

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-20-42CF-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] 20" DIAMETER RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMCAT] TRI-I-20-42CF-F05
[LAMP] Fluor. 42W PL-T triple tube
[LAMP CAT] PL-T 42W/840/4P

CHARACTERISTICS

Lumens Per Lamp	3200 (1 lamp)
Total Lamp Lumens	3200
Luminaire Lumens	2206
Total Luminaire Efficiency	69 %
Luminaire Efficacy Rating (LER)	48
Total Luminaire Watts	46
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.34
Spacing Criteria (90-270)	1.34
Spacing Criteria (Diagonal)	1.40
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.64 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	4064	4064	4064
55	3419	3419	3419
65	2510	2510	2510
75	1666	1666	1666
85	869	869	869

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	662.57	20.70	30.00
0-40	1102.59	34.50	50.00
0-60	1883.9	58.90	85.40
0-90	2205.69	68.90	100.00
90-120	0.06	0.00	0.00
90-130	0.06	0.00	0.00
90-150	0.06	0.00	0.00
90-180	0.06	0.00	0.00
0-180	2205.75	68.90	100.00

Total Luminaire Efficiency = 68.90%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	80.35
10-20	229.71
20-30	352.51
30-40	440.02
40-50	436.21
50-60	345.11
60-70	208.38
70-80	92.22
80-90	21.19
90-100	0.06
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

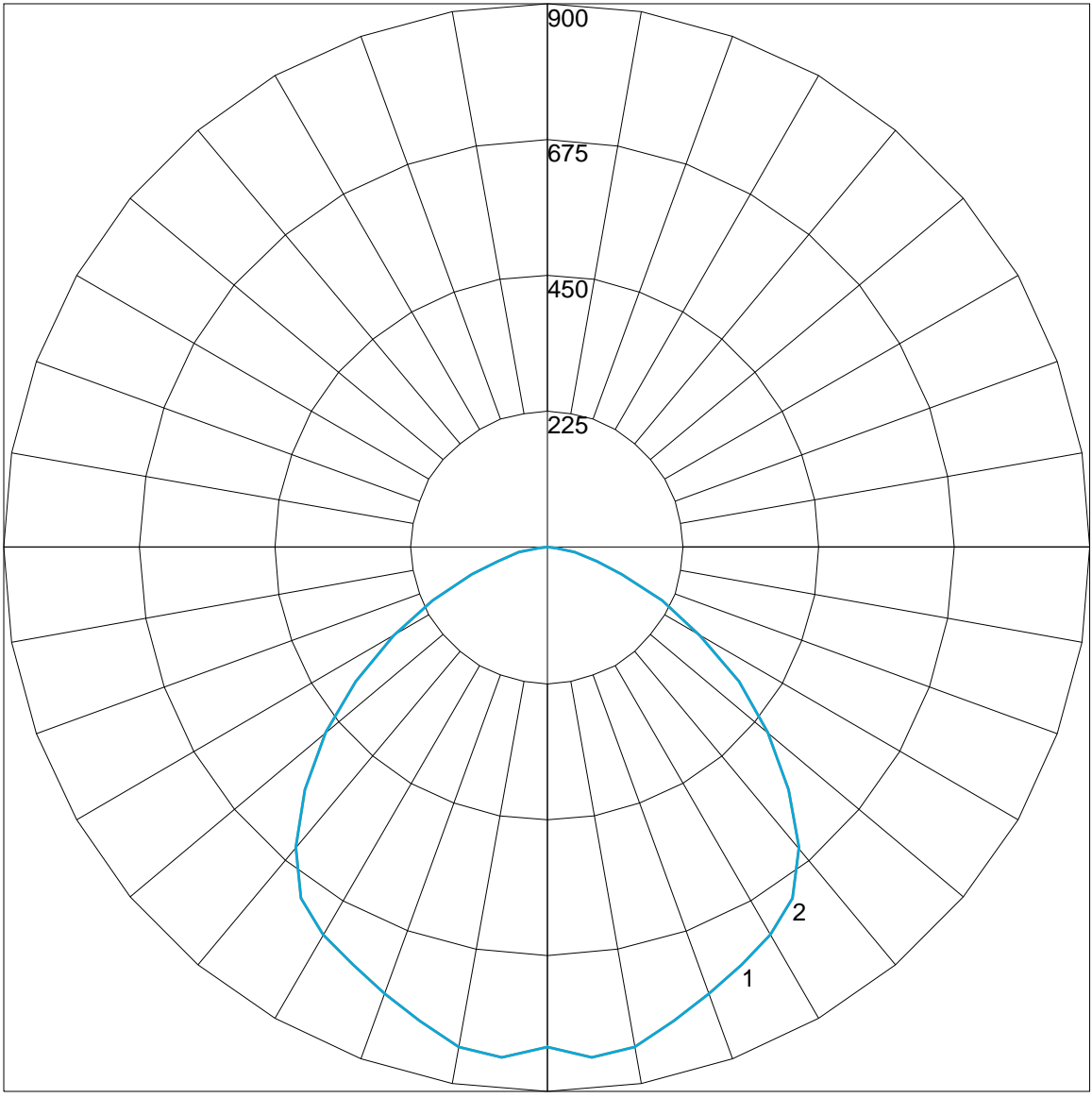
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	82	82	82	82	80	80	80	80	77	77	77	73	73	73	70	70	70	69
1	76	73	70	68	74	71	69	67	68	66	64	66	64	63	63	62	61	59
2	69	64	60	56	68	63	59	55	60	57	54	58	55	53	56	54	52	50
3	64	57	51	47	62	56	51	47	54	49	46	52	48	45	50	47	44	43
4	58	51	45	40	57	50	44	40	48	43	40	46	42	39	45	41	39	37
5	54	45	39	35	52	45	39	35	43	38	34	42	37	34	41	37	34	32
6	50	41	35	31	48	40	35	31	39	34	30	38	33	30	37	33	30	28
7	46	37	31	27	45	37	31	27	36	31	27	35	30	27	34	30	27	25
8	43	34	28	24	42	33	28	24	33	28	24	32	27	24	31	27	24	23
9	40	31	26	22	39	31	25	22	30	25	22	29	25	22	29	24	21	20
10	38	29	23	20	37	28	23	20	28	23	20	27	23	20	26	22	20	18

POLAR GRAPH



Maximum Candela = 847.4 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)