

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TRI-I-12-100IN-F05.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] Photopia 2015.0.1  
[TESTLAB] TMS LIGHTING INC.  
[TESTDATE] Jan. 18, 2017  
[ISSUEDATE] Jan. 18, 2017  
[MANUFAC] TMS LIGHTING INC.  
[LUMINAIRE] TRISHA PENDANT  
[MORE] 12" DIA. RLM REFLECTOR  
[MORE] WHITE POLYESTER POWDER COAT  
[LUMCAT] TRI-I-12-100IN-F05  
[LAMP] 100W FROSTED INCANDESCENT  
[LAMPCAT] A-19, E26 BASE

**CHARACTERISTICS**

Lumens Per Lamp	1700 (1 lamp)
Total Lamp Lumens	1700
Luminaire Lumens	1217
Total Luminaire Efficiency	72 %
Luminaire Efficacy Rating (LER)	12
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.34
Spacing Criteria (90-270)	1.40
Spacing Criteria (Diagonal)	1.48
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	2786	2367	2772
55	1972	1593	1989
65	1207	977	1233
75	595	431	590
85	142	88	118

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	336.89	19.80	27.70
0-40	566.32	33.30	46.50
0-60	1014.7	59.70	83.40
0-90	1216.68	71.60	100.00
90-120	0.29	0.00	0.00
90-130	0.29	0.00	0.00
90-150	0.29	0.00	0.00
90-180	0.29	0.00	0.00
0-180	1216.97	71.60	100.00

Total Luminaire Efficiency = 71.60%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	39.40
10-20	115.59
20-30	181.90
30-40	229.44
40-50	246.13
50-60	202.25
60-70	128.34
70-80	59.92
80-90	13.72
90-100	0.29
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

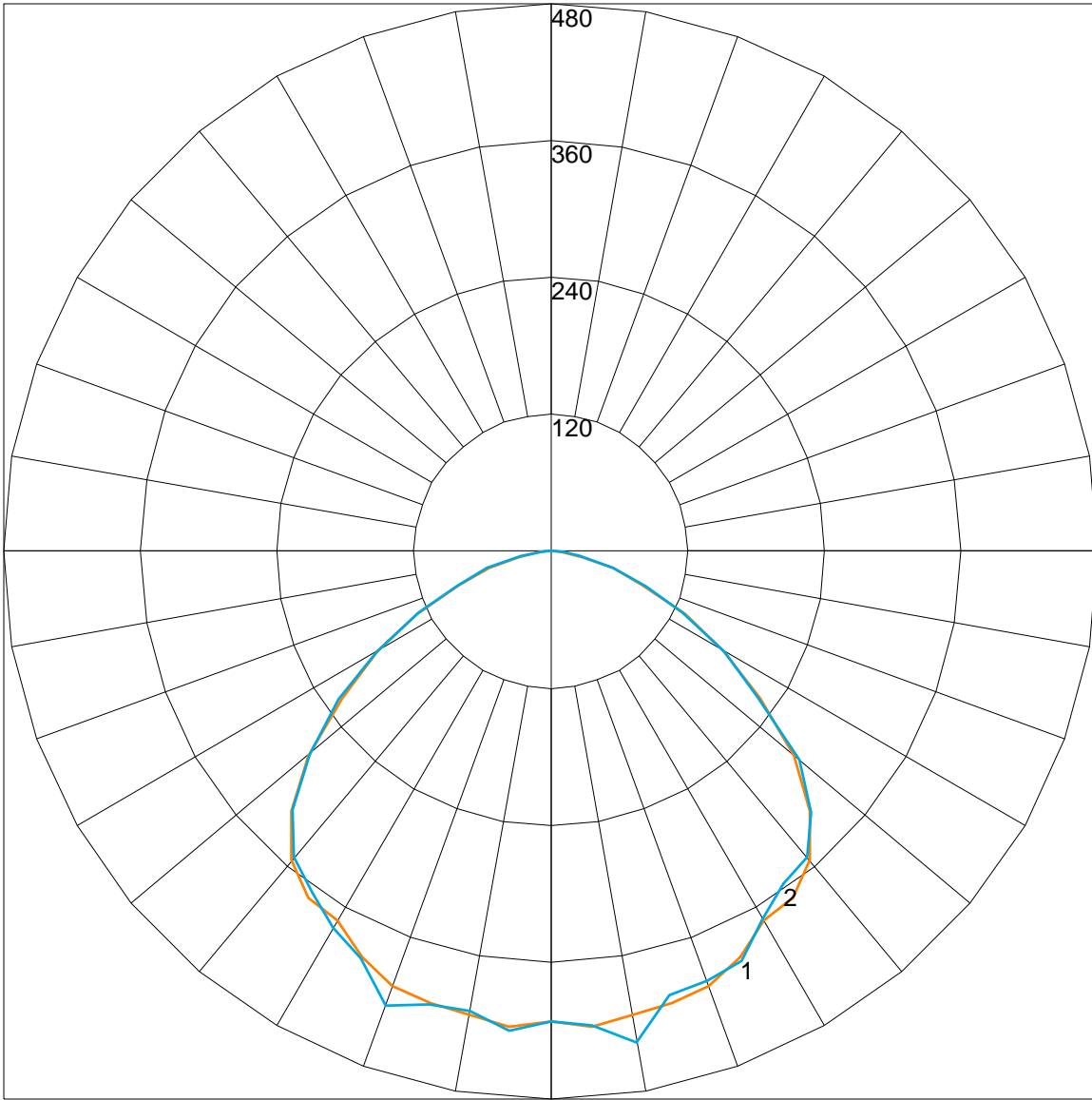
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	85	85	85	85	83	83	83	83	80	80	80	76	76	76	73	73	73	72	72
1	78	75	72	70	76	74	71	69	70	68	66	68	66	64	65	64	62	61	61
2	72	66	61	57	70	65	60	57	62	58	55	60	57	54	58	55	53	51	51
3	65	58	52	48	64	57	52	47	55	50	47	53	49	46	51	48	45	43	43
4	60	51	45	41	58	51	45	40	49	44	40	47	43	39	46	42	39	37	37
5	55	46	40	35	54	45	39	35	44	38	34	42	38	34	41	37	34	32	32
6	51	41	35	31	49	41	35	30	39	34	30	38	33	30	37	33	30	28	28
7	47	37	31	27	46	37	31	27	36	30	27	35	30	26	34	29	26	25	25
8	44	34	28	24	43	34	28	24	33	27	24	32	27	24	31	27	23	22	22
9	41	31	25	21	40	31	25	21	30	25	21	29	25	21	29	24	21	20	20
10	38	29	23	19	37	28	23	19	28	23	19	27	22	19	26	22	19	18	18

POLAR GRAPH



Maximum Candela = 436.58 Located At Horizontal Angle = 0, Vertical Angle = 10  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)