

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TRI-I-15-57CF-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 RLM REFLECTOR  
[MORE] WHITE POLYESTER POWDER COAT  
[LUMCAT] TRI-I-15-57CF-F05  
[LAMP] Fluor. 57W PL-T triple tube  
[LAMP CAT] Master PL-T 57W/840/4P

**CHARACTERISTICS**

Lumens Per Lamp	4300 (1 lamp)
Total Lamp Lumens	4300
Luminaire Lumens	3397
Total Luminaire Efficiency	79 %
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	59
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.30
Spacing Criteria (90-270)	1.28
Spacing Criteria (Diagonal)	1.46
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	23005	23019	22909
55	22162	21876	21866
65	20383	20175	19936
75	17099	16858	16954
85	12706	12171	12341

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	854.28	19.90	25.20
0-40	1433.94	33.30	42.20
0-60	2650.7	61.60	78.00
0-90	3395.21	79.00	100.00
90-120	1.07	0.00	0.00
90-130	1.10	0.00	0.00
90-150	1.26	0.00	0.00
90-180	1.48	0.00	0.00
0-180	3396.68	79.00	100.00

Total Luminaire Efficiency = 79.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	106.56
10-20	297.24
20-30	450.48
30-40	579.66
40-50	638.17
50-60	578.59
60-70	434.63
70-80	242.36
80-90	67.52
90-100	1.04
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

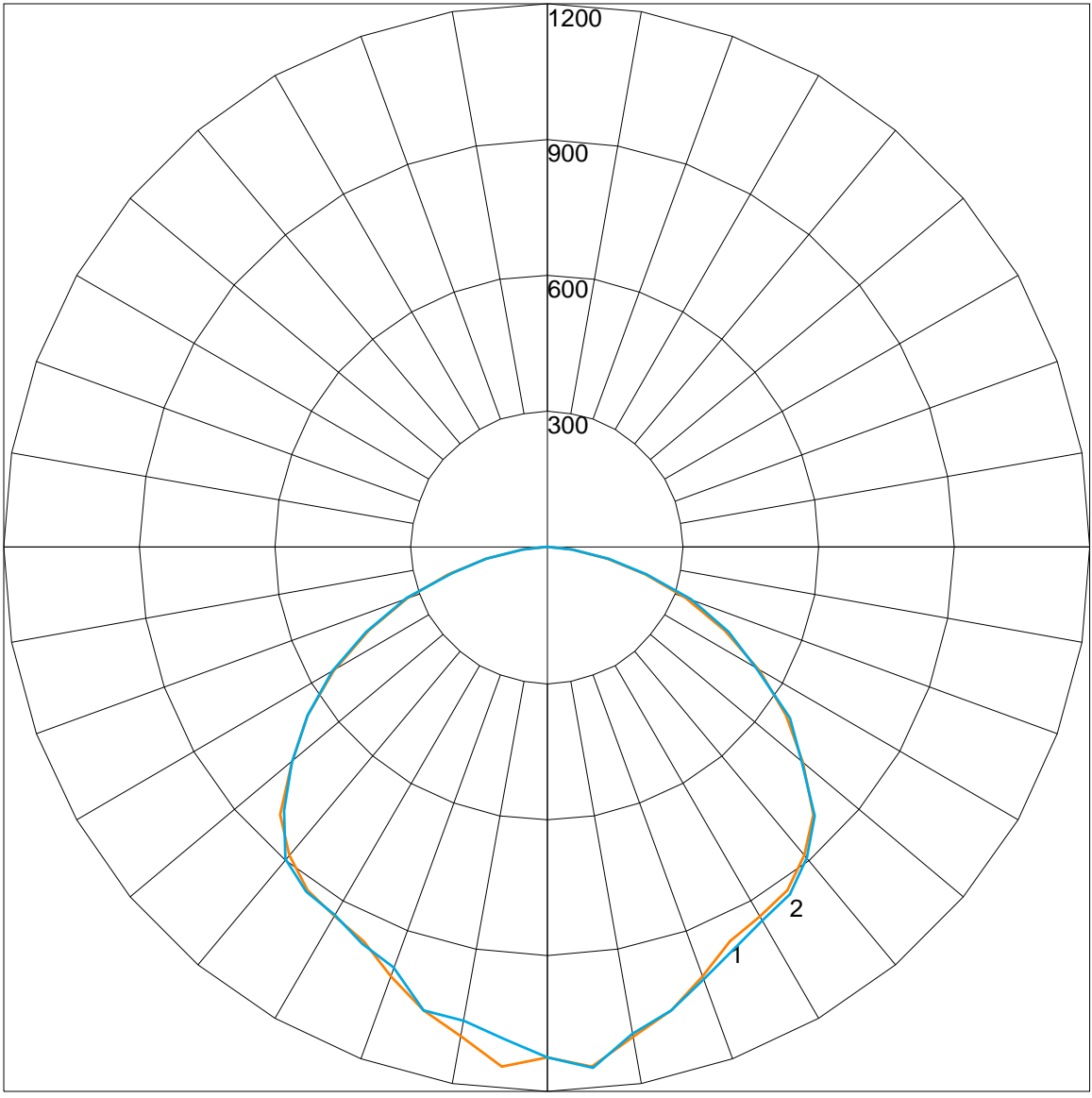
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	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	94	94	94	94	92	92	92	92	88	88	88	84	84	84	81	81	81	79	0
1	86	82	78	75	84	80	77	74	77	74	72	74	71	69	71	69	67	66	0
2	78	71	66	61	76	70	64	60	67	62	59	64	61	57	62	59	56	54	0
3	71	62	56	50	69	61	55	50	58	53	49	56	52	48	54	50	47	45	0
4	65	55	48	42	63	54	47	42	52	46	41	50	45	41	48	44	40	39	0
5	59	49	42	36	58	48	41	36	46	40	36	45	39	35	43	39	35	33	0
6	55	44	37	31	53	43	36	31	42	36	31	40	35	31	39	34	30	29	0
7	51	40	33	28	49	39	32	28	38	32	27	37	31	27	35	31	27	25	0
8	47	36	29	25	46	36	29	24	34	29	24	33	28	24	33	28	24	22	0
9	44	33	26	22	43	33	26	22	32	26	22	31	25	22	30	25	22	20	0
10	41	30	24	20	40	30	24	20	29	24	20	28	23	20	28	23	20	18	0

POLAR GRAPH



Maximum Candela = 1151.56 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)