

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-20-200IN-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-20-200IN-F05
[LAMP] 200W INCANDESCENT
[LAMPCAT] A-21, E26 BASE

CHARACTERISTICS

Lumens Per Lamp	3760 (1 lamp)
Total Lamp Lumens	3760
Luminaire Lumens	2471
Total Luminaire Efficiency	66 %
Luminaire Efficacy Rating (LER)	12
Total Luminaire Watts	200
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)	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	2970	2970	2970
55	2304	2304	2304
65	1893	1893	1893
75	1448	1448	1448
85	625	625	625

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1086.92	28.90	44.00
0-40	1637.91	43.60	66.30
0-60	2218.22	59.00	89.80
0-90	2470.77	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	2470.77	65.70	100.00

Total Luminaire Efficiency = 65.70%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	144.57
10-20	395.68
20-30	546.68
30-40	550.99
40-50	344.78
50-60	235.52
60-70	157.13
70-80	78.96
80-90	16.48
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

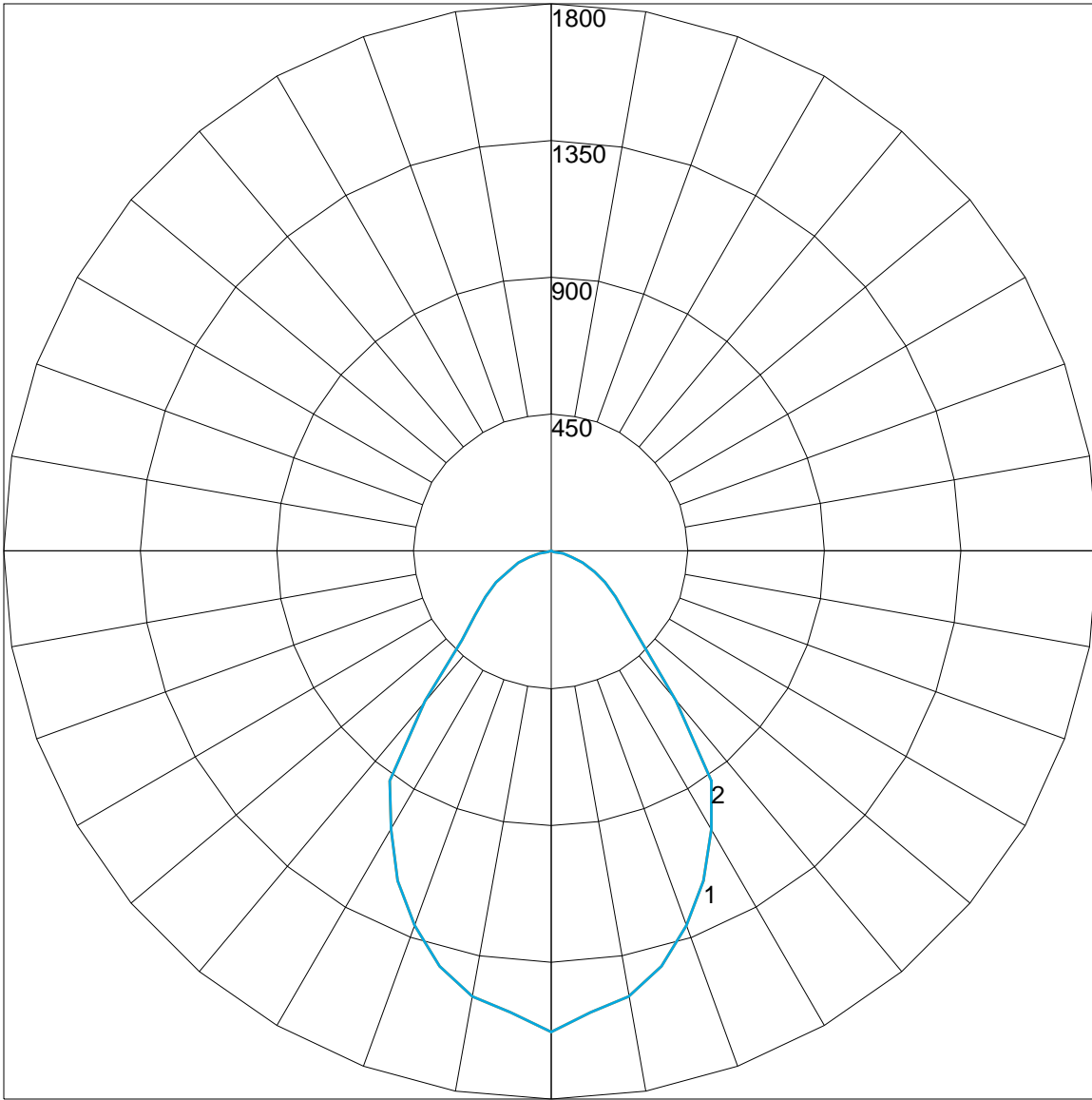
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 1580.07 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)