

IES INDOOR REPORT

PHOTOMETRIC FILENAME : HP-2-ID-4FT-V-V-835-F-MLB-ITL85132-KPL2008-6.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]ITL85132-KPL2008-6 Family Correlation File

[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.

[TESTDATE]08/11/15

[ISSUEDATE]02/03/23

[MANUFAC]FINELITE, INC.

[LUMCAT]HP-2-ID-4ft-V-V-835-F-MLB

[OTHER]INPUT ELECTRICAL: 120.0 VOLTS, 72.4 WATTS

[OTHER]INPUT ELECTRICAL: 277.0 VOLTS, 72.4 WATTS

[ABSOLUTE]LUMENS]6274

[OTHER]see www.finelite.com for source files ITL85132 and KPL2008-6. For further details on Finelite family correlation files, go

[more]http://www.finelite.com/download_files/series_downloads/photometry_pdf/FL_Family_Correlation_WhitePaper.pdf

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 6274 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 87 |
| Total Luminaire Watts | 72.4 |
| Ballast Factor | 1.00 |
| CIE Type | Semi-Indirect |
| Spacing Criterion (0-180) | N.A. |
| Spacing Criterion (90-270) | N.A. |
| Spacing Criterion (Diagonal) | N.A. |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 4.00 ft |
| Luminous Width (90-270) | 0.18 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 376 | 224 | 233 |
| 55 | 167 | 88 | 99 |
| 65 | 81 | 43 | 49 |
| 75 | 43 | 25 | 24 |
| 85 | 16 | 7 | 7 |

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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 | 7822.88 | 7822.88 | 7822.88 | 7822.88 | 7822.88 |
| 2.5 | 7625.42 | 7694.42 | 7661.78 | 7652.93 | 7685.09 |
| 5.0 | 7187.17 | 7287.37 | 7239.39 | 7236.59 | 7278.93 |
| 7.5 | 6524.59 | 6648.18 | 6650.84 | 6659.79 | 6689.26 |
| 10.0 | 5672.16 | 5779.16 | 5962.71 | 6009.56 | 6016.04 |
| 12.5 | 4551.38 | 4724.30 | 5156.25 | 5307.26 | 5317.28 |
| 15.0 | 3657.74 | 3842.46 | 4304.38 | 4615.21 | 4551.01 |
| 17.5 | 2751.23 | 3008.95 | 3655.13 | 3738.49 | 3532.79 |
| 20.0 | 1860.57 | 2139.70 | 2712.91 | 2809.09 | 2749.92 |
| 22.5 | 1159.20 | 1493.38 | 1992.42 | 2113.26 | 2084.54 |
| 25.0 | 682.54 | 823.28 | 1366.76 | 1488.35 | 1319.58 |
| 27.5 | 405.74 | 530.47 | 813.80 | 827.53 | 736.04 |
| 30.0 | 229.94 | 307.44 | 483.85 | 460.65 | 405.12 |
| 32.5 | 113.35 | 175.75 | 248.44 | 239.64 | 225.37 |
| 35.0 | 53.52 | 76.33 | 133.64 | 134.77 | 112.71 |
| 37.5 | 35.75 | 37.00 | 66.70 | 65.35 | 41.76 |
| 40.0 | 28.51 | 25.76 | 32.55 | 26.52 | 17.94 |
| 42.5 | 22.38 | 20.24 | 15.75 | 12.81 | 14.08 |
| 45.0 | 17.53 | 15.63 | 10.42 | 9.81 | 10.87 |
| 47.5 | 13.84 | 11.84 | 7.72 | 7.42 | 8.34 |
| 50.0 | 10.41 | 9.02 | 5.78 | 5.60 | 6.42 |
| 52.5 | 8.13 | 6.85 | 4.37 | 4.32 | 4.89 |
| 55.0 | 6.30 | 5.26 | 3.32 | 3.27 | 3.73 |
| 57.5 | 4.85 | 4.03 | 2.54 | 2.49 | 2.85 |
| 60.0 | 3.73 | 3.13 | 1.98 | 1.94 | 2.22 |
| 62.5 | 2.91 | 2.39 | 1.53 | 1.50 | 1.73 |
| 65.0 | 2.26 | 1.86 | 1.20 | 1.17 | 1.36 |
| 67.5 | 1.75 | 1.43 | 0.94 | 0.91 | 1.03 |
| 70.0 | 1.34 | 1.10 | 0.74 | 0.71 | 0.80 |
| 72.5 | 1.01 | 0.83 | 0.56 | 0.54 | 0.58 |
| 75.0 | 0.73 | 0.61 | 0.42 | 0.41 | 0.41 |
| 77.5 | 0.52 | 0.44 | 0.32 | 0.31 | 0.32 |
| 80.0 | 0.34 | 0.31 | 0.22 | 0.21 | 0.19 |
| 82.5 | 0.22 | 0.18 | 0.13 | 0.11 | 0.11 |
| 85.0 | 0.09 | 0.08 | 0.04 | 0.05 | 0.04 |
| 87.5 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92.5 | 30.00 | 30.00 | 30.00 | 33.00 | 33.00 |
| 95.0 | 71.00 | 68.00 | 68.00 | 69.00 | 70.00 |
| 97.5 | 112.00 | 109.00 | 107.00 | 108.00 | 108.00 |
| 100.0 | 154.00 | 149.00 | 149.00 | 149.00 | 148.00 |
| 102.5 | 198.00 | 194.00 | 192.00 | 191.00 | 191.00 |
| 105.0 | 244.00 | 241.00 | 236.00 | 235.00 | 234.00 |
| 107.5 | 291.00 | 288.00 | 282.00 | 281.00 | 280.00 |
| 110.0 | 340.00 | 337.00 | 332.00 | 330.00 | 327.00 |
| 112.5 | 391.00 | 386.00 | 383.00 | 378.00 | 375.00 |
| 115.0 | 442.00 | 439.00 | 437.00 | 427.00 | 425.00 |
| 117.5 | 496.00 | 491.00 | 491.00 | 479.00 | 477.00 |
| 120.0 | 551.00 | 543.00 | 545.00 | 533.00 | 529.00 |
| 122.5 | 603.00 | 595.00 | 599.00 | 589.00 | 582.00 |
| 125.0 | 661.00 | 649.00 | 653.00 | 643.00 | 638.00 |
| 127.5 | 718.00 | 705.00 | 707.00 | 699.00 | 697.00 |
| 130.0 | 774.00 | 761.00 | 763.00 | 753.00 | 754.00 |
| 132.5 | 830.00 | 816.00 | 819.00 | 809.00 | 809.00 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HP-2-ID-4FT-V-V-835-F-MLB-ITL85132-KPL2008-6.IES****CANDELA TABULATION - (Cont.)**

| | | | | | |
|--------------|---------|---------|---------|---------|---------|
| 135.0 | 884.00 | 871.00 | 875.00 | 866.00 | 866.00 |
| 137.5 | 939.00 | 926.00 | 930.00 | 922.00 | 921.00 |
| 140.0 | 994.00 | 981.00 | 984.00 | 979.00 | 976.00 |
| 142.5 | 1046.00 | 1032.00 | 1036.00 | 1031.00 | 1027.00 |
| 145.0 | 1099.00 | 1084.00 | 1088.00 | 1084.00 | 1077.00 |
| 147.5 | 1148.00 | 1133.00 | 1138.00 | 1132.00 | 1125.00 |
| 150.0 | 1195.00 | 1180.00 | 1186.00 | 1179.00 | 1173.00 |
| 152.5 | 1240.00 | 1225.00 | 1231.00 | 1225.00 | 1219.00 |
| 155.0 | 1283.00 | 1268.00 | 1275.00 | 1269.00 | 1263.00 |
| 157.5 | 1320.00 | 1306.00 | 1314.00 | 1308.00 | 1302.00 |
| 160.0 | 1356.00 | 1343.00 | 1350.00 | 1344.00 | 1338.00 |
| 162.5 | 1387.00 | 1376.00 | 1381.00 | 1377.00 | 1373.00 |
| 165.0 | 1415.00 | 1405.00 | 1408.00 | 1406.00 | 1403.00 |
| 167.5 | 1436.00 | 1430.00 | 1432.00 | 1430.00 | 1429.00 |
| 170.0 | 1455.00 | 1452.00 | 1453.00 | 1451.00 | 1450.00 |
| 172.5 | 1471.00 | 1470.00 | 1470.00 | 1469.00 | 1469.00 |
| 175.0 | 1482.00 | 1482.00 | 1482.00 | 1482.00 | 1481.00 |
| 177.5 | 1488.00 | 1489.00 | 1489.00 | 1489.00 | 1488.00 |
| 180.0 | 1492.00 | 1492.00 | 1492.00 | 1492.00 | 1492.00 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : HP-2-ID-4FT-V-V-835-F-MLB-ITL85132-KPL2008-6.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 1792.87 | N.A. | 28.60 |
| 0-30 | 2354.14 | N.A. | 37.50 |
| 0-40 | 2440.51 | N.A. | 38.90 |
| 0-60 | 2455.1 | N.A. | 39.20 |
| 0-80 | 2457.22 | N.A. | 39.20 |
| 0-90 | 2457.31 | N.A. | 39.20 |
| 10-90 | 1808.53 | N.A. | 28.80 |
| 20-40 | 647.64 | N.A. | 10.30 |
| 20-50 | 658.27 | N.A. | 10.50 |
| 40-70 | 16.15 | N.A. | 0.30 |
| 60-80 | 2.12 | N.A. | 0.00 |
| 70-80 | 0.56 | N.A. | 0.00 |
| 80-90 | 0.09 | N.A. | 0.00 |
| 90-110 | 329.21 | N.A. | 5.20 |
| 90-120 | 759.73 | N.A. | 12.10 |
| 90-130 | 1340.41 | N.A. | 21.40 |
| 90-150 | 2691.63 | N.A. | 42.90 |
| 90-180 | 3813.36 | N.A. | 60.80 |
| 110-180 | 3484.15 | N.A. | 55.60 |
| 0-180 | 6270.67 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 648.78 |
| 10-20 | 1144.1 |
| 20-30 | 561.26 |
| 30-40 | 86.37 |
| 40-50 | 10.64 |
| 50-60 | 3.95 |
| 60-70 | 1.56 |
| 70-80 | 0.56 |
| 80-90 | 0.09 |
| 90-100 | 77.06 |
| 100-110 | 252.15 |
| 110-120 | 430.52 |
| 120-130 | 580.67 |
| 130-140 | 672.56 |
| 140-150 | 678.67 |
| 150-160 | 584.78 |
| 160-170 | 396.44 |
| 170-180 | 140.51 |

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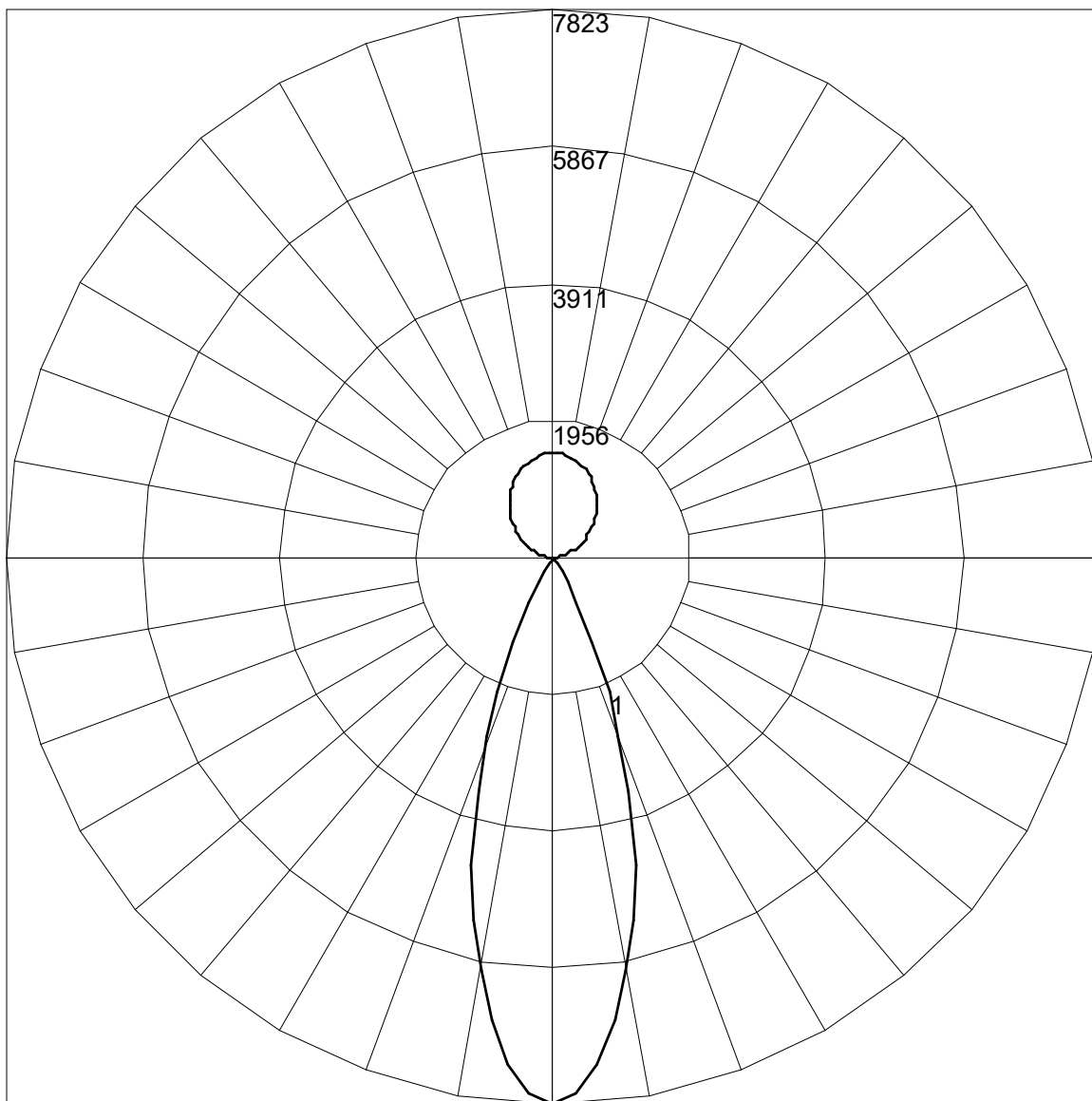
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 |
| 1 | 98 | 94 | 91 | 89 | 89 | 86 | 84 | 82 | 71 | 70 | 68 | 57 | 56 | 55 | 44 | 44 | 43 | 38 |
| 2 | 91 | 86 | 81 | 77 | 83 | 79 | 75 | 72 | 66 | 63 | 61 | 54 | 52 | 51 | 43 | 42 | 41 | 36 |
| 3 | 86 | 78 | 73 | 68 | 78 | 72 | 68 | 64 | 61 | 58 | 55 | 51 | 49 | 47 | 41 | 40 | 39 | 35 |
| 4 | 80 | 72 | 66 | 61 | 74 | 67 | 62 | 58 | 57 | 53 | 51 | 48 | 46 | 44 | 39 | 38 | 37 | 34 |
| 5 | 76 | 67 | 60 | 56 | 69 | 62 | 57 | 53 | 53 | 50 | 47 | 45 | 43 | 41 | 38 | 36 | 35 | 32 |
| 6 | 71 | 62 | 56 | 51 | 66 | 58 | 53 | 49 | 50 | 46 | 44 | 43 | 41 | 39 | 36 | 35 | 34 | 31 |
| 7 | 67 | 58 | 52 | 47 | 62 | 54 | 49 | 45 | 47 | 44 | 41 | 41 | 39 | 37 | 35 | 34 | 32 | 30 |
| 8 | 64 | 54 | 48 | 44 | 59 | 51 | 46 | 42 | 45 | 41 | 38 | 39 | 37 | 35 | 34 | 32 | 31 | 29 |
| 9 | 61 | 51 | 45 | 41 | 56 | 48 | 43 | 40 | 43 | 39 | 36 | 38 | 35 | 33 | 33 | 31 | 30 | 28 |
| 10 | 58 | 48 | 43 | 39 | 54 | 46 | 41 | 37 | 41 | 37 | 34 | 36 | 33 | 32 | 32 | 30 | 29 | 27 |

POLAR GRAPH



Maximum Candela = 7822.88 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)