

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-8-HO-3C-M-65W-35K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD230611NB-C-PL

[TESTLAB] STANDARD-TECH TESTING SERVICE

[TESTDATE] 15 August 2022

[ISSUEDATE] 2023-06-12 18:15:50

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] BELUCE

[LUMCAT] BS3C-8-HO-3C-M-65W-35K

[LUMINAIRE] BS3C-8-HO-3C-M-65W-35K

[LAMP] 9750 LUMENS

[_SEARCH_SOURCE] LED

[_SEARCH_APPLICATION] Indoor, Outdoor, Commercial, Garage, Parking, Residential, Damp Location, Wet Location

[_SEARCH_MOUNTING] Cable, Suspended

[_SEARCH_CERTIFICATION] CSA

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 9750 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 150 |
| Total Luminaire Watts | 65 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.22 |
| Spacing Criterion (90-270) | 1.30 |
| Spacing Criterion (Diagonal) | 1.38 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 2.37 m |
| Luminous Width (90-270) | 0.10 m |
| Luminous Height | 0.03 m |

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LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 10416 | 9373 | 9510 |
| 55 | 9714 | 8697 | 9020 |
| 65 | 8813 | 8093 | 8545 |
| 75 | 7375 | 7549 | 8079 |
| 85 | 5070 | 7375 | 7993 |

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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> |
|------------|------------|-------------|-------------|-------------|-------------|
| 0 | 2851.872 | 2851.872 | 2851.872 | 2851.872 | 2851.872 |
| 5 | 2834.609 | 2835.431 | 2843.035 | 2840.980 | 2840.980 |
| 10 | 2784.876 | 2792.685 | 2802.344 | 2808.098 | 2808.509 |
| 15 | 2711.508 | 2716.646 | 2740.074 | 2748.911 | 2757.337 |
| 20 | 2605.876 | 2622.933 | 2649.033 | 2668.351 | 2682.942 |
| 25 | 2470.033 | 2493.667 | 2535.180 | 2573.405 | 2586.969 |
| 30 | 2323.710 | 2348.165 | 2402.215 | 2454.414 | 2480.309 |
| 35 | 2151.697 | 2187.662 | 2252.192 | 2325.354 | 2355.769 |
| 40 | 1963.737 | 2006.422 | 2090.866 | 2184.990 | 2216.228 |
| 45 | 1768.481 | 1813.159 | 1918.812 | 2031.782 | 2072.781 |
| 50 | 1560.792 | 1611.882 | 1740.594 | 1874.114 | 1916.182 |
| 55 | 1344.985 | 1406.639 | 1556.189 | 1705.061 | 1752.308 |
| 60 | 1125.479 | 1200.121 | 1373.140 | 1530.397 | 1580.480 |
| 65 | 907.083 | 998.638 | 1195.394 | 1356.371 | 1407.152 |
| 70 | 686.920 | 802.992 | 1015.942 | 1176.487 | 1226.262 |
| 75 | 473.928 | 622.882 | 845.512 | 994.980 | 1050.797 |
| 80 | 276.638 | 460.406 | 680.960 | 829.996 | 881.024 |
| 85 | 119.928 | 321.850 | 537.534 | 681.432 | 731.556 |
| 90 | 45.114 | 220.575 | 424.606 | 555.454 | 604.510 |
| 95 | 38.167 | 151.996 | 334.407 | 455.021 | 497.110 |
| 100 | 34.248 | 98.972 | 258.800 | 368.851 | 408.083 |
| 105 | 30.120 | 59.851 | 192.942 | 293.017 | 328.899 |
| 110 | 25.274 | 33.595 | 135.450 | 224.582 | 256.107 |
| 115 | 22.220 | 24.577 | 86.522 | 163.284 | 191.610 |
| 120 | 18.998 | 21.344 | 49.360 | 109.235 | 133.940 |
| 125 | 15.230 | 18.471 | 23.169 | 64.853 | 83.193 |
| 130 | 12.541 | 15.789 | 15.693 | 31.205 | 43.624 |
| 135 | 10.223 | 13.279 | 13.350 | 14.296 | 15.226 |
| 140 | 8.610 | 11.131 | 11.540 | 13.010 | 10.343 |
| 145 | 7.533 | 9.691 | 11.179 | 11.924 | 8.896 |
| 150 | 6.992 | 9.146 | 10.280 | 10.839 | 8.532 |
| 155 | 6.991 | 8.966 | 9.917 | 9.937 | 7.262 |
| 160 | 8.068 | 9.144 | 9.917 | 9.756 | 7.446 |
| 165 | 8.785 | 10.401 | 9.917 | 9.756 | 7.988 |
| 170 | 9.859 | 11.113 | 9.917 | 9.756 | 8.352 |
| 175 | 10.755 | 11.477 | 9.917 | 9.575 | 8.715 |
| 180 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 1041.59 | N.A. | 10.70 |
| 0-30 | 2209.21 | N.A. | 22.70 |
| 0-40 | 3620.3 | N.A. | 37.10 |
| 0-60 | 6494.67 | N.A. | 66.60 |
| 0-80 | 8515.97 | N.A. | 87.30 |
| 0-90 | 9061.83 | N.A. | 92.90 |
| 10-90 | 8792.06 | N.A. | 90.20 |
| 20-40 | 2578.71 | N.A. | 26.40 |
| 20-50 | 4062.00 | N.A. | 41.70 |
| 40-70 | 4040.27 | N.A. | 41.40 |
| 60-80 | 2021.3 | N.A. | 20.70 |
| 70-80 | 855.41 | N.A. | 8.80 |
| 80-90 | 545.86 | N.A. | 5.60 |
| 90-110 | 527.93 | N.A. | 5.40 |
| 90-120 | 624.65 | N.A. | 6.40 |
| 90-130 | 661.86 | N.A. | 6.80 |
| 90-150 | 680.23 | N.A. | 7.00 |
| 90-180 | 688.15 | N.A. | 7.10 |
| 110-180 | 160.21 | N.A. | 1.60 |
| 0-180 | 9749.98 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 269.77 |
| 10-20 | 771.82 |
| 20-30 | 1167.62 |
| 30-40 | 1411.09 |
| 40-50 | 1483.29 |
| 50-60 | 1391.09 |
| 60-70 | 1165.89 |
| 70-80 | 855.41 |
| 80-90 | 545.86 |
| 90-100 | 333.70 |
| 100-110 | 194.23 |
| 110-120 | 96.72 |
| 120-130 | 37.21 |
| 130-140 | 11.87 |
| 140-150 | 6.50 |
| 150-160 | 4.24 |
| 160-170 | 2.71 |
| 170-180 | 0.96 |

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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 | 117 | 117 | 117 | 117 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 101 | 101 | 101 | 96 | 96 | 96 | 93 |
| 1 | 105 | 100 | 95 | 90 | 102 | 97 | 92 | 88 | 91 | 87 | 84 | 86 | 83 | 80 | 81 | 79 | 76 | 74 |
| 2 | 95 | 86 | 78 | 72 | 92 | 83 | 76 | 71 | 79 | 73 | 68 | 74 | 69 | 65 | 70 | 66 | 63 | 60 |
| 3 | 86 | 75 | 66 | 59 | 83 | 73 | 65 | 58 | 69 | 62 | 56 | 65 | 59 | 54 | 61 | 57 | 53 | 50 |
| 4 | 79 | 66 | 57 | 50 | 76 | 64 | 56 | 49 | 61 | 53 | 48 | 58 | 51 | 46 | 55 | 49 | 45 | 42 |
| 5 | 72 | 59 | 49 | 43 | 70 | 57 | 49 | 42 | 54 | 47 | 41 | 52 | 45 | 40 | 49 | 43 | 39 | 36 |
| 6 | 67 | 53 | 44 | 37 | 64 | 52 | 43 | 37 | 49 | 41 | 36 | 47 | 40 | 35 | 44 | 38 | 34 | 32 |
| 7 | 62 | 48 | 39 | 33 | 60 | 47 | 38 | 32 | 44 | 37 | 31 | 42 | 36 | 31 | 40 | 35 | 30 | 28 |
| 8 | 57 | 44 | 35 | 29 | 55 | 43 | 34 | 29 | 41 | 33 | 28 | 39 | 32 | 27 | 37 | 31 | 27 | 25 |
| 9 | 54 | 40 | 32 | 26 | 52 | 39 | 31 | 26 | 37 | 30 | 25 | 36 | 29 | 25 | 34 | 28 | 24 | 22 |
| 10 | 50 | 37 | 29 | 23 | 49 | 36 | 28 | 23 | 35 | 28 | 23 | 33 | 27 | 22 | 32 | 26 | 22 | 20 |

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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 | 17.8 | 19.4 | 18.3 | 19.8 | 20.3 | UGR Viewed Endwise | | | |
| | 3H | 19.4 | 20.8 | 19.8 | 21.2 | 21.8 | 20.2 | 21.7 | 20.7 | 22.2 |
| | 4H | 19.9 | 21.2 | 20.4 | 21.7 | 22.2 | 22.7 | 24.1 | 23.2 | 24.6 |
| | 6H | 20.2 | 21.5 | 20.7 | 22.0 | 22.5 | 23.9 | 25.2 | 24.4 | 25.7 |
| | 8H | 20.3 | 21.5 | 20.8 | 22.0 | 22.6 | 25.1 | 26.4 | 25.6 | 26.9 |
| | 12H | 20.3 | 21.5 | 20.9 | 22.0 | 22.6 | 25.8 | 27.0 | 26.3 | 27.5 |

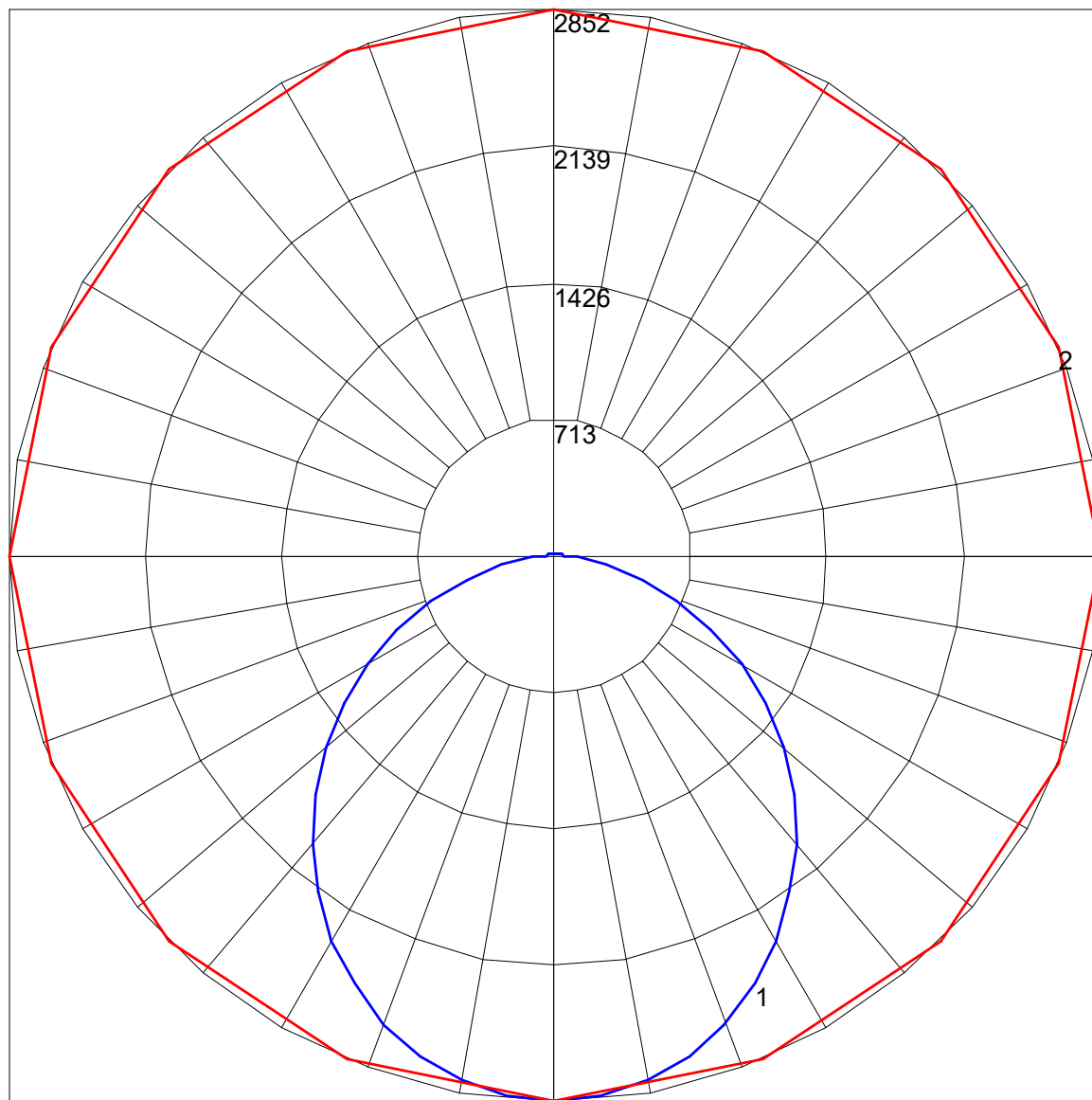
| | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 18.8 | 20.1 | 19.3 | 20.6 | 21.2 | 26.5 | 27.6 | 27.0 | 28.1 |
| | 3H | 20.6 | 21.7 | 21.1 | 22.2 | 22.8 | 20.2 | 21.7 | 20.7 | 22.2 |
| | 4H | 21.2 | 22.3 | 21.8 | 22.8 | 23.4 | 22.7 | 24.1 | 23.2 | 24.6 |
| | 6H | 21.7 | 22.6 | 22.3 | 23.2 | 23.8 | 23.9 | 25.2 | 24.4 | 25.7 |
| | 8H | 21.8 | 22.7 | 22.4 | 23.3 | 23.9 | 25.1 | 26.4 | 25.6 | 26.9 |
| | 12H | 21.9 | 22.7 | 22.5 | 23.3 | 23.9 | 25.8 | 27.0 | 26.3 | 27.5 |

| | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 22.0 | 22.9 | 22.6 | 23.4 | 24.0 | 26.2 | 27.1 | 26.7 | 27.6 |
| | 6H | 22.7 | 23.4 | 23.3 | 24.0 | 24.6 | 26.9 | 27.8 | 27.5 | 28.3 |
| | 8H | 22.9 | 23.6 | 23.5 | 24.2 | 24.8 | 26.9 | 27.8 | 27.5 | 28.3 |
| | 12H | 23.1 | 23.7 | 23.7 | 24.3 | 25.0 | 27.7 | 28.5 | 28.3 | 29.1 |

| | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 22.2 | 23.0 | 22.8 | 23.6 | 24.2 | 27.7 | 28.5 | 28.3 | 29.1 |
| | 6H | 23.0 | 23.7 | 23.6 | 24.2 | 24.9 | 28.5 | 29.1 | 29.1 | 29.7 |
| | 8H | 23.3 | 23.9 | 23.9 | 24.5 | 25.2 | 28.5 | 29.1 | 29.1 | 29.7 |

Maximum UGR = 30.4

POLAR GRAPH



Maximum Candela = 2851.872 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)