

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PA1212LEDLX-130L35KE1-PA1315.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 101925754CRT-0061_M-100L

[TESTLAB]Intertek

[LAB-REF LUMCAT] 1501120955-001_M-100L

[ISSUE DATE] 1/13/2015

[UPDATE] 10/12/2016

[MANUFAC]SPECTRUM LIGHTING

[LUMCAT] PA1212LEDLX-130L-35K-Ex-PA1315/xx/xx

[LUMINAIRE] LED LOW BAY - CLEAR PRISMATIC ACRYLIC ACORN DIFFUSER

[LAMP] N/A

[LAMPCAT] N/A

[OTHER] CCT Output Multipliers: 40K x 1.031, 30K x 0.979, 27K x 0.959

[OTHER] Cat. no. update from AC1316 to PA1316, same material

[OTHER] Cat. no. update from 90W to 100L, same LED

[OTHER] This report updated by Spectrum Lighting, scaled from 65L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13342
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	103.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.50
Spacing Criterion (90-270)	2.48
Spacing Criterion (Diagonal)	2.34
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.00 ft (Diameter)
Luminous Height	0.33 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	45938	45492	45222
55	49999	49175	48339
65	38660	38738	37641
75	16299	16719	16417
85	5902	5790	5773

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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>
0.0	1681.218	1681.218	1681.218	1681.218	1681.218
2.5	1771.902	1775.664	1758.834	1755.666	1751.310
5.0	1898.622	1888.920	1865.952	1875.852	1876.050
7.5	1982.574	1994.454	1980.198	1977.624	1965.942
10.0	2010.096	1995.246	1974.654	1955.448	1974.456
12.5	2014.848	1981.782	1961.982	1966.338	1984.356
15.0	2103.354	2066.130	2044.548	2044.350	2062.368
17.5	2292.246	2264.328	2237.598	2243.934	2257.596
20.0	2508.660	2500.542	2476.188	2476.980	2497.968
22.5	2661.120	2634.984	2619.342	2622.708	2648.844
25.0	2745.666	2721.906	2700.720	2710.026	2736.756
27.5	2883.474	2870.010	2845.656	2851.596	2876.346
30.0	3026.034	3017.520	3003.858	2998.116	3017.124
32.5	3121.074	3113.748	3110.580	3102.462	3109.986
35.0	3171.366	3162.852	3166.812	3157.110	3160.080
37.5	3186.810	3177.306	3174.732	3165.624	3167.010
40.0	3212.748	3200.670	3189.384	3176.712	3181.662
42.5	3289.572	3279.078	3262.842	3237.696	3244.428
45.0	3369.168	3357.684	3336.498	3310.362	3316.698
47.5	3377.682	3350.952	3321.450	3292.146	3302.244
50.0	3424.212	3396.690	3378.474	3340.062	3351.744
52.5	3430.746	3416.490	3393.126	3336.894	3347.982
55.0	3351.348	3310.560	3296.106	3235.518	3240.072
57.5	3182.058	3128.202	3104.442	3066.030	3040.092
60.0	2934.162	2882.880	2882.682	2840.508	2824.470
62.5	2657.952	2610.828	2644.884	2616.768	2582.316
65.0	2268.486	2229.678	2273.040	2250.666	2208.690
67.5	1853.676	1807.938	1860.408	1843.776	1816.650
70.0	1528.956	1504.404	1560.438	1552.716	1517.670
72.5	1173.348	1160.478	1217.700	1220.868	1187.604
75.0	791.208	771.408	811.602	818.136	796.950
77.5	475.596	439.956	458.964	466.686	462.132
80.0	295.218	278.190	281.160	283.140	287.496
82.5	242.550	237.996	237.600	237.204	237.204
85.0	217.998	215.028	213.840	214.236	213.246
87.5	202.158	200.574	199.188	198.396	198.594
90.0	194.040	194.238	193.446	192.060	192.654
92.5	194.040	193.842	192.852	191.268	192.258
95.0	193.842	194.040	192.456	191.070	191.664
97.5	186.912	187.704	186.120	185.130	184.140
100.0	173.052	174.636	173.250	173.052	171.864
102.5	158.796	160.182	159.588	158.598	158.400
105.0	146.916	147.708	147.510	146.520	146.916
107.5	136.026	136.224	136.026	135.630	136.026
110.0	124.938	123.948	123.750	123.750	124.542
112.5	113.652	112.068	112.068	112.068	112.860
115.0	100.386	97.812	97.614	97.812	97.812
117.5	86.130	83.754	83.556	82.962	83.952
120.0	72.666	70.290	69.894	69.696	69.894
122.5	59.598	57.816	57.222	57.420	57.222
125.0	48.312	46.728	45.738	46.332	45.936

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CANDELA TABULATION - (Cont.)

127.5	38.016	36.828	35.640	36.630	35.838
130.0	28.710	28.710	28.116	28.512	28.314
132.5	23.562	23.166	22.770	22.968	22.968
135.0	18.414	18.414	18.018	18.612	18.414
137.5	14.652	14.850	14.652	14.850	14.850
140.0	11.880	11.682	11.484	11.880	11.880
142.5	9.504	9.108	9.504	9.504	10.098
145.0	7.326	7.326	7.524	7.722	7.722
147.5	5.544	5.346	5.346	5.346	5.742
150.0	3.960	4.158	3.564	3.960	4.158
152.5	2.772	2.772	2.574	2.772	2.772
155.0	1.782	1.584	1.782	1.584	1.980
157.5	1.386	0.792	0.990	0.990	1.188
160.0	0.792	0.594	0.594	0.594	0.396
162.5	0.396	0.198	0.396	0.198	0.198
165.0	0.396	0.396	0.396	0.396	0.198
167.5	0.594	0.396	0.396	0.594	0.396
170.0	0.396	0.594	0.000	0.198	0.396
172.5	0.198	0.198	0.000	0.000	0.198
175.0	0.198	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	795.01	N.A.	6.00
0-30	2070.32	N.A.	15.50
0-40	4042.93	N.A.	30.30
0-60	9489.49	N.A.	71.10
0-80	12575.71	N.A.	94.30
0-90	12818.58	N.A.	96.10
10-90	12635.42	N.A.	94.70
20-40	3247.92	N.A.	24.30
20-50	5806.87	N.A.	43.50
40-70	7648.9	N.A.	57.30
60-80	3086.21	N.A.	23.10
70-80	883.87	N.A.	6.60
80-90	242.88	N.A.	1.80
90-110	362.42	N.A.	2.70
90-120	459.91	N.A.	3.40
90-130	502.90	N.A.	3.80
90-150	522.69	N.A.	3.90
90-180	523.75	N.A.	3.90
110-180	161.33	N.A.	1.20
0-180	13342.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	183.16
10-20	611.85
20-30	1275.31
30-40	1972.61
40-50	2558.95
50-60	2887.61
60-70	2202.34
70-80	883.87
80-90	242.88
90-100	205.91
100-110	156.51
110-120	97.49
120-130	42.99
130-140	14.94
140-150	4.85
150-160	0.94
160-170	0.11
170-180	0.01

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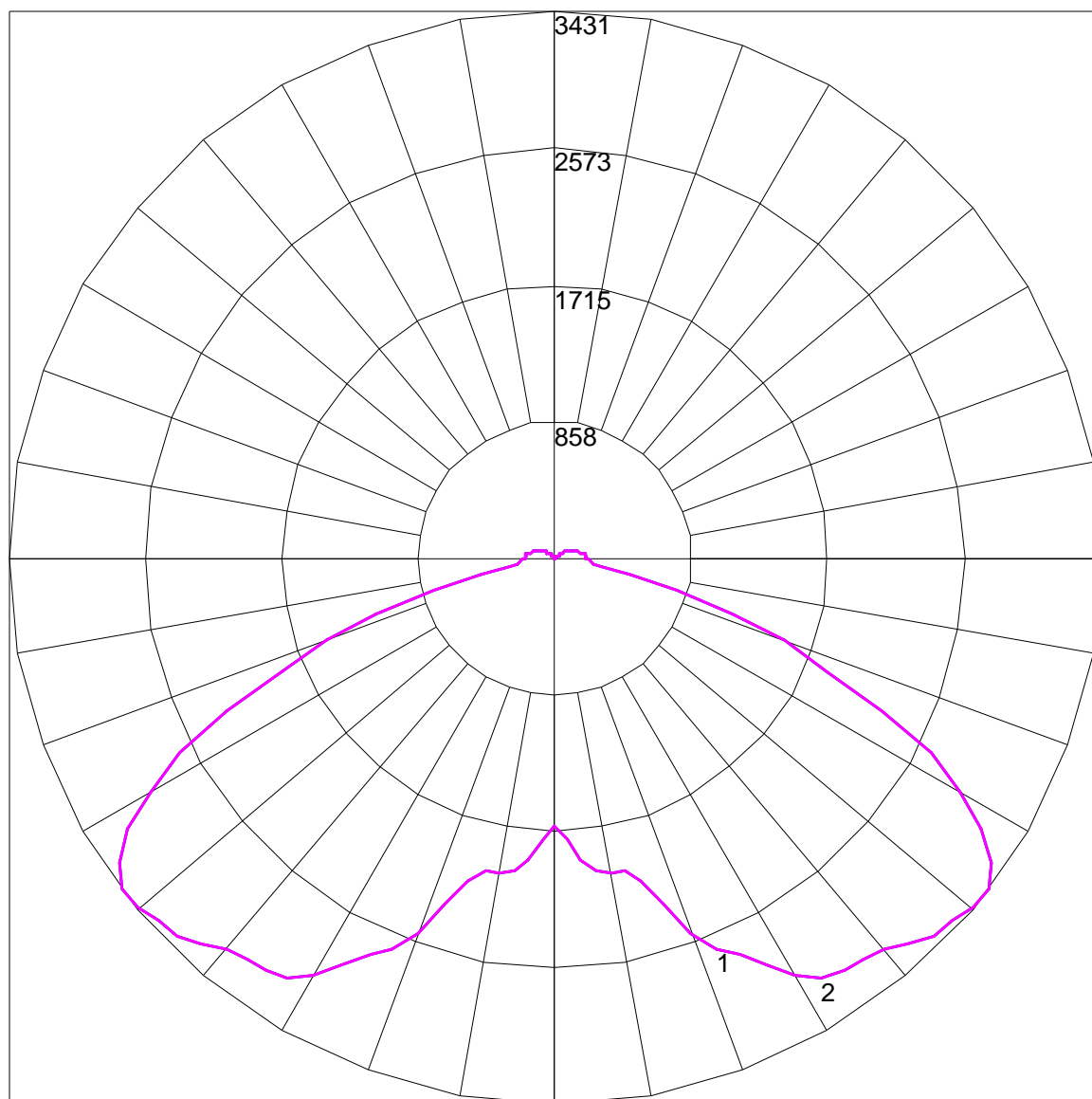
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	107	102	97	93	104	99	95	91	94	91	87	89	87	84	85	83	81	78
2	96	87	80	73	93	85	78	72	80	75	70	77	72	68	73	69	65	63
3	86	75	66	59	83	73	65	58	69	62	56	66	60	55	63	58	53	51
4	78	65	55	48	75	63	54	47	60	52	46	57	51	45	55	49	44	42
5	71	57	47	40	68	55	46	39	53	45	39	50	43	38	48	42	37	35
6	65	50	41	34	62	49	40	33	47	39	33	45	37	32	43	36	31	29
7	59	45	35	29	57	44	35	28	42	34	28	40	33	27	38	32	27	25
8	55	40	31	25	53	39	31	25	38	30	24	36	29	24	35	28	23	21
9	51	36	28	22	49	36	27	22	34	27	21	33	26	21	31	25	21	19
10	47	33	25	19	46	33	24	19	31	24	19	30	23	18	29	23	18	16

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POLAR GRAPH



Maximum Candela = 3430.746 Located At Horizontal Angle = 0, Vertical Angle = 52.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)