

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ALXXX22LEDGV-180L40KEX-AL22DR22PC.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 PC_M-180L-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] ALxxx22LEDGV-180L-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	12918
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	116
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20452	19811	19999
55	9574	11130	9227
65	5111	5111	5235
75	3643	3694	3733
85	1781	1738	1655

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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	6449.354	6449.354	6449.354	6449.354	6449.354
5	6492.326	6539.096	6399.744	6415.653	6358.275
10	6481.258	6353.478	6425.592	6434.309	6448.347
15	6537.888	6390.128	6316.403	6361.223	6337.842
20	6272.503	6151.469	6049.364	6109.201	6190.428
25	5753.974	5721.452	5706.140	5678.897	5707.233
30	5329.035	5327.776	5354.250	5324.410	5328.531
35	4940.926	4976.318	4985.034	4945.104	5001.008
40	4444.145	4465.326	4550.702	4431.394	4349.089
45	3537.054	3486.775	3426.276	3350.271	3458.849
50	2429.299	2382.566	2331.215	2253.160	2245.206
55	1343.164	1426.015	1561.434	1330.858	1294.438
60	751.765	730.074	732.987	715.906	739.445
65	528.346	531.683	528.252	531.870	541.140
70	378.731	381.500	383.068	379.313	379.716
75	230.640	236.121	233.812	239.637	236.293
80	115.798	115.115	117.035	117.294	112.562
85	37.974	34.263	37.046	34.766	35.270
90	11.270	12.615	12.787	10.177	12.111

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2404.54	N.A.	18.60
0-30	5044.34	N.A.	39.10
0-40	8134.94	N.A.	63.00
0-60	12070.05	N.A.	93.40
0-80	12863.31	N.A.	99.60
0-90	12917.5	N.A.	100.00
10-90	12303.15	N.A.	95.20
20-40	5730.39	N.A.	44.40
20-50	8358.57	N.A.	64.70
40-70	4473.12	N.A.	34.60
60-80	793.26	N.A.	6.10
70-80	255.25	N.A.	2.00
80-90	54.19	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	12917.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	614.35
10-20	1790.19
20-30	2639.8
30-40	3090.6
40-50	2628.17
50-60	1306.94
60-70	538.01
70-80	255.25
80-90	54.19
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

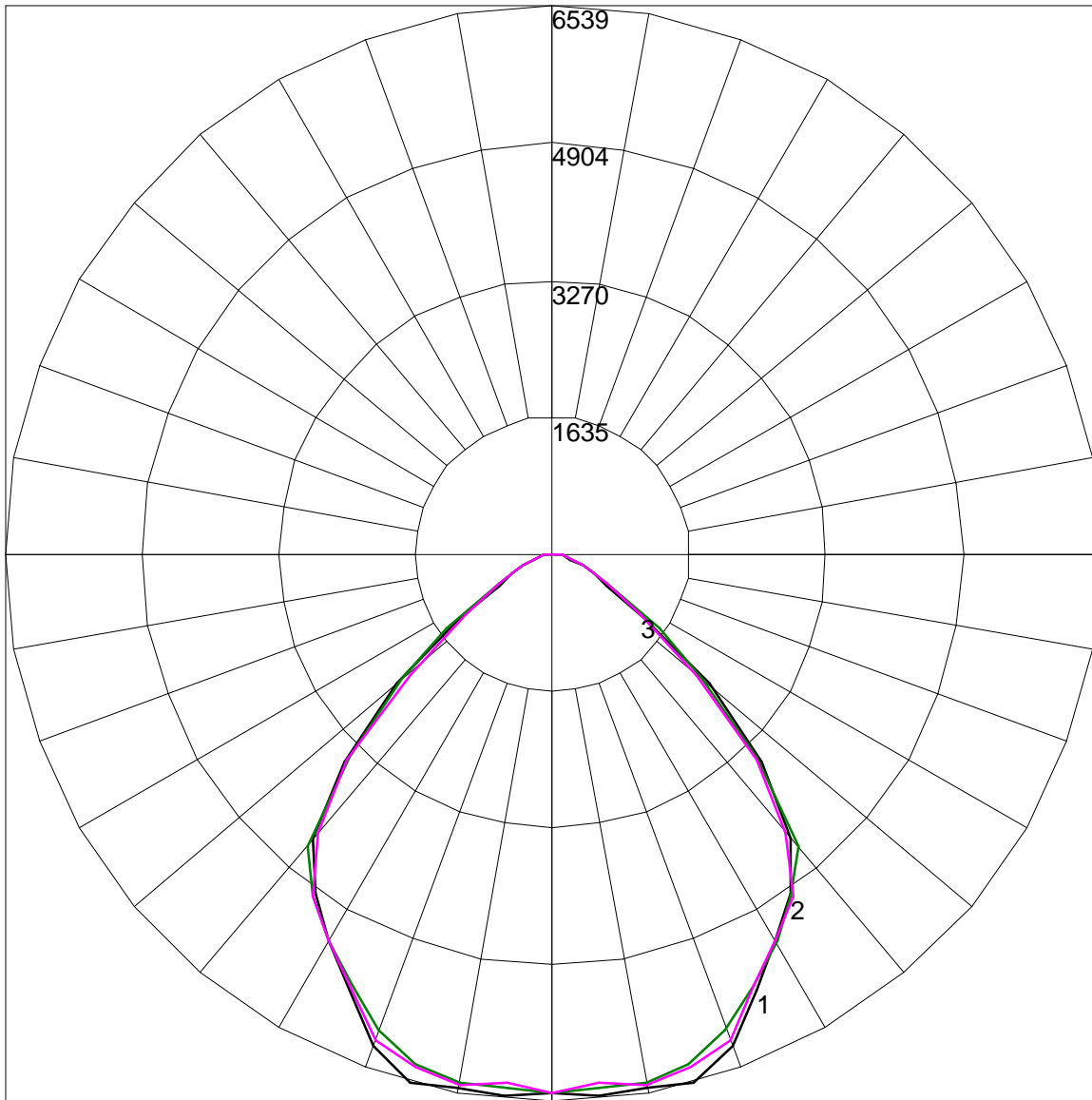
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 6539.096 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)