

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ALXXX22LEDLX-140L35KE1-AL22.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2014.1.0 see: www.ltiopics.com/ies
 [ISSUE DATE]
 [TEST] SP-00011_27_M-140L_LX
 [TEST DATE] Wed Feb 11 2015
 [UPDATE] Tue Jul 19 2016
 [MANUFAC] Spectrum Lighting
 [LUMCAT] ALDDH22LEDLX or ALEXT22LEDLX-140L-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	12956
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	126
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	21982	22317	22237
55	9767	9771	9760
65	4487	4406	4513
75	4389	4544	4483
85	3476	3391	3429

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CANDELA TABULATION

	<u>0</u>	<u>45</u>	<u>90</u>
0	6928.054	6928.054	6928.054
5	6609.984	6593.377	6576.093
10	6158.830	6124.923	6110.782
15	5777.400	5739.506	5731.037
20	5503.482	5492.019	5553.093
25	5166.714	5173.438	5180.689
30	4923.980	4883.469	4861.371
35	4643.744	4638.569	4601.518
40	4344.373	4298.357	4346.810
45	3955.737	4016.015	4001.694
50	3401.192	3397.898	3393.595
55	1425.760	1426.212	1424.692
60	542.225	549.686	550.754
65	482.579	473.870	485.423
70	396.293	404.822	399.753
75	289.111	299.296	295.264
80	184.773	184.698	194.416
85	77.095	75.215	76.057
90	4.423	5.340	4.543

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2249.04	N.A.	17.40
0-30	4642.88	N.A.	35.80
0-40	7538.24	N.A.	58.20
0-60	12077.9	N.A.	93.20
0-80	12861.92	N.A.	99.30
0-90	12955.52	N.A.	100.00
10-90	12338.73	N.A.	95.20
20-40	5289.2	N.A.	40.80
20-50	8323.86	N.A.	64.20
40-70	5012.25	N.A.	38.70
60-80	784.02	N.A.	6.10
70-80	311.43	N.A.	2.40
80-90	93.60	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	12955.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	616.79
10-20	1632.26
20-30	2393.83
30-40	2895.36
40-50	3034.66
50-60	1505.00
60-70	472.58
70-80	311.43
80-90	93.60
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

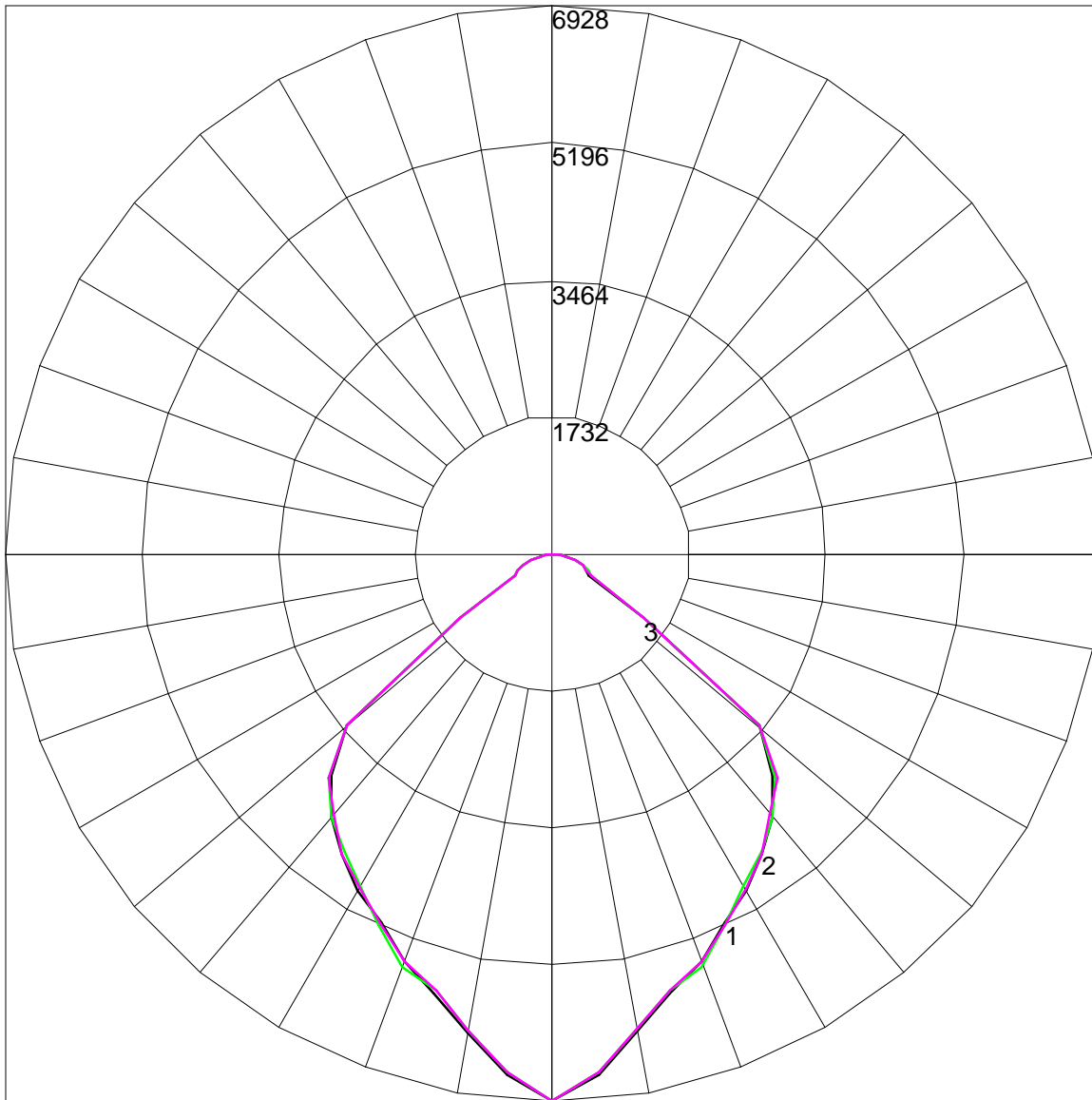
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 6928.054 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)