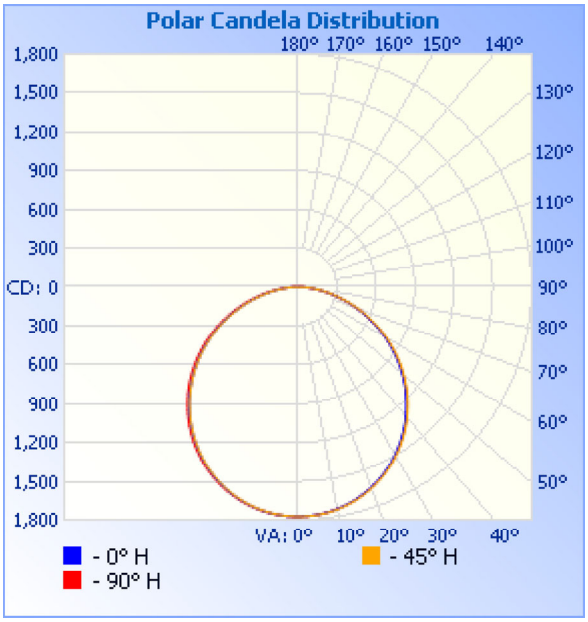
Photometrics Pro

Luminaire Photometric Report

Filename: 11487 FP66 T-Bar Diamond - IES
Lamp Output: 1 lamp, rated Lumens/lamp: 4902.5
Max Candela: 1,773.5 at Horizontal: 270°, Vertical: 1°
Input Wattage: 47.724
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:		6.6
Max Cd, 80 to <90 Deg:		225.0
Downward Street Side:	2,550.5	52%
Downward House Side:	2,535.3	51.7%
Downward Total:	5,085.8	103.7%
Total Lumens:	5,085.8	103.7%

Flood Summary

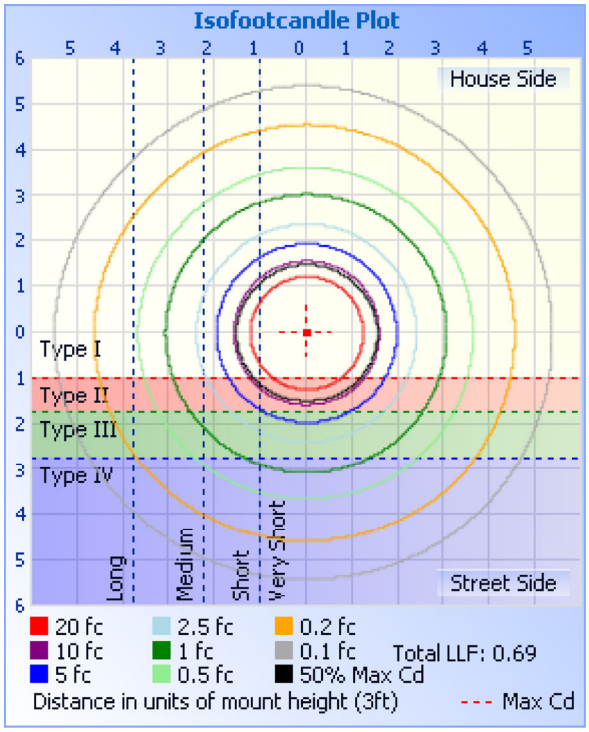
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	102.1%	5,004.4	162.6	162.1
Beam (50%):	75.4%	3,695.9	113.4	112.2
Total:	103.7%	5,084.1		

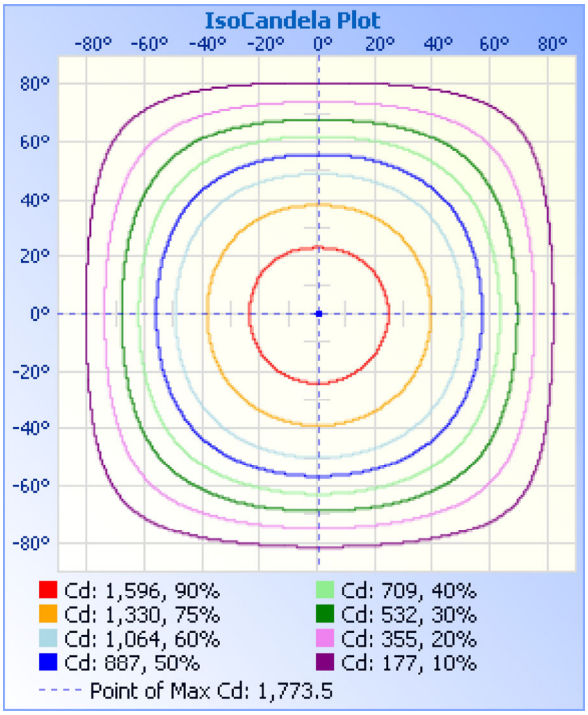
Zonal Lumen Summary

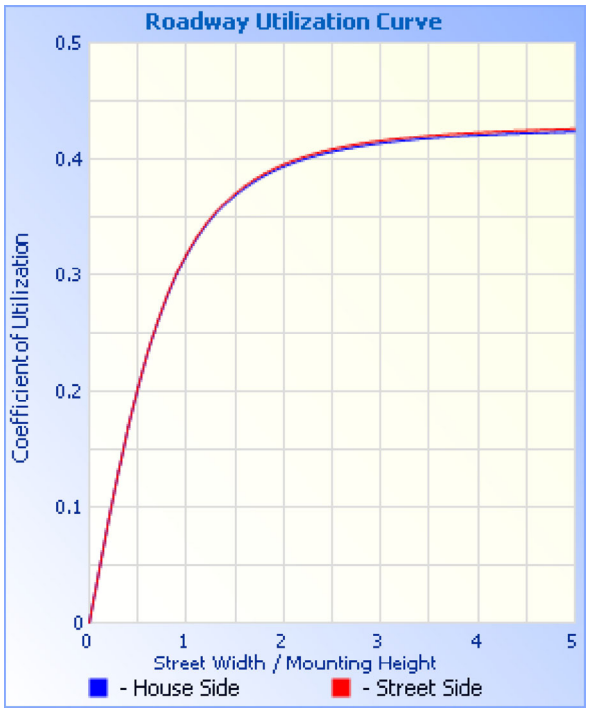
Zone	Lumens	% Lamp	% Luminaire
0-30	1,376.7	28.1%	27.1%
0-40	2,255.7	46%	44.4%
0-60	3,994.4	81.5%	78.5%
60-90	1,090.9	22.3%	21.5%
0-90	5,085.3	103.7%	100%

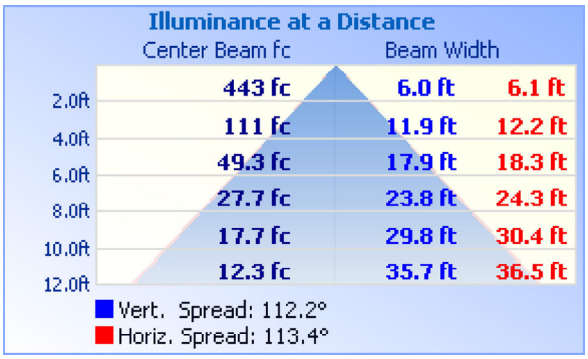
Lumens Per Zone

Zone	Lumens	% Total
0-10	167.7	3.3%
10-20	480.5	9.4%
20-30	728.4	14.3%
30-40	879.1	17.3%
40-50	913.0	18.0%
50-60	825.6	16.2%
60-70	629.7	12.4%
70-80	362.8	7.1%
80-90	98.4	1.9%









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	1.23	1.23	1.23	1.23	1.21	1.21	1.21	1.04	1.15	1.15	1.15	1.10	1.10	1.10	1.06	1.06	1.06	1.04
1	1.13	1.08	1.03	.99	1.10	1.05	1.01	.87	1.01	.98	.94	.97	.94	.92	.93	.91	.89	.87
2	1.02	.94	.87	.81	1.00	.92	.85	.73	.88	.82	.78	.85	.80	.76	.81	.78	.74	.72
3	.93	.82	.74	.67	.91	.81	.73	.62	.77	.71	.65	.75	.69	.64	.72	.67	.63	.60

4	.85	.73	.64	.56	.83	.71	.63	.53	.69	.61	.55	.66	.60	.55	.64	.58	.54	.52
5	.78	.65	.56	.49	.76	.64	.55	.46	.62	.54	.48	.59	.53	.47	.58	.52	.47	.44
6	.72	.58	.49	.42	.70	.57	.49	.41	.56	.48	.42	.54	.47	.41	.52	.46	.41	.39
7	.67	.53	.44	.37	.65	.52	.43	.36	.50	.43	.37	.49	.42	.37	.48	.41	.36	.34
8	.62	.48	.39	.33	.61	.48	.39	.32	.46	.38	.33	.45	.38	.33	.44	.37	.33	.31
9	.58	.44	.36	.30	.57	.44	.35	.29	.42	.35	.30	.41	.34	.30	.40	.34	.29	.27
10	.55	.41	.33	.27	.53	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25

Candela Table - Type C

	0	45	90	135	180	225	270	315	360
0	1773	1773	1773	1773	1773	1773	1773	1773	1773
1	1773	1773	1773	1773	1773	1773	**1774**	1773	1773
2	1772	1773	1772	1772	1772	1772	1773	1772	1772
3	1770	1771	1770	1770	1771	1770	1771	1771	1770
4	1768	1769	1768	1768	1768	1767	1769	1768	1768
5	1764	1766	1765	1764	1766	1764	1767	1766	1764
6	1761	1763	1761	1760	1762	1761	1764	1762	1761
7	1757	1759	1757	1756	1758	1756	1760	1759	1757
8	1752	1755	1752	1752	1754	1751	1755	1754	1752
9	1746	1750	1746	1746	1748	1746	1750	1749	1746
10	1740	1744	1740	1740	1742	1740	1745	1742	1740
11	1733	1737	1734	1732	1736	1733	1738	1736	1733
12	1725	1730	1727	1726	1728	1725	1731	1729	1725
13	1717	1722	1719	1718	1720	1718	1724	1721	1717
14	1709	1714	1710	1709	1712	1709	1716	1713	1709
15	1700	1706	1702	1700	1703	1699	1708	1704	1700
16	1690	1696	1692	1690	1693	1689	1698	1695	1690
17	1679	1686	1681	1680	1682	1679	1688	1684	1679
18	1668	1675	1670	1669	1672	1669	1678	1674	1668
19	1657	1664	1660	1657	1661	1657	1667	1663	1657
20	1645	1653	1648	1646	1648	1644	1656	1651	1645
21	1632	1640	1635	1632	1636	1632	1644	1638	1632
22	1618	1627	1622	1619	1622	1619	1631	1625	1618
23	1604	1613	1609	1606	1609	1605	1618	1612	1604
24	1590	1600	1594	1591	1595	1590	1604	1598	1590
25	1575	1585	1580	1576	1580	1576	1590	1583	1575
26	1560	1570	1565	1561	1564	1560	1575	1568	1560
27	1544	1554	1549	1545	1549	1545	1560	1552	1544
28	1527	1538	1533	1529	1532	1528	1544	1536	1527
29	1510	1521	1516	1512	1515	1512	1528	1520	1510
30	1492	1505	1499	1494	1498	1494	1511	1502	1492
31	1474	1486	1481	1476	1480	1476	1493	1485	1474
32	1456	1469	1463	1458	1461	1458	1476	1467	1456
33	1437	1450	1444	1439	1442	1439	1458	1448	1437
34	1417	1431	1425	1419	1423	1419	1439	1429	1417
35	1397	1411	1405	1400	1403	1400	1420	1410	1397
36	1377	1391	1385	1379	1383	1379	1400	1390	1377
37	1356	1370	1364	1358	1362	1358	1380	1369	1356
38	1335	1350	1343	1337	1341	1337	1359	1348	1335
39	1313	1328	1322	1316	1319	1316	1338	1327	1313
40	1291	1306	1300	1294	1297	1294	1317	1305	1291
41	1269	1284	1278	1271	1275	1271	1295	1283	1269
42	1246	1261	1254	1248	1252	1248	1273	1260	1246
43	1223	1238	1231	1224	1229	1224	1249	1237	1223
44	1198	1215	1207	1201	1205	1202	1226	1214	1198
45	1174	1190	1183	1177	1180	1177	1203	1189	1174
46	1150	1166	1159	1152	1156	1152	1179	1165	1150

47	1125	1142	1134	1127	1131	1127	1154	1141	1125
48	1100	1116	1108	1102	1106	1102	1129	1116	1100
49	1074	1091	1083	1076	1080	1076	1104	1090	1074
50	1048	1064	1057	1050	1055	1051	1079	1064	1048
51	1022	1039	1030	1024	1029	1025	1053	1039	1022
52	996	1012	1004	997	1002	998	1026	1012	996
53	968	986	977	971	975	972	1000	986	968
54	941	958	949	943	948	944	973	958	941
55	914	930	922	915	921	916	946	931	914
56	886	903	894	887	893	889	918	903	886
57	858	875	866	859	865	861	890	876	858
58	830	846	837	831	837	832	862	847	830
59	802	817	808	802	809	804	834	818	802
60	773	789	779	773	780	774	806	790	773
61	744	760	750	744	751	746	776	762	744
62	715	731	720	715	722	717	747	732	715
63	686	701	691	686	693	688	718	703	686
64	656	672	661	656	664	658	689	674	656
65	627	643	632	626	634	629	660	645	627
66	597	613	602	596	605	599	630	615	597
67	568	583	572	567	575	570	600	585	568
68	539	553	542	537	546	540	571	556	539
69	509	523	512	507	516	510	541	526	509
70	479	494	482	477	487	480	511	497	479
71	450	464	452	448	457	452	481	467	450
72	421	433	421	419	428	422	452	436	421
73	392	404	392	389	399	393	422	408	392
74	364	376	363	360	370	364	393	379	364
75	336	347	334	332	341	336	364	350	336
76	308	318	305	304	313	308	336	322	308
77	281	290	277	276	286	280	308	293	281
78	254	262	250	249	259	253	280	266	254
79	227	235	222	221	232	225	252	239	227
80	201	209	196	195	206	199	225	213	201
81	176	183	170	170	181	174	199	187	176
82	152	158	145	144	156	148	173	161	152
83	128	133	121	120	132	124	148	137	128
84	105	109	97	97	109	101	124	113	105
85	83	87	75	75	87	79	101	90	83
86	63	65	54	54	66	58	79	68	63
87	43	45	34	34	46	38	57	47	43
88	25	27	16	18	28	22	37	29	25
89	11	13	4	7	13	11	19	14	11
90	3	4	2	2	2	3	7	3	3

Luminaire Report Summary

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[TEST]
[TESTDATE] 2025-01-16
[TESTLAB]
[ISSUEDATE] 2025-02-08 08:46:26
[MANUFAC]
[_TOTALLUMINAIRELUMENS] 5085.3
[_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.