

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-9-100IN-F05.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] Photopia 2015.0.1
[TESTLAB] TMS LIGHTING INC.
[TESTDATE] Jan. 18, 2017
[ISSUE DATE] Jan. 18, 2017
[MANUFAC] TMS LIGHTING INC.
[LUMINAIRE] TRISH PENDANT
[MORE] 9" DIA. RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMCAT] TRI-I-9-100IN-F05
[LAMP] 100W INCANDESCENT
[LAMPCAT] A-19, E26 BASE

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | 1700 (1 lamp) |
| Total Lamp Lumens | 1700 |
| Luminaire Lumens | 1093 |
| Total Luminaire Efficiency | 64 % |
| Luminaire Efficacy Rating (LER) | 11 |
| Total Luminaire Watts | 100 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criteria (0-180) | 1.36 |
| Spacing Criteria (90-270) | 1.38 |
| Spacing Criteria (Diagonal) | 1.42 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.00 ft |
| Luminous Width (90-270) | 0.74 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 | 10586 | 10473 | 10522 |
| 55 | 7387 | 7197 | 7164 |
| 65 | 4407 | 4451 | 4514 |
| 75 | 3319 | 3223 | 3412 |
| 85 | 2291 | 2091 | 2247 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|--------|---------|-------|--------|
| 0-30 | 355.90 | 20.90 | 32.60 |
| 0-40 | 593.45 | 34.90 | 54.30 |
| 0-60 | 968.35 | 57.00 | 88.60 |
| 0-90 | 1092.61 | 64.30 | 100.00 |
| 90-120 | 0.00 | 0.00 | 0.00 |
| 90-130 | 0.00 | 0.00 | 0.00 |
| 90-150 | 0.00 | 0.00 | 0.00 |
| 90-180 | 0.00 | 0.00 | 0.00 |
| 0-180 | 1092.61 | 64.30 | 100.00 |

Total Luminaire Efficiency = 64.30%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 41.71 |
| 10-20 | 123.04 |
| 20-30 | 191.15 |
| 30-40 | 237.54 |
| 40-50 | 226.30 |
| 50-60 | 148.60 |
| 60-70 | 77.18 |
| 70-80 | 37.28 |
| 80-90 | 9.79 |
| 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 |

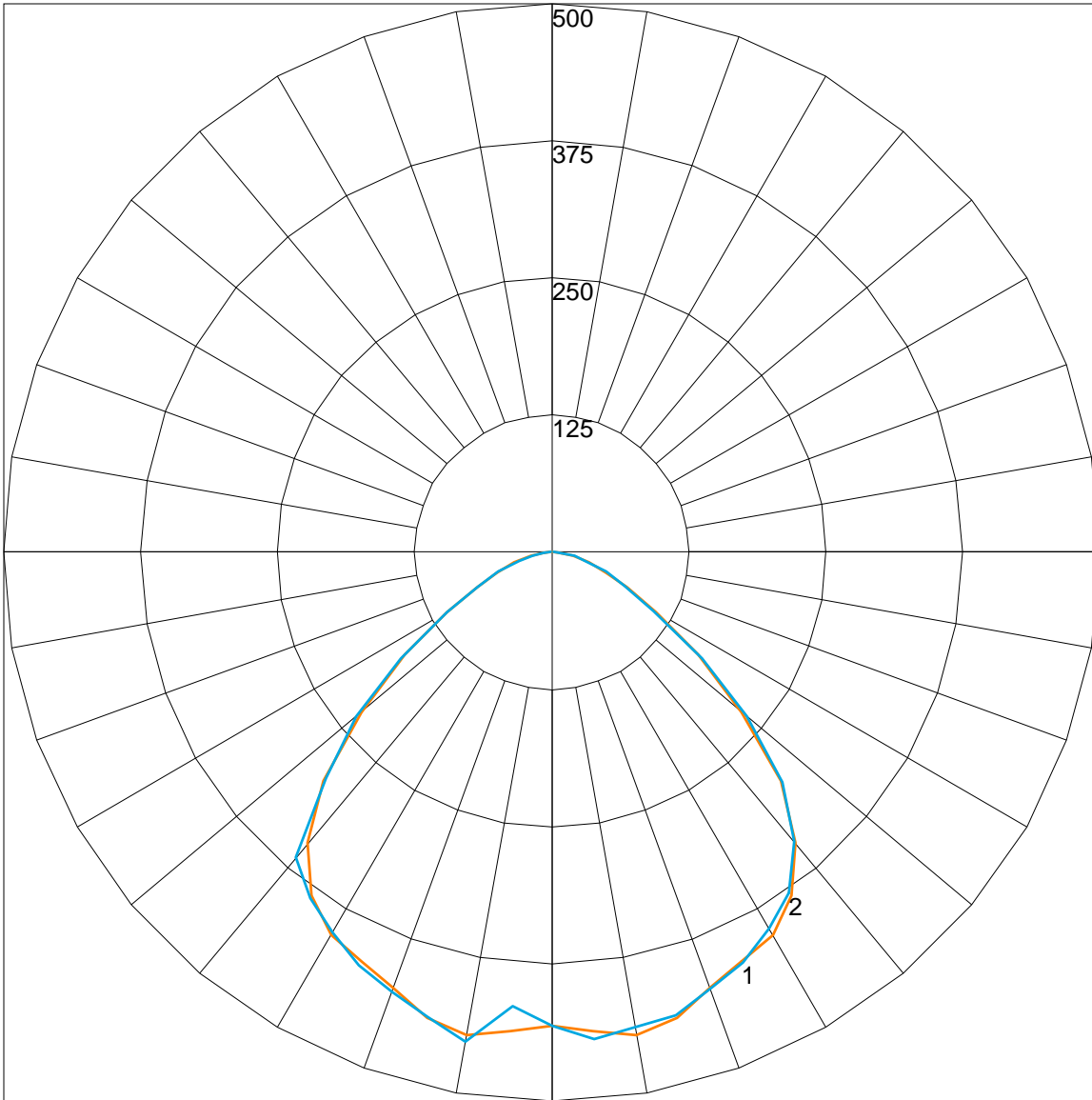
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 77 | 77 | 77 | 77 | 75 | 75 | 75 | 75 | 71 | 71 | 71 | 68 | 68 | 68 | 66 | 66 | 66 | 64 | 64 |
| 1 | 71 | 68 | 66 | 64 | 69 | 67 | 65 | 63 | 64 | 62 | 61 | 62 | 60 | 59 | 59 | 58 | 57 | 56 | 56 |
| 2 | 65 | 61 | 57 | 54 | 64 | 59 | 56 | 53 | 57 | 54 | 52 | 55 | 53 | 51 | 53 | 51 | 49 | 48 | 48 |
| 3 | 60 | 54 | 49 | 46 | 59 | 53 | 49 | 45 | 51 | 47 | 44 | 49 | 46 | 44 | 48 | 45 | 43 | 42 | 42 |
| 4 | 55 | 48 | 43 | 39 | 54 | 48 | 43 | 39 | 46 | 42 | 39 | 45 | 41 | 38 | 43 | 40 | 38 | 36 | 36 |
| 5 | 51 | 44 | 38 | 34 | 50 | 43 | 38 | 34 | 42 | 37 | 34 | 40 | 36 | 33 | 39 | 36 | 33 | 32 | 32 |
| 6 | 47 | 39 | 34 | 30 | 46 | 39 | 34 | 30 | 38 | 33 | 30 | 37 | 33 | 30 | 36 | 32 | 29 | 28 | 28 |
| 7 | 44 | 36 | 31 | 27 | 43 | 35 | 30 | 27 | 34 | 30 | 27 | 34 | 29 | 26 | 33 | 29 | 26 | 25 | 25 |
| 8 | 41 | 33 | 28 | 24 | 40 | 32 | 27 | 24 | 32 | 27 | 24 | 31 | 27 | 24 | 30 | 26 | 24 | 22 | 22 |
| 9 | 38 | 30 | 25 | 22 | 38 | 30 | 25 | 22 | 29 | 25 | 22 | 28 | 24 | 21 | 28 | 24 | 21 | 20 | 20 |
| 10 | 36 | 28 | 23 | 20 | 35 | 28 | 23 | 20 | 27 | 23 | 20 | 26 | 22 | 20 | 26 | 22 | 19 | 18 | 18 |

POLAR GRAPH



Maximum Candela = 467.71 Located At Horizontal Angle = 22.5, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)