



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : APC-4L-T5-750.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-14140  
[TESTLAB] LSI INDUSTRIES, INC.  
[TESTDATE] 07/06/23  
[ISSUE DATE] 07/06/23  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] APC-4L-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	4395
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
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	7066	7737	8236
55	9612	9878	10058
65	12124	12283	11231
75	13167	13543	11850
85	12428	12568	11870

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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>	774	774	774	774	774
<b>2.5</b>	776	776	776	776	776
<b>5.0</b>	784	784	783	783	783
<b>7.5</b>	796	796	796	796	796
<b>10.0</b>	809	810	809	809	809
<b>12.5</b>	826	826	825	824	824
<b>15.0</b>	840	842	840	838	839
<b>17.5</b>	854	857	855	852	856
<b>20.0</b>	865	872	869	865	872
<b>22.5</b>	876	885	881	876	886
<b>25.0</b>	885	897	892	886	897
<b>27.5</b>	889	905	899	891	907
<b>30.0</b>	888	909	902	891	911
<b>32.5</b>	879	910	900	885	914
<b>35.0</b>	863	909	895	872	915
<b>37.5</b>	842	912	890	858	919
<b>40.0</b>	824	919	889	846	930
<b>42.5</b>	815	929	891	839	944
<b>45.0</b>	821	941	899	844	957
<b>47.5</b>	840	949	909	857	967
<b>50.0</b>	865	954	919	875	970
<b>52.5</b>	889	950	927	894	964
<b>55.0</b>	906	940	931	910	948
<b>57.5</b>	913	923	927	915	920
<b>60.0</b>	905	894	914	908	882
<b>62.5</b>	881	858	891	887	835
<b>65.0</b>	842	810	853	849	780
<b>67.5</b>	787	754	801	798	719
<b>70.0</b>	721	689	735	731	650
<b>72.5</b>	644	618	661	651	580
<b>75.0</b>	560	541	576	565	504
<b>77.5</b>	470	457	483	471	427
<b>80.0</b>	377	368	383	375	347
<b>82.5</b>	275	270	281	276	260
<b>85.0</b>	178	172	180	177	170
<b>87.5</b>	82	82	83	84	85
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	314.52	N.A.	7.20
0-30	726.34	N.A.	16.50
0-40	1286.1	N.A.	29.30
0-60	2805.55	N.A.	63.80
0-80	4199.22	N.A.	95.60
0-90	4394.71	N.A.	100.00
10-90	4319.06	N.A.	98.30
20-40	971.57	N.A.	22.10
20-50	1665.48	N.A.	37.90
40-70	2333.92	N.A.	53.10
60-80	1393.67	N.A.	31.70
70-80	579.20	N.A.	13.20
80-90	195.49	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	4394.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	75.65
10-20	238.87
20-30	411.82
30-40	559.76
40-50	693.91
50-60	825.54
60-70	814.47
70-80	579.20
80-90	195.49
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

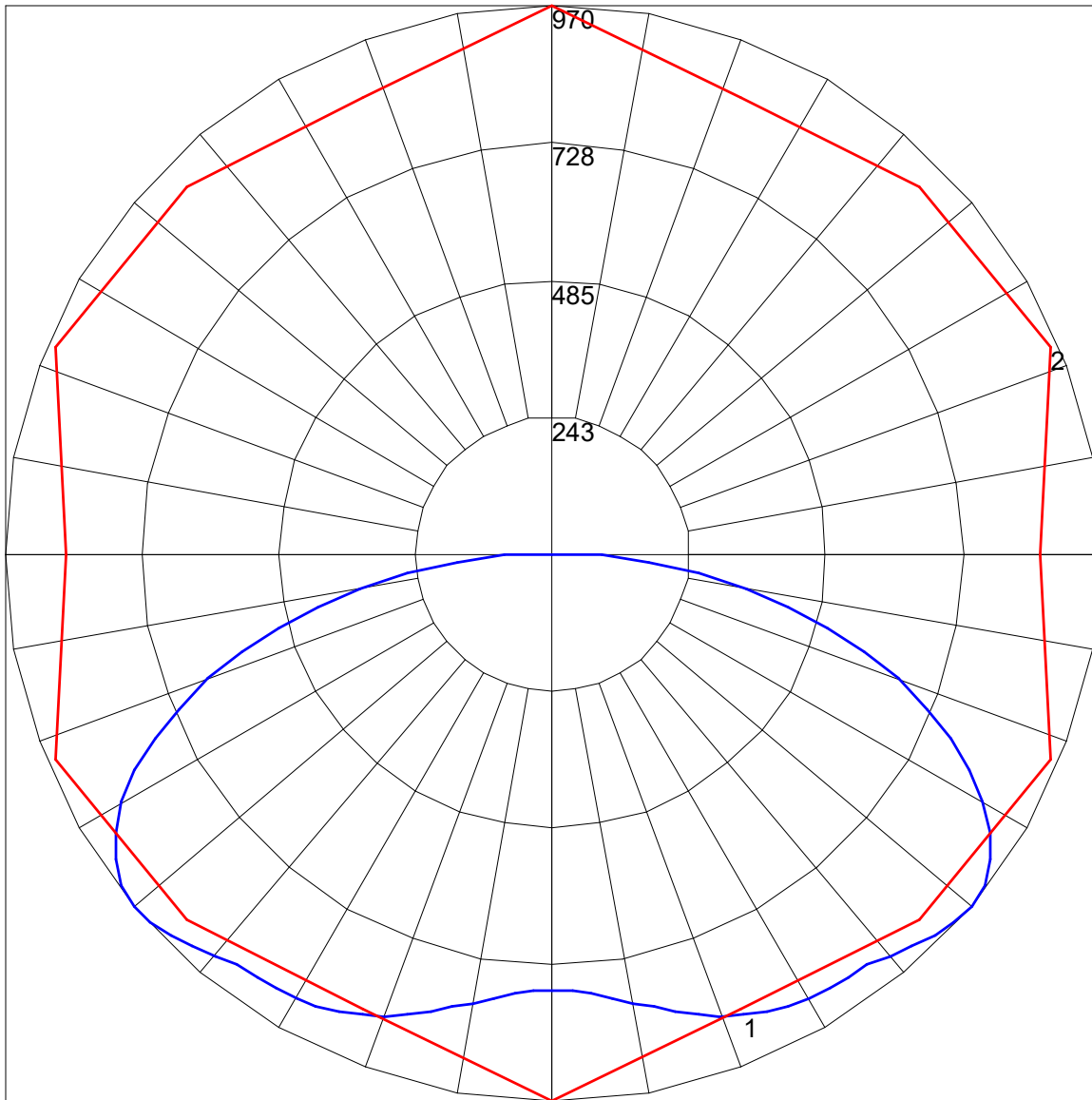
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 970 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.)