



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12459
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/05/21
[TEST DATE] 01/22/21
[MANUFACT] LSI INDUSTRIES, INC.
[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
[LUMCAT] PFL-LED-24L-PC-NF-40-80

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

CHARACTERISTICS

| | |
|------------------------------|-----------------|
| NEMA Type | 3 H x 3 V |
| Maximum Candela | 82725 |
| Maximum Candela Angle | 0H -5V |
| Horizontal Beam Angle (50%) | 25.8 |
| Vertical Beam Angle (50%) | 28.7 |
| Horizontal Field Angle (10%) | 42.1 |
| Vertical Field Angle (10%) | 45.0 |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Beam Lumens | 12327 |
| Beam Efficiency | N.A. |
| Field Lumens | 18037 |
| Field Efficiency | N.A. |
| Spill Lumens | 6648 |
| Luminaire Lumens | 24685 |
| Total Efficiency | N.A. |
| Total Luminaire Watts | 200 |
| Ballast Factor | 1.00 |



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AXIAL CANDELA

| DEG. | HOR. | DEG. | VERT. |
|-------|-------|-------|-------|
| 90 | 0 | 90 | 0 |
| 85 | 127 | 85 | 192 |
| 75 | 399 | 75 | 570 |
| 65 | 681 | 65 | 1066 |
| 55 | 890 | 55 | 1486 |
| 47.5 | 938 | 47.5 | 1407 |
| 42.5 | 1002 | 42.5 | 1316 |
| 37.5 | 1211 | 37.5 | 1381 |
| 33 | 1671 | 33 | 1884 |
| 29 | 2596 | 29 | 3126 |
| 25.5 | 3950 | 25.5 | 5113 |
| 22.5 | 6249 | 22.5 | 8225 |
| 19.5 | 12112 | 19.5 | 15554 |
| 17 | 21186 | 17 | 25708 |
| 15 | 31315 | 15 | 36875 |
| 13 | 44297 | 13 | 51069 |
| 11 | 56468 | 11 | 63994 |
| 9 | 66085 | 9 | 74008 |
| 7 | 72391 | 7 | 80269 |
| 5 | 75613 | 5 | 82725 |
| 3 | 77899 | 3 | 81135 |
| 1 | 79101 | 1 | 80008 |
| 0 | 79521 | 0 | 79521 |
| -1 | 79101 | -1 | 80008 |
| -3 | 77899 | -3 | 81135 |
| -5 | 75613 | -5 | 82725 |
| -7 | 72391 | -7 | 80269 |
| -9 | 66085 | -9 | 74008 |
| -11 | 56468 | -11 | 63994 |
| -13 | 44297 | -13 | 51069 |
| -15 | 31315 | -15 | 36875 |
| -17 | 21186 | -17 | 25708 |
| -19.5 | 12112 | -19.5 | 15554 |
| -22.5 | 6249 | -22.5 | 8225 |
| -25.5 | 3950 | -25.5 | 5113 |
| -29 | 2596 | -29 | 3126 |
| -33 | 1671 | -33 | 1884 |
| -37.5 | 1211 | -37.5 | 1381 |
| -42.5 | 1002 | -42.5 | 1316 |
| -47.5 | 938 | -47.5 | 1407 |
| -55 | 890 | -55 | 1486 |
| -65 | 681 | -65 | 1066 |
| -75 | 399 | -75 | 570 |
| -85 | 127 | -85 | 192 |
| -90 | 0 | -90 | 0 |

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CANDELA TABULATION

Maximum Candela = 82725

Beam Edge = 41362.5 Cd (50% of Max.)

Field Edge = 8272.5 Cd (10% of Max.)

* Indicates Values Inside Field Edge

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-------------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | -90.0 | -85.0 | -75.0 | -65.0 | -55.0 | -47.5 | -42.5 | -37.5 | -33.0 | -29.0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 85.0 | 0 | 15 | 59 | 131 | 195 | 213 | 224 | 231 | 230 | 220 |
| 75.0 | 0 | 44 | 142 | 259 | 390 | 471 | 522 | 567 | 597 | 593 |
| 65.0 | 0 | 72 | 196 | 368 | 565 | 707 | 799 | 869 | 925 | 942 |
| 55.0 | 0 | 92 | 248 | 459 | 693 | 881 | 1010 | 1132 | 1215 | 1290 |
| 47.5 | 0 | 101 | 283 | 517 | 774 | 1032 | 1173 | 1268 | 1316 | 1357 |
| 42.5 | 0 | 107 | 306 | 550 | 820 | 1075 | 1198 | 1261 | 1309 | 1340 |
| 37.5 | 0 | 112 | 326 | 579 | 861 | 1082 | 1186 | 1245 | 1272 | 1286 |
| 33.0 | 0 | 116 | 342 | 604 | 885 | 1065 | 1150 | 1206 | 1225 | 1284 |
| 29.0 | 0 | 118 | 355 | 626 | 899 | 1044 | 1107 | 1157 | 1222 | 1361 |
| 25.5 | 0 | 121 | 364 | 643 | 902 | 1025 | 1070 | 1130 | 1262 | 1484 |
| 22.5 | 0 | 122 | 371 | 652 | 900 | 1002 | 1049 | 1118 | 1306 | 1624 |
| 19.5 | 0 | 124 | 376 | 661 | 905 | 978 | 1033 | 1126 | 1349 | 1761 |
| 17.0 | 0 | 125 | 381 | 666 | 904 | 958 | 1023 | 1139 | 1400 | 1892 |
| 15.0 | 0 | 125 | 385 | 670 | 903 | 956 | 1018 | 1145 | 1445 | 1985 |
| 13.0 | 0 | 126 | 389 | 672 | 901 | 953 | 1016 | 1161 | 1479 | 2142 |
| 11.0 | 0 | 128 | 392 | 674 | 899 | 950 | 1016 | 1175 | 1521 | 2253 |
| 9.0 | 0 | 128 | 394 | 677 | 896 | 946 | 1014 | 1189 | 1566 | 2321 |
| 7.0 | 0 | 128 | 396 | 680 | 893 | 943 | 1010 | 1200 | 1607 | 2421 |
| 5.0 | 0 | 128 | 400 | 681 | 893 | 939 | 1006 | 1206 | 1634 | 2514 |
| 3.0 | 0 | 127 | 399 | 683 | 893 | 940 | 1006 | 1209 | 1648 | 2559 |
| 1.0 | 0 | 127 | 399 | 682 | 891 | 939 | 1003 | 1212 | 1667 | 2593 |
| 0.0 | 0 | 127 | 399 | 681 | 890 | 938 | 1002 | 1211 | 1671 | 2596 |
| -1.0 | 0 | 127 | 399 | 682 | 891 | 939 | 1003 | 1212 | 1667 | 2593 |
| -3.0 | 0 | 127 | 399 | 683 | 893 | 940 | 1006 | 1209 | 1648 | 2559 |
| -5.0 | 0 | 128 | 400 | 681 | 893 | 939 | 1006 | 1206 | 1634 | 2514 |
| -7.0 | 0 | 128 | 396 | 680 | 893 | 943 | 1010 | 1200 | 1607 | 2421 |
| -9.0 | 0 | 128 | 394 | 677 | 896 | 946 | 1014 | 1189 | 1566 | 2321 |
| -11.0 | 0 | 128 | 392 | 674 | 899 | 950 | 1016 | 1175 | 1521 | 2253 |
| -13.0 | 0 | 126 | 389 | 672 | 901 | 953 | 1016 | 1161 | 1479 | 2142 |
| -15.0 | 0 | 125 | 385 | 670 | 903 | 956 | 1018 | 1145 | 1445 | 1985 |
| -17.0 | 0 | 125 | 381 | 666 | 904 | 958 | 1023 | 1139 | 1400 | 1892 |
| -19.5 | 0 | 124 | 376 | 661 | 905 | 978 | 1033 | 1126 | 1349 | 1761 |
| -22.5 | 0 | 122 | 371 | 652 | 900 | 1002 | 1049 | 1118 | 1306 | 1624 |
| -25.5 | 0 | 121 | 364 | 643 | 902 | 1025 | 1070 | 1130 | 1262 | 1484 |
| -29.0 | 0 | 118 | 355 | 626 | 899 | 1044 | 1107 | 1157 | 1222 | 1361 |
| -33.0 | 0 | 116 | 342 | 604 | 885 | 1065 | 1150 | 1206 | 1225 | 1284 |
| -37.5 | 0 | 112 | 326 | 579 | 861 | 1082 | 1186 | 1245 | 1272 | 1286 |
| -42.5 | 0 | 107 | 306 | 550 | 820 | 1075 | 1198 | 1261 | 1309 | 1340 |
| -47.5 | 0 | 101 | 283 | 517 | 774 | 1032 | 1173 | 1268 | 1316 | 1357 |
| -55.0 | 0 | 92 | 248 | 459 | 693 | 881 | 1010 | 1132 | 1215 | 1290 |
| -65.0 | 0 | 72 | 196 | 368 | 565 | 707 | 799 | 869 | 925 | 942 |
| -75.0 | 0 | 44 | 142 | 259 | 390 | 471 | 522 | 567 | 597 | 593 |
| -85.0 | 0 | 15 | 59 | 131 | 195 | 213 | 224 | 231 | 230 | 220 |
| -90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80.IES

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 | 209 | 205 | 202 | 199 | 196 | 196 | 198 | 197 | 195 | 193 |
| 75.0 | 587 | 584 | 583 | 580 | 577 | 576 | 575 | 574 | 571 | 571 |
| 65.0 | 956 | 964 | 987 | 1005 | 1018 | 1030 | 1040 | 1048 | 1056 | 1062 |
| 55.0 | 1328 | 1365 | 1398 | 1412 | 1424 | 1435 | 1446 | 1456 | 1466 | 1476 |
| 47.5 | 1380 | 1388 | 1396 | 1397 | 1395 | 1393 | 1392 | 1394 | 1398 | 1403 |
| 42.5 | 1352 | 1351 | 1346 | 1341 | 1336 | 1332 | 1327 | 1324 | 1322 | 1319 |
| 37.5 | 1303 | 1323 | 1356 | 1379 | 1386 | 1397 | 1400 | 1397 | 1397 | 1392 |
| 33.0 | 1370 | 1470 | 1566 | 1647 | 1704 | 1740 | 1786 | 1821 | 1852 | 1873 |
| 29.0 | 1557 | 1759 | 1999 | 2202 | 2343 | 2543 | 2683 | 2770 | 2865 | 2984 |
| 25.5 | 1792 | 2170 | 2642 | 3118 | 3532 | 3928 | 4235 | 4545 | 4753 | 4920 |
| 22.5 | 2067 | 2681 | 3497 | 4337 | 5131 | 5774 | 6350 | 7055 | 7470 | 7758 |
| 19.5 | 2434 | 3334 | 4569 | 5852 | 7067 | 8474 * | 9758 * | 11548 * | 12741 * | 13558 * |
| 17.0 | 2750 | 3962 | 5562 | 7400 | 9054 * | 11762 * | 14283 * | 17511 * | 20282 * | 22118 * |
| 15.0 | 3036 | 4440 | 6410 | 8587 * | 11696 * | 15083 * | 19708 * | 23764 * | 28868 * | 32610 * |
| 13.0 | 3288 | 4870 | 7260 | 10653 * | 14398 * | 20022 * | 26162 * | 33060 * | 39079 * | 44777 * |
| 11.0 | 3480 | 5203 | 8146 | 12427 * | 18413 * | 25487 * | 34231 * | 42793 * | 50807 * | 57125 * |
| 9.0 | 3678 | 5659 | 9409 * | 15128 * | 21705 * | 31531 * | 41871 * | 52475 * | 60712 * | 67673 * |
| 7.0 | 3801 | 5933 | 10195 * | 17229 * | 25813 * | 36394 * | 48547 * | 59239 * | 68805 * | 73769 * |
| 5.0 | 3912 | 6125 | 10644 * | 18516 * | 28856 * | 40722 * | 52980 * | 63987 * | 71377 * | 76837 * |
| 3.0 | 3934 | 6196 | 11512 * | 20080 * | 30758 * | 43431 * | 55759 * | 66119 * | 73006 * | 76511 * |
| 1.0 | 3951 | 6250 | 12017 * | 21012 * | 31524 * | 44307 * | 56687 * | 66509 * | 72830 * | 76119 * |
| 0.0 | 3950 | 6249 | 12112 * | 21186 * | 31315 * | 44297 * | 56468 * | 66085 * | 72391 * | 75613 * |
| -1.0 | 3951 | 6250 | 12017 * | 21012 * | 31524 * | 44307 * | 56687 * | 66509 * | 72830 * | 76119 * |
| -3.0 | 3934 | 6196 | 11512 * | 20080 * | 30758 * | 43431 * | 55759 * | 66119 * | 73006 * | 76511 * |
| -5.0 | 3912 | 6125 | 10644 * | 18516 * | 28856 * | 40722 * | 52980 * | 63987 * | 71377 * | 76837 * |
| -7.0 | 3801 | 5933 | 10195 * | 17229 * | 25813 * | 36394 * | 48547 * | 59239 * | 68805 * | 73769 * |
| -9.0 | 3678 | 5659 | 9409 * | 15128 * | 21705 * | 31531 * | 41871 * | 52475 * | 60712 * | 67673 * |
| -11.0 | 3480 | 5203 | 8146 | 12427 * | 18413 * | 25487 * | 34231 * | 42793 * | 50807 * | 57125 * |
| -13.0 | 3288 | 4870 | 7260 | 10653 * | 14398 * | 20022 * | 26162 * | 33060 * | 39079 * | 44777 * |
| -15.0 | 3036 | 4440 | 6410 | 8587 * | 11696 * | 15083 * | 19708 * | 23764 * | 28868 * | 32610 * |
| -17.0 | 2750 | 3962 | 5562 | 7400 | 9054 * | 11762 * | 14283 * | 17511 * | 20282 * | 22118 * |
| -19.5 | 2434 | 3334 | 4569 | 5852 | 7067 | 8474 * | 9758 * | 11548 * | 12741 * | 13558 * |
| -22.5 | 2067 | 2681 | 3497 | 4337 | 5131 | 5774 | 6350 | 7055 | 7470 | 7758 |
| -25.5 | 1792 | 2170 | 2642 | 3118 | 3532 | 3928 | 4235 | 4545 | 4753 | 4920 |
| -29.0 | 1557 | 1759 | 1999 | 2202 | 2343 | 2543 | 2683 | 2770 | 2865 | 2984 |
| -33.0 | 1370 | 1470 | 1566 | 1647 | 1704 | 1740 | 1786 | 1821 | 1852 | 1873 |
| -37.5 | 1303 | 1323 | 1356 | 1379 | 1386 | 1397 | 1400 | 1397 | 1397 | 1392 |
| -42.5 | 1352 | 1351 | 1346 | 1341 | 1336 | 1332 | 1327 | 1324 | 1322 | 1319 |
| -47.5 | 1380 | 1388 | 1396 | 1397 | 1395 | 1393 | 1392 | 1394 | 1398 | 1403 |
| -55.0 | 1328 | 1365 | 1398 | 1412 | 1424 | 1435 | 1446 | 1456 | 1466 | 1476 |
| -65.0 | 956 | 964 | 987 | 1005 | 1018 | 1030 | 1040 | 1048 | 1056 | 1062 |
| -75.0 | 587 | 584 | 583 | 580 | 577 | 576 | 575 | 574 | 571 | 571 |
| -85.0 | 209 | 205 | 202 | 199 | 196 | 196 | 198 | 197 | 195 | 193 |
| -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 | 193 | 192 | 192 | 192 | 193 | 193 | 195 | 197 | 198 | 196 |
| 75.0 | 570 | 570 | 570 | 570 | 570 | 571 | 571 | 574 | 575 | 576 |
| 65.0 | 1067 | 1066 | 1066 | 1066 | 1067 | 1062 | 1056 | 1048 | 1040 | 1030 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 55.0 | 1483 | 1485 | 1486 | 1485 | 1483 | 1476 | 1466 | 1456 | 1446 | 1435 |
| 47.5 | 1406 | 1407 | 1407 | 1407 | 1406 | 1403 | 1398 | 1394 | 1392 | 1393 |
| 42.5 | 1316 | 1316 | 1316 | 1316 | 1316 | 1319 | 1322 | 1324 | 1327 | 1332 |
| 37.5 | 1383 | 1383 | 1381 | 1383 | 1383 | 1392 | 1397 | 1397 | 1400 | 1397 |
| 33.0 | 1877 | 1885 | 1884 | 1885 | 1877 | 1873 | 1852 | 1821 | 1786 | 1740 |
| 29.0 | 3037 | 3101 | 3126 | 3101 | 3037 | 2984 | 2865 | 2770 | 2683 | 2543 |
| 25.5 | 5005 | 5080 | 5113 | 5080 | 5005 | 4920 | 4753 | 4545 | 4235 | 3928 |
| 22.5 | 8006 | 8187 | 8225 | 8187 | 8006 | 7758 | 7470 | 7055 | 6350 | 5774 |
| 19.5 | 14579 * | 15286 * | 15554 * | 15286 * | 14579 * | 13558 * | 12741 * | 11548 * | 9758 * | 8474 * |
| 17.0 | 24078 * | 25384 * | 25708 * | 25384 * | 24078 * | 22118 * | 20282 * | 17511 * | 14283 * | 11762 * |
| 15.0 | 35199 * | 36626 * | 36875 * | 36626 * | 35199 * | 32610 * | 28868 * | 23764 * | 19708 * | 15083 * |
| 13.0 | 48963 * | 51014 * | 51069 * | 51014 * | 48963 * | 44777 * | 39079 * | 33060 * | 26162 * | 20022 * |
| 11.0 | 61712 * | 64032 * | 63994 * | 64032 * | 61712 * | 57125 * | 50807 * | 42793 * | 34231 * | 25487 * |
| 9.0 | 71866 * | 73949 * | 74008 * | 73949 * | 71866 * | 67673 * | 60712 * | 52475 * | 41871 * | 31531 * |
| 7.0 | 78116 * | 80070 * | 80269 * | 80070 * | 78116 * | 73769 * | 68805 * | 59239 * | 48547 * | 36394 * |
| 5.0 | 79809 * | 82333 * | 82725 * | 82333 * | 79809 * | 76837 * | 71377 * | 63987 * | 52980 * | 40722 * |
| 3.0 | 79289 * | 80795 * | 81135 * | 80795 * | 79289 * | 76511 * | 73006 * | 66119 * | 55759 * | 43431 * |
| 1.0 | 78272 * | 79569 * | 80008 * | 79569 * | 78272 * | 76119 * | 72830 * | 66509 * | 56687 * | 44307 * |
| 0.0 | 77899 * | 79101 * | 79521 * | 79101 * | 77899 * | 75613 * | 72391 * | 66085 * | 56468 * | 44297 * |
| -1.0 | 78272 * | 79569 * | 80008 * | 79569 * | 78272 * | 76119 * | 72830 * | 66509 * | 56687 * | 44307 * |
| -3.0 | 79289 * | 80795 * | 81135 * | 80795 * | 79289 * | 76511 * | 73006 * | 66119 * | 55759 * | 43431 * |
| -5.0 | 79809 * | 82333 * | 82725 * | 82333 * | 79809 * | 76837 * | 71377 * | 63987 * | 52980 * | 40722 * |
| -7.0 | 78116 * | 80070 * | 80269 * | 80070 * | 78116 * | 73769 * | 68805 * | 59239 * | 48547 * | 36394 * |
| -9.0 | 71866 * | 73949 * | 74008 * | 73949 * | 71866 * | 67673 * | 60712 * | 52475 * | 41871 * | 31531 * |
| -11.0 | 61712 * | 64032 * | 63994 * | 64032 * | 61712 * | 57125 * | 50807 * | 42793 * | 34231 * | 25487 * |
| -13.0 | 48963 * | 51014 * | 51069 * | 51014 * | 48963 * | 44777 * | 39079 * | 33060 * | 26162 * | 20022 * |
| -15.0 | 35199 * | 36626 * | 36875 * | 36626 * | 35199 * | 32610 * | 28868 * | 23764 * | 19708 * | 15083 * |
| -17.0 | 24078 * | 25384 * | 25708 * | 25384 * | 24078 * | 22118 * | 20282 * | 17511 * | 14283 * | 11762 * |
| -19.5 | 14579 * | 15286 * | 15554 * | 15286 * | 14579 * | 13558 * | 12741 * | 11548 * | 9758 * | 8474 * |
| -22.5 | 8006 | 8187 | 8225 | 8187 | 8006 | 7758 | 7470 | 7055 | 6350 | 5774 |
| -25.5 | 5005 | 5080 | 5113 | 5080 | 5005 | 4920 | 4753 | 4545 | 4235 | 3928 |
| -29.0 | 3037 | 3101 | 3126 | 3101 | 3037 | 2984 | 2865 | 2770 | 2683 | 2543 |
| -33.0 | 1877 | 1885 | 1884 | 1885 | 1877 | 1873 | 1852 | 1821 | 1786 | 1740 |
| -37.5 | 1383 | 1383 | 1381 | 1383 | 1383 | 1392 | 1397 | 1397 | 1400 | 1397 |
| -42.5 | 1316 | 1316 | 1316 | 1316 | 1316 | 1319 | 1322 | 1324 | 1327 | 1332 |
| -47.5 | 1406 | 1407 | 1407 | 1407 | 1406 | 1403 | 1398 | 1394 | 1392 | 1393 |
| -55.0 | 1483 | 1485 | 1486 | 1485 | 1483 | 1476 | 1466 | 1456 | 1446 | 1435 |
| -65.0 | 1067 | 1066 | 1066 | 1066 | 1067 | 1062 | 1056 | 1048 | 1040 | 1030 |
| -75.0 | 570 | 570 | 570 | 570 | 570 | 571 | 571 | 574 | 575 | 576 |
| -85.0 | 193 | 192 | 192 | 192 | 193 | 193 | 195 | 197 | 198 | 196 |
| -90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Vert. Angles **Horizontal 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 | 1 | 1 | 1 | 1 | 0 |
| 85.0 | 196 | 199 | 202 | 205 | 209 | 220 | 230 | 231 | 224 | 213 |
| 75.0 | 577 | 580 | 583 | 584 | 587 | 593 | 597 | 567 | 522 | 471 |
| 65.0 | 1018 | 1005 | 987 | 964 | 956 | 942 | 925 | 869 | 799 | 707 |
| 55.0 | 1424 | 1412 | 1398 | 1365 | 1328 | 1290 | 1215 | 1132 | 1010 | 881 |
| 47.5 | 1395 | 1397 | 1396 | 1388 | 1380 | 1357 | 1316 | 1268 | 1173 | 1032 |
| 42.5 | 1336 | 1341 | 1346 | 1351 | 1352 | 1340 | 1309 | 1261 | 1198 | 1075 |
| 37.5 | 1386 | 1379 | 1356 | 1323 | 1303 | 1286 | 1272 | 1245 | 1186 | 1082 |
| 33.0 | 1704 | 1647 | 1566 | 1470 | 1370 | 1284 | 1225 | 1206 | 1150 | 1065 |
| 29.0 | 2343 | 2202 | 1999 | 1759 | 1557 | 1361 | 1222 | 1157 | 1107 | 1044 |
| 25.5 | 3532 | 3118 | 2642 | 2170 | 1792 | 1484 | 1262 | 1130 | 1070 | 1025 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|---------|---------|---------|------|------|------|------|------|------|------|
| 22.5 | 5131 | 4337 | 3497 | 2681 | 2067 | 1624 | 1306 | 1118 | 1049 | 1002 |
| 19.5 | 7067 | 5852 | 4569 | 3334 | 2434 | 1761 | 1349 | 1126 | 1033 | 978 |
| 17.0 | 9054 * | 7400 | 5562 | 3962 | 2750 | 1892 | 1400 | 1139 | 1023 | 958 |
| 15.0 | 11696 * | 8587 * | 6410 | 4440 | 3036 | 1985 | 1445 | 1145 | 1018 | 956 |
| 13.0 | 14398 * | 10653 * | 7260 | 4870 | 3288 | 2142 | 1479 | 1161 | 1016 | 953 |
| 11.0 | 18413 * | 12427 * | 8146 | 5203 | 3480 | 2253 | 1521 | 1175 | 1016 | 950 |
| 9.0 | 21705 * | 15128 * | 9409 * | 5659 | 3678 | 2321 | 1566 | 1189 | 1014 | 946 |
| 7.0 | 25813 * | 17229 * | 10195 * | 5933 | 3801 | 2421 | 1607 | 1200 | 1010 | 943 |
| 5.0 | 28856 * | 18516 * | 10644 * | 6125 | 3912 | 2514 | 1634 | 1206 | 1006 | 939 |
| 3.0 | 30758 * | 20080 * | 11512 * | 6196 | 3934 | 2559 | 1648 | 1209 | 1006 | 940 |
| 1.0 | 31524 * | 21012 * | 12017 * | 6250 | 3951 | 2593 | 1667 | 1212 | 1003 | 939 |
| 0.0 | 31315 * | 21186 * | 12112 * | 6249 | 3950 | 2596 | 1671 | 1211 | 1002 | 938 |
| -1.0 | 31524 * | 21012 * | 12017 * | 6250 | 3951 | 2593 | 1667 | 1212 | 1003 | 939 |
| -3.0 | 30758 * | 20080 * | 11512 * | 6196 | 3934 | 2559 | 1648 | 1209 | 1006 | 940 |
| -5.0 | 28856 * | 18516 * | 10644 * | 6125 | 3912 | 2514 | 1634 | 1206 | 1006 | 939 |
| -7.0 | 25813 * | 17229 * | 10195 * | 5933 | 3801 | 2421 | 1607 | 1200 | 1010 | 943 |
| -9.0 | 21705 * | 15128 * | 9409 * | 5659 | 3678 | 2321 | 1566 | 1189 | 1014 | 946 |
| -11.0 | 18413 * | 12427 * | 8146 | 5203 | 3480 | 2253 | 1521 | 1175 | 1016 | 950 |
| -13.0 | 14398 * | 10653 * | 7260 | 4870 | 3288 | 2142 | 1479 | 1161 | 1016 | 953 |
| -15.0 | 11696 * | 8587 * | 6410 | 4440 | 3036 | 1985 | 1445 | 1145 | 1018 | 956 |
| -17.0 | 9054 * | 7400 | 5562 | 3962 | 2750 | 1892 | 1400 | 1139 | 1023 | 958 |
| -19.5 | 7067 | 5852 | 4569 | 3334 | 2434 | 1761 | 1349 | 1126 | 1033 | 978 |
| -22.5 | 5131 | 4337 | 3497 | 2681 | 2067 | 1624 | 1306 | 1118 | 1049 | 1002 |
| -25.5 | 3532 | 3118 | 2642 | 2170 | 1792 | 1484 | 1262 | 1130 | 1070 | 1025 |
| -29.0 | 2343 | 2202 | 1999 | 1759 | 1557 | 1361 | 1222 | 1157 | 1107 | 1044 |
| -33.0 | 1704 | 1647 | 1566 | 1470 | 1370 | 1284 | 1225 | 1206 | 1150 | 1065 |
| -37.5 | 1386 | 1379 | 1356 | 1323 | 1303 | 1286 | 1272 | 1245 | 1186 | 1082 |
| -42.5 | 1336 | 1341 | 1346 | 1351 | 1352 | 1340 | 1309 | 1261 | 1198 | 1075 |
| -47.5 | 1395 | 1397 | 1396 | 1388 | 1380 | 1357 | 1316 | 1268 | 1173 | 1032 |
| -55.0 | 1424 | 1412 | 1398 | 1365 | 1328 | 1290 | 1215 | 1132 | 1010 | 881 |
| -65.0 | 1018 | 1005 | 987 | 964 | 956 | 942 | 925 | 869 | 799 | 707 |
| -75.0 | 577 | 580 | 583 | 584 | 587 | 593 | 597 | 567 | 522 | 471 |
| -85.0 | 196 | 199 | 202 | 205 | 209 | 220 | 230 | 231 | 224 | 213 |
| -90.0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 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 | 195 | 131 | 59 | 15 | 0 |
| 75.0 | 390 | 259 | 142 | 44 | 0 |
| 65.0 | 565 | 368 | 196 | 72 | 0 |
| 55.0 | 693 | 459 | 248 | 92 | 0 |
| 47.5 | 774 | 517 | 283 | 101 | 0 |
| 42.5 | 820 | 550 | 306 | 107 | 0 |
| 37.5 | 861 | 579 | 326 | 112 | 0 |
| 33.0 | 885 | 604 | 342 | 116 | 0 |
| 29.0 | 899 | 626 | 355 | 118 | 0 |
| 25.5 | 902 | 643 | 364 | 121 | 0 |
| 22.5 | 900 | 652 | 371 | 122 | 0 |
| 19.5 | 905 | 661 | 376 | 124 | 0 |
| 17.0 | 904 | 666 | 381 | 125 | 0 |
| 15.0 | 903 | 670 | 385 | 125 | 0 |
| 13.0 | 901 | 672 | 389 | 126 | 0 |
| 11.0 | 899 | 674 | 392 | 128 | 0 |
| 9.0 | 896 | 677 | 394 | 128 | 0 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|--------------|-----|-----|-----|-----|---|
| 7.0 | 893 | 680 | 396 | 128 | 0 |
| 5.0 | 893 | 681 | 400 | 128 | 0 |
| 3.0 | 893 | 683 | 399 | 127 | 0 |
| 1.0 | 891 | 682 | 399 | 127 | 0 |
| 0.0 | 890 | 681 | 399 | 127 | 0 |
| -1.0 | 891 | 682 | 399 | 127 | 0 |
| -3.0 | 893 | 683 | 399 | 127 | 0 |
| -5.0 | 893 | 681 | 400 | 128 | 0 |
| -7.0 | 893 | 680 | 396 | 128 | 0 |
| -9.0 | 896 | 677 | 394 | 128 | 0 |
| -11.0 | 899 | 674 | 392 | 128 | 0 |
| -13.0 | 901 | 672 | 389 | 126 | 0 |
| -15.0 | 903 | 670 | 385 | 125 | 0 |
| -17.0 | 904 | 666 | 381 | 125 | 0 |
| -19.5 | 905 | 661 | 376 | 124 | 0 |
| -22.5 | 900 | 652 | 371 | 122 | 0 |
| -25.5 | 902 | 643 | 364 | 121 | 0 |
| -29.0 | 899 | 626 | 355 | 118 | 0 |
| -33.0 | 885 | 604 | 342 | 116 | 0 |
| -37.5 | 861 | 579 | 326 | 112 | 0 |
| -42.5 | 820 | 550 | 306 | 107 | 0 |
| -47.5 | 774 | 517 | 283 | 101 | 0 |
| -55.0 | 693 | 459 | 248 | 92 | 0 |
| -65.0 | 565 | 368 | 196 | 72 | 0 |
| -75.0 | 390 | 259 | 142 | 44 | 0 |
| -85.0 | 195 | 131 | 59 | 15 | 0 |
| -90.0 | 0 | 0 | 0 | 0 | 0 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 12342.7

Total Field Lumens (one side of beam only) = 9018.72

* 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 | 0.15 | 0.29 | 0.29 | 0.29 | 0.30 | 0.30 | 0.29 | 0.29 | 0.29 | 0.36 |
| 75 | 1.16 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.30 | 2.28 | 2.27 | 2.83 |
| 65 | 2.49 | 4.98 | 4.97 | 4.94 | 4.90 | 4.86 | 4.80 | 4.73 | 4.66 | 5.70 |
| 55 | 3.89 | 7.76 | 7.73 | 7.66 | 7.58 | 7.48 | 7.38 | 7.25 | 7.11 | 8.68 |
| 47.5 | 3.30 | 6.60 | 6.57 | 6.52 | 6.46 | 6.40 | 6.33 | 6.26 | 6.18 | 7.60 |
| 42.5 | 2.07 | 4.14 | 4.14 | 4.12 | 4.10 | 4.08 | 4.06 | 4.03 | 4.00 | 4.95 |
| 37.5 | 2.05 | 4.11 | 4.11 | 4.11 | 4.10 | 4.09 | 4.06 | 4.03 | 3.98 | 4.90 |
| 33 | 2.24 | 4.47 | 4.46 | 4.44 | 4.39 | 4.32 | 4.24 | 4.14 | 4.03 | 4.84 |
| 29 | 3.04 | 6.03 | 5.94 | 5.80 | 5.62 | 5.44 | 5.22 | 4.92 | 4.62 | 5.36 |
| 25.5 | 4.38 | 8.64 | 8.48 | 8.23 | 7.88 | 7.47 | 6.98 | 6.39 | 5.74 | 6.30 |
| 22.5 | 6.08 | 12.00 | 11.71 | 11.32 | 10.78 | 9.98 | 9.07 | 8.14 | 7.08 | 7.37 |
| 19.5 | 10.79 * | 21.03 * | 20.01 * | 18.87 * | 17.56 * | 15.62 * | 13.57 | 11.72 | 9.83 | 9.90 |
| 17 | 15.60 * | 30.19 * | 28.23 * | 26.01 * | 23.41 * | 19.91 * | 16.49 * | 13.43 * | 10.75 | 10.57 |
| 15 | 18.98 * | 36.92 * | 34.64 * | 31.47 * | 27.28 * | 22.58 * | 18.13 * | 14.07 * | 10.76 * | 10.11 |
| 13 | 26.74 * | 52.30 * | 49.09 * | 44.03 * | 37.64 * | 30.81 * | 24.13 * | 18.09 * | 13.27 * | 11.90 |
| 11 | 35.05 * | 68.71 * | 64.59 * | 58.10 * | 49.99 * | 40.87 * | 31.55 * | 23.15 * | 16.37 * | 13.92 * |
| 9 | 42.03 * | 82.67 * | 78.51 * | 71.59 * | 62.37 * | 51.41 * | 39.66 * | 28.71 * | 19.81 * | 16.31 * |
| 7 | 46.95 * | 92.54 * | 88.55 * | 82.08 * | 72.76 * | 60.63 * | 47.18 * | 34.12 * | 23.39 * | 18.79 * |
| 5 | 49.56 * | 97.51 * | 93.75 * | 88.09 * | 79.45 * | 67.42 * | 53.23 * | 38.95 * | 26.47 * | 20.46 * |
| 3 | 49.80 * | 98.09 * | 94.94 * | 90.19 * | 82.80 * | 71.65 * | 57.47 * | 42.49 * | 28.76 * | 21.97 * |
| 1 | 48.97 * | 96.78 * | 94.25 * | 90.42 * | 84.00 * | 73.52 * | 59.64 * | 44.34 * | 30.27 * | 23.37 * |
| 0 | 24.23 * | 47.92 * | 46.78 * | 44.98 * | 41.90 * | 36.86 * | 30.06 * | 22.38 * | 15.38 * | 11.99 * |
| -1 | 24.23 * | 47.92 * | 46.78 * | 44.98 * | 41.90 * | 36.86 * | 30.06 * | 22.38 * | 15.38 * | 11.99 * |
| | 48.97 * | 96.78 * | 94.25 * | 90.42 * | 84.00 * | 73.52 * | 59.64 * | 44.34 * | 30.27 * | 23.37 * |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -3 | 49.80 * | 98.09 * | 94.94 * | 90.19 * | 82.80 * | 71.65 * | 57.47 * | 42.49 * | 28.76 * | 21.97 * |
| -5 | 49.56 * | 97.51 * | 93.75 * | 88.09 * | 79.45 * | 67.42 * | 53.23 * | 38.95 * | 26.47 * | 20.46 * |
| -7 | 46.95 * | 92.54 * | 88.55 * | 82.08 * | 72.76 * | 60.63 * | 47.18 * | 34.12 * | 23.39 * | 18.79 * |
| -9 | 42.03 * | 82.67 * | 78.51 * | 71.59 * | 62.37 * | 51.41 * | 39.66 * | 28.71 * | 19.81 * | 16.31 * |
| -11 | 35.05 * | 68.71 * | 64.59 * | 58.10 * | 49.99 * | 40.87 * | 31.55 * | 23.15 * | 16.37 * | 13.92 * |
| -13 | 26.74 * | 52.30 * | 49.09 * | 44.03 * | 37.64 * | 30.81 * | 24.13 * | 18.09 * | 13.27 * | 11.90 |
| -15 | 18.98 * | 36.92 * | 34.64 * | 31.47 * | 27.28 * | 22.58 * | 18.13 * | 14.07 * | 10.76 * | 10.11 |
| -17 | 15.60 * | 30.19 * | 28.23 * | 26.01 * | 23.41 * | 19.91 * | 16.49 * | 13.43 * | 10.75 | 10.57 |
| -19.5 | 10.79 * | 21.03 * | 20.01 * | 18.87 * | 17.56 * | 15.62 * | 13.57 | 11.72 | 9.83 | 9.90 |
| -22.5 | 6.08 | 12.00 | 11.71 | 11.32 | 10.78 | 9.98 | 9.07 | 8.14 | 7.08 | 7.37 |
| -25.5 | 4.38 | 8.64 | 8.48 | 8.23 | 7.88 | 7.47 | 6.98 | 6.39 | 5.74 | 6.30 |
| -29 | 3.04 | 6.03 | 5.94 | 5.80 | 5.62 | 5.44 | 5.22 | 4.92 | 4.62 | 5.36 |
| -33 | 2.24 | 4.47 | 4.46 | 4.44 | 4.39 | 4.32 | 4.24 | 4.14 | 4.03 | 4.84 |
| -37.5 | 2.05 | 4.11 | 4.11 | 4.11 | 4.10 | 4.09 | 4.06 | 4.03 | 3.98 | 4.90 |
| -42.5 | 2.07 | 4.14 | 4.14 | 4.12 | 4.10 | 4.08 | 4.06 | 4.03 | 4.00 | 4.95 |
| -47.5 | 3.30 | 6.60 | 6.57 | 6.52 | 6.46 | 6.40 | 6.33 | 6.26 | 6.18 | 7.60 |
| -55 | 3.89 | 7.76 | 7.73 | 7.66 | 7.58 | 7.48 | 7.38 | 7.25 | 7.11 | 8.68 |
| -65 | 2.49 | 4.98 | 4.97 | 4.94 | 4.90 | 4.86 | 4.80 | 4.73 | 4.66 | 5.70 |
| -75 | 1.16 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.30 | 2.28 | 2.27 | 2.83 |
| -85 | 0.15 | 0.29 | 0.29 | 0.29 | 0.30 | 0.30 | 0.29 | 0.29 | 0.29 | 0.36 |
| -90 | | | | | | | | | | |
| Total | 799.10 | 1572.04 | 1508.14 | 1411.16 | 1275.17 | 1095.98 | 891.64 | 687.82 | 510.04 | 456.37 |

Vert. Horizontal Angles

| Angles | 19.5 | 22.5 | 25.5 | 29 | 33 | 37.5 | 42.5 | 47.5 | 55 | 65 |
|---------------|-------------|-------------|-------------|-----------|-----------|-------------|-------------|-------------|-----------|-----------|
| 90 | 0.43 | 0.43 | 0.51 | 0.59 | 0.65 | 0.67 | 0.59 | 0.73 | 0.62 | 0.25 |
| 85 | 3.36 | 3.31 | 3.81 | 4.28 | 4.55 | 4.50 | 3.85 | 4.53 | 3.71 | 1.54 |
| 75 | 6.65 | 6.45 | 7.29 | 7.98 | 8.28 | 8.04 | 6.73 | 7.62 | 6.02 | 2.51 |
| 65 | 10.05 | 9.63 | 10.70 | 11.41 | 11.59 | 11.11 | 9.14 | 10.17 | 7.93 | 3.31 |
| 55 | 8.87 | 8.55 | 9.52 | 10.14 | 10.35 | 10.02 | 8.27 | 9.06 | 6.97 | 2.94 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|---------|------|------|------|------|------|------|------|------|------|
| 47.5 | | | | | | | | | | |
| | 5.84 | 5.71 | 6.43 | 6.95 | 7.21 | 7.14 | 6.03 | 6.61 | 5.06 | 2.15 |
| 42.5 | 5.73 | 5.56 | 6.26 | 6.80 | 7.12 | 7.13 | 6.11 | 6.86 | 5.34 | 2.29 |
| 37.5 | 5.48 | 5.13 | 5.59 | 5.95 | 6.23 | 6.28 | 5.43 | 6.26 | 5.01 | 2.17 |
| 33 | 5.80 | 5.14 | 5.28 | 5.32 | 5.38 | 5.39 | 4.70 | 5.56 | 4.58 | 2.01 |
| 29 | 6.40 | 5.32 | 5.14 | 4.87 | 4.67 | 4.56 | 4.00 | 4.84 | 4.09 | 1.81 |
| 25.5 | 7.03 | 5.45 | 4.95 | 4.45 | 4.04 | 3.82 | 3.35 | 4.10 | 3.53 | 1.58 |
| 22.5 | 9.01 | 6.58 | 5.61 | 4.73 | 4.11 | 3.78 | 3.28 | 4.06 | 3.56 | 1.61 |
| 19.5 | 9.29 | 6.51 | 5.23 | 4.18 | 3.51 | 3.15 | 2.69 | 3.34 | 2.98 | 1.36 |
| 17 | 8.69 | 5.92 | 4.58 | 3.51 | 2.87 | 2.52 | 2.13 | 2.66 | 2.39 | 1.09 |
| 15 | 9.80 | 6.53 | 4.95 | 3.68 | 2.93 | 2.53 | 2.12 | 2.65 | 2.39 | 1.10 |
| 13 | 10.87 | 7.03 | 5.29 | 3.86 | 2.99 | 2.55 | 2.12 | 2.65 | 2.39 | 1.11 |
| 11 | 12.12 | 7.52 | 5.56 | 4.00 | 3.05 | 2.56 | 2.11 | 2.64 | 2.39 | 1.11 |
| 9 | 13.31 | 7.96 | 5.79 | 4.13 | 3.11 | 2.57 | 2.11 | 2.63 | 2.39 | 1.12 |
| 7 | 14.03 | 8.25 | 5.99 | 4.27 | 3.16 | 2.58 | 2.10 | 2.62 | 2.39 | 1.12 |
| 5 | 14.71 * | 8.42 | 6.12 | 4.36 | 3.19 | 2.58 | 2.09 | 2.62 | 2.40 | 1.13 |
| 3 | 15.34 * | 8.49 | 6.18 | 4.42 | 3.21 | 2.58 | 2.09 | 2.62 | 2.40 | 1.13 |
| 1 | 7.81 * | 4.26 | 3.10 | 2.23 | 1.61 | 1.29 | 1.04 | 1.31 | 1.20 | 0.56 |
| 0 | 7.81 * | 4.26 | 3.10 | 2.23 | 1.61 | 1.29 | 1.04 | 1.31 | 1.20 | 0.56 |
| -1 | 15.34 * | 8.49 | 6.18 | 4.42 | 3.21 | 2.58 | 2.09 | 2.62 | 2.40 | 1.13 |
| -3 | 14.71 * | 8.42 | 6.12 | 4.36 | 3.19 | 2.58 | 2.09 | 2.62 | 2.40 | 1.13 |
| -5 | 14.03 | 8.25 | 5.99 | 4.27 | 3.16 | 2.58 | 2.10 | 2.62 | 2.39 | 1.12 |
| -7 | 13.31 | 7.96 | 5.79 | 4.13 | 3.11 | 2.57 | 2.11 | 2.63 | 2.39 | 1.12 |
| -9 | 12.12 | 7.52 | 5.56 | 4.00 | 3.05 | 2.56 | 2.11 | 2.64 | 2.39 | 1.11 |
| -11 | 10.87 | 7.03 | 5.29 | 3.86 | 2.99 | 2.55 | 2.12 | 2.65 | 2.39 | 1.11 |
| -13 | 9.80 | 6.53 | 4.95 | 3.68 | 2.93 | 2.53 | 2.12 | 2.65 | 2.39 | 1.10 |
| -15 | 8.69 | 5.92 | 4.58 | 3.51 | 2.87 | 2.52 | 2.13 | 2.66 | 2.39 | 1.09 |
| -17 | 9.29 | 6.51 | 5.23 | 4.18 | 3.51 | 3.15 | 2.69 | 3.34 | 2.98 | 1.36 |
| -19.5 | 9.01 | 6.58 | 5.61 | 4.73 | 4.11 | 3.78 | 3.28 | 4.06 | 3.56 | 1.61 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

| | | | | | | | | | | |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| -22.5 | 7.03 | 5.45 | 4.95 | 4.45 | 4.04 | 3.82 | 3.35 | 4.10 | 3.53 | 1.58 |
| -25.5 | 6.40 | 5.32 | 5.14 | 4.87 | 4.67 | 4.56 | 4.00 | 4.84 | 4.09 | 1.81 |
| -29 | 5.80 | 5.14 | 5.28 | 5.32 | 5.38 | 5.39 | 4.70 | 5.56 | 4.58 | 2.01 |
| -33 | 5.48 | 5.13 | 5.59 | 5.95 | 6.23 | 6.28 | 5.43 | 6.26 | 5.01 | 2.17 |
| -37.5 | 5.73 | 5.56 | 6.26 | 6.80 | 7.12 | 7.13 | 6.11 | 6.86 | 5.34 | 2.29 |
| -42.5 | 5.84 | 5.71 | 6.43 | 6.95 | 7.21 | 7.14 | 6.03 | 6.61 | 5.06 | 2.15 |
| -47.5 | 8.87 | 8.55 | 9.52 | 10.14 | 10.35 | 10.02 | 8.27 | 9.06 | 6.97 | 2.94 |
| -55 | 10.05 | 9.63 | 10.70 | 11.41 | 11.59 | 11.11 | 9.14 | 10.17 | 7.93 | 3.31 |
| -65 | 6.65 | 6.45 | 7.29 | 7.98 | 8.28 | 8.04 | 6.73 | 7.62 | 6.02 | 2.51 |
| -75 | 3.36 | 3.31 | 3.81 | 4.28 | 4.55 | 4.50 | 3.85 | 4.53 | 3.71 | 1.54 |
| -85 | 0.43 | 0.43 | 0.51 | 0.59 | 0.65 | 0.67 | 0.59 | 0.73 | 0.62 | 0.25 |
| -90 | | | | | | | | | | |
| Total | 381.26 | 276.28 | 247.76 | 224.20 | 207.58 | 194.73 | 164.16 | 192.25 | 159.48 | 69.96 |

| Vert. Angles | Horizontal Angles | | | |
|-----------------|-------------------|-----------|-----------|--------------|
| | <u>75</u> | <u>85</u> | <u>90</u> | <u>Total</u> |
| 90 | | | | |
| | 0.05 | 0.00 | | 8.37 |
| 85 | | | | |
| | 0.34 | 0.01 | | 60.23 |
| 75 | | | | |
| | 0.60 | 0.02 | | 115.20 |
| 65 | | | | |
| | 0.80 | 0.03 | | 168.40 |
| 55 | | | | |
| | 0.72 | 0.02 | | 147.65 |
| 47.5 | | | | |
| | 0.53 | 0.02 | | 99.38 |
| 42.5 | | | | |
| | 0.56 | 0.02 | | 99.32 |
| 37.5 | | | | |
| | 0.53 | 0.02 | | 95.66 |
| 33 | | | | |
| | 0.49 | 0.02 | | 101.65 |
| 29 | | | | |
| | 0.44 | 0.01 | | 116.63 |
| 25.5 | | | | |
| | 0.39 | 0.01 | | 136.24 |
| 22.5 | | | | |
| | 0.39 | 0.01 | | 195.64 |
| 19.5 | | | | |
| | 0.33 | 0.01 | | 237.17 |
| 17 | | | | |
| | 0.27 | 0.01 | | 261.56 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

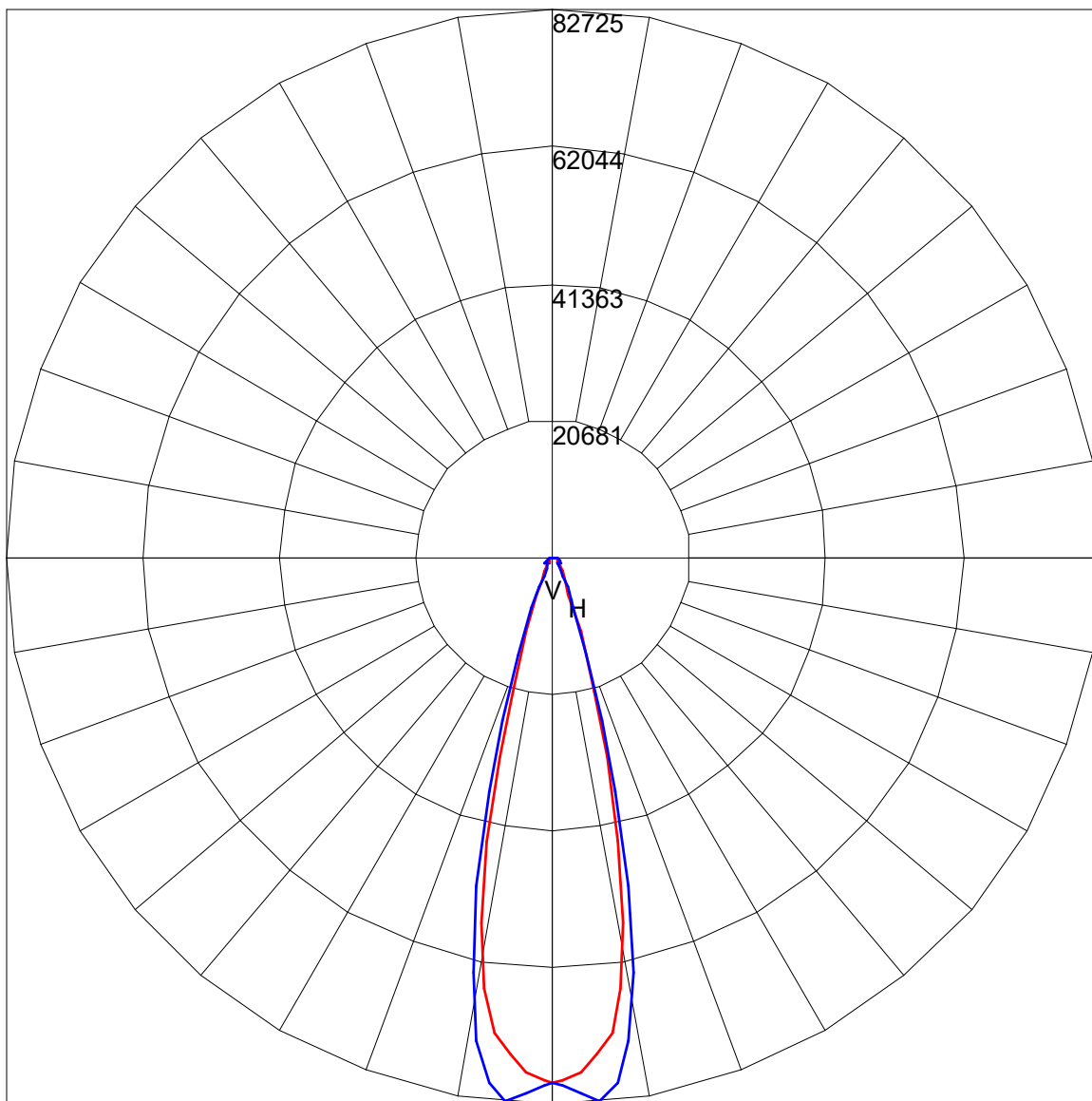
| | | | |
|--------------|------|------|--------|
| 15 | 0.27 | 0.01 | 346.95 |
| 13 | 0.27 | 0.01 | 443.42 |
| 11 | 0.28 | 0.01 | 536.43 |
| 9 | 0.28 | 0.01 | 612.41 |
| 7 | 0.28 | 0.01 | 661.70 |
| 5 | 0.28 | 0.01 | 686.05 |
| 3 | 0.28 | 0.01 | 694.28 |
| 1 | 0.14 | 0.00 | 347.03 |
| 0 | 0.14 | 0.00 | 347.03 |
| -1 | 0.28 | 0.01 | 694.28 |
| -3 | 0.28 | 0.01 | 686.05 |
| -5 | 0.28 | 0.01 | 661.70 |
| -7 | 0.28 | 0.01 | 612.41 |
| -9 | 0.28 | 0.01 | 536.43 |
| -11 | 0.27 | 0.01 | 443.42 |
| -13 | 0.27 | 0.01 | 346.95 |
| -15 | 0.27 | 0.01 | 261.56 |
| -17 | 0.33 | 0.01 | 237.17 |
| -19.5 | 0.39 | 0.01 | 195.64 |
| -22.5 | 0.39 | 0.01 | 136.24 |
| -25.5 | 0.44 | 0.01 | 116.63 |
| -29 | 0.49 | 0.02 | 101.65 |
| -33 | 0.53 | 0.02 | 95.66 |
| -37.5 | 0.56 | 0.02 | 99.32 |
| -42.5 | 0.53 | 0.02 | 99.38 |
| -47.5 | 0.72 | 0.02 | 147.65 |
| -55 | 0.80 | 0.03 | 168.40 |
| -65 | 0.60 | 0.02 | 115.20 |

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-NF-40-80.IES

LUMENS TABULATION - (Cont.)

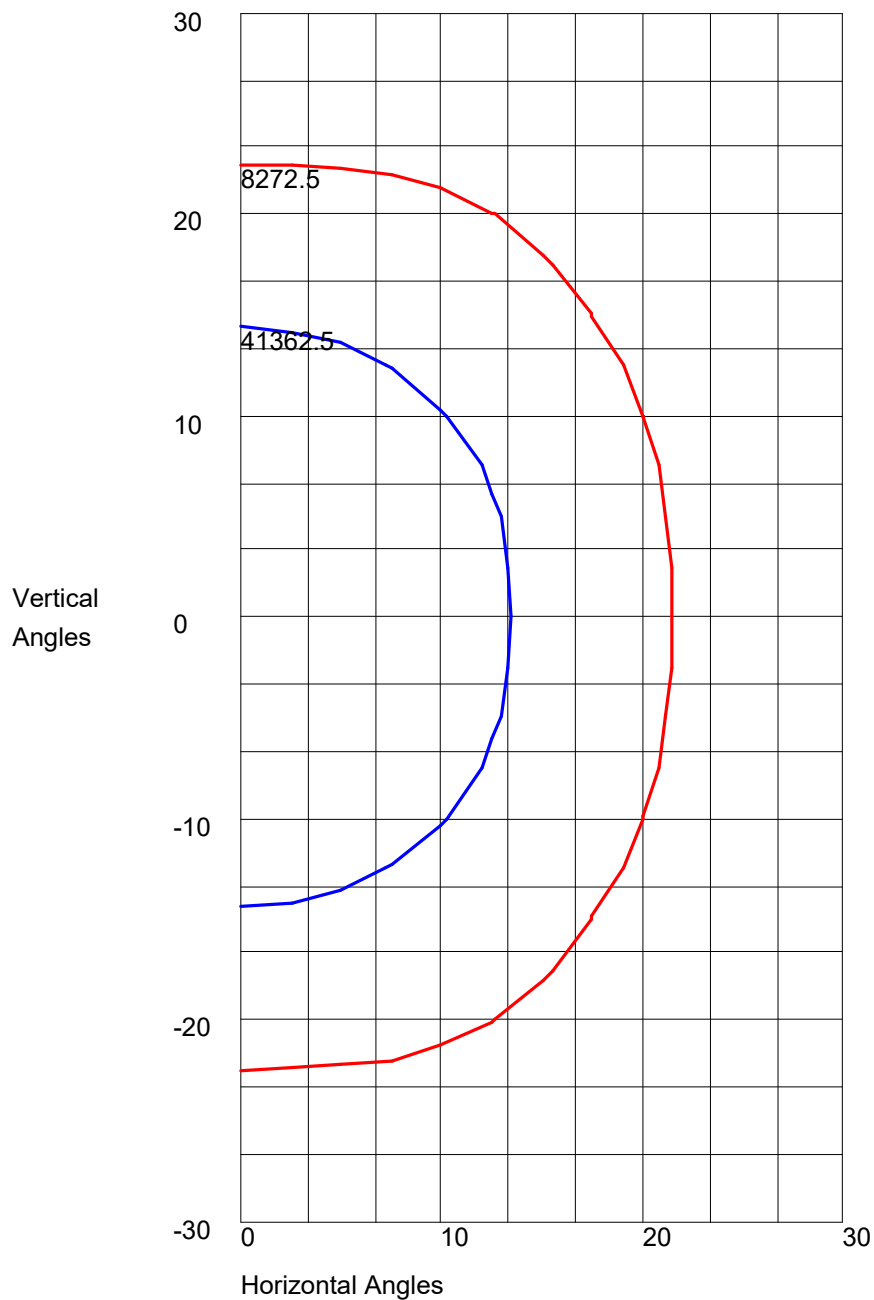
| | | | |
|-------|-------|------|---------|
| -75 | 0.34 | 0.01 | 60.23 |
| -85 | 0.05 | 0.00 | 8.37 |
| -90 | | | |
| Total | 17.04 | 0.54 | 12342.7 |

AXIAL CANDELA DISPLAY



Maximum Candela = 82725 Located At Horizontal Angle = 0, Vertical Angle = -5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 82725 Located At Horizontal Angle = 0, Vertical Angle = -5
50% Maximum Candela = 41362.5
10% Maximum Candela = 8272.5