

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-18-70MH-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-18-70MH-F05
[LAMP] 70W METAL HALIDE
[LAMP CAT] E-17 LAMP, E-26 BASE

CHARACTERISTICS

Lumens Per Lamp	5500 (1 lamp)
Total Lamp Lumens	5500
Luminaire Lumens	3716
Total Luminaire Efficiency	68 %
Luminaire Efficacy Rating (LER)	47
Total Luminaire Watts	79
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	8591	8591	8591
55	6046	6046	6046
65	4445	4445	4445
75	3493	3493	3493
85	2116	2116	2116

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1205.34	21.90	32.40
0-40	2011.77	36.60	54.10
0-60	3231.13	58.70	87.00
0-90	3715.37	67.60	100.00
90-120	0.15	0.00	0.00
90-130	0.15	0.00	0.00
90-150	0.15	0.00	0.00
90-180	0.15	0.00	0.00
0-180	3715.52	67.60	100.00

Total Luminaire Efficiency = 67.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	140.89
10-20	414.23
20-30	650.21
30-40	806.43
40-50	727.82
50-60	491.55
60-70	296.05
70-80	150.51
80-90	37.68
90-100	0.15
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

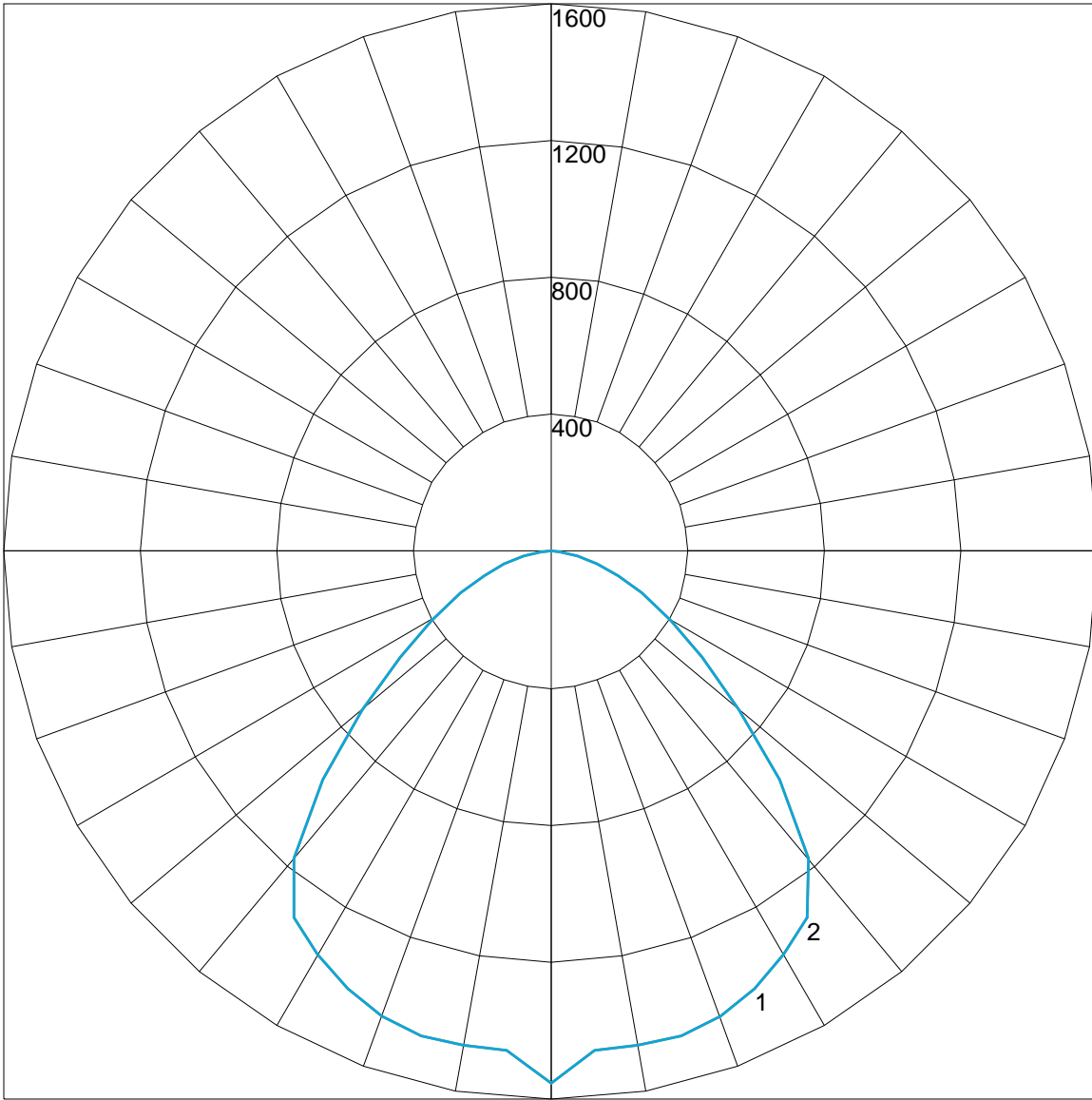
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 1554.69 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)