



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-50-80-HGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12562
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/05/21
[TESTDATE] 03/03/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-12L-PC-VWF-50-80-HGS
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor
[SEARCH_COLORTEMP] 4000

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	2251
Maximum Candela Angle	-11H 47.5V
Horizontal Beam Angle (50%)	119.1
Vertical Beam Angle (50%)	97.4
Horizontal Field Angle (10%)	145.4
Vertical Field Angle (10%)	134.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	4295
Beam Efficiency	N.A.
Field Lumens	5281
Field Efficiency	N.A.
Spill Lumens	86
Luminaire Lumens	5367
Total Efficiency	N.A.
Total Luminaire Watts	102
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	11	85	80
75	69	75	880
65	748	65	1850
55	1200	55	2193
47.5	1289	47.5	2230
42.5	1344	42.5	2075
37.5	1362	37.5	1923
33	1363	33	1784
29	1356	29	1658
25.5	1342	25.5	1555
22.5	1331	22.5	1483
19.5	1323	19.5	1419
17	1310	17	1373
15	1301	15	1341
13	1287	13	1312
11	1271	11	1286
9	1257	9	1264
7	1245	7	1244
5	1234	5	1226
3	1226	3	1212
1	1216	1	1210
0	1211	0	1211
-1	1216	-1	1208
-3	1226	-3	1205
-5	1234	-5	1207
-7	1245	-7	1213
-9	1257	-9	1222
-11	1271	-11	1234
-13	1287	-13	1248
-15	1301	-15	1260
-17	1310	-17	1273
-19.5	1323	-19.5	1203
-22.5	1331	-22.5	1176
-25.5	1342	-25.5	1078
-29	1356	-29	1014
-33	1363	-33	849
-37.5	1362	-37.5	884
-42.5	1344	-42.5	805
-47.5	1289	-47.5	371
-55	1200	-55	32
-65	748	-65	0
-75	69	-75	1
-85	11	-85	13
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 2251

Beam Edge = 1125.5 Cd (50% of Max.)

Field Edge = 225.1 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	2	10	24	62	70	77	87	91	87
75.0	0	5	24	44	209	468 *	618 *	694 *	783 *	832 *
65.0	0	8	34	128	762 *	1083 *	1234 *	1403 *	1499 *	1573 *
55.0	0	10	48	557 *	1269 *	1478 *	1714 *	1773 *	1906 *	1956 *
47.5	0	11	63	771 *	1423 *	1686 *	1811 *	1916 *	1978 *	2050 *
42.5	0	12	100	865 *	1469 *	1671 *	1777 *	1851 *	1907 *	1964 *
37.5	0	12	121	936 *	1452 *	1637 *	1728 *	1794 *	1838 *	1872 *
33.0	0	12	128	959 *	1440 *	1606 *	1690 *	1738 *	1769 *	1791 *
29.0	0	13	139	963 *	1430 *	1581 *	1652 *	1686 *	1710 *	1721 *
25.5	0	13	141	967 *	1411 *	1552 *	1616 *	1639 *	1656 *	1660 *
22.5	0	13	136	950 *	1395 *	1522 *	1580 *	1597 *	1609 *	1613 *
19.5	0	12	127	935 *	1373 *	1493 *	1541 *	1558 *	1566 *	1567 *
17.0	0	12	125	921 *	1352 *	1468 *	1510 *	1529 *	1533 *	1529 *
15.0	0	12	123	909 *	1336 *	1448 *	1488 *	1508 *	1509 *	1502 *
13.0	0	12	119	895 *	1319 *	1428 *	1468 *	1486 *	1487 *	1477 *
11.0	0	12	114	880 *	1303 *	1408 *	1449 *	1465 *	1465 *	1453 *
9.0	0	12	108	860 *	1286 *	1389 *	1429 *	1445 *	1443 *	1432 *
7.0	0	12	100	839 *	1268 *	1369 *	1409 *	1425 *	1423 *	1411 *
5.0	0	12	93	815 *	1250 *	1348 *	1389 *	1406 *	1404 *	1392 *
3.0	0	11	84	793 *	1232 *	1326 *	1371 *	1388 *	1385 *	1374 *
1.0	0	11	74	763 *	1211 *	1301 *	1353 *	1371 *	1370 *	1361 *
0.0	0	11	69	748 *	1200 *	1289 *	1344 *	1362 *	1363 *	1356 *
-1.0	0	11	68	735 *	1190 *	1282 *	1337 *	1356 *	1356 *	1349 *
-3.0	0	11	66	708 *	1171 *	1268 *	1322 *	1344 *	1343 *	1337 *
-5.0	0	11	64	675 *	1147 *	1252 *	1307 *	1334 *	1338 *	1335 *
-7.0	0	10	60	642 *	1122 *	1239 *	1295 *	1325 *	1333 *	1333 *
-9.0	0	10	58	607 *	1091 *	1225 *	1282 *	1316 *	1329 *	1331 *
-11.0	0	10	55	573 *	1057 *	1209 *	1267 *	1306 *	1325 *	1329 *
-13.0	0	10	52	536 *	1020 *	1192 *	1250 *	1290 *	1318 *	1326 *
-15.0	0	9	50	498 *	981 *	1174 *	1222 *	1266 *	1308 *	1323 *
-17.0	0	9	47	459 *	940 *	1153 *	1178 *	1232 *	1295 *	1285 *
-19.5	0	9	44	408 *	884 *	1078 *	1119 *	1177 *	1239 *	1235 *
-22.5	0	8	41	342 *	806 *	981 *	1038 *	1092 *	1138 *	1156 *
-25.5	0	8	39	277 *	714 *	884 *	940 *	997 *	1035 *	1058 *
-29.0	0	7	35	200	614 *	753 *	823 *	876 *	918 *	959 *
-33.0	0	7	31	119	488 *	627 *	712 *	736 *	798 *	782 *
-37.5	0	6	26	60	337 *	522 *	606 *	642 *	712 *	743 *
-42.5	0	5	20	44	148	338 *	447 *	488 *	560 *	606 *
-47.5	0	4	15	32	53	139	183	240 *	256 *	268 *
-55.0	0	3	9	17	25	28	31	31	32	32
-65.0	0	2	3	3	4	4	3	4	3	4
-75.0	0	1	1	2	1	1	1	1	1	1
-85.0	0	0	1	10	38	42	50	58	60	53
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	85	83	81	79	78	78	78	78	77	77
75.0	906 *	942 *	935 *	917 *	894 *	893 *	894 *	889 *	879 *	878 *
65.0	1679 *	1734 *	1729 *	1738 *	1752 *	1772 *	1794 *	1814 *	1831 *	1844 *
55.0	2017 *	2061 *	2106 *	2145 *	2174 *	2200 *	2203 *	2200 *	2198 *	2198 *
47.5	2102 *	2142 *	2183 *	2207 *	2222 *	2237 *	2251 *	2244 *	2240 *	2237 *
42.5	1998 *	2030 *	2061 *	2082 *	2086 *	2090 *	2094 *	2091 *	2085 *	2082 *
37.5	1901 *	1923 *	1938 *	1948 *	1951 *	1948 *	1946 *	1944 *	1936 *	1931 *
33.0	1809 *	1822 *	1829 *	1832 *	1834 *	1828 *	1816 *	1806 *	1798 *	1791 *
29.0	1727 *	1731 *	1735 *	1730 *	1722 *	1715 *	1701 *	1687 *	1677 *	1668 *
25.5	1659 *	1656 *	1652 *	1646 *	1633 *	1620 *	1607 *	1592 *	1579 *	1571 *
22.5	1607 *	1599 *	1588 *	1577 *	1567 *	1551 *	1535 *	1520 *	1507 *	1498 *
19.5	1557 *	1546 *	1532 *	1517 *	1505 *	1491 *	1473 *	1458 *	1445 *	1434 *
17.0	1518 *	1509 *	1491 *	1474 *	1459 *	1445 *	1428 *	1412 *	1400 *	1389 *
15.0	1489 *	1479 *	1462 *	1443 *	1430 *	1414 *	1396 *	1380 *	1368 *	1356 *
13.0	1461 *	1450 *	1434 *	1417 *	1403 *	1386 *	1368 *	1351 *	1338 *	1327 *
11.0	1438 *	1425 *	1409 *	1393 *	1381 *	1363 *	1342 *	1326 *	1312 *	1301 *
9.0	1417 *	1404 *	1388 *	1372 *	1360 *	1344 *	1324 *	1304 *	1291 *	1279 *
7.0	1396 *	1385 *	1370 *	1354 *	1341 *	1326 *	1308 *	1290 *	1272 *	1260 *
5.0	1377 *	1368 *	1353 *	1339 *	1327 *	1312 *	1294 *	1278 *	1263 *	1245 *
3.0	1360 *	1351 *	1339 *	1324 *	1314 *	1300 *	1284 *	1268 *	1255 *	1242 *
1.0	1347 *	1337 *	1328 *	1313 *	1303 *	1289 *	1273 *	1258 *	1246 *	1235 *
0.0	1342 *	1331 *	1323 *	1310 *	1301 *	1287 *	1271 *	1257 *	1245 *	1234 *
-1.0	1337 *	1326 *	1319 *	1306 *	1297 *	1283 *	1267 *	1253 *	1241 *	1232 *
-3.0	1331 *	1321 *	1316 *	1304 *	1297 *	1284 *	1269 *	1254 *	1240 *	1227 *
-5.0	1330 *	1320 *	1317 *	1305 *	1297 *	1285 *	1269 *	1253 *	1238 *	1224 *
-7.0	1329 *	1321 *	1317 *	1307 *	1298 *	1288 *	1271 *	1255 *	1240 *	1227 *
-9.0	1329 *	1322 *	1319 *	1311 *	1302 *	1292 *	1277 *	1261 *	1247 *	1234 *
-11.0	1331 *	1322 *	1324 *	1317 *	1309 *	1300 *	1285 *	1270 *	1257 *	1245 *
-13.0	1330 *	1326 *	1328 *	1324 *	1317 *	1310 *	1297 *	1282 *	1269 *	1258 *
-15.0	1325 *	1330 *	1329 *	1332 *	1325 *	1319 *	1309 *	1295 *	1281 *	1271 *
-17.0	1310 *	1326 *	1318 *	1333 *	1330 *	1324 *	1318 *	1303 *	1289 *	1282 *
-19.5	1241 *	1276 *	1245 *	1283 *	1278 *	1289 *	1272 *	1251 *	1257 *	1251 *
-22.5	1157 *	1174 *	1193 *	1206 *	1219 *	1203 *	1211 *	1188 *	1169 *	1168 *
-25.5	1085 *	1086 *	1105 *	1107 *	1125 *	1127 *	1109 *	1117 *	1105 *	1094 *
-29.0	941 *	974 *	1001 *	1014 *	1027 *	1033 *	1030 *	1013 *	996 *	1006 *
-33.0	846 *	845 *	847 *	868 *	864 *	860 *	880 *	897 *	896 *	879 *
-37.5	779 *	803 *	827 *	845 *	861 *	874 *	885 *	894 *	891 *	888 *
-42.5	666 *	689 *	703 *	737 *	757 *	781 *	813 *	836 *	844 *	844 *
-47.5	294 *	308 *	315 *	342 *	364 *	381 *	390 *	384 *	377 *	367 *
-55.0	33	33	33	33	33	33	33	33	33	33
-65.0	3	3	4	4	3	2	2	1	1	0
-75.0	1	1	1	1	1	1	1	1	1	1
-85.0	46	39	31	24	18	17	16	16	15	13
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	78	79	80	79	78	77	77	78	78	78
75.0	878 *	879 *	880 *	879 *	878 *	878 *	879 *	889 *	894 *	893 *
65.0	1854 *	1851 *	1850 *	1851 *	1854 *	1844 *	1831 *	1814 *	1794 *	1772 *

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CANDELA TABULATION - (Cont.)

55.0	2197 *	2194 *	2193 *	2194 *	2197 *	2198 *	2198 *	2200 *	2203 *	2200 *
47.5	2232 *	2231 *	2230 *	2231 *	2232 *	2237 *	2240 *	2244 *	2251 *	2237 *
42.5	2078 *	2076 *	2075 *	2076 *	2078 *	2082 *	2085 *	2091 *	2094 *	2090 *
37.5	1929 *	1924 *	1923 *	1924 *	1929 *	1931 *	1936 *	1944 *	1946 *	1948 *
33.0	1787 *	1784 *	1784 *	1784 *	1787 *	1791 *	1798 *	1806 *	1816 *	1828 *
29.0	1664 *	1659 *	1658 *	1659 *	1664 *	1668 *	1677 *	1687 *	1701 *	1715 *
25.5	1566 *	1559 *	1555 *	1559 *	1566 *	1571 *	1579 *	1592 *	1607 *	1620 *
22.5	1492 *	1486 *	1483 *	1486 *	1492 *	1498 *	1507 *	1520 *	1535 *	1551 *
19.5	1427 *	1422 *	1419 *	1422 *	1427 *	1434 *	1445 *	1458 *	1473 *	1491 *
17.0	1381 *	1376 *	1373 *	1376 *	1381 *	1389 *	1400 *	1412 *	1428 *	1445 *
15.0	1348 *	1343 *	1341 *	1343 *	1348 *	1356 *	1368 *	1380 *	1396 *	1414 *
13.0	1318 *	1315 *	1312 *	1315 *	1318 *	1327 *	1338 *	1351 *	1368 *	1386 *
11.0	1293 *	1290 *	1286 *	1290 *	1293 *	1301 *	1312 *	1326 *	1342 *	1363 *
9.0	1271 *	1267 *	1264 *	1267 *	1271 *	1279 *	1291 *	1304 *	1324 *	1344 *
7.0	1251 *	1247 *	1244 *	1247 *	1251 *	1260 *	1272 *	1290 *	1308 *	1326 *
5.0	1234 *	1227 *	1226 *	1227 *	1234 *	1245 *	1263 *	1278 *	1294 *	1312 *
3.0	1222 *	1214 *	1212 *	1214 *	1222 *	1242 *	1255 *	1268 *	1284 *	1300 *
1.0	1227 *	1212 *	1210 *	1212 *	1227 *	1235 *	1246 *	1258 *	1273 *	1289 *
0.0	1226 *	1216 *	1211 *	1216 *	1226 *	1234 *	1245 *	1257 *	1271 *	1287 *
-1.0	1224 *	1210 *	1208 *	1210 *	1224 *	1232 *	1241 *	1253 *	1267 *	1283 *
-3.0	1214 *	1203 *	1205 *	1203 *	1214 *	1227 *	1240 *	1254 *	1269 *	1284 *
-5.0	1212 *	1205 *	1207 *	1205 *	1212 *	1224 *	1238 *	1253 *	1269 *	1285 *
-7.0	1215 *	1212 *	1213 *	1212 *	1215 *	1227 *	1240 *	1255 *	1271 *	1288 *
-9.0	1224 *	1221 *	1222 *	1221 *	1224 *	1234 *	1247 *	1261 *	1277 *	1292 *
-11.0	1237 *	1233 *	1234 *	1233 *	1237 *	1245 *	1257 *	1270 *	1285 *	1300 *
-13.0	1250 *	1247 *	1248 *	1247 *	1250 *	1258 *	1269 *	1282 *	1297 *	1310 *
-15.0	1263 *	1259 *	1260 *	1259 *	1263 *	1271 *	1281 *	1295 *	1309 *	1319 *
-17.0	1277 *	1272 *	1273 *	1272 *	1277 *	1282 *	1289 *	1303 *	1318 *	1324 *
-19.5	1219 *	1201 *	1203 *	1201 *	1219 *	1251 *	1257 *	1251 *	1272 *	1289 *
-22.5	1173 *	1176 *	1176 *	1176 *	1173 *	1168 *	1169 *	1188 *	1211 *	1203 *
-25.5	1085 *	1079 *	1078 *	1079 *	1085 *	1094 *	1105 *	1117 *	1109 *	1127 *
-29.0	1011 *	1014 *	1014 *	1014 *	1011 *	1006 *	996 *	1013 *	1030 *	1033 *
-33.0	854 *	850 *	849 *	850 *	854 *	879 *	896 *	897 *	880 *	860 *
-37.5	886 *	884 *	884 *	884 *	886 *	888 *	891 *	894 *	885 *	874 *
-42.5	840 *	817 *	805 *	817 *	840 *	844 *	844 *	836 *	813 *	781 *
-47.5	371 *	371 *	371 *	371 *	371 *	367 *	377 *	384 *	390 *	381 *
-55.0	33	32	32	32	33	33	33	33	33	33
-65.0	0	0	0	0	0	0	1	1	2	2
-75.0	1	1	1	1	1	1	1	1	1	1
-85.0	13	13	13	13	13	13	15	16	16	17
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	78	79	81	83	85	87	91	87	77	70
75.0	894 *	917 *	935 *	942 *	906 *	832 *	783 *	694 *	618 *	468 *
65.0	1752 *	1738 *	1729 *	1734 *	1679 *	1573 *	1499 *	1403 *	1234 *	1083 *
55.0	2174 *	2145 *	2106 *	2061 *	2017 *	1956 *	1906 *	1773 *	1714 *	1478 *
47.5	2222 *	2207 *	2183 *	2142 *	2102 *	2050 *	1978 *	1916 *	1811 *	1686 *
42.5	2086 *	2082 *	2061 *	2030 *	1998 *	1964 *	1907 *	1851 *	1777 *	1671 *
37.5	1951 *	1948 *	1938 *	1923 *	1901 *	1872 *	1838 *	1794 *	1728 *	1637 *
33.0	1834 *	1832 *	1829 *	1822 *	1809 *	1791 *	1769 *	1738 *	1690 *	1606 *
29.0	1722 *	1730 *	1735 *	1731 *	1727 *	1721 *	1710 *	1686 *	1652 *	1581 *
25.5	1633 *	1646 *	1652 *	1656 *	1659 *	1660 *	1656 *	1639 *	1616 *	1552 *

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CANDELA TABULATION - (Cont.)

22.5	1567 *	1577 *	1588 *	1599 *	1607 *	1613 *	1609 *	1597 *	1580 *	1522 *
19.5	1505 *	1517 *	1532 *	1546 *	1557 *	1567 *	1566 *	1558 *	1541 *	1493 *
17.0	1459 *	1474 *	1491 *	1509 *	1518 *	1529 *	1533 *	1529 *	1510 *	1468 *
15.0	1430 *	1443 *	1462 *	1479 *	1489 *	1502 *	1509 *	1508 *	1488 *	1448 *
13.0	1403 *	1417 *	1434 *	1450 *	1461 *	1477 *	1487 *	1486 *	1468 *	1428 *
11.0	1381 *	1393 *	1409 *	1425 *	1438 *	1453 *	1465 *	1465 *	1449 *	1408 *
9.0	1360 *	1372 *	1388 *	1404 *	1417 *	1432 *	1443 *	1445 *	1429 *	1389 *
7.0	1341 *	1354 *	1370 *	1385 *	1396 *	1411 *	1423 *	1425 *	1409 *	1369 *
5.0	1327 *	1339 *	1353 *	1368 *	1377 *	1392 *	1404 *	1406 *	1389 *	1348 *
3.0	1314 *	1324 *	1339 *	1351 *	1360 *	1374 *	1385 *	1388 *	1371 *	1326 *
1.0	1303 *	1313 *	1328 *	1337 *	1347 *	1361 *	1370 *	1371 *	1353 *	1301 *
0.0	1301 *	1310 *	1323 *	1331 *	1342 *	1356 *	1363 *	1362 *	1344 *	1289 *
-1.0	1297 *	1306 *	1319 *	1326 *	1337 *	1349 *	1356 *	1356 *	1337 *	1282 *
-3.0	1297 *	1304 *	1316 *	1321 *	1331 *	1337 *	1343 *	1344 *	1322 *	1268 *
-5.0	1297 *	1305 *	1317 *	1320 *	1330 *	1335 *	1338 *	1334 *	1307 *	1252 *
-7.0	1298 *	1307 *	1317 *	1321 *	1329 *	1333 *	1333 *	1325 *	1295 *	1239 *
-9.0	1302 *	1311 *	1319 *	1322 *	1329 *	1331 *	1329 *	1316 *	1282 *	1225 *
-11.0	1309 *	1317 *	1324 *	1322 *	1331 *	1329 *	1325 *	1306 *	1267 *	1209 *
-13.0	1317 *	1324 *	1328 *	1326 *	1330 *	1326 *	1318 *	1290 *	1250 *	1192 *
-15.0	1325 *	1332 *	1329 *	1330 *	1325 *	1323 *	1308 *	1266 *	1222 *	1174 *
-17.0	1330 *	1333 *	1318 *	1326 *	1310 *	1285 *	1295 *	1232 *	1178 *	1153 *
-19.5	1278 *	1283 *	1245 *	1276 *	1241 *	1235 *	1239 *	1177 *	1119 *	1078 *
-22.5	1219 *	1206 *	1193 *	1174 *	1157 *	1156 *	1138 *	1092 *	1038 *	981 *
-25.5	1125 *	1107 *	1105 *	1086 *	1085 *	1058 *	1035 *	997 *	940 *	884 *
-29.0	1027 *	1014 *	1001 *	974 *	941 *	959 *	918 *	876 *	823 *	753 *
-33.0	864 *	868 *	847 *	845 *	846 *	782 *	798 *	736 *	712 *	627 *
-37.5	861 *	845 *	827 *	803 *	779 *	743 *	712 *	642 *	606 *	522 *
-42.5	757 *	737 *	703 *	689 *	666 *	606 *	560 *	488 *	447 *	338 *
-47.5	364 *	342 *	315 *	308 *	294 *	268 *	256 *	240 *	183	139
-55.0	33	33	33	33	33	32	32	31	31	28
-65.0	3	4	4	3	3	4	3	4	3	4
-75.0	1	1	1	1	1	1	1	1	1	1
-85.0	18	24	31	39	46	53	60	58	50	42
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	62	24	10	2	0
75.0	209	44	24	5	0
65.0	762 *	128	34	8	0
55.0	1269 *	557 *	48	10	0
47.5	1423 *	771 *	63	11	0
42.5	1469 *	865 *	100	12	0
37.5	1452 *	936 *	121	12	0
33.0	1440 *	959 *	128	12	0
29.0	1430 *	963 *	139	13	0
25.5	1411 *	967 *	141	13	0
22.5	1395 *	950 *	136	13	0
19.5	1373 *	935 *	127	12	0
17.0	1352 *	921 *	125	12	0
15.0	1336 *	909 *	123	12	0
13.0	1319 *	895 *	119	12	0
11.0	1303 *	880 *	114	12	0
9.0	1286 *	860 *	108	12	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-50-80-HGS.IES

CANDELA TABULATION - (Cont.)

7.0	1268 *	839 *	100	12	0
5.0	1250 *	815 *	93	12	0
3.0	1232 *	793 *	84	11	0
1.0	1211 *	763 *	74	11	0
0.0	1200 *	748 *	69	11	0
-1.0	1190 *	735 *	68	11	0
-3.0	1171 *	708 *	66	11	0
-5.0	1147 *	675 *	64	11	0
-7.0	1122 *	642 *	60	10	0
-9.0	1091 *	607 *	58	10	0
-11.0	1057 *	573 *	55	10	0
-13.0	1020 *	536 *	52	10	0
-15.0	981 *	498 *	50	9	0
-17.0	940 *	459 *	47	9	0
-19.5	884 *	408 *	44	9	0
-22.5	806 *	342 *	41	8	0
-25.5	714 *	277 *	39	8	0
-29.0	614 *	200	35	7	0
-33.0	488 *	119	31	7	0
-37.5	337 *	60	26	6	0
-42.5	148	44	20	5	0
-47.5	53	32	15	4	0
-55.0	25	17	9	3	0
-65.0	4	3	3	2	0
-75.0	1	2	1	1	0
-85.0	38	10	1	0	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-50-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 2683.73

Total Field Lumens (one side of beam only) = 2640.74

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.06	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.14
75	1.46 *	2.91 *	2.90 *	2.89 *	2.90 *	2.91 *	2.89 *	2.87 *	2.88 *	3.64 *
65	4.16 *	8.31 *	8.29 *	8.23 *	8.16 *	8.09 *	7.97 *	7.85 *	7.76 *	9.62 *
55	6.16 *	12.32 *	12.30 *	12.22 *	12.13 *	12.02 *	11.87 *	11.67 *	11.43 *	13.95 *
47.5	5.05 *	10.11 *	10.10 *	10.08 *	10.05 *	10.01 *	9.93 *	9.79 *	9.61 *	11.72 *
42.5	3.28 *	6.56 *	6.56 *	6.55 *	6.53 *	6.51 *	6.46 *	6.38 *	6.29 *	7.71 *
37.5	3.05 *	6.09 *	6.09 *	6.08 *	6.07 *	6.06 *	6.02 *	5.97 *	5.91 *	7.26 *
33	2.54 *	5.08 *	5.09 *	5.08 *	5.08 *	5.07 *	5.05 *	5.03 *	4.98 *	6.14 *
29	2.10 *	4.20 *	4.20 *	4.20 *	4.20 *	4.21 *	4.21 *	4.20 *	4.17 *	5.15 *
25.5	1.71 *	3.44 *	3.44 *	3.44 *	3.45 *	3.46 *	3.46 *	3.46 *	3.45 *	4.28 *
22.5	1.39 *	2.79 *	2.79 *	2.80 *	2.80 *	2.81 *	2.82 *	2.82 *	2.82 *	3.51 *
19.5	1.33 *	2.66 *	2.67 *	2.67 *	2.68 *	2.69 *	2.70 *	2.71 *	2.71 *	3.37 *
17	1.06 *	2.13 *	2.14 *	2.15 *	2.15 *	2.16 *	2.17 *	2.18 *	2.18 *	2.72 *
15	0.83 *	1.66 *	1.66 *	1.67 *	1.68 *	1.68 *	1.69 *	1.70 *	1.70 *	2.12 *
13	0.81 *	1.62 *	1.63 *	1.63 *	1.64 *	1.65 *	1.66 *	1.66 *	1.67 *	2.08 *
11	0.79 *	1.59 *	1.59 *	1.60 *	1.61 *	1.62 *	1.63 *	1.64 *	1.64 *	2.04 *
9	0.78 *	1.56 *	1.56 *	1.57 *	1.58 *	1.59 *	1.60 *	1.61 *	1.61 *	2.01 *
7	0.76 *	1.53 *	1.54 *	1.55 *	1.56 *	1.57 *	1.58 *	1.59 *	1.59 *	1.98 *
5	0.75 *	1.51 *	1.52 *	1.53 *	1.54 *	1.55 *	1.56 *	1.57 *	1.57 *	1.96 *
3	0.74 *	1.49 *	1.50 *	1.52 *	1.53 *	1.54 *	1.55 *	1.55 *	1.55 *	1.94 *
1	0.74 *	1.48 *	1.50 *	1.51 *	1.52 *	1.52 *	1.53 *	1.54 *	1.54 *	1.92 *
0	0.37 *	0.74 *	0.75 *	0.75 *	0.75 *	0.76 *	0.76 *	0.77 *	0.77 *	0.95 *
-1	0.37 *	0.74 *	0.75 *	0.75 *	0.75 *	0.76 *	0.76 *	0.76 *	0.76 *	0.95 *
	0.74 *	1.48 *	1.49 *	1.50 *	1.50 *	1.51 *	1.52 *	1.53 *	1.52 *	1.90 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

-3	0.73 *	1.47 *	1.48 *	1.49 *	1.50 *	1.51 *	1.52 *	1.53 *	1.52 *	1.90 *
-5	0.74 *	1.47 *	1.48 *	1.49 *	1.50 *	1.51 *	1.52 *	1.53 *	1.52 *	1.90 *
-7	0.74 *	1.48 *	1.49 *	1.50 *	1.51 *	1.52 *	1.53 *	1.53 *	1.53 *	1.90 *
-9	0.75 *	1.50 *	1.50 *	1.51 *	1.52 *	1.53 *	1.54 *	1.54 *	1.53 *	1.91 *
-11	0.76 *	1.51 *	1.52 *	1.52 *	1.53 *	1.54 *	1.55 *	1.55 *	1.54 *	1.91 *
-13	0.76 *	1.53 *	1.53 *	1.54 *	1.55 *	1.55 *	1.56 *	1.56 *	1.55 *	1.92 *
-15	0.77 *	1.54 *	1.55 *	1.55 *	1.56 *	1.57 *	1.57 *	1.57 *	1.56 *	1.92 *
-17	0.94 *	1.89 *	1.91 *	1.92 *	1.92 *	1.93 *	1.94 *	1.93 *	1.91 *	2.34 *
-19.5	1.09 *	2.18 *	2.19 *	2.20 *	2.20 *	2.21 *	2.22 *	2.21 *	2.19 *	2.67 *
-22.5	1.03 *	2.06 *	2.06 *	2.06 *	2.07 *	2.08 *	2.08 *	2.07 *	2.05 *	2.50 *
-25.5	1.12 *	2.23 *	2.23 *	2.23 *	2.23 *	2.24 *	2.24 *	2.23 *	2.19 *	2.67 *
-29	1.14 *	2.27 *	2.28 *	2.29 *	2.29 *	2.29 *	2.27 *	2.24 *	2.21 *	2.70 *
-33	1.19 *	2.38 *	2.40 *	2.42 *	2.43 *	2.40 *	2.35 *	2.30 *	2.26 *	2.76 *
-37.5	1.29 *	2.61 *	2.63 *	2.63 *	2.61 *	2.57 *	2.50 *	2.42 *	2.34 *	2.81 *
-42.5	0.90 *	1.83 *	1.84 *	1.84 *	1.84 *	1.82 *	1.76 *	1.69 *	1.61 *	1.90 *
-47.5	0.46	0.92	0.92	0.92	0.94	0.94	0.94	0.90	0.85	0.98
-55	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.13
-65	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02
-75	0.02	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.10
-85	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.05
-90										
Total	55.51	111.17	111.32	111.38	111.39	111.27	110.80	109.93	108.81	134.05

Vert. Angles	Horizontal Angles									
	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.17	0.18	0.20	0.23	0.25	0.24	0.20	0.24	0.16	0.04
85	4.35 *	4.21 *	4.53 *	4.68 *	4.63 *	4.30 *	3.32 *	2.89	1.29	0.27
75	11.39 *	10.98 *	11.82 *	12.24 *	12.25 *	11.52 *	9.16 *	9.01 *	4.35 *	0.60
65	16.27 *	15.63 *	17.12 *	18.10 *	18.41 *	17.86 *	14.83 *	16.40 *	10.33 *	2.00
55	13.58 *	13.03 *	14.44 *	15.45 *	15.89 *	15.78 *	13.50 *	15.69 *	11.47 *	2.81 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

47.5	8.97 *	8.63 *	9.61 *	10.31 *	10.70 *	10.72 *	9.35 *	11.16 *	8.61 *	2.34 *
42.5	8.48 *	8.19 *	9.16 *	9.90 *	10.34 *	10.42 *	9.17 *	11.13 *	8.98 *	2.63 *
37.5	7.21 *	7.00 *	7.86 *	8.54 *	8.99 *	9.12 *	8.07 *	9.86 *	8.19 *	2.51 *
33	6.07 *	5.92 *	6.68 *	7.30 *	7.73 *	7.89 *	7.03 *	8.66 *	7.29 *	2.28 *
29	5.06 *	4.95 *	5.61 *	6.16 *	6.55 *	6.73 *	6.03 *	7.47 *	6.35 *	2.01 *
25.5	4.16 *	4.08 *	4.65 *	5.12 *	5.46 *	5.63 *	5.06 *	6.30 *	5.39 *	1.71 *
22.5	4.01 *	3.95 *	4.51 *	4.98 *	5.31 *	5.49 *	4.95 *	6.20 *	5.31 *	1.68 *
19.5	3.24 *	3.20 *	3.66 *	4.04 *	4.33 *	4.47 *	4.05 *	5.08 *	4.36 *	1.37 *
17	2.53 *	2.50 *	2.86 *	3.17 *	3.40 *	3.52 *	3.18 *	4.00 *	3.44 *	1.08 *
15	2.48 *	2.45 *	2.81 *	3.12 *	3.35 *	3.47 *	3.14 *	3.95 *	3.39 *	1.06 *
13	2.44 *	2.41 *	2.76 *	3.07 *	3.30 *	3.42 *	3.10 *	3.90 *	3.34 *	1.04 *
11	2.40 *	2.37 *	2.72 *	3.02 *	3.26 *	3.38 *	3.05 *	3.85 *	3.29 *	1.02 *
9	2.37 *	2.34 *	2.68 *	2.98 *	3.21 *	3.33 *	3.01 *	3.80 *	3.23 *	0.99 *
7	2.34 *	2.31 *	2.64 *	2.94 *	3.17 *	3.28 *	2.97 *	3.74 *	3.17 *	0.96 *
5	2.31 *	2.28 *	2.61 *	2.90 *	3.12 *	3.24 *	2.93 *	3.68 *	3.11 *	0.93 *
3	2.28 *	2.25 *	2.58 *	2.87 *	3.09 *	3.20 *	2.88 *	3.62 *	3.04 *	0.89 *
1	1.13 *	1.12 *	1.28 *	1.42 *	1.53 *	1.58 *	1.42 *	1.79 *	1.49 *	0.43 *
0	1.13 *	1.11 *	1.28 *	1.42 *	1.52 *	1.57 *	1.41 *	1.77 *	1.47 *	0.42 *
-1	2.25 *	2.22 *	2.54 *	2.81 *	3.02 *	3.13 *	2.80 *	3.51 *	2.89 *	0.82 *
-3	2.25 *	2.21 *	2.53 *	2.79 *	3.00 *	3.09 *	2.77 *	3.46 *	2.81 *	0.79 *
-5	2.25 *	2.21 *	2.52 *	2.79 *	2.98 *	3.07 *	2.74 *	3.40 *	2.73 *	0.75 *
-7	2.25 *	2.21 *	2.52 *	2.78 *	2.97 *	3.04 *	2.71 *	3.34 *	2.63 *	0.71 *
-9	2.26 *	2.21 *	2.52 *	2.77 *	2.95 *	3.02 *	2.68 *	3.27 *	2.53 *	0.67 *
-11	2.26 *	2.22 *	2.52 *	2.77 *	2.93 *	2.98 *	2.65 *	3.20 *	2.42 *	0.63 *
-13	2.27 *	2.22 *	2.51 *	2.75 *	2.90 *	2.93 *	2.60 *	3.12 *	2.31 *	0.59 *
-15	2.26 *	2.21 *	2.48 *	2.72 *	2.85 *	2.86 *	2.54 *	3.04 *	2.19 *	0.55 *
-17	2.75 *	2.69 *	3.00 *	3.30 *	3.46 *	3.43 *	3.05 *	3.62 *	2.56 *	0.62 *
-19.5	3.13 *	3.04 *	3.40 *	3.73 *	3.90 *	3.87 *	3.40 *	4.02 *	2.78 *	0.65

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

-22.5	2.92 *	2.82 *	3.17 *	3.44 *	3.58 *	3.56 *	3.10 *	3.63 *	2.44 *	0.55
-25.5	3.11 *	2.98 *	3.35 *	3.63 *	3.75 *	3.71 *	3.20 *	3.71 *	2.40 *	0.50
-29	3.13 *	3.01 *	3.34 *	3.61 *	3.72 *	3.67 *	3.14 *	3.55 *	2.16 *	0.40
-33	3.19 *	3.07 *	3.36 *	3.57 *	3.64 *	3.54 *	2.99 *	3.17 *	1.72 *	0.28
-37.5	3.22 *	3.06 *	3.31 *	3.42 *	3.36 *	3.18 *	2.57 *	2.40 *	1.12	0.20
-42.5	2.15 *	2.04 *	2.17 *	2.21 *	2.16 *	1.98 *	1.49 *	1.21	0.53	0.14
-47.5	1.10	1.05	1.11	1.15	1.17	1.06	0.77	0.66	0.36	0.14
-55	0.16	0.15	0.17	0.19	0.20	0.20	0.18	0.22	0.19	0.08
-65	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.04	0.04	0.02
-75	0.15	0.18	0.24	0.30	0.34	0.32	0.25	0.29	0.19	0.04
-85	0.07	0.09	0.12	0.15	0.17	0.16	0.12	0.14	0.09	0.01
-90										
Total	157.53	152.99	170.98	184.86	192.85	192.99	167.62	197.18	148.16	40.23

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.01	0.00		3.06
85				
	0.05	0.00		62.78
75				
	0.09	0.00		171.84
65				
	0.13	0.00		263.16
55				
	0.13	0.00		228.20
47.5				
	0.12	0.00		153.36
42.5				
	0.16	0.00		147.15
37.5				
	0.16	0.00		126.66
33				
	0.15	0.00		107.82
29				
	0.14	0.00		90.66
25.5				
	0.12	0.00		75.03
22.5				
	0.11	0.00		72.70
19.5				
	0.09	0.00		58.93
17				
	0.07	0.00		46.16

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

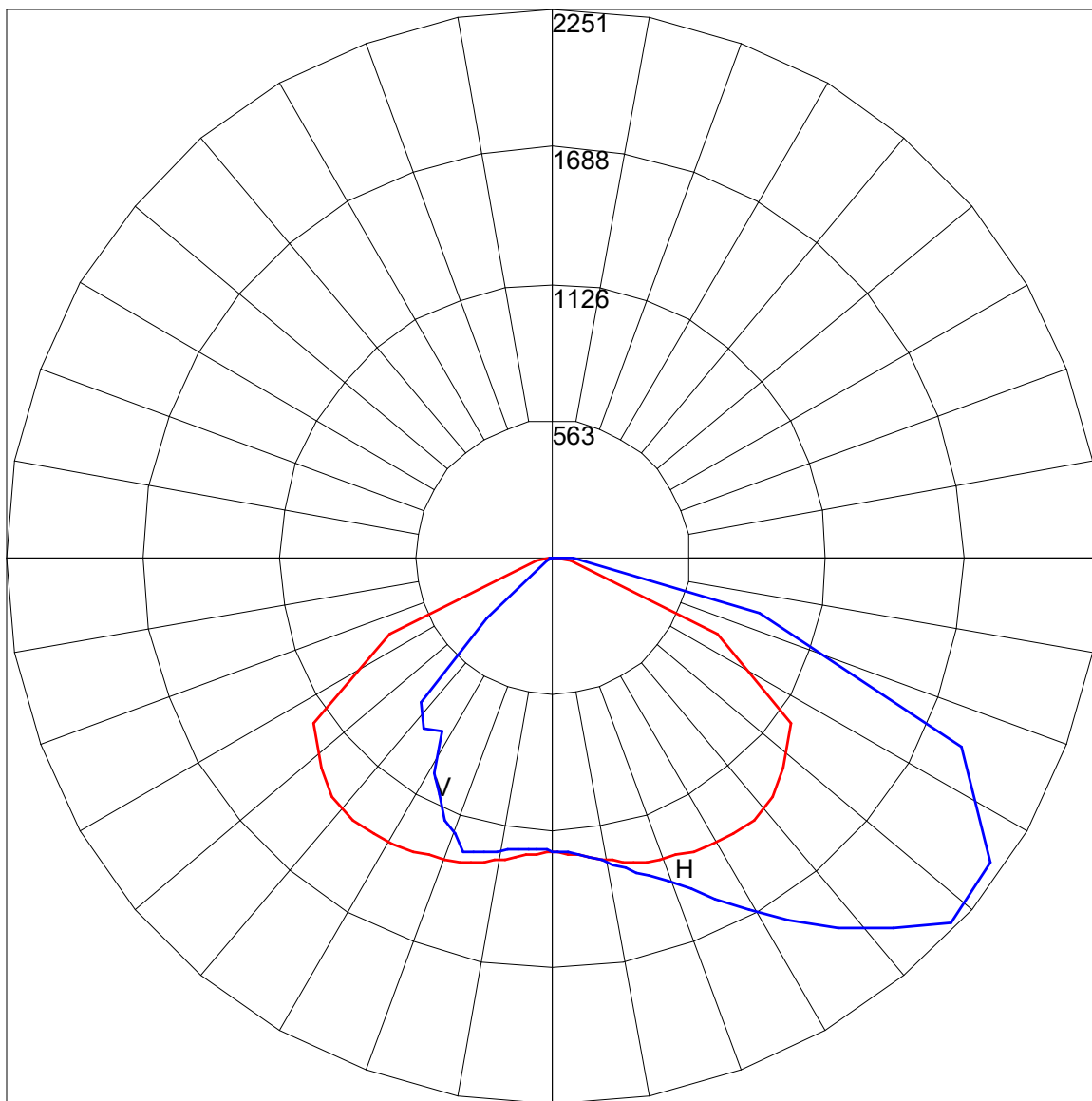
15	0.07	0.00	45.35
13	0.07	0.00	44.60
11	0.06	0.00	43.90
9	0.06	0.00	43.24
7	0.06	0.00	42.63
5	0.05	0.00	42.06
3	0.05	0.00	41.55
1	0.02	0.00	20.59
0	0.02	0.00	20.49
-1	0.04	0.00	40.71
-3	0.04	0.00	40.41
-5	0.04	0.00	40.16
-7	0.04	0.00	39.94
-9	0.04	0.00	39.74
-11	0.03	0.00	39.54
-13	0.03	0.00	39.29
-15	0.03	0.00	38.89
-17	0.04	0.00	47.16
-19.5	0.04	0.00	53.34
-22.5	0.04	0.00	49.29
-25.5	0.04	0.00	52.00
-29	0.04	0.00	51.75
-33	0.04	0.00	51.44
-37.5	0.04	0.00	50.30
-42.5	0.03	0.00	33.13
-47.5	0.03	0.00	17.37
-55	0.02	0.00	2.75
-65	0.01	0.00	0.34

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

-75	0.00	0.00	2.84
-85	0.00	0.00	1.37
-90			
Total	2.68	0.04	2683.73

AXIAL CANDELA DISPLAY

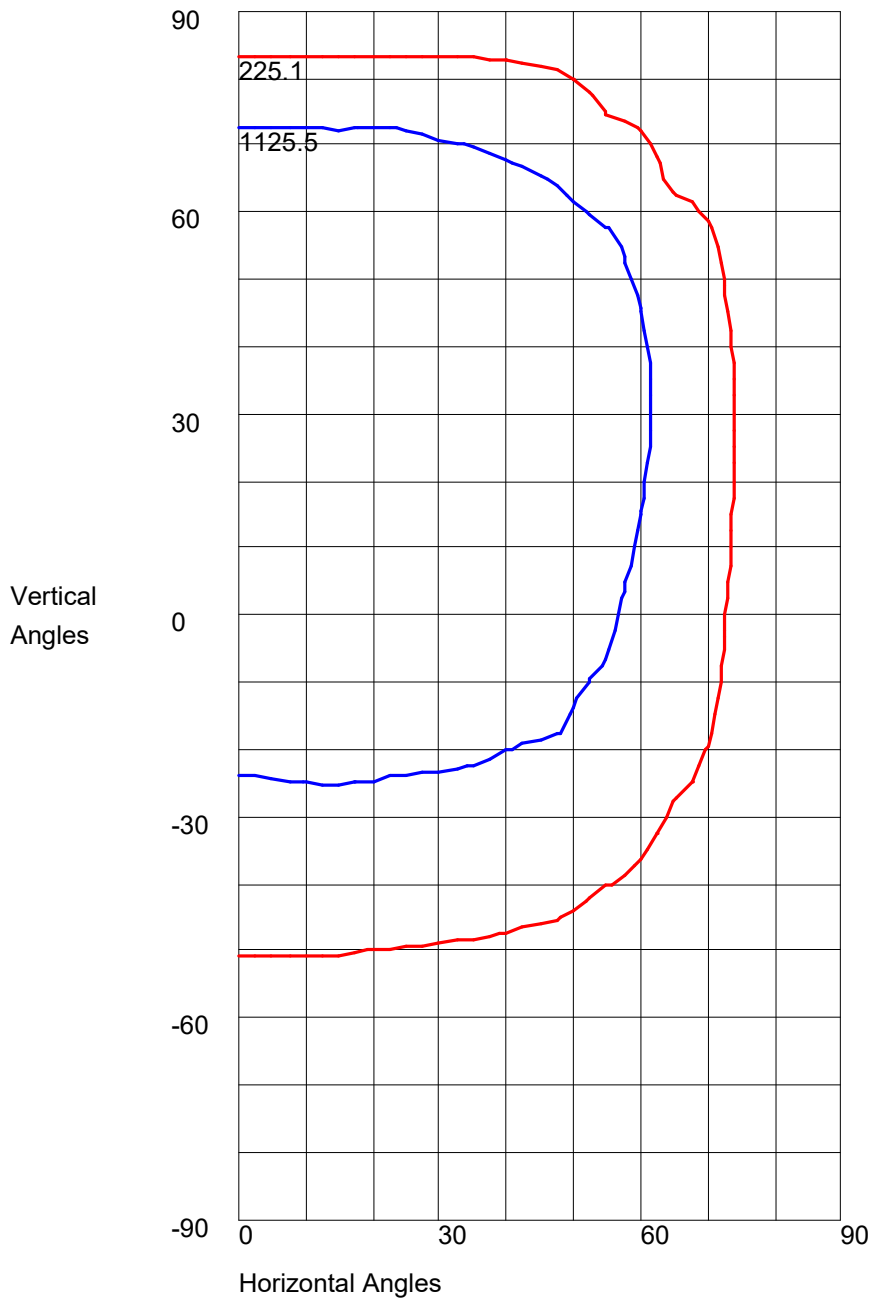


Maximum Candela = 2251 Located At Horizontal Angle = -11, Vertical Angle = 47.5

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 2251 Located At Horizontal Angle = -11, Vertical Angle = 47.5
50% Maximum Candela = 1125.5
10% Maximum Candela = 225.1