



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P3950-LED3-MO-FWA-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]359809
 [TESTLAB]UL Verification Services
 [ISSUE DATE]11/ 1/2013
 [MANUFAC]Prudential Lighting Group
 [LUMCAT]P3950-LED3-MO-FWA-D1
 [LUMINAIRE]N/A
 [LAMP]N/A
 [LAMPCAT]
 [OTHER]120.0V

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 20325 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 102 |
| Total Luminaire Watts | 200 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.26 |
| Spacing Criterion (90-270) | 1.26 |
| Spacing Criterion (Diagonal) | 1.38 |
| Basic Luminous Shape | Sphere |
| Luminous Length (0-180) | 0.00 ft |
| Luminous Width (90-270) | 5.00 ft (Diameter) |
| Luminous Height | 0.50 ft (Diameter) |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 2568 | 2568 | 2568 |
| 55 | 2007 | 2007 | 2007 |
| 65 | 1398 | 1398 | 1398 |
| 75 | 784 | 784 | 784 |
| 85 | 221 | 221 | 221 |

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CANDELA TABULATION

| | <u>0</u> |
|------|----------|
| 0.0 | 7015.50 |
| 2.5 | 7008.00 |
| 5.0 | 6984.25 |
| 7.5 | 6947.00 |
| 10.0 | 6894.00 |
| 12.5 | 6825.25 |
| 15.0 | 6743.75 |
| 17.5 | 6645.00 |
| 20.0 | 6531.50 |
| 22.5 | 6405.00 |
| 25.0 | 6262.00 |
| 27.5 | 6107.25 |
| 30.0 | 5939.00 |
| 32.5 | 5759.50 |
| 35.0 | 5566.75 |
| 37.5 | 5361.00 |
| 40.0 | 5146.25 |
| 42.5 | 4922.25 |
| 45.0 | 4688.50 |
| 47.5 | 4444.75 |
| 50.0 | 4192.25 |
| 52.5 | 3931.25 |
| 55.0 | 3665.25 |
| 57.5 | 3393.50 |
| 60.0 | 3117.25 |
| 62.5 | 2835.75 |
| 65.0 | 2552.50 |
| 67.5 | 2268.50 |
| 70.0 | 1985.75 |
| 72.5 | 1706.00 |
| 75.0 | 1431.00 |
| 77.5 | 1162.00 |
| 80.0 | 898.50 |
| 82.5 | 644.50 |
| 85.0 | 403.00 |
| 87.5 | 180.50 |
| 90.0 | 25.00 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|----------|-------|--------|
| 0-20 | 2566.84 | N.A. | 12.60 |
| 0-30 | 5452.81 | N.A. | 26.80 |
| 0-40 | 8934.28 | N.A. | 44.00 |
| 0-60 | 15824.99 | N.A. | 77.90 |
| 0-80 | 19865.25 | N.A. | 97.70 |
| 0-90 | 20324.98 | N.A. | 100.00 |
| 10-90 | 19661.13 | N.A. | 96.70 |
| 20-40 | 6367.44 | N.A. | 31.30 |
| 20-50 | 9982.69 | N.A. | 49.10 |
| 40-70 | 9416.77 | N.A. | 46.30 |
| 60-80 | 4040.26 | N.A. | 19.90 |
| 70-80 | 1514.19 | N.A. | 7.40 |
| 80-90 | 459.73 | N.A. | 2.30 |
| 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 | 20324.98 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 663.85 |
| 10-20 | 1902.99 |
| 20-30 | 2885.97 |
| 30-40 | 3481.48 |
| 40-50 | 3615.24 |
| 50-60 | 3275.46 |
| 60-70 | 2526.07 |
| 70-80 | 1514.19 |
| 80-90 | 459.73 |
| 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 |

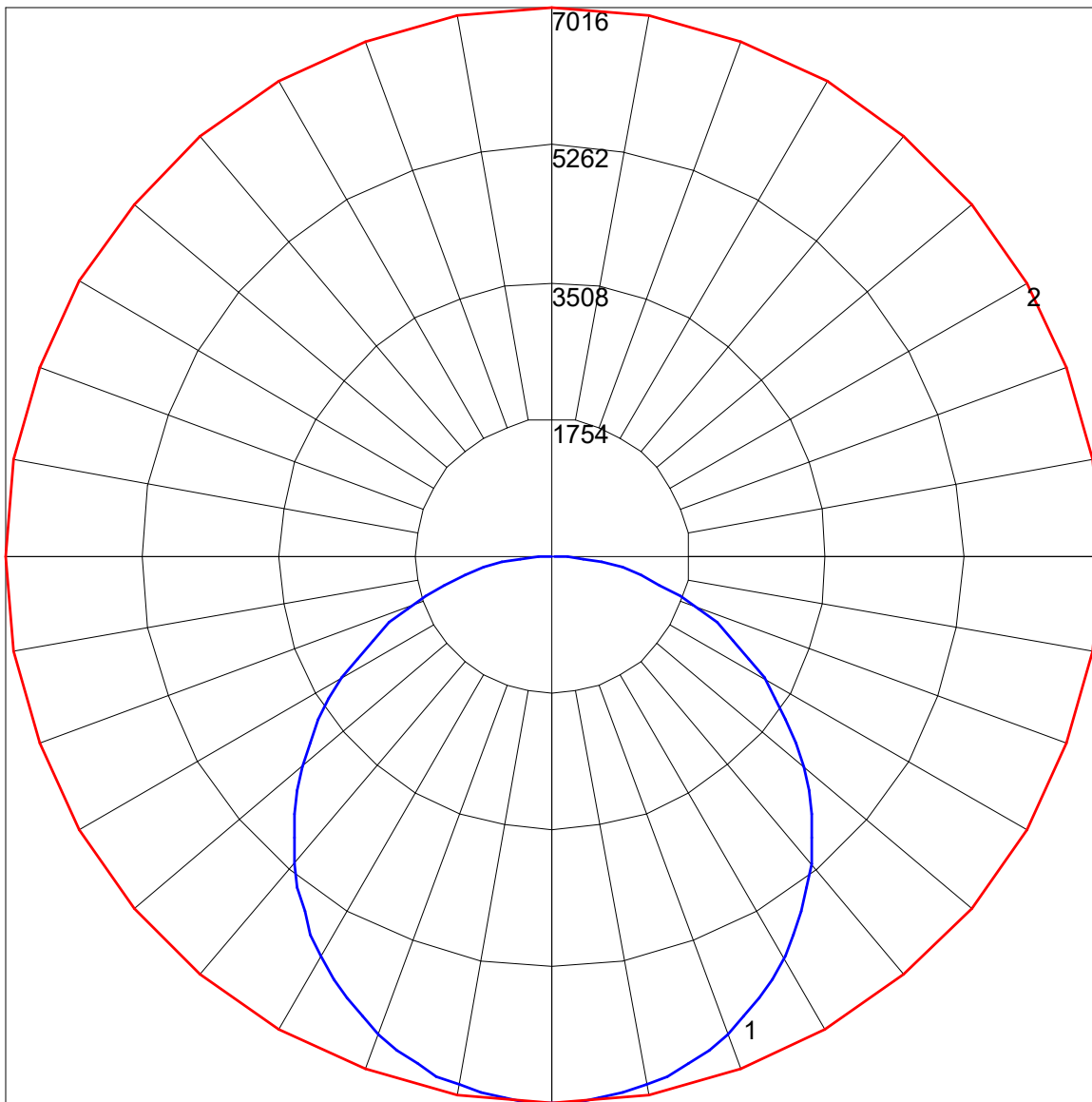
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 108 | 104 | 99 | 95 | 106 | 101 | 97 | 94 | 97 | 94 | 91 | 93 | 90 | 88 | 89 | 87 | 85 | 83 |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 85 | 79 | 74 | 81 | 77 | 73 | 78 | 74 | 71 | 69 |
| 3 | 90 | 79 | 71 | 64 | 87 | 77 | 70 | 63 | 74 | 68 | 62 | 72 | 66 | 61 | 69 | 64 | 60 | 58 |
| 4 | 82 | 70 | 61 | 54 | 80 | 68 | 60 | 54 | 66 | 59 | 53 | 64 | 57 | 52 | 61 | 56 | 51 | 49 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 53 | 46 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 43 |
| 6 | 70 | 56 | 47 | 41 | 68 | 55 | 47 | 40 | 53 | 46 | 40 | 52 | 45 | 40 | 50 | 44 | 39 | 37 |
| 7 | 64 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 48 | 41 | 35 | 47 | 40 | 35 | 46 | 39 | 35 | 33 |
| 8 | 60 | 46 | 38 | 32 | 58 | 46 | 37 | 32 | 44 | 37 | 32 | 43 | 36 | 31 | 42 | 36 | 31 | 29 |
| 9 | 56 | 43 | 34 | 29 | 55 | 42 | 34 | 29 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 26 |
| 10 | 53 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 26 | 24 |

POLAR GRAPH



Maximum Candela = 7015.5 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.)