

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-15-70MH-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] 15" DIA. RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMINAIRE] TRI-I-15-70MH-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	3983
Total Luminaire Efficiency	72 %
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	79
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.70
Spacing Criteria (90-270)	1.74
Spacing Criteria (Diagonal)	1.68
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.25 ft
Luminous Width (90-270)	1.25 ft
Luminous Height	1.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6526	5332	6390
55	4851	3745	4607
65	2049	1509	1971
75	1080	793	1053
85	282	208	300

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	970.61	17.60	24.40
0-40	1786.75	32.50	44.90
0-60	3419.59	62.20	85.80
0-90	3983.41	72.40	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	3983.41	72.40	100.00

Total Luminaire Efficiency = 72.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.28
10-20	314.82
20-30	551.50
30-40	816.14
40-50	910.84
50-60	722.01
60-70	345.54
70-80	171.82
80-90	46.46
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

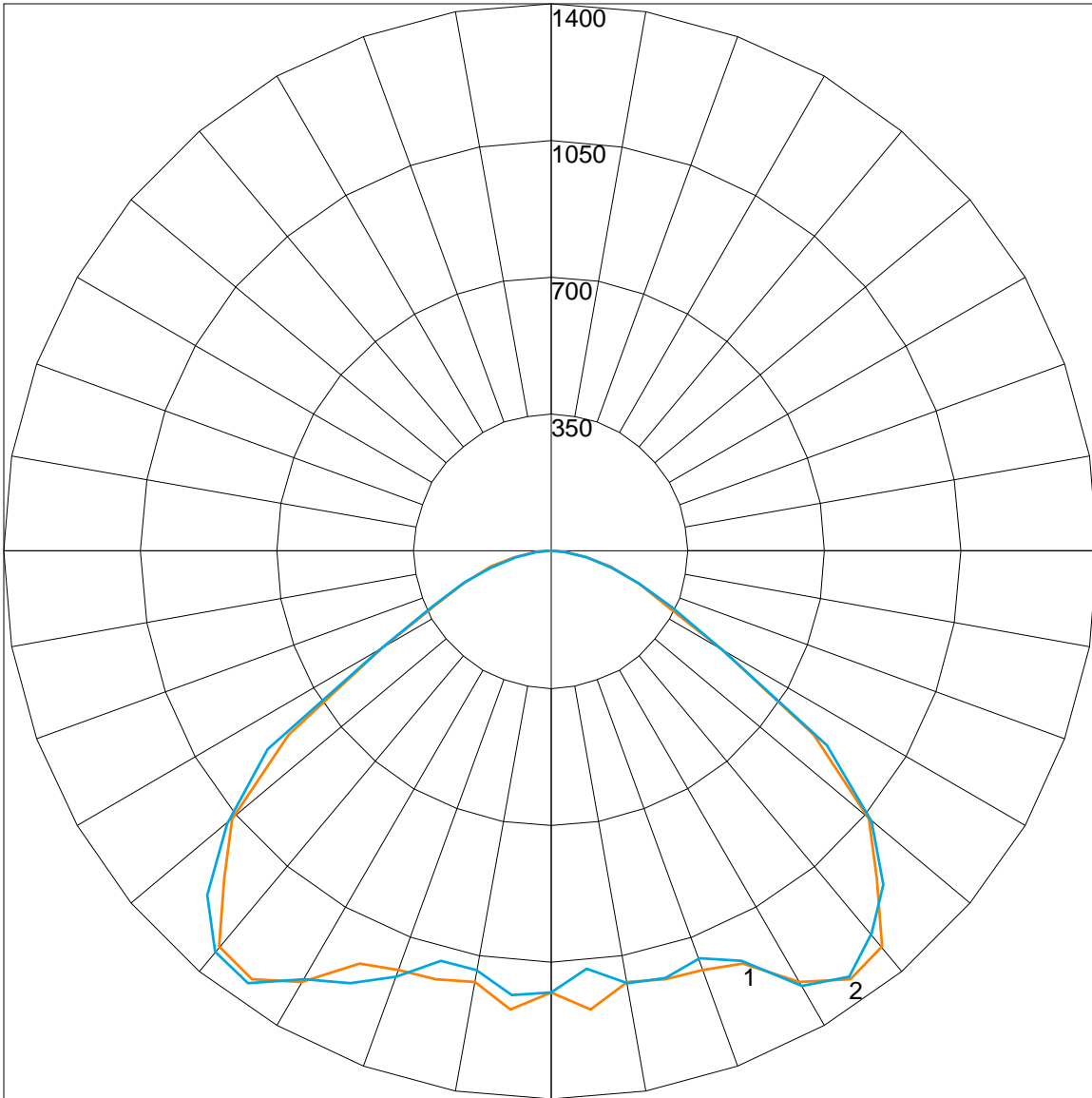
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
0	86	86	86	86	84	84	84	84	80	80	80	77	77	77	74	74	74	72
1	79	76	73	71	77	74	72	69	71	69	67	69	67	65	66	65	63	62
2	72	67	62	58	71	65	61	57	63	59	56	60	57	55	58	56	54	52
3	66	59	53	48	64	58	52	48	55	51	47	53	50	46	52	48	46	44
4	60	52	46	41	59	51	45	41	49	44	40	47	43	40	46	42	39	37
5	55	46	40	35	54	45	39	35	44	39	34	42	38	34	41	37	34	32
6	51	41	35	30	50	41	35	30	39	34	30	38	33	30	37	33	29	28
7	47	37	31	27	46	37	31	26	36	30	26	35	30	26	34	29	26	24
8	44	34	28	23	43	33	27	23	32	27	23	31	27	23	31	26	23	22
9	41	31	25	21	40	30	25	21	30	24	21	29	24	21	28	24	20	19
10	38	28	23	19	37	28	22	19	27	22	19	27	22	18	26	22	18	17

POLAR GRAPH



Maximum Candela = 1350.07 Located At Horizontal Angle = 180, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)