

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-10-70MH-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] 10" DIA. RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMINAIRE] TRI-I-10-70MH-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	3619
Total Luminaire Efficiency	66 %
Luminaire Efficacy Rating (LER)	46
Total Luminaire Watts	79
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.34
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)	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	26473	26763	26556
55	17972	18044	17938
65	13319	13006	12717
75	10412	10781	10440
85	7601	7531	7814

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1225.98	22.30	33.90
0-40	2031.6	36.90	56.10
0-60	3172.47	57.70	87.70
0-90	3618.52	65.80	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	3618.52	65.80	100.00

Total Luminaire Efficiency = 65.80%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.17
10-20	419.26
20-30	665.54
30-40	805.63
40-50	695.35
50-60	445.52
60-70	267.08
70-80	139.74
80-90	39.23
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

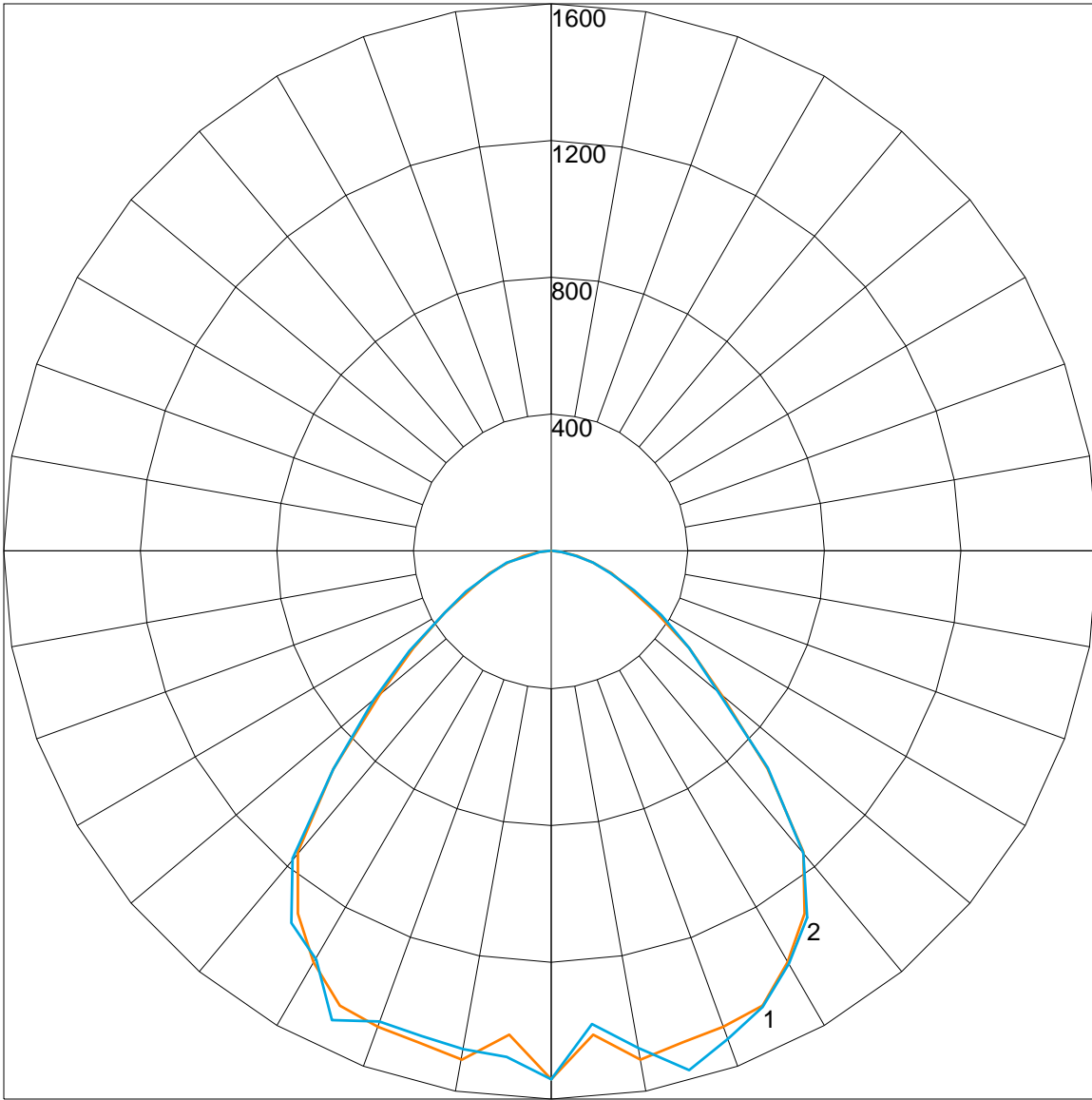
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	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	78	78	78	78	77	77	77	77	73	73	73	70	70	70	67	67	67	66
1	73	70	67	65	71	68	66	64	66	64	62	63	62	60	61	60	58	57
2	67	62	58	55	65	61	57	54	59	55	53	56	54	52	54	52	51	49
3	62	55	51	47	60	54	50	46	52	49	45	51	47	45	49	46	44	43
4	57	50	44	40	55	49	44	40	47	43	40	46	42	39	44	41	39	37
5	53	45	39	35	51	44	39	35	43	38	35	41	38	34	40	37	34	33
6	49	41	35	31	48	40	35	31	39	34	31	38	34	31	37	33	30	29
7	45	37	32	28	44	37	31	28	36	31	28	35	30	27	34	30	27	26
8	42	34	29	25	41	33	28	25	33	28	25	32	28	25	31	27	25	23
9	40	31	26	23	39	31	26	23	30	26	22	29	25	22	29	25	22	21
10	37	29	24	21	36	29	24	21	28	24	20	27	23	20	27	23	20	19

POLAR GRAPH



Maximum Candela = 1568.72 Located At Horizontal Angle = 0, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)