

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-20-19LED-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] TRISHA 20" DIA. RLM PENDANT
[MORE] WHITE POLYESTER POWDER COAT
[LUMINAIRE] TRI-I-20-19LED-F05
[LAMP] CREE 19W LED, CCT 4000K, OPTIC
[LAMP CAT] XP-G GEN2

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1843
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)	0.52
Spacing Criteria (90-270)	0.52
Spacing Criteria (Diagonal)	0.52
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.67 ft (Diameter)
Luminous Width (90-270)	1.67 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	264	255	251
55	272	261	277
65	305	319	318
75	378	368	388
85	405	388	415

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1460.25	N.A.	79.20
0-40	1711.54	N.A.	92.80
0-60	1787.71	N.A.	97.00
0-90	1843.14	N.A.	100.00
90-120	0.21	N.A.	0.00
90-130	0.21	N.A.	0.00
90-150	0.21	N.A.	0.00
90-180	0.22	N.A.	0.00
0-180	1843.36	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	393.14
10-20	641.80
20-30	425.31
30-40	251.29
40-50	47.64
50-60	28.53
60-70	26.83
70-80	20.54
80-90	8.06
90-100	0.21
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

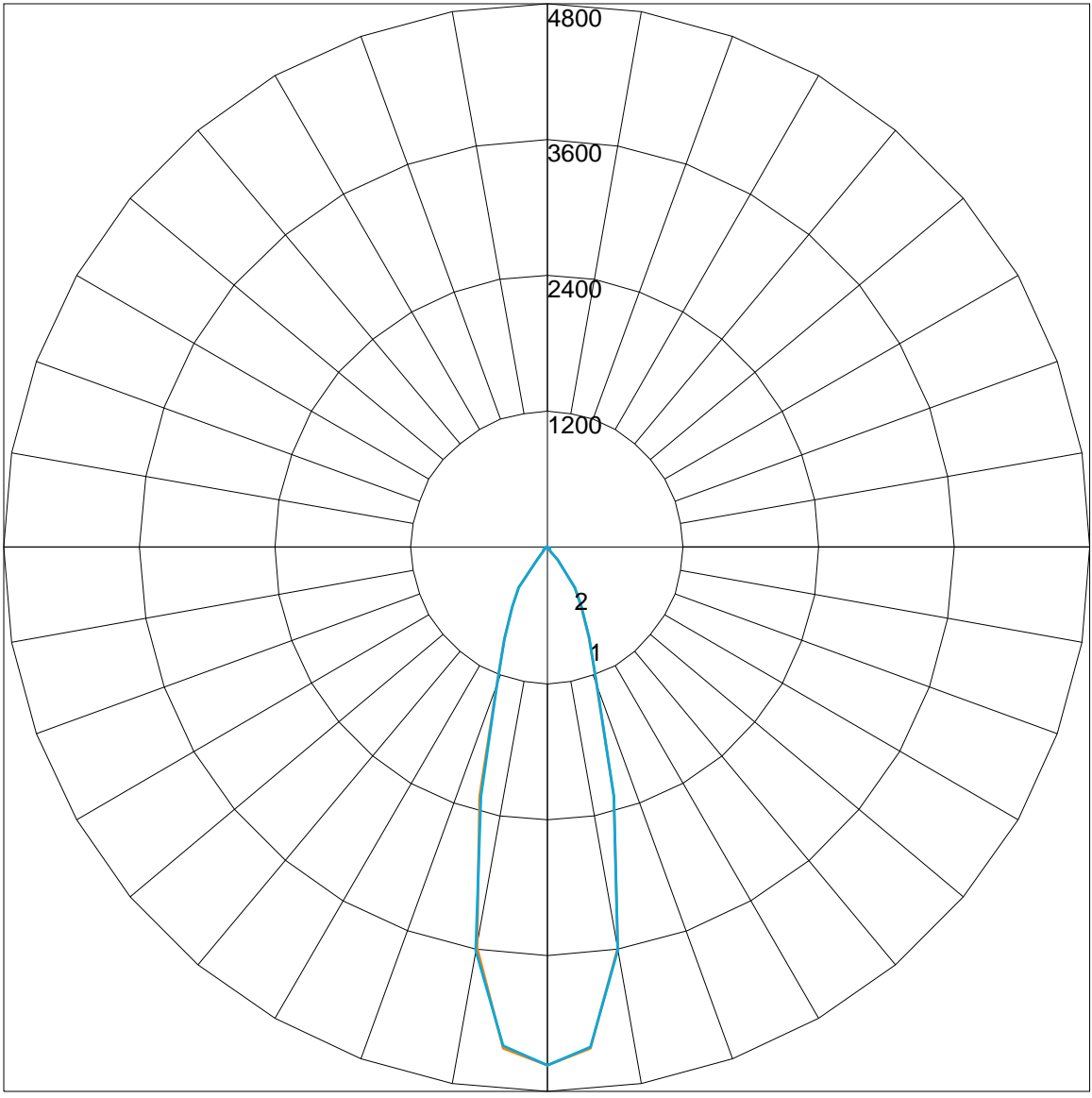
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94	0
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88	0
3	104	98	93	89	102	96	92	89	94	90	87	91	89	86	89	87	85	83	0
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	83	80	79	0
5	95	88	82	78	94	87	82	78	85	81	77	83	80	77	82	79	76	75	0
6	91	83	78	74	90	83	77	74	81	77	73	80	76	73	78	75	72	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	66	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 = 4567.58 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)