

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TRI-I-18-100MH-F05.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] Photopia 2015.0.1  
[TESTLAB] TMS LIGHTING INC.  
[ISSUE DATE] Jan. 19, 2017  
[TEST DATE] Jan. 19, 2017  
[MANUFAC] TMS LIGHTING INC.  
[LUMCAT] TRISHA PENDANT  
[MORE] 18" DIA. RLM REFLECTOR  
[MORE] WHITE POLYESTER POWDER COAT  
[LUMINAIRE] TRI-I-18-100MH-F05  
[LAMP] 100W METAL HALIDE  
[LAMPCAT] E-17 LAMP, E-26 BASE

**CHARACTERISTICS**

Lumens Per Lamp	7700 (1 lamp)
Total Lamp Lumens	7700
Luminaire Lumens	5202
Total Luminaire Efficiency	68 %
Luminaire Efficacy Rating (LER)	48
Total Luminaire Watts	109
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.32
Spacing Criteria (90-270)	1.32
Spacing Criteria (Diagonal)	1.34
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.46 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	12028	12028	12028
55	8464	8464	8464
65	6223	6223	6223
75	4890	4890	4890
85	2963	2963	2963

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TRI-I-18-100MH-F05.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1687.47	21.90	32.40
0-40	2816.48	36.60	54.10
0-60	4523.58	58.70	87.00
0-90	5201.51	67.60	100.00
90-120	0.20	0.00	0.00
90-130	0.20	0.00	0.00
90-150	0.20	0.00	0.00
90-180	0.20	0.00	0.00
0-180	5201.72	67.60	100.00

Total Luminaire Efficiency = 67.60%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	197.25
10-20	579.93
20-30	910.30
30-40	1129.00
40-50	1018.95
50-60	688.16
60-70	414.47
70-80	210.71
80-90	52.75
90-100	0.20
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

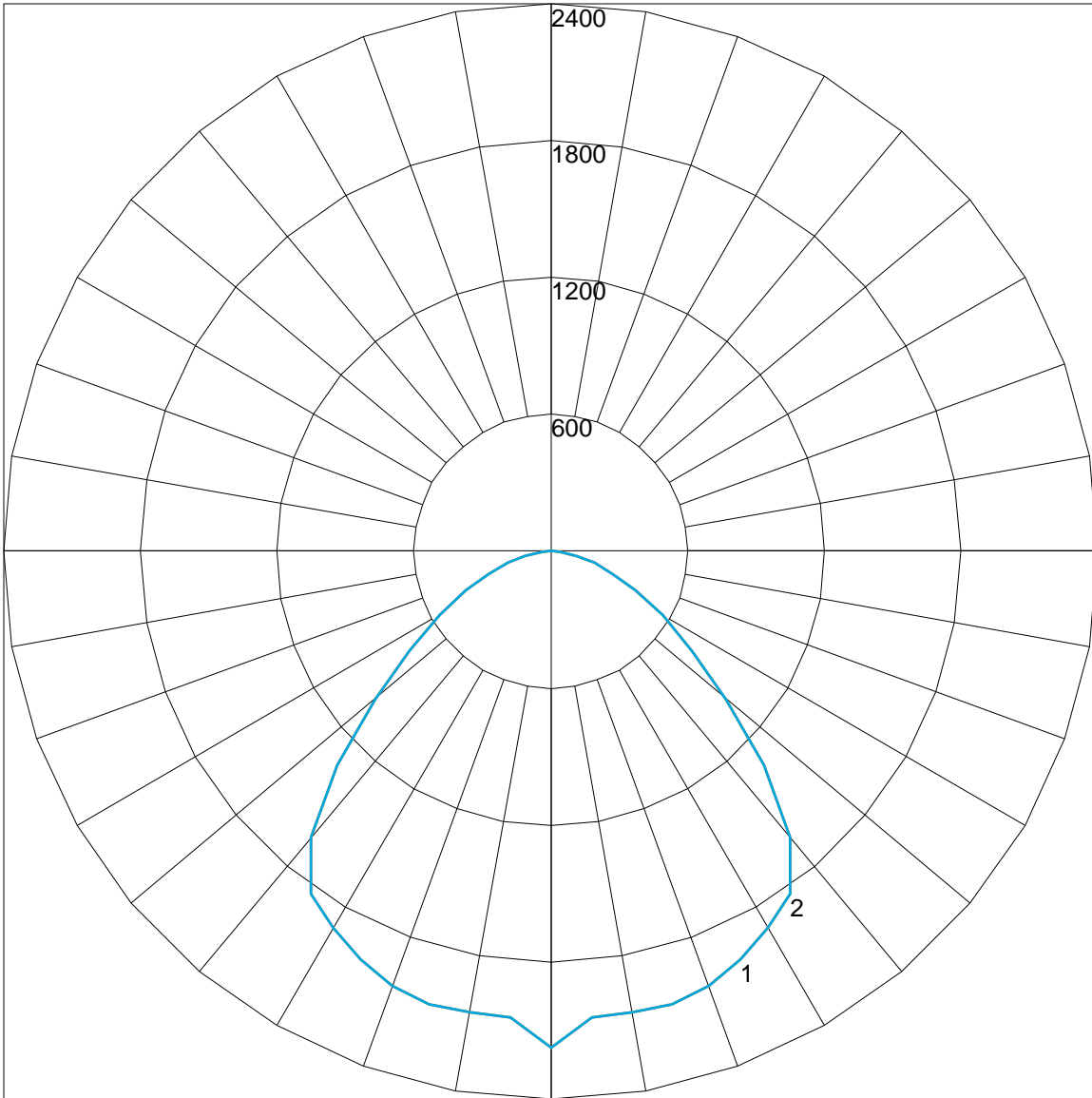
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TRI-I-18-100MH-F05.IES**

**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	80	80	80	80	79	79	79	79	75	75	75	72	72	72	69	69	69	68	68
1	74	72	69	67	73	70	68	66	67	65	64	65	63	62	62	61	60	58	58
2	68	63	59	56	67	62	58	55	60	57	54	58	55	53	56	53	52	50	50
3	63	56	51	47	61	55	51	47	53	49	46	52	48	45	50	47	45	43	43
4	58	50	45	41	56	50	45	41	48	44	40	46	43	40	45	42	39	38	38
5	54	45	40	36	52	45	39	35	43	39	35	42	38	35	41	37	34	33	33
6	50	41	35	31	48	41	35	31	39	35	31	38	34	31	37	33	31	29	29
7	46	37	32	28	45	37	32	28	36	31	28	35	31	27	34	30	27	26	26
8	43	34	29	25	42	34	29	25	33	28	25	32	28	25	31	27	25	23	23
9	40	32	26	23	39	31	26	23	30	26	22	30	25	22	29	25	22	21	21
10	38	29	24	21	37	29	24	21	28	24	20	28	23	20	27	23	20	19	19

POLAR GRAPH



Maximum Candela = 2176.56 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)