

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ALXXX22LEDGV-110L40KEX-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-110L-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] ALxxx22LEDGV-110L-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	8066
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	77
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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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12771	12371	12489
55	5979	6950	5762
65	3192	3191	3269
75	2275	2306	2331
85	1112	1085	1033

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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	4027.259	4027.259	4027.259	4027.259	4027.259
5	4054.093	4083.298	3996.280	4006.214	3970.385
10	4047.181	3967.390	4012.421	4017.864	4026.630
15	4082.543	3990.276	3944.239	3972.227	3957.626
20	3916.826	3841.247	3777.488	3814.853	3865.574
25	3593.033	3572.725	3563.164	3546.152	3563.846
30	3327.683	3326.897	3343.428	3324.795	3327.368
35	3085.330	3107.431	3112.874	3087.940	3122.848
40	2775.119	2788.345	2841.658	2767.157	2715.762
45	2208.692	2177.295	2139.517	2092.056	2159.857
50	1516.961	1487.778	1455.713	1406.972	1402.005
55	838.730	890.466	975.028	831.046	808.304
60	469.435	455.890	457.709	447.043	461.742
65	329.922	332.006	329.864	332.123	337.912
70	236.496	238.225	239.204	236.860	237.111
75	144.022	147.444	146.002	149.640	147.552
80	72.310	71.883	73.082	73.244	70.289
85	23.712	21.395	23.133	21.709	22.024
90	7.037	7.877	7.985	6.355	7.563

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1501.5	N.A.	18.60
0-30	3149.91	N.A.	39.10
0-40	5079.81	N.A.	63.00
0-60	7537.07	N.A.	93.40
0-80	8032.42	N.A.	99.60
0-90	8066.25	N.A.	100.00
10-90	7682.63	N.A.	95.20
20-40	3578.31	N.A.	44.40
20-50	5219.46	N.A.	64.70
40-70	2793.21	N.A.	34.60
60-80	495.35	N.A.	6.10
70-80	159.39	N.A.	2.00
80-90	33.84	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	8066.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	383.63
10-20	1117.88
20-30	1648.4
30-40	1929.9
40-50	1641.15
50-60	816.11
60-70	335.96
70-80	159.39
80-90	33.84
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

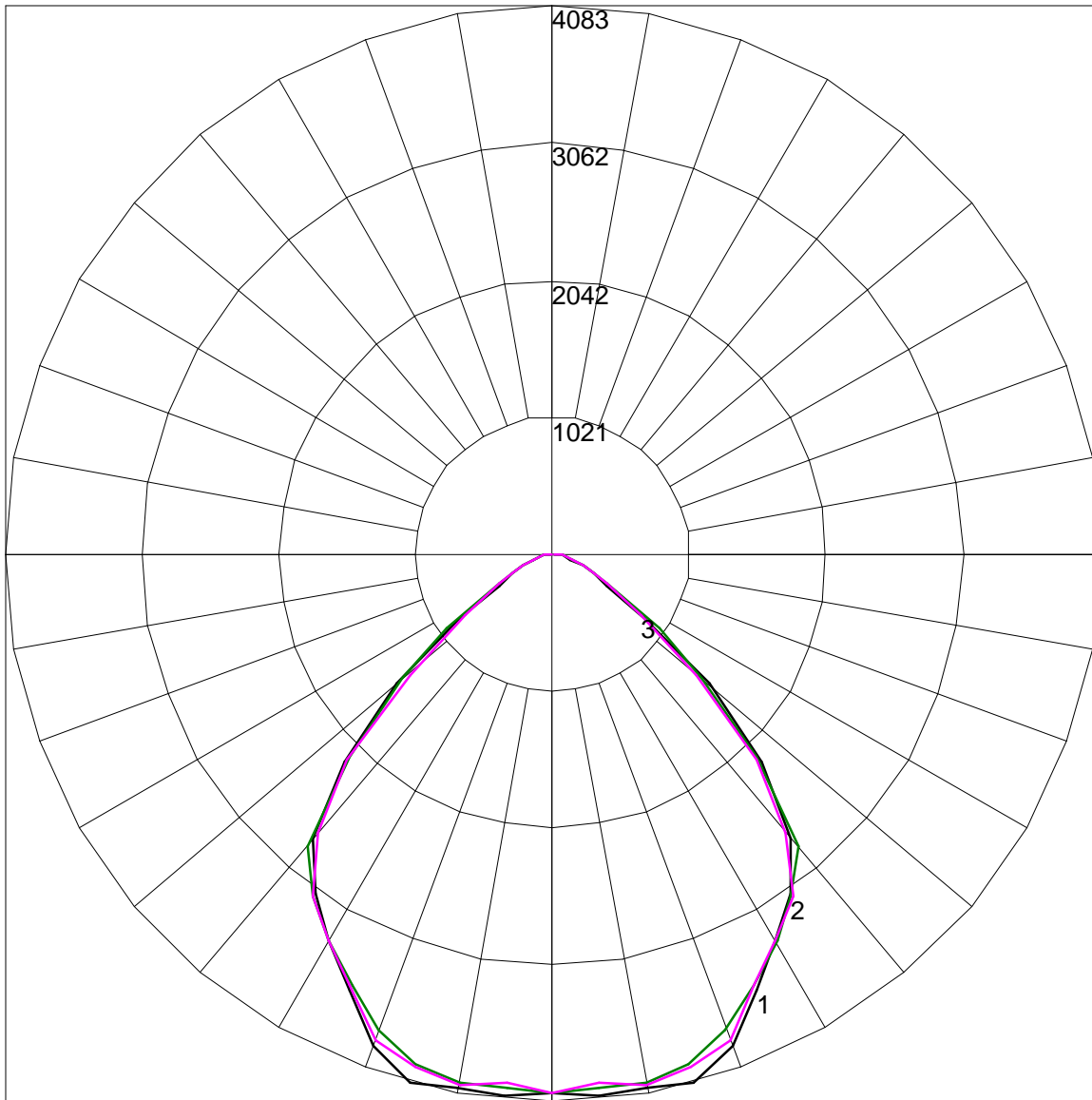
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4083.298 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)