



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : APC-8L-T5-750.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-14333  
[TESTLAB] LSI INDUSTRIES, INC.  
[TESTDATE] 08/30/23  
[ISSUEDATE] 08/30/23  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] APC-8L-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	8417
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	68
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.70
Spacing Criterion (90-270)	1.76
Spacing Criterion (Diagonal)	1.92
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	14424	14630	15104
55	18768	18768	18821
65	23673	22247	23341
75	25887	23888	26240
85	24159	23600	24228

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : APC-8L-T5-750.IES**

**CANDELA TABULATION**

	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
<b>0.0</b>	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489
<b>2.5</b>	1492	1492	1492	1492	1492	1492	1493	1492	1493	1493
<b>5.0</b>	1507	1507	1506	1505	1506	1506	1506	1506	1506	1505
<b>7.5</b>	1529	1529	1529	1529	1529	1527	1526	1526	1525	1526
<b>10.0</b>	1555	1556	1556	1555	1554	1553	1552	1551	1550	1550
<b>12.5</b>	1584	1585	1585	1583	1582	1580	1578	1577	1577	1577
<b>15.0</b>	1612	1613	1613	1613	1611	1608	1606	1605	1606	1606
<b>17.5</b>	1640	1640	1640	1640	1638	1635	1633	1632	1632	1634
<b>20.0</b>	1667	1665	1666	1666	1665	1661	1659	1658	1659	1661
<b>22.5</b>	1689	1687	1688	1689	1688	1683	1681	1681	1681	1684
<b>25.0</b>	1705	1705	1706	1707	1706	1701	1698	1698	1699	1704
<b>27.5</b>	1716	1716	1718	1720	1719	1712	1709	1709	1712	1719
<b>30.0</b>	1718	1718	1719	1724	1722	1713	1712	1712	1719	1728
<b>32.5</b>	1708	1708	1710	1719	1717	1707	1705	1707	1716	1730
<b>35.0</b>	1693	1693	1696	1709	1707	1693	1694	1696	1706	1728
<b>37.5</b>	1675	1675	1680	1702	1700	1680	1680	1685	1696	1726
<b>40.0</b>	1662	1662	1671	1702	1704	1675	1673	1678	1691	1729
<b>42.5</b>	1662	1661	1674	1712	1718	1682	1676	1681	1696	1737
<b>45.0</b>	1676	1676	1692	1729	1736	1700	1690	1694	1711	1749
<b>47.5</b>	1696	1698	1719	1747	1754	1727	1713	1716	1734	1763
<b>50.0</b>	1723	1724	1745	1764	1770	1753	1741	1738	1756	1776
<b>52.5</b>	1749	1746	1761	1774	1780	1769	1763	1758	1767	1784
<b>55.0</b>	1769	1759	1763	1775	1778	1769	1778	1768	1764	1782
<b>57.5</b>	1774	1760	1744	1761	1758	1748	1776	1767	1739	1765
<b>60.0</b>	1757	1738	1699	1729	1723	1704	1756	1747	1693	1733
<b>62.5</b>	1716	1692	1629	1672	1663	1637	1709	1703	1627	1678
<b>65.0</b>	1644	1618	1539	1589	1583	1545	1636	1632	1540	1602
<b>67.5</b>	1547	1517	1427	1488	1481	1435	1537	1535	1431	1502
<b>70.0</b>	1418	1391	1302	1366	1360	1309	1414	1410	1311	1385
<b>72.5</b>	1271	1249	1165	1227	1224	1168	1264	1267	1173	1248
<b>75.0</b>	1101	1089	1017	1072	1071	1016	1097	1100	1025	1095
<b>77.5</b>	924	914	861	905	907	860	923	921	865	922
<b>80.0</b>	737	730	695	726	725	691	737	736	694	740
<b>82.5</b>	541	534	517	528	537	517	544	543	519	544
<b>85.0</b>	346	341	329	334	337	338	349	350	339	351
<b>87.5</b>	167	162	155	158	163	164	170	171	169	169
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

**Vert. Angles**      **Horizontal Angles**

	<u>90</u>
<b>0.0</b>	1489
<b>2.5</b>	1493
<b>5.0</b>	1506
<b>7.5</b>	1525
<b>10.0</b>	1551
<b>12.5</b>	1577
<b>15.0</b>	1606
<b>17.5</b>	1634
<b>20.0</b>	1661
<b>22.5</b>	1685
<b>25.0</b>	1705
<b>27.5</b>	1721
<b>30.0</b>	1730

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : APC-8L-T5-750.IES**

**CANDELA TABULATION - (Cont.)**

<b>32.5</b>	1733
<b>35.0</b>	1732
<b>37.5</b>	1732
<b>40.0</b>	1735
<b>42.5</b>	1744
<b>45.0</b>	1755
<b>47.5</b>	1768
<b>50.0</b>	1778
<b>52.5</b>	1779
<b>55.0</b>	1774
<b>57.5</b>	1763
<b>60.0</b>	1738
<b>62.5</b>	1691
<b>65.0</b>	1621
<b>67.5</b>	1526
<b>70.0</b>	1410
<b>72.5</b>	1271
<b>75.0</b>	1116
<b>77.5</b>	943
<b>80.0</b>	757
<b>82.5</b>	553
<b>85.0</b>	347
<b>87.5</b>	167
<b>90.0</b>	0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : APC-8L-T5-750.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	602.76	N.A.	7.20
0-30	1389.58	N.A.	16.50
0-40	2458.74	N.A.	29.20
0-60	5363.53	N.A.	63.70
0-80	8036.63	N.A.	95.50
0-90	8416.86	N.A.	100.00
10-90	8271.58	N.A.	98.30
20-40	1855.99	N.A.	22.10
20-50	3183.29	N.A.	37.80
40-70	4462.43	N.A.	53.00
60-80	2673.1	N.A.	31.80
70-80	1115.46	N.A.	13.30
80-90	380.23	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	8416.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	145.28
10-20	457.48
20-30	786.83
30-40	1069.16
40-50	1327.3
50-60	1577.48
60-70	1557.65
70-80	1115.46
80-90	380.23
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : APC-8L-T5-750.IES**

**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	22.3	24.1	22.7	24.5	24.8	22.3	24.1	22.7	24.5	24.8
	3H	25.0	26.7	25.4	27.0	27.4	25.0	26.7	25.4	27.0	27.4
	4H	26.1	27.7	26.5	28.1	28.4	26.1	27.7	26.5	28.1	28.4
	6H	27.1	28.6	27.5	28.9	29.3	27.1	28.6	27.5	28.9	29.3
	8H	27.4	28.8	27.8	29.2	29.6	27.4	28.9	27.8	29.2	29.6
	12H	27.6	29.0	28.1	29.4	29.8	27.7	29.1	28.1	29.4	29.9

UGR Viewed Endwise

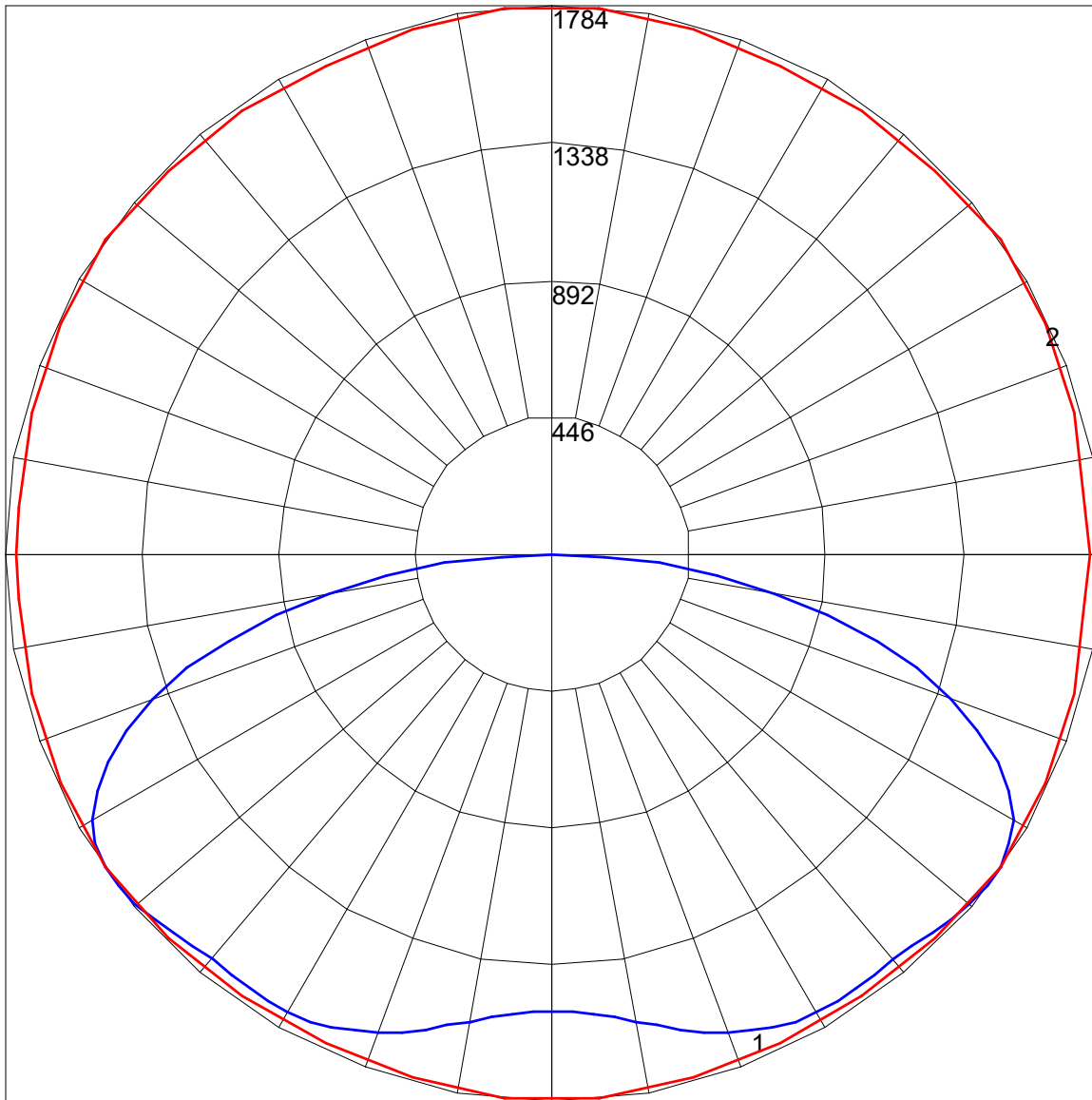
4H	2H	23.2	24.8	23.6	25.2	25.5	23.2	24.8	23.6	25.2	25.5
	3H	26.1	27.5	26.5	27.9	28.3	26.2	27.6	26.6	27.9	28.3
	4H	27.4	28.6	27.8	29.1	29.5	27.4	28.7	27.9	29.1	29.5
	6H	28.4	29.6	28.9	30.0	30.4	28.5	29.6	28.9	30.0	30.5
	8H	28.8	29.9	29.3	30.3	30.8	28.9	29.9	29.3	30.4	30.8
	12H	29.1	30.1	29.6	30.6	31.0	29.2	30.2	29.7	30.6	31.1

8H	4H	27.9	29.0	28.4	29.4	29.8	27.9	29.0	28.4	29.4	29.9
	6H	29.1	30.0	29.6	30.5	30.9	29.2	30.1	29.6	30.5	31.0
	8H	29.6	30.4	30.1	30.9	31.4	29.7	30.5	30.2	31.0	31.4
	12H	30.0	30.7	30.5	31.2	31.7	30.1	30.8	30.6	31.3	31.8

12H	4H	28.0	29.0	28.5	29.4	29.9	28.0	29.0	28.5	29.5	29.9
	6H	29.2	30.1	29.8	30.5	31.0	29.3	30.1	29.8	30.6	31.1
	8H	29.8	30.5	30.3	31.0	31.6	29.9	30.6	30.4	31.1	31.6

Maximum UGR = 31.8

POLAR GRAPH



Maximum Candela = 1784 Located At Horizontal Angle = 85, Vertical Angle = 52.5  
# 1 - Vertical Plane Through Horizontal Angles (85 - 265) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (52.5) (Through Max. Cd.)