

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LNAP08L30D1XX\_IES.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
 [TEST]  
 [DATE]  
 [MANUFAC]  
 [LUMCAT]  
 [LUMINAIRE]  
 [LAMPCAT]  
 [LAMP]

**CHARACTERISTICS**

Lumens Per Lamp	1037.93 (1 lamp)
Total Lamp Lumens	1037.93
Luminaire Lumens	1038
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	14.768
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.46
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>
<b>0</b>	330.859	330.859	330.859	330.859	330.859	330.859	330.859	330.859	330.859
<b>5</b>	328.864	327.820	333.458	330.326	329.908	328.655	333.249	330.534	328.864
<b>10</b>	326.567	324.688	331.161	329.282	328.238	327.194	331.370	328.655	326.567
<b>15</b>	321.973	319.468	328.238	326.150	325.523	324.062	326.567	323.644	321.973
<b>20</b>	314.874	312.995	322.600	321.347	320.512	319.259	320.512	317.797	314.874
<b>25</b>	305.478	303.808	315.709	314.248	313.413	312.160	311.325	308.610	305.478
<b>30</b>	294.203	291.280	305.269	304.434	303.808	302.137	299.005	296.708	294.203
<b>35</b>	278.543	276.455	291.488	291.280	290.862	288.774	283.971	281.675	278.543
<b>40</b>	258.915	257.036	273.740	275.619	274.575	272.696	265.179	262.047	258.915
<b>45</b>	236.573	234.485	253.904	255.157	254.321	252.442	242.002	239.496	236.573
<b>50</b>	210.473	207.967	230.936	231.562	231.144	229.474	215.902	212.979	210.473
<b>55</b>	181.449	179.988	202.747	204.835	204.418	202.956	188.131	184.373	181.449
<b>60</b>	151.382	151.173	173.724	175.394	175.394	174.977	157.020	153.887	151.382
<b>65</b>	120.688	120.061	142.403	144.283	144.074	144.700	125.282	122.567	120.688
<b>70</b>	89.785	89.367	110.039	112.962	114.006	113.380	92.708	90.203	89.785
<b>75</b>	59.926	59.926	77.883	80.598	82.268	81.433	63.685	60.344	59.926
<b>80</b>	32.573	33.408	49.069	51.365	52.201	51.783	34.661	32.573	32.573
<b>85</b>	9.396	9.396	21.924	23.386	25.056	25.683	10.858	9.396	9.396
<b>90</b>	0.418	0.418	1.253	2.506	3.132	2.714	0.209	0.418	0.418
<b>95</b>	0.418	0.418	0.000	0.000	0.000	0.000	0.000	0.418	0.418
<b>100</b>	0.418	0.626	0.000	0.000	0.000	0.000	0.209	0.418	0.418
<b>105</b>	0.418	0.418	0.000	0.000	0.209	0.000	0.209	0.626	0.418
<b>110</b>	0.626	0.626	0.209	0.209	0.000	0.000	0.000	0.418	0.626
<b>115</b>	0.418	0.626	0.000	0.209	0.209	0.000	0.209	0.626	0.418
<b>120</b>	0.626	0.626	0.209	0.418	0.000	0.209	0.418	0.418	0.626
<b>125</b>	0.626	0.626	0.209	0.209	0.209	0.209	0.418	0.418	0.626
<b>130</b>	0.835	0.626	0.209	0.418	0.418	0.418	0.626	0.626	0.835
<b>135</b>	0.626	0.626	0.209	0.418	0.418	0.209	0.626	0.626	0.626
<b>140</b>	0.626	1.044	0.418	0.209	0.209	0.418	0.418	0.626	0.626
<b>145</b>	0.626	0.626	0.626	0.418	0.626	0.626	0.418	0.835	0.626
<b>150</b>	0.626	0.835	0.626	0.418	0.626	0.835	0.626	0.835	0.626
<b>155</b>	1.044	0.835	0.626	0.418	0.626	0.418	0.626	1.044	1.044
<b>160</b>	0.626	0.835	0.835	0.418	0.626	0.626	0.418	0.626	0.626
<b>165</b>	0.626	0.626	0.626	0.626	0.418	0.626	0.418	0.835	0.626
<b>170</b>	0.835	0.835	0.418	0.835	0.835	0.835	0.418	0.626	0.835
<b>175</b>	0.835	0.626	0.626	0.626	0.626	0.835	0.418	0.835	0.835
<b>180</b>	0.696	0.696	0.696	0.696	0.696	0.696	0.696	0.696	0.696

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	123.20	11.90	11.90
0-30	266.43	25.70	25.70
0-40	444.81	42.90	42.90
0-60	807.24	77.80	77.80
0-80	1014.13	97.70	97.70
0-90	1035.19	99.70	99.70
10-90	1003.72	96.70	96.70
20-40	321.61	31.00	31.00
20-50	511.13	49.20	49.20
40-70	494.05	47.60	47.60
60-80	206.89	19.90	19.90
70-80	75.27	7.30	7.30
80-90	21.06	2.00	2.00
90-110	0.77	0.10	0.10
90-120	1.07	0.10	0.10
90-130	1.43	0.10	0.10
90-150	2.18	0.20	0.20
90-180	2.74	0.30	0.30
110-180	1.97	0.20	0.20
0-180	1037.93	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	31.47
10-20	91.73
20-30	143.23
30-40	178.38
40-50	189.52
50-60	172.91
60-70	131.62
70-80	75.27
80-90	21.06
90-100	0.52
100-110	0.25
110-120	0.30
120-130	0.36
130-140	0.38
140-150	0.37
150-160	0.31
160-170	0.18
170-180	0.07

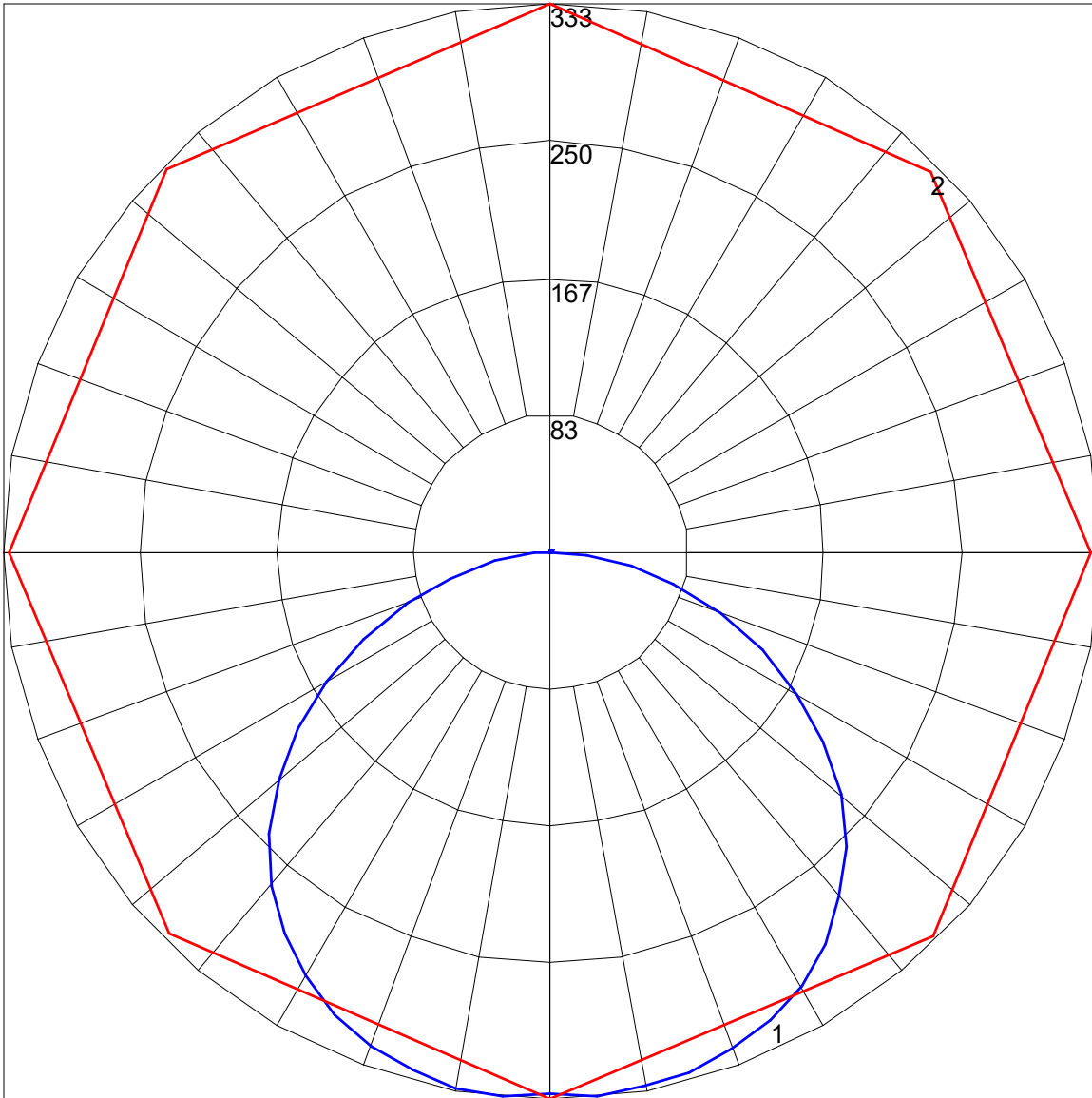
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	39	37
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 333.458 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)