



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL726LEDHTHOWT50120-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.1.0 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Tue Dec 18 12:08:29 2018

[TEST] 1

[MANUFACTURER] BEGHELLI

[LUMEN CATEGORY]

[LUMINAIRE] BL726LEDHTHOWT50120-277V

[LAMP] LED 0.3W White 2323 package (65mA)

[LAMP CATEGORY] SPMWHT221MD5WAT0S0

[OTHER]

IESNA:LM-63-2002

[TEST] 6,552

[TESTLAB] CSA Group

[ISSUE DATE] 7/24/2013 1:09:24 PM

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 10945 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 122 |
| Total Luminaire Watts | 90 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.56 |
| Spacing Criterion (90-270) | 1.56 |
| Spacing Criterion (Diagonal) | 1.44 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 0.99 ft |
| Luminous Width (90-270) | 1.01 ft |
| Luminous Height | 0.36 ft |

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LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 35200 | 31793 | 35412 |
| 55 | 17176 | 15103 | 17308 |
| 65 | 6097 | 5186 | 6158 |
| 75 | 2102 | 1709 | 2130 |
| 85 | 515 | 390 | 525 |

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CANDELA TABULATION

| | <u>0</u> |
|-------|----------|
| 0.0 | 4243.39 |
| 2.5 | 4044.24 |
| 5.0 | 4016.57 |
| 7.5 | 4069.29 |
| 10.0 | 4148.52 |
| 12.5 | 4233.70 |
| 15.0 | 4346.23 |
| 17.5 | 4467.71 |
| 20.0 | 4583.29 |
| 22.5 | 4667.61 |
| 25.0 | 4738.59 |
| 27.5 | 4751.87 |
| 30.0 | 4736.00 |
| 32.5 | 4675.84 |
| 35.0 | 4551.78 |
| 37.5 | 4335.33 |
| 40.0 | 4016.05 |
| 42.5 | 3624.67 |
| 45.0 | 3173.68 |
| 47.5 | 2706.87 |
| 50.0 | 2244.75 |
| 52.5 | 1798.09 |
| 55.0 | 1400.79 |
| 57.5 | 1061.22 |
| 60.0 | 793.64 |
| 62.5 | 584.31 |
| 65.0 | 429.69 |
| 67.5 | 314.05 |
| 70.0 | 228.49 |
| 72.5 | 166.63 |
| 75.0 | 120.36 |
| 77.5 | 86.90 |
| 80.0 | 61.59 |
| 82.5 | 40.30 |
| 85.0 | 21.78 |
| 87.5 | 5.16 |
| 90.0 | 0.00 |
| 92.5 | 0.00 |
| 95.0 | 0.00 |
| 97.5 | 0.00 |
| 100.0 | 0.00 |
| 102.5 | 0.00 |
| 105.0 | 0.00 |
| 107.5 | 0.00 |
| 110.0 | 0.00 |
| 112.5 | 0.00 |
| 115.0 | 0.00 |
| 117.5 | 0.00 |
| 120.0 | 0.00 |
| 122.5 | 0.00 |
| 125.0 | 0.00 |
| 127.5 | 0.00 |
| 130.0 | 0.00 |
| 132.5 | 0.00 |

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CANDELA TABULATION - (Cont.)

| | |
|--------------|------|
| 135.0 | 0.01 |
| 137.5 | 0.03 |
| 140.0 | 0.03 |
| 142.5 | 0.02 |
| 145.0 | 0.01 |
| 147.5 | 0.00 |
| 150.0 | 0.00 |
| 152.5 | 0.00 |
| 155.0 | 0.00 |
| 157.5 | 0.00 |
| 160.0 | 0.00 |
| 162.5 | 0.00 |
| 165.0 | 0.00 |
| 167.5 | 0.00 |
| 170.0 | 0.00 |
| 172.5 | 0.01 |
| 175.0 | 0.00 |
| 177.5 | 0.00 |
| 180.0 | 0.00 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|----------|-------|--------|
| 0-20 | 1629.56 | N.A. | 14.90 |
| 0-30 | 3809.23 | N.A. | 34.80 |
| 0-40 | 6617.95 | N.A. | 60.50 |
| 0-60 | 10329.07 | N.A. | 94.40 |
| 0-80 | 10918.53 | N.A. | 99.80 |
| 0-90 | 10945.19 | N.A. | 100.00 |
| 10-90 | 10556.14 | N.A. | 96.40 |
| 20-40 | 4988.39 | N.A. | 45.60 |
| 20-50 | 7415.81 | N.A. | 67.80 |
| 40-70 | 4163.98 | N.A. | 38.00 |
| 60-80 | 589.46 | N.A. | 5.40 |
| 70-80 | 136.61 | N.A. | 1.20 |
| 80-90 | 26.65 | N.A. | 0.20 |
| 90-110 | 0.00 | N.A. | 0.00 |
| 90-120 | 0.00 | N.A. | 0.00 |
| 90-130 | 0.00 | N.A. | 0.00 |
| 90-150 | 0.02 | N.A. | 0.00 |
| 90-180 | 0.02 | N.A. | 0.00 |
| 110-180 | 0.02 | N.A. | 0.00 |
| 0-180 | 10945.21 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 389.05 |
| 10-20 | 1240.51 |
| 20-30 | 2179.68 |
| 30-40 | 2808.72 |
| 40-50 | 2427.42 |
| 50-60 | 1283.7 |
| 60-70 | 452.86 |
| 70-80 | 136.61 |
| 80-90 | 26.65 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.01 |
| 140-150 | 0.01 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

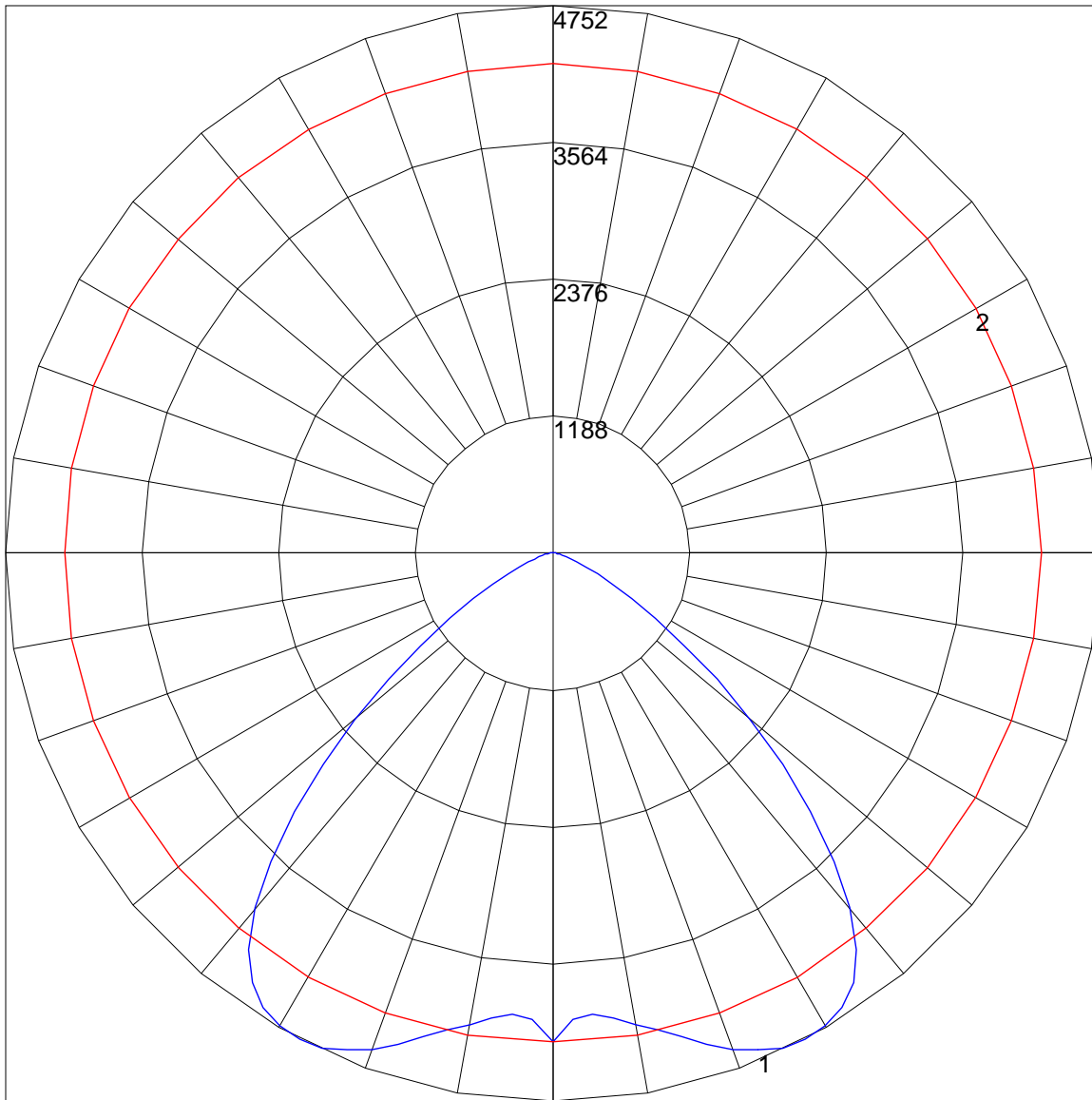
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 97 | 97 | 95 | 94 | 94 | 92 | 91 | 89 |
| 2 | 103 | 97 | 91 | 86 | 101 | 95 | 90 | 85 | 91 | 87 | 83 | 88 | 85 | 82 | 85 | 82 | 80 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 75 | 71 | 77 | 73 | 70 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 |
| 5 | 82 | 70 | 63 | 57 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 53 |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 55 | 50 | 60 | 54 | 49 | 58 | 53 | 49 | 47 |
| 7 | 70 | 58 | 50 | 45 | 69 | 57 | 50 | 45 | 56 | 49 | 44 | 55 | 49 | 44 | 53 | 48 | 44 | 42 |
| 8 | 66 | 53 | 45 | 40 | 64 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 43 | 39 | 38 |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 |
| 10 | 58 | 45 | 38 | 33 | 56 | 45 | 38 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 |

POLAR GRAPH



Maximum Candela = 4751.87 Located At Horizontal Angle = 0, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)