

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

[MANUFAC] Spectrum Lighting

[LUMCAT] ALxxx22LEDGV-110L-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	6750
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	77
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	7235	7204	7117
55	4721	4715	4657
65	3701	3640	3634
75	3336	3359	3312
85	2449	2352	2225

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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	3265.550	3265.550	3265.550	3265.550	3265.550
5	3657.973	3652.045	3676.207	3670.642	3677.069
10	4106.328	4118.525	4151.341	4144.438	4123.331
15	4224.145	4245.706	4278.279	4255.492	4248.207
20	3908.656	3894.775	3898.377	3878.086	3884.365
25	3365.865	3396.359	3349.693	3357.548	3358.531
30	2916.096	2893.089	2863.951	2867.319	2869.956
35	2290.756	2281.033	2271.831	2268.826	2230.019
40	1695.096	1685.629	1670.468	1663.165	1641.559
45	1251.202	1244.079	1245.875	1243.657	1230.853
50	909.504	920.556	912.895	902.089	918.499
55	662.319	666.451	661.524	660.608	653.265
60	479.383	490.943	487.691	488.976	486.681
65	382.570	377.711	376.238	379.719	375.659
70	300.493	297.147	296.065	293.514	293.204
75	211.167	211.495	212.604	211.508	209.680
80	121.886	123.408	119.106	122.528	119.182
85	52.199	50.376	50.133	51.382	47.425
90	19.442	18.004	18.319	16.738	16.720

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1530.66	N.A.	22.70
0-30	3082.34	N.A.	45.70
0-40	4498.46	N.A.	66.60
0-60	6081.84	N.A.	90.10
0-80	6684.71	N.A.	99.00
0-90	6750.08	N.A.	100.00
10-90	6388.22	N.A.	94.60
20-40	2967.8	N.A.	44.00
20-50	3943.3	N.A.	58.40
40-70	1964.56	N.A.	29.10
60-80	602.88	N.A.	8.90
70-80	221.70	N.A.	3.30
80-90	65.36	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	6750.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	361.86
10-20	1168.8
20-30	1551.68
30-40	1416.12
40-50	975.50
50-60	607.88
60-70	381.18
70-80	221.70
80-90	65.36
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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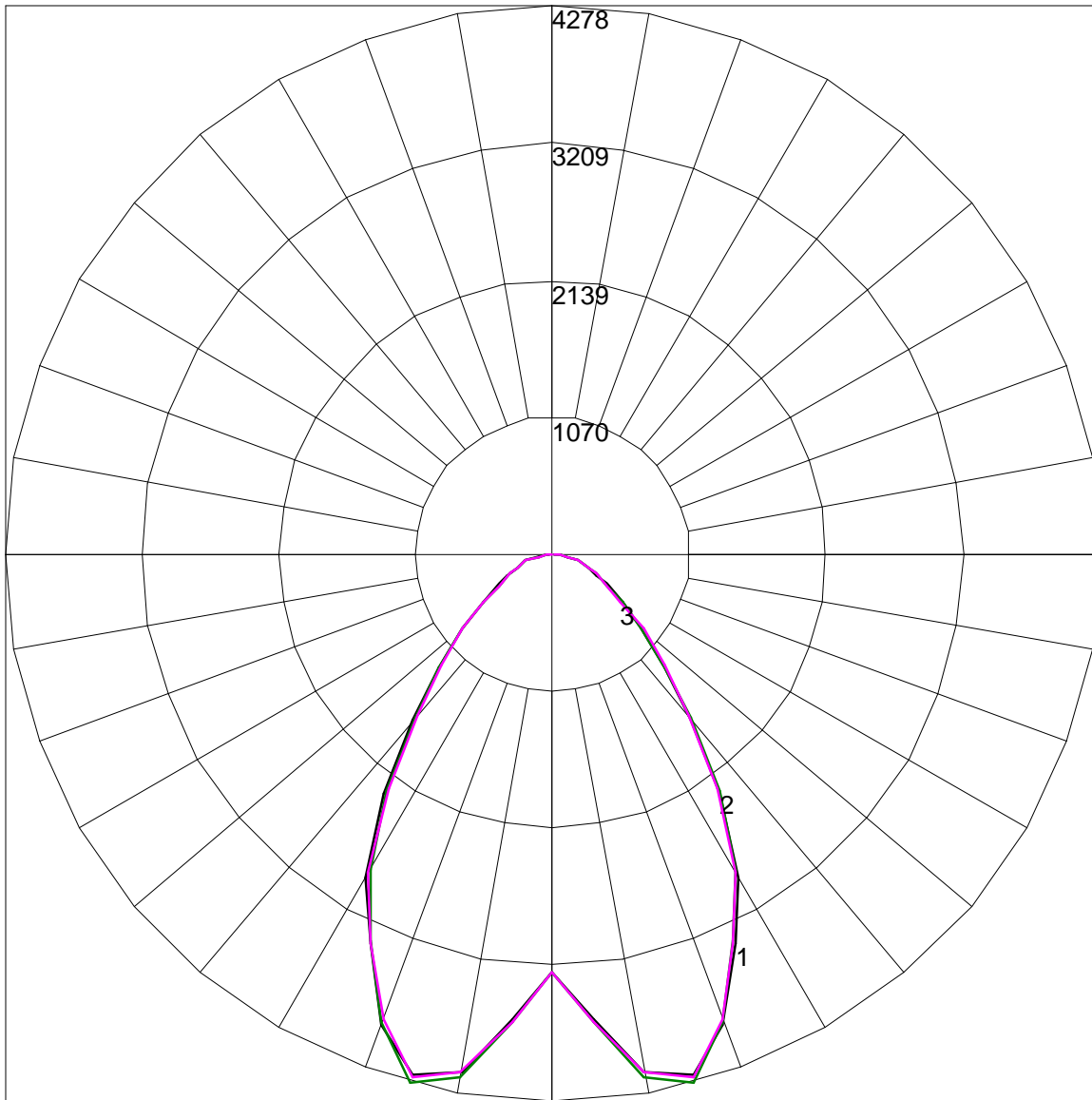
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4278.279 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)