

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TRI-I-12-42CF-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.  
[LUMCAT] TRISHA PENDANT  
[MORE] 12" DIA. RLM REFLECTOR  
[MORE] WHITE POLYESTER POWDER COAT FINISH  
[LUMINAIRE] TRI-I-12-42CF-F05  
[LAMP] Fluor. 42W PL-T triple tube  
[LAMP CAT] PL-T 42W/840/4P

**CHARACTERISTICS**

Lumens Per Lamp	3200 (1 lamp)
Total Lamp Lumens	3200
Luminaire Lumens	2379
Total Luminaire Efficiency	74 %
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	46
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.40
Spacing Criteria (90-270)	1.40
Spacing Criteria (Diagonal)	1.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.99 ft
Luminous Width (90-270)	0.99 ft
Luminous Height	0.81 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5428	4463	5385
55	4039	3201	3974
65	2545	2044	2636
75	1287	1037	1255
85	261	163	229

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	636.30	19.90	26.70
0-40	1072.6	33.50	45.10
0-60	1947.59	60.90	81.90
0-90	2378.68	74.30	100.00
90-120	0.67	0.00	0.00
90-130	0.67	0.00	0.00
90-150	0.67	0.00	0.00
90-180	0.67	0.00	0.00
0-180	2379.35	74.40	100.00

Total Luminaire Efficiency = 74.40%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	75.89
10-20	219.08
20-30	341.34
30-40	436.30
40-50	474.85
50-60	400.14
60-70	272.74
70-80	131.68
80-90	26.67
90-100	0.67
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

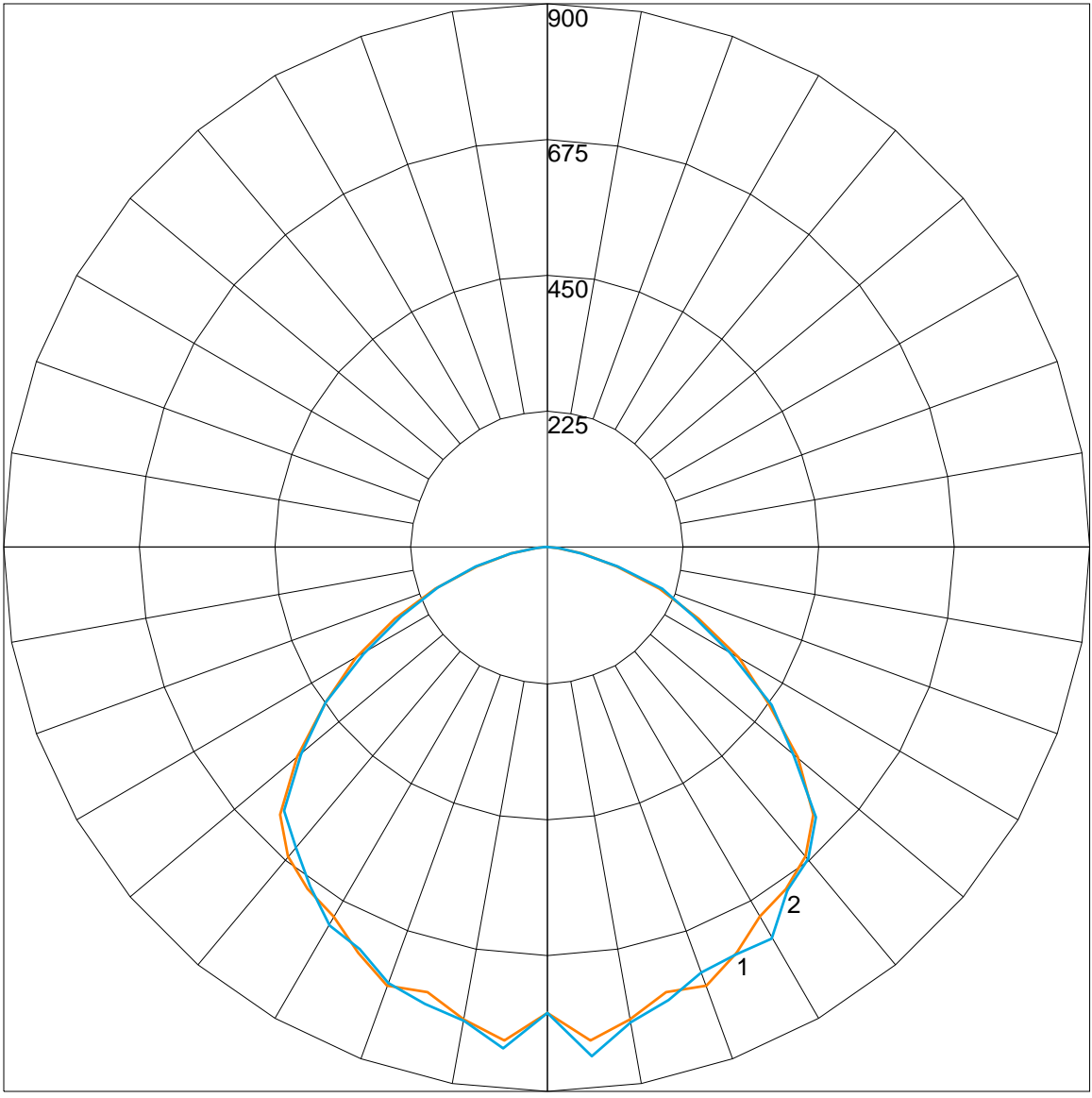
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	89	89	89	89	86	86	86	86	83	83	83	79	79	79	76	76	76	74
1	81	78	75	72	79	76	73	71	73	71	69	70	68	67	67	66	65	63
2	74	68	63	59	72	67	62	58	64	60	57	62	58	56	59	57	54	53
3	67	60	54	49	66	59	53	49	56	52	48	54	50	47	52	49	46	44
4	62	53	46	42	60	52	46	41	50	45	41	48	44	40	47	43	40	38
5	57	47	41	36	55	46	40	35	45	39	35	43	38	35	42	38	34	33
6	52	42	36	31	51	42	35	31	40	35	31	39	34	30	38	34	30	29
7	48	38	32	27	47	38	32	27	37	31	27	36	31	27	35	30	27	25
8	45	35	29	24	44	34	28	24	33	28	24	33	28	24	32	27	24	22
9	42	32	26	22	41	32	26	22	31	25	22	30	25	21	29	25	21	20
10	39	29	24	20	38	29	23	20	28	23	20	28	23	19	27	23	19	18

POLAR GRAPH



Maximum Candela = 845.63 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)