



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : APC-6L-T5-750.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-T5-750

[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] 5000

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6866
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
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	11033	12092	12866
55	15034	15416	15734
65	18978	19166	17510
75	20456	21114	18739
85	19550	19480	18363

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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>
0.0	1209	1209	1209	1209	1209
2.5	1212	1212	1212	1212	1212
5.0	1225	1225	1225	1224	1224
7.5	1244	1242	1242	1242	1242
10.0	1265	1264	1264	1264	1263
12.5	1288	1288	1287	1286	1288
15.0	1311	1312	1311	1309	1312
17.5	1331	1337	1335	1330	1336
20.0	1350	1361	1356	1350	1361
22.5	1370	1383	1376	1368	1384
25.0	1382	1400	1392	1382	1400
27.5	1388	1413	1404	1390	1414
30.0	1385	1419	1409	1391	1423
32.5	1371	1419	1407	1382	1428
35.0	1347	1420	1398	1363	1429
37.5	1314	1422	1391	1339	1436
40.0	1286	1433	1388	1321	1453
42.5	1274	1451	1394	1313	1474
45.0	1282	1469	1405	1320	1495
47.5	1312	1484	1422	1340	1510
50.0	1351	1490	1437	1368	1515
52.5	1390	1484	1450	1398	1507
55.0	1417	1468	1453	1421	1483
57.5	1426	1439	1448	1431	1437
60.0	1413	1398	1428	1419	1379
62.5	1379	1343	1392	1383	1302
65.0	1318	1270	1331	1325	1216
67.5	1237	1181	1250	1243	1121
70.0	1127	1078	1150	1140	1019
72.5	1008	962	1034	1022	911
75.0	870	840	898	889	797
77.5	731	710	752	742	678
80.0	585	570	600	588	545
82.5	433	423	441	429	402
85.0	280	275	279	271	263
87.5	137	133	131	129	129
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	490.95	N.A.	7.20
0-30	1133.86	N.A.	16.50
0-40	2007.86	N.A.	29.20
0-60	4382.14	N.A.	63.80
0-80	6560.53	N.A.	95.50
0-90	6866.25	N.A.	100.00
10-90	6748.1	N.A.	98.30
20-40	1516.91	N.A.	22.10
20-50	2601.32	N.A.	37.90
40-70	3647.00	N.A.	53.10
60-80	2178.39	N.A.	31.70
70-80	905.67	N.A.	13.20
80-90	305.72	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	6866.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	118.15
10-20	372.80
20-30	642.91
30-40	874.00
40-50	1084.41
50-60	1289.87
60-70	1272.72
70-80	905.67
80-90	305.72
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

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**UGR TABLE - CORRECTED**

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size      UGR Viewed Crosswise

X=2H	Y=2H	21.6	23.5	22.0	23.8	24.1	21.6	23.5	22.0	23.8	24.1
	3H	24.3	26.0	24.7	26.4	26.7	24.2	25.9	24.6	26.3	26.6
	4H	25.4	27.0	25.8	27.4	27.7	25.3	26.9	25.7	27.2	27.6
	6H	26.3	27.8	26.7	28.2	28.6	26.1	27.6	26.6	28.0	28.4
	8H	26.6	28.1	27.1	28.5	28.9	26.4	27.9	26.9	28.3	28.7
	12H	26.9	28.3	27.3	28.6	29.1	26.7	28.1	27.1	28.4	28.9

UGR Viewed Endwise

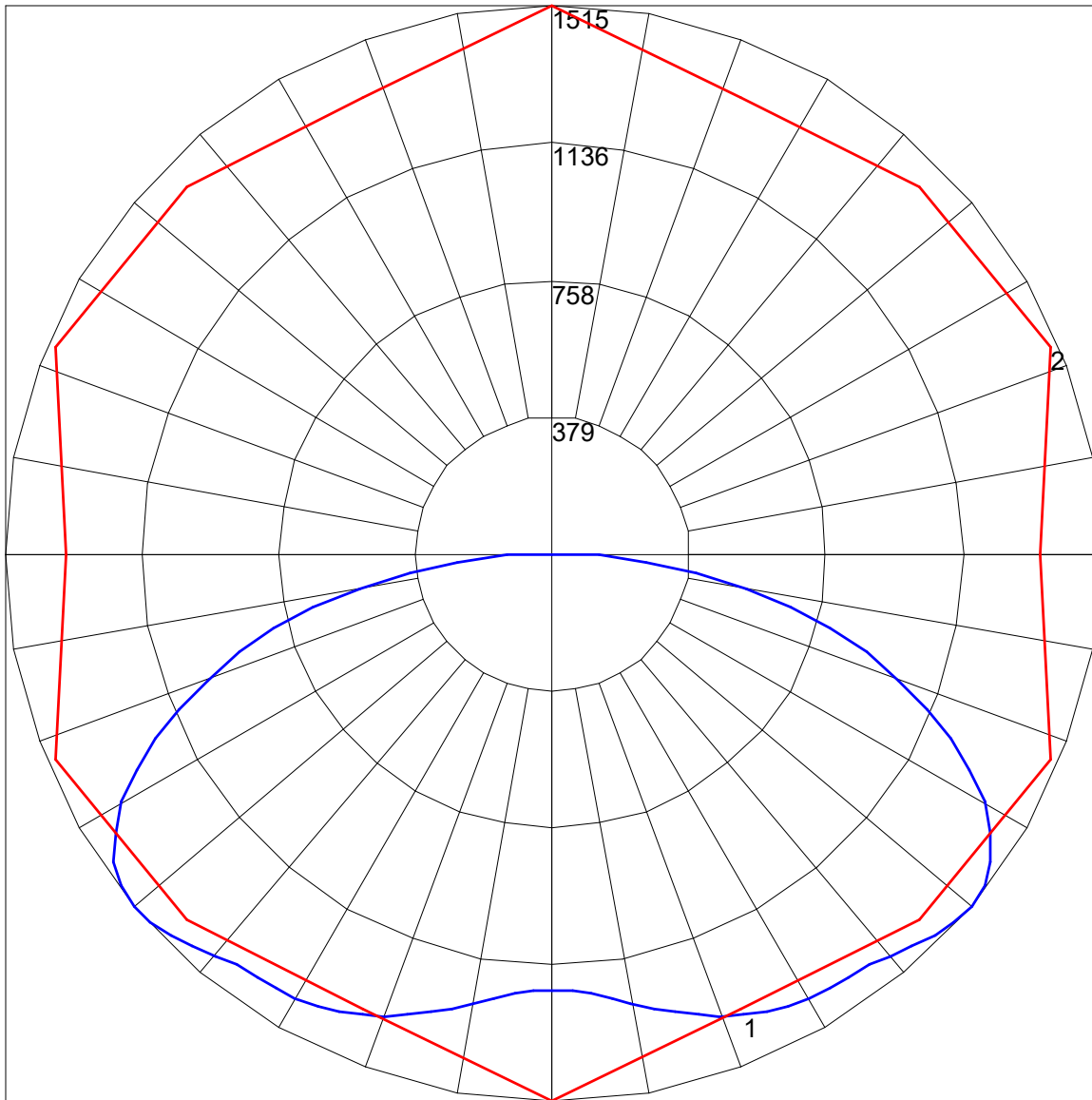
4H	2H	22.6	24.2	23.0	24.6	25.0	22.6	24.2	23.0	24.6	24.9
	3H	25.5	26.9	25.9	27.3	27.7	25.5	26.9	25.9	27.2	27.6
	4H	26.7	28.0	27.1	28.4	28.8	26.7	27.9	27.1	28.3	28.8
	6H	27.7	28.8	28.2	29.3	29.7	27.7	28.8	28.1	29.2	29.7
	8H	28.1	29.1	28.5	29.6	30.0	28.0	29.1	28.5	29.5	30.0
	12H	28.4	29.4	28.9	29.8	30.3	28.3	29.3	28.8	29.7	30.2

8H	4H	27.2	28.3	27.7	28.7	29.2	27.2	28.3	27.7	28.7	29.2
	6H	28.4	29.3	28.9	29.8	30.2	28.4	29.3	28.9	29.7	30.2
	8H	28.9	29.7	29.4	30.2	30.7	28.8	29.6	29.3	30.1	30.6
	12H	29.3	30.0	29.8	30.5	31.0	29.2	29.9	29.7	30.4	31.0

12H	4H	27.3	28.3	27.8	28.7	29.2	27.3	28.3	27.8	28.7	29.2
	6H	28.5	29.4	29.1	29.8	30.3	28.5	29.3	29.0	29.8	30.3
	8H	29.1	29.8	29.6	30.3	30.8	29.0	29.8	29.5	30.2	30.8

Maximum UGR = 31.0

POLAR GRAPH



Maximum Candela = 1515 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.)