

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ARLV330424L35XX_IES.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST]

[DATE]

[MANUFAC]

[LUMCAT]

[LUMINAIRE]

[LAMPCAT]

[LAMP]

CHARACTERISTICS

Lumens Per Lamp	2861.46 (1 lamp)
Total Lamp Lumens	2861.46
Luminaire Lumens	2861
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	40.165
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.06
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ARLV330424L35XX_IES.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	1087.569	1087.569	1087.569	1087.569	1087.569	1087.569	1087.569	1087.569	1087.569	1087.569
5	1069.755	1082.591	1090.858	1080.415	1133.718	1123.493	1114.573	1131.107	1096.515	1108.481
10	988.387	1005.139	1053.873	1086.507	1149.165	1157.215	1140.245	1123.928	1075.194	1096.515
15	926.164	949.443	992.085	1048.216	1130.020	1148.295	1111.527	1091.076	1036.685	1059.747
20	843.490	871.120	925.946	964.020	1070.625	1089.771	1060.400	992.520	915.285	957.710
25	805.852	816.077	843.490	871.555	990.127	1002.528	949.225	878.953	827.608	848.711
30	767.996	776.698	764.297	775.828	892.006	906.365	830.436	804.764	740.800	781.702
35	731.880	737.755	707.078	695.547	790.840	809.768	740.800	660.520	582.415	635.065
40	678.578	699.899	654.646	610.916	688.585	701.857	635.935	524.978	459.710	500.611
45	610.263	641.374	612.874	534.551	585.896	597.862	509.967	412.063	364.200	392.700
50	540.208	578.281	567.403	467.542	485.817	503.440	402.273	321.557	286.530	308.069
55	469.065	512.577	517.799	412.934	391.395	425.335	306.328	249.762	224.307	236.055
60	387.044	445.350	467.759	368.986	307.851	334.394	229.311	187.539	169.264	176.008
65	323.951	381.605	423.159	335.917	234.315	254.331	166.435	134.236	121.617	127.709
70	274.129	330.695	378.341	305.893	169.264	184.928	110.957	81.804	63.528	74.842
75	235.838	290.881	338.962	278.263	115.526	129.015	58.742	17.623	4.786	12.836
80	198.417	255.418	307.851	239.754	76.364	81.368	1.305	0.000	0.000	0.000
85	160.779	215.822	273.259	208.425	45.688	32.852	0.218	0.000	0.000	0.000
90	132.060	185.798	236.926	170.351	18.710	28.066	0.000	0.000	0.000	0.000
95	122.053	170.569	218.215	126.404	13.706	26.543	0.000	0.000	0.000	0.218
100	106.388	131.190	132.713	95.510	15.665	26.978	0.435	0.435	0.218	0.218
105	68.532	77.452	96.598	105.083	18.058	25.672	0.435	0.653	0.653	0.870
110	63.963	64.616	119.442	100.079	19.146	21.756	0.870	0.653	0.653	0.870
115	56.784	92.682	142.939	77.670	20.886	22.627	0.870	0.870	1.305	1.088
120	113.133	140.763	153.599	49.169	24.367	28.283	2.828	1.305	1.088	1.305
125	118.572	140.328	154.469	27.195	38.509	48.299	6.527	1.305	1.088	1.305
130	115.091	135.759	126.186	23.497	47.646	67.880	11.531	2.176	1.088	2.176
135	106.171	122.488	87.678	26.978	51.780	68.750	19.146	3.699	1.088	3.263
140	90.941	97.686	42.207	36.115	41.119	59.177	25.020	6.092	1.305	4.786
145	69.402	61.570	13.706	41.337	29.371	46.994	28.066	7.615	1.523	6.744
150	27.195	13.489	11.313	44.818	22.627	36.333	27.848	8.702	1.741	8.050
155	3.046	4.569	15.447	38.291	19.146	27.848	22.409	8.920	1.958	8.485
160	2.393	6.527	21.321	22.191	12.619	13.706	15.447	7.832	1.958	5.657
165	8.920	14.359	18.275	11.313	9.790	10.225	7.832	6.309	1.958	3.699
170	14.794	13.706	8.485	6.527	5.874	5.657	4.134	2.176	1.523	2.393
175	2.393	1.741	2.393	3.263	3.699	3.916	2.611	1.305	1.305	1.523
180	1.280	1.280	1.280	1.280	1.280	1.280	1.280	1.280	1.280	1.280

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	1087.569	1087.569	1087.569	1087.569	1087.569	1087.569	1087.569
5	1098.473	1067.579	1134.806	1135.459	1107.828	1105.870	1069.755
10	1109.569	1084.984	1116.096	1118.271	1054.308	1025.372	988.387
15	1068.232	1056.484	1067.362	1053.438	985.993	960.103	926.164
20	1007.314	990.780	999.482	962.279	913.110	875.254	843.490
25	897.880	905.495	914.198	867.857	825.650	818.470	805.852
30	786.489	821.951	815.207	773.652	754.507	777.568	767.996
35	698.158	726.659	716.216	680.971	697.941	736.232	731.880
40	595.469	630.931	616.355	590.247	647.248	693.372	678.578
45	470.805	545.429	512.577	519.757	602.648	637.241	610.263
50	367.246	457.099	416.632	455.576	558.265	575.453	540.208
55	279.568	384.215	328.302	403.361	512.142	509.314	469.065
60	209.295	301.107	253.243	364.200	462.538	438.824	387.044

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ARLV330424L35XX_IES.IES

CANDELA TABULATION - (Cont.)

65	148.813	229.093	195.371	334.611	415.327	377.036	323.951
70	97.903	163.825	137.282	307.633	372.249	326.344	274.129
75	48.952	113.133	93.334	278.915	335.264	286.095	235.838
80	0.435	69.402	61.135	241.494	302.630	246.933	198.417
85	0.435	31.547	34.810	208.860	266.297	209.513	160.779
90	0.000	27.848	17.187	173.615	235.838	179.707	132.060
95	0.000	26.760	16.535	123.576	218.650	168.611	122.053
100	0.870	26.543	19.581	97.033	137.064	131.190	106.388
105	1.088	27.413	22.191	117.049	96.380	78.540	68.532
110	0.870	23.062	21.104	108.564	113.785	61.570	63.963
115	1.305	19.581	18.928	80.063	135.977	84.632	56.784
120	2.611	20.233	16.535	47.864	142.939	135.759	113.133
125	6.092	33.070	24.585	27.195	139.675	136.629	118.572
130	10.008	45.253	38.509	13.489	115.961	134.019	115.091
135	14.577	46.558	39.161	13.924	87.243	120.530	106.171
140	20.668	40.032	26.325	18.493	49.169	95.510	90.941
145	24.149	35.898	20.451	26.978	14.142	62.658	69.402
150	25.020	30.676	16.535	30.459	7.397	15.882	27.195
155	18.928	23.932	14.794	29.589	10.225	4.134	3.046
160	13.054	14.794	8.702	23.279	14.794	4.786	2.393
165	8.485	11.313	5.439	13.271	18.493	10.878	8.920
170	4.569	6.309	4.351	5.222	10.225	14.359	14.794
175	1.741	2.611	1.741	1.741	1.305	1.958	2.393
180	1.280	1.280	1.280	1.280	1.280	1.280	1.280

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ARLV330424L35XX_IES.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	396.39	13.90	13.90
0-30	802.03	28.00	28.00
0-40	1245.87	43.50	43.50
0-60	2005.36	70.10	70.10
0-80	2444.02	85.40	85.40
0-90	2561.02	89.50	89.50
10-90	2456.41	85.80	85.80
20-40	849.48	29.70	29.70
20-50	1263.39	44.20	44.20
40-70	1020.9	35.70	35.70
60-80	438.66	15.30	15.30
70-80	177.25	6.20	6.20
80-90	117.00	4.10	4.10
90-110	133.27	4.70	4.70
90-120	181.60	6.30	6.30
90-130	231.81	8.10	8.10
90-150	289.78	10.10	10.10
90-180	300.43	10.50	10.50
110-180	167.15	5.80	5.80
0-180	2861.45	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.61
10-20	291.78
20-30	405.63
30-40	443.84
40-50	413.92
50-60	345.58
60-70	261.40
70-80	177.25
80-90	117.00
90-100	81.72
100-110	51.55
110-120	48.33
120-130	50.21
130-140	38.50
140-150	19.48
150-160	7.48
160-170	2.81
170-180	0.37

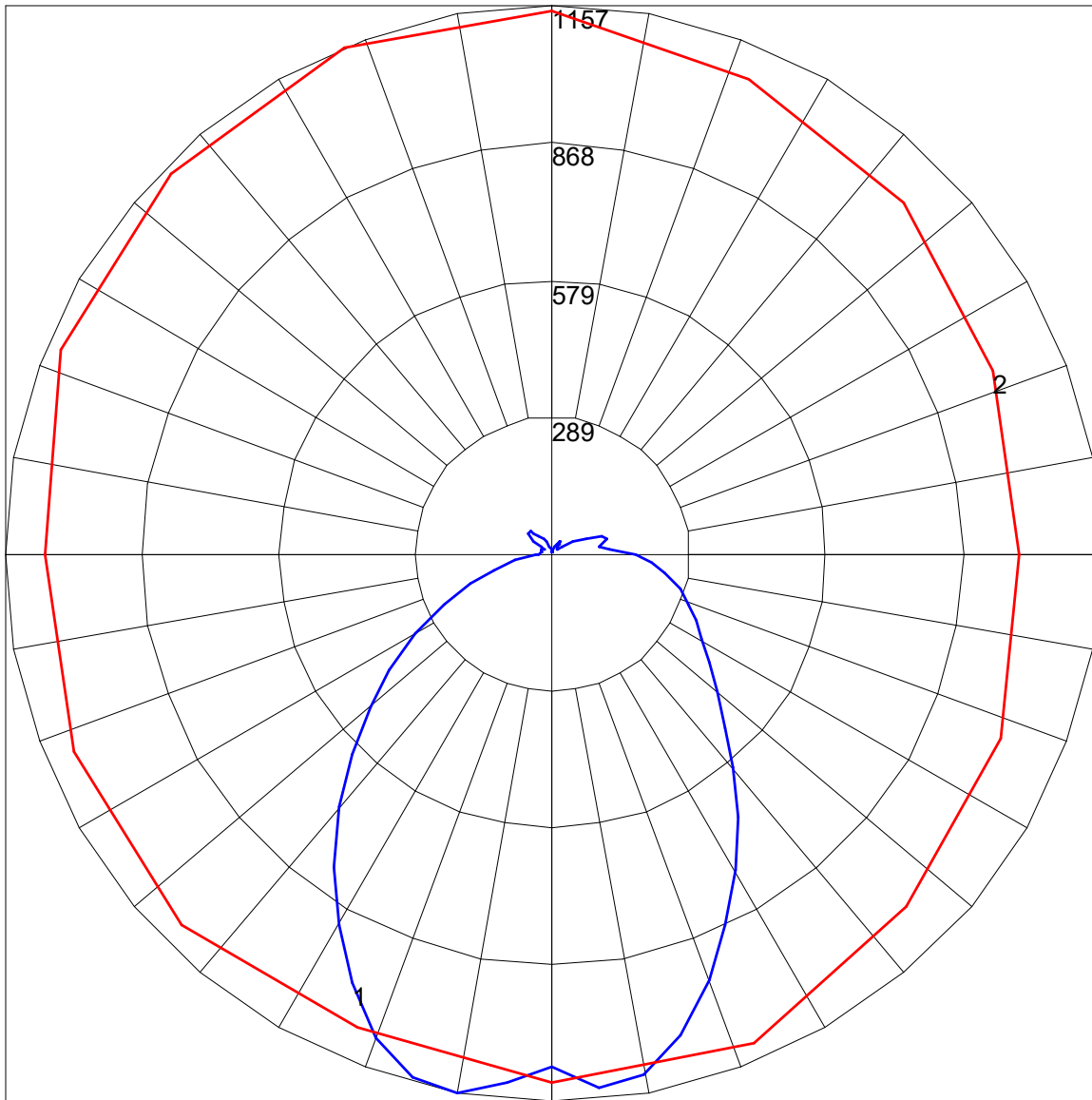
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ARLV330424L35XX_IES.IES

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	117	117	117	117	113	113	113	113	105	105	105	99	99	99	92	92	92	90
1	106	101	96	92	102	98	94	90	91	88	85	86	83	81	80	78	77	74
2	97	88	82	76	93	86	79	74	80	75	71	75	71	68	71	68	65	62
3	88	78	70	64	85	76	68	62	71	65	60	67	62	58	63	59	55	53
4	81	70	61	54	78	68	60	54	64	57	52	60	55	50	57	52	48	46
5	75	62	54	47	72	61	53	47	57	51	45	54	48	44	52	46	42	40
6	69	57	48	42	67	55	47	41	52	45	40	50	43	39	47	42	38	35
7	65	51	43	37	62	50	42	37	48	41	36	45	39	35	43	38	34	32
8	60	47	39	33	58	46	38	33	44	37	32	42	36	31	40	35	30	29
9	56	43	35	30	54	42	35	30	41	34	29	39	33	28	37	32	28	26
10	53	40	33	27	51	39	32	27	38	31	27	36	30	26	35	29	25	24

POLAR GRAPH



Maximum Candela = 1157.215 Located At Horizontal Angle = 112.5, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)