

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ARLS050407L35XX_IES.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST]

[DATE]

[MANUFAC]

[LUMCAT]

[LUMINAIRE]

[LAMPCAT]

[LAMP]

CHARACTERISTICS

Lumens Per Lamp	710.504 (1 lamp)
Total Lamp Lumens	710.504
Luminaire Lumens	710
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	9.713
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.26
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

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CANDELA TABULATION

	<u>0</u>	<u>45</u>	<u>90</u>	<u>135</u>	<u>180</u>	<u>225</u>	<u>270</u>	<u>315</u>	<u>360</u>
0	238.756	238.756	238.756	238.756	238.756	238.756	238.756	238.756	238.756
5	237.587	243.167	250.894	243.167	235.012	239.733	252.825	246.816	237.587
10	225.139	242.094	254.113	237.802	219.988	235.870	250.894	243.167	225.139
15	203.248	228.573	249.177	223.422	198.311	224.281	238.446	228.358	203.248
20	188.224	209.042	235.656	204.106	183.932	206.038	220.203	207.969	188.224
25	183.932	188.224	216.340	186.936	172.771	188.009	197.667	189.726	183.932
30	184.575	173.630	193.160	173.415	141.866	173.630	174.059	177.922	184.575
35	180.068	162.684	168.693	154.957	111.174	159.035	149.807	171.269	180.068
40	171.913	155.172	144.441	128.988	86.278	137.144	126.627	164.830	171.913
45	158.821	146.802	121.476	107.526	66.533	115.682	106.024	156.674	158.821
50	138.646	137.788	101.087	89.712	51.080	98.941	87.137	146.373	138.646
55	120.189	128.130	81.986	75.118	38.417	83.274	70.396	136.071	120.189
60	104.307	117.828	66.318	63.314	28.330	70.825	56.875	123.837	104.307
65	91.429	107.526	53.012	52.797	19.960	59.880	45.929	112.462	91.429
70	80.269	97.868	42.925	43.568	12.877	50.222	36.700	101.731	80.269
75	70.825	88.854	34.125	36.271	5.151	41.637	29.403	92.288	70.825
80	62.026	80.913	26.613	27.472	0.000	33.266	22.750	83.703	62.026
85	53.226	71.899	20.604	23.394	0.215	28.116	18.028	74.259	53.226
90	45.929	64.601	15.453	21.248	0.000	25.111	14.809	66.318	45.929
95	31.335	56.875	14.165	19.960	0.000	23.823	15.024	62.455	31.335
100	26.828	33.266	14.380	16.955	0.000	22.535	15.667	37.559	26.828
105	39.491	29.189	12.233	9.658	0.000	13.092	12.877	30.047	39.491
110	38.847	36.271	10.302	8.800	0.000	11.160	11.590	35.413	38.847
115	37.774	40.993	8.370	12.448	0.000	12.019	8.585	41.637	37.774
120	36.271	33.910	6.653	16.741	0.000	19.101	8.800	36.486	36.271
125	30.906	25.969	14.165	15.238	0.215	17.814	17.384	28.974	30.906
130	26.828	19.316	16.311	12.877	0.215	15.667	17.384	21.677	26.828
135	22.106	13.521	15.667	10.517	0.215	12.233	16.097	15.667	22.106
140	17.170	7.512	13.521	7.297	0.215	9.014	13.736	8.156	17.170
145	9.443	3.863	10.731	3.649	0.215	5.151	10.087	4.507	9.443
150	0.644	0.644	7.083	0.429	0.429	1.073	6.224	1.073	0.644
155	0.644	0.644	3.434	0.858	0.429	0.429	2.146	0.644	0.644
160	0.644	0.644	0.429	0.429	0.644	0.429	0.429	0.644	0.644
165	0.644	0.644	0.429	0.429	0.429	0.429	0.000	0.644	0.644
170	0.429	0.429	0.429	0.429	0.429	0.429	0.215	0.429	0.429
175	0.429	0.429	0.429	0.644	0.429	0.429	0.215	0.644	0.429
180	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	86.01	12.10	12.10
0-30	173.81	24.50	24.50
0-40	272.08	38.30	38.30
0-60	449.30	63.20	63.20
0-80	569.78	80.20	80.20
0-90	609.65	85.80	85.80
10-90	586.63	82.60	82.60
20-40	186.07	26.20	26.20
20-50	280.79	39.50	39.50
40-70	244.86	34.50	34.50
60-80	120.48	17.00	17.00
70-80	52.85	7.40	7.40
80-90	39.87	5.60	5.60
90-110	49.87	7.00	7.00
90-120	69.53	9.80	9.80
90-130	86.08	12.10	12.10
90-150	100.07	14.10	14.10
90-180	100.85	14.20	14.20
110-180	50.98	7.20	7.20
0-180	710.50	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	23.02
10-20	62.99
20-30	87.80
30-40	98.27
40-50	94.72
50-60	82.51
60-70	67.63
70-80	52.85
80-90	39.87
90-100	29.60
100-110	20.26
110-120	19.66
120-130	16.55
130-140	10.20
140-150	3.79
150-160	0.60
160-170	0.13
170-180	0.04

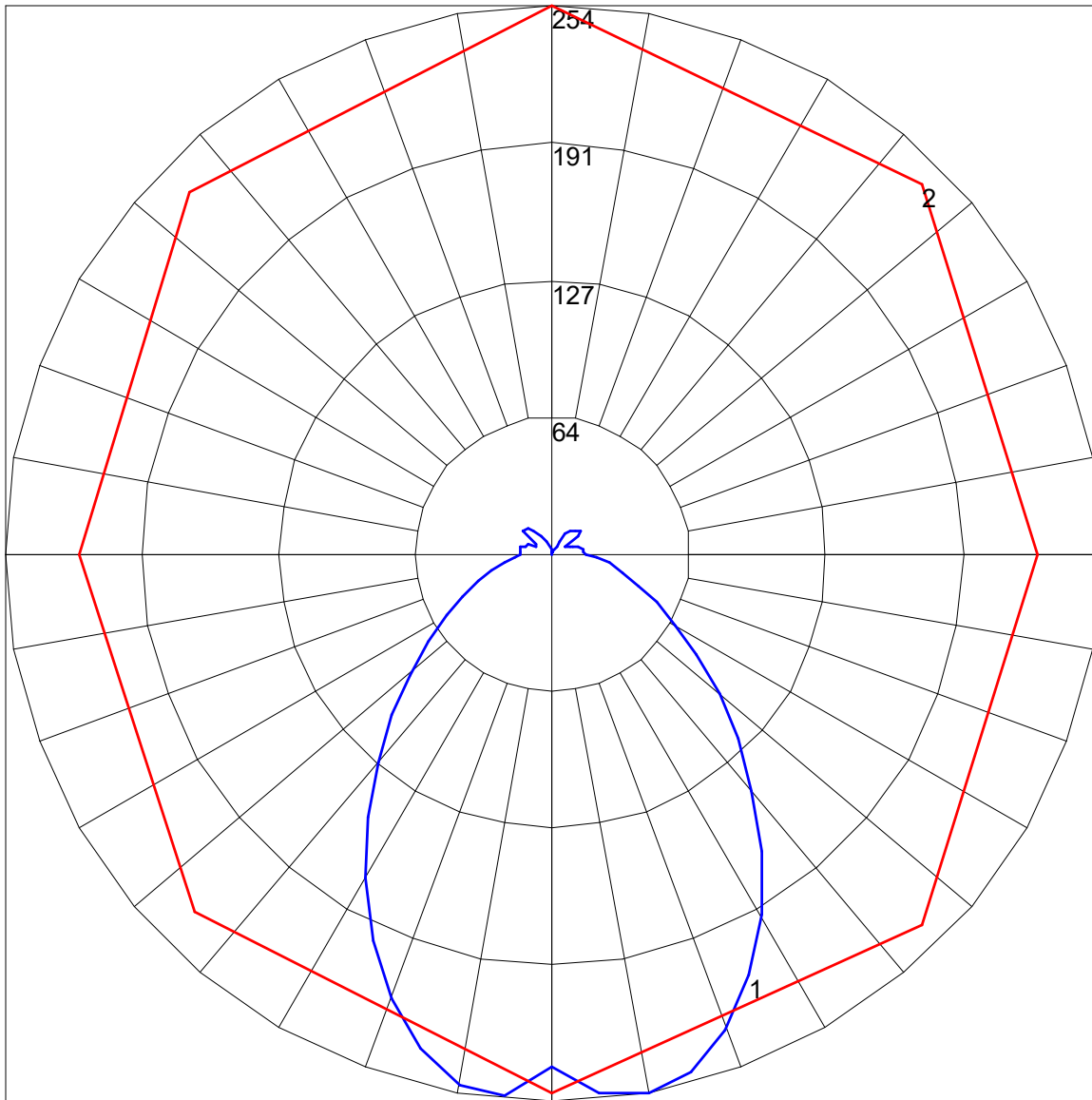
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86
1	104	99	94	90	100	95	91	87	88	85	81	82	79	76	76	74	72	69
2	94	86	79	73	90	83	76	71	77	71	67	71	67	63	66	63	60	57
3	86	75	67	60	82	73	65	59	68	61	56	63	58	53	59	54	51	48
4	79	67	58	51	76	65	56	50	60	53	48	56	51	46	53	48	44	41
5	73	60	51	44	70	58	50	43	54	47	42	51	45	40	48	42	38	36
6	67	54	45	39	64	52	44	38	49	42	37	46	40	35	43	38	34	32
7	62	49	41	34	60	48	40	34	45	38	33	42	36	31	40	34	30	28
8	58	45	37	31	56	44	36	30	41	34	29	39	33	28	37	31	27	25
9	54	41	33	28	52	40	33	27	38	31	27	36	30	26	34	29	25	23
10	51	38	30	25	49	37	30	25	35	29	24	33	28	23	32	26	23	21

POLAR GRAPH



Maximum Candela = 254.113 Located At Horizontal Angle = 90, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)