

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ALXXX22LEDGV-150L40KEX-AL22DR22PC.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 PC\_M-150L-Gen3

[MANUFAC] Spectrum Lighting

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

[LUMINAIRE] 22" Diam., Spun Aluminum Reflector, Clear 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 PC lens

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10755
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	102
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ALXXX22LEDGV-150L40KEX-AL22DR22PC.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17028	16495	16651
55	7972	9267	7682
65	4256	4255	4359
75	3033	3075	3108
85	1483	1447	1378

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>	5369.679	5369.679	5369.679	5369.679	5369.679
<b>5</b>	5405.457	5444.397	5328.374	5341.619	5293.847
<b>10</b>	5396.242	5289.853	5349.895	5357.152	5368.841
<b>15</b>	5443.391	5320.368	5258.985	5296.302	5276.835
<b>20</b>	5222.434	5121.662	5036.651	5086.471	5154.099
<b>25</b>	4790.711	4763.634	4750.885	4728.203	4751.795
<b>30</b>	4436.910	4435.863	4457.904	4433.060	4436.491
<b>35</b>	4113.774	4143.241	4150.498	4117.253	4163.798
<b>40</b>	3700.159	3717.794	3788.877	3689.542	3621.015
<b>45</b>	2944.922	2903.060	2852.689	2789.408	2879.809
<b>50</b>	2022.615	1983.705	1940.950	1875.963	1869.340
<b>55</b>	1118.307	1187.289	1300.037	1108.061	1077.738
<b>60</b>	625.914	607.854	610.279	596.057	615.656
<b>65</b>	439.896	442.675	439.819	442.831	450.549
<b>70</b>	315.328	317.633	318.939	315.813	316.148
<b>75</b>	192.029	196.592	194.670	199.520	196.736
<b>80</b>	96.413	95.844	97.443	97.658	93.718
<b>85</b>	31.617	28.527	30.844	28.946	29.365
<b>90</b>	9.383	10.503	10.647	8.473	10.084

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2002.00	N.A.	18.60
0-30	4199.88	N.A.	39.10
0-40	6773.08	N.A.	63.00
0-60	10049.42	N.A.	93.40
0-80	10709.89	N.A.	99.60
0-90	10755.01	N.A.	100.00
10-90	10243.5	N.A.	95.20
20-40	4771.08	N.A.	44.40
20-50	6959.27	N.A.	64.70
40-70	3724.29	N.A.	34.60
60-80	660.46	N.A.	6.10
70-80	212.52	N.A.	2.00
80-90	45.12	N.A.	0.40
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	10755.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	511.50
10-20	1490.5
20-30	2197.87
30-40	2573.21
40-50	2188.2
50-60	1088.14
60-70	447.95
70-80	212.52
80-90	45.12
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

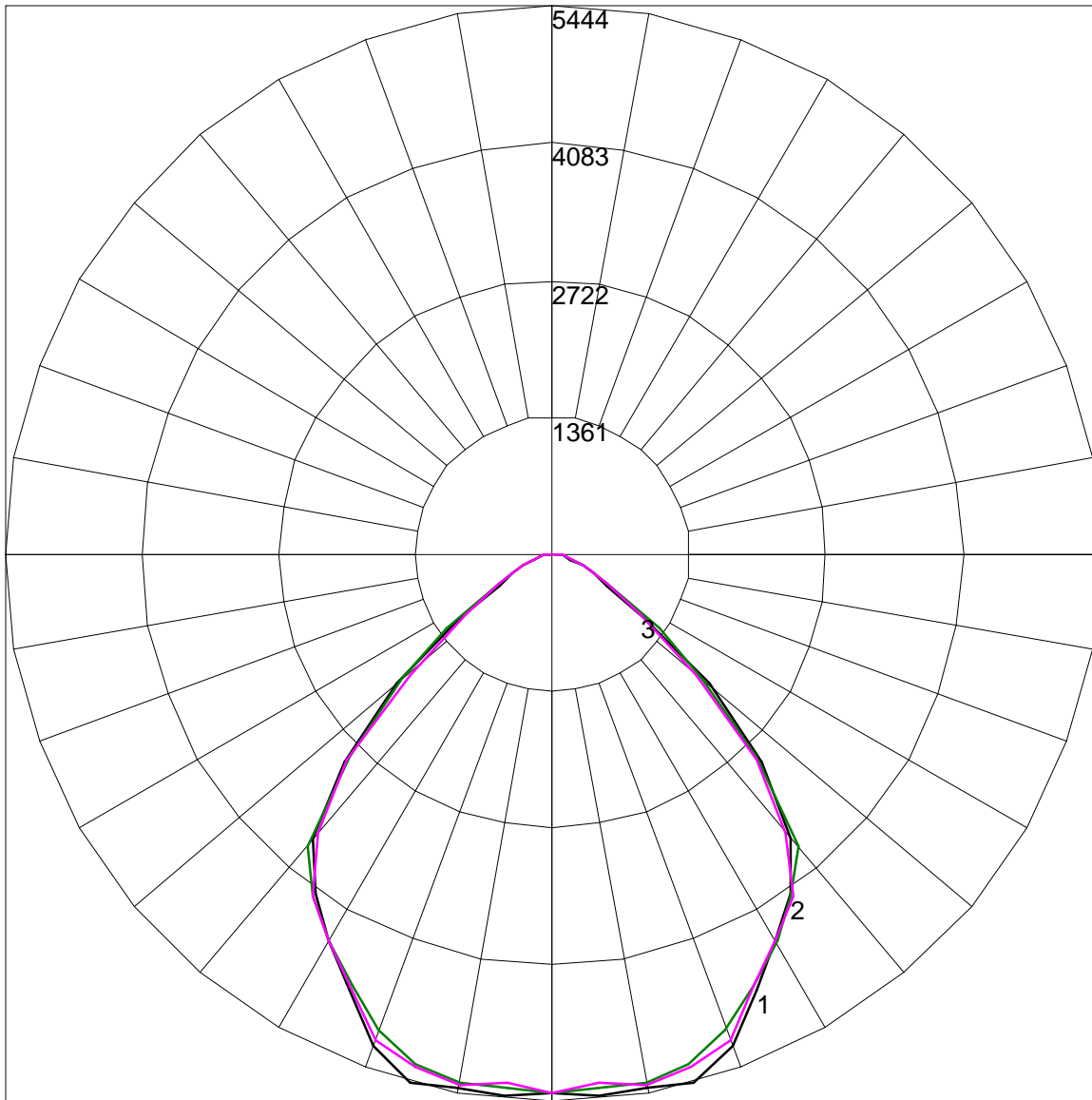
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	104	101	109	105	102	100	101	99	97	97	96	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	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	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

POLAR GRAPH



Maximum Candela = 5444.397 Located At Horizontal Angle = 22.5, 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)