

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-18-42CF-F05.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[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] 18" DIAMETER RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMCAT] TRI-I-18-42CF-F05
[LAMP] Fluor. 42W PL-T triple tube
[LAMPCAT] PL-T 42W/840/4P

CHARACTERISTICS

Lumens Per Lamp	3200 (1 lamp)
Total Lamp Lumens	3200
Luminaire Lumens	2341
Total Luminaire Efficiency	73 %
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	46
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.10
Spacing Criteria (90-270)	1.10
Spacing Criteria (Diagonal)	1.16
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	4494	4517	4590
55	3013	3003	2908
65	2392	2371	2423
75	1886	1953	1783
85	924	1048	1186

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	929.79	29.10	39.70
0-40	1449.55	45.30	61.90
0-60	2081.41	65.00	88.90
0-90	2340.67	73.10	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	2340.67	73.10	100.00

Total Luminaire Efficiency = 73.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.25
10-20	333.10
20-30	475.44
30-40	519.76
40-50	390.48
50-60	241.38
60-70	156.53
70-80	82.82
80-90	19.91
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

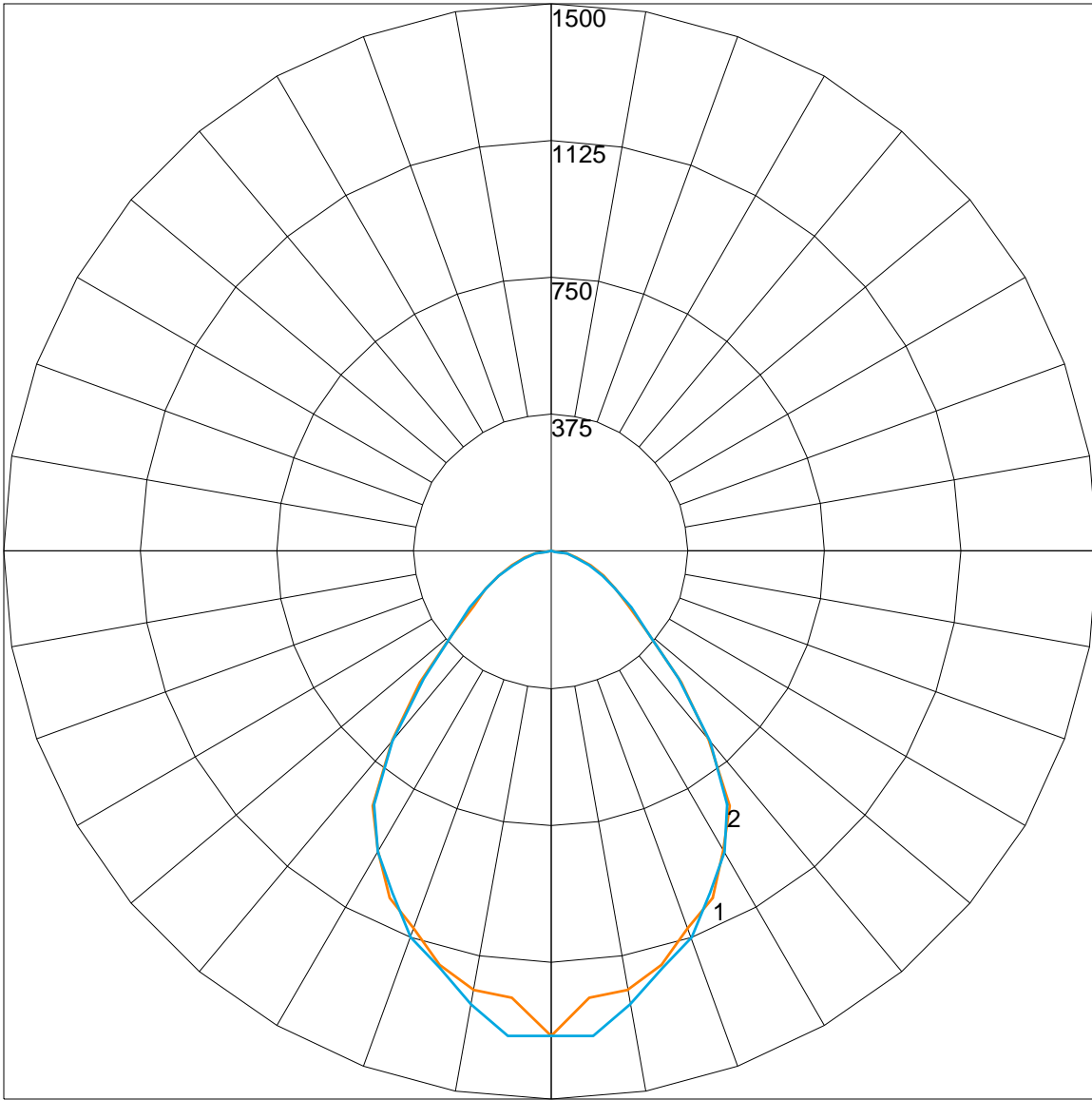
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	87	87	87	87	85	85	85	85	81	81	81	78	78	78	75	75	75	73
1	81	78	76	73	79	76	74	72	73	72	70	71	69	68	68	67	66	64
2	75	70	66	62	73	69	65	61	66	63	60	64	61	59	62	59	57	56
3	69	63	58	54	68	62	57	53	60	56	52	58	54	51	56	53	51	49
4	64	57	51	47	63	56	51	47	54	50	46	52	49	45	51	48	45	43
5	60	52	46	42	58	51	45	41	49	45	41	48	44	41	47	43	40	39
6	56	47	41	37	54	46	41	37	45	40	37	44	40	36	43	39	36	35
7	52	43	37	33	51	43	37	33	42	37	33	41	36	33	40	36	33	31
8	49	40	34	30	48	39	34	30	38	34	30	38	33	30	37	33	30	29
9	46	37	31	28	45	36	31	28	36	31	28	35	31	27	34	30	27	26
10	43	34	29	25	42	34	29	25	33	29	25	33	28	25	32	28	25	24

POLAR GRAPH



Maximum Candela = 1333.65 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)