

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ALXXX22LEDLX-130L35KE1-AL22.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TEST] SP-00011_27_M-130L_LX

[TESTDATE] Wed Feb 11 2015

[UPDATE] Tue Jul 19 2016

[MANUFAC] Spectrum Lighting

[LUMCAT] ALDDH22LEDLX or ALEXT22LEDLX-130L-35K-E1/AL22

[LUMINAIRE] LED High Bay: 22" Dia. Alum. Reflector, Open Aperture

[REFLECTOR] Inside: Matte White powder coat painted

[LAMP] LED

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 40K x 1.03, 30K x 0.979, 27K x 0.959

[OTHER] This report prepared by Spectrum Lighting, scaled from 90W

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11996
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	117
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.06
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.87 ft (Diameter)
Luminous Width (90-270)	1.87 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20354	20664	20591
55	9044	9047	9037
65	4155	4080	4179
75	4064	4207	4151
85	3218	3140	3175

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CANDELA TABULATION

	<u>0</u>	<u>45</u>	<u>90</u>
0	6415.001	6415.001	6415.001
5	6120.486	6105.109	6089.104
10	5702.741	5671.346	5658.252
15	5349.558	5314.471	5306.629
20	5095.925	5085.311	5141.862
25	4784.096	4790.322	4797.036
30	4559.338	4521.827	4501.365
35	4299.854	4295.063	4260.756
40	4022.653	3980.045	4024.910
45	3662.798	3718.611	3705.351
50	3149.319	3146.269	3142.285
55	1320.177	1320.595	1319.188
60	502.071	508.980	509.969
65	446.842	438.777	449.475
70	366.946	374.843	370.149
75	267.701	277.131	273.398
80	171.090	171.020	180.018
85	71.386	69.645	70.425
90	4.095	4.945	4.207

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2082.49	N.A.	17.40
0-30	4299.05	N.A.	35.80
0-40	6980.00	N.A.	58.20
0-60	11183.48	N.A.	93.20
0-80	11909.44	N.A.	99.30
0-90	11996.11	N.A.	100.00
10-90	11425.00	N.A.	95.20
20-40	4897.51	N.A.	40.80
20-50	7707.44	N.A.	64.20
40-70	4641.07	N.A.	38.70
60-80	725.96	N.A.	6.10
70-80	288.37	N.A.	2.40
80-90	86.67	N.A.	0.70
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	11996.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	571.11
10-20	1511.38
20-30	2216.56
30-40	2680.95
40-50	2809.93
50-60	1393.55
60-70	437.59
70-80	288.37
80-90	86.67
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

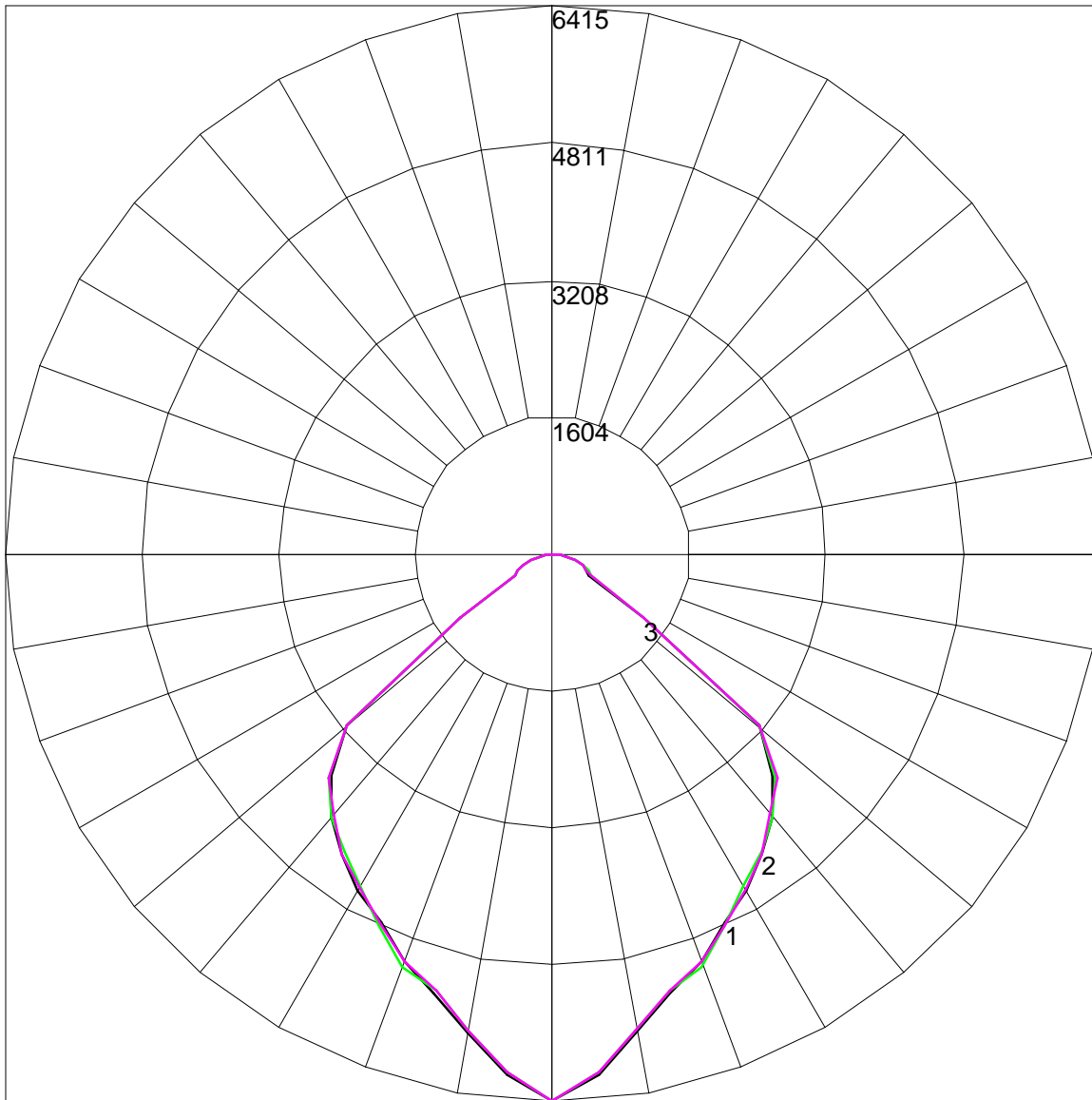
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60
5	82	70	63	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47
7	71	58	51	45	69	58	50	45	56	49	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	40	52	45	40	51	44	40	49	44	40	38
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	43	37	33	31

POLAR GRAPH



Maximum Candela = 6415.001 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)