



## IES ROAD REPORT

PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] EVERFINE

[TESTDATE] 2016-09-09

[ISSUEDATE] 11/15/2019

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] TEL22-4R-LED-23L-45-IC

[\_SEARCH\_SOURCE] LED

[\_SEARCH\_APPLICATION] Outdoor

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[\_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED

### CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	22773
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	285.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12424
Maximum Candela Angle	230H 70V
Maximum Candela (<90 Degrees Vertical)	12424
Maximum Candela Angle (<90 Degrees Vertical)	230H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3188 (14.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1788.9	N.A.	7.9
FM - Front-Medium (30-60)	5244.1	N.A.	23.0
FH - Front-High (60-80)	3727.9	N.A.	16.4
FVH - Front-Very High (80-90)	69.4	N.A.	0.3
BL - Back-Low (0-30)	1842.5	N.A.	8.1
BM - Back-Medium (30-60)	5653.7	N.A.	24.8
BH - Back-High (60-80)	4327.8	N.A.	19.0
BVH - Back-Very High (80-90)	118.6	N.A.	0.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	22772.9	N.A.	100.0
BUG Rating	B4-U0-G4		

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**CANDELA TABULATION**

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4512	4506	4500	4494	4488	4482	4477	4471	4465	4460
5.0	4498	4486	4475	4463	4451	4440	4428	4417	4406	4396
7.5	4510	4493	4475	4457	4439	4422	4404	4387	4369	4343
10.0	4523	4499	4475	4452	4428	4404	4380	4357	4333	4290
12.5	4567	4536	4505	4474	4444	4397	4351	4304	4258	4169
15.0	4611	4573	4535	4497	4459	4390	4321	4252	4183	4048
17.5	4663	4613	4563	4513	4463	4345	4227	4109	3990	3808
20.0	4715	4653	4591	4529	4467	4300	4133	3965	3798	3568
22.5	4758	4674	4590	4506	4422	4188	3954	3720	3487	3277
25.0	4800	4694	4588	4482	4376	4076	3776	3476	3175	2986
27.5	4749	4604	4459	4315	4170	3842	3514	3186	2858	2731
30.0	4697	4514	4331	4148	3965	3609	3253	2897	2541	2477
32.5	4747	4505	4264	4022	3781	3428	3075	2722	2370	2336
35.0	4797	4497	4197	3897	3598	3248	2898	2548	2198	2195
37.5	4875	4495	4115	3735	3355	3045	2735	2426	2116	2119
40.0	4953	4493	4033	3573	3112	2843	2573	2303	2034	2043
42.5	5081	4526	3970	3415	2860	2638	2415	2193	1971	1980
45.0	5208	4558	3908	3258	2608	2433	2258	2082	1907	1916
47.5	5205	4500	3795	3090	2386	2246	2107	1968	1828	1839
50.0	5202	4442	3682	2923	2163	2060	1956	1853	1749	1761
52.5	5287	4461	3635	2809	1983	1901	1819	1736	1654	1670
55.0	5371	4479	3587	2695	1802	1742	1681	1620	1559	1579
57.5	5192	4302	3412	2521	1631	1586	1541	1496	1452	1475
60.0	5013	4125	3237	2348	1460	1431	1402	1373	1344	1370
62.5	4542	3735	2928	2122	1315	1287	1260	1232	1205	1236
65.0	4071	3346	2620	1895	1169	1144	1118	1092	1066	1103
67.5	2972	2477	1983	1489	995	976	957	939	920	954
70.0	1872	1609	1346	1083	821	809	797	785	773	804
72.5	1220	1066	912	758	604	605	606	607	608	632
75.0	568	523	478	432	387	401	415	429	443	461
77.5	336	312	289	265	241	255	269	283	297	312
80.0	104	102	100	97	95	109	123	137	151	164
82.5	60	59	57	55	54	61	69	77	85	92
85.0	16	15	14	13	12	14	15	17	18	20
87.5	8	8	7	7	6	7	8	8	9	10
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0

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**CANDELA TABULATION - (Cont.)**

132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4455	4450	4445	4440	4435	4429	4424	4418	4411	4405
5.0	4385	4375	4365	4355	4344	4334	4323	4310	4297	4285
7.5	4316	4290	4263	4225	4186	4148	4109	4062	4015	3968
10.0	4247	4204	4162	4095	4028	3961	3895	3814	3733	3652
12.5	4081	3992	3904	3792	3681	3569	3458	3371	3284	3197
15.0	3914	3780	3646	3490	3334	3178	3021	2929	2836	2743
17.5	3626	3444	3262	3134	3006	2877	2749	2700	2652	2603
20.0	3338	3108	2879	2778	2677	2577	2476	2472	2468	2463
22.5	3067	2857	2647	2593	2539	2485	2431	2432	2432	2433
25.0	2796	2606	2416	2409	2401	2394	2386	2391	2397	2402
27.5	2604	2477	2350	2351	2351	2351	2351	2360	2368	2377
30.0	2413	2349	2285	2293	2301	2309	2317	2328	2340	2351
32.5	2302	2268	2235	2246	2257	2269	2280	2293	2307	2321
35.0	2191	2188	2185	2199	2214	2229	2243	2259	2274	2290
37.5	2122	2124	2127	2143	2158	2174	2190	2206	2223	2240
40.0	2052	2061	2070	2086	2103	2119	2136	2154	2172	2191
42.5	1989	1997	2006	2022	2038	2053	2069	2090	2111	2132
45.0	1925	1934	1943	1957	1972	1987	2001	2026	2050	2074
47.5	1849	1860	1871	1890	1909	1928	1947	1967	1986	2006
50.0	1774	1786	1799	1822	1845	1869	1892	1908	1923	1938
52.5	1687	1703	1719	1743	1766	1790	1813	1828	1843	1858
55.0	1600	1620	1640	1663	1687	1711	1734	1749	1763	1778
57.5	1498	1521	1544	1565	1585	1605	1626	1640	1655	1669
60.0	1396	1423	1449	1466	1483	1500	1517	1531	1546	1561
62.5	1268	1299	1331	1344	1356	1369	1382	1392	1403	1414
65.0	1140	1176	1213	1222	1230	1239	1247	1254	1260	1266
67.5	987	1021	1055	1059	1063	1068	1072	1079	1085	1092
70.0	835	866	897	897	897	896	896	903	911	918
72.5	657	681	705	708	711	714	716	725	733	742
75.0	478	496	513	519	525	531	537	546	556	565
77.5	327	342	357	364	370	376	382	390	397	405

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**CANDELA TABULATION - (Cont.)**

80.0	177	189	202	208	215	221	228	233	239	244
82.5	99	107	114	118	122	126	130	133	137	140
85.0	22	24	26	28	29	31	32	33	34	36
87.5	11	12	13	14	15	15	16	17	17	18
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

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

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4398	4390	4382	4374	4367	4359	4351	4343	4335	4328
5.0	4272	4256	4240	4224	4208	4192	4176	4160	4144	4131
7.5	3922	3876	3831	3785	3740	3705	3670	3635	3600	3577
10.0	3572	3497	3422	3347	3272	3217	3163	3109	3055	3022
12.5	3111	3056	3000	2945	2890	2861	2831	2802	2772	2758
15.0	2650	2614	2579	2544	2509	2504	2499	2494	2489	2493
17.5	2554	2537	2521	2504	2487	2486	2485	2484	2483	2487
20.0	2459	2461	2462	2464	2466	2468	2471	2473	2476	2481
22.5	2433	2438	2442	2447	2451	2456	2461	2465	2470	2476
25.0	2407	2415	2422	2430	2437	2444	2450	2457	2463	2470

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**CANDELA TABULATION - (Cont.)**

27.5	2385	2395	2406	2417	2427	2435	2442	2450	2458	2464
30.0	2363	2376	2390	2404	2417	2426	2435	2443	2452	2458
32.5	2334	2348	2361	2375	2388	2399	2409	2420	2430	2437
35.0	2305	2319	2332	2346	2359	2372	2384	2396	2409	2415
37.5	2257	2274	2291	2307	2324	2336	2348	2360	2371	2376
40.0	2209	2229	2249	2268	2288	2300	2311	2323	2334	2338
42.5	2154	2174	2194	2214	2233	2242	2251	2260	2269	2270
45.0	2099	2119	2139	2159	2179	2185	2191	2197	2203	2203
47.5	2026	2043	2061	2078	2095	2103	2111	2119	2127	2129
50.0	1954	1968	1983	1997	2011	2021	2031	2041	2052	2054
52.5	1873	1886	1899	1912	1926	1944	1962	1980	1998	2003
55.0	1792	1804	1816	1828	1840	1866	1892	1918	1944	1952
57.5	1684	1699	1714	1729	1744	1775	1805	1836	1867	1868
60.0	1576	1594	1612	1630	1648	1683	1719	1755	1791	1784
62.5	1424	1443	1463	1482	1501	1537	1573	1609	1645	1623
65.0	1272	1293	1313	1334	1354	1390	1426	1463	1499	1463
67.5	1099	1116	1133	1150	1167	1204	1241	1278	1314	1281
70.0	925	939	952	966	980	1017	1055	1093	1130	1100
72.5	750	764	778	792	805	832	859	885	912	891
75.0	575	589	603	617	631	647	662	678	693	682
77.5	412	422	431	440	449	459	468	477	487	481
80.0	250	254	259	263	268	271	274	277	280	280
82.5	143	146	149	151	154	156	158	160	162	162
85.0	37	38	38	39	40	41	42	43	43	44
87.5	18	19	19	20	20	20	21	21	22	22
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0

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**CANDELA TABULATION - (Cont.)**

167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4322	4315	4309	4303	4298	4292	4287	4291	4295	4299
5.0	4118	4105	4092	4081	4071	4060	4049	4057	4065	4073
7.5	3554	3531	3508	3496	3484	3472	3459	3470	3482	3493
10.0	2990	2957	2924	2911	2897	2883	2870	2884	2898	2913
12.5	2743	2729	2714	2711	2708	2705	2702	2710	2718	2725
15.0	2497	2500	2504	2512	2519	2527	2535	2536	2537	2538
17.5	2492	2496	2500	2509	2517	2525	2534	2535	2536	2538
20.0	2486	2492	2497	2506	2514	2523	2532	2534	2536	2538
22.5	2481	2487	2493	2504	2515	2525	2536	2537	2537	2538
25.0	2476	2483	2489	2502	2515	2528	2540	2540	2539	2538
27.5	2470	2477	2483	2494	2506	2517	2528	2530	2531	2532
30.0	2465	2471	2477	2487	2497	2506	2516	2519	2523	2527
32.5	2443	2449	2455	2464	2473	2482	2491	2496	2501	2506
35.0	2421	2427	2434	2442	2450	2458	2466	2473	2479	2485
37.5	2381	2386	2390	2398	2405	2412	2420	2427	2434	2442
40.0	2341	2344	2347	2354	2360	2366	2373	2381	2390	2399
42.5	2272	2274	2276	2281	2286	2291	2297	2306	2316	2326
45.0	2204	2204	2204	2208	2212	2216	2220	2231	2242	2253
47.5	2130	2132	2133	2138	2142	2147	2152	2164	2176	2187
50.0	2057	2059	2062	2067	2073	2078	2083	2096	2109	2122
52.5	2009	2014	2020	2023	2027	2030	2034	2053	2071	2090
55.0	1961	1969	1977	1979	1981	1983	1984	2009	2034	2059
57.5	1869	1869	1870	1864	1857	1851	1845	1878	1911	1945
60.0	1777	1770	1763	1748	1734	1719	1705	1747	1789	1831
62.5	1602	1581	1559	1548	1537	1527	1516	1552	1588	1624
65.0	1427	1391	1355	1348	1341	1334	1327	1357	1387	1417
67.5	1248	1215	1182	1178	1173	1169	1164	1190	1216	1242
70.0	1070	1040	1010	1008	1006	1004	1002	1023	1045	1066
72.5	870	850	829	827	826	824	823	842	861	880
75.0	671	659	648	647	646	645	644	660	677	693
77.5	476	471	465	464	463	462	462	474	487	499
80.0	281	282	282	282	281	280	280	288	297	305
82.5	163	164	164	164	164	163	163	168	172	177
85.0	45	45	46	46	46	46	46	47	48	49
87.5	22	23	23	23	23	23	23	24	24	24
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4303	4310	4316	4323	4329	4337	4345	4354	4362	4370
5.0	4081	4094	4107	4120	4133	4150	4166	4182	4198	4215
7.5	3504	3527	3551	3574	3597	3632	3667	3703	3738	3784
10.0	2927	2961	2994	3027	3060	3115	3169	3224	3278	3354
12.5	2733	2750	2767	2785	2802	2833	2864	2895	2926	2982
15.0	2539	2540	2541	2542	2543	2551	2558	2566	2573	2611
17.5	2539	2541	2542	2544	2545	2552	2558	2564	2571	2592
20.0	2539	2542	2544	2546	2548	2553	2558	2563	2568	2573
22.5	2538	2541	2544	2546	2549	2554	2559	2563	2568	2572
25.0	2537	2540	2544	2547	2550	2555	2559	2564	2569	2572
27.5	2534	2539	2543	2548	2552	2557	2563	2568	2573	2573
30.0	2531	2537	2543	2549	2555	2560	2566	2571	2577	2574
32.5	2511	2518	2525	2533	2540	2545	2549	2554	2559	2557
35.0	2491	2500	2508	2517	2525	2529	2533	2537	2541	2540
37.5	2449	2461	2472	2483	2494	2499	2503	2508	2512	2510
40.0	2407	2421	2435	2449	2463	2468	2474	2479	2484	2480
42.5	2336	2353	2369	2386	2403	2411	2420	2428	2436	2433
45.0	2264	2284	2303	2323	2343	2354	2365	2377	2388	2387
47.5	2199	2218	2237	2256	2274	2284	2294	2304	2314	2315
50.0	2135	2152	2170	2188	2206	2214	2223	2231	2240	2243
52.5	2109	2124	2139	2154	2169	2166	2164	2162	2160	2163
55.0	2084	2096	2108	2120	2132	2119	2106	2093	2080	2083
57.5	1978	1999	2020	2041	2062	2041	2020	1999	1977	1981
60.0	1873	1903	1932	1962	1992	1963	1934	1905	1875	1879



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

62.5	1660	1710	1759	1809	1858	1825	1792	1759	1726	1728
65.0	1447	1517	1586	1655	1725	1688	1651	1614	1577	1578
67.5	1268	1333	1398	1463	1528	1493	1458	1423	1387	1388
70.0	1088	1149	1210	1270	1331	1298	1265	1231	1198	1198
72.5	899	946	992	1039	1086	1063	1041	1018	996	995
75.0	710	743	775	808	840	829	817	805	793	793
77.5	512	532	553	573	594	591	588	585	582	583
80.0	313	322	331	339	348	354	360	365	371	372
82.5	182	186	191	196	201	204	208	212	215	217
85.0	50	51	52	53	54	55	57	58	59	61
87.5	25	25	26	27	27	28	28	29	30	31
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

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

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4378	4386	4394	4402	4409	4417	4424	4430	4436	4442
5.0	4231	4248	4264	4279	4294	4309	4324	4335	4347	4359
7.5	3830	3876	3922	3970	4018	4066	4114	4154	4194	4233

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

10.0	3429	3505	3581	3662	3743	3824	3905	3972	4040	4108
12.5	3039	3095	3152	3239	3327	3414	3501	3612	3722	3833
15.0	2648	2686	2723	2817	2910	3004	3098	3251	3405	3558
17.5	2613	2634	2655	2706	2757	2808	2859	2988	3116	3245
20.0	2577	2582	2587	2596	2604	2612	2621	2725	2828	2932
22.5	2576	2580	2584	2589	2595	2600	2606	2662	2718	2775
25.0	2575	2577	2580	2583	2586	2588	2591	2600	2609	2617
27.5	2573	2573	2573	2574	2575	2576	2577	2582	2586	2590
30.0	2571	2569	2566	2566	2565	2564	2564	2563	2563	2562
32.5	2555	2554	2552	2551	2549	2547	2545	2543	2540	2538
35.0	2539	2539	2538	2536	2533	2530	2527	2522	2517	2513
37.5	2508	2505	2503	2501	2498	2496	2493	2487	2481	2475
40.0	2476	2472	2468	2466	2464	2462	2460	2452	2445	2437
42.5	2431	2428	2425	2420	2414	2409	2404	2396	2387	2379
45.0	2386	2384	2383	2374	2365	2356	2347	2339	2330	2322
47.5	2316	2316	2317	2310	2302	2295	2288	2278	2268	2258
50.0	2246	2249	2252	2246	2240	2234	2228	2217	2206	2195
52.5	2166	2169	2172	2169	2165	2162	2158	2148	2138	2128
55.0	2086	2089	2092	2091	2090	2089	2088	2079	2070	2061
57.5	1984	1988	1991	1990	1990	1989	1988	1980	1971	1963
60.0	1882	1886	1890	1889	1889	1889	1888	1880	1873	1865
62.5	1731	1733	1735	1738	1740	1742	1744	1741	1739	1736
65.0	1579	1580	1581	1586	1590	1595	1600	1602	1605	1608
67.5	1388	1389	1389	1394	1399	1404	1409	1414	1418	1422
70.0	1197	1197	1197	1202	1208	1213	1219	1225	1231	1237
72.5	995	994	994	996	998	1000	1002	1008	1013	1018
75.0	792	791	791	789	788	787	786	791	796	800
77.5	583	583	583	583	582	582	582	585	588	591
80.0	373	374	375	376	376	377	378	379	380	382
82.5	218	220	221	224	226	228	230	231	233	234
85.0	63	65	68	71	75	79	82	84	85	87
87.5	32	33	34	36	38	39	41	42	43	43
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4448	4454	4459	4465	4471	4477	4482	4488	4493	4500
5.0	4371	4382	4394	4405	4417	4428	4439	4450	4462	4474
7.5	4273	4303	4332	4362	4392	4411	4430	4449	4468	4487
10.0	4175	4223	4271	4319	4366	4394	4421	4448	4475	4501
12.5	3943	4035	4126	4218	4309	4360	4410	4461	4511	4545
15.0	3712	3847	3982	4117	4252	4326	4400	4474	4548	4589
17.5	3374	3555	3736	3917	4098	4216	4333	4451	4569	4624
20.0	3036	3263	3490	3716	3943	4105	4267	4429	4590	4660
22.5	2831	3041	3251	3460	3670	3895	4120	4345	4570	4665
25.0	2626	2819	3012	3204	3397	3685	3973	4261	4550	4669
27.5	2594	2730	2866	3001	3137	3470	3803	4136	4469	4624
30.0	2562	2641	2720	2799	2877	3255	3633	4011	4389	4579
32.5	2535	2578	2622	2665	2708	3087	3466	3845	4224	4470
35.0	2508	2516	2523	2531	2539	2919	3299	3679	4058	4360
37.5	2469	2471	2473	2476	2478	2814	3149	3485	3821	4198
40.0	2430	2426	2423	2420	2417	2709	3000	3292	3583	4036
42.5	2371	2369	2366	2363	2361	2605	2850	3094	3339	3872
45.0	2313	2311	2309	2307	2304	2502	2700	2897	3095	3708
47.5	2248	2247	2245	2243	2241	2399	2557	2715	2873	3562
50.0	2184	2182	2181	2180	2178	2297	2415	2533	2652	3417
52.5	2118	2113	2109	2104	2100	2186	2273	2360	2446	3280
55.0	2052	2045	2037	2029	2021	2076	2131	2186	2241	3143
57.5	1955	1944	1933	1922	1911	1951	1991	2031	2071	3001
60.0	1857	1843	1829	1814	1800	1826	1851	1877	1902	2859
62.5	1733	1714	1694	1674	1654	1682	1711	1739	1767	2669
65.0	1610	1585	1559	1533	1508	1539	1570	1601	1632	2479
67.5	1427	1405	1384	1363	1342	1364	1387	1409	1432	2146
70.0	1243	1226	1209	1192	1175	1189	1204	1218	1232	1812
72.5	1024	1008	993	977	962	964	967	970	973	1362
75.0	805	791	777	762	748	739	731	722	713	913
77.5	594	586	577	569	560	543	525	508	490	591
80.0	383	380	378	375	373	346	320	293	267	270
82.5	236	234	233	232	230	213	197	180	163	164
85.0	88	88	88	88	88	81	74	67	60	57
87.5	44	44	44	44	44	40	37	34	30	29
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

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

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4506	4512	4519	4526	4532	4539	4546	4552	4559	4566
5.0	4487	4500	4513	4526	4540	4553	4567	4580	4593	4607
7.5	4507	4526	4545	4564	4583	4602	4620	4638	4656	4674
10.0	4526	4552	4577	4601	4626	4650	4674	4696	4718	4741
12.5	4578	4611	4645	4675	4706	4736	4767	4797	4827	4857
15.0	4630	4671	4712	4749	4786	4823	4860	4897	4935	4973
17.5	4680	4735	4791	4837	4884	4930	4977	5024	5072	5119
20.0	4730	4800	4870	4926	4982	5038	5094	5152	5209	5266
22.5	4759	4854	4948	5016	5084	5151	5219	5287	5356	5424
25.0	4788	4908	5027	5106	5186	5265	5344	5423	5502	5582
27.5	4779	4934	5088	5181	5273	5366	5459	5541	5624	5707
30.0	4769	4959	5150	5255	5361	5467	5573	5660	5746	5832
32.5	4715	4961	5207	5326	5445	5564	5683	5762	5840	5919
35.0	4662	4963	5265	5397	5529	5661	5792	5864	5935	6006
37.5	4575	4953	5330	5474	5618	5763	5907	5978	6049	6120
40.0	4489	4942	5394	5551	5708	5865	6021	6092	6163	6233
42.5	4405	4938	5471	5638	5806	5973	6140	6224	6307	6390

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

45.0	4321	4934	5547	5725	5903	6081	6260	6355	6451	6547
47.5	4252	4941	5630	5852	6074	6296	6518	6626	6734	6841
50.0	4182	4947	5712	5979	6245	6511	6777	6897	7016	7136
52.5	4114	4948	5782	6083	6383	6684	6985	7124	7263	7402
55.0	4046	4949	5852	6187	6522	6857	7192	7351	7510	7669
57.5	3931	4860	5790	6166	6542	6918	7294	7494	7694	7893
60.0	3815	4772	5728	6145	6562	6980	7397	7637	7877	8117
62.5	3571	4473	5375	5826	6277	6728	7180	7550	7921	8292
65.0	3327	4174	5022	5507	5992	6477	6962	7464	7965	8467
67.5	2859	3573	4287	4795	5302	5810	6318	7008	7699	8389
70.0	2392	2972	3552	4082	4613	5143	5673	6553	7432	8312
72.5	1752	2142	2532	3024	3517	4010	4502	5392	6282	7172
75.0	1112	1312	1512	1967	2421	2876	3331	4231	5131	6032
77.5	693	794	896	1183	1471	1758	2045	2655	3265	3876
80.0	273	277	280	400	520	639	759	1079	1400	1720
82.5	164	164	164	228	291	355	418	580	742	905
85.0	54	51	48	55	63	70	77	81	85	90
87.5	27	26	24	28	31	35	39	41	43	45
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>200.0</u></b>	<b><u>202.5</u></b>	<b><u>205.0</u></b>	<b><u>207.5</u></b>	<b><u>210.0</u></b>	<b><u>212.5</u></b>	<b><u>215.0</u></b>	<b><u>217.5</u></b>	<b><u>220.0</u></b>	<b><u>222.5</u></b>
<b>0.0</b>	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
<b>2.5</b>	4572	4579	4587	4594	4601	4607	4614	4620	4627	4633
<b>5.0</b>	4620	4634	4648	4662	4676	4689	4702	4715	4728	4741
<b>7.5</b>	4691	4709	4728	4746	4764	4781	4798	4815	4832	4851
<b>10.0</b>	4763	4785	4807	4829	4851	4872	4894	4915	4936	4961
<b>12.5</b>	4887	4915	4943	4971	5000	5021	5042	5064	5085	5104
<b>15.0</b>	5011	5045	5079	5114	5148	5170	5191	5212	5234	5247
<b>17.5</b>	5167	5206	5245	5284	5323	5345	5367	5388	5410	5423
<b>20.0</b>	5323	5367	5411	5455	5498	5521	5543	5565	5587	5599
<b>22.5</b>	5492	5537	5583	5628	5674	5697	5720	5744	5767	5775
<b>25.0</b>	5661	5708	5755	5802	5849	5874	5898	5922	5947	5951
<b>27.5</b>	5790	5838	5886	5934	5981	6008	6034	6061	6087	6097
<b>30.0</b>	5919	5968	6016	6065	6114	6142	6171	6199	6228	6243
<b>32.5</b>	5998	6051	6105	6158	6212	6254	6297	6339	6382	6410
<b>35.0</b>	6077	6135	6193	6251	6309	6366	6423	6479	6536	6577
<b>37.5</b>	6191	6255	6319	6383	6447	6506	6566	6625	6684	6739
<b>40.0</b>	6304	6374	6444	6514	6584	6646	6709	6771	6833	6901
<b>42.5</b>	6474	6547	6620	6693	6766	6830	6894	6958	7023	7081
<b>45.0</b>	6643	6719	6796	6872	6948	7014	7080	7146	7212	7262
<b>47.5</b>	6949	7020	7090	7161	7231	7256	7281	7306	7330	7362
<b>50.0</b>	7255	7320	7385	7450	7514	7498	7481	7465	7448	7462
<b>52.5</b>	7541	7621	7700	7780	7859	7811	7762	7713	7664	7646
<b>55.0</b>	7828	7922	8016	8110	8205	8124	8042	7961	7880	7831
<b>57.5</b>	8093	8161	8230	8299	8367	8301	8235	8169	8102	8099
<b>60.0</b>	8357	8401	8444	8487	8530	8479	8427	8376	8324	8368
<b>62.5</b>	8663	8741	8820	8899	8977	8926	8875	8824	8773	8964
<b>65.0</b>	8968	9082	9196	9310	9424	9373	9323	9272	9222	9561
<b>67.5</b>	9080	9336	9593	9849	10106	10276	10445	10615	10785	10964
<b>70.0</b>	9191	9590	9989	10388	10788	11178	11568	11958	12349	12367
<b>72.5</b>	8061	8699	9337	9975	10613	11050	11487	11923	12360	11869
<b>75.0</b>	6932	7808	8685	9562	10439	10922	11405	11889	12372	11371
<b>77.5</b>	4486	5068	5650	6232	6814	6856	6899	6941	6984	6423
<b>80.0</b>	2040	2327	2614	2901	3188	2790	2392	1994	1596	1475
<b>82.5</b>	1067	1209	1352	1494	1636	1433	1230	1026	823	761
<b>85.0</b>	94	91	89	86	84	75	67	59	51	47
<b>87.5</b>	47	46	44	43	42	38	34	29	25	23
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0
<b>92.5</b>	0	0	0	0	0	0	0	0	0	0
<b>95.0</b>	0	0	0	0	0	0	0	0	0	0
<b>97.5</b>	0	0	0	0	0	0	0	0	0	0
<b>100.0</b>	0	0	0	0	0	0	0	0	0	0
<b>102.5</b>	0	0	0	0	0	0	0	0	0	0
<b>105.0</b>	0	0	0	0	0	0	0	0	0	0
<b>107.5</b>	0	0	0	0	0	0	0	0	0	0
<b>110.0</b>	0	0	0	0	0	0	0	0	0	0
<b>112.5</b>	0	0	0	0	0	0	0	0	0	0
<b>115.0</b>	0	0	0	0	0	0	0	0	0	0
<b>117.5</b>	0	0	0	0	0	0	0	0	0	0
<b>120.0</b>	0	0	0	0	0	0	0	0	0	0
<b>122.5</b>	0	0	0	0	0	0	0	0	0	0
<b>125.0</b>	0	0	0	0	0	0	0	0	0	0
<b>127.5</b>	0	0	0	0	0	0	0	0	0	0
<b>130.0</b>	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4639	4645	4652	4657	4662	4668	4673	4677	4680	4684
5.0	4753	4766	4778	4789	4800	4810	4821	4828	4836	4843
7.5	4869	4888	4907	4923	4940	4957	4974	4987	5001	5014
10.0	4986	5010	5035	5058	5081	5104	5128	5147	5166	5185
12.5	5123	5142	5161	5182	5204	5226	5248	5269	5291	5313
15.0	5260	5273	5287	5307	5327	5347	5368	5392	5416	5441
17.5	5435	5448	5460	5474	5488	5502	5516	5536	5557	5578
20.0	5610	5622	5634	5641	5649	5656	5664	5681	5697	5714
22.5	5783	5790	5798	5799	5801	5802	5803	5813	5823	5833
25.0	5955	5959	5963	5957	5952	5947	5942	5945	5948	5951
27.5	6106	6116	6125	6122	6119	6116	6113	6109	6104	6100
30.0	6258	6273	6288	6287	6286	6285	6284	6272	6260	6248
32.5	6438	6466	6494	6495	6496	6497	6499	6484	6469	6454
35.0	6618	6659	6700	6703	6706	6709	6713	6695	6677	6660
37.5	6793	6847	6902	6921	6940	6960	6979	6961	6942	6924
40.0	6968	7036	7104	7139	7175	7210	7246	7227	7207	7188
42.5	7139	7198	7256	7292	7327	7363	7398	7387	7377	7366
45.0	7311	7360	7409	7444	7480	7515	7550	7548	7547	7545
47.5	7393	7424	7456	7494	7533	7571	7610	7630	7650	7670
50.0	7475	7489	7502	7544	7586	7628	7670	7711	7753	7795
52.5	7629	7611	7593	7667	7742	7816	7890	7977	8063	8150
55.0	7782	7733	7684	7791	7897	8004	8111	8242	8373	8504
57.5	8097	8094	8091	8255	8419	8582	8746	8936	9125	9315
60.0	8411	8455	8498	8719	8940	9160	9381	9629	9877	10125
62.5	9156	9347	9538	9821	10105	10388	10671	10718	10765	10812
65.0	9900	10239	10578	10924	11270	11615	11961	11807	11653	11498
67.5	11143	11322	11501	11497	11493	11489	11484	11048	10611	10175
70.0	12386	12405	12424	12070	11716	11362	11007	10289	9570	8851
72.5	11378	10887	10395	9699	9003	8307	7611	6979	6348	5717
75.0	10369	9368	8367	7329	6291	5252	4214	3670	3126	2583
77.5	5861	5300	4739	4180	3621	3062	2503	2195	1887	1579

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

80.0	1354	1232	1111	1032	952	873	793	720	648	576
82.5	698	636	573	532	491	450	409	372	335	298
85.0	43	39	35	32	30	27	24	23	22	21
87.5	21	19	17	16	15	13	12	12	11	10
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

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

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4688	4689	4691	4692	4693	4693	4692	4692	4691	4691
5.0	4851	4854	4856	4859	4862	4861	4859	4858	4857	4857
7.5	5028	5036	5044	5053	5061	5062	5062	5063	5063	5059
10.0	5204	5218	5232	5247	5261	5263	5265	5267	5269	5262
12.5	5335	5352	5369	5386	5403	5408	5412	5417	5421	5410
15.0	5465	5485	5505	5525	5545	5552	5559	5566	5574	5559
17.5	5598	5614	5630	5645	5661	5668	5675	5682	5689	5674
20.0	5731	5742	5754	5765	5777	5784	5790	5797	5804	5790
22.5	5843	5850	5857	5864	5872	5878	5885	5892	5899	5884
25.0	5954	5957	5960	5963	5966	5973	5980	5987	5993	5978



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

27.5	6095	6096	6096	6096	6096	6101	6105	6110	6115	6099
30.0	6236	6234	6231	6229	6226	6229	6231	6233	6236	6221
32.5	6439	6436	6432	6428	6425	6422	6419	6417	6414	6403
35.0	6642	6637	6633	6628	6623	6615	6608	6600	6592	6584
37.5	6905	6895	6885	6875	6865	6857	6849	6841	6833	6825
40.0	7169	7153	7138	7123	7107	7099	7090	7082	7073	7066
42.5	7356	7351	7347	7343	7338	7339	7339	7339	7340	7320
45.0	7543	7549	7556	7563	7569	7579	7588	7597	7606	7574
47.5	7690	7719	7748	7778	7807	7839	7871	7904	7936	7885
50.0	7837	7889	7941	7993	8045	8100	8155	8210	8265	8196
52.5	8236	8307	8378	8449	8520	8567	8615	8662	8710	8648
55.0	8635	8725	8815	8905	8995	9035	9075	9115	9155	9100
57.5	9504	9624	9744	9864	9984	10020	10057	10093	10129	10088
60.0	10373	10523	10673	10823	10973	11006	11038	11071	11103	11076
62.5	10858	10891	10924	10956	10989	10962	10934	10906	10879	10906
65.0	11344	11259	11175	11090	11005	10918	10830	10742	10654	10737
67.5	9738	9274	8811	8347	7884	7796	7709	7622	7535	7640
70.0	8132	7290	6447	5604	4762	4675	4589	4502	4416	4544
72.5	5085	4578	4070	3562	3054	2985	2917	2848	2779	2855
75.0	2039	1865	1692	1519	1346	1295	1244	1194	1143	1166
77.5	1271	1161	1051	941	831	801	770	739	709	723
80.0	503	457	410	363	317	306	295	285	274	280
82.5	261	238	214	190	167	161	156	150	145	148
85.0	19	19	18	17	17	16	16	16	16	16
87.5	10	9	9	9	8	8	8	8	8	8
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4691	4691	4691	4689	4687	4684	4682	4678	4674	4669
5.0	4857	4857	4857	4852	4848	4844	4839	4831	4822	4814
7.5	5056	5052	5049	5038	5027	5016	5006	4990	4974	4958
10.0	5255	5248	5241	5223	5206	5189	5172	5149	5125	5102
12.5	5400	5389	5378	5356	5335	5313	5292	5265	5237	5210
15.0	5544	5529	5515	5489	5464	5438	5413	5381	5349	5318
17.5	5660	5646	5632	5608	5584	5560	5536	5508	5479	5451
20.0	5776	5763	5749	5727	5704	5682	5660	5635	5609	5584
22.5	5869	5855	5840	5822	5803	5785	5767	5747	5727	5707
25.0	5962	5946	5931	5917	5902	5888	5874	5859	5845	5830
27.5	6084	6069	6054	6042	6030	6018	6006	5993	5980	5967
30.0	6206	6192	6177	6167	6158	6148	6138	6127	6116	6105
32.5	6391	6380	6369	6357	6345	6333	6321	6306	6291	6276
35.0	6577	6569	6561	6546	6532	6517	6503	6485	6466	6448
37.5	6818	6811	6803	6790	6777	6763	6750	6725	6700	6674
40.0	7060	7053	7046	7034	7022	7010	6997	6965	6933	6901
42.5	7300	7281	7261	7232	7204	7175	7146	7074	7002	6929
45.0	7541	7508	7476	7431	7385	7340	7295	7183	7070	6957
47.5	7834	7784	7733	7671	7610	7548	7486	7347	7209	7070
50.0	8128	8059	7990	7912	7834	7755	7677	7512	7347	7182
52.5	8587	8525	8463	8347	8231	8115	7999	7809	7620	7430
55.0	9046	8991	8936	8782	8628	8474	8320	8106	7892	7678
57.5	10047	10006	9966	9736	9505	9275	9045	8816	8587	8357
60.0	11049	11022	10995	10689	10383	10077	9770	9526	9281	9036
62.5	10934	10962	10989	10820	10650	10481	10311	10238	10165	10092
65.0	10819	10901	10984	10951	10918	10885	10852	10950	11049	11147
67.5	7745	7850	7956	8320	8685	9050	9415	9699	9983	10267
70.0	4672	4799	4927	5690	6453	7216	7978	8448	8918	9388
72.5	2930	3006	3081	3518	3956	4393	4831	5316	5801	6287
75.0	1189	1212	1235	1347	1459	1571	1683	2184	2685	3185
77.5	737	752	766	838	909	980	1051	1323	1595	1868
80.0	286	292	298	328	359	389	419	463	506	550
82.5	151	154	157	172	187	202	217	239	261	283
85.0	15	15	15	15	15	15	15	15	15	15
87.5	8	8	8	8	7	7	7	8	8	8
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4665	4659	4654	4648	4642	4636	4629	4623	4617	4609
5.0	4805	4794	4782	4770	4759	4746	4733	4721	4708	4694
7.5	4942	4924	4905	4887	4868	4850	4832	4814	4797	4779
10.0	5079	5054	5028	5003	4977	4954	4931	4908	4885	4865
12.5	5183	5160	5136	5113	5090	5070	5050	5030	5011	4989
15.0	5286	5265	5244	5223	5202	5186	5169	5152	5136	5113
17.5	5423	5405	5387	5369	5351	5333	5315	5297	5279	5254
20.0	5559	5544	5530	5515	5500	5481	5461	5442	5422	5395
22.5	5687	5673	5660	5646	5632	5616	5599	5583	5566	5536
25.0	5815	5803	5790	5778	5765	5751	5737	5723	5710	5676
27.5	5954	5935	5916	5898	5879	5860	5842	5824	5806	5742
30.0	6093	6068	6043	6018	5992	5970	5947	5924	5901	5808
32.5	6261	6235	6208	6182	6155	6085	6014	5944	5873	5804
35.0	6429	6401	6374	6346	6318	6200	6082	5963	5845	5801
37.5	6649	6572	6496	6419	6342	6259	6175	6092	6008	5964
40.0	6869	6743	6617	6492	6366	6318	6269	6220	6172	6126
42.5	6857	6773	6689	6606	6522	6483	6444	6405	6365	6329
45.0	6845	6803	6761	6720	6678	6648	6618	6589	6559	6532
47.5	6931	6894	6857	6820	6783	6768	6753	6738	6723	6733
50.0	7017	6985	6952	6920	6887	6887	6887	6887	6887	6935
52.5	7241	7178	7116	7054	6991	7005	7018	7032	7045	7104
55.0	7464	7372	7280	7187	7095	7122	7149	7176	7203	7273
57.5	8128	7928	7729	7529	7329	7356	7382	7408	7434	7552
60.0	8791	8485	8178	7871	7564	7589	7614	7639	7664	7832

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

62.5	10018	9656	9293	8930	8567	8542	8516	8491	8465	8474
65.0	11245	10827	10408	9989	9571	9495	9418	9342	9266	9115
67.5	10552	10515	10478	10441	10404	10396	10389	10382	10374	9978
70.0	9858	10202	10547	10892	11237	11298	11360	11421	11483	10841
72.5	6772	7338	7905	8472	9038	9507	9976	10445	10914	10182
75.0	3686	4475	5263	6051	6840	7716	8592	9469	10345	9522
77.5	2140	2542	2943	3345	3746	4286	4826	5365	5905	5503
80.0	594	609	623	638	653	856	1059	1262	1464	1483
82.5	305	312	320	328	336	437	539	641	742	752
85.0	15	16	17	18	18	19	19	20	20	21
87.5	8	8	8	9	9	9	10	10	10	10
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

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

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	4525	4525	4525	4525	4525	4525	4525	4525	4525	4525
2.5	4602	4595	4588	4582	4575	4569	4562	4556	4549	4543
5.0	4680	4665	4651	4638	4626	4613	4600	4587	4574	4561
7.5	4762	4744	4727	4710	4692	4675	4658	4639	4621	4602

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

10.0	4844	4823	4803	4781	4759	4737	4716	4692	4668	4644
12.5	4967	4945	4923	4896	4869	4842	4815	4784	4753	4722
15.0	5090	5066	5043	5011	4979	4947	4914	4876	4838	4800
17.5	5228	5203	5177	5141	5106	5070	5034	4989	4943	4897
20.0	5367	5339	5311	5272	5233	5193	5154	5101	5048	4995
22.5	5505	5475	5444	5403	5362	5321	5280	5219	5158	5097
25.0	5643	5610	5577	5534	5492	5449	5407	5338	5269	5200
27.5	5678	5615	5551	5510	5468	5427	5385	5314	5242	5170
30.0	5714	5620	5526	5485	5445	5404	5363	5289	5215	5141
32.5	5736	5667	5598	5560	5523	5485	5447	5375	5304	5232
35.0	5758	5714	5671	5636	5601	5566	5531	5462	5392	5323
37.5	5919	5874	5830	5787	5745	5703	5661	5592	5524	5455
40.0	6080	6034	5988	5939	5890	5840	5791	5723	5655	5587
42.5	6292	6255	6219	6172	6125	6079	6032	5957	5881	5806
45.0	6504	6477	6449	6405	6361	6317	6273	6190	6107	6024
47.5	6743	6753	6763	6683	6603	6523	6443	6347	6251	6155
50.0	6982	7029	7076	6961	6845	6729	6613	6504	6395	6286
52.5	7162	7220	7278	7200	7123	7045	6967	6831	6694	6558
55.0	7342	7411	7480	7440	7401	7361	7321	7157	6994	6830
57.5	7671	7790	7909	7840	7771	7702	7632	7405	7177	6950
60.0	8001	8169	8338	8239	8141	8042	7944	7653	7361	7070
62.5	8482	8491	8500	8336	8173	8009	7846	7471	7097	6723
65.0	8964	8813	8662	8434	8205	7976	7747	7290	6833	6375
67.5	9582	9185	8789	8427	8065	7703	7341	6793	6245	5696
70.0	10199	9557	8916	8420	7925	7430	6934	6295	5656	5017
72.5	9449	8717	7985	7414	6844	6273	5703	5072	4442	3811
75.0	8699	7877	7054	6408	5762	5117	4471	3849	3227	2605
77.5	5100	4698	4296	3896	3496	3097	2697	2305	1914	1522
80.0	1501	1520	1538	1384	1230	1076	922	762	601	440
82.5	761	771	780	703	626	550	473	392	311	230
85.0	21	22	22	22	23	23	23	22	21	20
87.5	11	11	11	11	11	11	12	11	11	10
90.0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0
105.0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES**

**CANDELA TABULATION - (Cont.)**

150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

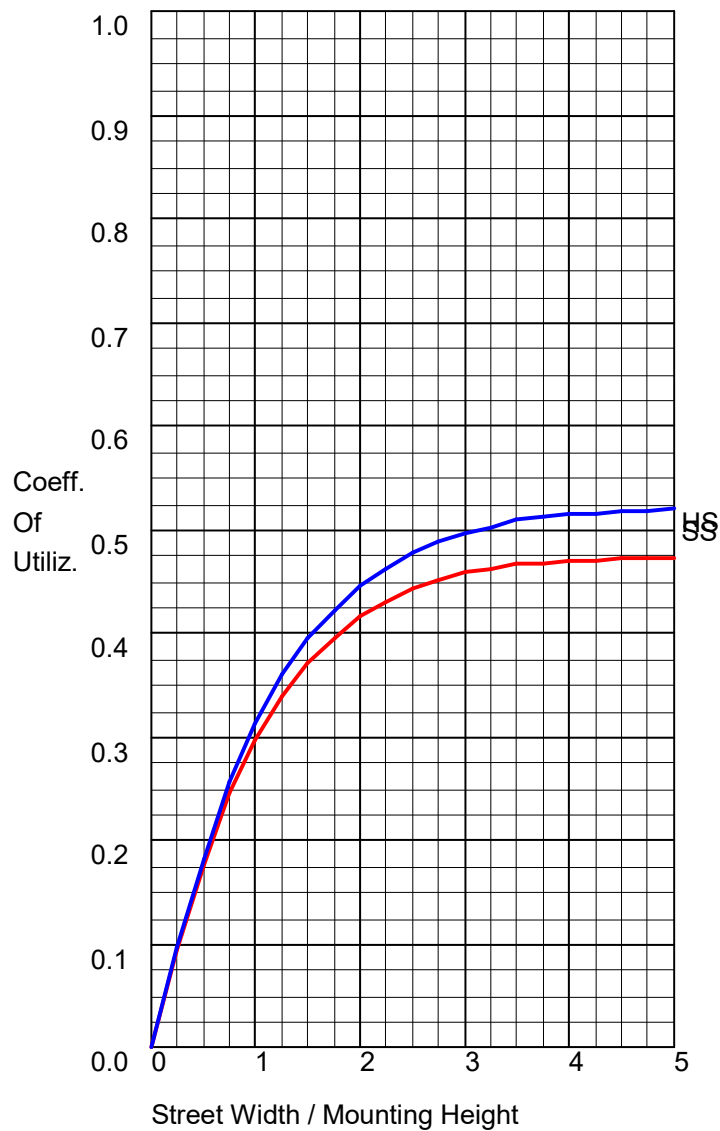
Vert. Angles	Horizontal Angles				
	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	4525	4525	4525	4525	4525
2.5	4536	4530	4524	4518	4512
5.0	4548	4535	4523	4511	4498
7.5	4584	4566	4547	4529	4510
10.0	4620	4596	4571	4547	4523
12.5	4691	4660	4629	4598	4567
15.0	4762	4724	4686	4649	4611
17.5	4852	4804	4757	4710	4663
20.0	4942	4885	4828	4772	4715
22.5	5036	4967	4897	4827	4758
25.0	5131	5049	4966	4883	4800
27.5	5099	5011	4924	4836	4749
30.0	5066	4974	4881	4789	4697
32.5	5160	5057	4953	4850	4747
35.0	5254	5139	5025	4911	4797
37.5	5387	5259	5131	5003	4875
40.0	5520	5378	5237	5095	4953
42.5	5730	5568	5406	5243	5081
45.0	5941	5758	5575	5391	5208
47.5	6059	5845	5632	5418	5205
50.0	6176	5933	5689	5445	5202
52.5	6421	6138	5854	5570	5287
55.0	6666	6343	6019	5695	5371
57.5	6722	6340	5957	5575	5192
60.0	6778	6337	5896	5454	5013
62.5	6348	5897	5445	4994	4542
65.0	5918	5456	4995	4533	4071
67.5	5148	4604	4060	3516	2972
70.0	4379	3752	3125	2498	1872
72.5	3181	2690	2200	1710	1220
75.0	1983	1629	1275	922	568
77.5	1131	932	733	535	336
80.0	279	235	192	148	104
82.5	149	127	105	83	60
85.0	19	19	18	17	16
87.5	10	9	9	9	8
90.0	0	0	0	0	0
92.5	0	0	0	0	0
95.0	0	0	0	0	0

IES ROAD REPORT  
PHOTOMETRIC FILENAME : TEL22-4R-LED-23L-45-IC.IES

CANDELA TABULATION - (Cont.)

97.5	0	0	0	0	0
100.0	0	0	0	0	0
102.5	0	0	0	0	0
105.0	0	0	0	0	0
107.5	0	0	0	0	0
110.0	0	0	0	0	0
112.5	0	0	0	0	0
115.0	0	0	0	0	0
117.5	0	0	0	0	0
120.0	0	0	0	0	0
122.5	0	0	0	0	0
125.0	0	0	0	0	0
127.5	0	0	0	0	0
130.0	0	0	0	0	0
132.5	0	0	0	0	0
135.0	0	0	0	0	0
137.5	0	0	0	0	0
140.0	0	0	0	0	0
142.5	0	0	0	0	0
145.0	0	0	0	0	0
147.5	0	0	0	0	0
150.0	0	0	0	0	0
152.5	0	0	0	0	0
155.0	0	0	0	0	0
157.5	0	0	0	0	0
160.0	0	0	0	0	0
162.5	0	0	0	0	0
165.0	0	0	0	0	0
167.5	0	0	0	0	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	0	0	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

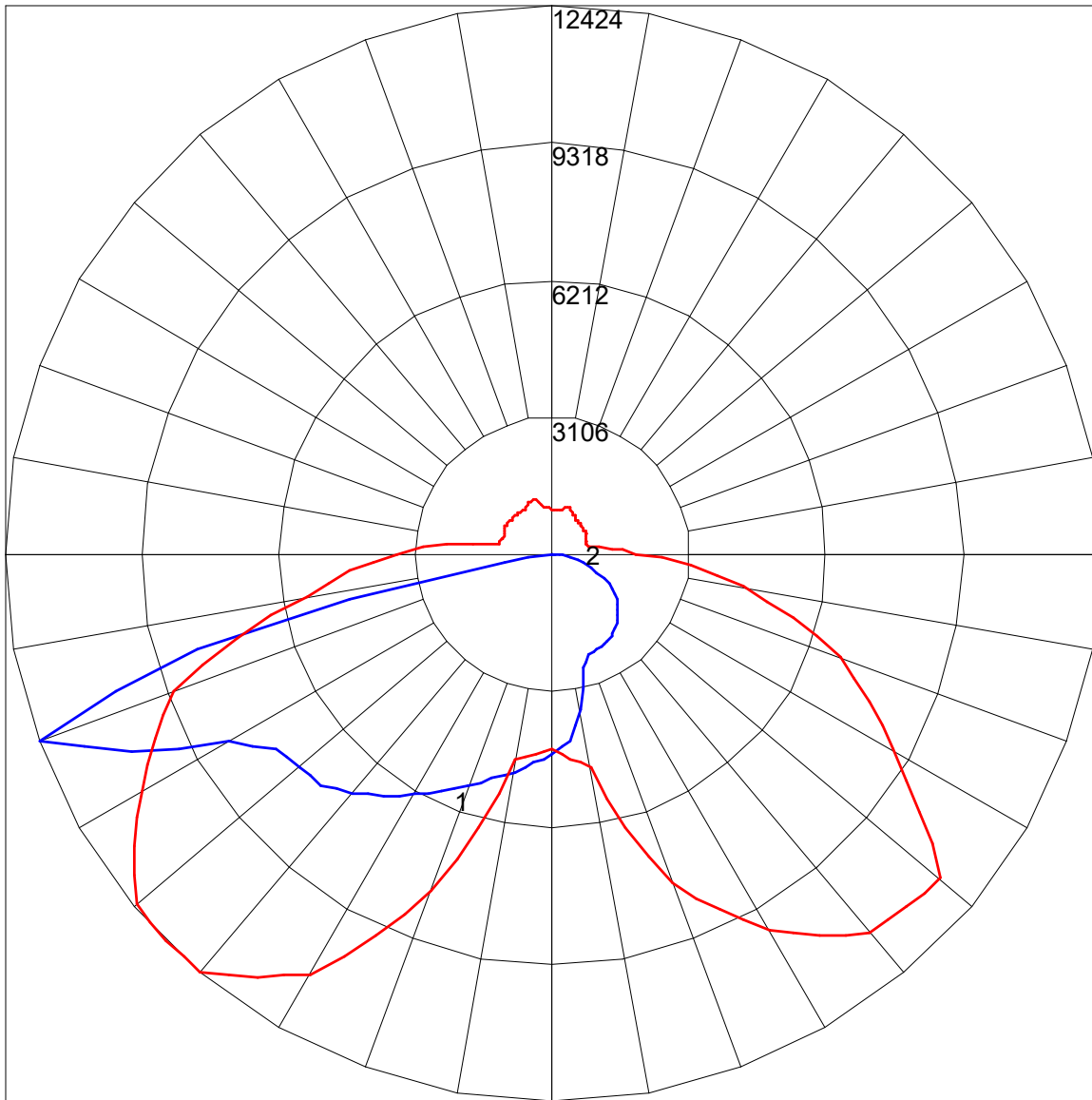


FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	10830.3	47.6
Downward House Side	11942.7	52.4
Downward Total	22773.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	22773.0	100.0

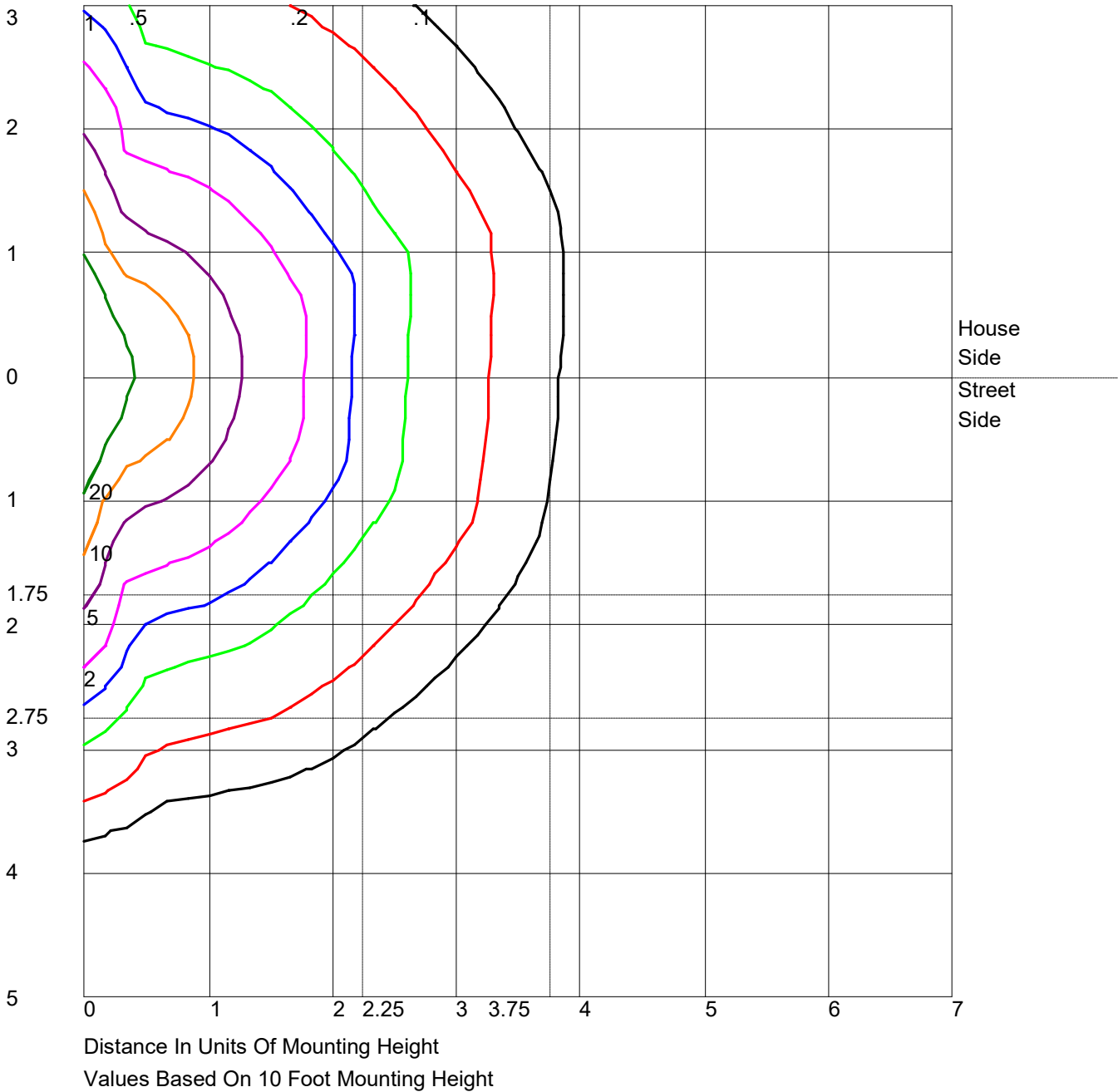


POLAR GRAPH



Maximum Candela = 12424 Located At Horizontal Angle = 230, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (230 - 50) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



# PHOTO IES R

