

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-15-100MH-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] 15" DIA. RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMINAIRE] TRI-I-15-100MH-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	5577
Total Luminaire Efficiency	72 %
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	109
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.70
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	9136	7465	8946
55	6791	5243	6450
65	2869	2113	2759
75	1512	1110	1474
85	395	291	420

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1358.85	17.60	24.40
0-40	2501.45	32.50	44.90
0-60	4787.43	62.20	85.80
0-90	5576.77	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	5576.77	72.40	100.00

Total Luminaire Efficiency = 72.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	146.00
10-20	440.75
20-30	772.10
30-40	1142.6
40-50	1275.17
50-60	1010.81
60-70	483.76
70-80	240.54
80-90	65.04
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

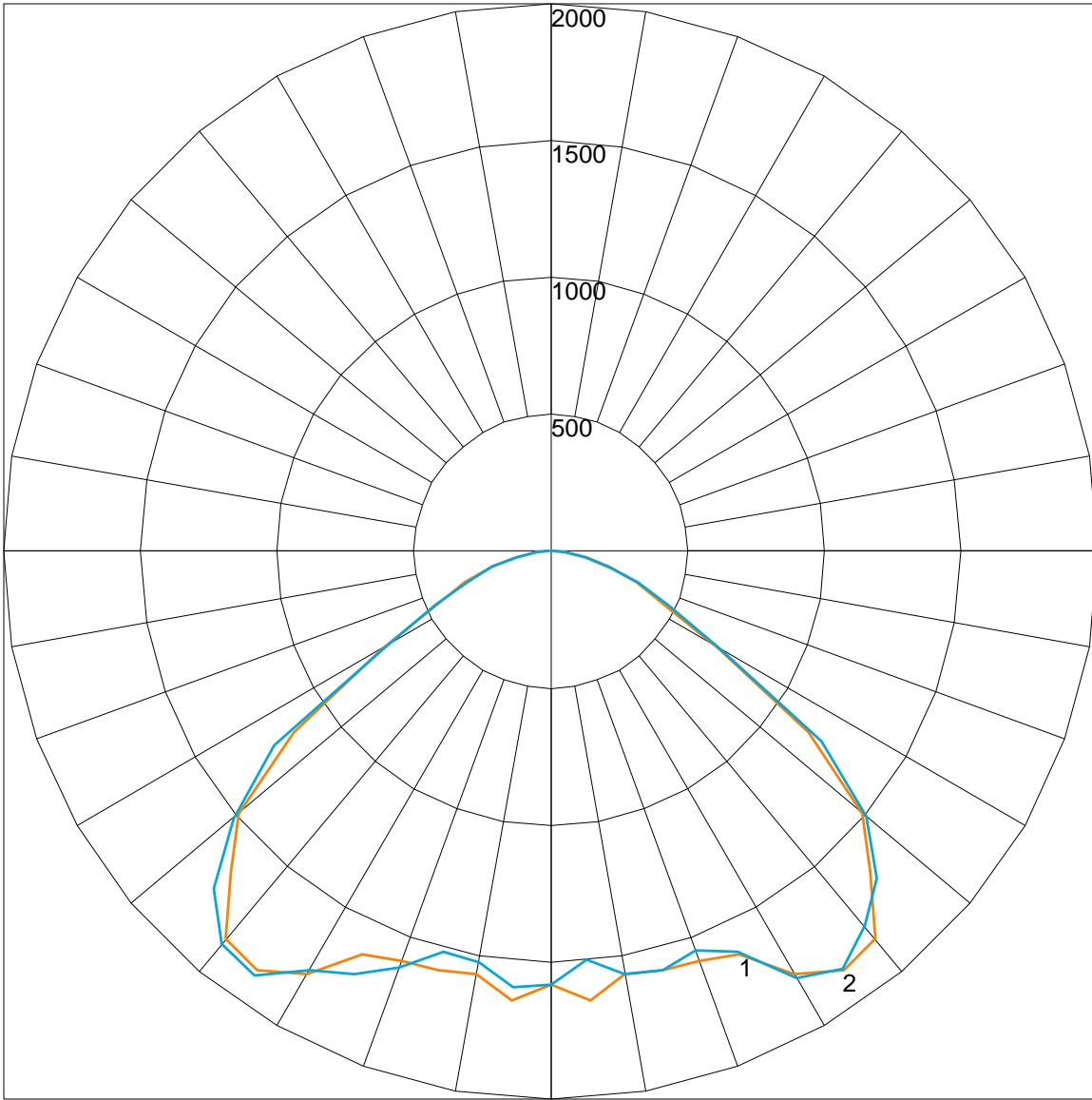
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 1890.1 Located At Horizontal Angle = 180, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)