



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-4L-T5-740.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-14140  
[TESTLAB] LSI INDUSTRIES, INC.  
[TESTDATE] 07/06/23  
[ISSUEDATE] 07/06/23  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] APC-4L-T5-740  
[TEST PROCEDURE] IESNA LM-79-19  
[ ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[ FACTORED] SCALED FROM ORIGINAL TEST DATA  
[ SEARCH\_SOURCETYPE] LED  
[ SEARCH\_APPLICATION] Outdoor  
[ SEARCH\_COLORTEMP] 4000

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4467
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	34
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.64
Spacing Criterion (90-270)	1.80
Spacing Criterion (Diagonal)	1.94
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.50 ft (Diameter)
Luminous Width (90-270)	1.50 ft (Diameter)
Luminous Height	0.00 ft



### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7177	7866	8374
55	9771	10037	10228
65	12326	12484	11419
75	13378	13755	12038
85	12638	12778	12079

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**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	787	787	787	787	787
<b>2.5</b>	789	789	789	789	789
<b>5.0</b>	797	797	796	796	796
<b>7.5</b>	809	809	809	809	809
<b>10.0</b>	822	823	822	822	822
<b>12.5</b>	840	840	839	837	837
<b>15.0</b>	854	856	854	852	853
<b>17.5</b>	868	871	869	866	870
<b>20.0</b>	879	886	883	879	886
<b>22.5</b>	890	899	895	890	901
<b>25.0</b>	899	912	907	901	912
<b>27.5</b>	904	920	914	906	922
<b>30.0</b>	903	924	917	906	926
<b>32.5</b>	893	925	915	899	929
<b>35.0</b>	877	924	910	886	930
<b>37.5</b>	856	927	905	872	934
<b>40.0</b>	837	934	904	860	945
<b>42.5</b>	828	944	906	853	959
<b>45.0</b>	834	956	914	858	973
<b>47.5</b>	854	965	924	871	983
<b>50.0</b>	879	970	934	889	986
<b>52.5</b>	904	966	942	909	980
<b>55.0</b>	921	955	946	925	964
<b>57.5</b>	928	938	942	930	935
<b>60.0</b>	920	909	929	923	896
<b>62.5</b>	895	872	906	902	849
<b>65.0</b>	856	823	867	863	793
<b>67.5</b>	800	766	814	811	731
<b>70.0</b>	733	700	747	743	661
<b>72.5</b>	655	628	672	662	590
<b>75.0</b>	569	550	585	574	512
<b>77.5</b>	478	464	491	479	434
<b>80.0</b>	383	374	389	381	353
<b>82.5</b>	280	274	286	281	264
<b>85.0</b>	181	175	183	180	173
<b>87.5</b>	83	83	84	85	86
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	319.68	N.A.	7.20
0-30	738.29	N.A.	16.50
0-40	1307.25	N.A.	29.30
0-60	2851.66	N.A.	63.80
0-80	4268.19	N.A.	95.60
0-90	4466.85	N.A.	100.00
10-90	4389.95	N.A.	98.30
20-40	987.57	N.A.	22.10
20-50	1692.88	N.A.	37.90
40-70	2372.26	N.A.	53.10
60-80	1416.53	N.A.	31.70
70-80	588.69	N.A.	13.20
80-90	198.65	N.A.	4.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4466.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	76.89
10-20	242.79
20-30	418.61
30-40	568.96
40-50	705.32
50-60	839.10
60-70	827.85
70-80	588.69
80-90	198.65
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

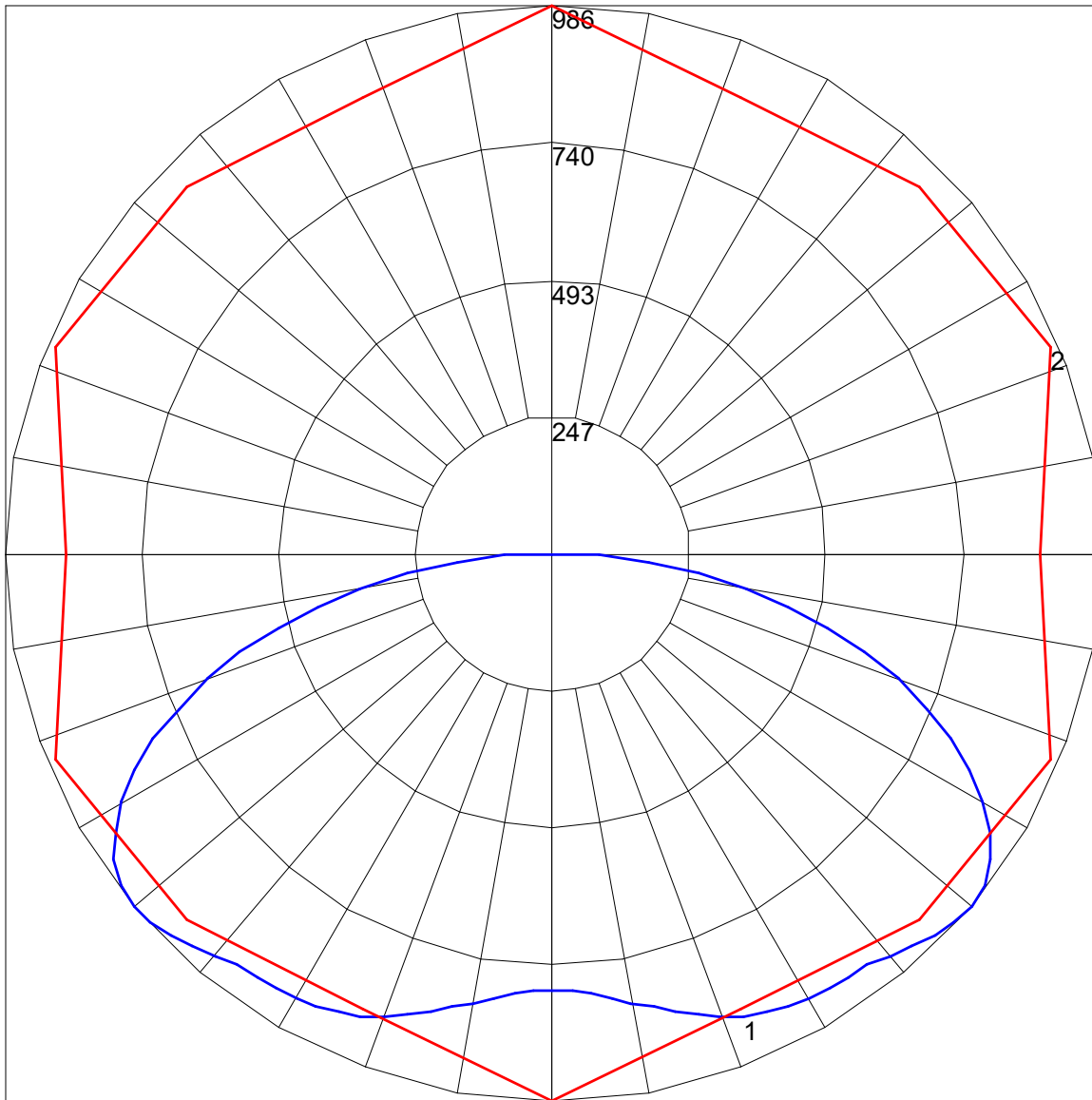
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	78
2	94	84	76	69	91	82	74	68	78	72	66	75	69	64	72	67	63	60
3	84	72	62	54	81	70	61	54	67	59	53	64	57	52	61	55	51	48
4	76	62	52	44	74	61	51	44	58	50	43	55	48	42	53	47	42	39
5	69	54	44	37	67	53	44	36	51	42	36	49	41	35	47	40	35	32
6	63	48	38	31	61	47	38	31	45	37	30	44	36	30	42	35	30	27
7	58	43	33	27	56	42	33	26	41	32	26	39	32	26	38	31	26	24
8	54	39	30	23	52	38	29	23	37	29	23	36	28	23	34	28	23	20
9	50	36	27	21	49	35	26	20	34	26	20	33	25	20	32	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16

POLAR GRAPH



Maximum Candela = 986 Located At Horizontal Angle = 90, Vertical Angle = 50  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)