

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] Photopia 2015.0.1
[TESTLAB] TMS LIGHTING INC.
[ISSUE DATE] Jan. 18, 2017
[TEST DATE] Jan. 18, 2017
[MANUFAC] TMS LIGHTING INC.
[LUMCAT] TRISHA PENDANT
[MORE] 12" DIA. RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMINAIRE] TRI-I-12-100MH-F05
[LAMP] 100W METAL HALIDE
[LAMP CAT] E-17 LAMP, E-26 BASE

CHARACTERISTICS

Lumens Per Lamp	7700 (1 lamp)
Total Lamp Lumens	7700
Luminaire Lumens	5512
Total Luminaire Efficiency	72 %
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	109
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	12619	10722	12556
55	8933	7216	9010
65	5469	4426	5584
75	2695	1952	2674
85	644	397	533

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1525.89	19.80	27.70
0-40	2565.13	33.30	46.50
0-60	4596.01	59.70	83.40
0-90	5510.88	71.60	100.00
90-120	1.31	0.00	0.00
90-130	1.31	0.00	0.00
90-150	1.31	0.00	0.00
90-180	1.31	0.00	0.00
0-180	5512.2	71.60	100.00

Total Luminaire Efficiency = 71.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	178.47
10-20	523.53
20-30	823.89
30-40	1039.23
40-50	1114.83
50-60	916.06
60-70	581.33
70-80	271.39
80-90	62.15
90-100	1.31
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

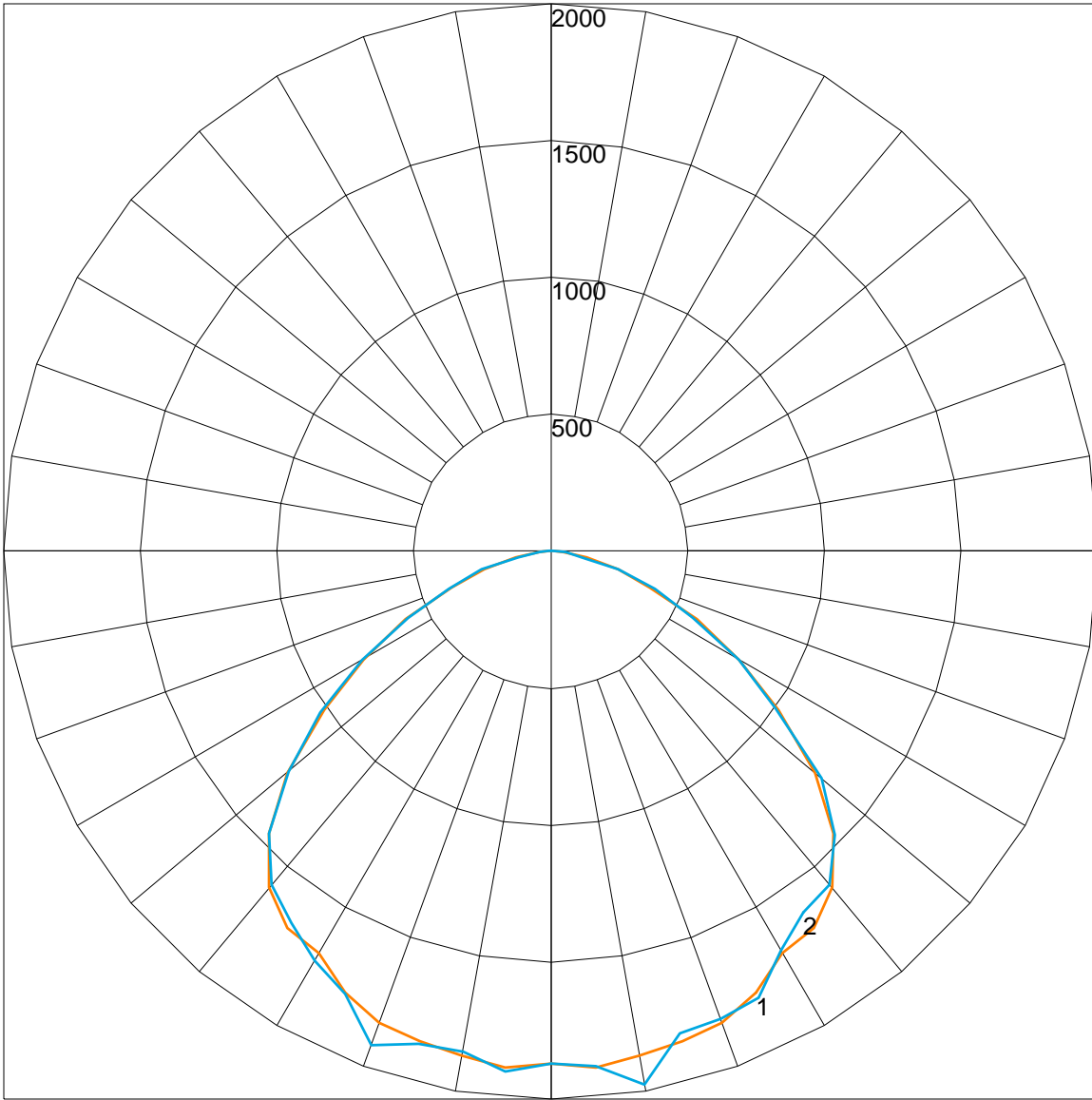
IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-12-100MH-F05.IES

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	
0	85	85	85	85	83	83	83	83	80	80	80	76	76	76	73	73	73	72
1	78	75	72	70	76	74	71	69	70	68	66	68	66	64	65	64	62	61
2	72	66	61	57	70	65	60	57	62	58	55	60	57	54	58	55	53	51
3	65	58	52	48	64	57	52	47	55	50	47	53	49	46	51	48	45	43
4	60	51	45	41	58	51	45	40	49	44	40	47	43	39	46	42	39	37
5	55	46	40	35	54	45	39	35	44	38	34	42	38	34	41	37	34	32
6	51	41	35	31	49	41	35	30	39	34	30	38	33	30	37	33	30	28
7	47	37	31	27	46	37	31	27	36	30	27	35	30	26	34	29	26	25
8	44	34	28	24	43	34	28	24	33	27	24	32	27	24	31	27	23	22
9	41	31	25	21	40	31	25	21	30	25	21	29	25	21	29	24	21	20
10	38	29	23	19	37	28	23	19	28	23	19	27	22	19	26	22	19	18

POLAR GRAPH



Maximum Candela = 1977.45 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)