



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : APC-6L-T5-740.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-14139  
[TESTLAB] LSI INDUSTRIES, INC.  
[TESTDATE] 07/06/23  
[ISSUE DATE] 07/06/23  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] APC-6L-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	6979
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	54
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	11214	12289	13081
55	15278	15670	15989
65	19295	19482	17798
75	20785	21467	19045
85	19899	19830	18643

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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>
<b>0.0</b>	1229	1229	1229	1229	1229
<b>2.5</b>	1232	1232	1232	1232	1232
<b>5.0</b>	1245	1245	1245	1244	1244
<b>7.5</b>	1264	1262	1262	1262	1262
<b>10.0</b>	1286	1285	1285	1285	1284
<b>12.5</b>	1309	1309	1308	1307	1309
<b>15.0</b>	1333	1334	1333	1331	1334
<b>17.5</b>	1353	1359	1357	1352	1358
<b>20.0</b>	1372	1383	1378	1372	1383
<b>22.5</b>	1393	1406	1399	1391	1407
<b>25.0</b>	1405	1423	1415	1405	1423
<b>27.5</b>	1411	1436	1427	1413	1437
<b>30.0</b>	1408	1442	1432	1414	1446
<b>32.5</b>	1394	1442	1430	1405	1452
<b>35.0</b>	1369	1443	1421	1385	1453
<b>37.5</b>	1336	1445	1414	1361	1460
<b>40.0</b>	1307	1457	1411	1343	1477
<b>42.5</b>	1295	1475	1417	1335	1498
<b>45.0</b>	1303	1493	1428	1342	1520
<b>47.5</b>	1334	1508	1445	1362	1535
<b>50.0</b>	1373	1515	1461	1391	1540
<b>52.5</b>	1413	1508	1474	1421	1532
<b>55.0</b>	1440	1492	1477	1444	1507
<b>57.5</b>	1449	1463	1472	1455	1461
<b>60.0</b>	1436	1421	1452	1442	1402
<b>62.5</b>	1402	1365	1415	1406	1323
<b>65.0</b>	1340	1291	1353	1347	1236
<b>67.5</b>	1257	1200	1271	1263	1139
<b>70.0</b>	1146	1096	1169	1159	1036
<b>72.5</b>	1025	978	1051	1039	926
<b>75.0</b>	884	854	913	904	810
<b>77.5</b>	743	722	764	754	689
<b>80.0</b>	595	579	610	598	554
<b>82.5</b>	440	430	448	436	409
<b>85.0</b>	285	280	284	275	267
<b>87.5</b>	139	135	133	131	131
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	499.03	N.A.	7.20
0-30	1152.54	N.A.	16.50
0-40	2040.91	N.A.	29.20
0-60	4454.35	N.A.	63.80
0-80	6668.7	N.A.	95.50
0-90	6979.44	N.A.	100.00
10-90	6859.36	N.A.	98.30
20-40	1541.88	N.A.	22.10
20-50	2644.18	N.A.	37.90
40-70	3707.13	N.A.	53.10
60-80	2214.35	N.A.	31.70
70-80	920.66	N.A.	13.20
80-90	310.74	N.A.	4.50
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	6979.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	120.08
10-20	378.95
20-30	653.50
30-40	888.38
40-50	1102.3
50-60	1311.14
60-70	1293.69
70-80	920.66
80-90	310.74
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

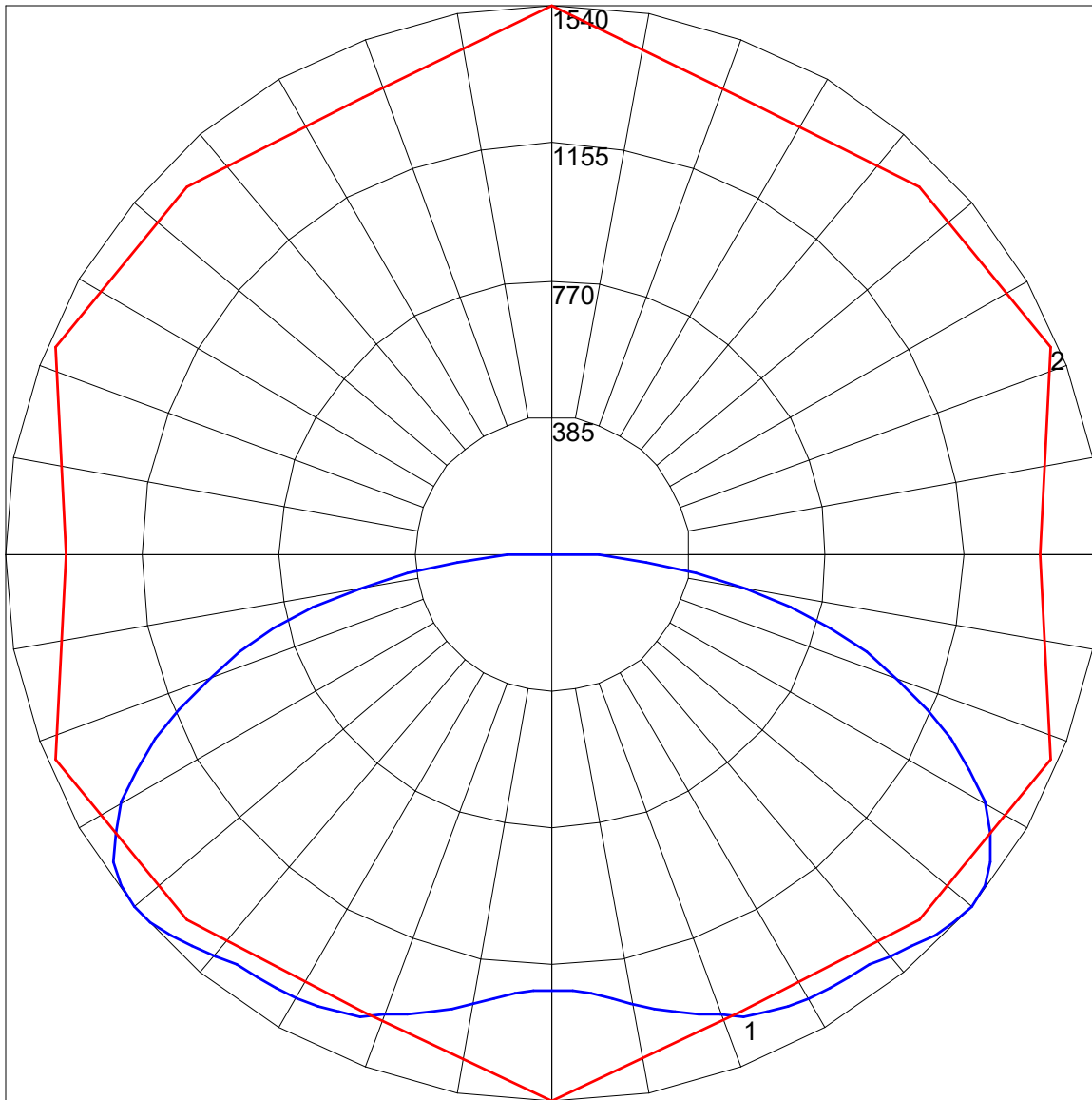
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	31	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 = 1540 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.)