

Day-Brite

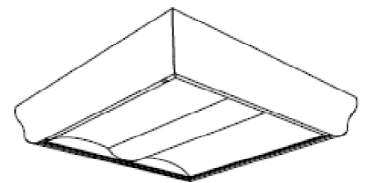
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 29986D2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 29986
[TESTDATE] 11/10/2011
[LUMCAT] 2SST38L840-2-PMW
[LUMINAIRE] PHILIPS DAY-BRITE 2X2 SURFACE SOFTRACE LED
[MORE] W/ PERFORATED DOOR
[LAMP] 53WLED
[BALLAST] LED DRIVER
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUE DATE] 11/10/2011
[_TEST_LEVEL]
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0e (2011-02)(90)
[_LM79] Absolute Photometry tested in accordance with IES procedure LM79-08
[_TEST_DISTANCE] 30 ft.
[_SHIELDING_ANGLE] Normal 90, Parallel 90
[OTHER] TOTAL LUMEN OUTPUT = 3463 LUMENS

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 3463 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 64 |
| Total Luminaire Watts | 54 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.20 |
| Spacing Criterion (90-270) | 1.36 |
| Spacing Criterion (Diagonal) | 1.38 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 1.88 ft |
| Luminous Width (90-270) | 1.86 ft |
| Luminous Height | 0.00 ft |



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LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 3223 | 3628 | 4080 |
| 55 | 2837 | 3341 | 3840 |
| 65 | 2365 | 2911 | 3392 |
| 75 | 1878 | 2389 | 2686 |
| 85 | 1200 | 1482 | 1518 |

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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> |
|-------------|------------|-------------|-------------|-------------|-------------|
| 0.0 | 1264 | 1264 | 1264 | 1264 | 1264 |
| 2.5 | 1267 | 1261 | 1260 | 1259 | 1259 |
| 5.0 | 1260 | 1254 | 1254 | 1256 | 1258 |
| 7.5 | 1249 | 1244 | 1245 | 1253 | 1254 |
| 10.0 | 1235 | 1232 | 1235 | 1242 | 1250 |
| 12.5 | 1219 | 1217 | 1224 | 1232 | 1243 |
| 15.0 | 1198 | 1198 | 1210 | 1222 | 1234 |
| 17.5 | 1176 | 1176 | 1193 | 1208 | 1224 |
| 20.0 | 1150 | 1152 | 1174 | 1196 | 1212 |
| 22.5 | 1123 | 1127 | 1152 | 1180 | 1198 |
| 25.0 | 1089 | 1097 | 1127 | 1162 | 1183 |
| 27.5 | 1056 | 1065 | 1103 | 1139 | 1165 |
| 30.0 | 1017 | 1030 | 1072 | 1114 | 1142 |
| 32.5 | 978 | 992 | 1039 | 1087 | 1119 |
| 35.0 | 941 | 952 | 1004 | 1059 | 1091 |
| 37.5 | 893 | 910 | 967 | 1026 | 1059 |
| 40.0 | 847 | 865 | 927 | 987 | 1022 |
| 42.5 | 795 | 816 | 880 | 943 | 984 |
| 45.0 | 741 | 768 | 834 | 897 | 938 |
| 47.5 | 692 | 717 | 784 | 851 | 890 |
| 50.0 | 642 | 667 | 734 | 796 | 834 |
| 52.5 | 587 | 610 | 677 | 740 | 776 |
| 55.0 | 529 | 557 | 623 | 682 | 716 |
| 57.5 | 477 | 502 | 567 | 623 | 657 |
| 60.0 | 421 | 453 | 511 | 561 | 589 |
| 62.5 | 373 | 400 | 455 | 502 | 528 |
| 65.0 | 325 | 353 | 400 | 447 | 466 |
| 67.5 | 279 | 301 | 347 | 383 | 404 |
| 70.0 | 237 | 254 | 301 | 328 | 343 |
| 72.5 | 195 | 212 | 250 | 269 | 281 |
| 75.0 | 158 | 172 | 201 | 214 | 226 |
| 77.5 | 122 | 134 | 159 | 164 | 165 |
| 80.0 | 93 | 101 | 108 | 116 | 114 |
| 82.5 | 62 | 65 | 72 | 74 | 73 |
| 85.0 | 34 | 37 | 42 | 41 | 43 |
| 87.5 | 16 | 19 | 19 | 18 | 18 |
| 90.0 | 9 | 10 | 7 | 10 | 10 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 461.30 | N.A. | 13.30 |
| 0-30 | 982.34 | N.A. | 28.40 |
| 0-40 | 1611.95 | N.A. | 46.60 |
| 0-60 | 2810.43 | N.A. | 81.20 |
| 0-80 | 3412.2 | N.A. | 98.50 |
| 0-90 | 3462.7 | N.A. | 100.00 |
| 10-90 | 3343.38 | N.A. | 96.60 |
| 20-40 | 1150.64 | N.A. | 33.20 |
| 20-50 | 1794.01 | N.A. | 51.80 |
| 40-70 | 1592.75 | N.A. | 46.00 |
| 60-80 | 601.77 | N.A. | 17.40 |
| 70-80 | 207.51 | N.A. | 6.00 |
| 80-90 | 50.50 | N.A. | 1.50 |
| 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 | 0.00 | N.A. | 0.00 |
| 90-180 | 0.00 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 3462.7 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 119.32 |
| 10-20 | 341.99 |
| 20-30 | 521.03 |
| 30-40 | 629.61 |
| 40-50 | 643.37 |
| 50-60 | 555.12 |
| 60-70 | 394.26 |
| 70-80 | 207.51 |
| 80-90 | 50.50 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

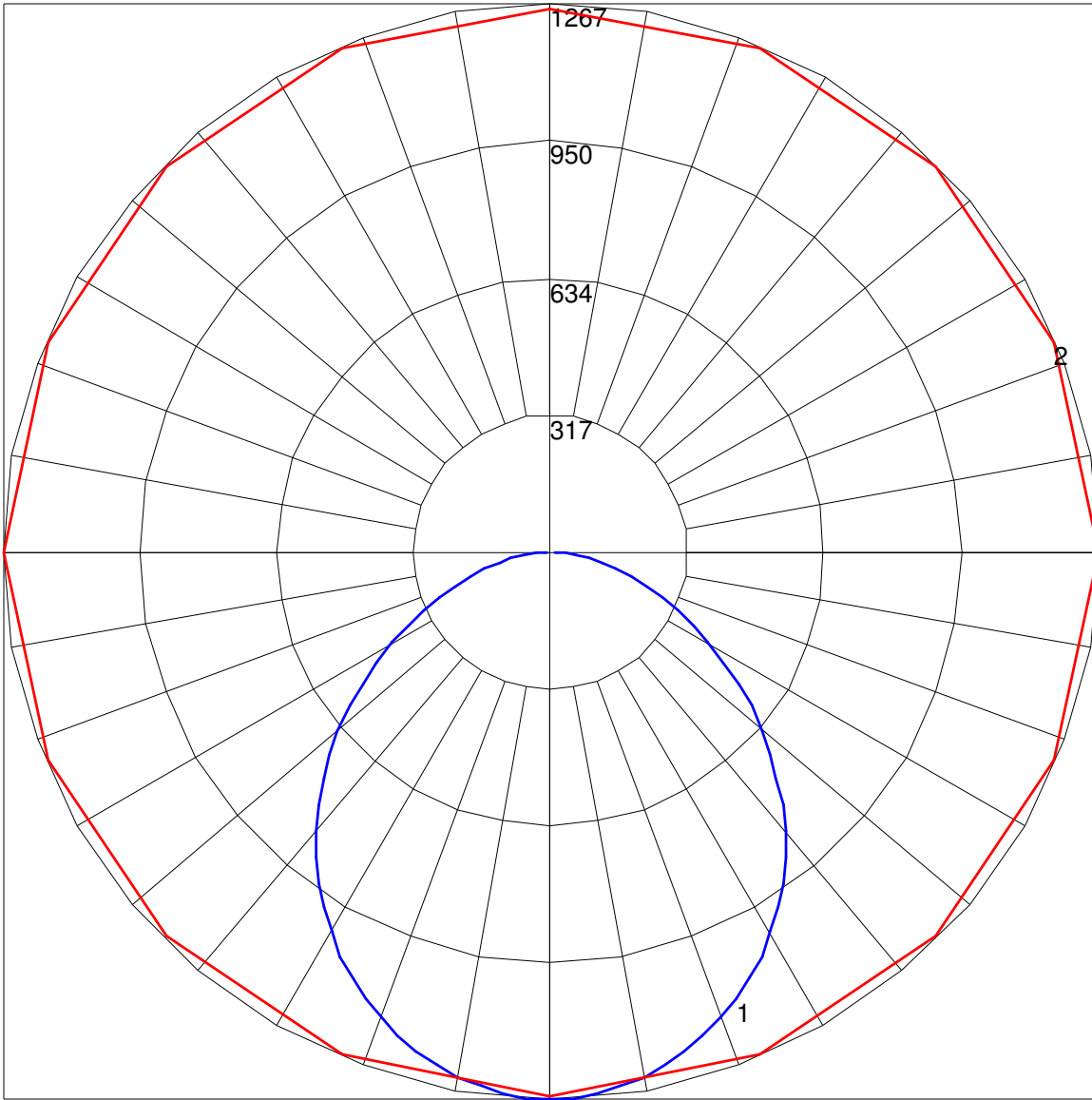
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 109 | 105 | 100 | 97 | 106 | 102 | 98 | 95 | 98 | 95 | 92 | 94 | 92 | 89 | 91 | 88 | 87 | 85 |
| 2 | 99 | 91 | 85 | 79 | 97 | 90 | 83 | 78 | 86 | 81 | 76 | 83 | 78 | 75 | 80 | 76 | 73 | 71 |
| 3 | 91 | 80 | 72 | 66 | 88 | 79 | 71 | 65 | 76 | 70 | 64 | 73 | 68 | 63 | 71 | 66 | 62 | 60 |
| 4 | 83 | 71 | 63 | 56 | 81 | 70 | 62 | 56 | 68 | 61 | 55 | 65 | 59 | 54 | 63 | 58 | 53 | 51 |
| 5 | 77 | 64 | 55 | 48 | 74 | 63 | 54 | 48 | 61 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 44 |
| 6 | 71 | 58 | 49 | 42 | 69 | 57 | 48 | 42 | 55 | 47 | 42 | 53 | 46 | 41 | 51 | 46 | 41 | 39 |
| 7 | 66 | 52 | 43 | 37 | 64 | 51 | 43 | 37 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 36 | 34 |
| 8 | 61 | 48 | 39 | 33 | 59 | 47 | 39 | 33 | 46 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 31 |
| 9 | 57 | 44 | 36 | 30 | 56 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 29 | 28 |
| 10 | 53 | 40 | 32 | 27 | 52 | 40 | 32 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 37 | 31 | 27 | 25 |

POLAR GRAPH



Maximum Candela = 1267 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)