

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-20-100IN-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] 20" DIA. RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LUMCAT] TRI-I-20-100IN-F05
[LAMP] 100W INCANDESCENT
[LAMPCAT] A-19, E26 BASE

CHARACTERISTICS

Lumens Per Lamp	1700 (1 lamp)
Total Lamp Lumens	1700
Luminaire Lumens	1117
Total Luminaire Efficiency	66 %
Luminaire Efficacy Rating (LER)	11
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.04
Spacing Criteria (90-270)	1.04
Spacing Criteria (Diagonal)	1.10
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.64 ft (Diameter)
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	1343	1343	1343
55	1042	1042	1042
65	856	856	856
75	655	655	655
85	282	282	282

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	491.43	28.90	44.00
0-40	740.54	43.60	66.30
0-60	1002.92	59.00	89.80
0-90	1117.11	65.70	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	1117.11	65.70	100.00

Total Luminaire Efficiency = 65.70%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	65.36
10-20	178.90
20-30	247.17
30-40	249.12
40-50	155.89
50-60	106.49
60-70	71.04
70-80	35.70
80-90	7.45
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

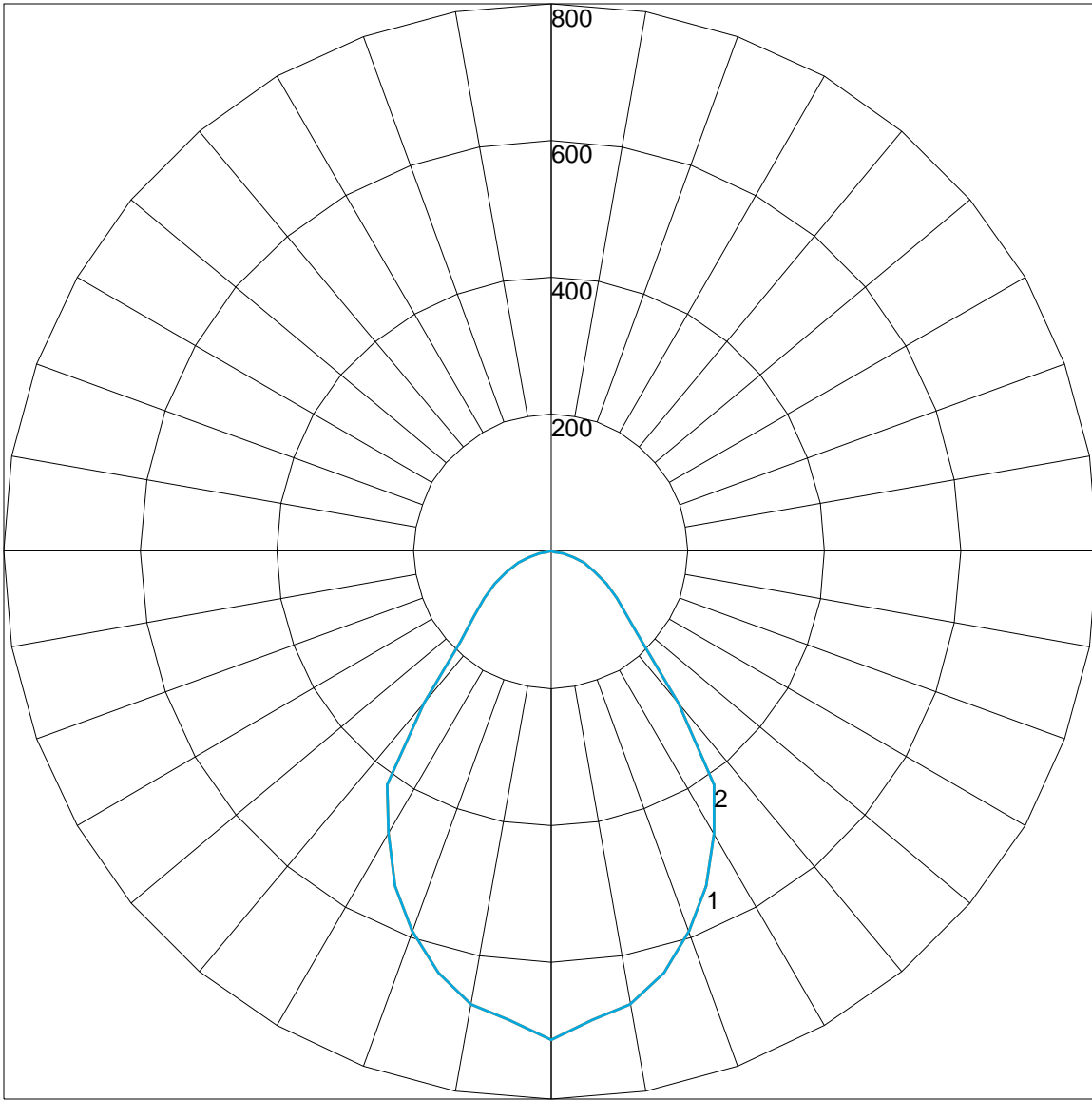
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	78	78	78	78	76	76	76	76	73	73	73	70	70	70	67	67	67	66	66
1	73	70	68	66	71	69	67	65	66	65	63	64	62	61	61	60	59	58	58
2	68	63	60	57	66	62	59	56	60	57	55	58	56	54	56	54	52	51	51
3	63	57	53	49	61	56	52	49	54	51	48	53	50	47	51	49	46	45	45
4	59	52	47	43	57	51	47	43	50	46	43	48	45	42	47	44	42	40	40
5	55	47	42	39	53	47	42	38	45	41	38	44	41	38	43	40	37	36	36
6	51	43	38	35	50	43	38	35	42	38	34	41	37	34	40	36	34	33	33
7	48	40	35	32	47	40	35	31	39	34	31	38	34	31	37	33	31	30	30
8	45	37	32	29	44	37	32	29	36	32	29	35	31	28	34	31	28	27	27
9	42	34	30	26	41	34	29	26	33	29	26	33	29	26	32	29	26	25	25
10	40	32	27	24	39	32	27	24	31	27	24	31	27	24	30	27	24	23	23

POLAR GRAPH



Maximum Candela = 714.393 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)