



IES INDOOR REPORT

PHOTOMETRIC FILENAME : DIG-S22-L48-940-AD-(L40)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM DI 22 3800
 [TESTLAB] Intertek
 [ISSUE DATE] 08 DECEMBER 2020
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] DIG-S22-L48-940-AD-(L40)-DIM-UNV
 [LUMINAIRE] RECESSED DIRECT INDIRECT LED LUMINAIRE
 [LAMP] HLM 80 CRI 4000K CCT
 [_SEARCH_SOURCE TYPE] LED
 [_SEARCH_APPLICATION] INDOOR, CLASSROOM, OFFICE
 [_SEARCH_MOUNTING] RECESSED

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 3550 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 104 |
| Total Luminaire Watts | 34 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.30 |
| Spacing Criterion (90-270) | 1.20 |
| Spacing Criterion (Diagonal) | 1.36 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 1.92 ft |
| Luminous Width (90-270) | 1.92 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 3671 | 3352 | 3011 |
| 55 | 3764 | 3259 | 2753 |
| 65 | 4103 | 3250 | 2487 |
| 75 | 2866 | 3014 | 2215 |
| 85 | 2404 | 2155 | 1892 |

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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 | 1236.722 | 1236.722 | 1236.722 | 1236.722 | 1236.722 | 1236.722 | 1236.722 | 1236.722 | 1236.722 | 1236.722 |
| 2.5 | 1238.441 | 1237.486 | 1234.334 | 1233.952 | 1233.475 | 1232.806 | 1233.093 | 1236.626 | 1238.345 | 1236.626 |
| 5.0 | 1235.576 | 1234.525 | 1231.182 | 1230.036 | 1228.604 | 1227.553 | 1228.795 | 1232.997 | 1235.480 | 1232.997 |
| 7.5 | 1229.750 | 1228.699 | 1224.783 | 1222.300 | 1219.913 | 1218.480 | 1221.250 | 1227.171 | 1230.323 | 1227.171 |
| 10.0 | 1221.154 | 1219.626 | 1215.137 | 1210.935 | 1207.783 | 1206.160 | 1210.648 | 1218.766 | 1222.969 | 1218.766 |
| 12.5 | 1210.553 | 1208.261 | 1201.862 | 1199.761 | 1194.985 | 1194.030 | 1196.991 | 1207.879 | 1213.132 | 1207.879 |
| 15.0 | 1197.468 | 1194.317 | 1188.777 | 1179.035 | 1172.159 | 1172.541 | 1182.187 | 1193.935 | 1201.002 | 1193.935 |
| 17.5 | 1182.951 | 1178.749 | 1170.440 | 1157.546 | 1149.906 | 1149.810 | 1164.136 | 1178.080 | 1186.485 | 1178.080 |
| 20.0 | 1166.620 | 1160.794 | 1147.136 | 1134.147 | 1124.883 | 1125.456 | 1139.591 | 1159.266 | 1170.153 | 1159.266 |
| 22.5 | 1148.187 | 1140.451 | 1123.450 | 1106.641 | 1095.371 | 1096.517 | 1114.855 | 1138.922 | 1151.434 | 1138.922 |
| 25.0 | 1127.557 | 1118.962 | 1097.854 | 1076.938 | 1063.567 | 1065.382 | 1088.972 | 1116.765 | 1130.518 | 1116.765 |
| 27.5 | 1104.922 | 1094.703 | 1068.725 | 1044.179 | 1028.898 | 1032.528 | 1059.652 | 1092.315 | 1107.787 | 1092.315 |
| 30.0 | 1079.899 | 1067.674 | 1037.876 | 1008.555 | 991.937 | 996.808 | 1028.421 | 1065.478 | 1082.955 | 1065.478 |
| 32.5 | 1052.680 | 1037.971 | 1004.639 | 970.830 | 952.875 | 958.892 | 994.898 | 1035.870 | 1054.876 | 1035.870 |
| 35.0 | 1023.836 | 1006.932 | 969.493 | 931.194 | 911.616 | 919.065 | 959.465 | 1003.302 | 1024.696 | 1003.302 |
| 37.5 | 992.701 | 973.695 | 932.436 | 890.890 | 867.969 | 877.233 | 921.930 | 969.397 | 992.892 | 969.397 |
| 40.0 | 959.465 | 938.644 | 893.660 | 846.575 | 822.412 | 832.631 | 883.250 | 934.346 | 960.133 | 934.346 |
| 42.5 | 924.987 | 902.447 | 853.165 | 803.501 | 776.186 | 787.647 | 843.519 | 898.818 | 926.228 | 898.818 |
| 45.0 | 889.744 | 864.626 | 812.575 | 758.327 | 729.865 | 743.141 | 801.114 | 862.620 | 892.037 | 862.620 |
| 47.5 | 852.879 | 826.901 | 769.883 | 712.292 | 683.067 | 697.489 | 759.186 | 823.749 | 856.603 | 823.749 |
| 50.0 | 815.440 | 787.074 | 726.618 | 665.876 | 635.409 | 651.359 | 716.781 | 785.260 | 818.592 | 785.260 |
| 52.5 | 777.237 | 746.484 | 683.640 | 619.364 | 588.037 | 605.229 | 674.567 | 746.197 | 781.248 | 746.197 |
| 55.0 | 740.180 | 706.562 | 640.853 | 573.043 | 541.239 | 559.194 | 632.639 | 707.421 | 745.624 | 707.421 |
| 57.5 | 704.365 | 667.404 | 598.066 | 527.295 | 494.727 | 513.924 | 590.807 | 669.696 | 712.197 | 669.696 |
| 60.0 | 669.887 | 629.296 | 555.087 | 482.215 | 448.883 | 469.418 | 549.070 | 633.212 | 680.870 | 633.212 |
| 62.5 | 634.072 | 591.476 | 512.587 | 437.996 | 404.091 | 425.962 | 507.811 | 597.779 | 646.297 | 597.779 |
| 65.0 | 594.436 | 550.694 | 470.850 | 394.349 | 360.253 | 383.843 | 467.125 | 557.571 | 606.948 | 557.571 |
| 67.5 | 532.261 | 502.941 | 429.114 | 352.039 | 317.275 | 342.202 | 426.057 | 508.671 | 540.570 | 508.671 |
| 70.0 | 422.428 | 428.731 | 384.894 | 310.494 | 275.729 | 301.707 | 381.073 | 431.310 | 429.591 | 431.310 |
| 72.5 | 312.022 | 324.247 | 332.842 | 269.426 | 235.521 | 261.021 | 327.780 | 325.393 | 310.589 | 325.393 |
| 75.0 | 254.240 | 252.712 | 267.420 | 228.453 | 196.554 | 220.239 | 261.116 | 244.498 | 247.363 | 244.498 |
| 77.5 | 198.464 | 201.329 | 199.992 | 186.621 | 159.019 | 178.598 | 191.396 | 192.256 | 190.155 | 192.256 |
| 80.0 | 148.609 | 148.418 | 152.143 | 143.261 | 122.727 | 135.811 | 144.216 | 140.586 | 141.733 | 140.586 |
| 82.5 | 109.165 | 106.108 | 106.299 | 101.047 | 88.631 | 95.221 | 99.518 | 99.805 | 102.766 | 99.805 |
| 85.0 | 71.821 | 67.906 | 64.372 | 62.175 | 56.540 | 60.934 | 63.512 | 65.804 | 68.956 | 65.804 |
| 87.5 | 36.484 | 34.383 | 31.040 | 30.562 | 28.175 | 29.321 | 29.607 | 31.613 | 32.663 | 31.613 |
| 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 : DIG-S22-L48-940-AD-(L40)-DIM-UNV_.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. Angles **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 | 1236.722 | 1236.722 | 1236.722 | 1236.722 | 1236.722 | 1236.722 | 1236.722 |
| 2.5 | 1233.093 | 1232.806 | 1233.475 | 1233.952 | 1234.334 | 1237.486 | 1238.441 |
| 5.0 | 1228.795 | 1227.553 | 1228.604 | 1230.036 | 1231.182 | 1234.525 | 1235.576 |
| 7.5 | 1221.250 | 1218.480 | 1219.913 | 1222.300 | 1224.783 | 1228.699 | 1229.750 |
| 10.0 | 1210.648 | 1206.160 | 1207.783 | 1210.935 | 1215.137 | 1219.626 | 1221.154 |
| 12.5 | 1196.991 | 1194.030 | 1194.985 | 1199.761 | 1201.862 | 1208.261 | 1210.553 |
| 15.0 | 1182.187 | 1172.541 | 1172.159 | 1179.035 | 1188.777 | 1194.317 | 1197.468 |
| 17.5 | 1164.136 | 1149.810 | 1149.906 | 1157.546 | 1170.440 | 1178.749 | 1182.951 |
| 20.0 | 1139.591 | 1125.456 | 1124.883 | 1134.147 | 1147.136 | 1160.794 | 1166.620 |
| 22.5 | 1114.855 | 1096.517 | 1095.371 | 1106.641 | 1123.450 | 1140.451 | 1148.187 |
| 25.0 | 1088.972 | 1065.382 | 1063.567 | 1076.938 | 1097.854 | 1118.962 | 1127.557 |
| 27.5 | 1059.652 | 1032.528 | 1028.898 | 1044.179 | 1068.725 | 1094.703 | 1104.922 |
| 30.0 | 1028.421 | 996.808 | 991.937 | 1008.555 | 1037.876 | 1067.674 | 1079.899 |
| 32.5 | 994.898 | 958.892 | 952.875 | 970.830 | 1004.639 | 1037.971 | 1052.680 |
| 35.0 | 959.465 | 919.065 | 911.616 | 931.194 | 969.493 | 1006.932 | 1023.836 |
| 37.5 | 921.930 | 877.233 | 867.969 | 890.890 | 932.436 | 973.695 | 992.701 |
| 40.0 | 883.250 | 832.631 | 822.412 | 846.575 | 893.660 | 938.644 | 959.465 |
| 42.5 | 843.519 | 787.647 | 776.186 | 803.501 | 853.165 | 902.447 | 924.987 |
| 45.0 | 801.114 | 743.141 | 729.865 | 758.327 | 812.575 | 864.626 | 889.744 |
| 47.5 | 759.186 | 697.489 | 683.067 | 712.292 | 769.883 | 826.901 | 852.879 |
| 50.0 | 716.781 | 651.359 | 635.409 | 665.876 | 726.618 | 787.074 | 815.440 |
| 52.5 | 674.567 | 605.229 | 588.037 | 619.364 | 683.640 | 746.484 | 777.237 |
| 55.0 | 632.639 | 559.194 | 541.239 | 573.043 | 640.853 | 706.562 | 740.180 |
| 57.5 | 590.807 | 513.924 | 494.727 | 527.295 | 598.066 | 667.404 | 704.365 |
| 60.0 | 549.070 | 469.418 | 448.883 | 482.215 | 555.087 | 629.296 | 669.887 |
| 62.5 | 507.811 | 425.962 | 404.091 | 437.996 | 512.587 | 591.476 | 634.072 |
| 65.0 | 467.125 | 383.843 | 360.253 | 394.349 | 470.850 | 550.694 | 594.436 |
| 67.5 | 426.057 | 342.202 | 317.275 | 352.039 | 429.114 | 502.941 | 532.261 |
| 70.0 | 381.073 | 301.707 | 275.729 | 310.494 | 384.894 | 428.731 | 422.428 |
| 72.5 | 327.780 | 261.021 | 235.521 | 269.426 | 332.842 | 324.247 | 312.022 |
| 75.0 | 261.116 | 220.239 | 196.554 | 228.453 | 267.420 | 252.712 | 254.240 |
| 77.5 | 191.396 | 178.598 | 159.019 | 186.621 | 199.992 | 201.329 | 198.464 |
| 80.0 | 144.216 | 135.811 | 122.727 | 143.261 | 152.143 | 148.418 | 148.609 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DIG-S22-L48-940-AD-(L40)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | |
|-------|--------|--------|--------|---------|---------|---------|---------|
| 82.5 | 99.518 | 95.221 | 88.631 | 101.047 | 106.299 | 106.108 | 109.165 |
| 85.0 | 63.512 | 60.934 | 56.540 | 62.175 | 64.372 | 67.906 | 71.821 |
| 87.5 | 29.607 | 29.321 | 28.175 | 30.562 | 31.040 | 34.383 | 36.484 |
| 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 : DIG-S22-L48-940-AD-(L40)-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 451.40 | N.A. | 12.70 |
| 0-30 | 955.73 | N.A. | 26.90 |
| 0-40 | 1559.69 | N.A. | 43.90 |
| 0-60 | 2754.42 | N.A. | 77.60 |
| 0-80 | 3477.46 | N.A. | 98.00 |
| 0-90 | 3549.89 | N.A. | 100.00 |
| 10-90 | 3432.92 | N.A. | 96.70 |
| 20-40 | 1108.29 | N.A. | 31.20 |
| 20-50 | 1731.66 | N.A. | 48.80 |
| 40-70 | 1659.15 | N.A. | 46.70 |
| 60-80 | 723.04 | N.A. | 20.40 |
| 70-80 | 258.62 | N.A. | 7.30 |
| 80-90 | 72.43 | N.A. | 2.00 |
| 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 | 3549.89 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 116.97 |
| 10-20 | 334.43 |
| 20-30 | 504.33 |
| 30-40 | 603.96 |
| 40-50 | 623.36 |
| 50-60 | 571.36 |
| 60-70 | 464.42 |
| 70-80 | 258.62 |
| 80-90 | 72.43 |
| 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 : DIG-S22-L48-940-AD-(L40)-DIM-UNV_.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 | 109 | 104 | 99 | 95 | 106 | 101 | 97 | 94 | 97 | 94 | 91 | 93 | 90 | 88 | 90 | 87 | 85 | 83 |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 85 | 79 | 75 | 81 | 77 | 73 | 78 | 75 | 71 | 69 |
| 3 | 90 | 79 | 71 | 64 | 87 | 77 | 70 | 63 | 74 | 68 | 62 | 72 | 66 | 61 | 69 | 64 | 60 | 58 |
| 4 | 82 | 70 | 61 | 54 | 80 | 68 | 60 | 54 | 66 | 59 | 53 | 64 | 57 | 52 | 61 | 56 | 51 | 49 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 53 | 46 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 42 |
| 6 | 70 | 56 | 47 | 40 | 68 | 55 | 47 | 40 | 53 | 46 | 40 | 52 | 45 | 40 | 50 | 44 | 39 | 37 |
| 7 | 64 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 48 | 41 | 35 | 47 | 40 | 35 | 46 | 39 | 35 | 33 |
| 8 | 60 | 46 | 38 | 32 | 58 | 46 | 37 | 32 | 44 | 37 | 32 | 43 | 36 | 31 | 42 | 36 | 31 | 29 |
| 9 | 56 | 43 | 34 | 29 | 55 | 42 | 34 | 29 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 26 |
| 10 | 53 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 26 | 24 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DIG-S22-L48-940-AD-(L40)-DIM-UNV_.IES

UGR TABLE - CORRECTED

Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| Ceiling Cavity | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Walls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor Cavity | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

Room Size UGR Viewed Crosswise

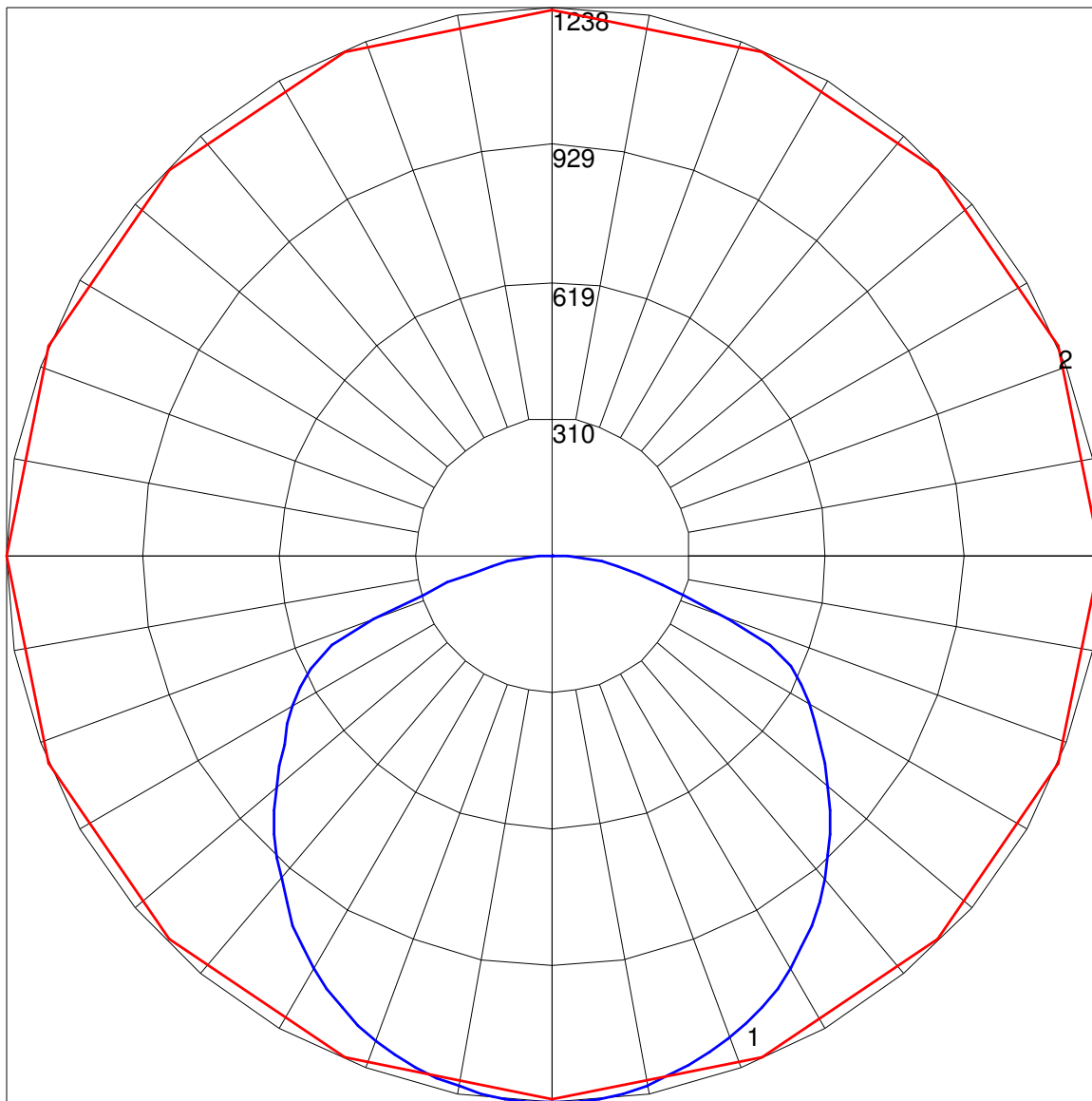
| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| X=2H | Y=2H | 17.2 | 18.8 | 17.5 | 19.1 | 19.4 | 15.3 | 16.9 | 15.6 | 17.2 | 17.6 |
| | 3H | 19.4 | 20.9 | 19.8 | 21.2 | 21.6 | 17.0 | 18.5 | 17.4 | 18.9 | 19.2 |
| | 4H | 19.9 | 21.3 | 20.3 | 21.7 | 22.1 | 17.7 | 19.1 | 18.1 | 19.5 | 19.9 |
| | 6H | 20.3 | 21.6 | 20.7 | 22.0 | 22.4 | 18.2 | 19.6 | 18.7 | 19.9 | 20.3 |
| | 8H | 20.4 | 21.7 | 20.9 | 22.1 | 22.5 | 18.4 | 19.7 | 18.8 | 20.1 | 20.5 |
| | 12H | 20.5 | 21.7 | 21.0 | 22.1 | 22.6 | 18.5 | 19.7 | 19.0 | 20.1 | 20.5 |

UGR Viewed Endwise

| | | | | | | | | | | | |
|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 17.7 | 19.1 | 18.1 | 19.5 | 19.8 | 16.3 | 17.7 | 16.7 | 18.0 | 18.4 |
| | 3H | 20.1 | 21.3 | 20.5 | 21.7 | 22.1 | 18.2 | 19.4 | 18.7 | 19.8 | 20.2 |
| | 4H | 20.8 | 21.9 | 21.2 | 22.3 | 22.7 | 19.0 | 20.1 | 19.5 | 20.5 | 21.0 |
| | 6H | 21.3 | 22.2 | 21.7 | 22.7 | 23.1 | 19.7 | 20.6 | 20.1 | 21.1 | 21.5 |
| | 8H | 21.5 | 22.4 | 22.0 | 22.8 | 23.3 | 19.9 | 20.8 | 20.4 | 21.2 | 21.7 |
| | 12H | 21.6 | 22.4 | 22.1 | 22.9 | 23.4 | 20.1 | 20.8 | 20.5 | 21.3 | 21.8 |
| 8H | 4H | 21.1 | 21.9 | 21.5 | 22.4 | 22.8 | 19.5 | 20.4 | 20.0 | 20.8 | 21.3 |
| | 6H | 21.7 | 22.4 | 22.2 | 22.9 | 23.4 | 20.3 | 21.0 | 20.8 | 21.5 | 22.0 |
| | 8H | 21.9 | 22.6 | 22.4 | 23.1 | 23.6 | 20.6 | 21.2 | 21.1 | 21.7 | 22.2 |
| | 12H | 22.1 | 22.7 | 22.6 | 23.2 | 23.8 | 20.8 | 21.4 | 21.3 | 21.9 | 22.4 |
| 12H | 4H | 21.1 | 21.9 | 21.6 | 22.3 | 22.8 | 19.6 | 20.4 | 20.1 | 20.8 | 21.3 |
| | 6H | 21.7 | 22.4 | 22.2 | 22.9 | 23.4 | 20.4 | 21.0 | 20.9 | 21.5 | 22.0 |
| | 8H | 22.0 | 22.6 | 22.5 | 23.1 | 23.6 | 20.7 | 21.3 | 21.2 | 21.8 | 22.3 |

Maximum UGR = 23.8

POLAR GRAPH



Maximum Candela = 1238.441 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)