

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-15-42CF-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] 15" DIAMETER REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMCAT] TRI-I-15-42CF-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	2497
Total Luminaire Efficiency	78 %
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	47
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.14
Spacing Criteria (90-270)	1.14
Spacing Criteria (Diagonal)	1.32
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.84 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	17361	17359	17682
55	14897	14908	15025
65	11120	11110	11083
75	8085	8085	7760
85	5986	5730	6062

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	749.58	23.40	30.00
0-40	1223.37	38.20	49.00
0-60	2103.03	65.70	84.20
0-90	2496.34	78.00	100.00
90-120	0.60	0.00	0.00
90-130	0.63	0.00	0.00
90-150	0.79	0.00	0.00
90-180	1.00	0.00	0.00
0-180	2497.34	78.00	100.00

Total Luminaire Efficiency = 78.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.88
10-20	265.52
20-30	386.17
30-40	473.80
40-50	486.65
50-60	393.01
60-70	244.69
70-80	116.28
80-90	32.34
90-100	0.57
100-110	0.01
110-120	0.02
120-130	0.04
130-140	0.06
140-150	0.09
150-160	0.10
160-170	0.08
170-180	0.04

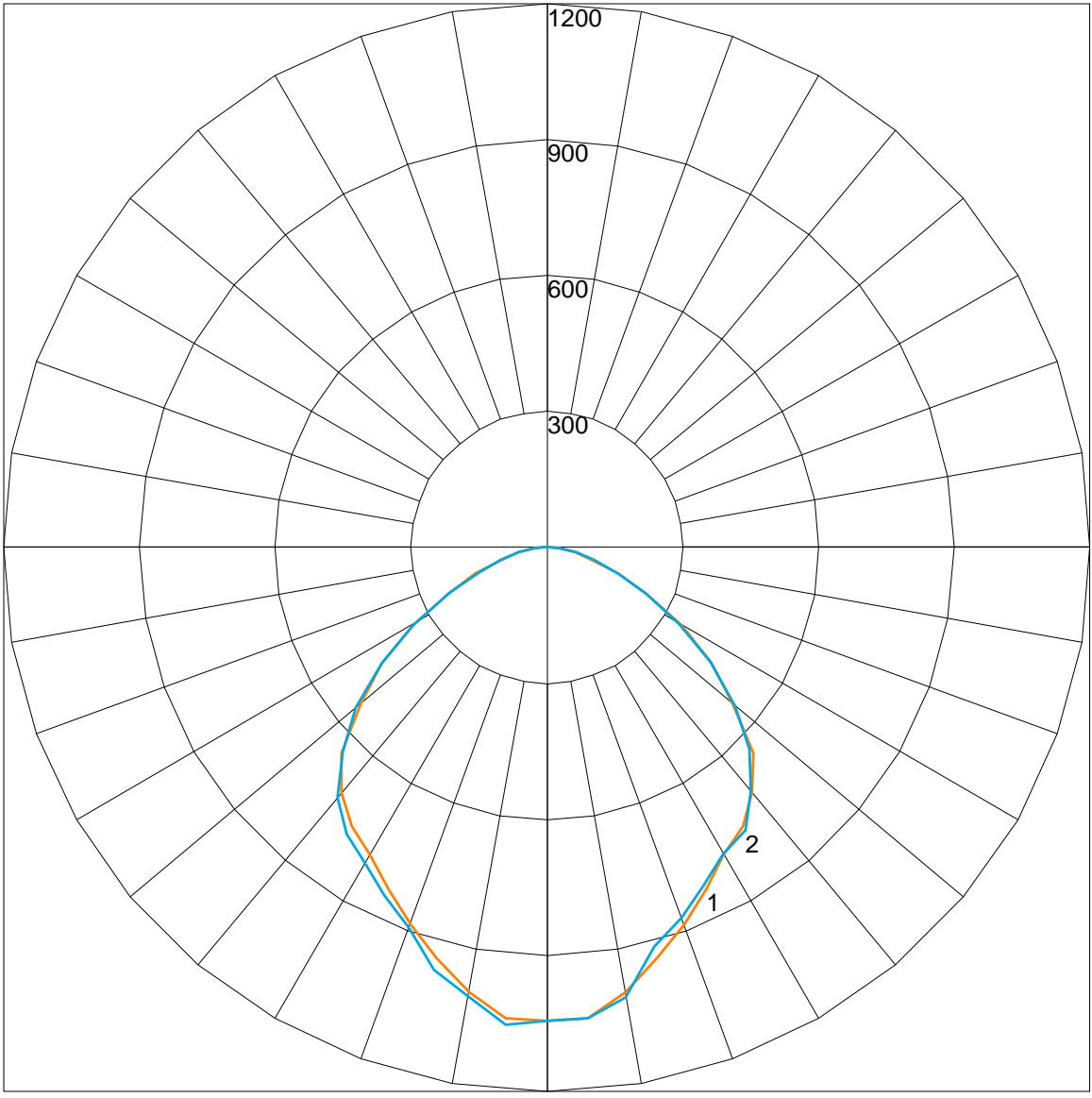
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	93	93	93	91	91	91	91	87	87	87	83	83	83	80	80	80	78
1	86	82	79	76	83	80	78	75	77	75	73	74	72	70	71	70	68	67
2	78	72	67	63	76	71	66	62	68	64	61	66	62	59	63	61	58	57
3	72	64	58	53	70	63	57	53	60	56	52	58	54	51	56	53	50	48
4	66	57	50	45	64	56	50	45	54	49	44	52	48	44	50	47	43	42
5	61	51	44	39	59	50	44	39	49	43	39	47	42	38	46	41	38	36
6	56	46	39	34	55	45	39	34	44	38	34	43	38	34	41	37	33	32
7	52	42	35	31	51	41	35	30	40	34	30	39	34	30	38	33	30	28
8	49	38	32	27	47	38	32	27	37	31	27	36	31	27	35	30	27	25
9	45	35	29	25	44	35	29	25	34	28	24	33	28	24	32	28	24	23
10	43	32	26	22	42	32	26	22	31	26	22	31	26	22	30	25	22	21

POLAR GRAPH



Maximum Candela = 1056.37 Located At Horizontal Angle = 180, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)