



IES ROAD REPORT

PHOTOMETRIC FILENAME : WPLED26NDC - PROPRTED FROM ITL80285.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]SCALED FROM ITL80285
 [TESTLAB]SCALED PHOTOMETRY
 [ISSUEDATE]01/24/14
 [MANUFAC]RAB LIGHTING, INC.
 [LUMCAT]WPLED26NDC (WALLPACK) - ALED26NDC (AREA LIGHTER)
 [LUMINAIRE]CAST FINNED METAL HOUSING, MACHINED METAL HEAT SINK, 1
 [MORE]CIRCUIT BOARD WITH 1 LED, MOLDED PLASTIC REFLECTOR WITH
 [MORE]SEMI-SPECULAR FINISH, CLEAR FLAT GLASS LENS IN CAST BROWN
 [MORE]PAINTED METAL FRAME.
 [LAMP]ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED), TILTED
 [MORE]33-DEGREES FROM VERTICAL BASE-UP POSITION.
 [OTHER]TOTAL INPUT WATTS = 27.5 AT 12.0 VOLTS
 [_LEDDRIVER]RAB RD126-DC-A0700
 [_NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT
 [MORE]VOLTAGE (12VDC) TO THE DRIVER. DRIVER INFORMATION
 [MORE]PROVIDED BY CLIENT.
 [OTHER]TEST PROCEDURE: IESNA LM-79-08
 [OTHER]TEST DISTANCE = 20.0 FEET
 [_ABSOLUTE]LUMENS]2243

CHARACTERISTICS

| | |
|---|---------------------------------|
| IES Classification | Type IV |
| Longitudinal Classification | Very Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 2243 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 82 |
| Total Luminaire Watts | 27.5 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 1238.09 |
| Maximum Candela Angle | 0H 34V |
| Maximum Candela (<90 Degrees Vertical) | 1238.09 |
| Maximum Candela Angle (<90 Degrees Vertical) | 0H 34V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 173.686 (7.7% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

IES ROAD REPORT**PHOTOMETRIC FILENAME : WPLED26NDC - PROPRATED FROM ITL80285.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 414.1 | N.A. | 18.5 |
| FM - Front-Medium (30-60) | 1032.7 | N.A. | 46.0 |
| FH - Front-High (60-80) | 453.4 | N.A. | 20.2 |
| FVH - Front-Very High (80-90) | 7.3 | N.A. | 0.3 |
| BL - Back-Low (0-30) | 196.7 | N.A. | 8.8 |
| BM - Back-Medium (30-60) | 129.2 | N.A. | 5.8 |
| BH - Back-High (60-80) | 9.3 | N.A. | 0.4 |
| BVH - Back-Very High (80-90) | < 0.05 | N.A. | 0.0 |
| UL - Uplight-Low (90-100) | 0.0 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 0.0 | N.A. | 0.0 |
| Total | 2242.7 | N.A. | 100.0 |
| BUG Rating | B1-U0-G0 | | |

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CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-----------------|-------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | <u>0</u> | <u>5</u> | <u>15</u> | <u>25</u> | <u>35</u> | <u>45</u> | <u>55</u> | <u>65</u> | <u>75</u> | <u>85</u> |
| 0.0 | 828.490 | 828.490 | 828.490 | 828.490 | 828.490 | 828.490 | 828.490 | 828.490 | 828.490 | 828.490 |
| 2.5 | 878.645 | 876.787 | 875.858 | 871.214 | 869.357 | 860.998 | 854.496 | 847.994 | 840.564 | 831.276 |
| 5.0 | 919.512 | 919.512 | 915.797 | 907.438 | 899.078 | 887.004 | 874.930 | 860.998 | 847.994 | 832.205 |
| 7.5 | 962.237 | 960.379 | 954.806 | 944.590 | 931.586 | 912.082 | 893.506 | 873.072 | 852.638 | 831.276 |
| 10.0 | 1003.104 | 1001.246 | 993.816 | 981.742 | 964.094 | 937.159 | 912.082 | 883.289 | 855.425 | 827.561 |
| 12.5 | 1041.185 | 1038.398 | 1030.039 | 1015.178 | 991.958 | 961.308 | 928.800 | 893.506 | 857.282 | 821.059 |
| 15.0 | 1078.337 | 1075.550 | 1065.334 | 1047.686 | 1019.822 | 982.670 | 943.661 | 900.007 | 855.425 | 813.629 |
| 17.5 | 1111.774 | 1111.774 | 1098.770 | 1074.622 | 1045.829 | 1003.104 | 955.735 | 904.651 | 852.638 | 803.412 |
| 20.0 | 1144.282 | 1141.495 | 1129.421 | 1104.343 | 1067.191 | 1018.894 | 965.023 | 906.509 | 846.137 | 789.480 |
| 22.5 | 1173.074 | 1170.288 | 1155.427 | 1129.421 | 1086.696 | 1031.897 | 971.525 | 905.580 | 837.778 | 774.619 |
| 25.0 | 1197.223 | 1195.366 | 1178.647 | 1148.926 | 1103.414 | 1043.042 | 974.311 | 901.865 | 826.632 | 757.901 |
| 27.5 | 1216.728 | 1214.870 | 1198.152 | 1164.715 | 1115.489 | 1051.402 | 974.311 | 893.506 | 813.629 | 738.396 |
| 30.0 | 1230.660 | 1227.874 | 1212.084 | 1174.932 | 1123.848 | 1053.259 | 972.454 | 883.289 | 796.910 | 716.105 |
| 32.5 | 1237.162 | 1235.304 | 1218.586 | 1184.220 | 1127.563 | 1052.330 | 964.094 | 870.286 | 777.406 | 692.885 |
| 34.0 | 1238.090 | 1236.233 | 1220.443 | 1185.149 | 1127.563 | 1050.473 | 959.450 | 860.998 | 765.331 | 677.095 |
| 35.0 | 1238.090 | 1236.233 | 1220.443 | 1185.149 | 1126.634 | 1048.615 | 954.806 | 853.567 | 756.043 | 665.950 |
| 37.5 | 1233.446 | 1231.589 | 1216.728 | 1181.434 | 1121.990 | 1039.327 | 940.874 | 834.991 | 731.894 | 638.086 |
| 40.0 | 1223.230 | 1222.301 | 1208.369 | 1174.932 | 1112.702 | 1026.324 | 924.156 | 813.629 | 705.888 | 608.364 |
| 42.5 | 1206.511 | 1205.582 | 1193.508 | 1161.929 | 1098.770 | 1009.606 | 903.722 | 787.622 | 676.166 | 573.998 |
| 45.0 | 1186.078 | 1184.220 | 1172.146 | 1143.353 | 1082.981 | 991.030 | 881.431 | 761.616 | 643.658 | 538.704 |
| 47.5 | 1161.000 | 1158.214 | 1146.139 | 1119.204 | 1060.690 | 969.667 | 856.354 | 730.966 | 609.293 | 502.481 |
| 50.0 | 1129.421 | 1129.421 | 1114.560 | 1089.482 | 1032.826 | 945.518 | 828.490 | 699.386 | 573.070 | 464.400 |
| 52.5 | 1093.198 | 1093.198 | 1079.266 | 1054.188 | 1003.104 | 919.512 | 799.697 | 665.950 | 535.918 | 425.390 |
| 55.0 | 1056.974 | 1054.188 | 1041.185 | 1015.178 | 967.810 | 889.790 | 767.189 | 629.726 | 499.694 | 385.452 |
| 57.5 | 1013.321 | 1011.463 | 998.460 | 973.382 | 927.871 | 858.211 | 734.681 | 593.503 | 462.542 | 344.585 |
| 60.0 | 965.023 | 962.237 | 951.091 | 926.014 | 884.218 | 819.202 | 695.671 | 555.422 | 424.462 | 302.789 |
| 62.5 | 909.295 | 905.580 | 896.292 | 872.143 | 834.991 | 776.477 | 652.946 | 512.698 | 383.594 | 260.064 |
| 65.0 | 826.632 | 831.276 | 825.703 | 809.914 | 777.406 | 730.037 | 603.720 | 467.186 | 338.083 | 214.553 |
| 67.5 | 737.467 | 737.467 | 737.467 | 722.606 | 704.959 | 675.238 | 549.850 | 412.387 | 285.142 | 165.326 |
| 70.0 | 650.160 | 649.231 | 641.801 | 629.726 | 613.008 | 606.506 | 482.976 | 344.585 | 228.485 | 117.958 |
| 72.5 | 541.490 | 539.633 | 545.206 | 541.490 | 519.199 | 508.982 | 392.882 | 279.569 | 177.401 | 73.375 |
| 75.0 | 377.093 | 375.235 | 390.096 | 412.387 | 422.604 | 403.099 | 316.721 | 214.553 | 95.666 | 26.935 |
| 77.5 | 206.194 | 203.407 | 218.268 | 243.346 | 270.281 | 306.504 | 224.770 | 107.741 | 27.864 | 4.644 |
| 80.0 | 52.013 | 50.155 | 62.230 | 85.450 | 118.886 | 173.686 | 90.094 | 23.220 | 3.715 | 1.858 |
| 82.5 | 17.647 | 16.718 | 17.647 | 16.718 | 14.861 | 39.938 | 13.003 | 4.644 | 1.858 | 0.929 |
| 85.0 | 8.359 | 8.359 | 8.359 | 7.430 | 6.502 | 4.644 | 3.715 | 1.858 | 0.929 | 0.000 |
| 87.5 | 2.786 | 1.858 | 1.858 | 1.858 | 1.858 | 1.858 | 0.929 | 0.929 | 0.000 | 0.000 |
| 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 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 |
| 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
Angles

| | <u>90</u> | <u>95</u> | <u>105</u> | <u>115</u> | <u>125</u> | <u>135</u> | <u>145</u> | <u>155</u> | <u>165</u> | <u>175</u> |
|------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0.0 | 828.490 | 828.490 | 828.490 | 828.490 | 828.490 | 828.490 | 828.490 | 828.490 | 828.490 | 828.490 |
| 2.5 | 827.561 | 823.846 | 814.558 | 806.198 | 798.768 | 791.338 | 783.907 | 781.121 | 776.477 | 775.548 |
| 5.0 | 824.774 | 816.415 | 798.768 | 782.978 | 767.189 | 752.328 | 738.396 | 727.250 | 720.749 | 716.105 |
| 7.5 | 819.202 | 807.127 | 781.121 | 754.186 | 730.037 | 705.888 | 686.383 | 669.665 | 659.448 | 652.946 |
| 10.0 | 811.771 | 795.982 | 761.616 | 725.393 | 691.027 | 658.519 | 631.584 | 608.364 | 592.574 | 584.215 |
| 12.5 | 801.554 | 781.121 | 738.396 | 692.885 | 648.302 | 606.506 | 571.212 | 541.490 | 521.986 | 511.769 |
| 15.0 | 790.409 | 767.189 | 714.247 | 657.590 | 603.720 | 551.707 | 508.054 | 471.830 | 447.682 | 434.678 |
| 17.5 | 776.477 | 749.542 | 689.170 | 622.296 | 555.422 | 494.122 | 441.180 | 399.384 | 371.520 | 356.659 |
| 20.0 | 760.687 | 730.037 | 660.377 | 583.286 | 507.125 | 436.536 | 376.164 | 326.938 | 295.358 | 279.569 |
| 22.5 | 743.040 | 708.674 | 629.726 | 541.490 | 455.112 | 375.235 | 309.290 | 258.206 | 221.983 | 207.122 |
| 25.0 | 722.606 | 684.526 | 597.218 | 497.837 | 401.242 | 313.934 | 242.417 | 187.618 | 154.181 | 140.249 |
| 27.5 | 701.244 | 659.448 | 562.853 | 452.326 | 347.371 | 255.420 | 177.401 | 127.246 | 95.666 | 84.521 |
| 30.0 | 676.166 | 632.513 | 526.630 | 407.743 | 291.643 | 195.048 | 121.673 | 78.948 | 63.158 | 59.443 |
| 32.5 | 650.160 | 603.720 | 488.549 | 357.588 | 238.702 | 135.605 | 76.162 | 55.728 | 52.013 | 49.226 |
| 34.0 | 633.442 | 586.073 | 464.400 | 327.866 | 207.122 | 105.883 | 59.443 | 50.155 | 45.511 | 43.654 |
| 35.0 | 622.296 | 573.070 | 447.682 | 308.362 | 185.760 | 88.236 | 52.942 | 46.440 | 41.796 | 40.867 |
| 37.5 | 592.574 | 539.633 | 405.886 | 260.064 | 131.890 | 56.657 | 41.796 | 38.081 | 37.152 | 36.223 |
| 40.0 | 560.066 | 503.410 | 362.232 | 210.838 | 87.307 | 39.938 | 34.366 | 32.508 | 31.579 | 31.579 |
| 42.5 | 524.772 | 465.329 | 318.578 | 163.469 | 53.870 | 31.579 | 28.793 | 28.793 | 27.864 | 26.935 |
| 45.0 | 487.620 | 427.248 | 273.067 | 118.886 | 34.366 | 26.006 | 25.078 | 24.149 | 22.291 | 21.362 |
| 47.5 | 449.539 | 387.310 | 229.414 | 79.877 | 25.078 | 21.362 | 20.434 | 19.505 | 17.647 | 16.718 |
| 50.0 | 410.530 | 345.514 | 186.689 | 50.155 | 20.434 | 17.647 | 16.718 | 14.861 | 13.932 | 13.932 |
| 52.5 | 370.591 | 304.646 | 146.750 | 31.579 | 16.718 | 14.861 | 13.003 | 12.074 | 11.146 | 10.217 |
| 55.0 | 329.724 | 262.850 | 108.670 | 18.576 | 13.003 | 11.146 | 10.217 | 9.288 | 8.359 | 8.359 |
| 57.5 | 287.928 | 220.126 | 74.304 | 13.932 | 11.146 | 9.288 | 7.430 | 6.502 | 6.502 | 5.573 |
| 60.0 | 244.274 | 178.330 | 45.511 | 11.146 | 8.359 | 6.502 | 5.573 | 4.644 | 4.644 | 4.644 |
| 62.5 | 199.692 | 135.605 | 25.078 | 8.359 | 6.502 | 4.644 | 3.715 | 3.715 | 2.786 | 2.786 |
| 65.0 | 154.181 | 93.809 | 13.003 | 6.502 | 4.644 | 3.715 | 2.786 | 1.858 | 1.858 | 1.858 |
| 67.5 | 108.670 | 55.728 | 7.430 | 4.644 | 3.715 | 2.786 | 1.858 | 1.858 | 0.929 | 0.929 |
| 70.0 | 66.874 | 26.935 | 4.644 | 3.715 | 1.858 | 1.858 | 0.929 | 0.929 | 0.929 | 0.000 |
| 72.5 | 31.579 | 10.217 | 2.786 | 1.858 | 0.929 | 0.929 | 0.929 | 0.000 | 0.000 | 0.000 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 75.0 | 9.288 | 2.786 | 1.858 | 0.929 | 0.929 | 0.929 | 0.000 | 0.000 | 0.000 | 0.000 |
| 77.5 | 1.858 | 1.858 | 0.929 | 0.929 | 0.929 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 80.0 | 0.929 | 0.929 | 0.929 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 82.5 | 0.929 | 0.929 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 85.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 87.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 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 |
| 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

| | |
|------|------------|
| | 180 |
| 0.0 | 828.490 |
| 2.5 | 773.690 |
| 5.0 | 717.034 |
| 7.5 | 652.946 |
| 10.0 | 584.215 |
| 12.5 | 510.840 |
| 15.0 | 433.750 |
| 17.5 | 355.730 |
| 20.0 | 277.711 |

IES ROAD REPORT**PHOTOMETRIC FILENAME : WPLED26NDC - PROPRATED FROM ITL80285.IES****CANDELA TABULATION - (Cont.)**

| | |
|-------|---------|
| 22.5 | 202.478 |
| 25.0 | 139.320 |
| 27.5 | 83.592 |
| 30.0 | 59.443 |
| 32.5 | 49.226 |
| 34.0 | 43.654 |
| 35.0 | 40.867 |
| 37.5 | 36.223 |
| 40.0 | 31.579 |
| 42.5 | 26.935 |
| 45.0 | 21.362 |
| 47.5 | 16.718 |
| 50.0 | 13.003 |
| 52.5 | 10.217 |
| 55.0 | 7.430 |
| 57.5 | 5.573 |
| 60.0 | 3.715 |
| 62.5 | 2.786 |
| 65.0 | 1.858 |
| 67.5 | 0.929 |
| 70.0 | 0.000 |
| 72.5 | 0.000 |
| 75.0 | 0.000 |
| 77.5 | 0.000 |
| 80.0 | 0.000 |
| 82.5 | 0.000 |
| 85.0 | 0.000 |
| 87.5 | 0.000 |
| 90.0 | 0.000 |
| 92.5 | 0.000 |
| 95.0 | 0.000 |
| 97.5 | 0.000 |
| 100.0 | 0.000 |
| 102.5 | 0.000 |
| 105.0 | 0.000 |
| 107.5 | 0.000 |
| 110.0 | 0.000 |
| 112.5 | 0.000 |
| 115.0 | 0.000 |
| 117.5 | 0.000 |
| 120.0 | 0.000 |
| 122.5 | 0.000 |
| 125.0 | 0.000 |
| 127.5 | 0.000 |
| 130.0 | 0.000 |
| 132.5 | 0.000 |
| 135.0 | 0.000 |
| 137.5 | 0.000 |
| 140.0 | 0.000 |
| 142.5 | 0.000 |
| 145.0 | 0.000 |
| 147.5 | 0.000 |
| 150.0 | 0.000 |
| 152.5 | 0.000 |
| 155.0 | 0.000 |
| 157.5 | 0.000 |

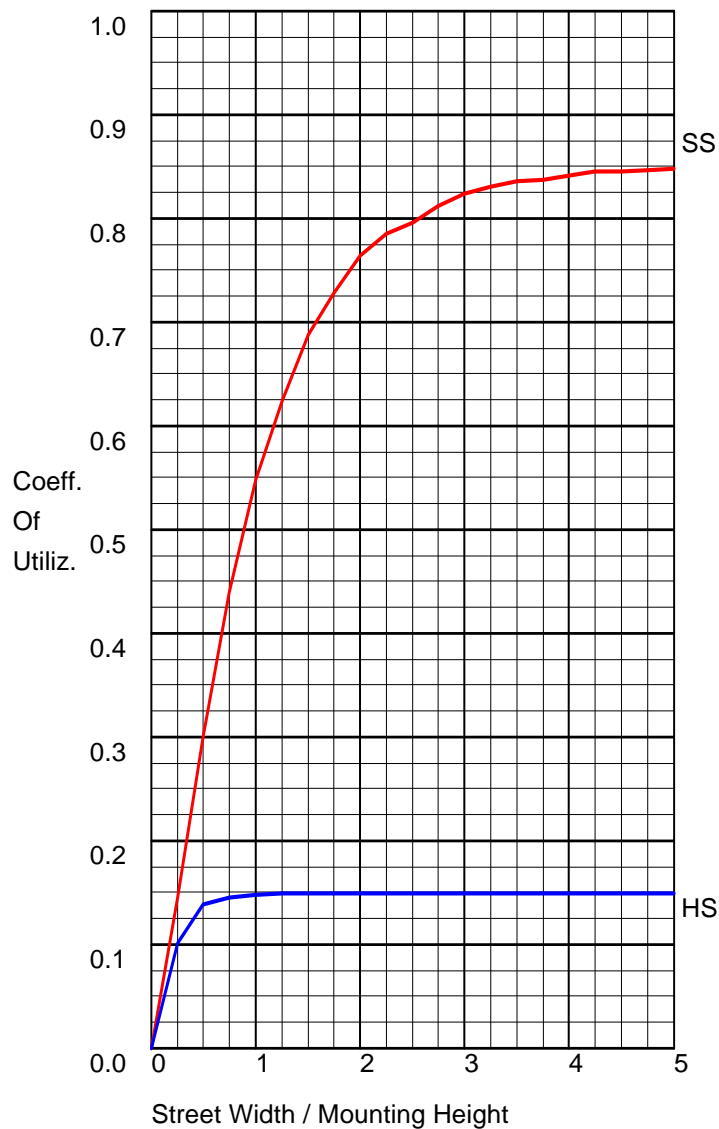
IES ROAD REPORT

PHOTOMETRIC FILENAME : WPLED26NDC - PROPRTED FROM ITL80285.IES

CANDELA TABULATION - (Cont.)

| | |
|--------------|-------|
| 160.0 | 0.000 |
| 162.5 | 0.000 |
| 165.0 | 0.000 |
| 167.5 | 0.000 |
| 170.0 | 0.000 |
| 172.5 | 0.000 |
| 175.0 | 0.000 |
| 177.5 | 0.000 |
| 180.0 | 0.000 |

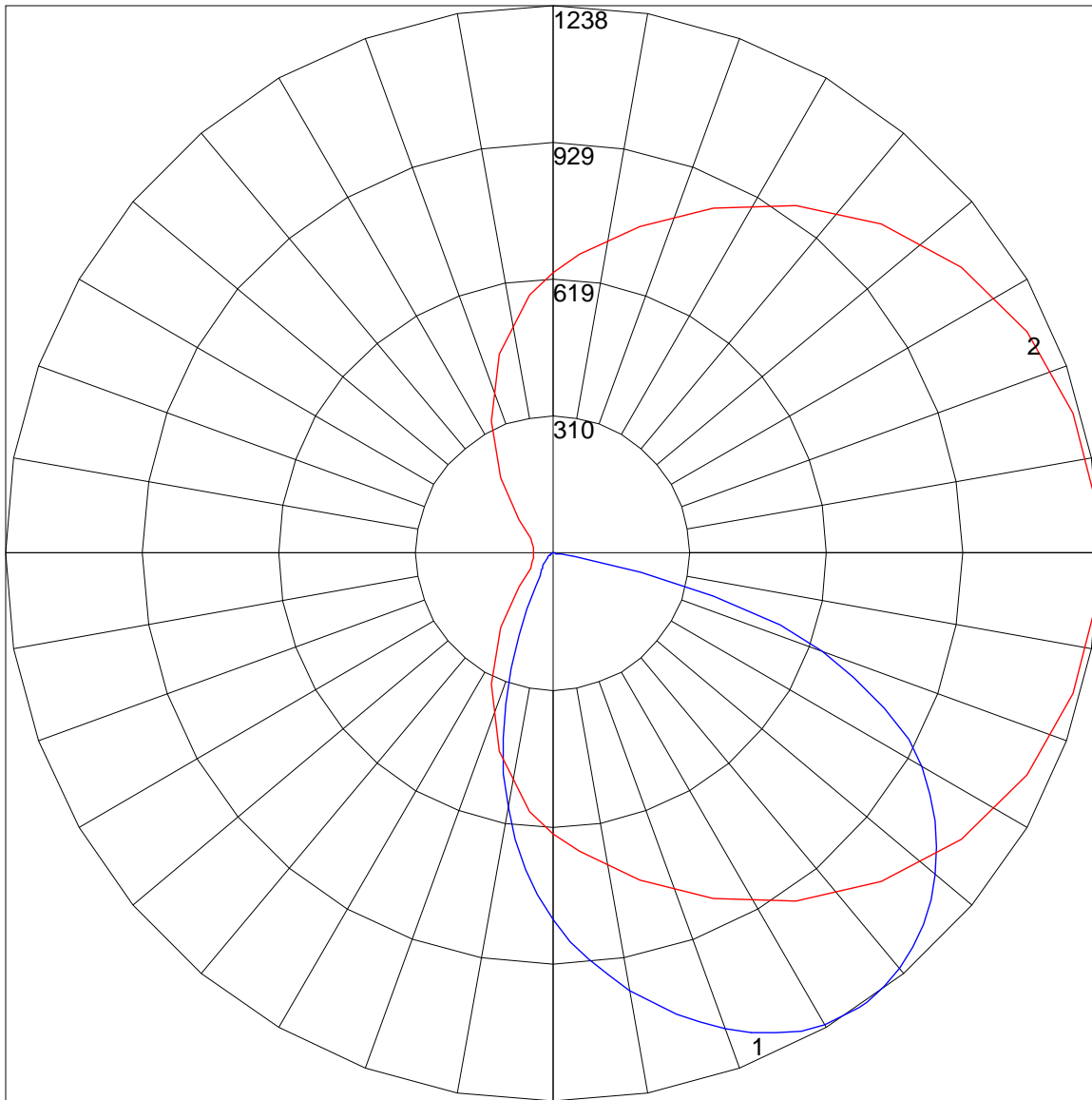
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

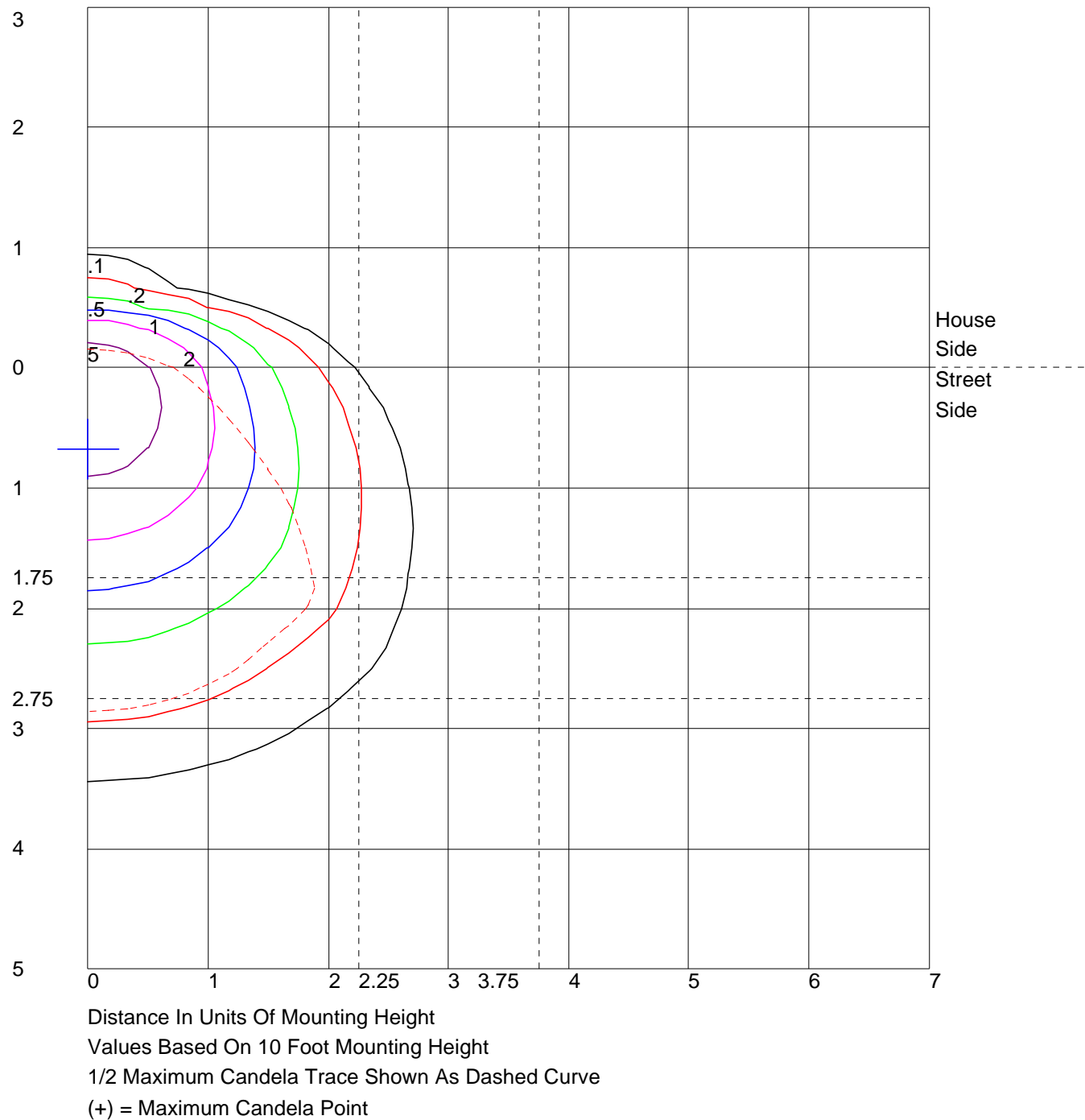
| | Lumens | Percent Of Luminaire |
|----------------------|--------|-------------------------|
| Downward Street Side | 1907.5 | 85.1 |
| Downward House Side | 335.2 | 14.9 |
| Downward Total | 2242.7 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 2242.7 | 100.0 |

POLAR GRAPH

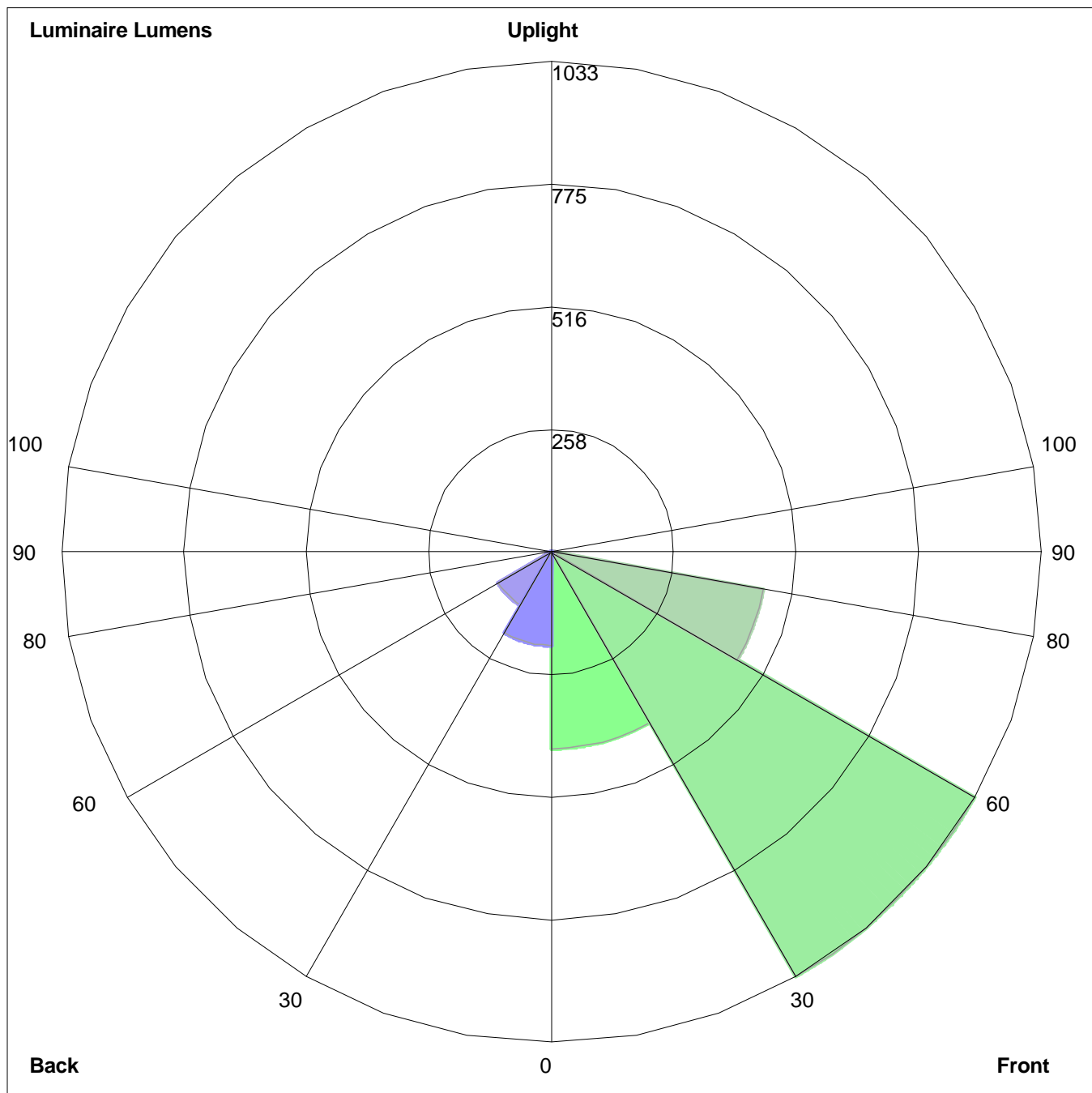


Maximum Candela = 1238.09 Located At Horizontal Angle = 0, Vertical Angle = 34
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (34) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

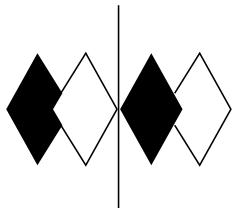


LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
 Front: Low=414.1, Medium=1032.7, High=453.4, Very High=7.3
 Back: Low=196.7, Medium=129.2, High=9.3, Very High=0.0
 Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0



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INDEPENDENT TESTING LABORATORIES, INC.
4066 CAMELOT CIRCLE, LONGMONT, CO 80504 USA

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Page 1 of 4

REPORT NUMBER: ITL80288
DATE: 12/31/13
PREPARED FOR: RAB LIGHTING, INC.
CATALOG NUMBER: WPLED26N (WALLPACK) - ALED26N (AREA LIGHTER)

ADDRESS: 170 LUDLOW AVE
NORTHVALE, NJ 07647

LUMINAIRE: CAST FINNED METAL HOUSING, MACHINED METAL HEAT SINK, 1 CIRCUIT BOARD WITH 1 LED, MOLDED PLASTIC REFLECTOR WITH SEMI-SPECULAR FINISH, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL FRAME.

LAMP: ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED), TILTED 33-DEGREES FROM VERTICAL BASE-UP POSITION.

DRIVER: RAB RD26S

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120.0 AND 277.0 VAC, 60Hz) TO THE LED DRIVER.

| | | |
|--------------|--|----------------------|
| INSTRUMENTS: | Associated Power Technologies APT5010 AC Power Source | Calibration Due: N/A |
| | Yokogawa WT210 Digital Power Meter #6 | 10/31/14 |
| | Ocean Optics QE65000 Spectroradiometer | 10/17/14 |
| | ITL 1.5m Diameter Integrating Sphere S15-2, 4PI Geometry | 10/17/14 |

OBJECT OF TEST: Measure the Total Radiant Flux*, Spectral Power Distribution (SPD), Correlated Color Temperature (CCT), Color Rendering Indices (CRI_a,1-14), Chromaticity Coordinates (x,y; u'v'), ANSI C78.377 Duv, and electrical data including ANSI C82.77-2002 Power Factor (PF) and Total Harmonic Distortion (THD) to the test sample. Report Off-State Power. Measure electrical data including Total Harmonic Distortion (THD) at maximum rated voltage.

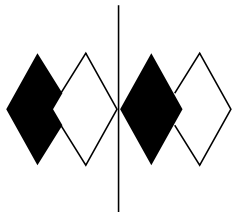
PROCEDURE: The test sample was provided by the customer and had an unknown number of operating hours. The test sample was mounted inside the integrating sphere and allowed to stabilize. After stabilization occurred, measurements were taken. In order to measure mean performance, multiple data sets were recorded and averaged. Readings were taken with the test sample operating at 120.0 VAC input. Electrical data was also recorded at maximum nominal rated input voltage (277.0 VAC). All testing performed in a 25 +/-1 degree Celsius free air ambient and in accordance with IESNA LM-79-08. All data are traceable to the National Institute of Standards and Technology. Off-State Power was reported with no voltage applied to the sample.

*NOTE: Proper calibration of integrating spheres for measuring total flux output of non-directional samples will produce reliable, repeatable results within the calibration tolerances of the equipment used. However, measurement of test samples with significant self absorption and/or directional output, even when these effects are compensated for, are likely to have a greater variation in results compared to the flux output calculated from a goniophotometric exploration since these artifacts do not affect the goniophotometric results.

RESULTS: (continued subsequent pages)

THIS ITL REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY THE CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.

| | |
|----------|--|
| Checked | <i>N THOMAS</i> |
| Approved | <i>P O'CONNOR</i> SPHERE LAB SUPERVISOR |



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REPORT NUMBER:

ITL80288

DATE:

12/31/13

PREPARED FOR:

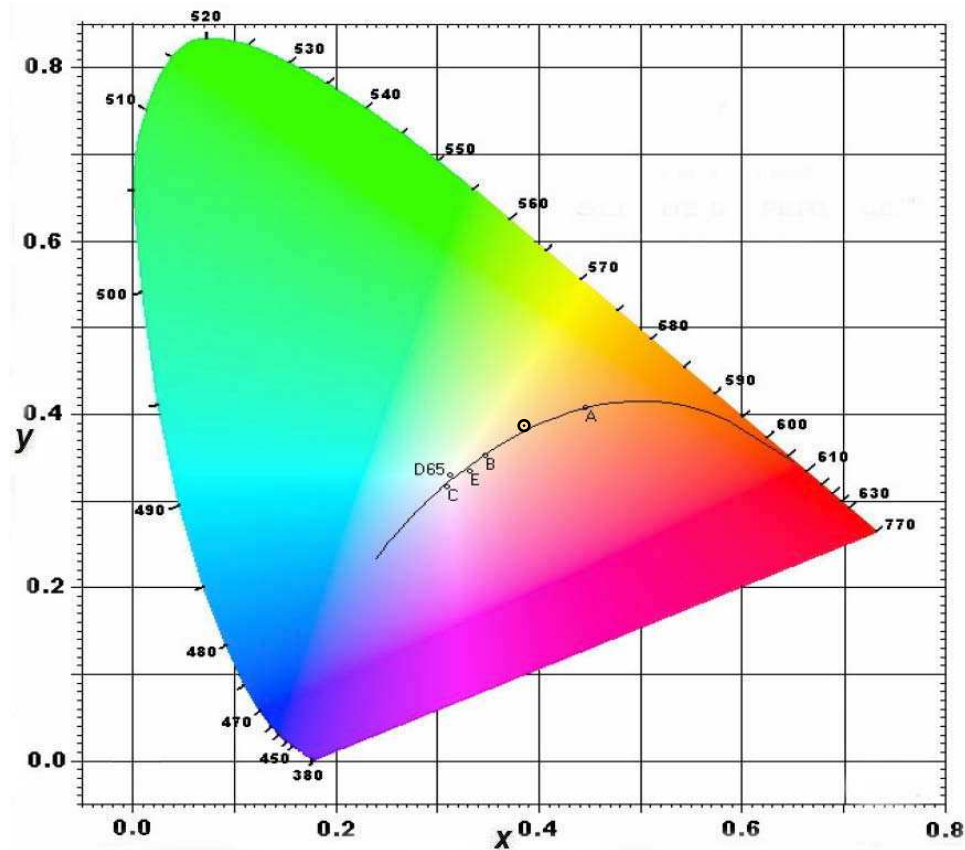
RAB LIGHTING, INC.

CATALOG NUMBER:

WPLED26N (WALLPACK) - ALED26N (AREA LIGHTER)

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CIE Chromaticity Diagram





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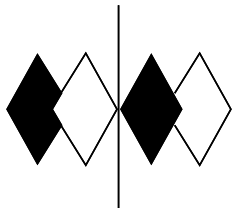
RESULTS:

| SPECTRORADIOMETRIC | |
|---------------------------------|-------------------|
| Observer | CIE 1931 2 degree |
| Chromaticity Ordinate x | 0.3852 |
| Chromaticity Ordinate y | 0.3865 |
| Observer | CIE 1976 2 degree |
| Chromaticity Ordinate u' | 0.2243 |
| Chromaticity Ordinate v' | 0.5065 |
| Correlated Color Temp CCT (K) | 3946 |
| ANSI C78.377-2008 Duv | 0.003 |
| Total Radiant Flux (milliWatts) | 7370 * |
| ELECTRICAL | |
| Input Voltage (Volts AC) | 120.0 |
| Input Current (Amps AC) | 0.249 |
| Input Power (Watts) | 29.7 |
| Input Power Factor (%) | 99.4 |
| Input Current THD (%) | 8.4 |
| Input Voltage THD (%) | 0.3 |
| Off-State Power (Watts) | |
| | 0.0 |
| ELECTRICAL AT MAX NONIMAL INPUT | |
| Input Voltage (Volts AC) | 277.0 |
| Input Current (Amps AC) | 0.118 |
| Input Power (Watts) | 29.6 |
| Input Power Factor (%) | 90.6 |
| Input Current THD (%) | 10.7 |
| Input Voltage THD (%) | 0.3 |

| COLOR RENDERING INDICES | CRI |
|---------------------------------|-----|
| Ra (Average 1-8) | 83 |
| R1 Light greyish red | 82 |
| R2 Dark greyish yellow | 87 |
| R3 Strong yellowish green | 92 |
| R4 Moderate yellowish green | 85 |
| R5 Light bluish green | 82 |
| R6 Light blue | 84 |
| R7 Light violet | 88 |
| R8 Light reddish purple | 67 |
| R9 Strong red | 12 |
| R10 Strong yellow | 70 |
| R11 Strong green | 85 |
| R12 Strong blue | 63 |
| R13 Light yellowish pink (skin) | 83 |
| R14 Moderate olive green (leaf) | 96 |

*NOTE:

Proper calibration of integrating spheres for measuring total flux output of non-directional samples will produce reliable, repeatable results within the calibration tolerances of the equipment used. However, measurement of test samples with significant self absorption and/or directional output, even when these effects are compensated for, are likely to have a greater variation in results compared to the flux output calculated from a goniophotometric exploration since these artifacts do not affect the goniophotometric results.



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PREPARED FOR: RAB LIGHTING, INC.
CATALOG NUMBER: WPLED26N (WALLPACK) - ALED26N (AREA LIGHTER)

RESULTS:

| Wavelength | mW per nm | Wavelength | mW per nm | Wavelength | mW per nm |
|------------|-----------|------------|-----------|------------|-----------|
| 380 | 0.198 | 515 | 28.358 | 650 | 22.518 |
| 385 | 0.223 | 520 | 30.185 | 655 | 20.240 |
| 390 | 0.263 | 525 | 31.322 | 660 | 18.113 |
| 395 | 0.325 | 530 | 32.067 | 665 | 16.122 |
| 400 | 0.430 | 535 | 32.495 | 670 | 14.283 |
| 405 | 0.696 | 540 | 32.752 | 675 | 12.631 |
| 410 | 1.163 | 545 | 33.051 | 680 | 11.114 |
| 415 | 1.935 | 550 | 33.408 | 685 | 9.757 |
| 420 | 3.457 | 555 | 33.959 | 690 | 8.542 |
| 425 | 6.102 | 560 | 34.761 | 695 | 7.468 |
| 430 | 10.347 | 565 | 35.754 | 700 | 6.543 |
| 435 | 16.314 | 570 | 36.889 | 705 | 5.703 |
| 440 | 24.728 | 575 | 38.099 | 710 | 4.964 |
| 445 | 35.454 | 580 | 39.235 | 715 | 4.325 |
| 450 | 39.287 | 585 | 40.195 | 720 | 3.763 |
| 455 | 30.839 | 590 | 40.943 | 725 | 3.276 |
| 460 | 21.321 | 595 | 41.291 | 730 | 2.850 |
| 465 | 15.836 | 600 | 41.144 | 735 | 2.479 |
| 470 | 11.946 | 605 | 40.603 | 740 | 2.160 |
| 475 | 9.781 | 610 | 39.617 | 745 | 1.878 |
| 480 | 9.539 | 615 | 38.210 | 750 | 1.637 |
| 485 | 10.630 | 620 | 36.424 | 755 | 1.429 |
| 490 | 12.782 | 625 | 34.376 | 760 | 1.251 |
| 495 | 15.868 | 630 | 32.125 | 765 | 1.097 |
| 500 | 19.405 | 635 | 29.705 | 770 | 0.960 |
| 505 | 22.902 | 640 | 27.276 | 775 | 0.841 |
| 510 | 25.941 | 645 | 24.866 | 780 | 0.738 |

