

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 763TU-84LED-F05-OP.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] Photopia 2015.0.1  
 [TESTLAB] TMS LIGHTING INC.  
 [TESTDATE] July 4, 2016  
 [ISSUEDATE] July 4, 2016  
 [MANUFAC] TMS LIGHTING INC.  
 [LUMCAT] 763TU-84LED-F05-OP  
 [LUMINAIRE] TURM 3 PENDANT  
 [MORE] 40"L X 20"W 36"H STEEL FRAME  
 [MORE] WHITE POLYESTER POWDER COAT FINISH  
 [MORE] OPAL-WHITE ACRYLIC DIFFUSERS  
 [LAMP] CREE 84W LED, CCT 3500K  
 [LAMPCAT] XP-G2

**CHARACTERISTICS**

|                                 |                     |
|---------------------------------|---------------------|
| Lumens Per Lamp                 | N.A. (absolute)     |
| Total Lamp Lumens               | N.A. (absolute)     |
| Luminaire Lumens                | 4618                |
| Total Luminaire Efficiency      | N.A.                |
| Luminaire Efficacy Rating (LER) | 49                  |
| Total Luminaire Watts           | 95                  |
| Ballast Factor                  | 1.00                |
| CIE Type                        | General Diffuse     |
| Spacing Criteria (0-180)        | N.A.                |
| Spacing Criteria (90-270)       | N.A.                |
| Spacing Criteria (Diagonal)     | N.A.                |
| Basic Luminous Shape            | Rectangular w/Sides |
| Luminous Length (0-180)         | 1.67 ft             |
| Luminous Width (90-270)         | 3.33 ft             |
| Luminous Height                 | 3.00 ft             |

**LUMINANCE DATA (cd/sq.m)**

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 438              | 388               | 430               |
| 55                  | 415              | 384               | 413               |
| 65                  | 439              | 371               | 390               |
| 75                  | 461              | 378               | 376               |
| 85                  | 495              | 392               | 378               |

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**ZONAL LUMEN SUMMARY**

| Zone   | Lumens  | %Lamp | %Fixt  |
|--------|---------|-------|--------|
| 0-30   | 298.97  | N.A.  | 6.50   |
| 0-40   | 540.76  | N.A.  | 11.70  |
| 0-60   | 1199.09 | N.A.  | 26.00  |
| 0-90   | 2389.00 | N.A.  | 51.70  |
| 90-120 | 1199.52 | N.A.  | 26.00  |
| 90-130 | 1534.75 | N.A.  | 33.20  |
| 90-150 | 2011.05 | N.A.  | 43.50  |
| 90-180 | 2228.87 | N.A.  | 48.30  |
| 0-180  | 4617.86 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 30.82  |
| 10-20   | 97.83  |
| 20-30   | 170.32 |
| 30-40   | 241.79 |
| 40-50   | 305.03 |
| 50-60   | 353.30 |
| 60-70   | 385.51 |
| 70-80   | 400.28 |
| 80-90   | 404.12 |
| 90-100  | 408.44 |
| 100-110 | 407.77 |
| 110-120 | 383.31 |
| 120-130 | 335.23 |
| 130-140 | 273.05 |
| 140-150 | 203.25 |
| 150-160 | 134.41 |
| 160-170 | 67.61  |
| 170-180 | 15.79  |

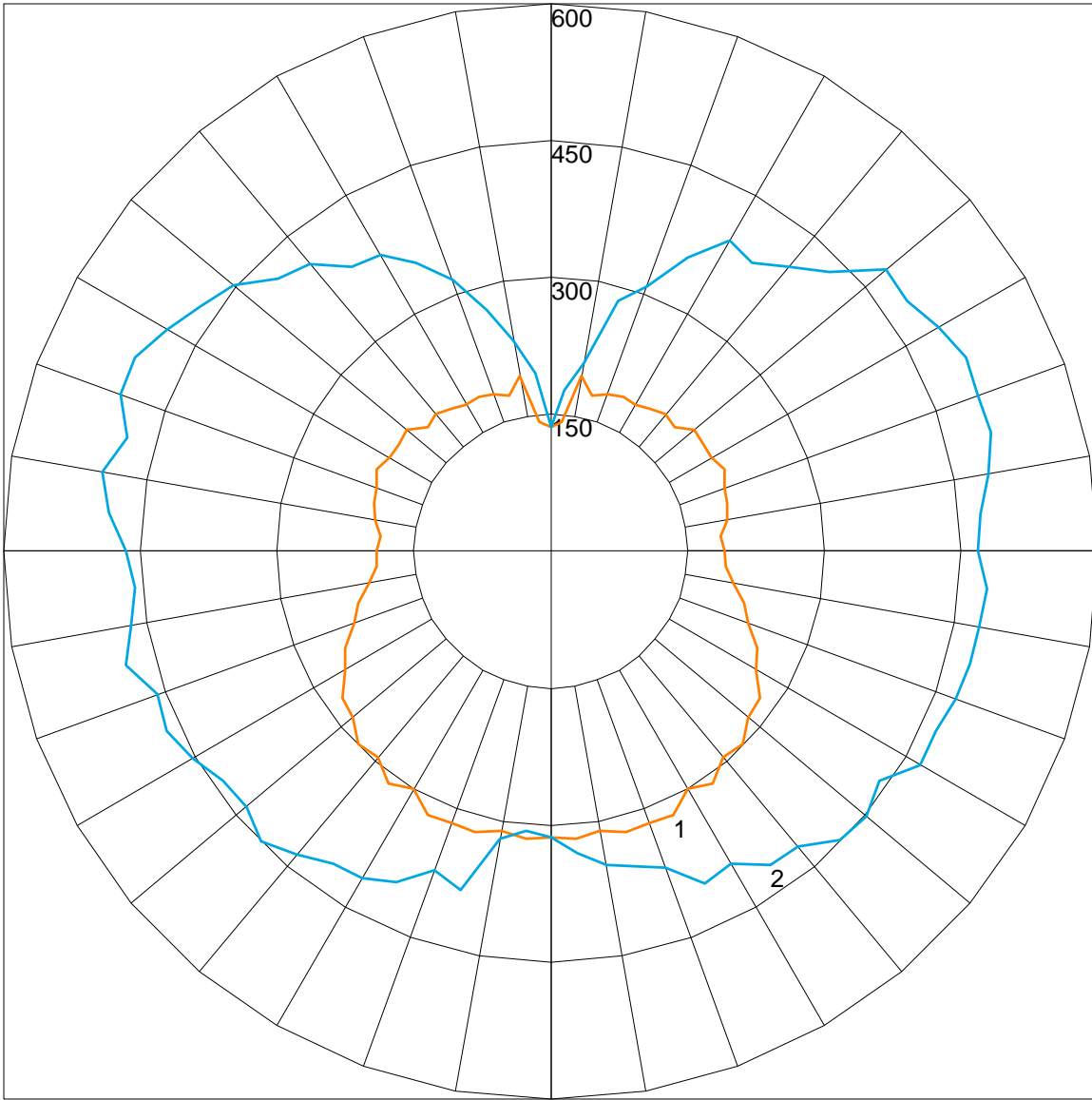
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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  | 108 | 108 | 108 | 108 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 58 | 58 | 58 | 52 |
| 1  | 94  | 88  | 82  | 77  | 86 | 81 | 76 | 71 | 67 | 64 | 60 | 55 | 53 | 50 | 44 | 42 | 40 | 35 |
| 2  | 84  | 74  | 66  | 60  | 77 | 68 | 61 | 55 | 57 | 51 | 47 | 46 | 42 | 39 | 37 | 33 | 31 | 26 |
| 3  | 75  | 64  | 55  | 48  | 69 | 59 | 51 | 44 | 49 | 43 | 37 | 40 | 35 | 31 | 31 | 27 | 24 | 20 |
| 4  | 68  | 56  | 46  | 39  | 62 | 51 | 43 | 36 | 43 | 36 | 31 | 35 | 29 | 25 | 27 | 23 | 20 | 16 |
| 5  | 62  | 49  | 40  | 33  | 57 | 45 | 37 | 31 | 38 | 31 | 26 | 30 | 25 | 21 | 24 | 20 | 17 | 13 |
| 6  | 57  | 44  | 35  | 28  | 52 | 40 | 32 | 26 | 33 | 27 | 22 | 27 | 22 | 18 | 21 | 17 | 14 | 11 |
| 7  | 53  | 39  | 30  | 24  | 48 | 36 | 28 | 22 | 30 | 24 | 19 | 25 | 19 | 16 | 19 | 15 | 12 | 10 |
| 8  | 49  | 35  | 27  | 21  | 45 | 33 | 25 | 19 | 27 | 21 | 17 | 22 | 17 | 14 | 18 | 14 | 11 | 8  |
| 9  | 45  | 32  | 24  | 18  | 41 | 30 | 22 | 17 | 25 | 19 | 15 | 20 | 16 | 12 | 16 | 12 | 10 | 7  |
| 10 | 42  | 29  | 21  | 16  | 39 | 27 | 20 | 15 | 23 | 17 | 13 | 19 | 14 | 11 | 15 | 11 | 8  | 6  |

POLAR GRAPH



Maximum Candela = 503.13 Located At Horizontal Angle = 180, Vertical Angle = 115  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)