

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ALXXX16LEDLX-100L35KE1-AL16MWDR16FO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2015.1.1 see: www.ltiopics.com/ies

[ISSUEDATE]

[TESTDATE] Mon Jun 27 17:19:16 2016

[UPDATE] Tue Jun 28 2016

[TEST] SP-00467_14_M-100L

[MANUFAC] Spectrum Lighting

[LUMCAT] ALxxx16LEDLX-100L-35K-E1-AL16-MW-DR16 FO

[LUMINAIRE] 16" Diam. LED Low Bay: ALDDH and ALEXT Series, Spun Aluminum Reflector

[OTHER] Matte white, inside reflector finish

[OTHER] Spun Alum. Door; Flat Lens, White Optical Acrylic

[LAMP] N/A

[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 130L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6868
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	88
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.06
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.04
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.29 ft (Diameter)
Luminous Width (90-270)	1.29 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13221	13471	13225
55	9932	9933	9867
65	7103	6941	7228
75	4335	4243	4553
85	3131	3203	3307

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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	4501.212	4501.212	4501.212	4501.212	4501.212
5	4497.222	4411.136	4357.308	4517.590	4484.275
10	4578.024	4512.481	4541.398	4453.400	4522.768
15	4422.851	4406.571	4392.513	4371.373	4401.288
20	4132.329	4124.144	4117.478	4136.720	4125.565
25	3579.718	3630.818	3680.912	3638.610	3711.734
30	3017.970	3010.639	3019.882	3012.702	2996.150
35	2288.789	2282.063	2284.935	2312.604	2339.927
40	1651.808	1622.997	1631.772	1631.145	1624.146
45	1139.754	1146.322	1161.294	1162.458	1140.094
50	905.683	886.659	886.931	893.650	881.482
55	694.482	683.462	694.565	697.800	689.962
60	532.242	520.776	508.540	519.809	520.527
65	365.989	359.610	357.637	364.832	372.383
70	235.802	229.159	231.736	230.073	232.741
75	136.792	135.454	133.890	135.727	143.662
80	78.369	72.186	70.970	72.557	78.837
85	33.270	34.865	34.034	32.794	35.137
90	5.147	4.913	4.671	5.336	4.406
95	0.000	0.015	0.151	0.076	0.113
100	0.000	0.038	0.038	0.015	0.189
105	0.076	0.098	0.076	0.189	0.128
110	0.446	0.280	0.280	0.038	0.302
115	0.522	0.453	0.227	0.416	0.333
120	1.610	0.635	0.658	0.605	0.544
125	0.695	0.680	0.627	0.733	1.126
130	1.005	0.650	0.665	0.748	0.642
135	0.355	1.103	0.967	1.421	0.673
140	0.506	0.476	0.877	0.476	0.499
145	0.166	0.582	0.680	0.960	0.385
150	0.809	0.310	0.544	0.612	0.295
155	0.945	0.756	1.103	0.794	0.854
160	0.899	1.141	1.156	1.103	1.209
165	1.141	1.421	0.960	2.094	0.710
170	2.373	1.890	1.723	2.857	1.323
175	0.756	1.119	1.232	0.846	2.577
180	2.676	2.676	2.676	2.676	2.676

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Zone	Lumens	%Lamp	%Fixt
0-20	1658.33	N.A.	24.10
0-30	3316.9	N.A.	48.30
0-40	4754.59	N.A.	69.20
0-60	6306.65	N.A.	91.80
0-80	6823.69	N.A.	99.40
0-90	6863.56	N.A.	99.90
10-90	6436.14	N.A.	93.70
20-40	3096.26	N.A.	45.10
20-50	4024.4	N.A.	58.60
40-70	1916.84	N.A.	27.90
60-80	517.04	N.A.	7.50
70-80	152.26	N.A.	2.20
80-90	39.88	N.A.	0.60
90-110	1.54	N.A.	0.00
90-120	1.97	N.A.	0.00
90-130	2.63	N.A.	0.00
90-150	3.64	N.A.	0.10
90-180	4.60	N.A.	0.10
110-180	3.06	N.A.	0.00
0-180	6868.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	427.42
10-20	1230.91
20-30	1658.57
30-40	1437.69
40-50	928.14
50-60	623.92
60-70	364.78
70-80	152.26
80-90	39.88
90-100	1.40
100-110	0.14
110-120	0.43
120-130	0.66
130-140	0.64
140-150	0.37
150-160	0.39
160-170	0.41
170-180	0.16

IES INDOOR REPORT

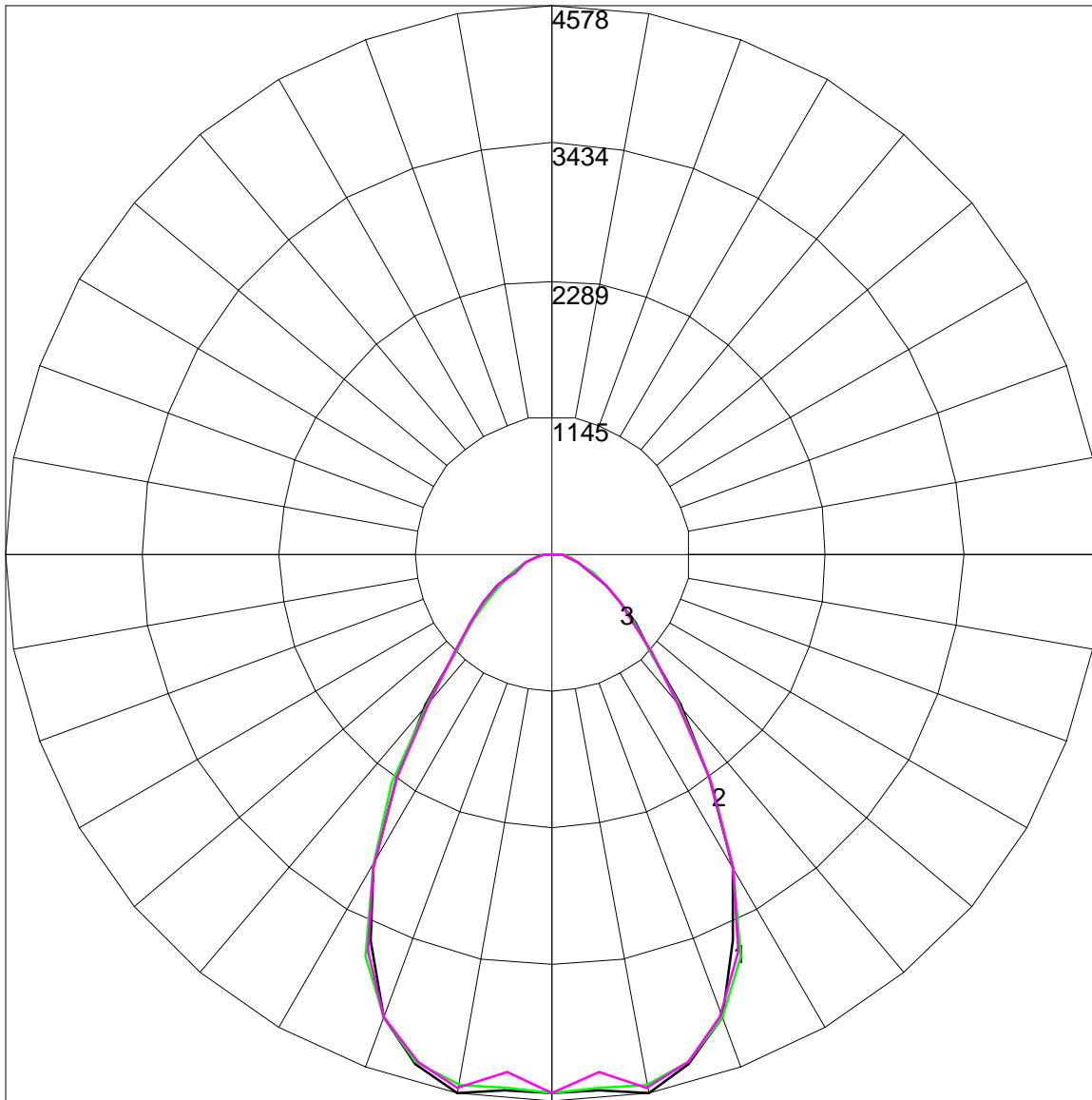
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	72	71
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	74	66	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57
6	79	68	60	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

POLAR GRAPH



Maximum Candela = 4578.024 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (45 - 225)