298	4869.394	4901.609	4894.190	4902.759
10	5475.104	5491.367	5535.122	5525.918	5497.774
15	5632.193	5660.941	5704.372	5673.989	5664.277
20	5211.542	5193.033	5197.836	5170.782	5179.153
25	4487.820	4528.479	4466.258	4476.731	4478.042
30	3888.128	3857.452	3818.602	3823.093	3826.607
35	3054.341	3041.377	3029.108	3025.102	2973.359
40	2260.129	2247.506	2227.291	2217.554	2188.746
45	1668.269	1658.772	1661.167	1658.209	1641.137
50	1212.672	1227.408	1217.193	1202.786	1224.666
55	883.092	888.601	882.032	880.811	871.020
60	639.177	654.590	650.255	651.967	648.908
65	510.094	503.615	501.651	506.291	500.878
70	400.657	396.196	394.753	391.352	390.939
75	281.556	281.993	283.472	282.011	279.574
80	162.514	164.544	158.808	163.371	158.910
85	69.599	67.167	66.844	68.509	63.233
90	25.922	24.006	24.425	22.317	22.293

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2040.88	N.A.	22.70
0-30	4109.79	N.A.	45.70
0-40	5997.94	N.A.	66.60
0-60	8109.12	N.A.	90.10
0-80	8912.95	N.A.	99.00
0-90	9000.11	N.A.	100.00
10-90	8517.62	N.A.	94.60
20-40	3957.06	N.A.	44.00
20-50	5257.73	N.A.	58.40
40-70	2619.41	N.A.	29.10
60-80	803.84	N.A.	8.90
70-80	295.60	N.A.	3.30
80-90	87.15	N.A.	1.00
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	9000.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	482.48
10-20	1558.39
20-30	2068.91
30-40	1888.16
40-50	1300.67
50-60	810.51
60-70	508.23
70-80	295.60
80-90	87.15
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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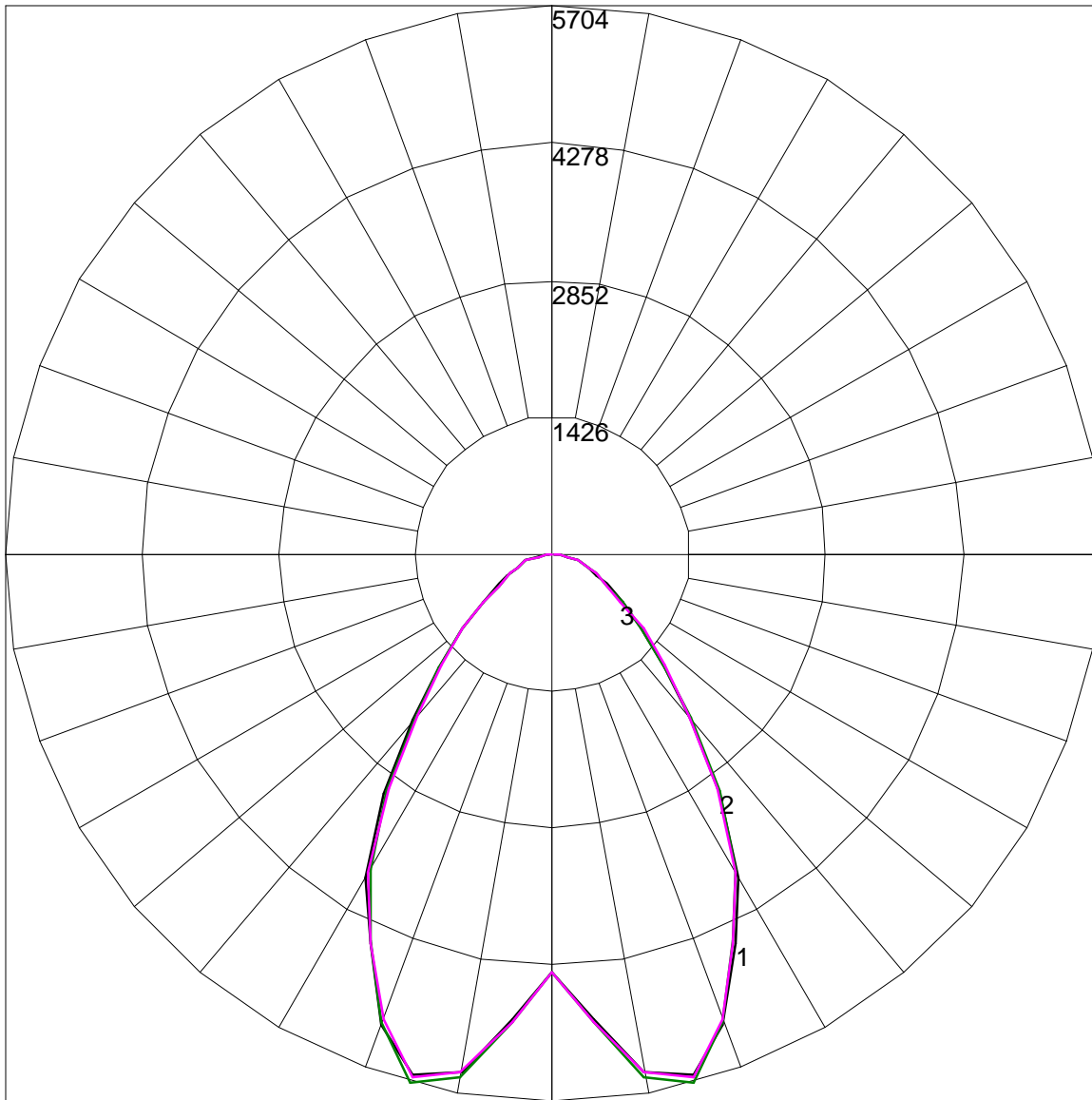
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94	92	90	88
2	103	97	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	68	64	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55
6	78	67	59	53	76	66	58	53	64	58	53	62	57	52	61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	57	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40	38
10	61	49	42	38	60	49	42	37	48	42	37	47	41	37	46	41	37	36

POLAR GRAPH



Maximum Candela = 5704.372 Located At Horizontal Angle = 45, Vertical Angle = 15

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