

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-20-100MH-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] 20" DIA. RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMINAIRE] TRI-I-20-100MH-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	5253
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)	1.32
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.64 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	9225	9225	9225
55	6510	6510	6510
65	4765	4765	4765
75	3587	3587	3587
85	1802	1802	1802

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1787.86	23.20	34.00
0-40	2940.14	38.20	56.00
0-60	4608.43	59.80	87.70
0-90	5252.87	68.20	100.00
90-120	0.02	0.00	0.00
90-130	0.02	0.00	0.00
90-150	0.02	0.00	0.00
90-180	0.02	0.00	0.00
0-180	5252.89	68.20	100.00

Total Luminaire Efficiency = 68.20%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	213.45
10-20	617.21
20-30	957.20
30-40	1152.28
40-50	998.67
50-60	669.62
60-70	403.28
70-80	197.17
80-90	43.99
90-100	0.02
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

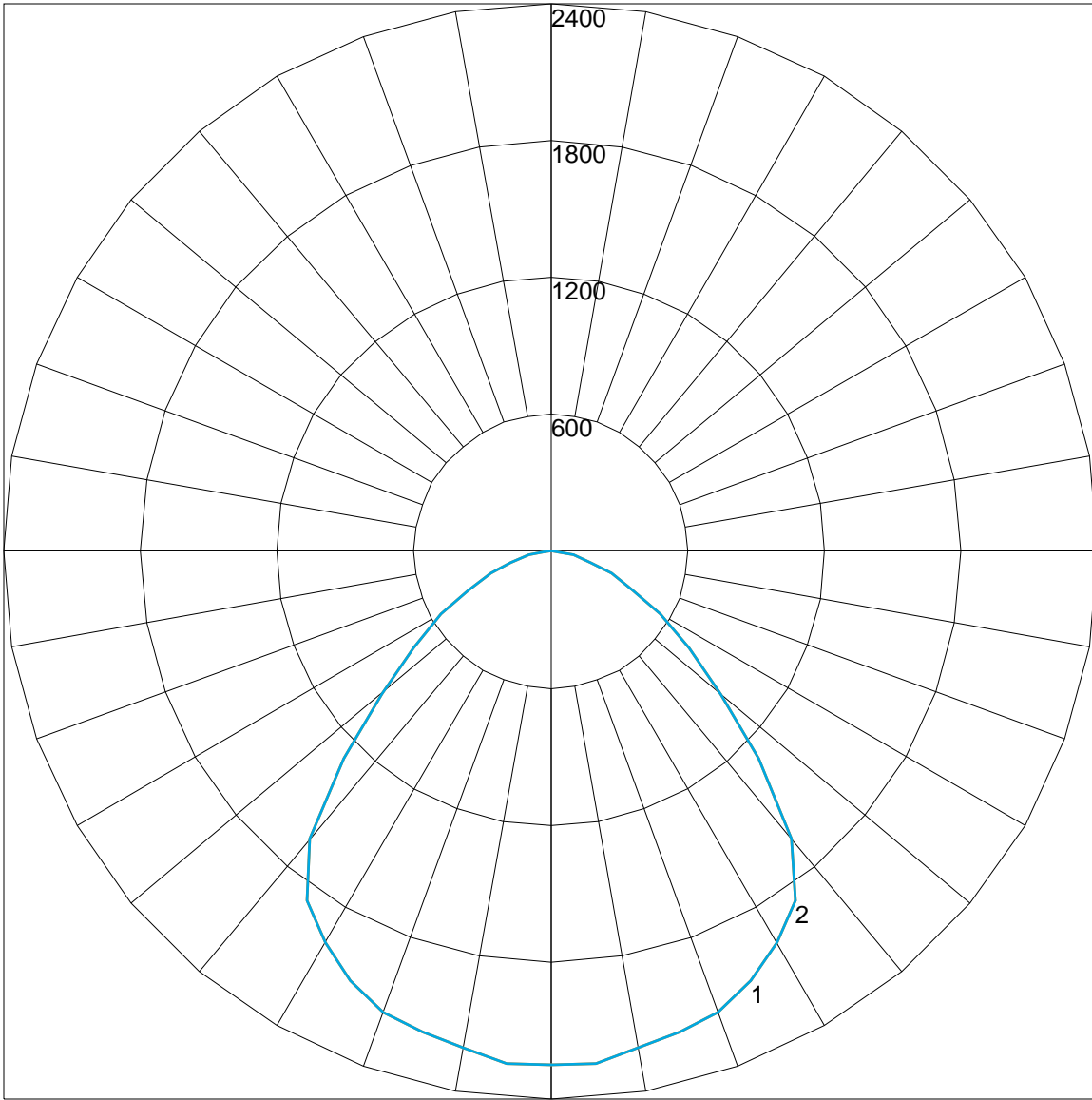
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
0	81	81	81	81	79	79	79	79	76	76	76	73	73	73	70	70	70	68
1	75	72	70	68	73	71	69	67	68	66	65	65	64	63	63	62	61	59
2	69	64	60	57	68	63	59	56	61	58	55	59	56	54	57	54	52	51
3	64	57	52	48	62	56	52	48	54	50	47	53	49	46	51	48	46	44
4	59	51	46	42	57	51	46	42	49	45	41	47	44	41	46	43	40	39
5	54	46	41	37	53	46	40	36	44	40	36	43	39	36	42	38	35	34
6	51	42	36	32	49	41	36	32	40	36	32	39	35	32	38	34	31	30
7	47	38	33	29	46	38	33	29	37	32	29	36	32	28	35	31	28	27
8	44	35	30	26	43	35	30	26	34	29	26	33	29	26	32	28	25	24
9	41	32	27	24	40	32	27	23	31	27	23	31	26	23	30	26	23	22
10	39	30	25	21	38	30	25	21	29	24	21	28	24	21	28	24	21	20

POLAR GRAPH



Maximum Candela = 2251.92 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)