

PHOTOMETRIC FILENAME : E48979.IES

**DESCRIPTION**

IESNA:LM-63-1995  
[DATE]05/18/99  
[TEST]ITL48979  
[MANUFAC]ESCO LIGHTING, INC.  
[LUMCAT]SFI2PW-1  
[LUMINAIRE]FABRICATED METAL HOUSING WITH WHITE PAINTED GENERAL INTERIOR  
[MORE]FINISH, FABRICATED WHITE PAINTED METAL REFLECTOR, CLEAR  
[MORE]POLYCARBONATE PRISMATIC DROP LENS WITH LINEAR PRISMATIC SIDES  
[MORE]IN FABRICATED WHITE PAINTED METAL FRAME.  
[LAMP]ONE 150-WATT INDUCTIVELY COUPLED RECTANGULAR FLUORESCENT LAMP, OSRAM  
[MORE]ICET, HORIZONTAL POSITION.

**ROAD REPORT CHARACTERISTICS**

IES Classification	Type I
Longitudinal Classification	Very Short
Cutoff Classification	Semi-cutoff
Rated Total Lamp Lumens	12000
Maximum Candela	2485
Maximum Candela Angle	5 H 2.5 V
Maximum Candela at 90 Degrees Vertical	506
Maximum Candela at 80 Degrees Vertical	910
Downward Total Efficiency	53.5 %

CANDELA TABULATION

	0	5	15	25	35	45	55	65	75	85
0	2479	2479	2479	2479	2479	2479	2479	2479	2479	2479
2.5	2480	2485	2484	2483	2480	2477	2473	2470	2469	2467
5	2470	2475	2474	2474	2471	2469	2465	2464	2462	2461
7.5	2453	2456	2457	2457	2455	2453	2451	2450	2449	2448
10	2420	2424	2425	2426	2426	2427	2425	2426	2426	2426
12.5	2371	2376	2375	2377	2383	2384	2385	2387	2392	2394
15	2289	2298	2296	2299	2304	2311	2317	2328	2337	2344
17.5	2196	2198	2196	2193	2197	2209	2221	2238	2253	2269
20	2095	2101	2099	2096	2100	2113	2123	2141	2166	2186
22.5	1997	2000	2007	2006	2008	2025	2033	2055	2084	2111
25	1889	1895	1910	1913	1912	1930	1942	1975	2009	2041
27.5	1779	1788	1808	1814	1812	1832	1849	1895	1939	1973
30	1665	1675	1705	1714	1715	1733	1755	1811	1866	1904
32.5	1554	1564	1602	1613	1617	1637	1665	1729	1796	1836
35	1441	1452	1495	1510	1519	1540	1579	1646	1722	1767
37.5	1331	1342	1389	1412	1427	1451	1497	1569	1653	1703
40	1226	1233	1286	1312	1337	1364	1418	1493	1587	1643
42.5	1123	1131	1182	1215	1249	1280	1342	1422	1522	1586
45	1024	1033	1081	1118	1161	1198	1268	1353	1459	1531
47.5	927	932	981	1025	1077	1119	1196	1284	1395	1478
50	835	838	883	938	993	1045	1124	1216	1334	1426
52.5	750	750	792	851	913	972	1056	1152	1276	1380
55	674	676	710	772	836	900	989	1093	1221	1335
57.5	615	617	644	704	765	833	930	1037	1172	1295
60	577	574	588	644	701	771	872	986	1123	1259
62.5	561	551	547	593	643	717	820	938	1079	1225
65	559	542	515	549	589	666	767	892	1041	1200
67.5	556	535	488	510	541	615	719	852	1005	1176
70	549	530	467	474	493	567	675	808	962	1141
72.5	540	525	447	443	447	527	630	762	919	1100
75	523	515	431	414	412	489	590	716	874	1050
77.5	492	494	414	388	383	453	553	668	816	985
80	443	457	390	360	359	416	509	610	744	898
82.5	383	406	358	329	336	373	450	535	658	787
85	305	339	316	291	297	319	388	468	574	684
87.5	222	258	265	243	246	265	327	396	503	590
90	131	180	205	195	203	218	278	339	426	505
95	88	101	127	125	130	150	201	249	319	374
105	50	49	48	56	64	81	105	121	150	178
115	23	23	19	18	28	42	65	82	105	128
125	7	8	6	4	4	13	25	38	54	65
135	2	2	2	2	2	2	3	8	13	16
145	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0

CANDELA TABULATION (Cont.)

180	0	0	0	0	0	0	0	0	0	0
	90	95	105	115	125	135	145	155	165	175
0	2479	2479	2479	2479	2479	2479	2479	2479	2479	2479
2.5	2466	2467	2469	2470	2473	2477	2480	2483	2484	2485
5	2461	2461	2462	2464	2465	2469	2471	2474	2474	2475
7.5	2449	2448	2449	2450	2451	2453	2455	2457	2457	2456
10	2427	2426	2426	2426	2425	2427	2426	2426	2425	2424
12.5	2395	2394	2392	2387	2385	2384	2383	2377	2375	2376
15	2347	2344	2337	2328	2317	2311	2304	2299	2296	2298
17.5	2272	2269	2253	2238	2221	2209	2197	2193	2196	2198
20	2188	2186	2166	2141	2123	2113	2100	2096	2099	2101
22.5	2114	2111	2084	2055	2033	2025	2008	2006	2007	2000
25	2045	2041	2009	1975	1942	1930	1912	1913	1910	1895
27.5	1978	1973	1939	1895	1849	1832	1812	1814	1808	1788
30	1907	1904	1866	1811	1755	1733	1715	1714	1705	1675
32.5	1838	1836	1796	1729	1665	1637	1617	1613	1602	1564
35	1772	1767	1722	1646	1579	1540	1519	1510	1495	1452
37.5	1709	1703	1653	1569	1497	1451	1427	1412	1389	1342
40	1651	1643	1587	1493	1418	1364	1337	1312	1286	1233
42.5	1594	1586	1522	1422	1342	1280	1249	1215	1182	1131
45	1542	1531	1459	1353	1268	1198	1161	1118	1081	1033
47.5	1489	1478	1395	1284	1196	1119	1077	1025	981	932
50	1439	1426	1334	1216	1124	1045	993	938	883	838
52.5	1392	1380	1276	1152	1056	972	913	851	792	750
55	1348	1335	1221	1093	989	900	836	772	710	676
57.5	1308	1295	1172	1037	930	833	765	704	644	617
60	1268	1259	1123	986	872	771	701	644	588	574
62.5	1232	1225	1079	938	820	717	643	593	547	551
65	1207	1200	1041	892	767	666	589	549	515	542
67.5	1187	1176	1005	852	719	615	541	510	488	535
70	1152	1141	962	808	675	567	493	474	467	530
72.5	1115	1100	919	762	630	527	447	443	447	525
75	1064	1050	874	716	590	489	412	414	431	515
77.5	999	985	816	668	553	453	383	388	414	494
80	910	898	744	610	509	416	359	360	390	457
82.5	785	787	658	535	450	373	336	329	358	406
85	689	684	574	468	388	319	297	291	316	339
87.5	591	590	503	396	327	265	246	243	265	258
90	506	505	426	339	278	218	203	195	205	180
95	375	374	319	249	201	150	130	125	127	101
105	180	178	150	121	105	81	64	56	48	49
115	136	128	105	82	65	42	28	18	19	23
125	68	65	54	38	25	13	4	4	6	8
135	17	16	13	8	3	2	2	2	2	2
145	0	0	0	0	0	0	0	0	0	0

CANDELA TABULATION (Cont.)

155	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

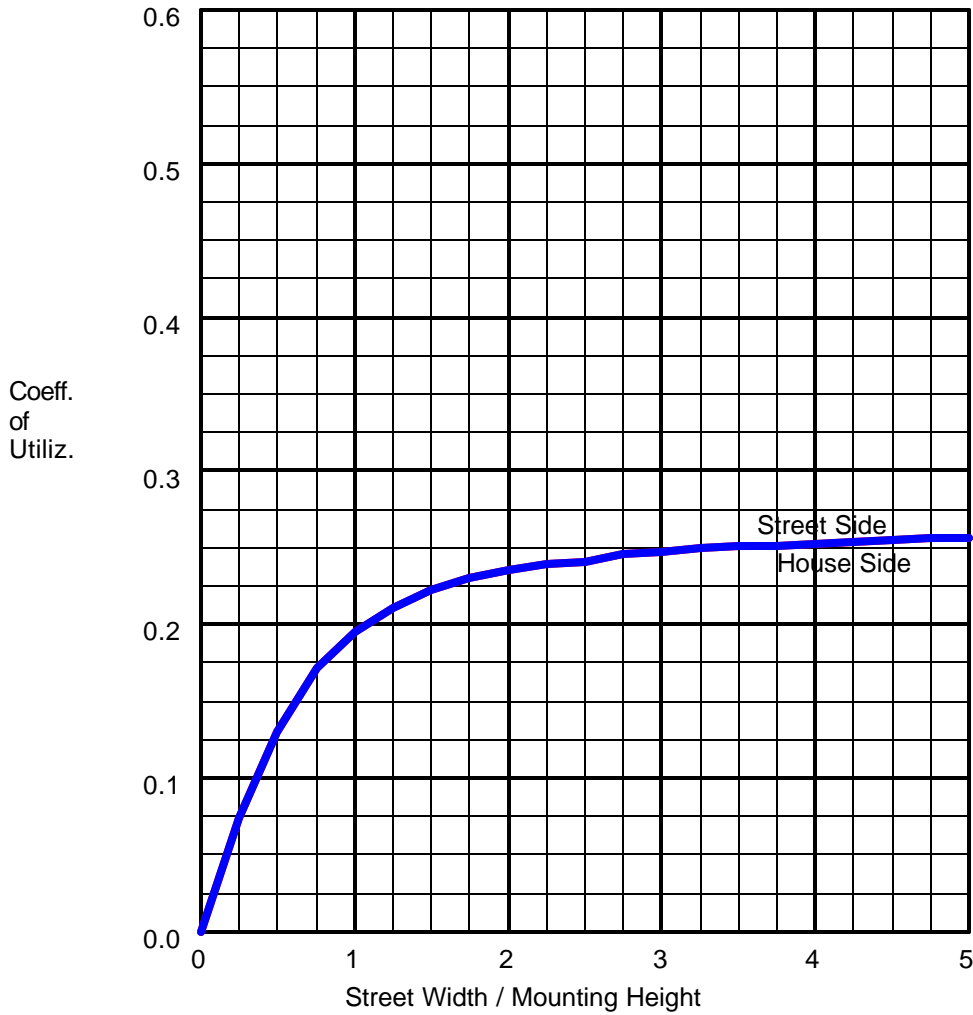
	180
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0	2479
2.5	2480
5	2470
7.5	2453
10	2420
12.5	2371
15	2289
17.5	2196
20	2095
22.5	1997
25	1889
27.5	1779
30	1665
32.5	1554
35	1441
37.5	1331
40	1226
42.5	1123
45	1024
47.5	927
50	835
52.5	750
55	674
57.5	615
60	577
62.5	561
65	559
67.5	556
70	549
72.5	540
75	523
77.5	492
80	443
82.5	383
85	305
87.5	222
90	131
95	88
105	50
115	23

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**CANDELA TABULATION (Cont.)**

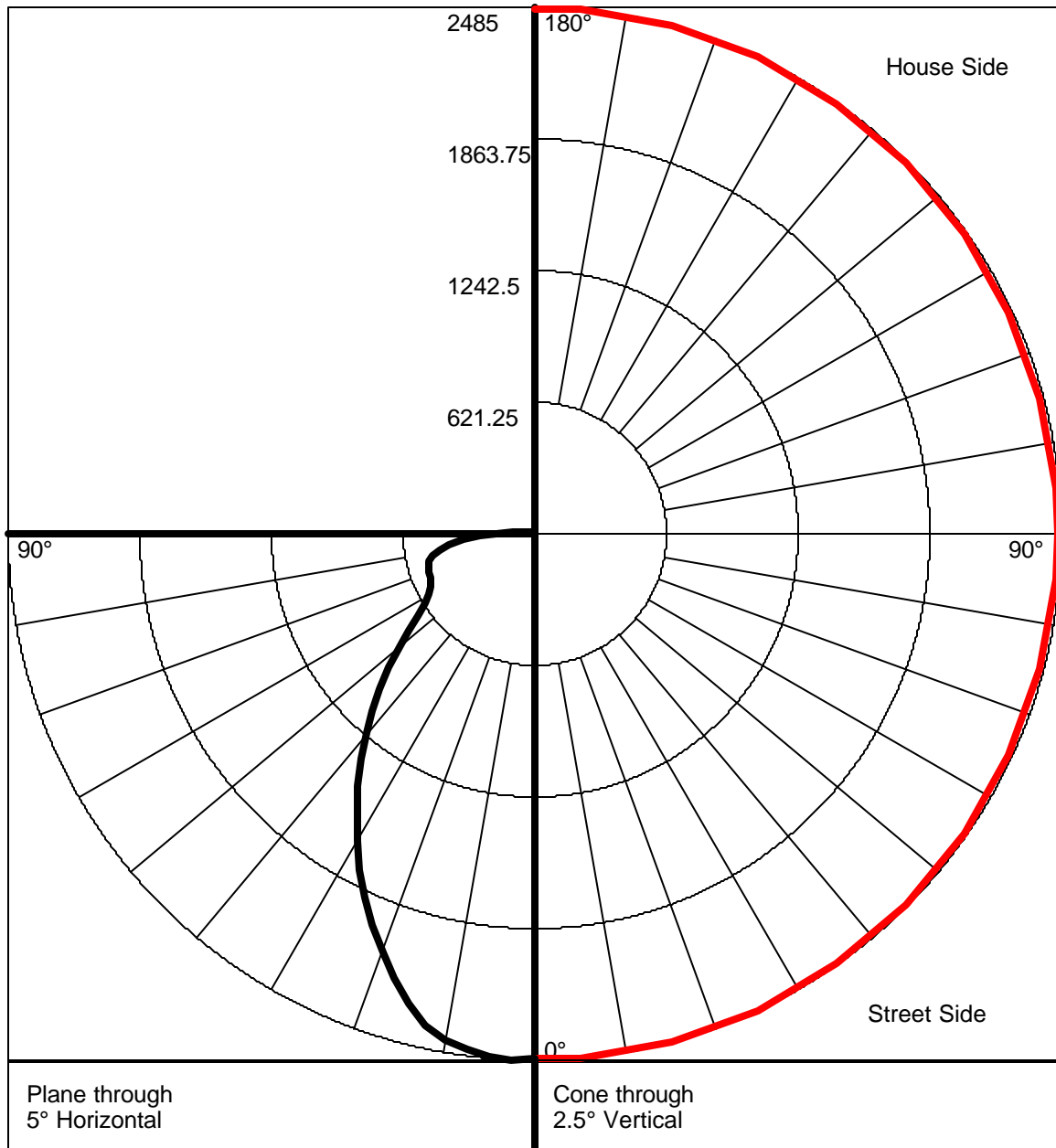
125	7
135	2
145	0
155	0
165	0
175	0
180	0

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	Lumens	Percent of Lamp
Downward Street Side	3208	26.7
Downward House Side	3208	26.7
Downward Total	6416	53.5
Upward Street Side	210	1.8
Upward House Side	210	1.8
Upward Total	420	3.5
<b>Total Flux</b>	<b>6836</b>	<b>57.0</b>

POLAR GRAPH



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

