

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRI-I-18-32LED-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-1-18-32LED-F05
[LUMINAIRE] HAILEY PENDANT
[MORE] 18" DIA. RLM REFLECTOR
[MORE] WHITE POLYESTER POWDER COAT ON INNER SURFACE
[LAMP] CREE 32W LED, CCT 4000K, OPTIC
[LAMPCAT] XP-G2

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2894
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	36.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.42
Spacing Criteria (90-270)	0.44
Spacing Criteria (Diagonal)	0.48
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	1612	1610	1637
55	879	860	866
65	1021	978	993
75	1166	1202	1200
85	1273	1385	1250

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1986.58	N.A.	68.60
0-40	2480.99	N.A.	85.70
0-60	2749.78	N.A.	95.00
0-90	2893.39	N.A.	100.00
90-120	0.50	N.A.	0.00
90-130	0.50	N.A.	0.00
90-150	0.50	N.A.	0.00
90-180	0.50	N.A.	0.00
0-180	2893.89	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	575.18
10-20	785.32
20-30	626.08
30-40	494.41
40-50	195.49
50-60	73.30
60-70	69.41
70-80	53.59
80-90	20.61
90-100	0.50
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

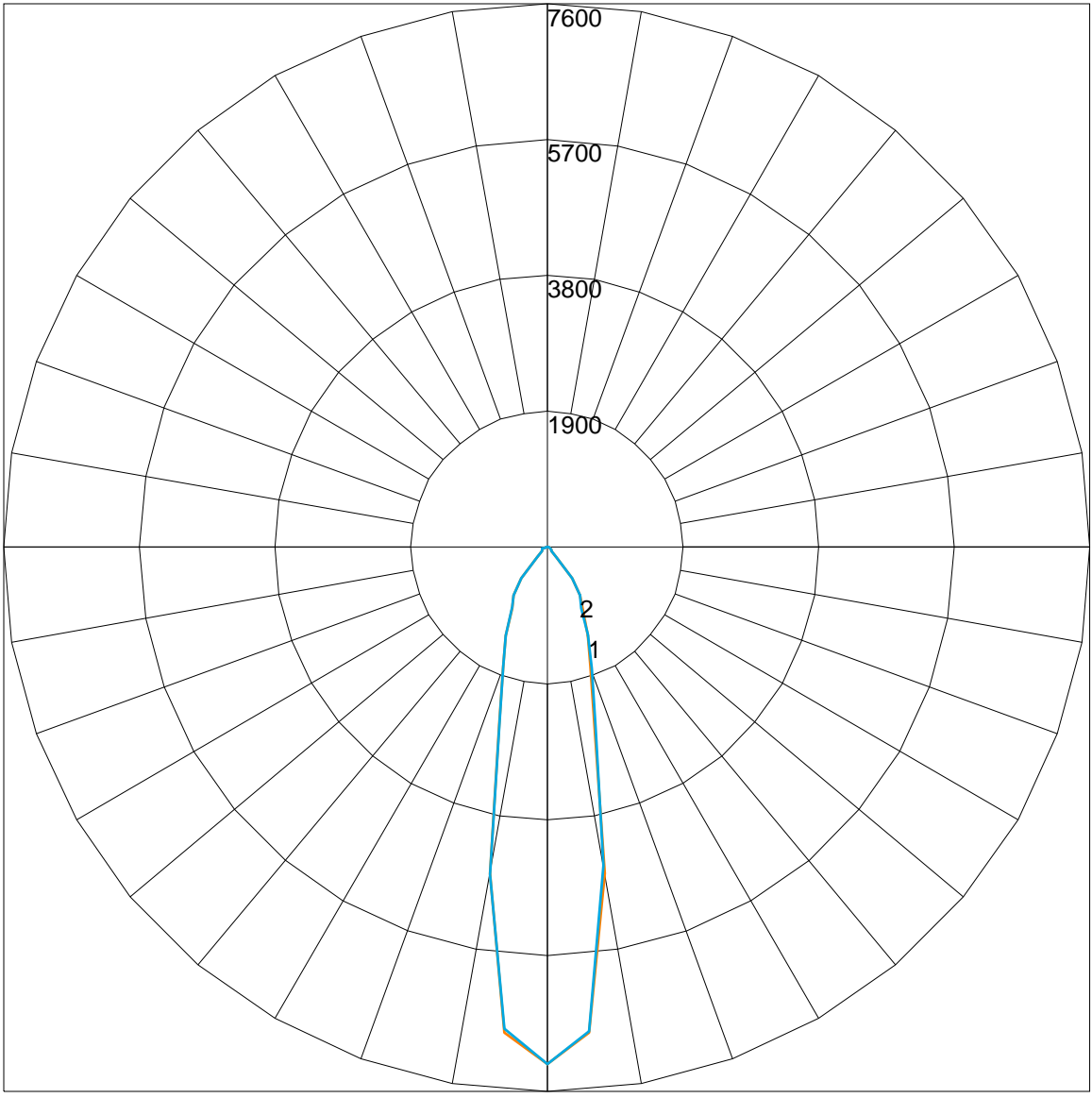
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	82	86	84	81	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	71	65	61	70	65	61	69	64	61	68	64	60	59
9	77	68	62	58	76	67	62	58	66	61	58	66	61	58	65	61	58	56
10	74	65	59	55	73	64	59	55	64	59	55	63	58	55	62	58	55	54

POLAR GRAPH



Maximum Candela = 7214.48 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)