

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-15-100IN-F05.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] Photopia 2015.0.1
[TESTLAB] TMS LIGHTING INC.
[TESTDATE] Jan. 19, 2017
[ISSUE DATE] Jan. 19, 2017
[MANUFAC] TMS LIGHTING INC.
[LUMINAIRE] TRISHA PENDANT
[MORE] 15" DIA. RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMCAT] TRI-I-15-100IN-F05
[LAMP] 100W FROSTED INCANDESCENT
[LAMPCAT] A-19, E26 BASE

CHARACTERISTICS

Lumens Per Lamp	1700 (1 lamp)
Total Lamp Lumens	1700
Luminaire Lumens	1236
Total Luminaire Efficiency	73 %
Luminaire Efficacy Rating (LER)	12
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.50
Spacing Criteria (90-270)	1.52
Spacing Criteria (Diagonal)	1.64
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.25 ft (Diameter)
Luminous Width (90-270)	1.25 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	4216	4076	4161
55	4003	4101	4016
65	3253	3292	3274
75	2391	2572	2590
85	1947	1785	1883

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	280.64	16.50	22.70
0-40	493.09	29.00	39.90
0-60	977.03	57.50	79.10
0-90	1235.54	72.70	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	1235.54	72.70	100.00

Total Luminaire Efficiency = 72.70%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	31.86
10-20	94.26
20-30	154.52
30-40	212.45
40-50	251.54
50-60	232.41
60-70	155.85
70-80	79.70
80-90	22.97
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

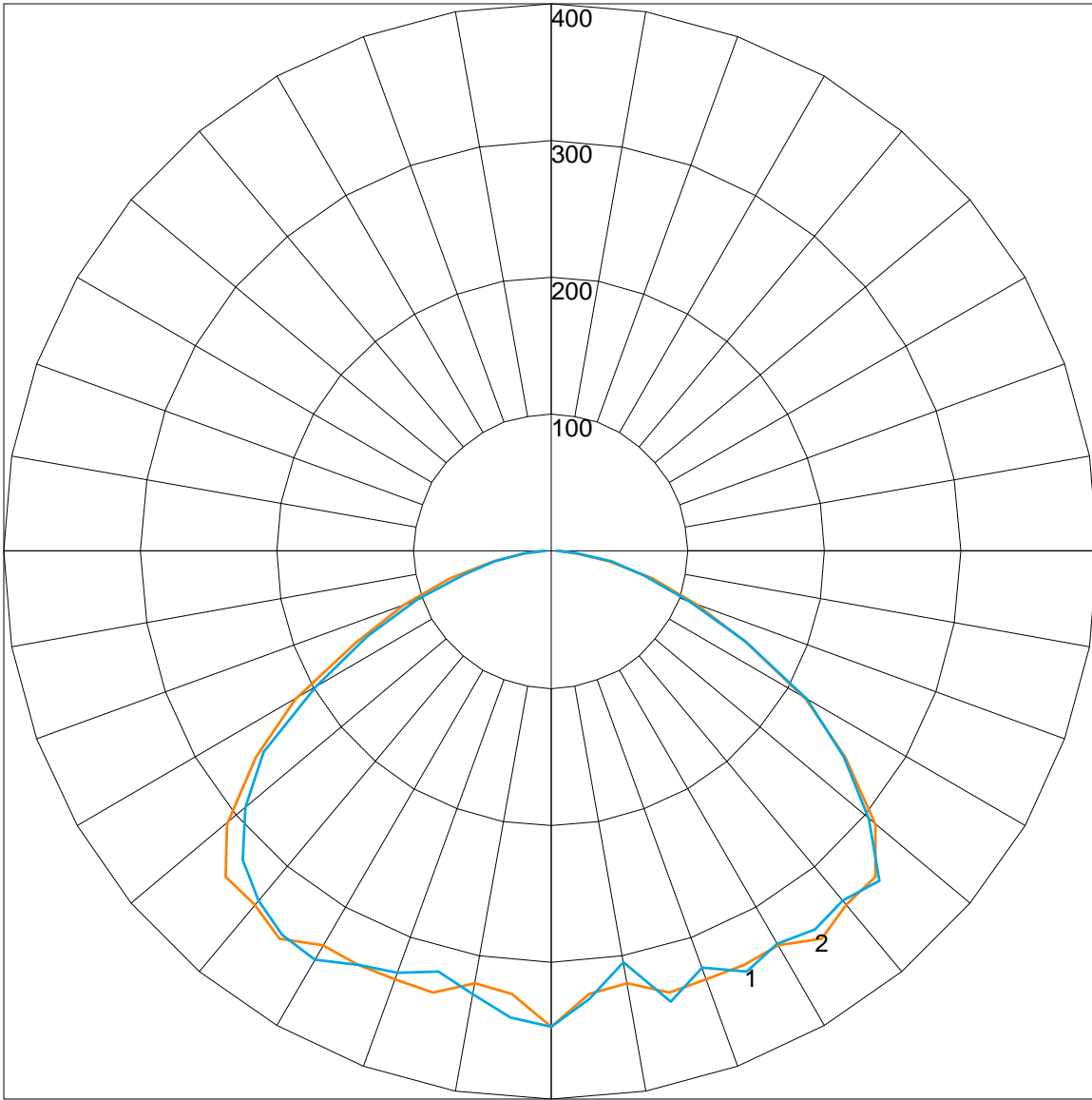
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	87	87	87	87	85	85	85	85	81	81	81	77	77	77	74	74	74	73
1	79	75	72	69	77	74	71	68	71	68	66	68	66	64	65	64	62	61
2	71	65	60	56	70	64	59	55	61	57	54	59	56	53	57	54	52	50
3	65	57	51	46	63	56	50	46	54	49	45	52	47	44	50	46	43	42
4	59	50	43	38	57	49	43	38	47	42	38	46	41	37	44	40	37	35
5	54	44	38	33	53	44	37	32	42	36	32	41	36	32	39	35	31	30
6	50	40	33	28	48	39	33	28	38	32	28	36	31	28	35	31	27	26
7	46	36	29	25	45	35	29	24	34	28	24	33	28	24	32	27	24	22
8	43	32	26	22	41	32	26	22	31	25	21	30	25	21	29	25	21	20
9	40	30	23	19	39	29	23	19	28	23	19	27	23	19	27	22	19	18
10	37	27	21	17	36	27	21	17	26	21	17	25	20	17	25	20	17	16

POLAR GRAPH



Maximum Candela = 354.12 Located At Horizontal Angle = 157.5, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)