



IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-45-IC.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB] EVERFINE
[TESTDATE] 2016-10-05
[ISSUEDATE] 11/15/2019
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] TEL22-4R-LED-34L-45-IC
[_SEARCH_ SOURCETYPE] 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	28347
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	307.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	17400
Maximum Candela Angle	220H 70V
Maximum Candela (<90 Degrees Vertical)	17400
Maximum Candela Angle (<90 Degrees Vertical)	220H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2666 (9.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2203.9	N.A.	7.8
FM - Front-Medium (30-60)	6534.5	N.A.	23.1
FH - Front-High (60-80)	4253.7	N.A.	15.0
FVH - Front-Very High (80-90)	85.0	N.A.	0.3
BL - Back-Low (0-30)	2323.2	N.A.	8.2
BM - Back-Medium (30-60)	7495.1	N.A.	26.4
BH - Back-High (60-80)	5324.1	N.A.	18.8
BVH - Back-Very High (80-90)	127.4	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	28346.9	N.A.	100.0
BUG Rating	B5-U0-G5		

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PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-45-IC.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5
0.0	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5641	5635	5628	5621	5614	5608	5601	5595	5588	5582
5.0	5623	5610	5596	5583	5569	5556	5543	5530	5517	5504
7.5	5615	5595	5575	5555	5535	5512	5489	5465	5442	5406
10.0	5607	5580	5554	5528	5501	5468	5434	5400	5367	5309
12.5	5636	5599	5562	5526	5489	5423	5358	5293	5228	5122
15.0	5666	5618	5571	5524	5476	5379	5282	5185	5088	4935
17.5	5713	5645	5577	5509	5441	5291	5141	4992	4842	4658
20.0	5760	5672	5583	5494	5405	5203	5001	4798	4596	4381
22.5	5821	5695	5570	5444	5318	5062	4806	4550	4294	4079
25.0	5882	5719	5557	5394	5231	4921	4612	4302	3992	3778
27.5	5812	5600	5388	5176	4965	4630	4296	3961	3627	3476
30.0	5743	5482	5220	4959	4698	4339	3980	3621	3262	3175
32.5	5802	5467	5133	4798	4463	4108	3754	3399	3044	2992
35.0	5861	5453	5045	4637	4229	3878	3527	3176	2825	2809
37.5	5916	5426	4937	4448	3959	3647	3334	3021	2709	2704
40.0	5970	5400	4830	4259	3689	3415	3141	2867	2593	2598
42.5	6075	5409	4743	4077	3410	3185	2960	2734	2509	2516
45.0	6180	5418	4656	3894	3132	2955	2778	2602	2425	2433
47.5	6212	5377	4542	3707	2872	2736	2599	2463	2327	2340
50.0	6244	5336	4428	3520	2612	2516	2421	2325	2229	2246
52.5	6265	5300	4334	3368	2402	2329	2256	2183	2110	2133
55.0	6287	5263	4239	3215	2192	2142	2091	2041	1991	2020
57.5	5957	4965	3972	2980	1987	1953	1918	1884	1849	1886
60.0	5628	4666	3705	2744	1783	1764	1745	1726	1707	1751
62.5	4896	4079	3263	2446	1630	1606	1583	1559	1535	1580
65.0	4164	3492	2820	2148	1477	1448	1420	1392	1363	1410
67.5	3086	2633	2179	1726	1273	1251	1228	1205	1183	1223
70.0	2008	1773	1539	1304	1070	1053	1036	1019	1002	1035
72.5	1341	1205	1069	933	796	796	795	794	794	819
75.0	675	637	599	561	523	538	554	569	585	603
77.5	413	393	373	353	334	350	366	382	399	415
80.0	150	149	147	146	145	162	179	195	212	227
82.5	87	86	85	84	82	92	102	111	121	129
85.0	24	23	22	21	20	22	25	27	29	32
87.5	12	12	11	11	10	11	12	13	15	16
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

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-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>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	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5575	5568	5561	5554	5546	5538	5530	5521	5511	5501
5.0	5490	5477	5463	5448	5432	5417	5401	5382	5362	5343
7.5	5371	5335	5299	5250	5201	5151	5102	5049	4996	4944
10.0	5251	5193	5135	5052	4969	4886	4803	4717	4631	4544
12.5	5016	4910	4804	4689	4574	4459	4345	4250	4155	4061
15.0	4781	4627	4473	4326	4179	4033	3886	3783	3680	3577
17.5	4473	4289	4105	3966	3827	3689	3550	3487	3423	3360
20.0	4166	3952	3737	3606	3476	3345	3214	3190	3166	3142
22.5	3865	3650	3436	3358	3279	3201	3122	3111	3099	3088
25.0	3563	3349	3135	3109	3083	3056	3030	3031	3032	3033
27.5	3326	3175	3024	3011	2998	2986	2973	2978	2983	2988
30.0	3088	3000	2913	2914	2914	2915	2915	2925	2934	2944
32.5	2940	2889	2837	2844	2850	2857	2863	2876	2888	2900
35.0	2793	2777	2761	2774	2787	2799	2812	2827	2842	2857
37.5	2698	2693	2688	2702	2717	2732	2746	2765	2783	2802
40.0	2603	2609	2614	2631	2647	2664	2681	2703	2725	2747
42.5	2523	2529	2536	2553	2570	2587	2604	2630	2655	2681
45.0	2442	2450	2459	2476	2493	2510	2527	2556	2586	2615
47.5	2352	2365	2377	2399	2420	2442	2463	2486	2508	2530
50.0	2262	2279	2295	2322	2348	2374	2400	2415	2430	2445
52.5	2156	2179	2202	2227	2252	2277	2302	2316	2329	2343
55.0	2050	2079	2109	2133	2157	2181	2205	2217	2228	2240
57.5	1922	1958	1995	2014	2034	2053	2073	2085	2097	2110
60.0	1794	1837	1881	1896	1910	1925	1940	1953	1966	1979
62.5	1625	1670	1715	1726	1736	1747	1758	1769	1780	1791
65.0	1456	1503	1549	1556	1562	1569	1575	1585	1594	1603
67.5	1263	1302	1342	1346	1349	1353	1356	1365	1374	1383
70.0	1069	1102	1135	1136	1136	1137	1137	1145	1154	1162
72.5	845	871	897	900	904	907	910	920	930	939
75.0	622	640	659	665	671	677	684	695	706	717
77.5	432	448	465	472	478	485	492	501	509	518

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-45-IC.IES

CANDELA TABULATION - (Cont.)

80.0	242	257	271	279	286	293	300	307	313	319
82.5	138	147	155	160	165	170	175	178	182	186
85.0	34	37	40	42	44	47	49	50	52	53
87.5	17	18	20	21	22	23	25	25	26	26
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	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5492	5480	5469	5458	5447	5434	5422	5410	5397	5388
5.0	5324	5301	5279	5257	5234	5210	5185	5160	5135	5117
7.5	4891	4842	4794	4745	4696	4654	4611	4569	4526	4499
10.0	4458	4383	4308	4233	4159	4098	4038	3977	3917	3882
12.5	3966	3898	3829	3761	3693	3654	3615	3577	3538	3520
15.0	3474	3412	3351	3289	3227	3210	3193	3176	3159	3158
17.5	3296	3264	3231	3199	3166	3158	3150	3141	3133	3134
20.0	3118	3115	3112	3109	3106	3106	3106	3107	3107	3110
22.5	3076	3076	3077	3077	3078	3081	3084	3087	3091	3096
25.0	3034	3038	3042	3046	3050	3056	3062	3068	3074	3081

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-45-IC.IES

CANDELA TABULATION - (Cont.)

27.5	2993	3002	3011	3020	3029	3037	3045	3053	3060	3067
30.0	2953	2967	2981	2995	3009	3018	3028	3037	3046	3054
32.5	2913	2927	2942	2957	2972	2983	2994	3005	3016	3023
35.0	2872	2888	2903	2919	2934	2947	2960	2972	2985	2992
37.5	2820	2839	2857	2875	2893	2904	2914	2925	2936	2940
40.0	2769	2789	2810	2831	2852	2860	2869	2878	2887	2888
42.5	2707	2726	2745	2764	2783	2788	2792	2797	2802	2803
45.0	2645	2662	2679	2697	2714	2715	2716	2717	2718	2717
47.5	2552	2567	2582	2597	2612	2616	2621	2625	2630	2631
50.0	2460	2472	2485	2498	2510	2518	2526	2534	2541	2544
52.5	2356	2370	2384	2399	2413	2429	2446	2463	2479	2483
55.0	2252	2268	2284	2300	2315	2341	2366	2392	2417	2422
57.5	2122	2142	2161	2181	2200	2225	2249	2274	2298	2296
60.0	1992	2015	2039	2062	2085	2109	2132	2156	2179	2169
62.5	1802	1828	1854	1879	1905	1924	1943	1962	1981	1956
65.0	1613	1641	1668	1696	1724	1739	1754	1769	1784	1743
67.5	1392	1414	1437	1460	1483	1501	1519	1537	1555	1521
70.0	1170	1188	1206	1224	1242	1263	1284	1305	1326	1298
72.5	949	965	982	998	1014	1030	1046	1062	1078	1058
75.0	728	742	757	772	787	797	808	819	830	817
77.5	527	536	546	556	566	572	578	583	589	582
80.0	326	331	336	341	346	346	347	347	348	347
82.5	190	193	195	198	201	201	201	201	201	201
85.0	54	55	55	55	56	56	55	55	55	55
87.5	27	27	28	28	28	28	28	28	27	28
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-34L-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									
	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
0.0	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5379	5370	5360	5362	5363	5364	5365	5370	5375	5379
5.0	5098	5080	5062	5064	5066	5068	5070	5080	5090	5099
7.5	4472	4446	4419	4417	4415	4414	4412	4425	4438	4452
10.0	3847	3812	3776	3771	3765	3759	3753	3770	3787	3804
12.5	3502	3483	3465	3466	3468	3469	3471	3480	3489	3498
15.0	3156	3155	3153	3162	3171	3180	3188	3190	3191	3193
17.5	3135	3136	3137	3146	3156	3165	3175	3176	3178	3179
20.0	3114	3117	3120	3131	3141	3151	3162	3163	3164	3165
22.5	3100	3105	3110	3122	3134	3146	3158	3158	3158	3158
25.0	3087	3094	3100	3114	3127	3141	3154	3153	3152	3150
27.5	3074	3081	3088	3101	3113	3126	3139	3140	3141	3142
30.0	3061	3068	3076	3088	3100	3112	3124	3127	3130	3134
32.5	3030	3038	3045	3057	3069	3081	3093	3097	3102	3107
35.0	2999	3007	3014	3026	3038	3050	3062	3068	3074	3080
37.5	2944	2949	2953	2964	2974	2985	2995	3003	3012	3020
40.0	2889	2891	2892	2901	2910	2919	2928	2939	2950	2961
42.5	2803	2804	2804	2812	2821	2829	2837	2850	2862	2874
45.0	2717	2716	2716	2723	2731	2739	2747	2760	2774	2787
47.5	2632	2633	2634	2642	2649	2657	2665	2680	2694	2709
50.0	2547	2550	2552	2560	2568	2576	2583	2599	2615	2631
52.5	2487	2491	2495	2500	2506	2511	2516	2540	2563	2586
55.0	2427	2432	2437	2440	2443	2446	2449	2480	2511	2541
57.5	2293	2291	2289	2287	2285	2283	2281	2321	2360	2399
60.0	2160	2150	2140	2134	2127	2120	2114	2162	2209	2257
62.5	1931	1906	1881	1879	1876	1874	1872	1918	1964	2011
65.0	1703	1662	1622	1624	1626	1627	1629	1674	1719	1764
67.5	1487	1453	1419	1421	1422	1424	1426	1463	1501	1539
70.0	1271	1243	1216	1217	1219	1220	1222	1252	1283	1313
72.5	1038	1018	998	1000	1002	1004	1006	1033	1060	1087
75.0	805	793	780	782	785	787	789	813	837	861
77.5	575	569	562	564	566	568	570	587	605	622
80.0	346	345	344	345	347	348	350	361	373	384
82.5	201	200	200	202	203	205	206	213	219	225
85.0	56	56	56	58	60	61	63	64	65	66
87.5	28	28	28	29	30	31	31	32	33	33
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-34L-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. Horizontal Angles
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	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5384	5392	5401	5409	5417	5428	5439	5450	5460	5472
5.0	5109	5125	5142	5158	5175	5196	5218	5240	5261	5285
7.5	4465	4492	4518	4545	4572	4613	4654	4696	4737	4790
10.0	3821	3858	3895	3932	3969	4030	4090	4151	4212	4296
12.5	3508	3529	3550	3570	3591	3634	3676	3718	3761	3837
15.0	3194	3199	3204	3209	3214	3238	3261	3285	3309	3378
17.5	3180	3184	3188	3192	3196	3212	3227	3243	3258	3298
20.0	3166	3169	3172	3175	3178	3185	3193	3201	3208	3217
22.5	3157	3161	3165	3168	3172	3180	3187	3195	3203	3212
25.0	3149	3153	3157	3161	3166	3174	3182	3190	3198	3206
27.5	3143	3149	3154	3160	3166	3174	3182	3190	3197	3202
30.0	3137	3144	3152	3159	3166	3174	3182	3189	3197	3198
32.5	3112	3120	3129	3137	3145	3153	3160	3167	3174	3175
35.0	3086	3096	3106	3115	3125	3131	3138	3144	3151	3153
37.5	3029	3043	3056	3070	3084	3092	3099	3107	3115	3115
40.0	2972	2989	3007	3025	3043	3052	3061	3070	3079	3078
42.5	2886	2907	2927	2947	2968	2981	2994	3007	3020	3020
45.0	2801	2824	2847	2870	2893	2910	2927	2944	2961	2963
47.5	2724	2746	2767	2789	2811	2826	2842	2857	2872	2877
50.0	2647	2668	2688	2709	2729	2743	2756	2770	2784	2791
52.5	2610	2627	2645	2663	2681	2683	2684	2686	2687	2695
55.0	2572	2587	2602	2618	2633	2622	2612	2602	2591	2599
57.5	2438	2463	2487	2511	2535	2518	2501	2483	2466	2473
60.0	2305	2338	2371	2405	2438	2414	2389	2365	2341	2346

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-45-IC.IES

CANDELA TABULATION - (Cont.)

62.5	2057	2107	2157	2208	2258	2232	2206	2180	2155	2156
65.0	1809	1876	1943	2010	2077	2050	2023	1996	1969	1965
67.5	1576	1642	1708	1773	1839	1811	1782	1754	1726	1722
70.0	1344	1408	1472	1536	1600	1571	1542	1513	1484	1478
72.5	1114	1163	1211	1260	1308	1287	1267	1246	1225	1220
75.0	884	918	951	984	1017	1004	991	978	965	962
77.5	640	661	682	703	725	721	718	715	711	709
80.0	395	405	414	423	432	439	445	451	457	456
82.5	231	238	244	250	257	260	264	267	271	271
85.0	67	71	74	77	81	82	83	84	85	86
87.5	34	35	37	39	40	41	41	42	42	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
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

	<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	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5484	5495	5507	5519	5530	5542	5553	5562	5571	5579
5.0	5308	5331	5355	5378	5401	5424	5447	5464	5482	5499
7.5	4844	4898	4952	5012	5072	5133	5193	5246	5299	5352

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-45-IC.IES

CANDELA TABULATION - (Cont.)

10.0	4380	4464	4548	4646	4744	4842	4940	5028	5116	5204
12.5	3914	3991	4068	4181	4295	4408	4522	4651	4781	4910
15.0	3448	3518	3587	3716	3846	3975	4104	4275	4445	4616
17.5	3337	3377	3416	3503	3589	3676	3762	3934	4106	4278
20.0	3227	3236	3245	3289	3333	3376	3420	3593	3766	3939
22.5	3220	3229	3237	3263	3288	3314	3339	3456	3573	3691
25.0	3214	3222	3230	3237	3244	3251	3258	3319	3381	3442
27.5	3206	3210	3215	3220	3225	3230	3235	3269	3304	3339
30.0	3198	3199	3199	3202	3205	3208	3211	3219	3227	3235
32.5	3177	3178	3180	3181	3182	3184	3185	3188	3191	3195
35.0	3156	3158	3161	3160	3160	3159	3158	3157	3156	3154
37.5	3116	3116	3117	3117	3117	3117	3117	3112	3107	3102
40.0	3076	3074	3072	3073	3074	3075	3076	3068	3059	3051
42.5	3021	3021	3021	3018	3014	3010	3006	2997	2988	2979
45.0	2966	2968	2970	2962	2953	2944	2935	2926	2917	2908
47.5	2882	2886	2891	2883	2874	2866	2858	2847	2837	2826
50.0	2798	2805	2812	2804	2796	2788	2780	2768	2756	2744
52.5	2702	2709	2716	2710	2704	2698	2692	2682	2673	2663
55.0	2606	2613	2621	2617	2613	2608	2604	2597	2589	2582
57.5	2479	2486	2492	2486	2480	2474	2468	2457	2447	2436
60.0	2352	2358	2364	2356	2348	2340	2332	2318	2304	2290
62.5	2157	2158	2159	2157	2154	2152	2150	2142	2135	2127
65.0	1961	1958	1954	1958	1961	1965	1968	1967	1966	1965
67.5	1717	1712	1707	1711	1714	1718	1722	1728	1734	1741
70.0	1472	1466	1460	1464	1468	1471	1475	1489	1503	1517
72.5	1215	1210	1205	1206	1207	1208	1209	1220	1232	1243
75.0	958	954	950	948	946	944	942	952	961	970
77.5	706	704	702	701	700	699	698	704	709	715
80.0	455	454	453	453	453	454	454	456	458	460
82.5	271	271	271	273	275	276	278	279	280	282
85.0	87	89	90	93	96	99	102	103	103	104
87.5	44	44	45	46	48	49	51	51	52	52
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-34L-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	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5588	5596	5603	5610	5618	5625	5632	5640	5647	5654
5.0	5517	5532	5547	5562	5576	5591	5606	5620	5635	5649
7.5	5405	5442	5480	5517	5555	5581	5607	5634	5660	5683
10.0	5293	5353	5413	5473	5533	5571	5609	5647	5685	5717
12.5	5040	5149	5259	5368	5477	5542	5607	5672	5737	5778
15.0	4787	4946	5104	5263	5422	5513	5605	5696	5788	5840
17.5	4449	4655	4861	5067	5273	5412	5552	5691	5831	5898
20.0	4112	4365	4618	4871	5124	5311	5499	5686	5874	5956
22.5	3808	4076	4344	4612	4881	5132	5383	5635	5886	5993
25.0	3504	3787	4071	4354	4637	4953	5268	5583	5898	6030
27.5	3374	3619	3864	4109	4354	4730	5105	5480	5855	6025
30.0	3243	3450	3657	3864	4071	4506	4941	5376	5812	6020
32.5	3198	3347	3496	3645	3794	4270	4745	5221	5697	5971
35.0	3153	3244	3335	3425	3516	4033	4550	5066	5583	5921
37.5	3097	3153	3209	3265	3321	3843	4364	4885	5407	5832
40.0	3042	3063	3084	3105	3126	3652	4179	4705	5231	5743
42.5	2970	2984	2997	3010	3024	3535	4047	4559	5071	5692
45.0	2899	2904	2910	2915	2921	3418	3916	4413	4911	5641
47.5	2815	2819	2824	2828	2832	3319	3806	4293	4780	5648
50.0	2732	2735	2737	2740	2742	3219	3696	4173	4650	5654
52.5	2653	2648	2642	2636	2631	3071	3512	3953	4393	5507
55.0	2574	2560	2547	2533	2519	2923	3328	3732	4137	5359
57.5	2425	2412	2399	2386	2372	2716	3060	3403	3747	5019
60.0	2276	2264	2251	2238	2226	2509	2792	3074	3357	4679
62.5	2120	2103	2087	2070	2054	2243	2433	2623	2813	4092
65.0	1963	1943	1922	1902	1881	1978	2075	2172	2268	3505
67.5	1747	1725	1702	1680	1657	1715	1773	1830	1888	2951
70.0	1531	1506	1482	1457	1433	1452	1470	1489	1508	2397
72.5	1255	1232	1209	1186	1163	1169	1175	1180	1186	1789
75.0	979	958	936	914	892	886	879	872	865	1182
77.5	720	707	693	680	666	645	624	603	582	750
80.0	461	456	451	445	440	405	370	335	300	318
82.5	283	280	278	275	272	250	228	206	184	191
85.0	105	105	105	104	104	95	86	77	67	64
87.5	52	52	52	52	52	48	43	38	34	32
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-34L-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	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5662	5669	5676	5684	5691	5699	5707	5714	5722	5730
5.0	5664	5678	5693	5708	5723	5739	5754	5769	5785	5800
7.5	5706	5729	5751	5773	5795	5816	5838	5857	5877	5896
10.0	5748	5779	5810	5838	5866	5894	5922	5945	5969	5993
12.5	5820	5861	5903	5939	5976	6012	6049	6080	6112	6143
15.0	5892	5943	5995	6040	6085	6130	6176	6215	6254	6294
17.5	5965	6033	6100	6154	6208	6262	6317	6367	6416	6466
20.0	6039	6122	6205	6268	6331	6394	6458	6518	6579	6639
22.5	6100	6208	6315	6387	6460	6533	6605	6677	6748	6819
25.0	6162	6293	6425	6507	6589	6671	6753	6835	6917	6999
27.5	6195	6366	6536	6629	6722	6815	6908	6992	7076	7160
30.0	6229	6438	6647	6751	6855	6959	7063	7149	7235	7321
32.5	6244	6518	6792	6908	7024	7141	7257	7330	7403	7476
35.0	6259	6598	6936	7065	7194	7323	7452	7512	7572	7631
37.5	6258	6683	7109	7255	7402	7548	7695	7757	7818	7879
40.0	6256	6768	7281	7445	7609	7774	7938	8001	8064	8127
42.5	6314	6936	7557	7746	7936	8125	8314	8385	8457	8528

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-45-IC.IES

CANDELA TABULATION - (Cont.)

45.0	6372	7103	7834	8048	8262	8476	8690	8769	8849	8929
47.5	6515	7382	8250	8526	8802	9079	9355	9432	9508	9585
50.0	6658	7662	8666	9004	9343	9682	10020	10094	10167	10241
52.5	6620	7733	8847	9244	9641	10039	10436	10549	10661	10774
55.0	6582	7805	9027	9484	9940	10396	10852	11004	11155	11307
57.5	6292	7564	8836	9368	9900	10432	10964	11197	11429	11661
60.0	6001	7324	8646	9253	9861	10469	11077	11390	11703	12016
62.5	5371	6651	7930	8597	9264	9932	10599	11063	11527	11991
65.0	4741	5978	7214	7941	8668	9394	10121	10736	11352	11967
67.5	4014	5077	6140	6879	7618	8358	9097	9794	10490	11187
70.0	3286	4175	5065	5817	6569	7321	8074	8851	9629	10407
72.5	2392	2995	3598	4296	4994	5691	6389	7114	7839	8564
75.0	1499	1815	2132	2775	3418	4062	4705	5377	6048	6720
77.5	917	1085	1252	1676	2099	2523	2946	3362	3777	4193
80.0	336	354	373	576	780	984	1187	1347	1506	1665
82.5	199	206	214	322	429	536	644	724	804	884
85.0	62	59	56	67	78	89	100	101	102	103
87.5	31	29	28	33	39	44	50	50	51	51
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-34L-45-IC.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5737	5744	5752	5759	5766	5772	5778	5784	5790	5796
5.0	5815	5830	5844	5858	5873	5885	5897	5909	5921	5932
7.5	5916	5934	5952	5970	5987	6005	6023	6042	6060	6077
10.0	6016	6038	6059	6081	6102	6126	6150	6174	6198	6223
12.5	6175	6202	6229	6257	6284	6308	6332	6356	6380	6402
15.0	6333	6366	6399	6432	6465	6490	6514	6538	6562	6581
17.5	6516	6556	6596	6636	6676	6702	6728	6753	6779	6795
20.0	6699	6746	6793	6839	6886	6914	6941	6969	6997	7009
22.5	6890	6940	6991	7042	7092	7117	7142	7167	7191	7200
25.0	7080	7135	7189	7244	7298	7320	7342	7364	7386	7391
27.5	7244	7289	7335	7381	7427	7449	7471	7494	7516	7535
30.0	7407	7444	7481	7518	7555	7578	7600	7623	7646	7679
32.5	7549	7585	7622	7658	7695	7729	7763	7797	7831	7875
35.0	7691	7727	7763	7798	7834	7880	7925	7971	8016	8071
37.5	7941	7981	8021	8061	8100	8146	8192	8237	8283	8345
40.0	8191	8235	8279	8323	8366	8412	8458	8504	8550	8620
42.5	8600	8635	8670	8706	8741	8774	8807	8841	8874	8922
45.0	9009	9035	9062	9089	9115	9136	9157	9177	9198	9224
47.5	9661	9642	9624	9605	9586	9561	9536	9511	9485	9504
50.0	10314	10250	10185	10121	10057	9986	9915	9844	9773	9784
52.5	10886	10832	10777	10722	10667	10545	10423	10301	10179	10188
55.0	11459	11413	11368	11323	11278	11105	10932	10759	10585	10592
57.5	11894	11905	11916	11927	11938	11780	11622	11464	11306	11339
60.0	12329	12396	12463	12531	12598	12455	12312	12169	12026	12086
62.5	12456	12670	12884	13099	13313	13344	13374	13404	13434	13460
65.0	12583	12944	13306	13667	14028	14232	14436	14639	14843	14834
67.5	11884	12398	12912	13426	13940	14486	15031	15576	16122	15731
70.0	11185	11852	12519	13186	13852	14740	15626	16514	17400	16628
72.5	9288	10012	10736	11460	12184	12648	13113	13578	14043	13379
75.0	7392	8173	8954	9734	10515	10557	10600	10642	10685	10130
77.5	4608	5104	5599	6095	6590	6437	6284	6130	5977	5670
80.0	1824	2035	2245	2455	2666	2316	1967	1618	1269	1210
82.5	964	1069	1173	1278	1382	1204	1026	847	669	637
85.0	104	103	101	100	99	92	84	77	70	64
87.5	52	51	51	50	50	46	42	39	35	32
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

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-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	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5801	5806	5811	5815	5818	5821	5824	5825	5825	5826
5.0	5942	5953	5963	5970	5976	5982	5989	5990	5991	5993
7.5	6095	6113	6130	6144	6157	6170	6184	6191	6199	6207
10.0	6247	6272	6297	6317	6338	6358	6378	6393	6407	6421
12.5	6424	6446	6468	6493	6518	6542	6567	6586	6604	6623
15.0	6601	6620	6640	6669	6698	6727	6756	6778	6801	6824
17.5	6811	6827	6842	6863	6884	6905	6926	6946	6966	6986
20.0	7021	7033	7045	7058	7071	7083	7096	7113	7130	7148
22.5	7208	7216	7225	7227	7230	7232	7234	7242	7251	7259
25.0	7395	7400	7404	7396	7388	7381	7373	7372	7371	7369
27.5	7554	7572	7591	7594	7596	7598	7601	7593	7585	7578
30.0	7712	7745	7778	7791	7803	7816	7828	7814	7800	7786
32.5	7919	7963	8007	8034	8061	8089	8116	8107	8099	8090
35.0	8126	8180	8235	8277	8319	8361	8404	8400	8397	8394
37.5	8408	8471	8533	8581	8629	8677	8725	8730	8736	8741
40.0	8690	8761	8831	8885	8939	8993	9047	9061	9074	9088
42.5	8970	9018	9066	9121	9176	9231	9286	9312	9337	9362
45.0	9250	9276	9302	9358	9414	9470	9526	9563	9600	9637
47.5	9523	9541	9560	9625	9691	9756	9822	9868	9915	9961
50.0	9796	9807	9818	9893	9968	10043	10117	10173	10230	10286
52.5	10197	10206	10214	10334	10454	10574	10694	10779	10863	10947
55.0	10598	10604	10611	10776	10941	11106	11271	11384	11496	11608
57.5	11373	11406	11440	11618	11796	11974	12152	12223	12294	12365
60.0	12147	12208	12268	12460	12651	12842	13034	13063	13093	13122
62.5	13486	13512	13538	13495	13451	13408	13365	13165	12964	12764
65.0	14825	14816	14807	14529	14252	13974	13697	13267	12836	12406
67.5	15340	14949	14558	13994	13429	12865	12301	11769	11237	10705
70.0	15855	15082	14309	13458	12607	11756	10906	10271	9637	9003
72.5	12715	12051	11388	10477	9566	8655	7744	7187	6630	6072
75.0	9576	9021	8466	7495	6524	5553	4582	4102	3622	3142
77.5	5363	5056	4750	4262	3773	3285	2797	2514	2231	1947

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-45-IC.IES

CANDELA TABULATION - (Cont.)

80.0	1151	1092	1033	1028	1023	1017	1012	926	839	753
82.5	605	572	540	538	536	534	532	487	441	396
85.0	58	53	47	48	50	51	53	48	43	39
87.5	29	26	23	24	25	26	26	24	22	19
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	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5827	5826	5826	5825	5825	5829	5834	5838	5842	5841
5.0	5994	5993	5992	5991	5990	5999	6008	6017	6025	6024
7.5	6215	6217	6220	6222	6224	6234	6243	6253	6263	6258
10.0	6436	6441	6447	6452	6458	6468	6479	6489	6500	6493
12.5	6641	6654	6667	6680	6692	6704	6715	6726	6737	6726
15.0	6847	6867	6887	6907	6927	6939	6951	6963	6975	6958
17.5	7006	7022	7038	7054	7070	7081	7092	7104	7115	7096
20.0	7165	7177	7189	7201	7212	7223	7234	7244	7255	7233
22.5	7267	7272	7278	7284	7290	7301	7312	7323	7334	7311
25.0	7368	7368	7368	7367	7367	7379	7390	7402	7414	7390

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-45-IC.IES

CANDELA TABULATION - (Cont.)

27.5	7570	7567	7565	7562	7560	7570	7581	7592	7603	7575
30.0	7772	7767	7762	7757	7752	7762	7772	7782	7792	7761
32.5	8081	8075	8069	8063	8057	8063	8069	8075	8082	8051
35.0	8391	8383	8376	8368	8361	8364	8366	8369	8371	8342
37.5	8746	8736	8725	8714	8704	8705	8705	8706	8706	8674
40.0	9102	9088	9074	9061	9047	9046	9044	9043	9041	9006
42.5	9388	9391	9394	9397	9401	9408	9416	9423	9430	9374
45.0	9674	9694	9714	9734	9754	9770	9787	9803	9819	9743
47.5	10008	10059	10110	10161	10212	10244	10276	10308	10340	10251
50.0	10342	10424	10506	10589	10671	10718	10766	10813	10860	10759
52.5	11031	11107	11183	11260	11336	11378	11421	11463	11506	11422
55.0	11721	11791	11861	11930	12000	12038	12076	12114	12152	12085
57.5	12436	12466	12495	12525	12554	12575	12596	12617	12638	12603
60.0	13152	13141	13130	13119	13108	13112	13116	13120	13124	13120
62.5	12564	12445	12326	12207	12088	12046	12005	11963	11921	11974
65.0	11976	11749	11522	11295	11067	10980	10893	10806	10719	10827
67.5	10172	9742	9312	8882	8452	8343	8233	8123	8014	8159
70.0	8369	7736	7103	6470	5837	5705	5573	5440	5308	5490
72.5	5515	5103	4691	4279	3867	3772	3676	3581	3486	3600
75.0	2662	2470	2279	2088	1897	1838	1780	1722	1664	1709
77.5	1664	1537	1411	1284	1157	1123	1089	1054	1020	1045
80.0	667	604	542	480	418	407	397	386	376	382
82.5	350	319	287	256	224	219	213	208	202	205
85.0	34	33	32	32	31	30	29	29	28	28
87.5	17	17	16	16	15	15	15	14	14	14
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-34L-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	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5841	5840	5839	5836	5833	5830	5827	5823	5819	5815
5.0	6022	6020	6018	6012	6006	6001	5995	5987	5979	5970
7.5	6254	6249	6244	6233	6221	6209	6197	6179	6161	6143
10.0	6486	6478	6471	6453	6435	6417	6399	6371	6343	6316
12.5	6714	6702	6690	6661	6632	6602	6573	6537	6501	6465
15.0	6942	6925	6909	6868	6828	6788	6748	6703	6659	6614
17.5	7076	7057	7037	6998	6959	6920	6881	6836	6792	6747
20.0	7210	7188	7166	7128	7089	7051	7013	6969	6925	6880
22.5	7288	7265	7242	7206	7170	7134	7098	7058	7019	6979
25.0	7365	7341	7317	7284	7250	7217	7183	7148	7113	7078
27.5	7547	7520	7492	7455	7418	7382	7345	7308	7272	7236
30.0	7729	7698	7667	7626	7586	7546	7506	7469	7431	7394
32.5	8021	7991	7961	7913	7866	7819	7772	7721	7671	7620
35.0	8313	8284	8255	8200	8146	8092	8037	7974	7910	7846
37.5	8641	8609	8576	8521	8466	8411	8356	8285	8214	8143
40.0	8970	8934	8898	8842	8787	8731	8675	8596	8518	8439
42.5	9319	9263	9207	9130	9053	8976	8899	8765	8632	8499
45.0	9667	9591	9515	9417	9319	9221	9122	8934	8746	8558
47.5	10163	10074	9985	9867	9748	9629	9511	9281	9051	8822
50.0	10658	10557	10456	10316	10177	10038	9899	9628	9357	9086
52.5	11338	11255	11171	10974	10777	10580	10383	10107	9830	9554
55.0	12019	11952	11886	11631	11376	11122	10867	10586	10304	10023
57.5	12568	12532	12497	12231	11965	11698	11432	11222	11012	10802
60.0	13116	13113	13109	12831	12553	12275	11997	11859	11720	11582
62.5	12026	12078	12130	12018	11907	11795	11683	11741	11800	11858
65.0	10935	11043	11152	11206	11260	11314	11368	11624	11879	12135
67.5	8304	8449	8594	8921	9248	9575	9902	10211	10520	10830
70.0	5672	5855	6037	6636	7236	7835	8435	8798	9162	9525
72.5	3714	3827	3941	4323	4704	5085	5467	5936	6405	6875
75.0	1755	1800	1846	2009	2172	2335	2498	3074	3649	4225
77.5	1071	1097	1123	1227	1331	1435	1539	1857	2175	2493
80.0	388	394	399	445	490	535	580	641	701	761
82.5	208	210	213	236	258	281	304	334	365	396
85.0	28	27	27	27	27	27	27	28	29	30
87.5	14	14	13	13	14	14	14	14	15	15
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-34L-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. Horizontal Angles
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	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5811	5805	5800	5794	5788	5782	5775	5769	5762	5755
5.0	5962	5951	5940	5928	5917	5904	5891	5878	5865	5850
7.5	6125	6104	6083	6062	6041	6018	5995	5972	5949	5927
10.0	6288	6257	6226	6196	6165	6132	6099	6066	6033	6004
12.5	6429	6392	6356	6320	6284	6252	6221	6189	6158	6125
15.0	6569	6528	6486	6444	6403	6373	6343	6313	6282	6246
17.5	6703	6665	6628	6591	6554	6521	6488	6454	6421	6385
20.0	6836	6803	6771	6738	6706	6669	6633	6596	6560	6523
22.5	6939	6910	6880	6850	6821	6794	6767	6740	6714	6675
25.0	7042	7016	6989	6963	6936	6919	6902	6885	6867	6826
27.5	7199	7163	7126	7090	7053	7029	7005	6981	6957	6886
30.0	7356	7310	7263	7217	7170	7139	7108	7077	7046	6947
32.5	7570	7515	7460	7405	7350	7263	7176	7090	7003	6936
35.0	7783	7719	7656	7592	7529	7387	7245	7103	6961	6926
37.5	8072	7949	7826	7703	7581	7479	7378	7277	7176	7140
40.0	8361	8179	7997	7815	7632	7572	7512	7451	7391	7354
42.5	8365	8237	8108	7980	7852	7806	7761	7715	7670	7644
45.0	8369	8295	8220	8146	8071	8041	8010	7980	7949	7933
47.5	8592	8512	8432	8351	8271	8254	8238	8221	8204	8246
50.0	8815	8729	8643	8557	8471	8468	8465	8462	8459	8559
52.5	9278	9145	9012	8879	8746	8754	8763	8772	8780	8884
55.0	9741	9561	9381	9200	9020	9041	9061	9081	9102	9208
57.5	10592	10324	10055	9786	9517	9553	9589	9625	9660	9743
60.0	11444	11086	10729	10372	10014	10065	10117	10168	10219	10278

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-45-IC.IES

CANDELA TABULATION - (Cont.)

62.5	11917	11757	11596	11436	11276	11251	11226	11201	11176	10976
65.0	12390	12427	12464	12501	12538	12436	12335	12234	12133	11674
67.5	11139	11483	11828	12172	12516	12535	12554	12572	12591	11892
70.0	9888	10540	11191	11843	12494	12633	12772	12910	13049	12110
72.5	7344	7970	8596	9222	9848	10140	10431	10723	11014	10274
75.0	4800	5401	6001	6601	7202	7646	8091	8535	8980	8439
77.5	2811	3100	3389	3678	3967	4301	4635	4968	5302	5031
80.0	821	799	777	755	733	956	1179	1402	1624	1624
82.5	426	416	406	396	386	497	609	721	832	832
85.0	31	33	35	37	38	39	39	40	40	40
87.5	16	16	17	18	19	19	20	20	20	20
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	5659	5659	5659	5659	5659	5659	5659	5659	5659	5659
2.5	5747	5740	5732	5724	5716	5708	5700	5693	5685	5678
5.0	5835	5820	5805	5789	5773	5757	5741	5726	5711	5696
7.5	5905	5883	5860	5840	5819	5798	5777	5757	5737	5717

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-4R-LED-34L-45-IC.IES

CANDELA TABULATION - (Cont.)

10.0	5974	5945	5916	5890	5865	5839	5814	5789	5763	5738
12.5	6092	6059	6027	5994	5962	5929	5897	5865	5833	5802
15.0	6210	6174	6138	6098	6059	6019	5980	5942	5903	5865
17.5	6348	6312	6276	6231	6186	6141	6096	6050	6003	5957
20.0	6487	6450	6414	6363	6313	6262	6212	6157	6103	6049
22.5	6636	6597	6558	6505	6451	6398	6344	6283	6221	6159
25.0	6785	6743	6702	6646	6590	6533	6477	6408	6339	6269
27.5	6816	6746	6676	6620	6565	6510	6455	6380	6305	6230
30.0	6847	6748	6649	6595	6541	6486	6432	6351	6271	6190
32.5	6870	6803	6736	6692	6647	6603	6559	6481	6402	6324
35.0	6892	6857	6823	6788	6754	6720	6686	6610	6534	6458
37.5	7104	7069	7033	6992	6951	6910	6869	6793	6718	6642
40.0	7317	7280	7244	7196	7148	7100	7052	6977	6901	6826
42.5	7617	7591	7565	7523	7482	7440	7399	7314	7229	7144
45.0	7917	7901	7885	7850	7815	7780	7745	7651	7557	7463
47.5	8288	8330	8372	8302	8232	8162	8091	7976	7862	7747
50.0	8659	8759	8859	8754	8648	8543	8437	8302	8166	8031
52.5	8987	9091	9194	9111	9029	8946	8863	8694	8525	8356
55.0	9315	9422	9529	9469	9409	9349	9289	9086	8884	8682
57.5	9826	9908	9991	9867	9743	9619	9495	9225	8955	8684
60.0	10336	10395	10453	10265	10078	9890	9702	9364	9025	8687
62.5	10776	10576	10376	10090	9803	9517	9231	8837	8443	8048
65.0	11216	10757	10298	9914	9529	9144	8760	8310	7860	7410
67.5	11193	10494	9795	9340	8885	8430	7975	7482	6988	6494
70.0	11170	10231	9292	8767	8241	7716	7191	6653	6116	5579
72.5	9534	8794	8054	7520	6985	6451	5917	5357	4797	4237
75.0	7898	7357	6816	6273	5729	5186	4642	4060	3477	2895
77.5	4761	4490	4219	3865	3510	3155	2800	2431	2062	1693
80.0	1624	1623	1623	1456	1290	1124	958	802	646	491
82.5	832	831	831	747	664	580	496	418	339	260
85.0	39	39	39	38	37	36	35	33	31	30
87.5	20	20	19	19	18	18	17	17	16	15
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-34L-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. Horizontal Angles
Angles

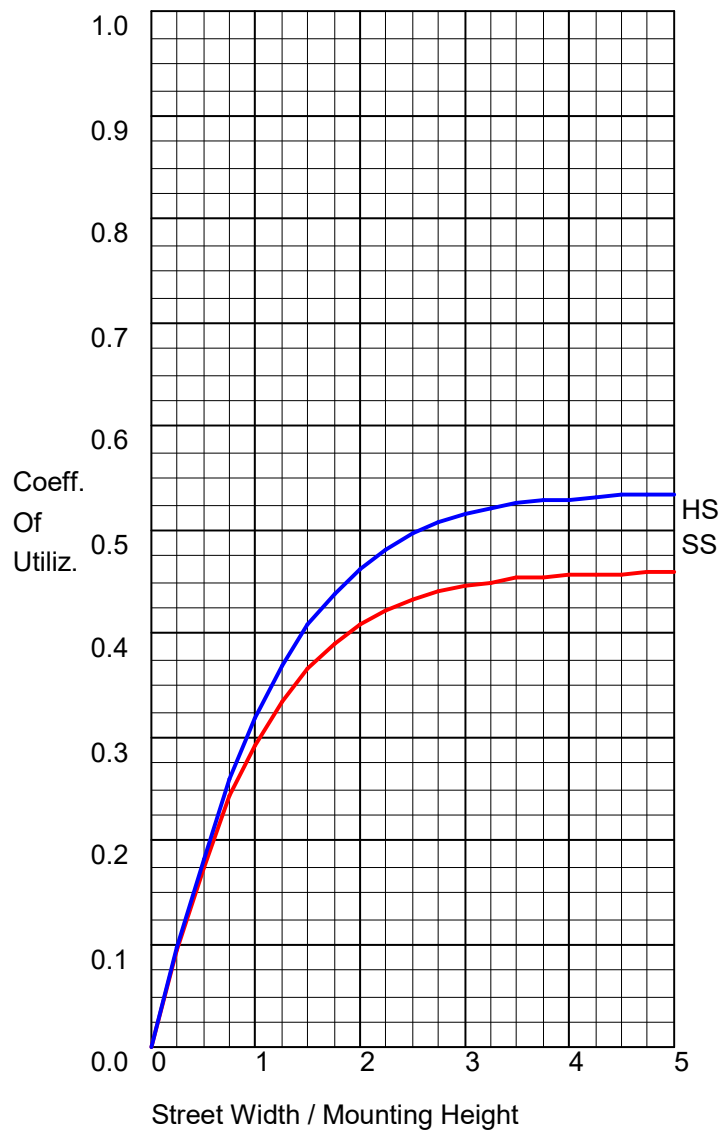
	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	5659	5659	5659	5659	5659
2.5	5670	5663	5656	5649	5641
5.0	5681	5667	5652	5638	5623
7.5	5697	5677	5656	5636	5615
10.0	5713	5687	5660	5633	5607
12.5	5770	5736	5703	5670	5636
15.0	5827	5786	5746	5706	5666
17.5	5911	5861	5812	5762	5713
20.0	5995	5936	5878	5819	5760
22.5	6097	6028	5959	5890	5821
25.0	6200	6121	6041	5962	5882
27.5	6155	6069	5984	5898	5812
30.0	6109	6018	5926	5834	5743
32.5	6246	6135	6024	5913	5802
35.0	6382	6252	6122	5991	5861
37.5	6566	6403	6241	6078	5916
40.0	6751	6555	6360	6165	5970
42.5	7060	6813	6567	6321	6075
45.0	7368	7071	6774	6477	6180
47.5	7632	7277	6922	6567	6212
50.0	7896	7483	7070	6657	6244
52.5	8187	7707	7226	6746	6265
55.0	8479	7931	7383	6835	6287
57.5	8414	7800	7186	6571	5957
60.0	8349	7668	6988	6308	5628
62.5	7654	6965	6275	5585	4896
65.0	6960	6261	5562	4863	4164
67.5	6001	5272	4543	3814	3086
70.0	5041	4283	3524	2766	2008
72.5	3677	3093	2509	1925	1341
75.0	2312	1903	1494	1085	675
77.5	1324	1096	868	640	413
80.0	335	289	242	196	150
82.5	181	158	134	111	87
85.0	28	27	26	25	24
87.5	14	13	13	12	12
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-34L-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

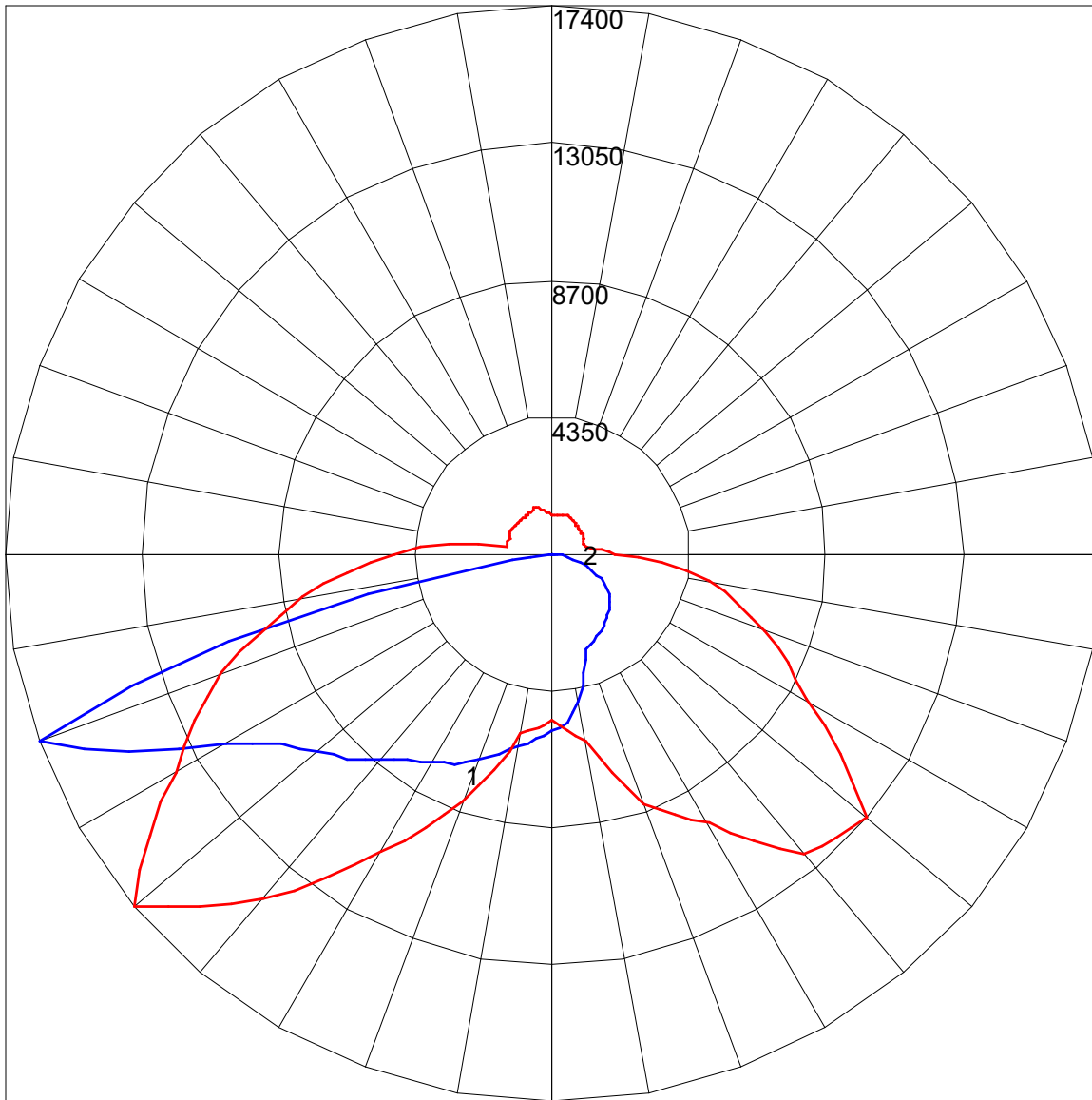
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	13077.1	46.1
Downward House Side	15269.7	53.9
Downward Total	28346.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	28346.8	100.0

POLAR GRAPH



Maximum Candela = 17400 Located At Horizontal Angle = 220, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (220 - 40) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

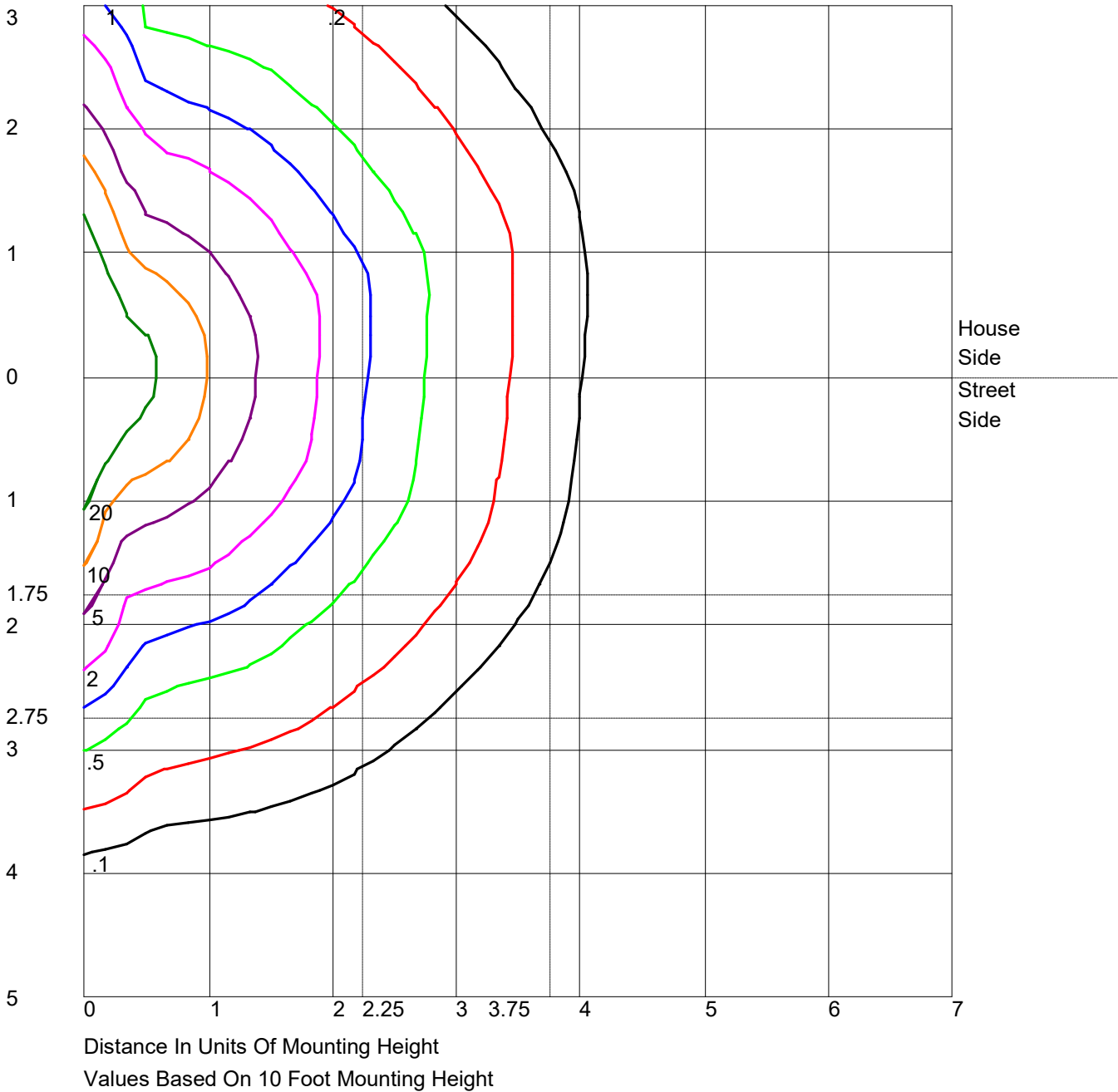


PHOTO IES R

