

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-8-PS3-3C-M-75W-50K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD230611NB-D-PL

[TESTLAB] STANDARD-TECH TESTING SERVICE

[TESTDATE] 15 August 2022

[ISSUEDATE] 2023-06-12 09:39:34

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] BELUCE

[LUMCAT] BS3C-8-PS3-3C-M-75W-50K

[LUMINAIRE] BS3C-8-PS3-3C-M-75W-50K

[LAMP] 11627 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 | 11627 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 155 |
| Total Luminaire Watts | 75 |
| 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 | 12585 | 11247 | 11343 |
| 55 | 11683 | 10391 | 10709 |
| 65 | 10540 | 9575 | 10048 |
| 75 | 8719 | 8863 | 9391 |
| 85 | 5758 | 8555 | 9182 |

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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 | 3467.485 | 3467.485 | 3467.485 | 3467.485 | 3467.485 |
| 5 | 3449.756 | 3447.290 | 3449.140 | 3449.140 | 3447.444 |
| 10 | 3397.187 | 3391.328 | 3405.357 | 3404.278 | 3402.582 |
| 15 | 3306.073 | 3303.916 | 3320.103 | 3332.437 | 3334.287 |
| 20 | 3177.501 | 3182.434 | 3206.792 | 3231.458 | 3238.859 |
| 25 | 3012.543 | 3027.652 | 3067.272 | 3106.585 | 3118.763 |
| 30 | 2825.541 | 2845.891 | 2904.474 | 2959.202 | 2982.327 |
| 35 | 2612.484 | 2639.618 | 2717.164 | 2798.562 | 2829.549 |
| 40 | 2380.620 | 2419.162 | 2515.823 | 2622.659 | 2660.277 |
| 45 | 2136.576 | 2178.973 | 2302.459 | 2431.187 | 2472.195 |
| 50 | 1881.587 | 1932.616 | 2086.472 | 2235.551 | 2281.492 |
| 55 | 1617.501 | 1680.710 | 1859.233 | 2027.582 | 2080.306 |
| 60 | 1352.477 | 1431.333 | 1634.922 | 1812.521 | 1868.946 |
| 65 | 1084.799 | 1184.020 | 1414.374 | 1598.539 | 1654.656 |
| 70 | 818.695 | 949.211 | 1197.941 | 1381.028 | 1435.957 |
| 75 | 560.360 | 732.131 | 992.625 | 1161.943 | 1221.497 |
| 80 | 324.825 | 537.329 | 793.504 | 964.813 | 1018.847 |
| 85 | 136.211 | 371.831 | 623.552 | 784.686 | 840.386 |
| 90 | 46.905 | 253.200 | 489.490 | 637.612 | 690.830 |
| 95 | 40.380 | 174.331 | 384.318 | 520.354 | 565.030 |
| 100 | 36.134 | 113.207 | 297.447 | 422.813 | 464.362 |
| 105 | 32.799 | 67.191 | 221.720 | 335.355 | 374.267 |
| 110 | 28.658 | 38.098 | 156.601 | 257.410 | 292.883 |
| 115 | 25.591 | 27.828 | 100.789 | 188.128 | 220.472 |
| 120 | 22.392 | 24.896 | 57.420 | 127.195 | 155.168 |
| 125 | 18.681 | 22.376 | 27.947 | 76.847 | 97.680 |
| 130 | 15.742 | 19.720 | 19.397 | 38.280 | 52.642 |
| 135 | 13.599 | 17.585 | 17.269 | 18.631 | 20.703 |
| 140 | 12.135 | 15.719 | 15.923 | 17.139 | 14.666 |
| 145 | 11.196 | 14.251 | 15.385 | 15.804 | 13.441 |
| 150 | 10.528 | 13.583 | 14.317 | 14.727 | 12.782 |
| 155 | 10.529 | 13.315 | 14.047 | 14.057 | 11.166 |
| 160 | 11.994 | 13.980 | 14.047 | 13.923 | 11.301 |
| 165 | 13.598 | 14.647 | 14.048 | 13.790 | 11.840 |
| 170 | 14.917 | 16.101 | 14.448 | 13.656 | 11.840 |
| 175 | 15.462 | 16.778 | 14.448 | 12.852 | 11.840 |
| 180 | 14.000 | 14.000 | 14.000 | 14.000 | 14.000 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|----------|-------|--------|
| 0-20 | 1264.13 | N.A. | 10.90 |
| 0-30 | 2677.69 | N.A. | 23.00 |
| 0-40 | 4379.66 | N.A. | 37.70 |
| 0-60 | 7819.41 | N.A. | 67.20 |
| 0-80 | 10201.48 | N.A. | 87.70 |
| 0-90 | 10832.16 | N.A. | 93.20 |
| 10-90 | 10504.48 | N.A. | 90.30 |
| 20-40 | 3115.53 | N.A. | 26.80 |
| 20-50 | 4895.41 | N.A. | 42.10 |
| 40-70 | 4819.54 | N.A. | 41.40 |
| 60-80 | 2382.07 | N.A. | 20.50 |
| 70-80 | 1002.27 | N.A. | 8.60 |
| 80-90 | 630.68 | N.A. | 5.40 |
| 90-110 | 603.80 | N.A. | 5.20 |
| 90-120 | 715.29 | N.A. | 6.20 |
| 90-130 | 759.38 | N.A. | 6.50 |
| 90-150 | 783.86 | N.A. | 6.70 |
| 90-180 | 795.30 | N.A. | 6.80 |
| 110-180 | 191.49 | N.A. | 1.60 |
| 0-180 | 11627.46 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 327.68 |
| 10-20 | 936.45 |
| 20-30 | 1413.56 |
| 30-40 | 1701.97 |
| 40-50 | 1779.88 |
| 50-60 | 1659.86 |
| 60-70 | 1379.8 |
| 70-80 | 1002.27 |
| 80-90 | 630.68 |
| 90-100 | 381.79 |
| 100-110 | 222.01 |
| 110-120 | 111.49 |
| 120-130 | 44.09 |
| 130-140 | 15.35 |
| 140-150 | 9.13 |
| 150-160 | 6.15 |
| 160-170 | 3.91 |
| 170-180 | 1.37 |

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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 | 88 | 84 | 86 | 83 | 80 | 81 | 79 | 77 | 74 |
| 2 | 95 | 86 | 79 | 72 | 92 | 84 | 77 | 71 | 79 | 73 | 68 | 75 | 70 | 66 | 71 | 67 | 63 | 61 |
| 3 | 86 | 75 | 67 | 60 | 83 | 73 | 65 | 59 | 69 | 62 | 57 | 65 | 60 | 55 | 62 | 57 | 53 | 50 |
| 4 | 79 | 66 | 57 | 50 | 76 | 65 | 56 | 49 | 61 | 54 | 48 | 58 | 52 | 47 | 55 | 50 | 45 | 43 |
| 5 | 73 | 59 | 50 | 43 | 70 | 58 | 49 | 42 | 55 | 47 | 41 | 52 | 45 | 40 | 49 | 44 | 39 | 37 |
| 6 | 67 | 53 | 44 | 37 | 64 | 52 | 43 | 37 | 49 | 42 | 36 | 47 | 40 | 35 | 45 | 39 | 34 | 32 |
| 7 | 62 | 48 | 39 | 33 | 60 | 47 | 38 | 32 | 45 | 37 | 32 | 43 | 36 | 31 | 41 | 35 | 30 | 28 |
| 8 | 58 | 44 | 35 | 29 | 56 | 43 | 35 | 29 | 41 | 34 | 28 | 39 | 33 | 28 | 37 | 32 | 27 | 25 |
| 9 | 54 | 40 | 32 | 26 | 52 | 39 | 31 | 26 | 38 | 30 | 25 | 36 | 30 | 25 | 35 | 29 | 24 | 23 |
| 10 | 50 | 37 | 29 | 24 | 49 | 36 | 29 | 23 | 35 | 28 | 23 | 33 | 27 | 23 | 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 | 18.4 | 20.0 | 18.9 | 20.4 | 20.9 | 20.8 | 22.3 | 21.2 | 22.8 | 23.2 |
| | 3H | 20.0 | 21.4 | 20.4 | 21.8 | 22.4 | 23.2 | 24.6 | 23.7 | 25.1 | 25.6 |
| | 4H | 20.5 | 21.8 | 21.0 | 22.3 | 22.8 | 24.4 | 25.7 | 24.9 | 26.2 | 26.7 |
| | 6H | 20.8 | 22.0 | 21.3 | 22.5 | 23.1 | 25.6 | 26.8 | 26.1 | 27.3 | 27.9 |
| | 8H | 20.9 | 22.1 | 21.4 | 22.6 | 23.1 | 26.2 | 27.4 | 26.8 | 27.9 | 28.5 |
| | 12H | 20.9 | 22.0 | 21.4 | 22.6 | 23.2 | 26.9 | 28.1 | 27.4 | 28.6 | 29.2 |

UGR Viewed Endwise

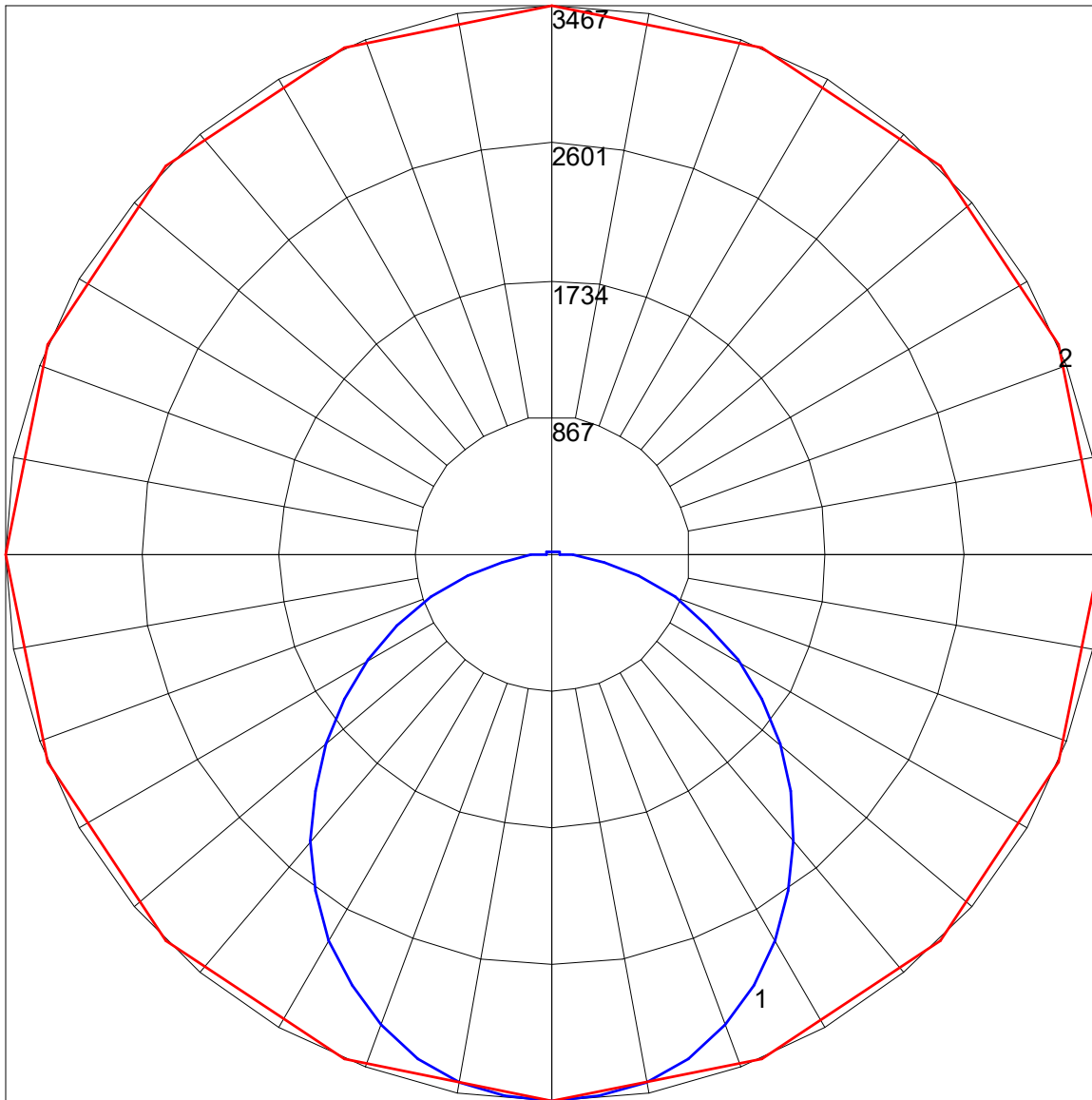
| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 19.4 | 20.7 | 19.9 | 21.2 | 21.7 | 21.2 | 22.5 | 21.7 | 23.0 | 23.6 |
| | 3H | 21.2 | 22.3 | 21.7 | 22.8 | 23.4 | 23.9 | 25.0 | 24.4 | 25.6 | 26.1 |
| | 4H | 21.8 | 22.8 | 22.3 | 23.4 | 24.0 | 25.2 | 26.3 | 25.8 | 26.8 | 27.4 |
| | 6H | 22.3 | 23.2 | 22.8 | 23.7 | 24.4 | 26.6 | 27.5 | 27.2 | 28.1 | 28.7 |
| | 8H | 22.4 | 23.3 | 23.0 | 23.8 | 24.4 | 27.4 | 28.2 | 27.9 | 28.8 | 29.4 |
| | 12H | 22.5 | 23.3 | 23.1 | 23.8 | 24.5 | 28.2 | 29.0 | 28.8 | 29.6 | 30.2 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 22.6 | 23.4 | 23.1 | 24.0 | 24.6 | 25.5 | 26.3 | 26.0 | 26.9 | 27.5 |
| | 6H | 23.2 | 23.9 | 23.8 | 24.5 | 25.2 | 27.0 | 27.8 | 27.6 | 28.4 | 29.0 |
| | 8H | 23.4 | 24.1 | 24.1 | 24.7 | 25.4 | 27.9 | 28.6 | 28.5 | 29.2 | 29.8 |
| | 12H | 23.6 | 24.2 | 24.2 | 24.8 | 25.5 | 28.9 | 29.5 | 29.5 | 30.1 | 30.8 |

| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 22.8 | 23.5 | 23.3 | 24.1 | 24.8 | 25.5 | 26.3 | 26.1 | 26.9 | 27.5 |
| | 6H | 23.5 | 24.2 | 24.1 | 24.8 | 25.5 | 27.1 | 27.8 | 27.7 | 28.3 | 29.0 |
| | 8H | 23.9 | 24.4 | 24.5 | 25.1 | 25.8 | 28.0 | 28.6 | 28.6 | 29.2 | 29.9 |

Maximum UGR = 30.8

POLAR GRAPH



Maximum Candela = 3467.485 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.)