

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EBB-15-42CF.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] Photopia 2.0.0.17 PHOTOMETRIC REPORT
[MANUFAC] TMS LIGHTING
[LUMINAIRE] EBBY PENDANT
[MORE] 15.5" DIAMETER ALUMINUM REFLECTOR
[MORE] INNER SURFACE FINISHED WITH WHITE POLYESTER POWDER COAT
[LUMCAT] EBB-15-42CF
[LAMP] 42W PL-T CFL

CHARACTERISTICS

Lumens Per Lamp	3200 (1 lamp)
Total Lamp Lumens	3200
Luminaire Lumens	3019
Total Luminaire Efficiency	94 %
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	46
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	1.36
Spacing Criteria (90-270)	1.34
Spacing Criteria (Diagonal)	1.64
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
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	4758	4820	4659
55	5604	5986	5814
65	7547	7552	7697
75	11817	11892	12033
85	33360	32951	33514

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	464.59	464.59	464.59	464.59	464.59	464.59	464.59	464.59	464.59
5	466.42	406.99	433.79	425.87	429.34	444.24	429.34	446.01	405.13
10	440.24	392.25	394.07	396.44	401.41	381.57	403.68	408.07	411.19
15	388.02	393.47	374.05	376.69	380.71	380.17	393.73	372.73	354.95
20	377.84	379.49	372.66	367.59	389.54	397.84	393.85	395.95	398.95
25	403.34	404.37	384.11	398.32	391.05	407.31	398.27	401.87	396.30
30	399.93	386.02	395.97	405.26	404.15	393.85	398.22	409.56	389.27
35	408.77	390.09	401.50	401.06	404.47	407.72	406.74	403.47	401.13
40	403.14	412.12	413.24	402.59	415.12	405.57	402.14	397.80	406.05
45	406.16	409.85	411.52	405.65	397.75	413.39	416.77	412.29	402.61
50	414.35	407.10	411.51	400.73	407.38	411.51	418.06	412.04	397.76
55	388.09	396.41	414.52	397.44	402.58	411.62	408.62	406.27	399.96
60	397.14	393.27	394.35	401.69	388.78	396.65	416.65	394.36	400.34
65	385.07	390.89	385.34	397.36	392.72	394.72	399.48	395.21	405.93
70	382.46	384.96	387.47	386.12	376.39	397.49	393.35	388.87	388.23
75	369.26	371.61	371.60	375.95	375.99	385.52	385.26	384.55	375.17
80	354.55	356.75	369.76	361.01	360.01	372.20	366.19	377.62	371.23
85	351.03	339.88	346.72	351.91	352.65	357.69	359.30	351.06	354.32
90	320.76	319.13	326.52	333.23	325.58	339.70	335.13	332.97	332.17
95	291.12	290.17	300.25	303.13	294.09	304.64	296.59	309.67	313.56
100	235.61	238.44	237.40	240.40	238.80	246.19	250.88	243.05	254.04
105	169.78	187.64	177.88	179.17	181.42	176.16	195.81	183.15	188.46
110	117.73	124.06	121.75	127.68	123.14	125.01	127.98	123.11	130.48
115	53.96	62.32	64.34	65.15	60.80	61.46	67.84	66.66	67.82
120	12.23	10.89	12.27	12.40	13.16	14.21	14.88	15.21	13.11
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	332.93	10.40	11.00
0-40	585.88	18.30	19.40
0-60	1264.44	39.50	41.90
0-90	2435.3	76.10	80.70
90-120	580.31	18.10	19.20
90-130	583.36	18.20	19.30
90-150	583.36	18.20	19.30
90-180	583.36	18.20	19.30
0-180	3018.66	94.30	100.00

Total Luminaire Efficiency = 94.30%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	40.47
10-20	109.45
20-30	183.02
30-40	252.95
40-50	316.35
50-60	362.20
60-70	390.38
70-80	399.02
80-90	381.46
90-100	319.93
100-110	194.01
110-120	66.37
120-130	3.05
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

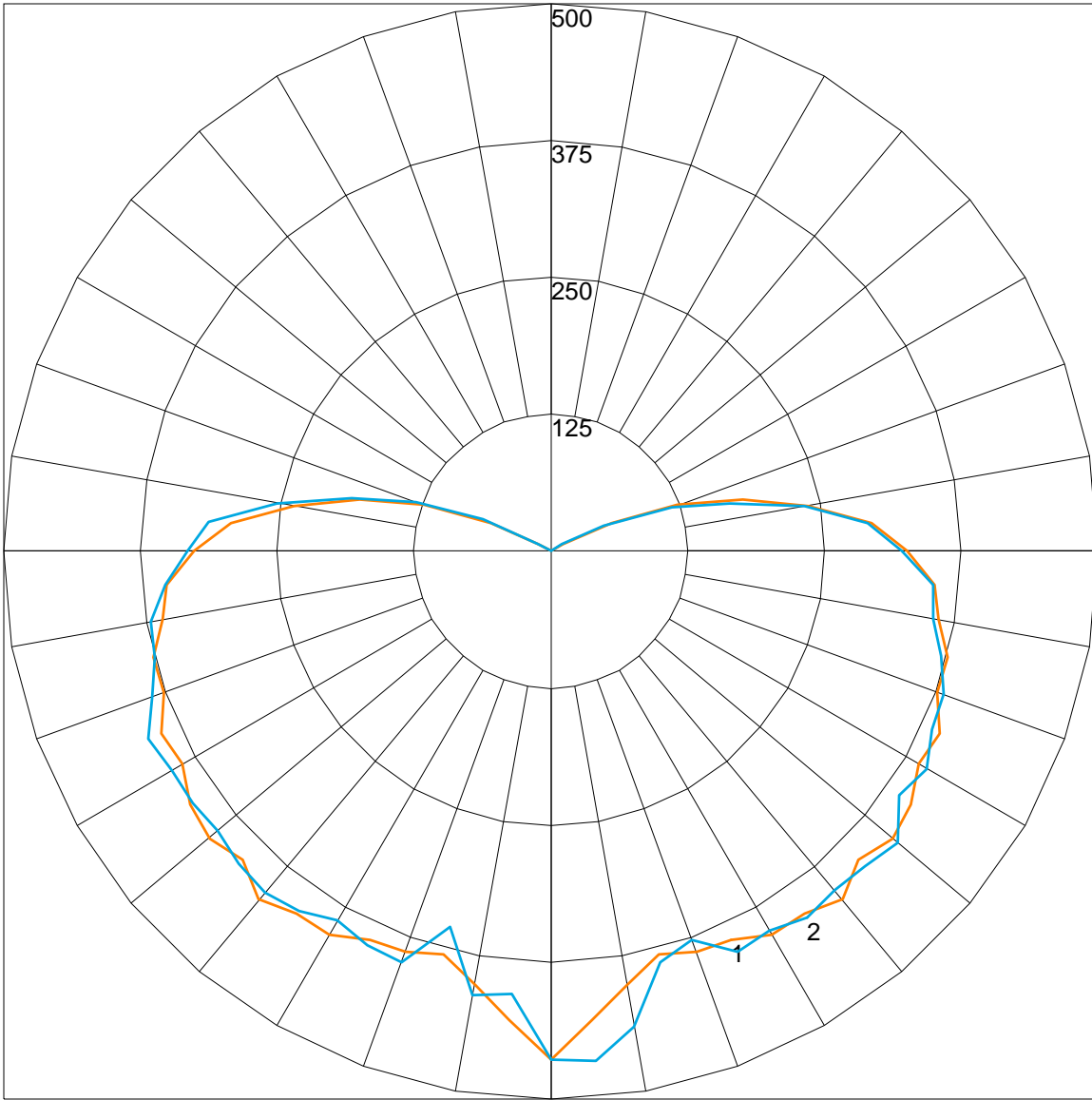
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
0	108	108	108	108	103	103	103	103	95	95	95	87	87	87	80	80	80	76
1	93	86	80	74	88	82	76	71	74	70	66	67	64	60	61	58	55	52
2	82	72	63	56	78	68	61	54	62	56	50	56	51	46	50	46	42	39
3	74	61	52	44	70	59	50	43	53	46	40	48	42	37	43	38	34	31
4	67	53	44	36	63	51	42	35	46	38	32	42	35	30	37	32	28	25
5	61	47	37	30	57	45	36	29	41	33	27	37	30	25	33	28	23	20
6	56	42	32	26	53	40	31	25	36	29	23	33	26	21	30	24	20	17
7	52	38	28	22	49	36	27	21	33	25	20	30	23	19	27	21	17	15
8	48	34	25	19	45	32	24	19	30	23	17	27	21	16	25	19	15	13
9	44	31	23	17	42	30	22	17	27	20	15	25	19	14	23	17	13	11
10	42	28	20	15	39	27	20	15	25	18	14	23	17	13	21	16	12	10

POLAR GRAPH



Maximum Candela = 466.42 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)