

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ALXXX16LEDLX-130L35KE1-AL16MWDR16FO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

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

[UPDATE] Tue Jun 28 2016

[TEST] SP-00467_14

[MANUFAC] Spectrum Lighting

[LUMCAT] ALxxx16LEDLX-130L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9087
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	117
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	17493	17824	17498
55	13140	13142	13055
65	9399	9184	9563
75	5736	5614	6024
85	4143	4238	4375

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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	5955.56	5955.56	5955.56	5955.56	5955.56
5	5950.28	5836.38	5765.16	5977.23	5933.15
10	6057.19	5970.47	6008.73	5892.30	5984.08
15	5851.88	5830.34	5811.74	5783.77	5823.35
20	5467.49	5456.66	5447.84	5473.30	5458.54
25	4736.33	4803.94	4870.22	4814.25	4911.00
30	3993.08	3983.38	3995.61	3986.11	3964.21
35	3028.30	3019.40	3023.20	3059.81	3095.96
40	2185.51	2147.39	2159.00	2158.17	2148.91
45	1508.01	1516.70	1536.51	1538.05	1508.46
50	1198.31	1173.14	1173.50	1182.39	1166.29
55	918.87	904.29	918.98	923.26	912.89
60	704.21	689.04	672.85	687.76	688.71
65	484.24	475.80	473.19	482.71	492.70
70	311.99	303.20	306.61	304.41	307.94
75	180.99	179.22	177.15	179.58	190.08
80	103.69	95.51	93.90	96.00	104.31
85	44.02	46.13	45.03	43.39	46.49
90	6.81	6.50	6.18	7.06	5.83
95	0.00	0.02	0.20	0.10	0.15
100	0.00	0.05	0.05	0.02	0.25
105	0.10	0.13	0.10	0.25	0.17
110	0.59	0.37	0.37	0.05	0.40
115	0.69	0.60	0.30	0.55	0.44
120	2.13	0.84	0.87	0.80	0.72
125	0.92	0.90	0.83	0.97	1.49
130	1.33	0.86	0.88	0.99	0.85
135	0.47	1.46	1.28	1.88	0.89
140	0.67	0.63	1.16	0.63	0.66
145	0.22	0.77	0.90	1.27	0.51
150	1.07	0.41	0.72	0.81	0.39
155	1.25	1.00	1.46	1.05	1.13
160	1.19	1.51	1.53	1.46	1.60
165	1.51	1.88	1.27	2.77	0.94
170	3.14	2.50	2.28	3.78	1.75
175	1.00	1.48	1.63	1.12	3.41
180	3.54	3.54	3.54	3.54	3.54

IES INDOOR REPORT**PHOTOMETRIC FILENAME : ALXXX16LEDLX-130L35KE1-AL16MWR16FO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2194.13	N.A.	24.10
0-30	4388.59	N.A.	48.30
0-40	6290.8	N.A.	69.20
0-60	8344.34	N.A.	91.80
0-80	9028.43	N.A.	99.40
0-90	9081.19	N.A.	99.90
10-90	8515.67	N.A.	93.70
20-40	4096.67	N.A.	45.10
20-50	5324.7	N.A.	58.60
40-70	2536.17	N.A.	27.90
60-80	684.09	N.A.	7.50
70-80	201.45	N.A.	2.20
80-90	52.76	N.A.	0.60
90-110	2.04	N.A.	0.00
90-120	2.61	N.A.	0.00
90-130	3.48	N.A.	0.00
90-150	4.81	N.A.	0.10
90-180	6.08	N.A.	0.10
110-180	4.05	N.A.	0.00
0-180	9087.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	565.52
10-20	1628.62
20-30	2194.46
30-40	1902.21
40-50	1228.02
50-60	825.51
60-70	482.64
70-80	201.45
80-90	52.76
90-100	1.85
100-110	0.18
110-120	0.57
120-130	0.87
130-140	0.85
140-150	0.49
150-160	0.51
160-170	0.54
170-180	0.22

IES INDOOR REPORT

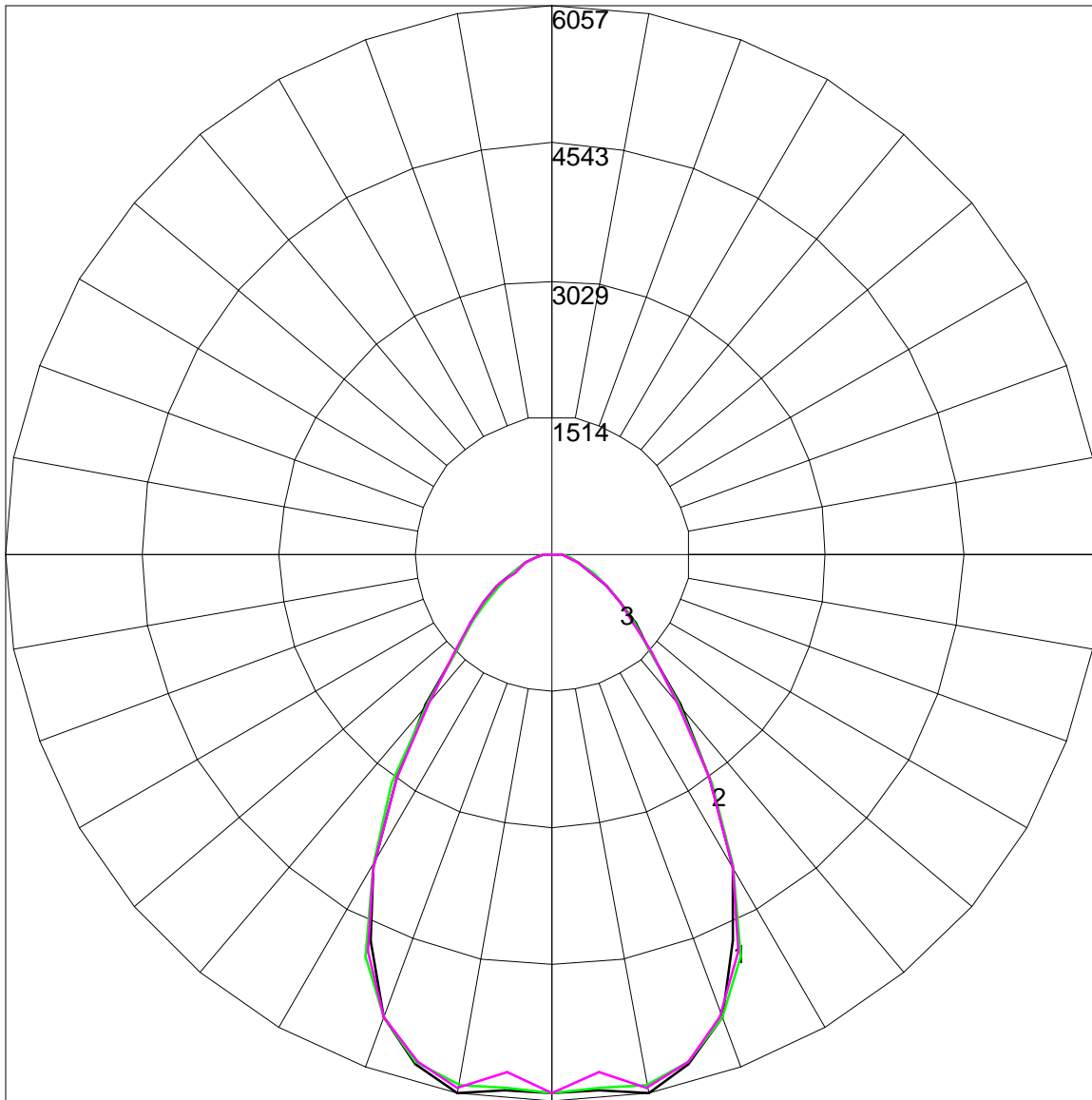
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 6057.19 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)