

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EBB-15-19LED.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] Photopia 2015.0.1  
[TESTLAB] TMS LIGHTING INC.  
[ISSUE DATE] June 9, 2016  
[TEST DATE] June 9, 2016  
[MANUFAC] TMS LIGHTING INC.  
[LUMCAT] EBBY PENDANT  
[MORE] ALUMINUM RLM REFLECTOR 15.5 IN. DIA.  
[MORE] INNER SURFACE FINISHED WITH WHITE POLYESTER POWDER COAT  
[LUMINAIRE] EBB-15-19LED  
[LAMP] 19W LED, with OPTIC  
[LAMP CAT] XP-G2

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1888
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	21.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.48
Spacing Criteria (90-270)	0.48
Spacing Criteria (Diagonal)	0.48
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.29 ft (Diameter)
Luminous Width (90-270)	1.29 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	1756	1799	1788
55	476	518	484
65	191	191	209
75	10	13	13
85	8	10	10

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1477.37	N.A.	78.30
0-40	1715.54	N.A.	90.90
0-60	1875.19	N.A.	99.30
0-90	1887.88	N.A.	100.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
0-180	1887.89	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	439.07
10-20	645.14
20-30	393.16
30-40	238.18
40-50	122.17
50-60	37.48
60-70	11.21
70-80	1.39
80-90	0.10
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

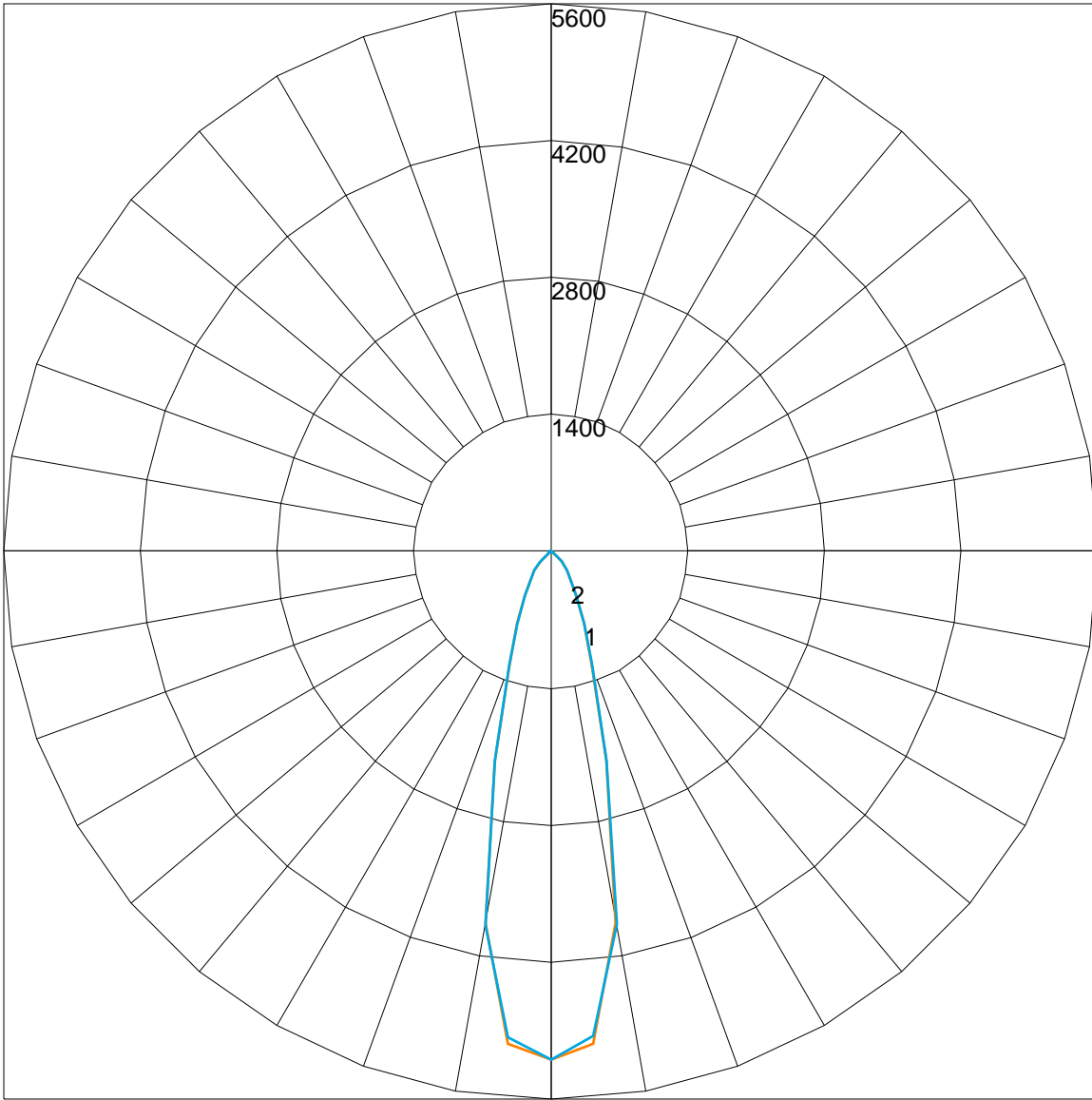
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	0
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95	0
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	0
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84	0
4	100	93	88	84	98	92	88	84	90	86	83	88	85	82	86	83	81	80	0
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	76	0
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	72	0
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	69	0
8	85	76	71	68	84	76	71	68	75	70	67	74	70	67	73	69	67	65	0
9	82	73	68	65	81	73	68	65	72	67	64	71	67	64	70	67	64	63	0
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60	0

POLAR GRAPH



Maximum Candela = 5198.16 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)