

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : ALXXX22LEDGV-150L40KEX-AL22.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST]

[TESTLAB]Intertek

[ISSUE DATE] 6/ 6/2014

[UPDATE] 9/5/2017

[LAB-REF LUMCAT] 1405080952-001A\_M-ALxxx-150L-Gen3

[MANUFAC]SPECTRUM

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

[LUMINAIRE] 22" Diam., Spun Aluminum Reflector, Open Aperture

[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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11997
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
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)	1.32
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	18957	18287	18387
55	9133	10700	8753
65	5441	5452	5471
75	5062	5099	5121
85	3753	3683	3455

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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>
0.0	5765.486	5765.486	5765.486	5765.486	5765.486
2.5	5777.701	5778.001	5773.091	5772.851	5786.025
5.0	5804.827	5807.821	5795.725	5795.965	5806.444
7.5	5817.162	5800.336	5798.540	5801.354	5812.252
10.0	5840.456	5783.031	5765.725	5796.863	5837.342
12.5	5852.132	5772.432	5716.684	5785.965	5842.252
15.0	5838.300	5736.265	5672.672	5762.073	5826.384
17.5	5812.911	5658.540	5585.187	5710.576	5797.162
20.0	5723.869	5531.595	5462.373	5585.966	5702.552
22.5	5510.577	5350.877	5307.823	5372.553	5500.457
25.0	5212.973	5156.926	5138.662	5161.237	5223.332
27.5	4978.723	4989.501	4990.998	4981.597	4987.585
30.0	4783.274	4818.124	4841.597	4810.580	4790.460
32.5	4638.724	4651.359	4666.808	4652.377	4629.383
35.0	4514.533	4509.683	4498.904	4508.485	4501.419
37.5	4344.474	4348.965	4348.546	4331.180	4307.168
40.0	4082.139	4125.193	4187.588	4052.020	4005.373
42.5	3684.416	3752.500	3804.596	3633.099	3581.123
45.0	3278.610	3221.424	3162.742	3099.808	3179.987
47.5	2861.246	2627.475	2516.936	2550.708	2718.253
50.0	2273.763	2186.398	2137.476	2093.465	2077.836
52.5	1630.772	1818.376	1950.531	1674.844	1524.904
55.0	1281.192	1369.096	1501.132	1281.731	1227.899
57.5	980.116	913.649	978.200	884.967	925.625
60.0	697.722	671.734	666.884	665.985	692.033
62.5	613.650	612.812	615.147	611.016	614.788
65.0	562.393	560.537	563.591	561.495	565.507
67.5	502.872	502.333	505.447	505.447	508.800
70.0	442.453	443.890	446.346	447.962	449.399
72.5	381.016	383.591	384.130	388.501	388.082
75.0	320.418	322.873	322.753	327.304	324.190
77.5	261.556	262.634	260.538	266.226	262.155
80.0	202.394	202.275	200.119	203.472	199.460
82.5	141.676	141.137	139.341	139.820	136.347
85.0	80.000	78.862	78.503	75.988	73.652
87.5	25.209	24.192	25.209	22.635	21.796
90.0	1.018	0.120	2.096	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2173.64	N.A.	18.10
0-30	4562.31	N.A.	38.00
0-40	7373.73	N.A.	61.50
0-60	11006.98	N.A.	91.80
0-80	11903.38	N.A.	99.20
0-90	11996.51	N.A.	100.00
10-90	11443.17	N.A.	95.40
20-40	5200.1	N.A.	43.30
20-50	7623.96	N.A.	63.60
40-70	4187.92	N.A.	34.90
60-80	896.41	N.A.	7.50
70-80	341.73	N.A.	2.80
80-90	93.12	N.A.	0.80
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	11996.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	553.34
10-20	1620.3
20-30	2388.67
30-40	2811.43
40-50	2423.86
50-60	1209.38
60-70	554.68
70-80	341.73
80-90	93.12
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

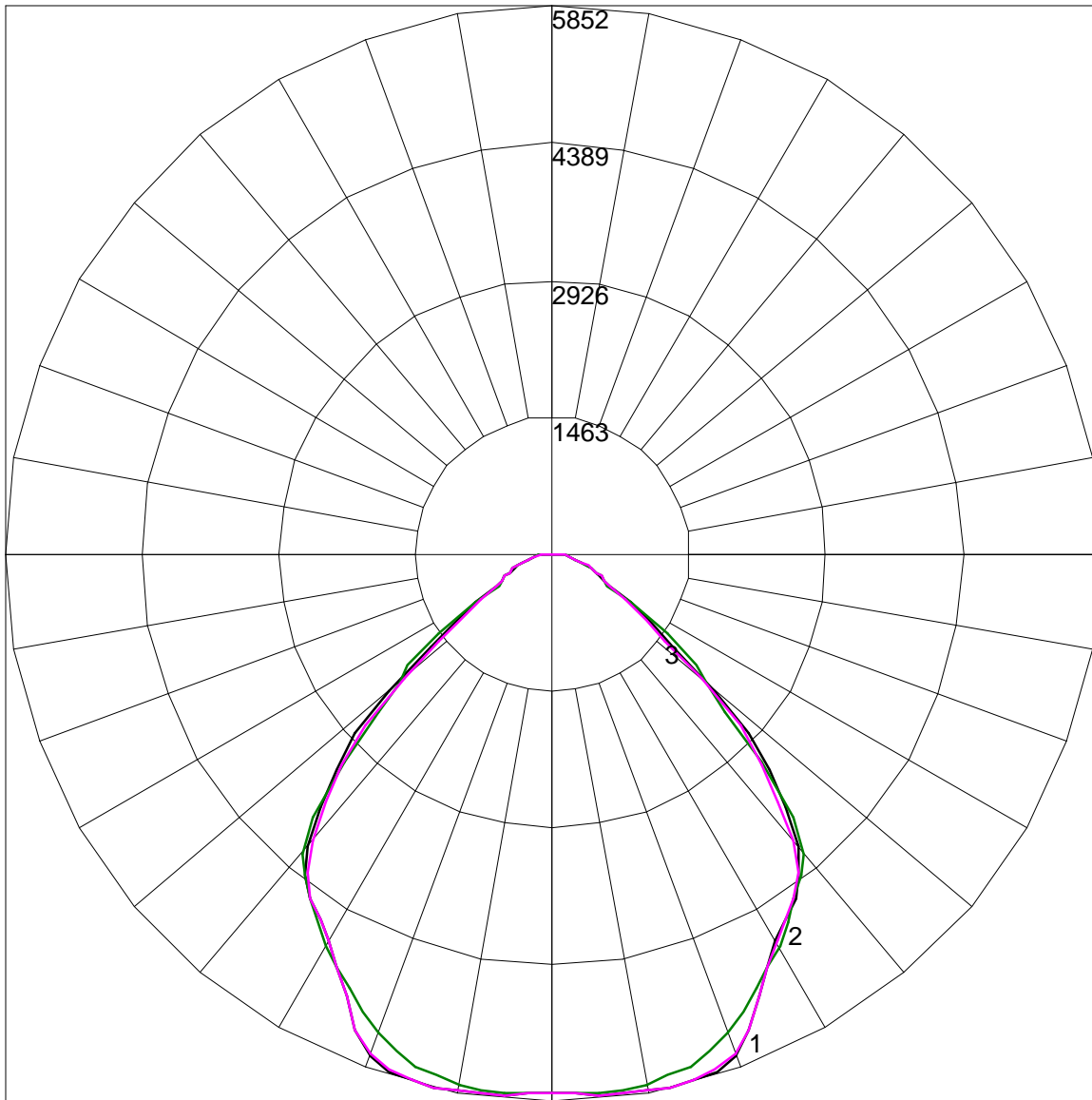
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50	60	54	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39
9	62	50	43	38	61	50	42	38	49	42	37	47	41	37	47	41	37	35
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32

POLAR GRAPH



Maximum Candela = 5852.132 Located At Horizontal Angle = 0, Vertical Angle = 12.5

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)