

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TRI-I-10-100IN-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] 10" DIA. RLM REFLECTOR  
[MORE] WHITE POLYESTER POWDER COAT  
[LUMCAT] TRI-I-10-100IN-F05  
[LAMP] 100W FROSTED INCANDESCENT  
[LAMPCAT] A-19, E26 BASE

**CHARACTERISTICS**

Lumens Per Lamp	1700 (1 lamp)
Total Lamp Lumens	1700
Luminaire Lumens	1166
Total Luminaire Efficiency	69 %
Luminaire Efficacy Rating (LER)	12
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.50
Spacing Criteria (90-270)	1.50
Spacing Criteria (Diagonal)	1.50
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.81 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	9835	9671	9751
55	6671	6794	6627
65	4296	4398	4505
75	3174	3343	3434
85	2532	2736	2795

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	346.07	20.40	29.70
0-40	595.47	35.00	51.10
0-60	1015.65	59.70	87.10
0-90	1166.19	68.60	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	1166.19	68.60	100.00

Total Luminaire Efficiency = 68.60%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	38.92
10-20	116.82
20-30	190.33
30-40	249.40
40-50	250.86
50-60	169.32
60-70	90.99
70-80	46.30
80-90	13.26
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

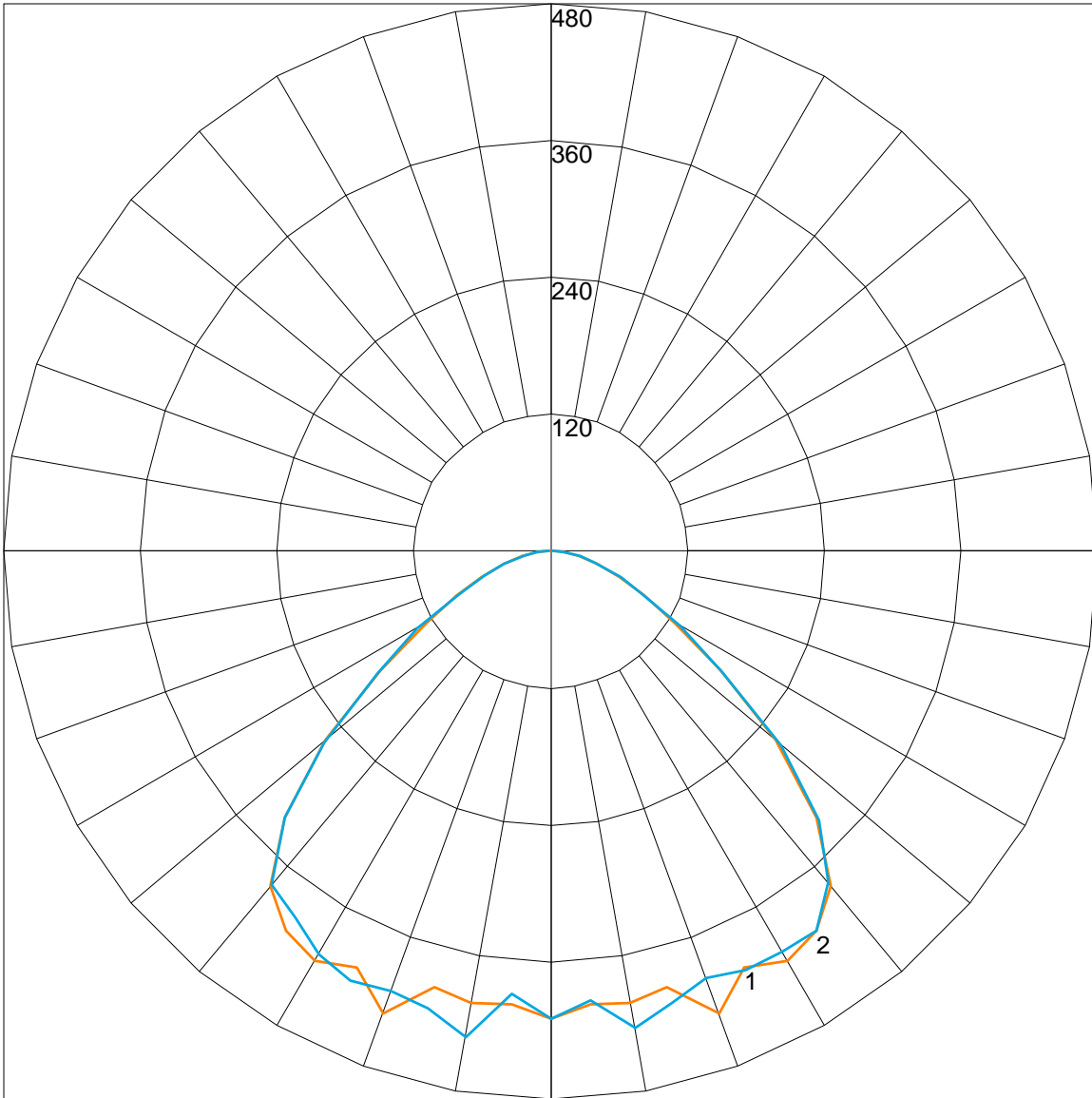
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC 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	82	82	82	82	80	80	80	80	76	76	76	73	73	73	70	70	70	69
1	75	73	70	68	74	71	69	66	68	66	64	65	64	62	63	62	61	59
2	69	64	60	56	67	63	59	56	60	57	54	58	55	53	56	54	52	50
3	64	57	52	48	62	56	51	47	54	50	46	52	48	45	50	47	45	43
4	58	51	45	41	57	50	45	40	48	44	40	47	43	39	45	42	39	37
5	54	45	40	35	52	45	39	35	43	38	35	42	38	34	41	37	34	33
6	50	41	35	31	48	40	35	31	39	34	31	38	34	30	37	33	30	29
7	46	37	31	27	45	37	31	27	36	31	27	35	30	27	34	30	27	25
8	43	34	28	24	42	34	28	24	33	28	24	32	27	24	31	27	24	23
9	40	31	26	22	39	31	25	22	30	25	22	29	25	22	29	25	22	20
10	38	29	23	20	37	28	23	20	28	23	20	27	23	20	26	22	20	18

POLAR GRAPH



Maximum Candela = 431.9 Located At Horizontal Angle = 180, Vertical Angle = 10  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)