

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P243489

Luminaire Tested: S124DRP-H575D927-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-60)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124DRP-H575D927-X4F0-XX-UDD-A-W
Description: DEFINE 4 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

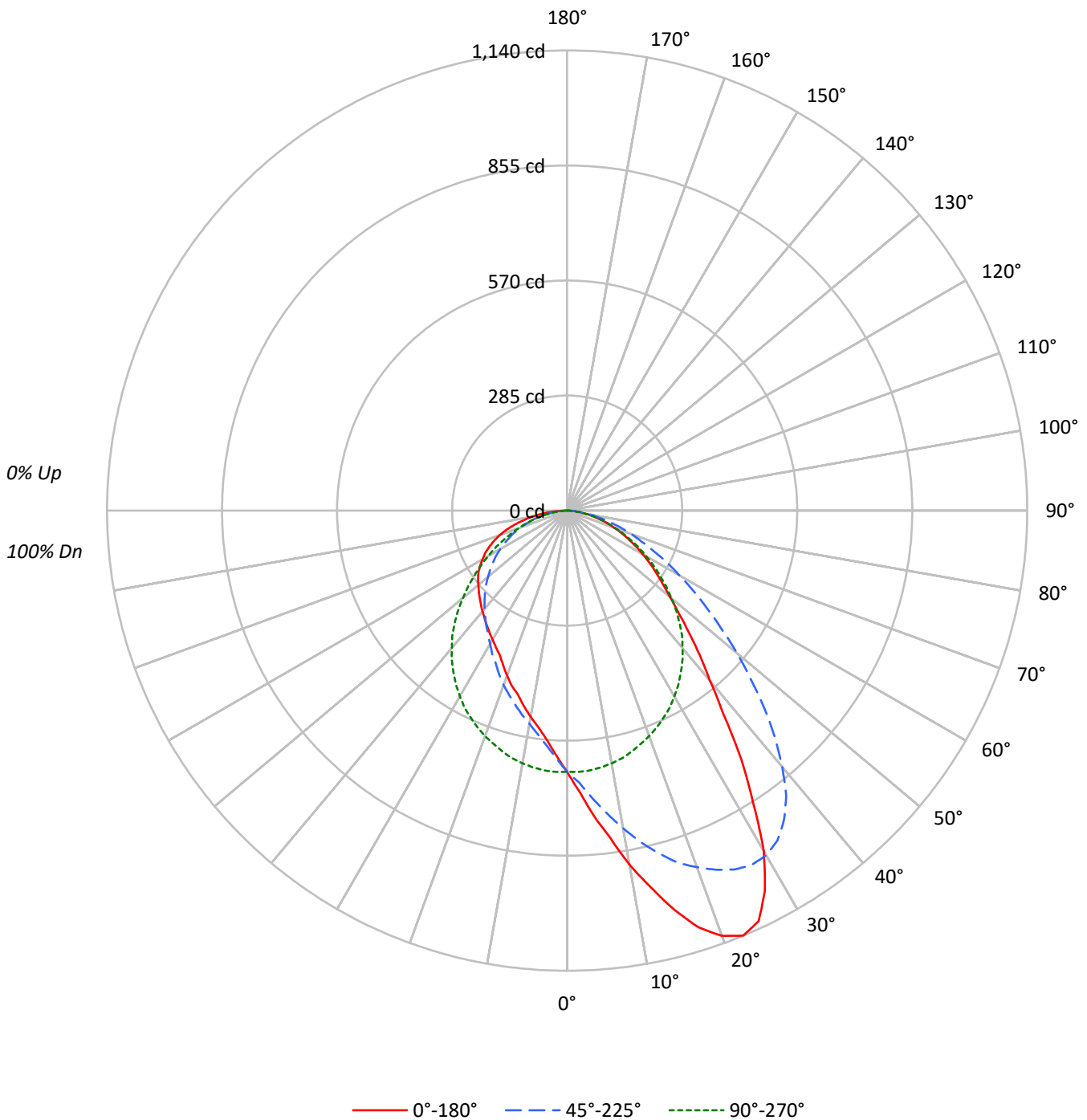
Lumens per Lamp: N/A
Luminaire Lumens: 1855.1 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.22 / 1.45
Luminous Opening: Rectangular (W 3.88' x L: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 17.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P243489

CATALOG NUMBER: S124DRP-H575D927-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot



TEST NUMBER: P243489

CATALOG NUMBER: S124DRP-H575D927-X4F0-XX-UDD-A-W

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|---|--|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | 100 | | | |
| 1 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 98 | 95 | 93 | 94 | 92 | 90 | 91 | 89 | 87 | 85 | | | | | 85 | | | |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 77 | 83 | 79 | 76 | 80 | 77 | 74 | 72 | | | | | 72 | | | |
| 3 | 92 | 81 | 74 | 67 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 64 | 72 | 67 | 63 | 61 | | | | | 61 | | | |
| 4 | 84 | 73 | 64 | 58 | 82 | 71 | 63 | 57 | 69 | 62 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | | | | | 53 | | | |
| 5 | 78 | 65 | 56 | 50 | 75 | 64 | 56 | 50 | 62 | 55 | 49 | 60 | 54 | 49 | 58 | 53 | 48 | 46 | | | | | 46 | | | |
| 6 | 72 | 59 | 50 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 41 | | | | | 41 | | | |
| 7 | 67 | 53 | 45 | 39 | 65 | 53 | 45 | 39 | 51 | 44 | 38 | 50 | 43 | 38 | 48 | 42 | 38 | 36 | | | | | 36 | | | |
| 8 | 62 | 49 | 41 | 35 | 61 | 48 | 40 | 35 | 47 | 40 | 35 | 46 | 39 | 34 | 44 | 39 | 34 | 32 | | | | | 32 | | | |
| 9 | 58 | 45 | 37 | 31 | 57 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 29 | | | | | 29 | | | |
| 10 | 54 | 41 | 34 | 29 | 53 | 41 | 34 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 | | | | | 26 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|------|------|------|
| 0° | 5751 | 5751 | 5751 | 5751 | 5751 |
| 5° | 6767 | 6381 | 5766 | 5212 | 5090 |
| 10° | 8042 | 7215 | 5740 | 4843 | 4686 |
| 15° | 9419 | 8092 | 5689 | 4578 | 4340 |
| 20° | 10606 | 8893 | 5623 | 4348 | 4117 |
| 25° | 11007 | 9621 | 5547 | 4103 | 3874 |
| 30° | 9996 | 10120 | 5453 | 3919 | 3789 |
| 35° | 8155 | 10161 | 5324 | 3788 | 3765 |
| 40° | 6385 | 9618 | 5157 | 3698 | 3782 |
| 45° | 5344 | 8674 | 4949 | 3615 | 3850 |
| 50° | 4587 | 7585 | 4659 | 3535 | 3966 |
| 55° | 4190 | 6572 | 4345 | 3475 | 4158 |
| 60° | 3840 | 5703 | 4023 | 3417 | 4309 |
| 65° | 3521 | 4943 | 3683 | 3304 | 4476 |
| 70° | 3238 | 4330 | 3321 | 3199 | 4613 |
| 75° | 2885 | 3726 | 2919 | 2985 | 4606 |
| 80° | 2406 | 3030 | 2391 | 2759 | 4597 |
| 85° | 1836 | 2264 | 1805 | 2478 | 4314 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 50°
 Vertical Angle: 45°
 Luminance: 9066 cd/sqm

TEST NUMBER: P243489

CATALOG NUMBER: S124DRP-H575D927-X4F0-XX-UDD-A-W

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.0 | 3.4 |
| 10°-20° | 195.0 | 10.5 |
| 20°-30° | 313.3 | 16.9 |
| 30°-40° | 358.2 | 19.3 |
| 40°-50° | 329.7 | 17.8 |
| 50°-60° | 269.7 | 14.5 |
| 60°-70° | 192.2 | 10.4 |
| 70°-80° | 105.6 | 5.7 |
| 80°-90° | 28.4 | 1.5 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 571.3 | 30.8 |
| 0°-40° | 929.5 | 50.1 |
| 0°-60° | 1528.9 | 82.4 |
| 0°-90° | 1855.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1855.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 647 | 647 | 647 | 647 | 647 | |
| 5° | 758 | 715 | 646 | 584 | 570 | 76 |
| 15° | 1024 | 879 | 618 | 498 | 472 | 292 |
| 25° | 1122 | 981 | 566 | 418 | 395 | 504 |
| 35° | 752 | 936 | 491 | 349 | 347 | 467 |
| 45° | 425 | 690 | 394 | 288 | 306 | 332 |
| 55° | 270 | 424 | 280 | 224 | 268 | 243 |
| 65° | 167 | 235 | 175 | 157 | 213 | 167 |
| 75° | 84 | 108 | 85 | 87 | 134 | 90 |
| 85° | 18 | 22 | 18 | 24 | 42 | 21 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P243489

CATALOG NUMBER: S124DRP-H575D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 |
| 2.5° | 696.6 | 694.5 | 693.4 | 692.1 | 691.9 | 690.5 | 687.9 | 684.2 | 679.4 | 674.4 | 674.4 |
| 5° | 758.4 | 757.9 | 753.9 | 754.2 | 749.2 | 743.6 | 739.4 | 734.1 | 723.8 | 715.1 | 709.0 |
| 7.5° | 817.6 | 823.1 | 821.8 | 817.6 | 810.2 | 802.2 | 793.8 | 786.4 | 767.4 | 756.8 | 748.1 |
| 10° | 891.0 | 893.1 | 889.4 | 883.3 | 876.7 | 861.4 | 850.3 | 837.9 | 817.3 | 799.3 | 783.5 |
| 12.5° | 955.4 | 960.4 | 953.8 | 948.0 | 932.4 | 921.1 | 910.0 | 885.2 | 863.5 | 840.8 | 817.8 |
| 15° | 1023.5 | 1018.2 | 1021.7 | 1007.4 | 996.3 | 985.5 | 957.2 | 931.9 | 907.3 | 879.3 | 855.3 |
| 17.5° | 1082.7 | 1082.7 | 1076.3 | 1067.1 | 1055.5 | 1035.1 | 1006.9 | 978.9 | 951.7 | 915.0 | 880.9 |
| 20° | 1121.2 | 1124.1 | 1116.7 | 1107.0 | 1093.0 | 1071.8 | 1049.4 | 1019.0 | 982.9 | 940.1 | 901.5 |
| 22.5° | 1139.7 | 1140.2 | 1137.6 | 1129.4 | 1118.1 | 1100.1 | 1077.1 | 1047.6 | 1009.3 | 963.3 | 922.9 |
| 25° | 1122.3 | 1125.2 | 1124.4 | 1123.9 | 1118.1 | 1107.8 | 1089.3 | 1061.8 | 1027.0 | 981.0 | 937.4 |
| 27.5° | 1061.0 | 1068.2 | 1074.2 | 1076.9 | 1083.2 | 1083.7 | 1078.2 | 1061.5 | 1033.0 | 989.7 | 941.1 |
| 30° | 973.9 | 970.2 | 986.6 | 994.7 | 1016.4 | 1029.3 | 1038.6 | 1037.5 | 1021.1 | 986.0 | 939.8 |
| 32.5° | 857.7 | 867.7 | 879.3 | 898.6 | 924.2 | 954.3 | 977.0 | 993.9 | 992.4 | 969.4 | 930.8 |
| 35° | 751.5 | 751.5 | 766.3 | 790.1 | 817.3 | 853.5 | 891.5 | 922.9 | 942.2 | 936.4 | 909.2 |
| 37.5° | 636.4 | 643.5 | 660.4 | 678.9 | 712.2 | 747.0 | 797.2 | 838.9 | 879.3 | 891.5 | 877.5 |
| 40° | 550.3 | 553.5 | 571.4 | 587.0 | 621.1 | 657.3 | 699.2 | 752.6 | 799.1 | 828.9 | 830.8 |
| 42.5° | 486.4 | 486.1 | 493.5 | 507.5 | 535.0 | 567.2 | 612.6 | 664.9 | 719.3 | 761.6 | 781.4 |
| 45° | 425.1 | 424.6 | 432.3 | 446.5 | 466.1 | 494.6 | 533.9 | 586.2 | 641.9 | 690.0 | 721.2 |
| 47.5° | 373.4 | 378.1 | 381.6 | 392.7 | 408.8 | 433.1 | 466.9 | 508.6 | 562.2 | 616.1 | 658.1 |
| 50° | 331.7 | 333.8 | 341.2 | 346.5 | 364.4 | 381.3 | 408.5 | 446.0 | 492.0 | 548.5 | 593.9 |
| 52.5° | 298.4 | 299.7 | 304.2 | 311.1 | 321.4 | 336.2 | 357.8 | 392.4 | 433.9 | 483.0 | 530.0 |
| 55° | 270.4 | 269.6 | 272.5 | 277.0 | 286.0 | 298.4 | 314.2 | 340.6 | 376.8 | 424.1 | 467.4 |
| 57.5° | 242.9 | 242.9 | 245.6 | 248.8 | 253.8 | 264.1 | 279.6 | 300.5 | 329.6 | 371.5 | 409.8 |
| 60° | 216.0 | 217.9 | 218.9 | 222.1 | 226.3 | 234.0 | 245.6 | 262.0 | 286.5 | 320.8 | 358.9 |
| 62.5° | 192.2 | 192.2 | 194.1 | 195.1 | 200.7 | 206.2 | 214.7 | 228.7 | 248.0 | 278.6 | 308.2 |
| 65° | 167.4 | 169.0 | 169.0 | 171.1 | 175.9 | 180.1 | 186.7 | 197.3 | 213.1 | 235.0 | 262.7 |
| 67.5° | 146.3 | 146.3 | 147.6 | 148.7 | 151.3 | 154.2 | 160.0 | 168.2 | 181.7 | 199.1 | 224.2 |
| 70° | 124.6 | 125.4 | 124.9 | 126.2 | 127.8 | 130.7 | 134.9 | 141.8 | 151.6 | 166.6 | 185.1 |
| 72.5° | 105.1 | 104.0 | 104.6 | 105.9 | 106.7 | 108.5 | 111.2 | 116.5 | 124.4 | 136.5 | 150.0 |
| 75° | 84.0 | 83.4 | 85.3 | 84.8 | 86.1 | 87.7 | 90.0 | 94.0 | 100.1 | 108.5 | 118.8 |
| 77.5° | 65.5 | 64.7 | 65.5 | 66.0 | 66.5 | 67.9 | 69.7 | 72.1 | 76.3 | 81.9 | 91.1 |
| 80° | 47.0 | 46.7 | 47.3 | 47.8 | 48.1 | 50.2 | 50.7 | 53.1 | 54.9 | 59.2 | 63.6 |
| 82.5° | 31.2 | 31.7 | 32.0 | 32.5 | 32.2 | 33.3 | 33.8 | 35.4 | 37.0 | 39.1 | 42.5 |
| 85° | 18.0 | 17.2 | 18.0 | 18.0 | 18.0 | 19.3 | 19.0 | 20.1 | 21.1 | 22.2 | 24.6 |
| 87.5° | 6.3 | 6.3 | 6.6 | 6.9 | 6.9 | 7.7 | 7.4 | 7.9 | 9.0 | 9.0 | 9.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P243489

CATALOG NUMBER: S124DRP-H575D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 |
| 2.5° | 672.8 | 669.9 | 667.8 | 661.8 | 658.1 | 654.6 | 651.5 | 648.0 | 644.3 | 639.6 | 636.7 |
| 5° | 702.7 | 696.3 | 687.1 | 678.7 | 669.1 | 660.7 | 653.8 | 646.2 | 637.7 | 629.0 | 621.3 |
| 7.5° | 735.7 | 723.8 | 709.5 | 694.0 | 679.2 | 666.8 | 653.8 | 641.7 | 629.8 | 618.2 | 607.4 |
| 10° | 768.7 | 748.1 | 729.4 | 708.0 | 688.4 | 669.7 | 652.8 | 635.9 | 621.1 | 605.8 | 592.0 |
| 12.5° | 799.3 | 774.5 | 747.0 | 720.4 | 694.2 | 669.9 | 649.1 | 628.5 | 609.5 | 591.2 | 575.1 |
| 15° | 822.8 | 791.7 | 759.2 | 727.5 | 697.4 | 672.0 | 644.9 | 618.2 | 598.4 | 576.2 | 558.5 |
| 17.5° | 849.8 | 812.8 | 780.6 | 742.6 | 705.1 | 664.1 | 635.3 | 606.3 | 582.5 | 561.1 | 543.4 |
| 20° | 867.7 | 827.1 | 780.6 | 737.5 | 699.0 | 662.3 | 627.7 | 594.4 | 569.3 | 544.5 | 523.1 |
| 22.5° | 882.0 | 840.0 | 788.8 | 743.9 | 695.6 | 651.2 | 613.7 | 580.9 | 551.4 | 527.9 | 507.5 |
| 25° | 889.4 | 838.1 | 789.3 | 734.9 | 686.6 | 644.1 | 601.8 | 565.6 | 535.8 | 509.6 | 492.2 |
| 27.5° | 889.6 | 837.1 | 779.3 | 725.4 | 673.6 | 627.7 | 586.0 | 550.3 | 516.8 | 491.7 | 470.8 |
| 30° | 888.3 | 830.2 | 769.2 | 710.3 | 658.8 | 611.8 | 568.3 | 531.3 | 500.7 | 474.0 | 454.2 |
| 32.5° | 879.9 | 820.7 | 754.2 | 692.4 | 636.4 | 589.1 | 549.0 | 512.3 | 479.5 | 455.3 | 434.4 |
| 35° | 860.9 | 799.9 | 733.0 | 669.4 | 616.3 | 567.2 | 527.6 | 490.6 | 461.3 | 434.9 | 413.5 |
| 37.5° | 836.6 | 779.5 | 711.7 | 645.1 | 587.8 | 541.3 | 504.1 | 469.2 | 438.6 | 414.3 | 392.9 |
| 40° | 805.9 | 752.3 | 685.5 | 616.3 | 559.0 | 512.0 | 476.9 | 444.4 | 418.3 | 393.5 | 372.6 |
| 42.5° | 763.9 | 722.8 | 654.1 | 586.8 | 526.8 | 482.5 | 448.4 | 421.5 | 394.5 | 372.1 | 351.2 |
| 45° | 719.1 | 681.6 | 620.6 | 553.7 | 496.2 | 450.5 | 418.5 | 393.7 | 370.7 | 348.0 | 331.1 |
| 47.5° | 669.4 | 638.8 | 582.3 | 517.0 | 460.3 | 419.9 | 388.4 | 366.3 | 345.1 | 327.7 | 310.8 |
| 50° | 610.3 | 594.2 | 541.3 | 482.2 | 427.0 | 385.5 | 359.7 | 336.9 | 321.4 | 304.5 | 288.6 |
| 52.5° | 555.3 | 542.4 | 499.4 | 441.3 | 391.1 | 354.6 | 326.9 | 309.0 | 293.6 | 281.2 | 268.6 |
| 55° | 495.7 | 489.1 | 452.6 | 402.4 | 357.0 | 320.6 | 296.8 | 280.4 | 268.3 | 256.7 | 247.4 |
| 57.5° | 440.7 | 440.2 | 408.0 | 364.9 | 320.6 | 289.7 | 267.0 | 253.5 | 242.9 | 234.8 | 226.8 |
| 60° | 384.5 | 389.0 | 362.6 | 323.2 | 288.1 | 259.0 | 238.5 | 226.3 | 219.2 | 211.5 | 204.9 |
| 62.5° | 333.5 | 340.4 | 316.4 | 285.5 | 250.9 | 227.1 | 211.3 | 202.0 | 194.1 | 188.5 | 183.5 |
| 65° | 284.7 | 293.4 | 273.8 | 246.1 | 219.7 | 197.3 | 183.8 | 175.1 | 169.0 | 165.8 | 162.4 |
| 67.5° | 241.6 | 246.4 | 233.2 | 211.5 | 189.6 | 170.1 | 159.0 | 151.3 | 146.0 | 144.7 | 140.7 |
| 70° | 198.6 | 204.1 | 194.9 | 175.1 | 158.2 | 143.9 | 133.9 | 127.8 | 124.6 | 122.8 | 120.2 |
| 72.5° | 164.0 | 166.4 | 157.1 | 143.4 | 129.9 | 118.0 | 110.6 | 106.2 | 102.5 | 101.7 | 100.3 |
| 75° | 128.3 | 131.8 | 124.4 | 113.8 | 102.7 | 94.3 | 88.7 | 85.0 | 83.2 | 81.9 | 81.9 |
| 77.5° | 96.9 | 99.8 | 95.6 | 86.3 | 79.7 | 72.4 | 68.7 | 65.2 | 64.4 | 63.1 | 63.6 |
| 80° | 68.9 | 70.2 | 67.9 | 61.5 | 55.7 | 51.8 | 48.6 | 46.7 | 46.5 | 45.4 | 46.5 |
| 82.5° | 45.7 | 45.9 | 43.3 | 40.4 | 35.9 | 33.8 | 31.7 | 30.9 | 30.6 | 30.6 | 30.1 |
| 85° | 25.4 | 25.9 | 24.0 | 22.2 | 20.6 | 18.7 | 18.2 | 17.7 | 17.2 | 18.0 | 18.5 |
| 87.5° | 9.8 | 10.0 | 9.8 | 9.0 | 8.5 | 7.9 | 7.7 | 8.2 | 7.4 | 7.9 | 8.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P243489

CATALOG NUMBER: S124DRP-H575D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 | 647.0 |
| 2.5° | 632.2 | 630.1 | 626.9 | 621.6 | 617.9 | 614.0 | 612.4 | 612.9 | 611.3 | 609.2 | 609.7 |
| 5° | 615.5 | 609.5 | 604.2 | 596.8 | 589.9 | 584.1 | 582.3 | 579.9 | 577.8 | 576.5 | 575.1 |
| 7.5° | 597.8 | 589.4 | 581.5 | 574.1 | 566.2 | 558.8 | 555.9 | 553.7 | 552.7 | 549.0 | 547.4 |
| 10° | 580.9 | 571.2 | 561.7 | 553.0 | 544.8 | 536.6 | 533.7 | 531.0 | 527.3 | 525.8 | 523.9 |
| 12.5° | 563.0 | 553.2 | 542.9 | 532.4 | 524.2 | 517.6 | 512.6 | 510.7 | 507.0 | 505.4 | 504.4 |
| 15° | 545.6 | 533.7 | 525.5 | 517.3 | 504.9 | 497.5 | 495.4 | 488.8 | 486.7 | 483.5 | 481.4 |
| 17.5° | 528.1 | 517.0 | 504.9 | 495.4 | 487.7 | 478.5 | 473.5 | 470.6 | 466.6 | 463.7 | 459.7 |
| 20° | 511.0 | 498.0 | 488.5 | 476.6 | 468.2 | 459.7 | 453.4 | 450.8 | 447.3 | 443.4 | 437.8 |
| 22.5° | 494.3 | 480.1 | 470.8 | 459.7 | 449.2 | 439.4 | 434.1 | 430.4 | 423.6 | 422.8 | 417.8 |
| 25° | 474.8 | 462.1 | 450.0 | 438.4 | 428.1 | 418.3 | 414.8 | 409.0 | 406.7 | 401.9 | 401.1 |
| 27.5° | 456.3 | 442.8 | 429.6 | 417.0 | 408.0 | 401.1 | 395.0 | 391.3 | 389.0 | 385.3 | 385.5 |
| 30° | 437.0 | 422.2 | 409.8 | 398.2 | 388.4 | 381.8 | 377.9 | 376.0 | 372.6 | 372.1 | 370.2 |
| 32.5° | 416.4 | 403.0 | 390.0 | 379.7 | 369.7 | 363.9 | 362.0 | 360.2 | 358.1 | 358.3 | 357.8 |
| 35° | 395.8 | 384.0 | 370.2 | 360.7 | 352.5 | 349.1 | 346.2 | 345.7 | 344.9 | 345.4 | 345.4 |
| 37.5° | 375.8 | 362.8 | 351.5 | 342.8 | 338.0 | 333.3 | 331.9 | 331.7 | 331.9 | 332.5 | 333.8 |
| 40° | 356.2 | 344.3 | 333.3 | 326.1 | 320.8 | 318.7 | 316.9 | 317.7 | 318.7 | 320.6 | 322.2 |
| 42.5° | 336.7 | 325.3 | 316.1 | 309.0 | 303.9 | 302.9 | 303.1 | 304.7 | 305.0 | 307.6 | 310.5 |
| 45° | 316.1 | 306.3 | 297.6 | 292.1 | 288.9 | 287.6 | 288.1 | 289.7 | 291.5 | 295.2 | 298.9 |
| 47.5° | 297.1 | 288.4 | 280.7 | 275.2 | 272.8 | 272.3 | 273.3 | 275.4 | 279.6 | 283.3 | 287.6 |
| 50° | 277.8 | 269.9 | 262.7 | 257.7 | 257.5 | 255.6 | 258.0 | 260.6 | 265.7 | 270.7 | 277.0 |
| 52.5° | 258.8 | 251.1 | 245.1 | 241.1 | 240.0 | 240.0 | 242.9 | 247.7 | 252.2 | 258.8 | 264.6 |
| 55° | 239.0 | 232.1 | 226.3 | 225.0 | 223.4 | 224.2 | 227.4 | 232.1 | 238.5 | 245.8 | 252.2 |
| 57.5° | 218.6 | 212.8 | 208.6 | 206.8 | 206.0 | 208.6 | 212.3 | 217.3 | 225.5 | 232.9 | 239.8 |
| 60° | 199.4 | 194.4 | 189.9 | 189.3 | 188.8 | 192.2 | 196.7 | 202.0 | 210.2 | 217.6 | 226.0 |
| 62.5° | 178.8 | 174.8 | 171.9 | 171.1 | 171.1 | 174.5 | 179.6 | 186.4 | 194.1 | 202.0 | 211.0 |
| 65° | 157.9 | 154.5 | 153.7 | 152.6 | 155.0 | 157.1 | 162.1 | 168.7 | 176.9 | 185.6 | 195.1 |
| 67.5° | 138.6 | 136.5 | 134.9 | 134.9 | 136.8 | 140.7 | 145.2 | 151.8 | 160.3 | 169.5 | 178.0 |
| 70° | 119.4 | 117.2 | 115.9 | 117.2 | 118.3 | 123.1 | 127.8 | 134.1 | 142.1 | 151.0 | 160.0 |
| 72.5° | 99.3 | 99.6 | 99.8 | 99.6 | 100.6 | 105.1 | 109.9 | 115.9 | 123.6 | 132.3 | 140.5 |
| 75° | 81.6 | 80.3 | 80.5 | 81.1 | 84.5 | 86.9 | 91.6 | 97.4 | 105.6 | 113.5 | 120.4 |
| 77.5° | 63.4 | 62.8 | 64.2 | 64.2 | 67.3 | 70.2 | 74.2 | 80.0 | 87.1 | 94.3 | 99.8 |
| 80° | 46.5 | 46.7 | 47.8 | 48.1 | 50.7 | 53.9 | 58.1 | 62.1 | 68.4 | 73.4 | 78.7 |
| 82.5° | 31.4 | 32.0 | 33.3 | 35.1 | 36.2 | 38.0 | 41.7 | 45.9 | 50.4 | 55.7 | 58.9 |
| 85° | 18.2 | 19.0 | 20.1 | 21.4 | 22.4 | 24.3 | 26.9 | 30.4 | 33.5 | 36.4 | 39.1 |
| 87.5° | 9.0 | 9.0 | 9.8 | 10.3 | 11.1 | 12.1 | 14.0 | 15.3 | 17.4 | 19.5 | 20.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P243489

CATALOG NUMBER: S124DRP-H575D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 647.0 | 647.0 | 647.0 | 647.0 |
| 2.5° | 608.7 | 608.4 | 607.4 | 607.9 |
| 5° | 574.3 | 571.7 | 571.4 | 570.4 |
| 7.5° | 544.8 | 544.0 | 544.0 | 541.9 |
| 10° | 522.1 | 519.7 | 520.2 | 519.2 |
| 12.5° | 500.4 | 499.1 | 497.5 | 495.9 |
| 15° | 476.1 | 476.1 | 476.1 | 471.6 |
| 17.5° | 457.1 | 456.8 | 455.5 | 455.3 |
| 20° | 437.3 | 436.2 | 432.8 | 435.2 |
| 22.5° | 417.2 | 416.4 | 413.5 | 414.1 |
| 25° | 398.5 | 397.7 | 397.2 | 395.0 |
| 27.5° | 382.4 | 382.6 | 383.2 | 381.8 |
| 30° | 370.2 | 369.4 | 370.5 | 369.2 |
| 32.5° | 358.9 | 358.9 | 357.8 | 358.1 |
| 35° | 345.9 | 347.0 | 347.2 | 347.0 |
| 37.5° | 334.6 | 335.9 | 336.9 | 335.9 |
| 40° | 324.0 | 325.1 | 326.1 | 325.9 |
| 42.5° | 312.9 | 314.8 | 315.6 | 316.4 |
| 45° | 302.4 | 304.7 | 306.1 | 306.3 |
| 47.5° | 291.5 | 294.4 | 297.1 | 296.8 |
| 50° | 281.0 | 284.7 | 287.0 | 286.8 |
| 52.5° | 270.4 | 274.1 | 277.0 | 278.3 |
| 55° | 258.5 | 263.3 | 265.9 | 268.3 |
| 57.5° | 246.6 | 251.9 | 254.6 | 255.6 |
| 60° | 233.4 | 238.2 | 241.6 | 242.4 |
| 62.5° | 218.6 | 223.7 | 228.2 | 229.2 |
| 65° | 203.3 | 208.9 | 212.3 | 212.8 |
| 67.5° | 185.6 | 190.9 | 194.4 | 195.9 |
| 70° | 167.4 | 171.4 | 175.1 | 177.5 |
| 72.5° | 147.1 | 151.8 | 155.3 | 156.9 |
| 75° | 126.0 | 131.2 | 133.1 | 134.1 |
| 77.5° | 104.0 | 107.2 | 110.1 | 110.4 |
| 80° | 82.1 | 86.1 | 87.1 | 89.8 |
| 82.5° | 60.5 | 64.2 | 63.4 | 64.4 |
| 85° | 39.9 | 41.2 | 42.0 | 42.3 |
| 87.5° | 21.1 | 21.9 | 22.4 | 22.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

TEST NUMBER: P243489

CATALOG NUMBER: S124DRP-H575D927-X4F0-XX-UDD-A-W

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 16.65 | 18.22 | 17.01 | 18.53 | 18.85 | 16.93 | 18.51 | 17.30 | 18.82 | 19.13 |
| | 3H | 18.09 | 19.50 | 18.47 | 19.83 | 20.19 | 18.32 | 19.74 | 18.70 | 20.06 | 20.42 |
| | 4H | 18.61 | 19.94 | 19.01 | 20.29 | 20.66 | 18.80 | 20.13 | 19.20 | 20.48 | 20.86 |
| | 6H | 18.95 | 20.18 | 19.36 | 20.55 | 20.94 | 19.12 | 20.35 | 19.53 | 20.72 | 21.11 |
| | 8H | 19.05 | 20.22 | 19.47 | 20.61 | 21.01 | 19.20 | 20.38 | 19.63 | 20.77 | 21.17 |
| | 12H | 19.10 | 20.22 | 19.53 | 20.61 | 21.04 | 19.25 | 20.37 | 19.68 | 20.75 | 21.18 |
| 4H | 2H | 17.78 | 19.11 | 18.18 | 19.46 | 19.84 | 17.72 | 19.05 | 18.12 | 19.40 | 19.78 |
| | 3H | 19.29 | 20.40 | 19.70 | 20.79 | 21.20 | 19.43 | 20.54 | 19.84 | 20.94 | 21.34 |
| | 4H | 19.86 | 20.86 | 20.29 | 21.28 | 21.71 | 20.02 | 21.02 | 20.45 | 21.44 | 21.88 |
| | 6H | 20.27 | 21.15 | 20.73 | 21.59 | 22.04 | 20.42 | 21.30 | 20.88 | 21.74 | 22.20 |
| | 8H | 20.39 | 21.21 | 20.85 | 21.65 | 22.12 | 20.53 | 21.35 | 20.99 | 21.79 | 22.26 |
| | 12H | 20.46 | 21.20 | 20.94 | 21.67 | 22.14 | 20.60 | 21.33 | 21.08 | 21.81 | 22.28 |
| 8H | 4H | 20.29 | 21.10 | 20.75 | 21.55 | 22.01 | 20.36 | 21.18 | 20.82 | 21.62 | 22.09 |
| | 6H | 20.78 | 21.46 | 21.28 | 21.95 | 22.43 | 20.89 | 21.57 | 21.39 | 22.06 | 22.54 |
| | 8H | 20.95 | 21.55 | 21.46 | 22.06 | 22.55 | 21.06 | 21.67 | 21.57 | 22.17 | 22.66 |
| | 12H | 21.06 | 21.60 | 21.57 | 22.09 | 22.66 | 21.17 | 21.71 | 21.68 | 22.20 | 22.76 |
| 12H | 4H | 20.33 | 21.06 | 20.81 | 21.54 | 22.01 | 20.40 | 21.13 | 20.88 | 21.61 | 22.08 |
| | 6H | 20.85 | 21.46 | 21.36 | 21.97 | 22.45 | 20.96 | 21.57 | 21.47 | 22.07 | 22.56 |
| | 8H | 21.06 | 21.60 | 21.57 | 22.09 | 22.65 | 21.18 | 21.72 | 21.69 | 22.21 | 22.77 |