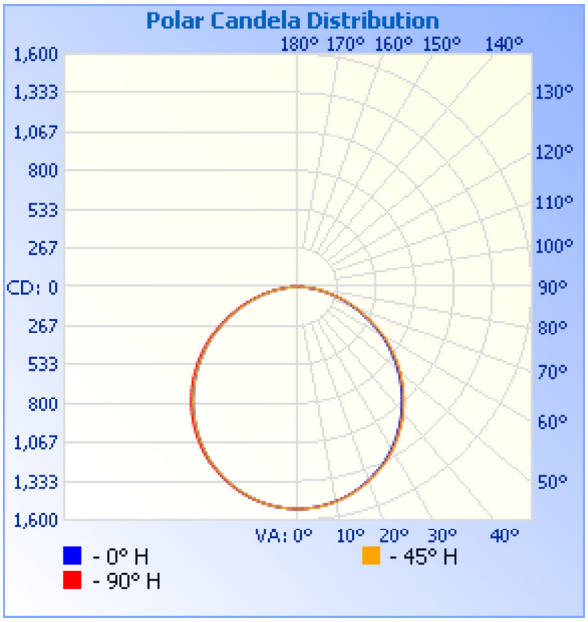
Photometrics Pro

Luminaire Photometric Report

Filename: 11486 FP66 T-Bar Square - IES
Lamp Output: 1 lamp, rated Lumens/lamp: 4844.7
Max Candela: 1,521.8 at Horizontal: 45°, Vertical: 1°
Input Wattage: 47.036
Luminous Opening: Point
Test Date: 2025-01-16
Photometry : Type C
Nema Type: 7 X 7



Roadway Summary

	Lumens	% Lamp
Cutoff Classification:		CUTOFF
Distribution:		Type VS
Max Cd, 90 Deg Vert:		10.4
Max Cd, 80 to <90 Deg:		196.2
Downward Street Side:	2,190.1	45.2%
Downward House Side:	2,185.2	45.1%
Downward Total:	4,375.3	90.3%
Total Lumens:	4,375.3	90.3%

Flood Summary

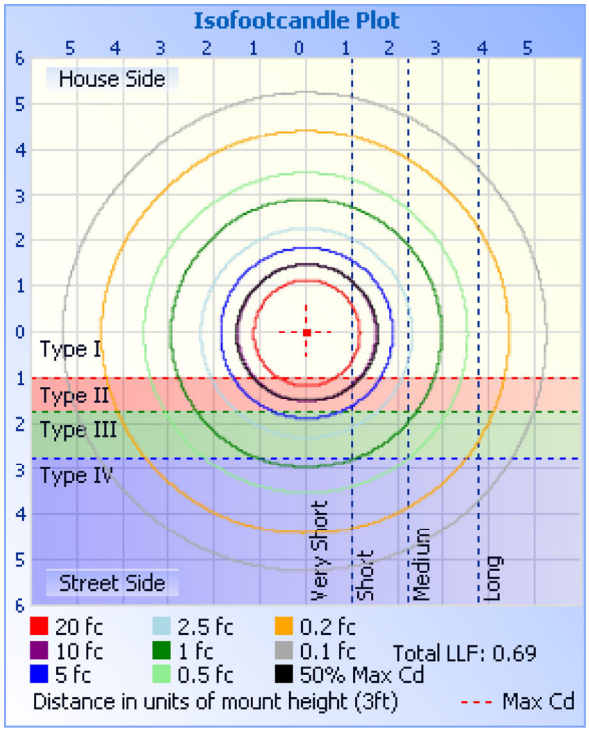
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	88.9%	4,306.2	163.1	162.6
Beam (50%):	65.6%	3,178.9	113.6	112
Total:	90.3%	4,373.8		

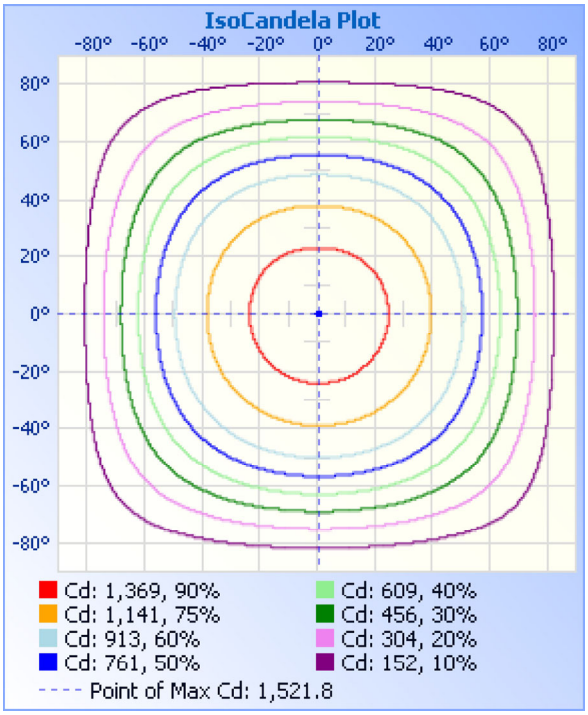
Zonal Lumen Summary

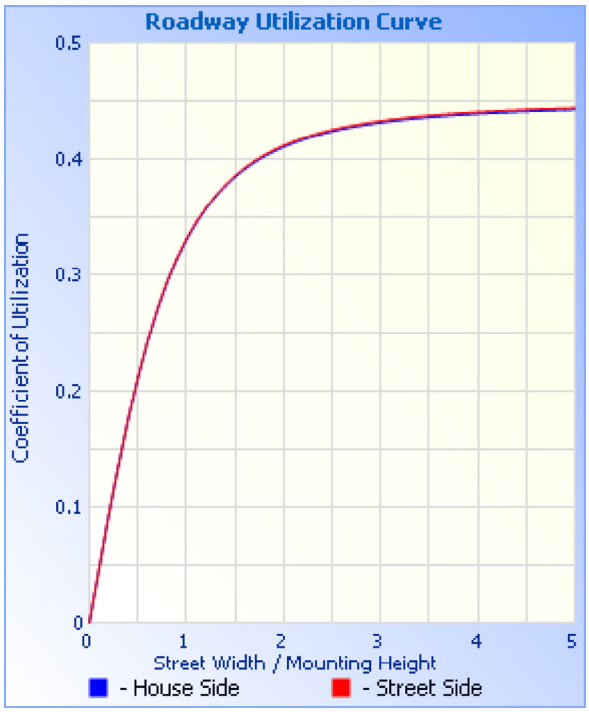
Zone	Lumens	% Lamp	% Luminaire
0-30	1,181.2	24.4%	27%
0-40	1,935.5	40%	44.2%
0-60	3,427.4	70.7%	78.3%
60-90	947.4	19.6%	21.7%
0-90	4,374.9	90.3%	100%

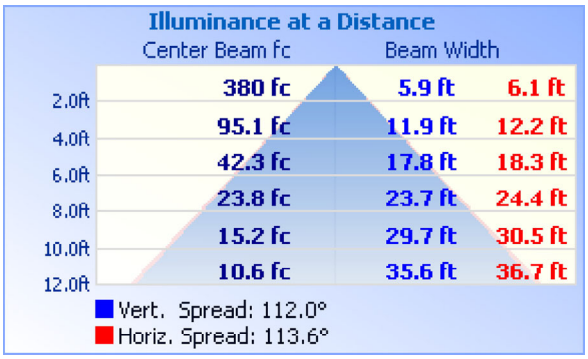
Lumens Per Zone

Zone	Lumens	% Total
0-10	143.9	3.3%
10-20	412.2	9.4%
20-30	625.1	14.3%
30-40	754.3	17.2%
40-50	783.4	17.9%
50-60	708.6	16.2%
60-70	542.1	12.4%
70-80	316.0	7.2%
80-90	89.4	2.0%









Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.08	1.08	1.08	1.08	1.05	1.05	1.05	.90	1.00	1.00	1.00	.96	.96	.96	.92	.92	.92	.90
1	.98	.94	.90	.86	.96	.92	.88	.76	.88	.85	.82	.84	.82	.80	.81	.79	.77	.75
2	.89	.81	.75	.70	.87	.80	.74	.64	.77	.72	.68	.74	.70	.66	.71	.67	.64	.63
3	.81	.71	.64	.58	.79	.70	.63	.54	.67	.61	.56	.65	.60	.55	.62	.58	.55	.53

4	.74	.63	.55	.49	.72	.62	.55	.46	.60	.53	.48	.58	.52	.47	.56	.51	.47	.45
5	.68	.56	.48	.42	.66	.55	.48	.40	.53	.47	.41	.52	.46	.41	.50	.45	.41	.39
6	.63	.51	.43	.37	.61	.50	.42	.35	.48	.41	.36	.47	.41	.36	.45	.40	.36	.34
7	.58	.46	.38	.32	.57	.45	.38	.31	.44	.37	.32	.43	.36	.32	.41	.36	.32	.30
8	.54	.42	.34	.29	.53	.41	.34	.28	.40	.33	.29	.39	.33	.28	.38	.32	.28	.27
9	.51	.39	.31	.26	.49	.38	.31	.25	.37	.30	.26	.36	.30	.26	.35	.30	.26	.24
10	.48	.36	.28	.24	.46	.35	.28	.23	.34	.28	.23	.33	.27	.23	.32	.27	.23	.22

Candela Table - Type C

	0	45	90	135	180	225	270	315	360
0	**1522**	**1522**	**1522**	**1522**	**1522**	**1522**	**1522**	**1522**	**1522**
1	**1522**	**1522**	1521	1521	**1522**	1521	**1522**	**1522**	**1522**
2	1520	1521	1520	1520	1521	1521	1521	1521	1520
3	1518	1520	1519	1518	1520	1519	1520	1520	1518
4	1516	1517	1517	1516	1518	1517	1518	1518	1516
5	1513	1515	1514	1514	1515	1514	1516	1516	1513
6	1510	1512	1511	1510	1512	1512	1513	1513	1510
7	1506	1508	1508	1506	1508	1508	1510	1510	1506
8	1502	1505	1503	1502	1504	1504	1506	1505	1502
9	1498	1500	1498	1497	1500	1499	1502	1501	1498
10	1492	1495	1493	1492	1495	1494	1497	1496	1492
11	1486	1489	1488	1486	1490	1488	1492	1491	1486
12	1480	1483	1482	1480	1483	1482	1485	1484	1480
13	1472	1476	1475	1473	1476	1475	1479	1478	1472
14	1465	1469	1468	1465	1469	1468	1473	1471	1465
15	1457	1462	1460	1457	1461	1460	1466	1463	1457
16	1448	1453	1452	1449	1453	1452	1457	1455	1448
17	1440	1445	1443	1440	1444	1443	1449	1447	1440
18	1430	1435	1434	1431	1435	1434	1441	1438	1430
19	1420	1426	1424	1420	1425	1424	1431	1428	1420
20	1409	1416	1414	1410	1415	1414	1422	1418	1409
21	1398	1405	1403	1399	1404	1403	1411	1408	1398
22	1386	1394	1392	1388	1393	1392	1400	1396	1386
23	1375	1382	1381	1376	1380	1380	1389	1385	1375
24	1362	1370	1369	1363	1369	1368	1378	1373	1362
25	1349	1358	1356	1351	1356	1355	1365	1360	1349
26	1336	1345	1344	1337	1343	1342	1353	1348	1336
27	1322	1331	1330	1324	1329	1329	1340	1334	1322
28	1308	1317	1316	1310	1315	1315	1326	1320	1308
29	1292	1303	1302	1295	1301	1300	1312	1306	1292
30	1277	1288	1287	1280	1285	1285	1298	1291	1277
31	1262	1273	1272	1264	1270	1270	1283	1276	1262
32	1246	1257	1257	1248	1254	1254	1268	1261	1246
33	1230	1241	1241	1233	1238	1238	1253	1244	1230
34	1213	1225	1224	1216	1221	1222	1236	1228	1213
35	1195	1208	1208	1199	1204	1205	1220	1211	1195
36	1178	1190	1190	1181	1187	1187	1203	1194	1178
37	1160	1173	1173	1163	1169	1169	1186	1176	1160
38	1141	1155	1155	1145	1151	1151	1168	1158	1141
39	1122	1136	1136	1126	1132	1133	1150	1140	1122
40	1103	1117	1118	1108	1114	1114	1131	1121	1103
41	1084	1098	1098	1088	1094	1095	1113	1102	1084
42	1064	1079	1079	1068	1074	1075	1094	1083	1064
43	1044	1059	1059	1048	1054	1055	1074	1063	1044
44	1024	1039	1038	1028	1034	1035	1053	1043	1024
45	1002	1018	1018	1007	1013	1014	1034	1022	1002
46	982	997	997	986	993	993	1013	1001	982

47	960	976	975	965	971	972	992	981	960
48	938	955	954	943	950	950	971	959	938
49	916	933	932	921	928	929	949	937	916
50	894	910	910	899	905	906	927	915	894
51	871	888	888	876	883	884	904	893	871
52	848	865	865	853	860	861	882	870	848
53	825	842	841	831	837	838	859	847	825
54	802	818	818	807	814	815	836	823	802
55	779	795	795	783	791	791	813	800	779
56	755	771	770	759	767	767	789	777	755
57	731	747	747	735	744	743	765	753	731
58	707	723	722	711	719	719	741	728	707
59	683	699	698	687	695	695	717	704	683
60	658	674	673	662	671	670	692	680	658
61	633	650	648	637	646	645	668	655	633
62	609	625	623	613	622	621	642	630	609
63	584	599	598	588	597	596	618	605	584
64	559	574	573	562	572	570	593	580	559
65	534	550	548	537	547	545	567	555	534
66	509	525	522	512	523	520	542	530	509
67	484	499	497	487	497	495	517	505	484
68	459	474	472	462	473	470	491	480	459
69	435	449	446	437	448	444	466	454	435
70	410	423	420	411	422	419	440	429	410
71	385	398	394	387	397	394	415	404	385
72	361	372	369	362	373	370	390	378	361
73	336	348	345	337	348	344	365	353	336
74	312	323	320	313	324	320	340	329	312
75	288	299	295	289	300	296	315	305	288
76	265	275	271	265	277	272	291	280	265
77	241	251	247	242	253	248	267	256	241
78	218	227	224	218	231	224	243	233	218
79	196	204	200	195	208	201	219	210	196
80	174	182	178	173	186	179	196	187	174
81	152	159	155	151	164	156	174	164	152
82	131	137	133	129	143	134	152	143	131
83	111	116	112	109	122	114	130	122	111
84	91	95	91	89	102	94	109	101	91
85	72	75	71	70	83	75	88	82	72
86	55	57	53	52	65	57	69	63	55
87	38	40	34	35	47	40	50	46	38
88	25	24	17	22	32	24	32	30	25
89	15	13	5	12	20	14	15	17	15
90	8	6	2	6	10	7	5	9	8

Luminaire Report Summary

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[TEST]
[TESTDATE] 2025-01-16
[TESTLAB]
[ISSUEDATE] 2025-02-08 08:43:03
[MANUFAC]
[_TOTALLUMINAIRELUMENS] 4374.9
[_LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000A_V1 SYSTEM
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 91, HORIZONTAL ANGLES: 9
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: STANDARD
FILE: BALLAST FACTOR: 1
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Reported data calculated from manufacturer's data file, based on IES recommended methods.