

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-18-19LED-F05.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] Photopia 2015.0.1
[TESTLAB] TMS LIGHTING INC.
[TESTDATE] Jan. 18, 2017
[ISSUE DATE] Jan. 18, 2017
[MANUFAC] TMS LIGHTING INC.
[LUMCAT] TRI-I-18-19LED-F05
[LUMINAIRE] TRISHA PENDANT
[MORE] 18" DIA. RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT
[LAMP] CREE 19W LED, CCT 4000K, OPTIC
[LAMPCAT] XP-G2

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1856
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	21.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.50
Spacing Criteria (90-270)	0.50
Spacing Criteria (Diagonal)	0.52
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.50 ft (Diameter)
Luminous Width (90-270)	1.50 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	418	446	444
55	234	254	256
65	300	283	300
75	344	354	345
85	445	441	393

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1455.02	N.A.	78.40
0-40	1718.9	N.A.	92.60
0-60	1812.83	N.A.	97.70
0-90	1855.34	N.A.	100.00
90-120	0.20	N.A.	0.00
90-130	0.20	N.A.	0.00
90-150	0.20	N.A.	0.00
90-180	0.20	N.A.	0.00
0-180	1855.54	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	400.77
10-20	639.29
20-30	414.96
30-40	263.88
40-50	73.12
50-60	20.81
60-70	19.87
70-80	15.88
80-90	6.76
90-100	0.20
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

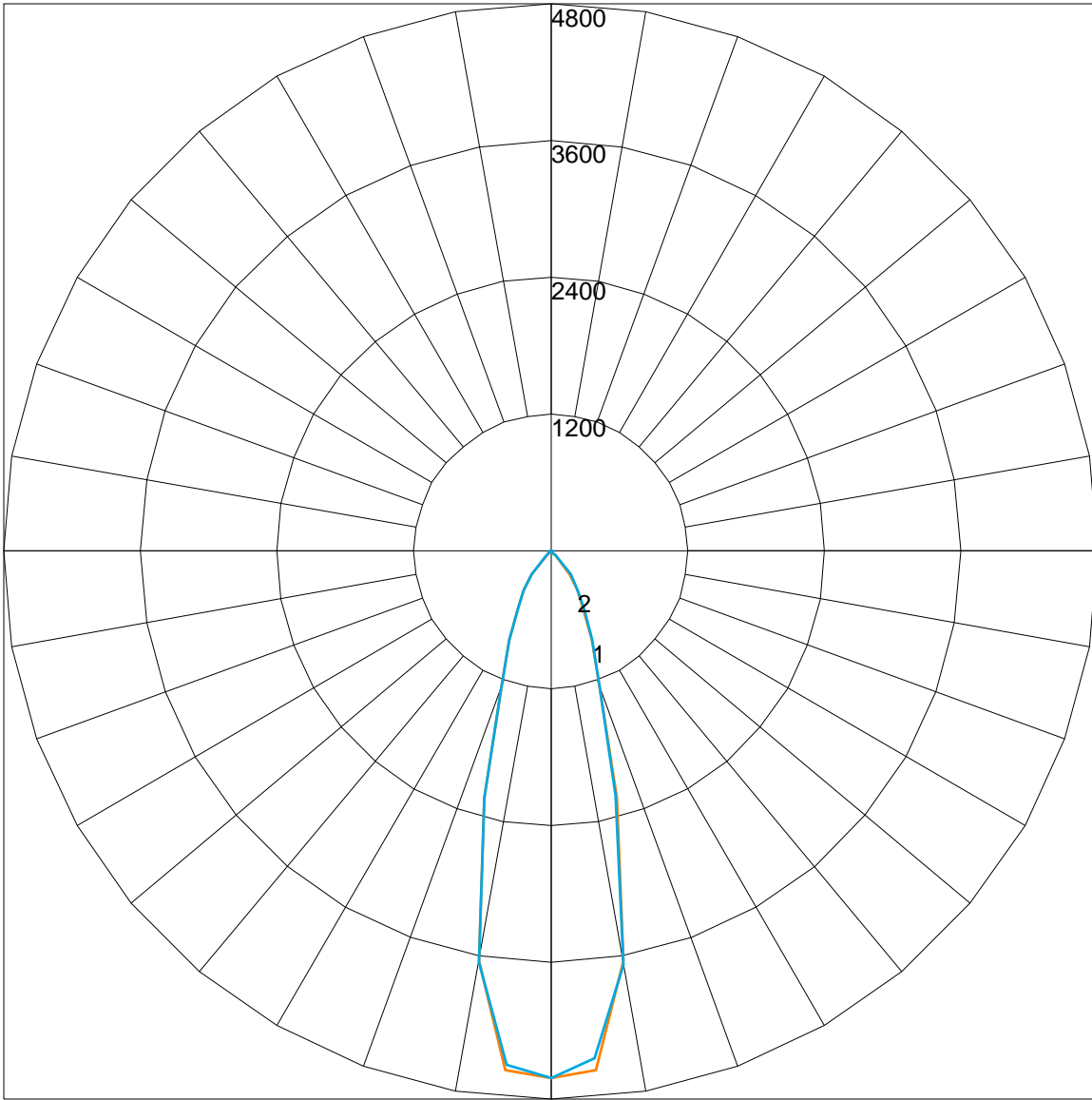
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	0
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	0
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88	0
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83	0
4	99	93	88	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79	0
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75	0
6	91	83	78	74	90	83	78	74	81	77	73	80	76	73	79	75	73	71	0
7	88	79	74	70	86	79	74	70	78	73	70	76	72	69	75	72	69	68	0
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65	0
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62	0
10	78	70	65	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59	0

POLAR GRAPH



Maximum Candela = 4621.4 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)