



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-40-80-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-40-80-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	2309
Maximum Candela Angle	-11H 47.5V
Horizontal Beam Angle (50%)	119.1
Vertical Beam Angle (50%)	97.5
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	4406
Beam Efficiency	N.A.
Field Lumens	5418
Field Efficiency	N.A.
Spill Lumens	88
Luminaire Lumens	5506
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	82
75	71	75	903
65	767	65	1898
55	1231	55	2250
47.5	1322	47.5	2287
42.5	1379	42.5	2128
37.5	1397	37.5	1973
33	1398	33	1830
29	1391	29	1701
25.5	1377	25.5	1596
22.5	1365	22.5	1521
19.5	1357	19.5	1456
17	1344	17	1409
15	1335	15	1376
13	1321	13	1346
11	1304	11	1320
9	1290	9	1296
7	1277	7	1276
5	1266	5	1258
3	1258	3	1244
1	1248	1	1241
0	1242	0	1242
-1	1248	-1	1239
-3	1258	-3	1236
-5	1266	-5	1238
-7	1277	-7	1244
-9	1290	-9	1254
-11	1304	-11	1266
-13	1321	-13	1280
-15	1335	-15	1292
-17	1344	-17	1306
-19.5	1357	-19.5	1235
-22.5	1365	-22.5	1206
-25.5	1377	-25.5	1106
-29	1391	-29	1040
-33	1398	-33	871
-37.5	1397	-37.5	907
-42.5	1379	-42.5	826
-47.5	1322	-47.5	381
-55	1231	-55	33
-65	767	-65	0
-75	71	-75	1
-85	11	-85	13
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 2309

Beam Edge = 1154.5 Cd (50% of Max.)

Field Edge = 230.9 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	25	64	72	80	90	93	89
75.0	0	5	25	45	214	480 *	633 *	712 *	804 *	854 *
65.0	0	8	35	132	781 *	1111 *	1265 *	1439 *	1538 *	1614 *
55.0	0	10	50	572 *	1302 *	1516 *	1758 *	1819 *	1955 *	2006 *
47.5	0	11	65	791 *	1459 *	1730 *	1858 *	1965 *	2029 *	2103 *
42.5	0	12	103	888 *	1507 *	1714 *	1823 *	1899 *	1956 *	2014 *
37.5	0	12	124	960 *	1489 *	1679 *	1772 *	1840 *	1886 *	1921 *
33.0	0	12	131	984 *	1477 *	1647 *	1734 *	1784 *	1815 *	1837 *
29.0	0	13	143	987 *	1466 *	1622 *	1695 *	1729 *	1754 *	1765 *
25.5	0	13	144	991 *	1448 *	1593 *	1658 *	1681 *	1699 *	1703 *
22.5	0	13	140	974 *	1431 *	1562 *	1621 *	1638 *	1651 *	1654 *
19.5	0	12	131	959 *	1408 *	1532 *	1581 *	1598 *	1607 *	1607 *
17.0	0	12	129	945 *	1387 *	1506 *	1549 *	1569 *	1573 *	1568 *
15.0	0	12	126	932 *	1370 *	1486 *	1526 *	1546 *	1548 *	1541 *
13.0	0	12	122	918 *	1354 *	1465 *	1506 *	1525 *	1525 *	1515 *
11.0	0	12	117	902 *	1336 *	1445 *	1486 *	1503 *	1503 *	1491 *
9.0	0	12	111	882 *	1319 *	1424 *	1466 *	1482 *	1481 *	1469 *
7.0	0	12	103	860 *	1301 *	1404 *	1446 *	1462 *	1460 *	1448 *
5.0	0	12	96	836 *	1282 *	1383 *	1425 *	1442 *	1440 *	1428 *
3.0	0	11	86	813 *	1264 *	1360 *	1407 *	1423 *	1421 *	1409 *
1.0	0	11	76	782 *	1242 *	1335 *	1388 *	1406 *	1405 *	1396 *
0.0	0	11	71	767 *	1231 *	1322 *	1379 *	1397 *	1398 *	1391 *
-1.0	0	11	70	753 *	1221 *	1315 *	1372 *	1391 *	1391 *	1384 *
-3.0	0	11	68	726 *	1202 *	1301 *	1357 *	1379 *	1378 *	1372 *
-5.0	0	11	65	692 *	1176 *	1284 *	1341 *	1369 *	1373 *	1370 *
-7.0	0	10	62	658 *	1151 *	1271 *	1329 *	1359 *	1368 *	1367 *
-9.0	0	10	59	623 *	1119 *	1256 *	1315 *	1350 *	1363 *	1365 *
-11.0	0	10	56	588 *	1084 *	1241 *	1300 *	1339 *	1359 *	1363 *
-13.0	0	10	54	549 *	1047 *	1223 *	1282 *	1323 *	1352 *	1360 *
-15.0	0	9	51	511 *	1007 *	1204 *	1253 *	1298 *	1342 *	1357 *
-17.0	0	9	48	471 *	964 *	1183 *	1209 *	1263 *	1328 *	1319 *
-19.5	0	9	45	418 *	908 *	1106 *	1148 *	1207 *	1271 *	1267 *
-22.5	0	8	42	351 *	828 *	1006 *	1064 *	1120 *	1167 *	1186 *
-25.5	0	8	40	284 *	733 *	907 *	965 *	1023 *	1062 *	1086 *
-29.0	0	7	36	205	630 *	772 *	845 *	898 *	942 *	984 *
-33.0	0	7	32	122	500 *	644 *	730 *	755 *	819 *	803 *
-37.5	0	6	27	62	346 *	536 *	622 *	658 *	731 *	762 *
-42.5	0	5	21	46	152	346 *	458 *	501 *	574 *	621 *
-47.5	0	4	15	33	55	142	187	245 *	262 *	275 *
-55.0	0	3	9	18	26	29	32	32	33	33
-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	39	43	51	60	62	54
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	-22.5	-19.5	-17.0	-15.0	-13.0	-11.0	-9.0	-7.0	-5.0
90.0	0	0	0	0	0	0	0	0	0	0
85.0	87	85	83	81	80	80	80	80	79	79
75.0	930 *	967 *	959 *	940 *	917 *	915 *	917 *	912 *	902 *	902 *
65.0	1722 *	1779 *	1773 *	1783 *	1797 *	1818 *	1841 *	1861 *	1878 *	1892 *
55.0	2069 *	2114 *	2161 *	2201 *	2230 *	2257 *	2261 *	2257 *	2255 *	2255 *
47.5	2156 *	2197 *	2239 *	2263 *	2279 *	2295 *	2309 *	2302 *	2298 *	2295 *
42.5	2050 *	2082 *	2114 *	2135 *	2139 *	2144 *	2148 *	2145 *	2139 *	2136 *
37.5	1950 *	1973 *	1988 *	1998 *	2001 *	1998 *	1996 *	1993 *	1986 *	1981 *
33.0	1856 *	1869 *	1877 *	1880 *	1882 *	1875 *	1863 *	1853 *	1844 *	1837 *
29.0	1772 *	1776 *	1780 *	1774 *	1767 *	1759 *	1744 *	1730 *	1720 *	1712 *
25.5	1702 *	1699 *	1695 *	1688 *	1675 *	1662 *	1648 *	1633 *	1621 *	1611 *
22.5	1648 *	1640 *	1629 *	1618 *	1608 *	1591 *	1575 *	1560 *	1546 *	1536 *
19.5	1597 *	1586 *	1572 *	1556 *	1544 *	1530 *	1511 *	1496 *	1482 *	1471 *
17.0	1558 *	1548 *	1530 *	1512 *	1497 *	1482 *	1465 *	1449 *	1436 *	1425 *
15.0	1528 *	1517 *	1500 *	1480 *	1467 *	1450 *	1432 *	1416 *	1404 *	1391 *
13.0	1499 *	1488 *	1471 *	1454 *	1439 *	1422 *	1403 *	1386 *	1373 *	1362 *
11.0	1475 *	1462 *	1446 *	1429 *	1416 *	1398 *	1376 *	1360 *	1347 *	1335 *
9.0	1453 *	1440 *	1424 *	1407 *	1395 *	1378 *	1358 *	1338 *	1324 *	1312 *
7.0	1432 *	1421 *	1405 *	1389 *	1376 *	1360 *	1342 *	1324 *	1305 *	1293 *
5.0	1413 *	1403 *	1388 *	1373 *	1361 *	1345 *	1327 *	1311 *	1296 *	1277 *
3.0	1395 *	1386 *	1373 *	1358 *	1348 *	1333 *	1317 *	1301 *	1287 *	1274 *
1.0	1382 *	1371 *	1362 *	1347 *	1337 *	1322 *	1306 *	1291 *	1278 *	1267 *
0.0	1377 *	1365 *	1357 *	1344 *	1335 *	1321 *	1304 *	1290 *	1277 *	1266 *
-1.0	1372 *	1360 *	1353 *	1340 *	1331 *	1316 *	1299 *	1285 *	1273 *	1264 *
-3.0	1365 *	1355 *	1350 *	1338 *	1330 *	1317 *	1302 *	1286 *	1272 *	1259 *
-5.0	1364 *	1354 *	1351 *	1339 *	1331 *	1318 *	1302 *	1285 *	1270 *	1256 *
-7.0	1363 *	1355 *	1351 *	1341 *	1331 *	1321 *	1304 *	1287 *	1272 *	1259 *
-9.0	1363 *	1356 *	1353 *	1345 *	1336 *	1326 *	1310 *	1293 *	1279 *	1266 *
-11.0	1365 *	1356 *	1358 *	1351 *	1343 *	1334 *	1319 *	1303 *	1289 *	1277 *
-13.0	1364 *	1360 *	1362 *	1358 *	1351 *	1344 *	1331 *	1315 *	1302 *	1290 *
-15.0	1359 *	1364 *	1363 *	1366 *	1359 *	1353 *	1342 *	1328 *	1314 *	1304 *
-17.0	1343 *	1360 *	1351 *	1367 *	1364 *	1358 *	1352 *	1337 *	1322 *	1315 *
-19.5	1273 *	1309 *	1277 *	1316 *	1310 *	1322 *	1305 *	1283 *	1290 *	1283 *
-22.5	1187 *	1204 *	1223 *	1237 *	1250 *	1234 *	1242 *	1219 *	1199 *	1198 *
-25.5	1113 *	1114 *	1134 *	1135 *	1154 *	1156 *	1138 *	1145 *	1133 *	1122 *
-29.0	965 *	1000 *	1027 *	1040 *	1054 *	1060 *	1057 *	1038 *	1022 *	1032 *
-33.0	868 *	867 *	869 *	891 *	886 *	882 *	902 *	920 *	919 *	902 *
-37.5	799 *	823 *	848 *	867 *	883 *	896 *	908 *	917 *	914 *	911 *
-42.5	684 *	706 *	721 *	756 *	776 *	801 *	834 *	858 *	866 *	866 *
-47.5	302 *	316 *	324 *	351 *	374 *	391 *	400 *	394 *	387 *	376 *
-55.0	34	34	34	34	34	34	34	34	34	34
-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	47	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									
	-3.0	-1.0	0.0	1.0	3.0	5.0	7.0	9.0	11.0	13.0
90.0	0	0	0	0	0	0	0	0	0	0
85.0	80	81	82	81	80	79	79	80	80	80
75.0	901 *	902 *	903 *	902 *	901 *	902 *	902 *	912 *	917 *	915 *
65.0	1902 *	1899 *	1898 *	1899 *	1902 *	1892 *	1878 *	1861 *	1841 *	1818 *

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CANDELA TABULATION - (Cont.)

55.0	2254 *	2251 *	2250 *	2251 *	2254 *	2255 *	2255 *	2257 *	2261 *	2257 *
47.5	2290 *	2288 *	2287 *	2288 *	2290 *	2295 *	2298 *	2302 *	2309 *	2295 *
42.5	2132 *	2129 *	2128 *	2129 *	2132 *	2136 *	2139 *	2145 *	2148 *	2144 *
37.5	1979 *	1974 *	1973 *	1974 *	1979 *	1981 *	1986 *	1993 *	1996 *	1998 *
33.0	1834 *	1830 *	1830 *	1830 *	1834 *	1837 *	1844 *	1853 *	1863 *	1875 *
29.0	1707 *	1702 *	1701 *	1702 *	1707 *	1712 *	1720 *	1730 *	1744 *	1759 *
25.5	1606 *	1600 *	1596 *	1600 *	1606 *	1611 *	1621 *	1633 *	1648 *	1662 *
22.5	1531 *	1524 *	1521 *	1524 *	1531 *	1536 *	1546 *	1560 *	1575 *	1591 *
19.5	1464 *	1459 *	1456 *	1459 *	1464 *	1471 *	1482 *	1496 *	1511 *	1530 *
17.0	1417 *	1412 *	1409 *	1412 *	1417 *	1425 *	1436 *	1449 *	1465 *	1482 *
15.0	1383 *	1378 *	1376 *	1378 *	1383 *	1391 *	1404 *	1416 *	1432 *	1450 *
13.0	1353 *	1350 *	1346 *	1350 *	1353 *	1362 *	1373 *	1386 *	1403 *	1422 *
11.0	1326 *	1323 *	1320 *	1323 *	1326 *	1335 *	1347 *	1360 *	1376 *	1398 *
9.0	1303 *	1300 *	1296 *	1300 *	1303 *	1312 *	1324 *	1338 *	1358 *	1378 *
7.0	1283 *	1279 *	1276 *	1279 *	1283 *	1293 *	1305 *	1324 *	1342 *	1360 *
5.0	1266 *	1259 *	1258 *	1259 *	1266 *	1277 *	1296 *	1311 *	1327 *	1345 *
3.0	1254 *	1246 *	1244 *	1246 *	1254 *	1274 *	1287 *	1301 *	1317 *	1333 *
1.0	1259 *	1243 *	1241 *	1243 *	1259 *	1267 *	1278 *	1291 *	1306 *	1322 *
0.0	1258 *	1248 *	1242 *	1248 *	1258 *	1266 *	1277 *	1290 *	1304 *	1321 *
-1.0	1256 *	1241 *	1239 *	1241 *	1256 *	1264 *	1273 *	1285 *	1299 *	1316 *
-3.0	1245 *	1234 *	1236 *	1234 *	1245 *	1259 *	1272 *	1286 *	1302 *	1317 *
-5.0	1243 *	1236 *	1238 *	1236 *	1243 *	1256 *	1270 *	1285 *	1302 *	1318 *
-7.0	1246 *	1243 *	1244 *	1243 *	1246 *	1259 *	1272 *	1287 *	1304 *	1321 *
-9.0	1256 *	1253 *	1254 *	1253 *	1256 *	1266 *	1279 *	1293 *	1310 *	1326 *
-11.0	1269 *	1265 *	1266 *	1265 *	1269 *	1277 *	1289 *	1303 *	1319 *	1334 *
-13.0	1282 *	1279 *	1280 *	1279 *	1282 *	1290 *	1302 *	1315 *	1331 *	1344 *
-15.0	1296 *	1291 *	1292 *	1291 *	1296 *	1304 *	1314 *	1328 *	1342 *	1353 *
-17.0	1310 *	1305 *	1306 *	1305 *	1310 *	1315 *	1322 *	1337 *	1352 *	1358 *
-19.5	1250 *	1232 *	1235 *	1232 *	1250 *	1283 *	1290 *	1283 *	1305 *	1322 *
-22.5	1203 *	1206 *	1206 *	1206 *	1203 *	1198 *	1199 *	1219 *	1242 *	1234 *
-25.5	1113 *	1107 *	1106 *	1107 *	1113 *	1122 *	1133 *	1145 *	1138 *	1156 *
-29.0	1037 *	1040 *	1040 *	1040 *	1037 *	1032 *	1022 *	1038 *	1057 *	1060 *
-33.0	877 *	872 *	871 *	872 *	877 *	902 *	919 *	920 *	902 *	882 *
-37.5	909 *	907 *	907 *	907 *	909 *	911 *	914 *	917 *	908 *	896 *
-42.5	862 *	838 *	826 *	838 *	862 *	866 *	866 *	858 *	834 *	801 *
-47.5	381 *	381 *	381 *	381 *	381 *	376 *	387 *	394 *	400 *	391 *
-55.0	34	33	33	33	34	34	34	34	34	34
-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	80	81	83	85	87	89	93	90	80	72
75.0	917 *	940 *	959 *	967 *	930 *	854 *	804 *	712 *	633 *	480 *
65.0	1797 *	1783 *	1773 *	1779 *	1722 *	1614 *	1538 *	1439 *	1265 *	1111 *
55.0	2230 *	2201 *	2161 *	2114 *	2069 *	2006 *	1955 *	1819 *	1758 *	1516 *
47.5	2279 *	2263 *	2239 *	2197 *	2156 *	2103 *	2029 *	1965 *	1858 *	1730 *
42.5	2139 *	2135 *	2114 *	2082 *	2050 *	2014 *	1956 *	1899 *	1823 *	1714 *
37.5	2001 *	1998 *	1988 *	1973 *	1950 *	1921 *	1886 *	1840 *	1772 *	1679 *
33.0	1882 *	1880 *	1877 *	1869 *	1856 *	1837 *	1815 *	1784 *	1734 *	1647 *
29.0	1767 *	1774 *	1780 *	1776 *	1772 *	1765 *	1754 *	1729 *	1695 *	1622 *
25.5	1675 *	1688 *	1695 *	1699 *	1702 *	1703 *	1699 *	1681 *	1658 *	1593 *

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CANDELA TABULATION - (Cont.)

22.5	1608 *	1618 *	1629 *	1640 *	1648 *	1654 *	1651 *	1638 *	1621 *	1562 *
19.5	1544 *	1556 *	1572 *	1586 *	1597 *	1607 *	1607 *	1598 *	1581 *	1532 *
17.0	1497 *	1512 *	1530 *	1548 *	1558 *	1568 *	1573 *	1569 *	1549 *	1506 *
15.0	1467 *	1480 *	1500 *	1517 *	1528 *	1541 *	1548 *	1546 *	1526 *	1486 *
13.0	1439 *	1454 *	1471 *	1488 *	1499 *	1515 *	1525 *	1525 *	1506 *	1465 *
11.0	1416 *	1429 *	1446 *	1462 *	1475 *	1491 *	1503 *	1503 *	1486 *	1445 *
9.0	1395 *	1407 *	1424 *	1440 *	1453 *	1469 *	1481 *	1482 *	1466 *	1424 *
7.0	1376 *	1389 *	1405 *	1421 *	1432 *	1448 *	1460 *	1462 *	1446 *	1404 *
5.0	1361 *	1373 *	1388 *	1403 *	1413 *	1428 *	1440 *	1442 *	1425 *	1383 *
3.0	1348 *	1358 *	1373 *	1386 *	1395 *	1409 *	1421 *	1423 *	1407 *	1360 *
1.0	1337 *	1347 *	1362 *	1371 *	1382 *	1396 *	1405 *	1406 *	1388 *	1335 *
0.0	1335 *	1344 *	1357 *	1365 *	1377 *	1391 *	1398 *	1397 *	1379 *	1322 *
-1.0	1331 *	1340 *	1353 *	1360 *	1372 *	1384 *	1391 *	1391 *	1372 *	1315 *
-3.0	1330 *	1338 *	1350 *	1355 *	1365 *	1372 *	1378 *	1379 *	1357 *	1301 *
-5.0	1331 *	1339 *	1351 *	1354 *	1364 *	1370 *	1373 *	1369 *	1341 *	1284 *
-7.0	1331 *	1341 *	1351 *	1355 *	1363 *	1367 *	1368 *	1359 *	1329 *	1271 *
-9.0	1336 *	1345 *	1353 *	1356 *	1363 *	1365 *	1363 *	1350 *	1315 *	1256 *
-11.0	1343 *	1351 *	1358 *	1356 *	1365 *	1363 *	1359 *	1339 *	1300 *	1241 *
-13.0	1351 *	1358 *	1362 *	1360 *	1364 *	1360 *	1352 *	1323 *	1282 *	1223 *
-15.0	1359 *	1366 *	1363 *	1364 *	1359 *	1357 *	1342 *	1298 *	1253 *	1204 *
-17.0	1364 *	1367 *	1351 *	1360 *	1343 *	1319 *	1328 *	1263 *	1209 *	1183 *
-19.5	1310 *	1316 *	1277 *	1309 *	1273 *	1267 *	1271 *	1207 *	1148 *	1106 *
-22.5	1250 *	1237 *	1223 *	1204 *	1187 *	1186 *	1167 *	1120 *	1064 *	1006 *
-25.5	1154 *	1135 *	1134 *	1114 *	1113 *	1086 *	1062 *	1023 *	965 *	907 *
-29.0	1054 *	1040 *	1027 *	1000 *	965 *	984 *	942 *	898 *	845 *	772 *
-33.0	886 *	891 *	869 *	867 *	868 *	803 *	819 *	755 *	730 *	644 *
-37.5	883 *	867 *	848 *	823 *	799 *	762 *	731 *	658 *	622 *	536 *
-42.5	776 *	756 *	721 *	706 *	684 *	621 *	574 *	501 *	458 *	346 *
-47.5	374 *	351 *	324 *	316 *	302 *	275 *	262 *	245 *	187	142
-55.0	34	34	34	34	34	33	33	32	32	29
-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	47	54	62	60	51	43
-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	64	25	10	2	0
75.0	214	45	25	5	0
65.0	781 *	132	35	8	0
55.0	1302 *	572 *	50	10	0
47.5	1459 *	791 *	65	11	0
42.5	1507 *	888 *	103	12	0
37.5	1489 *	960 *	124	12	0
33.0	1477 *	984 *	131	12	0
29.0	1466 *	987 *	143	13	0
25.5	1448 *	991 *	144	13	0
22.5	1431 *	974 *	140	13	0
19.5	1408 *	959 *	131	12	0
17.0	1387 *	945 *	129	12	0
15.0	1370 *	932 *	126	12	0
13.0	1354 *	918 *	122	12	0
11.0	1336 *	902 *	117	12	0
9.0	1319 *	882 *	111	12	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-40-80-HGS.IES

CANDELA TABULATION - (Cont.)

7.0	1301 *	860 *	103	12	0
5.0	1282 *	836 *	96	12	0
3.0	1264 *	813 *	86	11	0
1.0	1242 *	782 *	76	11	0
0.0	1231 *	767 *	71	11	0
-1.0	1221 *	753 *	70	11	0
-3.0	1202 *	726 *	68	11	0
-5.0	1176 *	692 *	65	11	0
-7.0	1151 *	658 *	62	10	0
-9.0	1119 *	623 *	59	10	0
-11.0	1084 *	588 *	56	10	0
-13.0	1047 *	549 *	54	10	0
-15.0	1007 *	511 *	51	9	0
-17.0	964 *	471 *	48	9	0
-19.5	908 *	418 *	45	9	0
-22.5	828 *	351 *	42	8	0
-25.5	733 *	284 *	40	8	0
-29.0	630 *	205	36	7	0
-33.0	500 *	122	32	7	0
-37.5	346 *	62	27	6	0
-42.5	152	46	21	5	0
-47.5	55	33	15	4	0
-55.0	26	18	9	3	0
-65.0	4	3	3	2	0
-75.0	1	2	1	1	0
-85.0	39	10	1	0	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-40-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 2753.04

Total Field Lumens (one side of beam only) = 2708.93

* 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	0.12	0.15
75	1.50 *	2.99 *	2.98 *	2.97 *	2.98 *	2.98 *	2.97 *	2.94 *	2.95 *	3.73 *
65	4.27 *	8.53 *	8.50 *	8.44 *	8.37 *	8.30 *	8.18 *	8.05 *	7.96 *	9.86 *
55	6.32 *	12.64 *	12.61 *	12.54 *	12.44 *	12.33 *	12.18 *	11.97 *	11.73 *	14.32 *
47.5	5.18 *	10.37 *	10.36 *	10.34 *	10.31 *	10.27 *	10.19 *	10.04 *	9.85 *	12.02 *
42.5	3.36 *	6.73 *	6.73 *	6.72 *	6.70 *	6.68 *	6.63 *	6.54 *	6.45 *	7.91 *
37.5	3.12 *	6.25 *	6.25 *	6.24 *	6.23 *	6.21 *	6.17 *	6.12 *	6.06 *	7.44 *
33	2.61 *	5.22 *	5.22 *	5.21 *	5.21 *	5.20 *	5.18 *	5.16 *	5.11 *	6.30 *
29	2.15 *	4.31 *	4.31 *	4.31 *	4.31 *	4.31 *	4.31 *	4.31 *	4.28 *	5.29 *
25.5	1.76 *	3.52 *	3.53 *	3.53 *	3.54 *	3.55 *	3.55 *	3.55 *	3.54 *	4.39 *
22.5	1.43 *	2.86 *	2.86 *	2.87 *	2.88 *	2.89 *	2.89 *	2.90 *	2.89 *	3.60 *
19.5	1.36 *	2.73 *	2.74 *	2.74 *	2.75 *	2.76 *	2.77 *	2.78 *	2.78 *	3.46 *
17	1.09 *	2.19 *	2.19 *	2.20 *	2.21 *	2.22 *	2.23 *	2.24 *	2.24 *	2.79 *
15	0.85 *	1.70 *	1.71 *	1.71 *	1.72 *	1.73 *	1.74 *	1.74 *	1.74 *	2.18 *
13	0.83 *	1.66 *	1.67 *	1.68 *	1.68 *	1.69 *	1.70 *	1.71 *	1.71 *	2.14 *
11	0.81 *	1.63 *	1.63 *	1.64 *	1.65 *	1.66 *	1.67 *	1.68 *	1.68 *	2.10 *
9	0.80 *	1.60 *	1.60 *	1.61 *	1.62 *	1.63 *	1.64 *	1.65 *	1.65 *	2.06 *
7	0.78 *	1.57 *	1.58 *	1.59 *	1.60 *	1.61 *	1.62 *	1.63 *	1.63 *	2.03 *
5	0.77 *	1.55 *	1.56 *	1.57 *	1.58 *	1.59 *	1.60 *	1.61 *	1.61 *	2.01 *
3	0.76 *	1.53 *	1.54 *	1.56 *	1.57 *	1.58 *	1.59 *	1.59 *	1.59 *	1.99 *
1	0.76 *	1.52 *	1.54 *	1.55 *	1.56 *	1.56 *	1.57 *	1.58 *	1.58 *	1.97 *
0	0.38 *	0.76 *	0.77 *	0.77 *	0.77 *	0.78 *	0.78 *	0.79 *	0.79 *	0.98 *
-1	0.38 *	0.76 *	0.77 *	0.77 *	0.77 *	0.78 *	0.78 *	0.78 *	0.78 *	0.98 *
	0.75 *	1.51 *	1.53 *	1.54 *	1.54 *	1.55 *	1.56 *	1.56 *	1.56 *	1.95 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	0.75 *	1.51 *	1.52 *	1.53 *	1.54 *	1.55 *	1.56 *	1.57 *	1.56 *	1.94 *
-5	0.76 *	1.51 *	1.52 *	1.53 *	1.54 *	1.55 *	1.56 *	1.57 *	1.56 *	1.95 *
-7	0.76 *	1.52 *	1.53 *	1.54 *	1.55 *	1.56 *	1.57 *	1.57 *	1.57 *	1.95 *
-9	0.77 *	1.54 *	1.54 *	1.55 *	1.56 *	1.57 *	1.58 *	1.58 *	1.57 *	1.96 *
-11	0.78 *	1.55 *	1.56 *	1.56 *	1.57 *	1.58 *	1.59 *	1.59 *	1.58 *	1.96 *
-13	0.78 *	1.57 *	1.57 *	1.58 *	1.59 *	1.59 *	1.60 *	1.60 *	1.59 *	1.97 *
-15	0.79 *	1.58 *	1.59 *	1.59 *	1.60 *	1.61 *	1.61 *	1.61 *	1.60 *	1.97 *
-17	0.97 *	1.94 *	1.96 *	1.97 *	1.97 *	1.98 *	1.99 *	1.98 *	1.96 *	2.40 *
-19.5	1.11 *	2.23 *	2.25 *	2.26 *	2.26 *	2.27 *	2.28 *	2.27 *	2.25 *	2.74 *
-22.5	1.06 *	2.11 *	2.11 *	2.11 *	2.12 *	2.13 *	2.13 *	2.13 *	2.10 *	2.56 *
-25.5	1.14 *	2.29 *	2.29 *	2.28 *	2.29 *	2.30 *	2.30 *	2.29 *	2.25 *	2.74 *
-29	1.16 *	2.33 *	2.34 *	2.35 *	2.35 *	2.35 *	2.32 *	2.29 *	2.27 *	2.77 *
-33	1.22 *	2.44 *	2.46 *	2.49 *	2.49 *	2.46 *	2.41 *	2.36 *	2.32 *	2.83 *
-37.5	1.32 *	2.68 *	2.70 *	2.69 *	2.68 *	2.64 *	2.56 *	2.48 *	2.40 *	2.89 *
-42.5	0.92 *	1.87 *	1.89 *	1.89 *	1.89 *	1.86 *	1.81 *	1.73 *	1.65 *	1.95 *
-47.5	0.47	0.95	0.94	0.94	0.96	0.97	0.96	0.92	0.87	1.01
-55	0.05	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.14
-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	56.95	114.05	114.21	114.26	114.26	114.14	113.65	112.75	111.61	137.51

Vert. Horizontal Angles

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.18	0.18	0.21	0.24	0.26	0.25	0.20	0.24	0.17	0.05
85	4.47 *	4.32 *	4.64 *	4.80 *	4.75 *	4.42 *	3.40 *	2.97	1.32	0.27
75	11.68 *	11.26 *	12.13 *	12.56 *	12.57 *	11.81 *	9.39 *	9.24 *	4.46 *	0.62
65	16.69 *	16.04 *	17.56 *	18.57 *	18.89 *	18.32 *	15.21 *	16.83 *	10.60 *	2.05
55	13.93 *	13.36 *	14.81 *	15.85 *	16.30 *	16.18 *	13.85 *	16.09 *	11.76 *	2.88 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

47.5	9.20 *	8.85 *	9.86 *	10.58 *	10.98 *	11.00 *	9.59 *	11.45 *	8.83 *	2.40 *
42.5	8.70 *	8.40 *	9.40 *	10.15 *	10.61 *	10.69 *	9.40 *	11.41 *	9.21 *	2.70 *
37.5	7.40 *	7.18 *	8.06 *	8.76 *	9.22 *	9.36 *	8.28 *	10.12 *	8.40 *	2.57 *
33	6.23 *	6.07 *	6.85 *	7.49 *	7.93 *	8.10 *	7.21 *	8.88 *	7.47 *	2.34 *
29	5.19 *	5.08 *	5.76 *	6.32 *	6.72 *	6.90 *	6.19 *	7.66 *	6.51 *	2.06 *
25.5	4.26 *	4.19 *	4.77 *	5.25 *	5.60 *	5.77 *	5.20 *	6.47 *	5.53 *	1.76 *
22.5	4.11 *	4.05 *	4.62 *	5.11 *	5.45 *	5.63 *	5.08 *	6.36 *	5.44 *	1.72 *
19.5	3.32 *	3.28 *	3.75 *	4.15 *	4.44 *	4.59 *	4.15 *	5.21 *	4.47 *	1.41 *
17	2.60 *	2.57 *	2.94 *	3.25 *	3.49 *	3.61 *	3.27 *	4.11 *	3.52 *	1.11 *
15	2.55 *	2.52 *	2.88 *	3.20 *	3.44 *	3.56 *	3.22 *	4.05 *	3.48 *	1.09 *
13	2.50 *	2.47 *	2.83 *	3.15 *	3.39 *	3.51 *	3.18 *	4.00 *	3.43 *	1.07 *
11	2.46 *	2.43 *	2.79 *	3.10 *	3.34 *	3.46 *	3.13 *	3.95 *	3.38 *	1.05 *
9	2.43 *	2.40 *	2.75 *	3.06 *	3.29 *	3.42 *	3.09 *	3.89 *	3.32 *	1.02 *
7	2.40 *	2.37 *	2.71 *	3.02 *	3.25 *	3.37 *	3.05 *	3.84 *	3.25 *	0.99 *
5	2.37 *	2.34 *	2.67 *	2.97 *	3.20 *	3.32 *	3.00 *	3.78 *	3.19 *	0.95 *
3	2.34 *	2.31 *	2.64 *	2.94 *	3.16 *	3.28 *	2.96 *	3.72 *	3.12 *	0.91 *
1	1.16 *	1.15 *	1.31 *	1.46 *	1.57 *	1.62 *	1.46 *	1.83 *	1.53 *	0.44 *
0	1.16 *	1.14 *	1.31 *	1.45 *	1.56 *	1.62 *	1.45 *	1.82 *	1.51 *	0.43 *
-1	2.31 *	2.28 *	2.60 *	2.88 *	3.10 *	3.21 *	2.88 *	3.60 *	2.97 *	0.84 *
-3	2.31 *	2.27 *	2.59 *	2.87 *	3.08 *	3.18 *	2.84 *	3.55 *	2.89 *	0.81 *
-5	2.31 *	2.27 *	2.59 *	2.86 *	3.06 *	3.15 *	2.81 *	3.49 *	2.80 *	0.77 *
-7	2.31 *	2.27 *	2.59 *	2.85 *	3.04 *	3.12 *	2.78 *	3.43 *	2.70 *	0.73 *
-9	2.31 *	2.27 *	2.59 *	2.85 *	3.03 *	3.09 *	2.75 *	3.36 *	2.60 *	0.69 *
-11	2.32 *	2.27 *	2.58 *	2.84 *	3.01 *	3.06 *	2.72 *	3.28 *	2.49 *	0.65 *
-13	2.32 *	2.27 *	2.58 *	2.83 *	2.97 *	3.01 *	2.67 *	3.20 *	2.37 *	0.61 *
-15	2.32 *	2.26 *	2.55 *	2.79 *	2.93 *	2.93 *	2.61 *	3.11 *	2.25 *	0.56 *
-17	2.82 *	2.76 *	3.08 *	3.38 *	3.55 *	3.52 *	3.13 *	3.72 *	2.62 *	0.64 *
-19.5	3.21 *	3.11 *	3.49 *	3.83 *	4.00 *	3.97 *	3.49 *	4.12 *	2.86 *	0.67

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	2.99 *	2.89 *	3.25 *	3.53 *	3.67 *	3.65 *	3.18 *	3.72 *	2.51 *	0.56
-25.5	3.19 *	3.06 *	3.44 *	3.72 *	3.84 *	3.81 *	3.29 *	3.80 *	2.47 *	0.51
-29	3.21 *	3.09 *	3.43 *	3.70 *	3.82 *	3.77 *	3.22 *	3.64 *	2.22 *	0.41
-33	3.27 *	3.15 *	3.45 *	3.66 *	3.73 *	3.63 *	3.07 *	3.26 *	1.76 *	0.28
-37.5	3.30 *	3.14 *	3.40 *	3.51 *	3.45 *	3.26 *	2.64 *	2.46 *	1.15	0.20
-42.5	2.20 *	2.10 *	2.23 *	2.26 *	2.21 *	2.03 *	1.52 *	1.24	0.54	0.15
-47.5	1.13	1.07	1.14	1.18	1.20	1.08	0.79	0.68	0.38	0.15
-55	0.16	0.15	0.18	0.19	0.20	0.21	0.18	0.23	0.19	0.09
-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	0.31	0.35	0.33	0.26	0.30	0.20	0.04
-85	0.07	0.09	0.12	0.15	0.17	0.16	0.13	0.15	0.09	0.01
-90										
Total	161.59	156.94	175.40	189.64	197.84	197.96	171.94	202.28	151.99	41.28

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.01	0.00		3.15
85				
	0.06	0.00		64.42
75				
	0.10	0.00		176.28
65				
	0.14	0.00		269.97
55				
	0.13	0.00		234.10
47.5				
	0.13	0.00		157.32
42.5				
	0.17	0.00		150.95
37.5				
	0.17	0.00		129.94
33				
	0.16	0.00		110.61
29				
	0.14	0.00		93.00
25.5				
	0.12	0.00		76.97
22.5				
	0.12	0.00		74.58
19.5				
	0.09	0.00		60.46
17				
	0.07	0.00		47.36

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

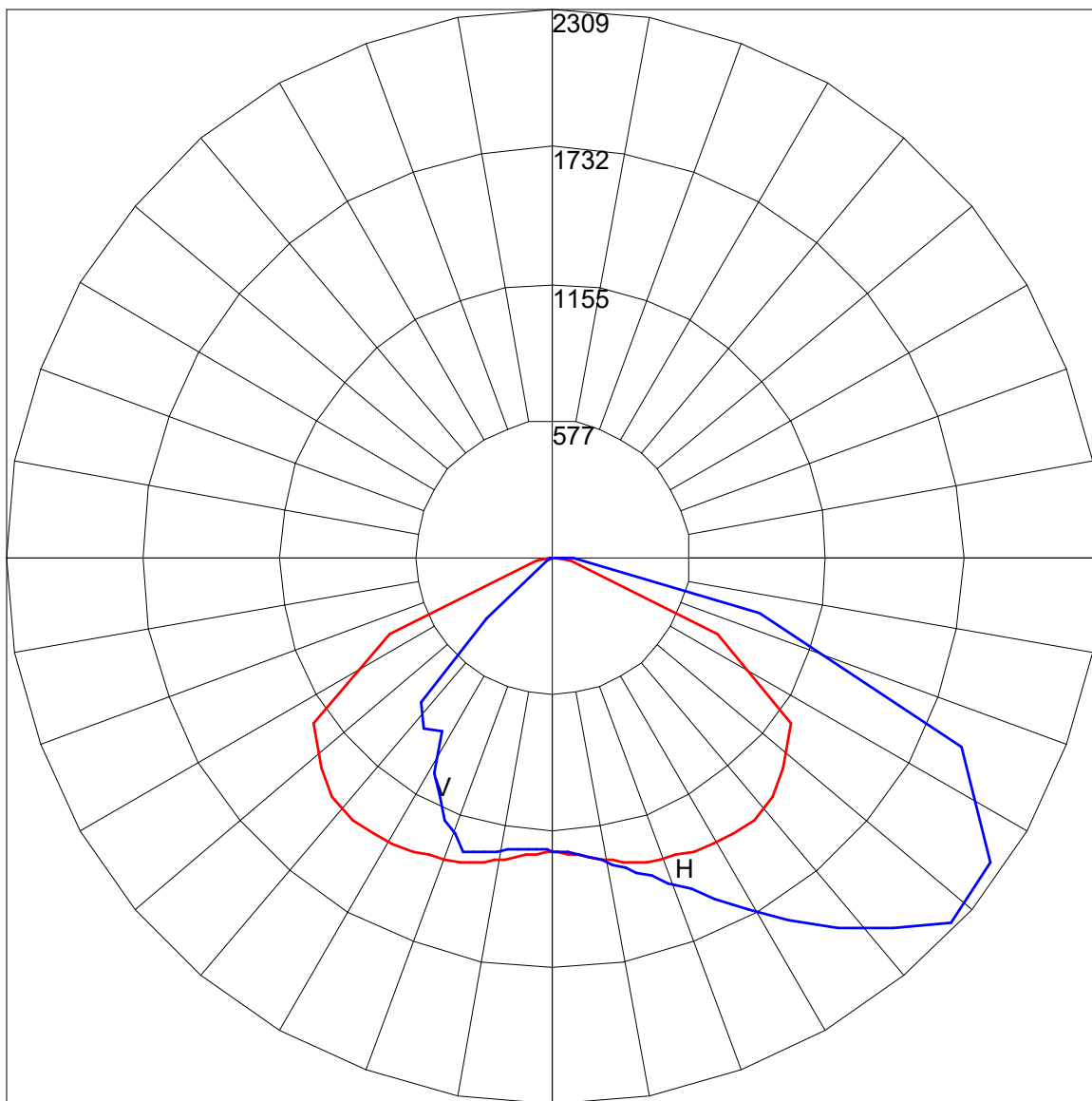
15	0.07	0.00	46.53
13	0.07	0.00	45.75
11	0.07	0.00	45.03
9	0.06	0.00	44.36
7	0.06	0.00	43.73
5	0.05	0.00	43.15
3	0.05	0.00	42.61
1	0.02	0.00	21.13
0	0.02	0.00	21.02
-1	0.04	0.00	41.77
-3	0.04	0.00	41.46
-5	0.04	0.00	41.20
-7	0.04	0.00	40.97
-9	0.04	0.00	40.77
-11	0.03	0.00	40.56
-13	0.03	0.00	40.30
-15	0.03	0.00	39.89
-17	0.04	0.00	48.37
-19.5	0.04	0.00	54.72
-22.5	0.04	0.00	50.56
-25.5	0.04	0.00	53.35
-29	0.04	0.00	53.09
-33	0.04	0.00	52.77
-37.5	0.04	0.00	51.60
-42.5	0.03	0.00	33.98
-47.5	0.03	0.00	17.83
-55	0.02	0.00	2.83
-65	0.01	0.00	0.34

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-12L-PC-VWF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

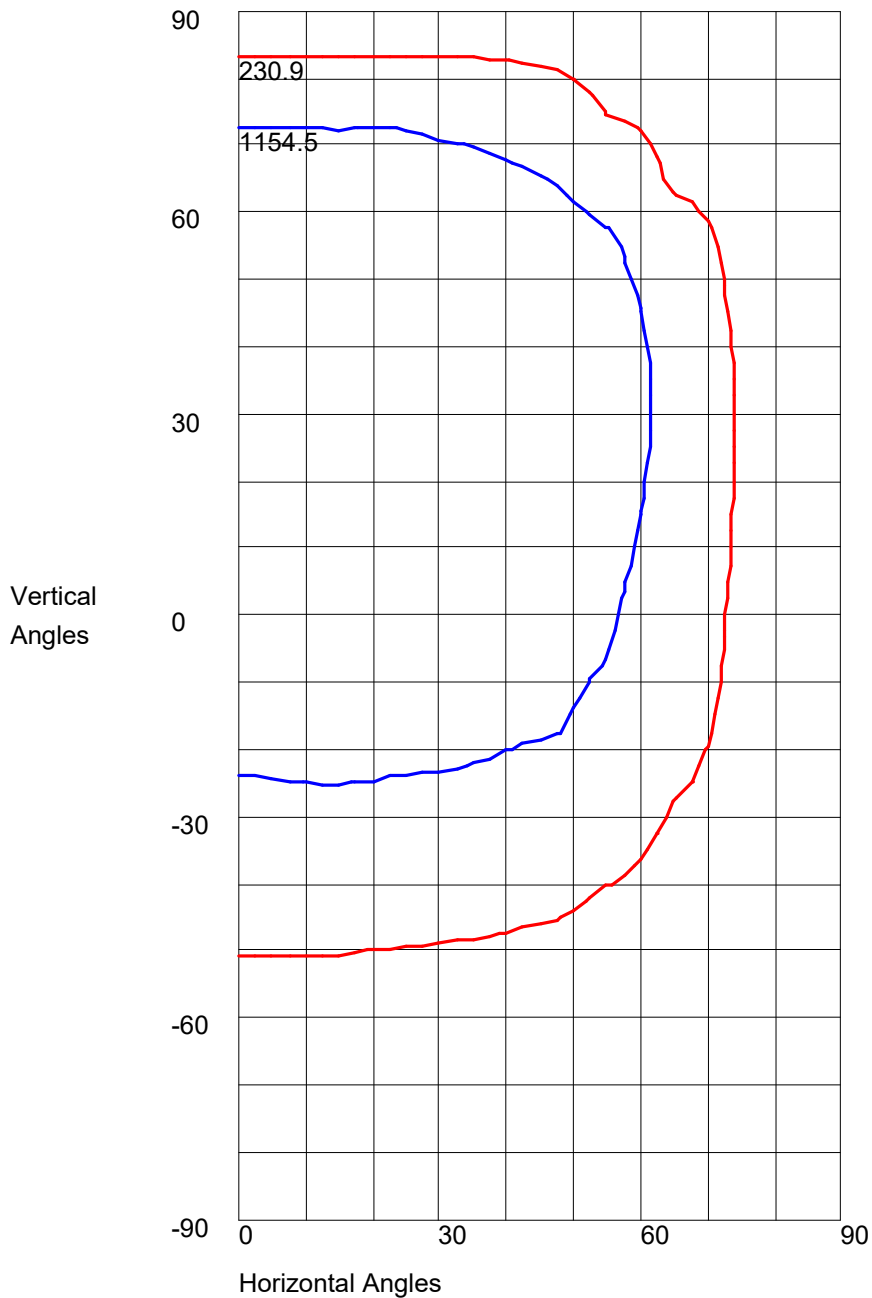
-75	0.00	0.00	2.89
-85	0.00	0.00	1.40
-90			
Total	2.75	0.04	2753.04

AXIAL CANDELA DISPLAY



Maximum Candela = 2309 Located At Horizontal Angle = -11, Vertical Angle = 47.5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 2309 Located At Horizontal Angle = -11, Vertical Angle = 47.5
50% Maximum Candela = 1154.5
10% Maximum Candela = 230.9