

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ALXXX22LEDGV-180L40KEX-AL22DR22FO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2017.0.4 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Fri Apr 14 2017

[UPDATE] Tue Sep 5 2017

[TEST] 101537614CRT-010 with FO_M-180L-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] ALxxx22LEDGV-180L-40K-EX-AL22-DR22-FO

[LUMINAIRE] 22" Diam., Spun Aluminum Reflector, White Optical 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 FO lens

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8861
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	116
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.18
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-180L40KEX-AL22DR22FO.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12060	12051	12149
55	11113	11011	10985
65	9546	9518	9508
75	7026	7058	6858
85	3643	3748	3583

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : ALXXX22LEDGV-180L40KEX-AL22DR22FO.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3600.783	3600.783	3600.783	3600.783	3600.783
5	3575.985	3619.539	3554.186	3711.309	3568.865
10	3496.887	3537.069	3436.330	3452.584	3469.665
15	3392.258	3351.853	3400.867	3354.572	3412.396
20	3214.874	3243.175	3235.882	3239.665	3203.173
25	3032.967	3015.440	3027.250	3003.415	2981.163
30	2867.012	2817.157	2832.339	2816.912	2804.628
35	2615.198	2595.449	2613.465	2597.441	2607.359
40	2366.851	2344.031	2340.155	2355.682	2327.590
45	2085.795	2092.922	2084.134	2103.193	2101.121
50	1836.751	1822.316	1819.835	1818.842	1843.331
55	1559.003	1555.608	1544.676	1554.536	1541.109
60	1277.306	1258.960	1260.707	1249.653	1246.956
65	986.750	974.437	983.830	982.255	982.852
70	686.167	704.492	702.184	692.172	698.926
75	444.782	445.616	446.781	438.036	434.124
80	221.794	217.055	215.796	215.465	217.357
85	77.652	78.903	79.903	77.487	76.386
90	28.365	28.531	27.962	25.978	24.798

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ALXXX22LEDGV-180L40KEX-AL22DR22FO.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1291.27	N.A.	14.60
0-30	2685.19	N.A.	30.30
0-40	4310.85	N.A.	48.60
0-60	7308.29	N.A.	82.50
0-80	8752.33	N.A.	98.80
0-90	8861.48	N.A.	100.00
10-90	8521.54	N.A.	96.20
20-40	3019.59	N.A.	34.10
20-50	4633.55	N.A.	52.30
40-70	3966.97	N.A.	44.80
60-80	1444.04	N.A.	16.30
70-80	474.51	N.A.	5.40
80-90	109.15	N.A.	1.20
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	8861.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

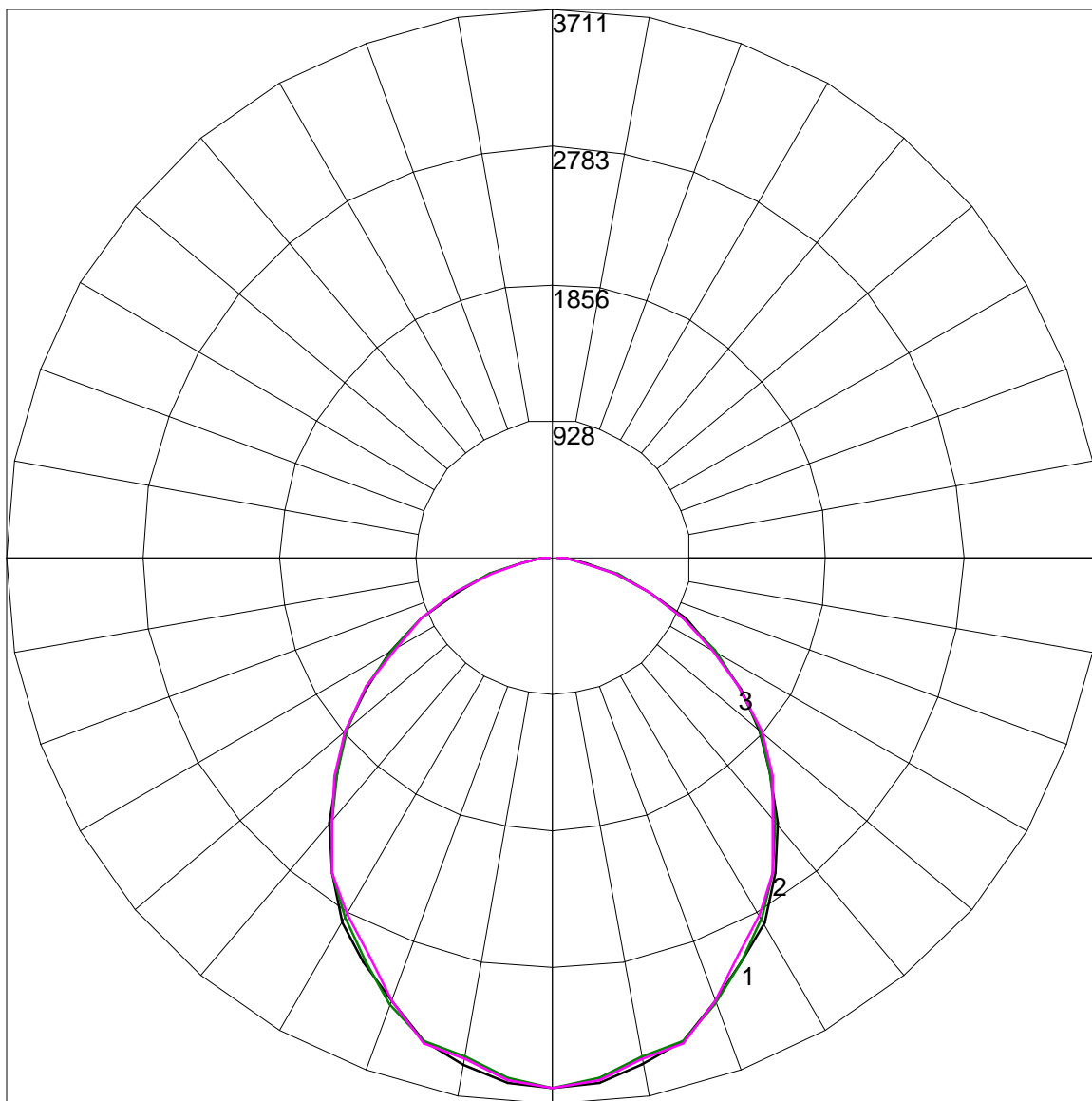
Zone	Lumens
0-10	339.95
10-20	951.32
20-30	1393.92
30-40	1625.67
40-50	1613.97
50-60	1383.47
60-70	969.53
70-80	474.51
80-90	109.15
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	80	77	74	72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	55	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 3711.309 Located At Horizontal Angle = 67.5, 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)