

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ALXXX22LEDGV-180L40KEX-AL22DR22PP.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Sep 01 2017

[UPDATE] Tue Sep 5 2017

[TEST] 101537614CRT-010 with PP\_M-180L-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] ALxxx22LEDGV-180L-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	10810
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	116
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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ALXXX22LEDGV-180L40KEX-AL22DR22PP.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11586	11536	11397
55	7561	7551	7457
65	5927	5829	5820
75	5342	5378	5304
85	3921	3766	3563

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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>
<b>0</b>	5229.533	5229.533	5229.533	5229.533	5229.533
<b>5</b>	5857.970	5848.477	5887.170	5878.259	5888.551
<b>10</b>	6575.977	6595.510	6648.062	6637.008	6603.205
<b>15</b>	6764.652	6799.180	6851.344	6814.852	6803.186
<b>20</b>	6259.421	6237.190	6242.958	6210.465	6220.519
<b>25</b>	5390.181	5439.015	5364.283	5376.862	5378.437
<b>30</b>	4669.910	4633.065	4586.403	4591.797	4596.019
<b>35</b>	3668.474	3652.903	3638.167	3633.355	3571.209
<b>40</b>	2714.570	2699.409	2675.129	2663.435	2628.834
<b>45</b>	2003.706	1992.299	1995.176	1991.623	1971.119
<b>50</b>	1456.502	1474.202	1461.932	1444.628	1470.908
<b>55</b>	1060.655	1067.271	1059.382	1057.914	1046.156
<b>60</b>	767.696	786.208	781.001	783.058	779.383
<b>65</b>	612.658	604.876	602.517	608.091	601.589
<b>70</b>	481.217	475.859	474.125	470.040	469.544
<b>75</b>	338.168	338.693	340.469	338.714	335.787
<b>80</b>	195.191	197.629	190.739	196.219	190.861
<b>85</b>	83.593	80.673	80.284	82.284	75.948
<b>90</b>	31.134	28.833	29.336	26.805	26.776

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2451.24	N.A.	22.70
0-30	4936.14	N.A.	45.70
0-40	7203.94	N.A.	66.60
0-60	9739.61	N.A.	90.10
0-80	10705.07	N.A.	99.00
0-90	10809.75	N.A.	100.00
10-90	10230.25	N.A.	94.60
20-40	4752.71	N.A.	44.00
20-50	6314.9	N.A.	58.40
40-70	3146.09	N.A.	29.10
60-80	965.46	N.A.	8.90
70-80	355.04	N.A.	3.30
80-90	104.68	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	10809.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

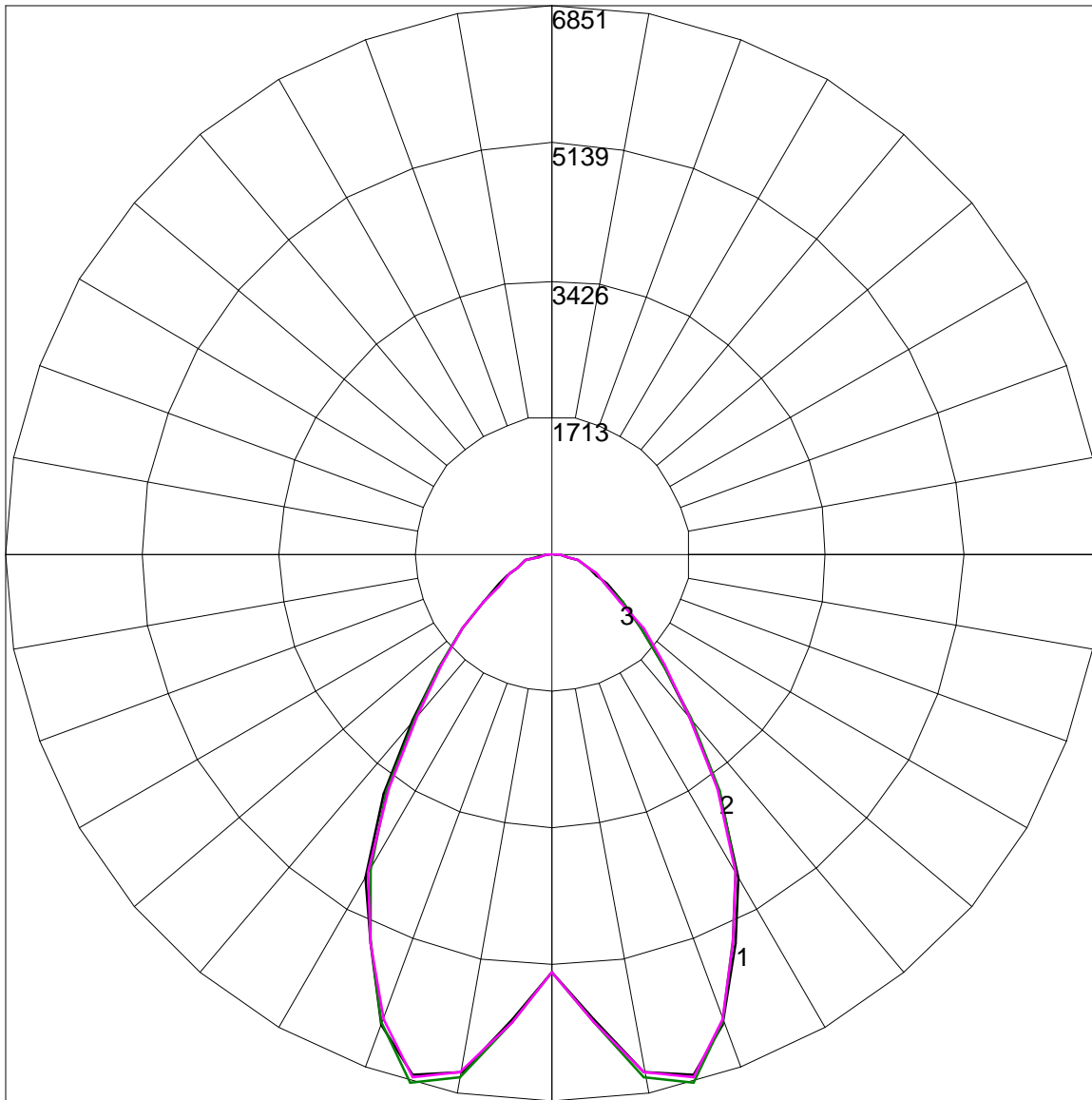
Zone	Lumens
0-10	579.50
10-20	1871.74
20-30	2484.9
30-40	2267.8
40-50	1562.19
50-60	973.48
60-70	610.42
70-80	355.04
80-90	104.68
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88
2	103	96	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 = 6851.344 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)