



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPG-LED-7L-CA-W-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 3354
[TESTLAB] TUV SUD America
[TESTDATE] 2/21/2018 5:35:24 PM
[ISSUE DATE] 04/24/2018
[MANUFACTURER] LSI INDUSTRIES, INC
[LUMCAT] CPG-LED-7L-CA-W-50
[OTHER] TEST PROCEDURE: IESNA
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 7898 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 131 |
| Total Luminaire Watts | 60.16 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 2.48 |
| Spacing Criterion (90-270) | 1.74 |
| Spacing Criterion (Diagonal) | 2.96 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 0.58 ft |
| Luminous Width (90-270) | 0.58 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 85093 | 71601 | 63860 |
| 55 | 131351 | 140739 | 124804 |
| 65 | 115189 | 253209 | 105908 |
| 75 | 42343 | 32280 | 25039 |
| 85 | 7788 | 10608 | 5715 |

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CANDELA TABULATION

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> | <u>202.5</u> |
|--------------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 1103.938 | 1103.938 | 1103.938 | 1103.938 | 1103.938 | 1103.938 | 1103.938 | 1103.938 | 1103.938 | 1103.938 |
| 2.5 | 1105.321 | 1103.055 | 1100.674 | 1098.086 | 1098.346 | 1098.086 | 1100.674 | 1103.055 | 1105.321 | 1103.055 |
| 5.0 | 1108.865 | 1102.410 | 1092.618 | 1085.758 | 1084.167 | 1085.758 | 1092.618 | 1102.410 | 1108.865 | 1102.410 |
| 7.5 | 1119.562 | 1106.662 | 1083.699 | 1075.217 | 1076.340 | 1075.217 | 1083.699 | 1106.662 | 1119.562 | 1106.662 |
| 10.0 | 1134.728 | 1114.728 | 1083.211 | 1073.876 | 1076.101 | 1073.876 | 1083.211 | 1114.728 | 1134.728 | 1114.728 |
| 12.5 | 1152.544 | 1124.873 | 1091.589 | 1076.797 | 1078.824 | 1076.797 | 1091.589 | 1124.873 | 1152.544 | 1124.873 |
| 15.0 | 1175.610 | 1140.393 | 1104.593 | 1082.119 | 1079.926 | 1082.119 | 1104.593 | 1140.393 | 1175.610 | 1140.393 |
| 17.5 | 1207.761 | 1163.999 | 1121.474 | 1091.444 | 1085.477 | 1091.444 | 1121.474 | 1163.999 | 1207.761 | 1163.999 |
| 20.0 | 1230.235 | 1189.092 | 1142.285 | 1105.175 | 1093.159 | 1105.175 | 1142.285 | 1189.092 | 1230.235 | 1189.092 |
| 22.5 | 1255.692 | 1210.859 | 1168.469 | 1121.277 | 1101.277 | 1121.277 | 1168.469 | 1210.859 | 1255.692 | 1210.859 |
| 25.0 | 1282.687 | 1235.952 | 1197.398 | 1138.293 | 1108.242 | 1138.293 | 1197.398 | 1235.952 | 1282.687 | 1235.952 |
| 27.5 | 1317.946 | 1268.706 | 1224.414 | 1155.819 | 1118.938 | 1155.819 | 1224.414 | 1268.706 | 1317.946 | 1268.706 |
| 30.0 | 1363.995 | 1312.770 | 1255.037 | 1178.095 | 1135.143 | 1178.095 | 1255.037 | 1312.770 | 1363.995 | 1312.770 |
| 32.5 | 1425.979 | 1368.413 | 1294.714 | 1209.206 | 1159.342 | 1209.206 | 1294.714 | 1368.413 | 1425.979 | 1368.413 |
| 35.0 | 1503.784 | 1436.291 | 1346.833 | 1244.954 | 1188.105 | 1244.954 | 1346.833 | 1436.291 | 1503.784 | 1436.291 |
| 37.5 | 1589.957 | 1512.381 | 1403.423 | 1279.537 | 1215.921 | 1279.537 | 1403.423 | 1512.381 | 1589.957 | 1512.381 |
| 40.0 | 1684.581 | 1599.728 | 1453.245 | 1317.458 | 1257.365 | 1317.458 | 1453.245 | 1599.728 | 1684.581 | 1599.728 |
| 42.5 | 1789.787 | 1702.523 | 1514.897 | 1369.868 | 1323.196 | 1369.868 | 1514.897 | 1702.523 | 1789.787 | 1702.523 |
| 45.0 | 1903.704 | 1825.753 | 1601.870 | 1456.977 | 1428.672 | 1456.977 | 1601.870 | 1825.753 | 1903.704 | 1825.753 |
| 47.5 | 2027.682 | 1969.232 | 1730.755 | 1592.525 | 1578.544 | 1592.525 | 1730.755 | 1969.232 | 2027.682 | 1969.232 |
| 50.0 | 2158.854 | 2148.865 | 1924.670 | 1800.878 | 1779.881 | 1800.878 | 1924.670 | 2148.865 | 2158.854 | 2148.865 |
| 52.5 | 2292.355 | 2374.359 | 2187.658 | 2082.941 | 2022.755 | 2082.941 | 2187.658 | 2374.359 | 2292.355 | 2374.359 |
| 55.0 | 2383.663 | 2622.566 | 2554.033 | 2417.279 | 2264.850 | 2417.279 | 2554.033 | 2622.566 | 2383.663 | 2622.566 |
| 57.5 | 2391.292 | 2838.466 | 3002.164 | 2718.957 | 2424.992 | 2718.957 | 3002.164 | 2838.466 | 2391.292 | 2838.466 |
| 60.0 | 2273.571 | 2924.712 | 3420.159 | 2889.339 | 2436.063 | 2889.339 | 3420.159 | 2924.712 | 2273.571 | 2924.712 |
| 62.5 | 1991.072 | 2770.422 | 3641.018 | 2817.375 | 2114.178 | 2817.375 | 3641.018 | 2770.422 | 1991.072 | 2770.422 |
| 65.0 | 1540.208 | 2281.045 | 3385.701 | 2356.210 | 1416.115 | 2356.210 | 3385.701 | 2281.045 | 1540.208 | 2281.045 |
| 67.5 | 1017.464 | 1499.866 | 2519.783 | 1498.546 | 694.404 | 1498.546 | 2519.783 | 1499.866 | 1017.464 | 1499.866 |
| 70.0 | 579.874 | 749.725 | 1376.511 | 628.189 | 295.503 | 628.189 | 1376.511 | 749.725 | 579.874 | 749.725 |
| 72.5 | 382.996 | 375.928 | 528.503 | 292.832 | 222.729 | 292.832 | 528.503 | 375.928 | 382.996 | 375.928 |
| 75.0 | 346.739 | 295.462 | 264.329 | 235.536 | 205.037 | 235.536 | 264.329 | 295.462 | 346.739 | 295.462 |
| 77.5 | 314.027 | 280.514 | 237.854 | 207.834 | 174.893 | 207.834 | 237.854 | 280.514 | 314.027 | 280.514 |
| 80.0 | 270.920 | 233.155 | 213.883 | 175.828 | 120.777 | 175.828 | 213.883 | 233.155 | 270.920 | 233.155 |
| 82.5 | 131.276 | 137.295 | 112.898 | 105.850 | 61.069 | 105.850 | 112.898 | 137.295 | 131.276 | 137.295 |
| 85.0 | 21.476 | 35.872 | 29.251 | 24.760 | 15.759 | 24.760 | 29.251 | 35.872 | 21.476 | 35.872 |
| 87.5 | 1.445 | 1.383 | 2.152 | 1.466 | 0.956 | 1.466 | 2.152 | 1.383 | 1.445 | 1.383 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPG-LED-7L-CA-W-50.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Vert. Horizontal Angles

| | <u>225.0</u> | <u>247.5</u> | <u>270.0</u> | <u>292.5</u> | <u>315.0</u> | <u>337.5</u> | <u>360.0</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 1103.938 | 1103.938 | 1103.938 | 1103.938 | 1103.938 | 1103.938 | 1103.938 |
| 2.5 | 1100.674 | 1098.086 | 1098.346 | 1098.086 | 1100.674 | 1103.055 | 1105.321 |
| 5.0 | 1092.618 | 1085.758 | 1084.167 | 1085.758 | 1092.618 | 1102.410 | 1108.865 |
| 7.5 | 1083.699 | 1075.217 | 1076.340 | 1075.217 | 1083.699 | 1106.662 | 1119.562 |
| 10.0 | 1083.211 | 1073.876 | 1076.101 | 1073.876 | 1083.211 | 1114.728 | 1134.728 |
| 12.5 | 1091.589 | 1076.797 | 1078.824 | 1076.797 | 1091.589 | 1124.873 | 1152.544 |
| 15.0 | 1104.593 | 1082.119 | 1079.926 | 1082.119 | 1104.593 | 1140.393 | 1175.610 |
| 17.5 | 1121.474 | 1091.444 | 1085.477 | 1091.444 | 1121.474 | 1163.999 | 1207.761 |
| 20.0 | 1142.285 | 1105.175 | 1093.159 | 1105.175 | 1142.285 | 1189.092 | 1230.235 |
| 22.5 | 1168.469 | 1121.277 | 1101.277 | 1121.277 | 1168.469 | 1210.859 | 1255.692 |
| 25.0 | 1197.398 | 1138.293 | 1108.242 | 1138.293 | 1197.398 | 1235.952 | 1282.687 |
| 27.5 | 1224.414 | 1155.819 | 1118.938 | 1155.819 | 1224.414 | 1268.706 | 1317.946 |
| 30.0 | 1255.037 | 1178.095 | 1135.143 | 1178.095 | 1255.037 | 1312.770 | 1363.995 |
| 32.5 | 1294.714 | 1209.206 | 1159.342 | 1209.206 | 1294.714 | 1368.413 | 1425.979 |
| 35.0 | 1346.833 | 1244.954 | 1188.105 | 1244.954 | 1346.833 | 1436.291 | 1503.784 |
| 37.5 | 1403.423 | 1279.537 | 1215.921 | 1279.537 | 1403.423 | 1512.381 | 1589.957 |
| 40.0 | 1453.245 | 1317.458 | 1257.365 | 1317.458 | 1453.245 | 1599.728 | 1684.581 |
| 42.5 | 1514.897 | 1369.868 | 1323.196 | 1369.868 | 1514.897 | 1702.523 | 1789.787 |
| 45.0 | 1601.870 | 1456.977 | 1428.672 | 1456.977 | 1601.870 | 1825.753 | 1903.704 |
| 47.5 | 1730.755 | 1592.525 | 1578.544 | 1592.525 | 1730.755 | 1969.232 | 2027.682 |
| 50.0 | 1924.670 | 1800.878 | 1779.881 | 1800.878 | 1924.670 | 2148.865 | 2158.854 |
| 52.5 | 2187.658 | 2082.941 | 2022.755 | 2082.941 | 2187.658 | 2374.359 | 2292.355 |
| 55.0 | 2554.033 | 2417.279 | 2264.850 | 2417.279 | 2554.033 | 2622.566 | 2383.663 |
| 57.5 | 3002.164 | 2718.957 | 2424.992 | 2718.957 | 3002.164 | 2838.466 | 2391.292 |
| 60.0 | 3420.159 | 2889.339 | 2436.063 | 2889.339 | 3420.159 | 2924.712 | 2273.571 |
| 62.5 | 3641.018 | 2817.375 | 2114.178 | 2817.375 | 3641.018 | 2770.422 | 1991.072 |
| 65.0 | 3385.701 | 2356.210 | 1416.115 | 2356.210 | 3385.701 | 2281.045 | 1540.208 |
| 67.5 | 2519.783 | 1498.546 | 694.404 | 1498.546 | 2519.783 | 1499.866 | 1017.464 |
| 70.0 | 1376.511 | 628.189 | 295.503 | 628.189 | 1376.511 | 749.725 | 579.874 |
| 72.5 | 528.503 | 292.832 | 222.729 | 292.832 | 528.503 | 375.928 | 382.996 |
| 75.0 | 264.329 | 235.536 | 205.037 | 235.536 | 264.329 | 295.462 | 346.739 |
| 77.5 | 237.854 | 207.834 | 174.893 | 207.834 | 237.854 | 280.514 | 314.027 |
| 80.0 | 213.883 | 175.828 | 120.777 | 175.828 | 213.883 | 233.155 | 270.920 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | |
|-------|---------|---------|--------|---------|---------|---------|---------|
| 82.5 | 112.898 | 105.850 | 61.069 | 105.850 | 112.898 | 137.295 | 131.276 |
| 85.0 | 29.251 | 24.760 | 15.759 | 24.760 | 29.251 | 35.872 | 21.476 |
| 87.5 | 2.152 | 1.466 | 0.956 | 1.466 | 2.152 | 1.383 | 1.445 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPG-LED-7L-CA-W-50.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 421.94 | N.A. | 5.30 |
| 0-30 | 976.10 | N.A. | 12.40 |
| 0-40 | 1825.04 | N.A. | 23.10 |
| 0-60 | 5337.38 | N.A. | 67.60 |
| 0-80 | 7831.56 | N.A. | 99.20 |
| 0-90 | 7897.84 | N.A. | 100.00 |
| 10-90 | 7793.4 | N.A. | 98.70 |
| 20-40 | 1403.11 | N.A. | 17.80 |
| 20-50 | 2697.38 | N.A. | 34.20 |
| 40-70 | 5641.57 | N.A. | 71.40 |
| 60-80 | 2494.18 | N.A. | 31.60 |
| 70-80 | 364.95 | N.A. | 4.60 |
| 80-90 | 66.28 | N.A. | 0.80 |
| 90-110 | 0.00 | N.A. | 0.00 |
| 90-120 | 0.00 | N.A. | 0.00 |
| 90-130 | 0.00 | N.A. | 0.00 |
| 90-150 | 0.00 | N.A. | 0.00 |
| 90-180 | 0.00 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 7897.84 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 104.44 |
| 10-20 | 317.50 |
| 20-30 | 554.16 |
| 30-40 | 848.94 |
| 40-50 | 1294.27 |
| 50-60 | 2218.06 |
| 60-70 | 2129.23 |
| 70-80 | 364.95 |
| 80-90 | 66.28 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

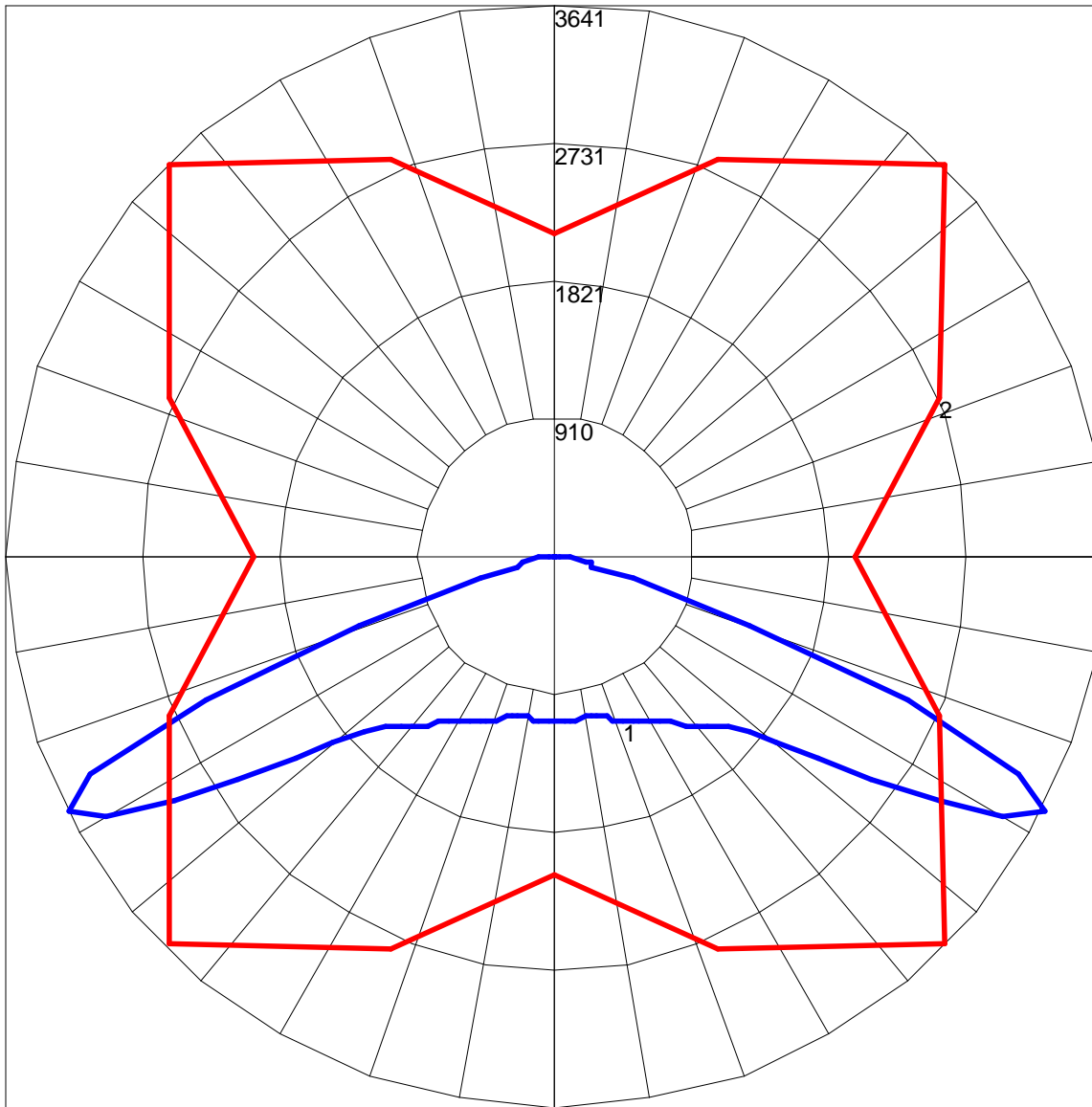
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CPG-LED-7L-CA-W-50.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 108 | 102 | 97 | 93 | 105 | 100 | 96 | 92 | 96 | 92 | 89 | 92 | 89 | 86 | 88 | 86 | 83 | 81 |
| 2 | 96 | 86 | 78 | 72 | 93 | 84 | 77 | 71 | 80 | 74 | 69 | 77 | 72 | 67 | 74 | 70 | 66 | 63 |
| 3 | 85 | 73 | 63 | 56 | 82 | 71 | 62 | 55 | 68 | 60 | 54 | 65 | 59 | 53 | 62 | 57 | 52 | 50 |
| 4 | 76 | 62 | 52 | 44 | 74 | 61 | 51 | 44 | 58 | 50 | 43 | 56 | 48 | 42 | 53 | 47 | 42 | 39 |
| 5 | 69 | 54 | 43 | 35 | 66 | 52 | 43 | 35 | 50 | 41 | 35 | 48 | 40 | 34 | 46 | 39 | 34 | 31 |
| 6 | 62 | 47 | 37 | 29 | 60 | 46 | 36 | 29 | 44 | 35 | 29 | 42 | 34 | 28 | 40 | 33 | 28 | 26 |
| 7 | 57 | 41 | 31 | 24 | 55 | 41 | 31 | 24 | 39 | 30 | 24 | 37 | 30 | 24 | 36 | 29 | 24 | 21 |
| 8 | 52 | 37 | 27 | 21 | 51 | 36 | 27 | 21 | 35 | 27 | 21 | 34 | 26 | 20 | 32 | 25 | 20 | 18 |
| 9 | 49 | 33 | 24 | 18 | 47 | 33 | 24 | 18 | 32 | 23 | 18 | 30 | 23 | 18 | 29 | 23 | 18 | 15 |
| 10 | 45 | 30 | 22 | 16 | 44 | 30 | 21 | 16 | 29 | 21 | 16 | 28 | 21 | 16 | 27 | 20 | 15 | 13 |

POLAR GRAPH



Maximum Candela = 3641.018 Located At Horizontal Angle = 45, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (62.5) (Through Max. Cd.)