

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ALXXX16LEDLX-65L35KE1-AL16MWDR16FO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Mon Jun 27 17:19:16 2016

[UPDATE] Tue Jun 28 2016

[TEST] SP-00467_14_M-65L

[MANUFAC] Spectrum Lighting

[LUMCAT] ALxxx16LEDLX-65L-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

[LAMP CAT] 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	4579
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	59
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	8815	8981	8817
55	6621	6622	6578
65	4736	4628	4819
75	2890	2829	3036
85	2088	2136	2205

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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	3001.007	3001.007	3001.007	3001.007	3001.007
5	2998.346	2940.952	2905.064	3011.926	2989.714
10	3052.218	3008.520	3027.799	2969.130	3015.378
15	2948.762	2937.908	2928.536	2914.442	2934.386
20	2755.068	2749.611	2745.167	2757.996	2750.558
25	2386.637	2420.705	2454.104	2425.901	2474.653
30	2012.113	2007.225	2013.388	2008.601	1997.565
35	1525.960	1521.476	1523.390	1541.838	1560.054
40	1101.278	1082.070	1087.920	1087.502	1082.836
45	759.886	764.265	774.247	775.023	760.113
50	603.828	591.145	591.327	595.806	587.694
55	463.019	455.672	463.074	465.231	460.005
60	354.851	347.207	339.049	346.562	347.041
65	244.009	239.756	238.440	243.238	248.272
70	157.212	152.782	154.501	153.392	155.171
75	91.201	90.309	89.266	90.490	95.781
80	52.249	48.127	47.316	48.374	52.562
85	22.182	23.245	22.691	21.864	23.426
90	3.432	3.275	3.114	3.558	2.938
95	0.000	0.010	0.101	0.050	0.076
100	0.000	0.025	0.025	0.010	0.126
105	0.050	0.066	0.050	0.126	0.086
110	0.297	0.186	0.186	0.025	0.202
115	0.348	0.302	0.151	0.277	0.222
120	1.073	0.423	0.438	0.403	0.363
125	0.464	0.454	0.418	0.489	0.751
130	0.670	0.433	0.443	0.499	0.428
135	0.237	0.736	0.645	0.947	0.448
140	0.338	0.317	0.585	0.317	0.333
145	0.111	0.388	0.454	0.640	0.257
150	0.539	0.207	0.363	0.408	0.197
155	0.630	0.504	0.736	0.529	0.569
160	0.600	0.761	0.771	0.736	0.806
165	0.761	0.947	0.640	1.396	0.474
170	1.582	1.260	1.149	1.905	0.882
175	0.504	0.746	0.821	0.564	1.718
180	1.784	1.784	1.784	1.784	1.784

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Zone	Lumens	%Lamp	%Fixt
0-20	1105.62	N.A.	24.10
0-30	2211.41	N.A.	48.30
0-40	3169.94	N.A.	69.20
0-60	4204.71	N.A.	91.80
0-80	4549.42	N.A.	99.40
0-90	4576.01	N.A.	99.90
10-90	4291.05	N.A.	93.70
20-40	2064.31	N.A.	45.10
20-50	2683.11	N.A.	58.60
40-70	1277.98	N.A.	27.90
60-80	344.71	N.A.	7.50
70-80	101.51	N.A.	2.20
80-90	26.59	N.A.	0.60
90-110	1.03	N.A.	0.00
90-120	1.31	N.A.	0.00
90-130	1.75	N.A.	0.00
90-150	2.43	N.A.	0.10
90-180	3.06	N.A.	0.10
110-180	2.04	N.A.	0.00
0-180	4579.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	284.96
10-20	820.66
20-30	1105.79
30-40	958.52
40-50	618.80
50-60	415.97
60-70	243.20
70-80	101.51
80-90	26.59
90-100	0.93
100-110	0.09
110-120	0.29
120-130	0.44
130-140	0.43
140-150	0.25
150-160	0.26
160-170	0.27
170-180	0.11

IES INDOOR REPORT

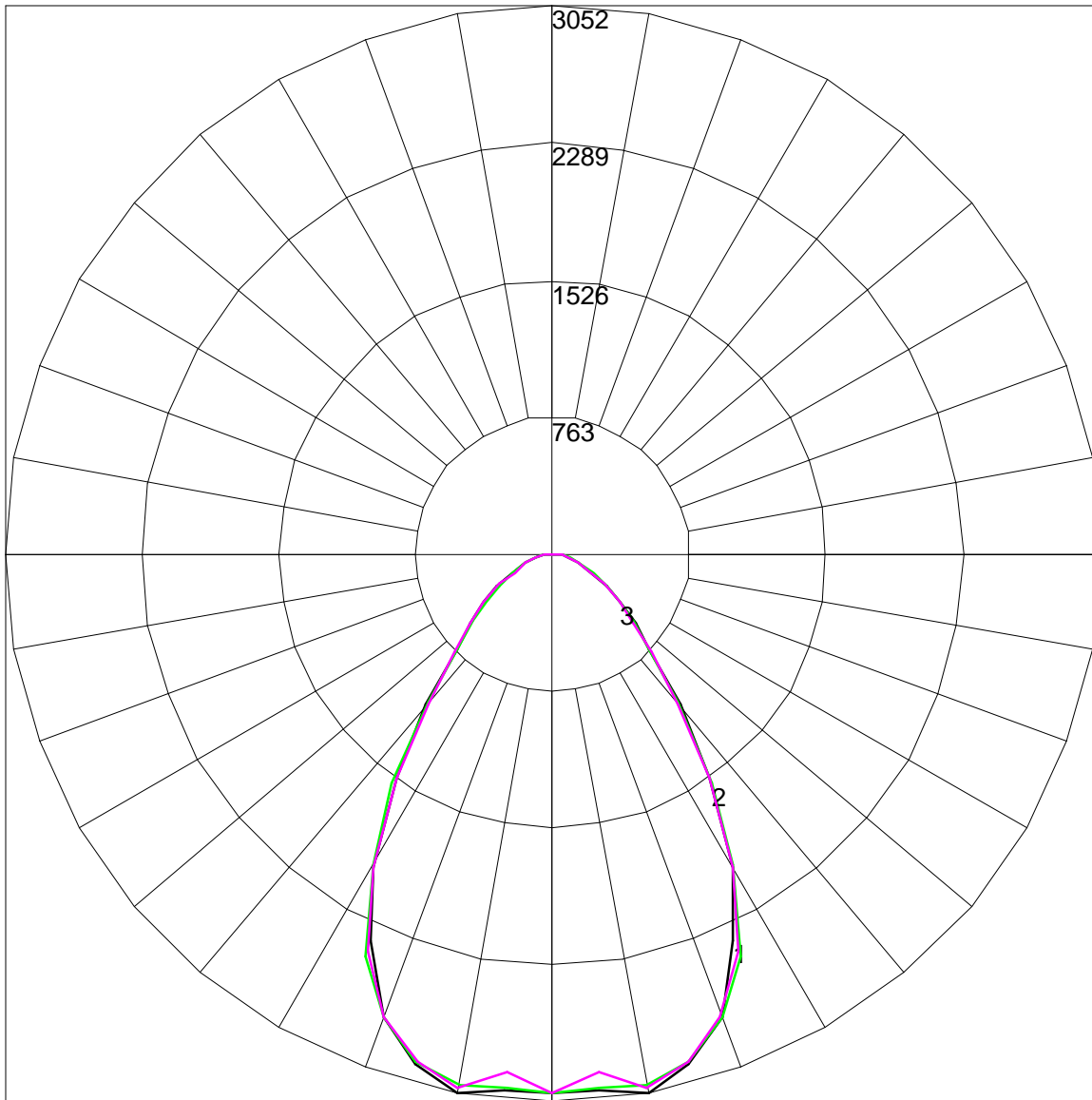
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3052.218 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)