

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-20-57CF-F05.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] Photopia 2015.0.1
[TESTLAB] TMS LIGHTING INC.
[TESTDATE] Jan. 19, 2017
[ISSUE DATE] Jan. 19, 2017
[MANUFAC] TMS LIGHTING INC.
[LUMINAIRE] TRISHA PENDANT
[MORE] 20" DIAMETER RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMCAT] TRI-I-20-57CF-F05
[LAMP] Fluor. 57W PL-T triple tube
[LAMP CAT] Master PL-T 57W/840/4P

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | 4300 (1 lamp) |
| Total Lamp Lumens | 4300 |
| Luminaire Lumens | 2964 |
| Total Luminaire Efficiency | 69 % |
| Luminaire Efficacy Rating (LER) | 50 |
| Total Luminaire Watts | 59 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criteria (0-180) | 1.34 |
| Spacing Criteria (90-270) | 1.34 |
| Spacing Criteria (Diagonal) | 1.40 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.00 ft |
| Luminous Width (90-270) | 1.64 ft (Diameter) |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 5461 | 5461 | 5461 |
| 55 | 4595 | 4595 | 4595 |
| 65 | 3373 | 3373 | 3373 |
| 75 | 2238 | 2238 | 2238 |
| 85 | 1168 | 1168 | 1168 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|--------|---------|-------|--------|
| 0-30 | 890.33 | 20.70 | 30.00 |
| 0-40 | 1481.6 | 34.50 | 50.00 |
| 0-60 | 2531.5 | 58.90 | 85.40 |
| 0-90 | 2963.9 | 68.90 | 100.00 |
| 90-120 | 0.08 | 0.00 | 0.00 |
| 90-130 | 0.08 | 0.00 | 0.00 |
| 90-150 | 0.08 | 0.00 | 0.00 |
| 90-180 | 0.08 | 0.00 | 0.00 |
| 0-180 | 2963.99 | 68.90 | 100.00 |

Total Luminaire Efficiency = 68.90%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 107.97 |
| 10-20 | 308.67 |
| 20-30 | 473.68 |
| 30-40 | 591.27 |
| 40-50 | 586.16 |
| 50-60 | 463.74 |
| 60-70 | 280.01 |
| 70-80 | 123.91 |
| 80-90 | 28.48 |
| 90-100 | 0.08 |
| 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 |

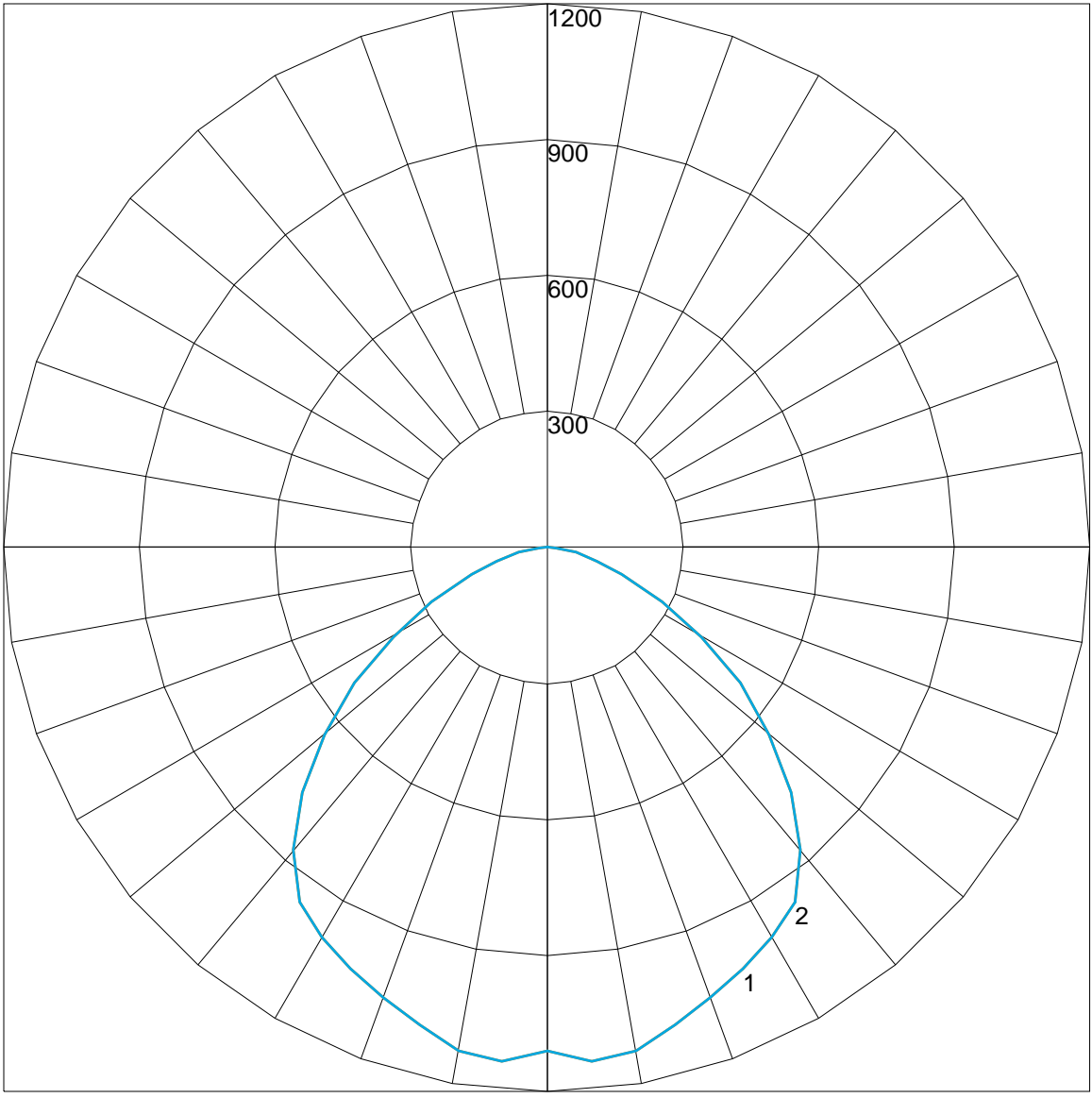
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | |
| 0 | 82 | 82 | 82 | 82 | 80 | 80 | 80 | 80 | 77 | 77 | 77 | 73 | 73 | 73 | 70 | 70 | 70 | 69 |
| 1 | 76 | 73 | 70 | 68 | 74 | 71 | 69 | 67 | 68 | 66 | 64 | 66 | 64 | 63 | 63 | 62 | 61 | 59 |
| 2 | 69 | 64 | 60 | 56 | 68 | 63 | 59 | 55 | 60 | 57 | 54 | 58 | 55 | 53 | 56 | 54 | 52 | 50 |
| 3 | 64 | 57 | 51 | 47 | 62 | 56 | 51 | 47 | 54 | 49 | 46 | 52 | 48 | 45 | 50 | 47 | 44 | 43 |
| 4 | 58 | 51 | 45 | 40 | 57 | 50 | 44 | 40 | 48 | 43 | 40 | 46 | 42 | 39 | 45 | 41 | 39 | 37 |
| 5 | 54 | 45 | 39 | 35 | 52 | 45 | 39 | 35 | 43 | 38 | 34 | 42 | 37 | 34 | 41 | 37 | 34 | 32 |
| 6 | 50 | 41 | 35 | 31 | 48 | 40 | 35 | 31 | 39 | 34 | 30 | 38 | 33 | 30 | 37 | 33 | 30 | 28 |
| 7 | 46 | 37 | 31 | 27 | 45 | 37 | 31 | 27 | 36 | 31 | 27 | 35 | 30 | 27 | 34 | 30 | 27 | 25 |
| 8 | 43 | 34 | 28 | 24 | 42 | 33 | 28 | 24 | 33 | 28 | 24 | 32 | 27 | 24 | 31 | 27 | 24 | 23 |
| 9 | 40 | 31 | 26 | 22 | 39 | 31 | 25 | 22 | 30 | 25 | 22 | 29 | 25 | 22 | 29 | 24 | 21 | 20 |
| 10 | 38 | 29 | 23 | 20 | 37 | 28 | 23 | 20 | 28 | 23 | 20 | 27 | 23 | 20 | 26 | 22 | 20 | 18 |

POLAR GRAPH



Maximum Candela = 1138.69 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)