

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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] Photopia 2014.1.2  
[TESTLAB] TMS LIGHTING INC.  
[ISSUE DATE] May 13, 2015  
[TEST DATE] May 13, 2015  
[MANUFAC] TMS LIGHTING INC.  
[LUMCAT] EBB-15-19LED-LNS  
[LUMINAIRE] EBBY PENDANT  
[MORE] ALUMINUM RLM REFLECTOR 15.5 IN. DIA.  
[MORE] INNER SURFACE FINISHED WITH WHITE POLYESTER POWDER COAT  
[MORE] CLEAR FLAT LENS  
[LAMP] 19W LED, WITH OPTIC  
[LAMPCAT] XP-G2

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1735
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
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	1760	1738	1701
55	565	635	602
65	293	299	301
75	91	90	99
85	21	13	16

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

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1334.03	N.A.	76.90
0-40	1553.97	N.A.	89.60
0-60	1714.54	N.A.	98.80
0-90	1734.58	N.A.	100.00
90-120	0.24	N.A.	0.00
90-130	0.25	N.A.	0.00
90-150	0.27	N.A.	0.00
90-180	0.32	N.A.	0.00
0-180	1734.91	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	397.46
10-20	582.04
20-30	354.54
30-40	219.94
40-50	117.78
50-60	42.80
60-70	16.06
70-80	3.72
80-90	0.27
90-100	0.04
100-110	0.13
110-120	0.07
120-130	0.01
130-140	0.00
140-150	0.01
150-160	0.05
160-170	0.01
170-180	0.00

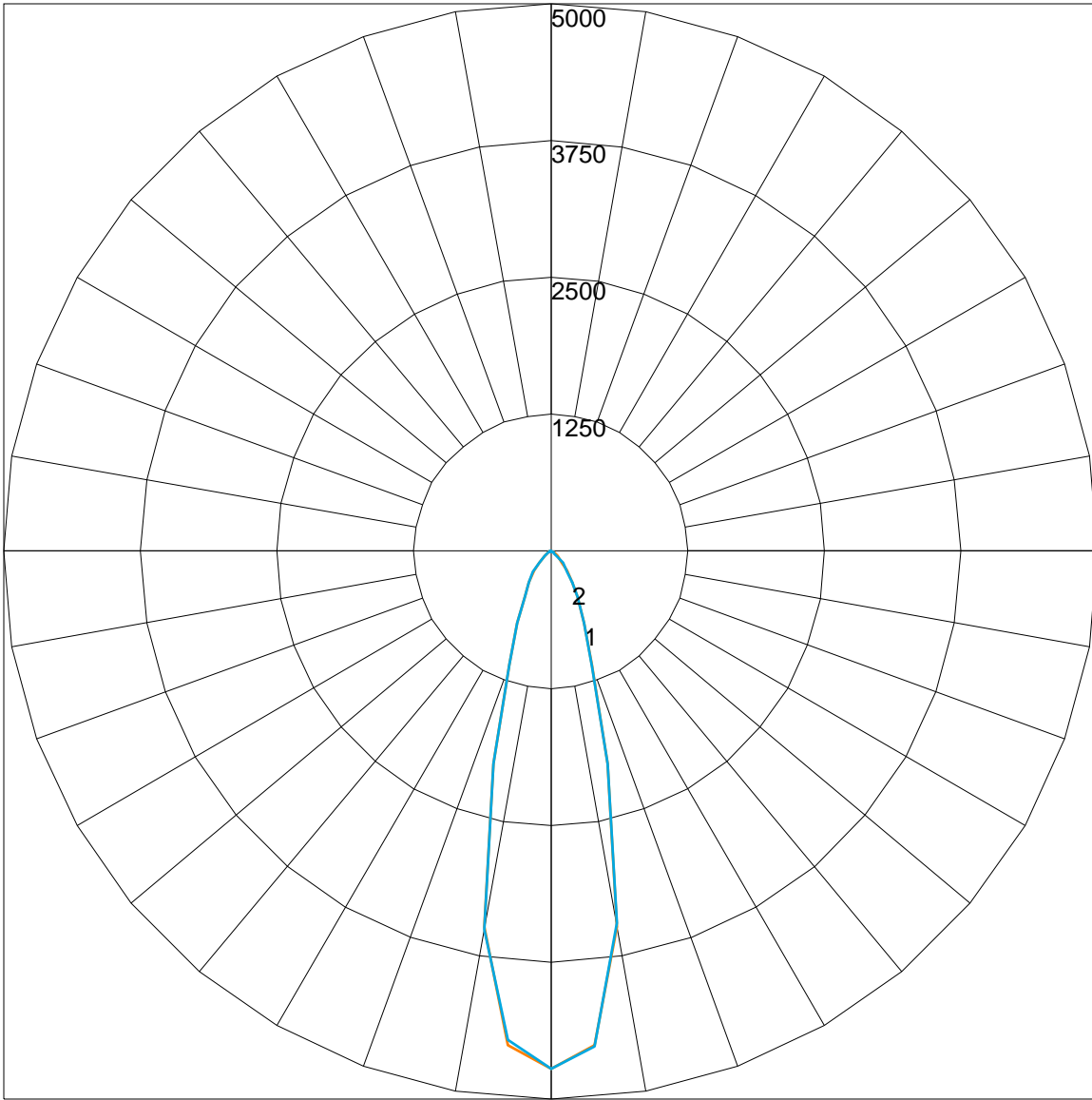
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : EBB-15-19LED-LNS.IES**

**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	112	109	107	105	105	104	102	101	100	99	98	97	96	94	0
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	89	0
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84	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	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	77	73	70	76	72	69	75	72	69	68	0
8	84	76	70	67	83	75	70	67	74	70	66	73	69	66	72	69	66	65	0
9	81	72	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62	0
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59	0

POLAR GRAPH



Maximum Candela = 4727.68 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)