

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: P243416

Luminaire Tested: S123RDRP-H775D940-X4F0-XX-UDD-F-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-64)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDRP-H775D940-X4F0-XX-UDD-F-W
Description: DEFINE 3 REGRESSED DIRECT RECESSED WITH SATIN FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

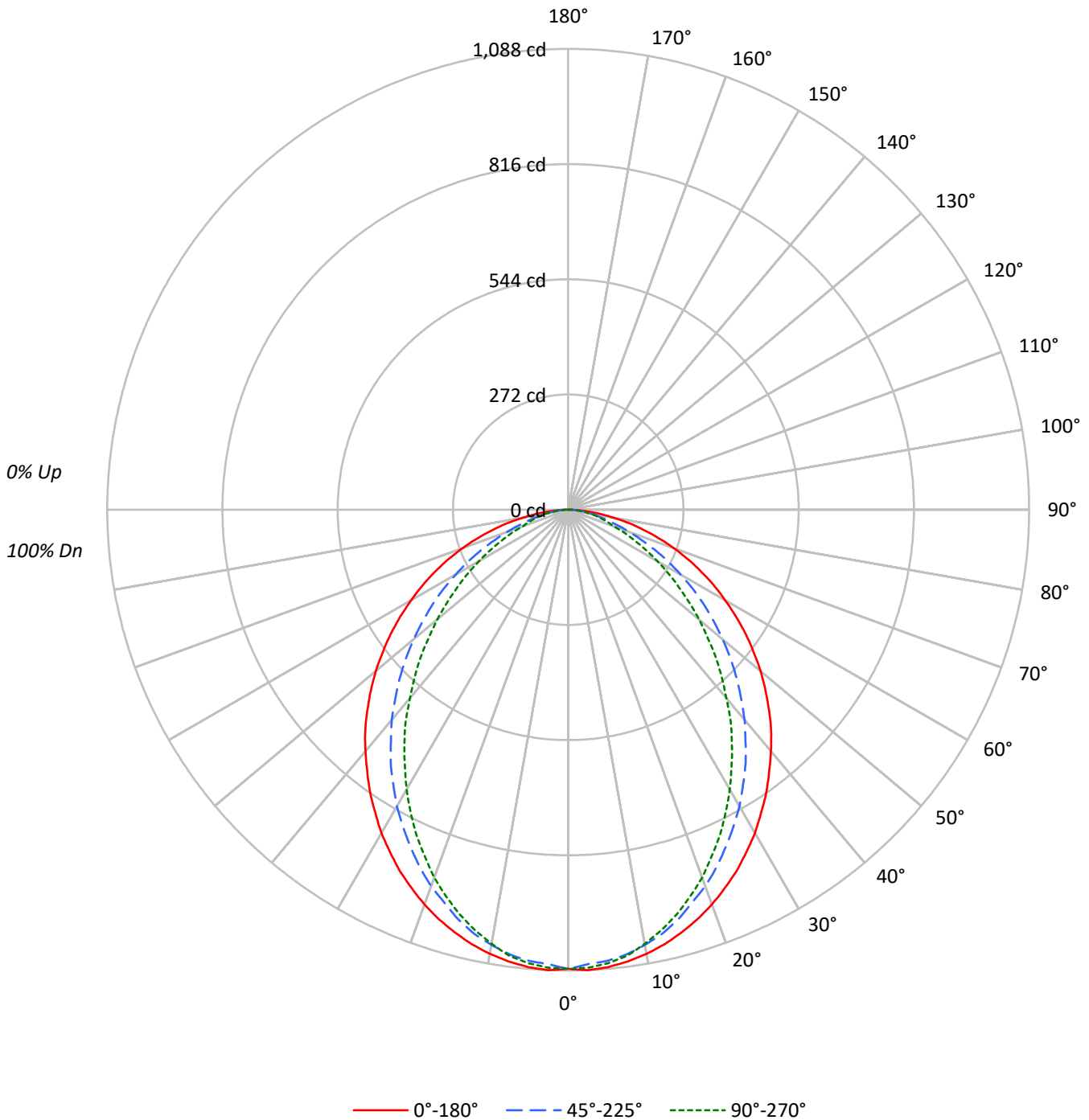
Lumens per Lamp: N/A
Luminaire Lumens: 2447.5 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.07 / 1.22
Luminous Opening: Rectangular (W 0.23' x L: 3.88' x H: 0')
CIE Type: Direct

Input Watts (W): 23.6
Input Voltage (V): 120
Input Current (A_{in}): 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: P243416

CATALOG NUMBER: S123RDRP-H775D940-X4F0-XX-UDD-F-W

Luminous Intensity Polar Plot





TEST NUMBER: P243416

CATALOG NUMBER: S123RDRP-H775D940-X4F0-XX-UDD-F-W

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 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 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 110 | 105 | 101 | 98 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | 95 | 93 | 90 | 91 | 89 | 88 | 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 101 | 93 | 87 | 81 | 98 | 91 | 85 | 80 | 87 | 83 | 78 | 84 | 80 | 77 | 81 | 78 | 75 | 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 92 | 82 | 75 | 69 | 90 | 81 | 74 | 68 | 78 | 72 | 67 | 75 | 70 | 66 | 73 | 68 | 65 | 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 85 | 73 | 65 | 59 | 83 | 72 | 64 | 58 | 70 | 63 | 58 | 67 | 62 | 57 | 65 | 60 | 56 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 78 | 66 | 58 | 51 | 76 | 65 | 57 | 51 | 63 | 56 | 50 | 61 | 55 | 50 | 59 | 54 | 49 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 73 | 60 | 51 | 45 | 71 | 59 | 51 | 45 | 57 | 50 | 45 | 56 | 49 | 44 | 54 | 48 | 44 | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 67 | 55 | 46 | 40 | 66 | 54 | 46 | 40 | 52 | 45 | 40 | 51 | 44 | 40 | 49 | 44 | 39 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 63 | 50 | 42 | 36 | 61 | 49 | 41 | 36 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 59 | 46 | 38 | 33 | 58 | 45 | 38 | 33 | 44 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 55 | 43 | 35 | 30 | 54 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 30 | 39 | 34 | 29 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 13139 | 13139 | 13139 |
| 5° | 13190 | 13007 | 13078 |
| 10° | 13107 | 12840 | 12809 |
| 15° | 12965 | 12569 | 12412 |
| 20° | 12791 | 12200 | 11921 |
| 25° | 12583 | 11759 | 11336 |
| 30° | 12341 | 11315 | 10674 |
| 35° | 12061 | 10805 | 9967 |
| 40° | 11777 | 10249 | 9182 |
| 45° | 11489 | 9634 | 8449 |
| 50° | 11179 | 8965 | 7599 |
| 55° | 10803 | 8269 | 6739 |
| 60° | 10373 | 7447 | 5874 |
| 65° | 9958 | 6519 | 5013 |
| 70° | 9385 | 5458 | 4012 |
| 75° | 8655 | 4327 | 3822 |
| 80° | 7553 | 3832 | 3490 |
| 85° | 6370 | 3352 | 3240 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11489 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 102.0 | 4.2 |
| 10°-20° | 283.9 | 11.6 |
| 20°-30° | 408.7 | 16.7 |
| 30°-40° | 460.4 | 18.8 |
| 40°-50° | 439.8 | 18.0 |
| 50°-60° | 359.6 | 14.7 |
| 60°-70° | 241.5 | 9.9 |
| 70°-80° | 120.4 | 4.9 |
| 80°-90° | 31.1 | 1.3 |
| 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° | 794.6 | 32.5 |
| 0°-40° | 1255.0 | 51.3 |
| 0°-60° | 2054.4 | 83.9 |
| 0°-90° | 2447.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2447.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1084 | 1084 | 1084 | 1084 | 1084 | |
| 5° | 1084 | 1080 | 1069 | 1077 | 1075 | 103 |
| 15° | 1033 | 1026 | 1002 | 996 | 989 | 291 |
| 25° | 941 | 920 | 879 | 860 | 848 | 433 |
| 35° | 815 | 783 | 730 | 689 | 674 | 510 |
| 45° | 670 | 630 | 562 | 513 | 493 | 517 |
| 55° | 511 | 465 | 391 | 337 | 319 | 457 |
| 65° | 347 | 299 | 227 | 186 | 175 | 343 |
| 75° | 185 | 141 | 92 | 83 | 82 | 196 |
| 85° | 46 | 27 | 24 | 22 | 23 | 53 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 |
| 2.5° | 1088.2 | 1085.7 | 1082.3 | 1083.2 | 1084.0 | 1084.8 | 1084.8 | 1084.0 | 1081.5 | 1078.2 | 1074.0 |
| 5° | 1084.0 | 1081.5 | 1078.2 | 1078.2 | 1079.8 | 1079.8 | 1079.8 | 1079.0 | 1076.5 | 1073.2 | 1069.0 |
| 7.5° | 1075.7 | 1074.0 | 1069.9 | 1070.7 | 1071.5 | 1071.5 | 1071.5 | 1070.7 | 1067.4 | 1063.2 | 1059.0 |
| 10° | 1064.9 | 1062.4 | 1059.0 | 1059.0 | 1059.9 | 1059.9 | 1059.9 | 1058.2 | 1054.0 | 1049.0 | 1043.2 |
| 12.5° | 1050.7 | 1048.2 | 1044.9 | 1044.9 | 1044.9 | 1044.9 | 1044.9 | 1042.4 | 1035.7 | 1030.7 | 1025.7 |
| 15° | 1033.2 | 1030.7 | 1027.4 | 1027.4 | 1026.6 | 1025.7 | 1024.1 | 1019.9 | 1014.1 | 1008.2 | 1001.6 |
| 17.5° | 1014.1 | 1010.7 | 1006.6 | 1005.7 | 1004.9 | 1004.1 | 1001.6 | 999.1 | 990.8 | 982.4 | 972.4 |
| 20° | 991.6 | 988.3 | 984.1 | 983.3 | 980.8 | 978.3 | 976.6 | 971.6 | 962.5 | 952.5 | 945.8 |
| 22.5° | 966.6 | 963.3 | 959.1 | 957.5 | 952.5 | 950.8 | 948.3 | 940.8 | 930.8 | 921.7 | 914.2 |
| 25° | 940.8 | 936.6 | 931.6 | 929.1 | 923.3 | 920.0 | 919.2 | 908.3 | 898.3 | 888.4 | 879.2 |
| 27.5° | 910.8 | 907.5 | 903.3 | 898.3 | 892.5 | 888.4 | 886.7 | 876.7 | 864.2 | 852.6 | 844.2 |
| 30° | 881.7 | 876.7 | 872.5 | 866.7 | 858.4 | 854.2 | 850.9 | 840.9 | 830.1 | 815.9 | 808.4 |
| 32.5° | 847.6 | 844.2 | 839.2 | 833.4 | 825.1 | 821.7 | 816.8 | 804.3 | 790.1 | 780.1 | 768.5 |
| 35° | 815.1 | 811.8 | 804.3 | 798.4 | 786.8 | 783.4 | 778.5 | 767.6 | 751.8 | 740.2 | 730.2 |
| 37.5° | 779.3 | 775.1 | 769.3 | 761.0 | 751.0 | 746.8 | 740.2 | 729.3 | 711.0 | 699.4 | 686.9 |
| 40° | 744.3 | 738.5 | 731.8 | 722.7 | 712.7 | 708.5 | 702.7 | 686.9 | 671.9 | 658.6 | 647.7 |
| 42.5° | 709.4 | 702.7 | 694.4 | 686.0 | 675.2 | 669.4 | 662.7 | 647.7 | 631.1 | 618.6 | 603.6 |
| 45° | 670.2 | 665.2 | 656.9 | 646.9 | 634.4 | 630.3 | 622.8 | 606.9 | 590.3 | 577.0 | 562.0 |
| 47.5° | 631.9 | 626.1 | 617.8 | 607.8 | 595.3 | 589.5 | 582.0 | 566.1 | 549.5 | 532.8 | 519.5 |
| 50° | 592.8 | 587.0 | 577.0 | 567.0 | 555.3 | 547.8 | 541.2 | 525.4 | 507.0 | 492.0 | 475.4 |
| 52.5° | 551.2 | 546.2 | 537.8 | 527.9 | 512.9 | 507.0 | 500.4 | 482.9 | 465.4 | 447.9 | 432.9 |
| 55° | 511.2 | 507.9 | 497.9 | 487.9 | 472.1 | 465.4 | 458.7 | 440.4 | 422.9 | 405.5 | 391.3 |
| 57.5° | 469.6 | 467.1 | 457.1 | 445.4 | 431.3 | 424.6 | 416.3 | 398.0 | 381.3 | 363.8 | 348.8 |
| 60° | 427.9 | 425.4 | 415.5 | 403.8 | 390.5 | 382.2 | 373.0 | 358.8 | 339.7 | 323.9 | 307.2 |
| 62.5° | 388.0 | 384.6 | 376.3 | 363.8 | 348.8 | 340.5 | 332.2 | 315.5 | 298.1 | 281.4 | 266.4 |
| 65° | 347.2 | 343.0 | 333.0 | 320.5 | 306.4 | 298.9 | 290.6 | 274.7 | 257.3 | 241.4 | 227.3 |
| 67.5° | 306.4 | 302.2 | 291.4 | 281.4 | 264.8 | 257.3 | 249.8 | 234.0 | 217.3 | 201.5 | 188.2 |
| 70° | 264.8 | 260.6 | 252.3 | 238.9 | 224.8 | 217.3 | 209.8 | 193.2 | 178.2 | 166.5 | 154.0 |
| 72.5° | 224.0 | 220.6 | 212.3 | 199.8 | 186.5 | 179.0 | 170.7 | 156.5 | 143.2 | 130.7 | 121.6 |
| 75° | 184.8 | 179.8 | 172.3 | 160.7 | 147.4 | 140.7 | 134.9 | 120.7 | 108.2 | 99.9 | 92.4 |
| 77.5° | 147.4 | 141.5 | 133.2 | 124.1 | 111.6 | 104.9 | 99.1 | 87.4 | 79.1 | 73.3 | 71.6 |
| 80° | 108.2 | 107.4 | 99.1 | 89.1 | 78.3 | 73.3 | 67.4 | 59.9 | 57.4 | 56.6 | 54.9 |
| 82.5° | 75.8 | 72.4 | 65.8 | 56.6 | 48.3 | 45.0 | 43.3 | 41.6 | 40.0 | 40.0 | 38.3 |
| 85° | 45.8 | 42.5 | 36.6 | 29.1 | 27.5 | 26.6 | 25.8 | 25.8 | 25.0 | 24.1 | 24.1 |
| 87.5° | 20.0 | 16.7 | 12.5 | 11.7 | 10.8 | 10.8 | 11.7 | 11.7 | 11.7 | 10.8 | 10.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 | 1084.0 |
| 2.5° | 1075.7 | 1079.8 | 1082.3 | 1083.2 | 1083.2 | 1083.2 | 1084.0 | 1084.0 | 1083.2 | 1082.3 |
| 5° | 1069.9 | 1074.0 | 1075.7 | 1077.3 | 1077.3 | 1077.3 | 1077.3 | 1077.3 | 1076.5 | 1074.8 |
| 7.5° | 1060.7 | 1063.2 | 1065.7 | 1064.9 | 1064.9 | 1064.0 | 1063.2 | 1064.0 | 1062.4 | 1062.4 |
| 10° | 1044.0 | 1046.5 | 1048.2 | 1045.7 | 1045.7 | 1046.5 | 1046.5 | 1045.7 | 1043.2 | 1040.7 |
| 12.5° | 1024.9 | 1027.4 | 1024.9 | 1025.7 | 1024.1 | 1022.4 | 1021.6 | 1020.7 | 1018.2 | 1016.6 |
| 15° | 999.9 | 999.9 | 998.3 | 998.3 | 995.8 | 992.4 | 991.6 | 992.4 | 989.1 | 989.1 |
| 17.5° | 972.4 | 970.8 | 968.3 | 966.6 | 965.8 | 965.8 | 962.5 | 962.5 | 958.3 | 957.5 |
| 20° | 942.5 | 940.8 | 938.3 | 934.1 | 932.5 | 933.3 | 930.0 | 927.5 | 925.0 | 924.2 |
| 22.5° | 910.8 | 906.7 | 904.2 | 900.0 | 896.7 | 896.7 | 894.2 | 890.0 | 887.5 | 885.0 |
| 25° | 875.0 | 870.9 | 865.9 | 862.5 | 860.0 | 855.9 | 854.2 | 850.9 | 848.4 | 847.6 |
| 27.5° | 838.4 | 831.7 | 825.1 | 821.7 | 820.1 | 815.1 | 812.6 | 810.9 | 805.9 | 805.1 |
| 30° | 799.3 | 794.3 | 785.9 | 780.1 | 776.0 | 776.8 | 771.0 | 767.6 | 765.1 | 762.6 |
| 32.5° | 761.8 | 753.5 | 745.2 | 737.7 | 732.7 | 731.8 | 726.0 | 722.7 | 720.2 | 717.7 |
| 35° | 719.3 | 711.0 | 701.0 | 694.4 | 689.4 | 686.9 | 681.0 | 679.4 | 675.2 | 673.6 |
| 37.5° | 676.9 | 667.7 | 657.7 | 649.4 | 646.1 | 640.2 | 637.7 | 633.6 | 630.3 | 630.3 |
| 40° | 635.3 | 624.4 | 614.4 | 604.4 | 600.3 | 597.0 | 590.3 | 587.0 | 582.8 | 580.3 |
| 42.5° | 592.0 | 579.5 | 570.3 | 561.2 | 555.3 | 552.8 | 545.3 | 541.2 | 537.0 | 536.2 |
| 45° | 548.7 | 536.2 | 524.5 | 515.4 | 512.9 | 507.9 | 500.4 | 494.5 | 493.7 | 492.9 |
| 47.5° | 504.5 | 492.0 | 481.2 | 471.2 | 467.9 | 462.1 | 457.1 | 452.9 | 447.9 | 445.4 |
| 50° | 462.1 | 449.6 | 437.9 | 427.1 | 422.9 | 418.0 | 413.0 | 407.1 | 405.5 | 403.0 |
| 52.5° | 419.6 | 405.5 | 393.0 | 383.0 | 379.7 | 375.5 | 369.7 | 364.7 | 362.2 | 360.5 |
| 55° | 376.3 | 362.2 | 351.3 | 341.4 | 337.2 | 334.7 | 328.0 | 323.9 | 320.5 | 318.9 |
| 57.5° | 333.9 | 319.7 | 309.7 | 302.2 | 296.4 | 293.9 | 287.2 | 283.1 | 281.4 | 280.6 |
| 60° | 293.9 | 280.6 | 269.8 | 262.3 | 257.3 | 254.8 | 249.8 | 245.6 | 243.1 | 242.3 |
| 62.5° | 253.9 | 242.3 | 232.3 | 224.8 | 221.5 | 218.1 | 214.0 | 210.6 | 208.1 | 208.1 |
| 65° | 215.6 | 204.0 | 194.8 | 189.0 | 185.7 | 184.0 | 179.0 | 177.3 | 174.8 | 174.8 |
| 67.5° | 178.2 | 169.8 | 163.2 | 155.7 | 153.2 | 153.2 | 148.2 | 146.5 | 144.9 | 144.9 |
| 70° | 145.7 | 138.2 | 130.7 | 126.6 | 124.1 | 123.2 | 119.1 | 116.6 | 114.9 | 113.2 |
| 72.5° | 114.1 | 107.4 | 100.7 | 99.9 | 99.9 | 99.1 | 99.1 | 97.4 | 97.4 | 98.2 |
| 75° | 87.4 | 85.8 | 84.1 | 84.1 | 83.3 | 82.4 | 82.4 | 81.6 | 81.6 | 81.6 |
| 77.5° | 69.9 | 69.1 | 68.3 | 67.4 | 67.4 | 66.6 | 65.8 | 65.8 | 65.8 | 65.8 |
| 80° | 53.3 | 52.5 | 52.5 | 51.6 | 50.8 | 51.6 | 50.8 | 50.8 | 50.0 | 50.0 |
| 82.5° | 37.5 | 37.5 | 37.5 | 36.6 | 36.6 | 36.6 | 36.6 | 35.8 | 35.8 | 36.6 |
| 85° | 23.3 | 23.3 | 23.3 | 23.3 | 22.5 | 23.3 | 22.5 | 22.5 | 22.5 | 23.3 |
| 87.5° | 10.0 | 10.8 | 10.0 | 10.8 | 10.8 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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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 | 20.47 | 22.03 | 20.84 | 22.34 | 22.66 | 17.67 | 19.22 | 18.03 | 19.53 | 19.85 |
| | 3H | 22.30 | 23.70 | 22.68 | 24.02 | 24.39 | 18.74 | 20.14 | 19.12 | 20.46 | 20.83 |
| | 4H | 22.99 | 24.30 | 23.39 | 24.65 | 25.02 | 19.14 | 20.45 | 19.54 | 20.80 | 21.18 |
| | 6H | 23.49 | 24.70 | 23.90 | 25.06 | 25.45 | 19.46 | 20.67 | 19.87 | 21.04 | 21.43 |
| | 8H | 23.64 | 24.80 | 24.07 | 25.19 | 25.59 | 19.57 | 20.72 | 19.99 | 21.11 | 21.51 |
| | 12H | 23.74 | 24.85 | 24.17 | 25.23 | 25.66 | 19.65 | 20.75 | 20.08 | 21.13 | 21.56 |
| 4H | 2H | 20.71 | 22.02 | 21.11 | 22.37 | 22.75 | 18.39 | 19.70 | 18.78 | 20.04 | 20.42 |
| | 3H | 22.70 | 23.79 | 23.11 | 24.19 | 24.59 | 19.61 | 20.70 | 20.02 | 21.10 | 21.50 |
| | 4H | 23.49 | 24.47 | 23.92 | 24.89 | 25.33 | 20.09 | 21.08 | 20.53 | 21.49 | 21.93 |
| | 6H | 24.11 | 24.96 | 24.57 | 25.41 | 25.87 | 20.52 | 21.37 | 20.97 | 21.81 | 22.27 |
| | 8H | 24.31 | 25.11 | 24.78 | 25.56 | 26.02 | 20.66 | 21.46 | 21.12 | 21.90 | 22.37 |
| | 12H | 24.46 | 25.17 | 24.94 | 25.65 | 26.12 | 20.77 | 21.49 | 21.25 | 21.96 | 22.43 |
| 8H | 4H | 23.53 | 24.33 | 23.99 | 24.77 | 25.24 | 20.41 | 21.21 | 20.87 | 21.65 | 22.12 |
| | 6H | 24.20 | 24.86 | 24.69 | 25.35 | 25.82 | 20.93 | 21.59 | 21.42 | 22.08 | 22.55 |
| | 8H | 24.44 | 25.03 | 24.95 | 25.54 | 26.03 | 21.13 | 21.72 | 21.64 | 22.23 | 22.72 |
| | 12H | 24.63 | 25.15 | 25.14 | 25.65 | 26.21 | 21.31 | 21.83 | 21.81 | 22.32 | 22.88 |
| 12H | 4H | 23.52 | 24.23 | 24.00 | 24.71 | 25.18 | 20.45 | 21.16 | 20.93 | 21.64 | 22.11 |
| | 6H | 24.18 | 24.78 | 24.69 | 25.28 | 25.77 | 20.98 | 21.58 | 21.49 | 22.08 | 22.57 |
| | 8H | 24.46 | 24.98 | 24.97 | 25.47 | 26.04 | 21.24 | 21.76 | 21.75 | 22.25 | 22.82 |