

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-18-57CF-F05.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[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] 18" DIAMETER RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMCAT] TRI-I-18-57CF-F05
[LAMP] 57W CF
[LAMP CAT] Master PL-T 57W/840/4P

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | 4300 (1 lamp) |
| Total Lamp Lumens | 4300 |
| Luminaire Lumens | 2796 |
| Total Luminaire Efficiency | 65 % |
| Luminaire Efficacy Rating (LER) | 47 |
| Total Luminaire Watts | 59 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criteria (0-180) | 1.10 |
| Spacing Criteria (90-270) | 1.10 |
| Spacing Criteria (Diagonal) | 1.16 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.00 ft |
| Luminous Width (90-270) | 1.46 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 | 5368 | 5396 | 5483 |
| 55 | 3599 | 3586 | 3474 |
| 65 | 2857 | 2832 | 2894 |
| 75 | 2253 | 2332 | 2130 |
| 85 | 1104 | 1252 | 1416 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|--------|---------|-------|--------|
| 0-30 | 1110.59 | 25.80 | 39.70 |
| 0-40 | 1731.41 | 40.30 | 61.90 |
| 0-60 | 2486.13 | 57.80 | 88.90 |
| 0-90 | 2795.8 | 65.00 | 100.00 |
| 90-120 | 0.01 | 0.00 | 0.00 |
| 90-130 | 0.01 | 0.00 | 0.00 |
| 90-150 | 0.01 | 0.00 | 0.00 |
| 90-180 | 0.01 | 0.00 | 0.00 |
| 0-180 | 2795.81 | 65.00 | 100.00 |

Total Luminaire Efficiency = 65.00%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 144.82 |
| 10-20 | 397.87 |
| 20-30 | 567.89 |
| 30-40 | 620.82 |
| 40-50 | 466.41 |
| 50-60 | 288.32 |
| 60-70 | 186.96 |
| 70-80 | 98.92 |
| 80-90 | 23.79 |
| 90-100 | 0.01 |
| 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 |

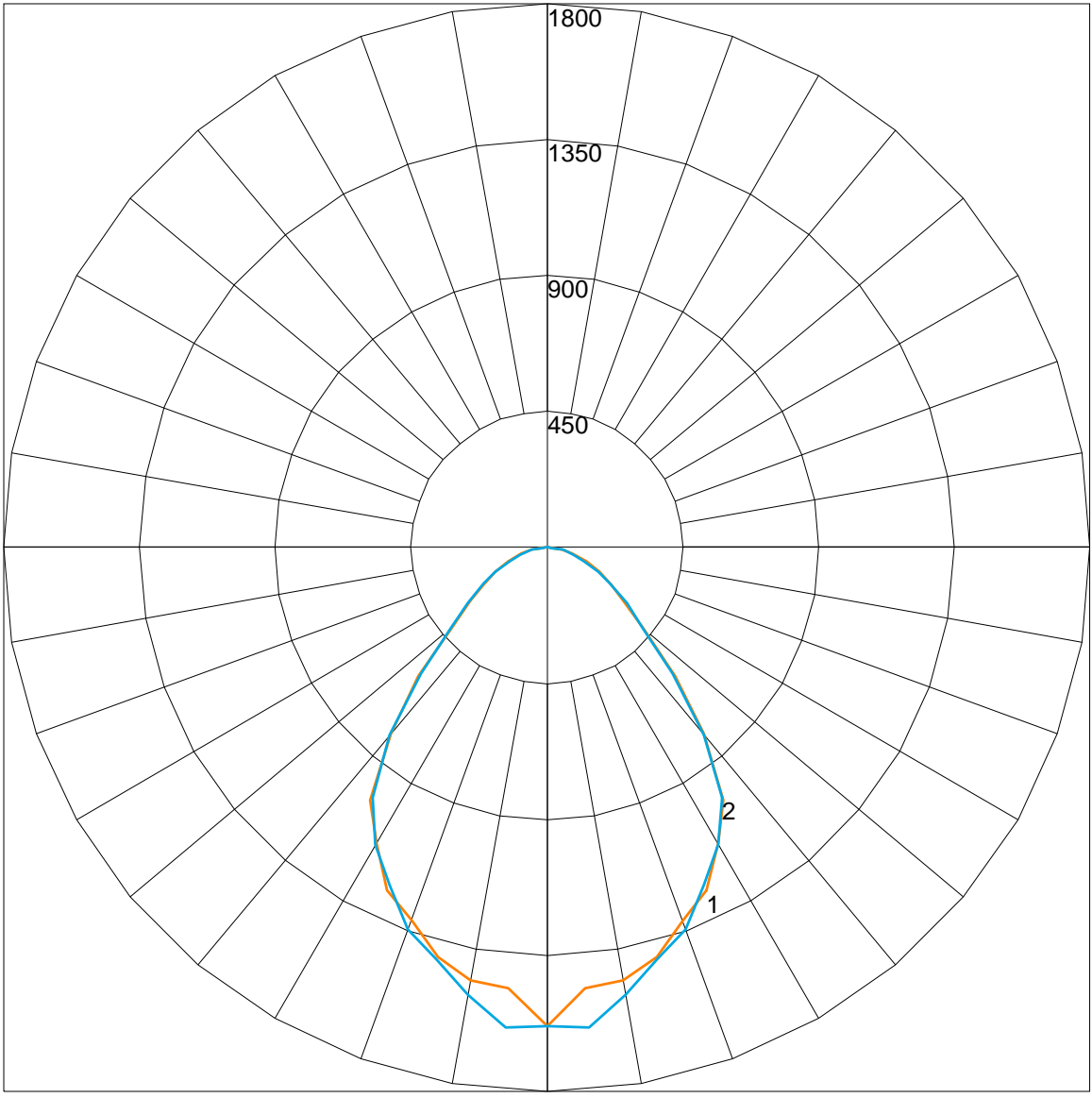
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 77 | 77 | 77 | 77 | 76 | 76 | 76 | 76 | 72 | 72 | 72 | 69 | 69 | 69 | 66 | 66 | 66 | 65 | 65 |
| 1 | 72 | 69 | 67 | 65 | 70 | 68 | 66 | 64 | 65 | 64 | 62 | 63 | 61 | 60 | 60 | 59 | 58 | 57 | 57 |
| 2 | 67 | 62 | 58 | 55 | 65 | 61 | 58 | 55 | 59 | 56 | 53 | 57 | 54 | 52 | 55 | 53 | 51 | 50 | 50 |
| 3 | 62 | 56 | 51 | 48 | 60 | 55 | 51 | 47 | 53 | 49 | 46 | 51 | 48 | 46 | 50 | 47 | 45 | 44 | 44 |
| 4 | 57 | 50 | 46 | 42 | 56 | 50 | 45 | 41 | 48 | 44 | 41 | 47 | 43 | 40 | 45 | 42 | 40 | 39 | 39 |
| 5 | 53 | 46 | 41 | 37 | 52 | 45 | 40 | 37 | 44 | 40 | 36 | 43 | 39 | 36 | 41 | 38 | 36 | 34 | 34 |
| 6 | 50 | 42 | 37 | 33 | 48 | 41 | 36 | 33 | 40 | 36 | 33 | 39 | 35 | 32 | 38 | 35 | 32 | 31 | 31 |
| 7 | 46 | 38 | 33 | 30 | 45 | 38 | 33 | 30 | 37 | 33 | 29 | 36 | 32 | 29 | 35 | 32 | 29 | 28 | 28 |
| 8 | 43 | 35 | 30 | 27 | 42 | 35 | 30 | 27 | 34 | 30 | 27 | 33 | 29 | 27 | 33 | 29 | 26 | 25 | 25 |
| 9 | 41 | 33 | 28 | 25 | 40 | 32 | 28 | 25 | 32 | 27 | 24 | 31 | 27 | 24 | 30 | 27 | 24 | 23 | 23 |
| 10 | 38 | 30 | 26 | 23 | 38 | 30 | 26 | 23 | 30 | 25 | 22 | 29 | 25 | 22 | 28 | 25 | 22 | 21 | 21 |

POLAR GRAPH



Maximum Candela = 1592.97 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)