



IES INDOOR REPORT

PHOTOMETRIC FILENAME : TESTA_12V_5W.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] T191011051
 [TESTLAB] Dongguan Hongnuo Product Testing Service Co., Ltd.
 [TESTDATE] 2019-10-11
 [ISSUEDATE] 2019-10-11 09:21:59
 [MANUFAC] BeLuce Canada Inc.
 [LAMP] TESTA 12V 5W IH-F8-48W
 [MORE] BeLuce REMOTE HEAD TESTA
 [MORE] LUMEN RATING = 639 LMS
 [OTHER] EVERFINE GO-R5000_V2 SYSTEM

CHARACTERISTICS

Lumens Per Lamp	639.22 (1 lamp)
Total Lamp Lumens	639.22
Luminaire Lumens	653
Total Luminaire Efficiency	102 %
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	4.9421
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.40
Spacing Criterion (Diagonal)	0.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.00 m
Luminous Width (90-270)	0.02 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3314	3444	3155
55	2686	3005	2726
65	2384	2608	2392
75	2086	2087	1908
85	1697	1657	1267

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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>	<u>202.5</u>
0	1959.76	1959.76	1959.76	1959.76	1959.76	1959.76	1959.76	1959.76	1959.76	1959.76
5	1780.15	1795.07	1794.33	1770.80	1733.67	1698.44	1684.01	1693.07	1725.00	1761.52
10	1222.01	1244.74	1238.99	1191.89	1122.89	1052.46	1018.88	1031.92	1081.34	1154.35
15	678.87	741.24	771.13	751.93	689.31	630.19	601.34	612.49	658.58	723.73
20	429.81	479.96	523.18	522.57	476.16	432.76	416.82	425.24	460.35	508.09
25	286.71	305.68	324.70	324.05	303.53	280.74	275.38	280.60	299.05	320.51
30	180.63	183.08	187.19	182.28	171.18	163.99	163.80	166.47	173.80	184.53
35	105.31	105.00	104.73	102.43	97.83	93.40	92.04	92.83	94.93	96.81
40	63.53	64.10	64.68	63.23	60.22	57.51	55.36	54.77	55.85	56.50
45	46.88	47.53	48.72	47.50	44.64	42.34	40.36	39.79	40.12	41.07
50	38.67	40.32	42.57	41.76	38.26	36.15	35.53	34.06	33.79	34.32
55	30.83	33.06	34.49	35.08	31.29	29.66	27.38	28.30	27.74	29.07
60	24.82	27.80	27.77	28.35	25.51	24.22	21.42	22.91	21.93	24.77
65	20.16	22.31	22.05	22.52	20.23	18.96	16.81	17.98	16.69	18.01
70	15.61	16.37	16.22	15.52	14.95	13.75	12.35	12.41	11.90	12.11
75	10.80	11.25	10.81	10.23	9.88	9.11	8.06	7.73	7.37	7.59
80	6.41	6.56	6.35	5.88	5.48	4.87	4.23	3.72	3.58	3.48
85	2.96	3.04	2.89	2.55	2.21	1.74	1.31	0.97	0.75	0.70
90	0.49	0.55	0.49	0.32	0.13	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	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	0.00
135	0.00	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	0.00
145	0.00	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	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
165	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
170	0.05	0.05	0.04	0.04	0.06	0.06	0.06	0.06	0.06	0.06
175	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.03	0.04
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	1959.76	1959.76	1959.76	1959.76	1959.76	1959.76	1959.76
5	1786.04	1792.80	1783.72	1768.72	1759.41	1764.96	1780.15
10	1218.36	1228.12	1209.00	1188.06	1185.15	1198.58	1222.01
15	756.17	729.48	669.73	624.17	633.31	631.76	678.87
20	520.91	491.02	434.43	402.71	394.44	400.37	429.81
25	327.10	313.92	290.62	277.09	272.63	274.60	286.71
30	191.39	189.69	182.28	179.76	179.58	178.55	180.63
35	99.81	101.26	102.03	101.99	103.44	104.41	105.31
40	58.66	59.80	61.22	61.08	62.78	63.24	63.53
45	42.71	43.53	43.81	44.09	44.56	45.81	46.88
50	35.07	35.89	35.83	36.53	36.92	38.04	38.67
55	28.89	29.74	28.46	29.44	29.75	31.17	30.83
60	23.38	24.58	22.24	23.67	22.26	24.76	24.82

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CANDELA TABULATION - (Cont.)

65	17.56	18.99	17.99	19.15	17.78	20.31	20.16
70	12.75	13.35	13.18	13.65	13.57	14.93	15.61
75	7.65	8.34	8.70	9.19	9.46	10.08	10.80
80	3.65	4.04	4.59	4.98	5.49	5.98	6.41
85	0.84	1.10	1.41	1.81	2.21	2.59	2.96
90	0.00	0.00	0.00	0.00	0.11	0.34	0.49
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	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
135	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
145	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
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.02	0.02	0.01	0.01	0.01	0.01	0.01
165	0.05	0.04	0.03	0.03	0.03	0.03	0.03
170	0.06	0.06	0.05	0.05	0.05	0.05	0.05
175	0.04	0.04	0.05	0.05	0.04	0.04	0.04
180	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
0-20	351.98	55.10	53.90
0-30	491.37	76.90	75.20
0-40	559.08	87.50	85.60
0-60	622.03	97.30	95.20
0-80	650.82	101.80	99.60
0-90	653.20	102.20	100.00
10-90	504.42	78.90	77.20
20-40	207.11	32.40	31.70
20-50	242.77	38.00	37.20
40-70	81.94	12.80	12.50
60-80	28.79	4.50	4.40
70-80	9.80	1.50	1.50
80-90	2.38	0.40	0.40
90-110	0.04	0.00	0.00
90-120	0.04	0.00	0.00
90-130	0.04	0.00	0.00
90-150	0.04	0.00	0.00
90-180	0.06	0.00	0.00
110-180	0.01	0.00	0.00
0-180	653.26	102.20	100.00

Total Luminaire Efficiency = 102.20%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	148.78
10-20	203.19
20-30	139.39
30-40	67.72
40-50	35.66
50-60	27.29
60-70	18.99
70-80	9.80
80-90	2.38
90-100	0.04
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	0.01
170-180	0.00

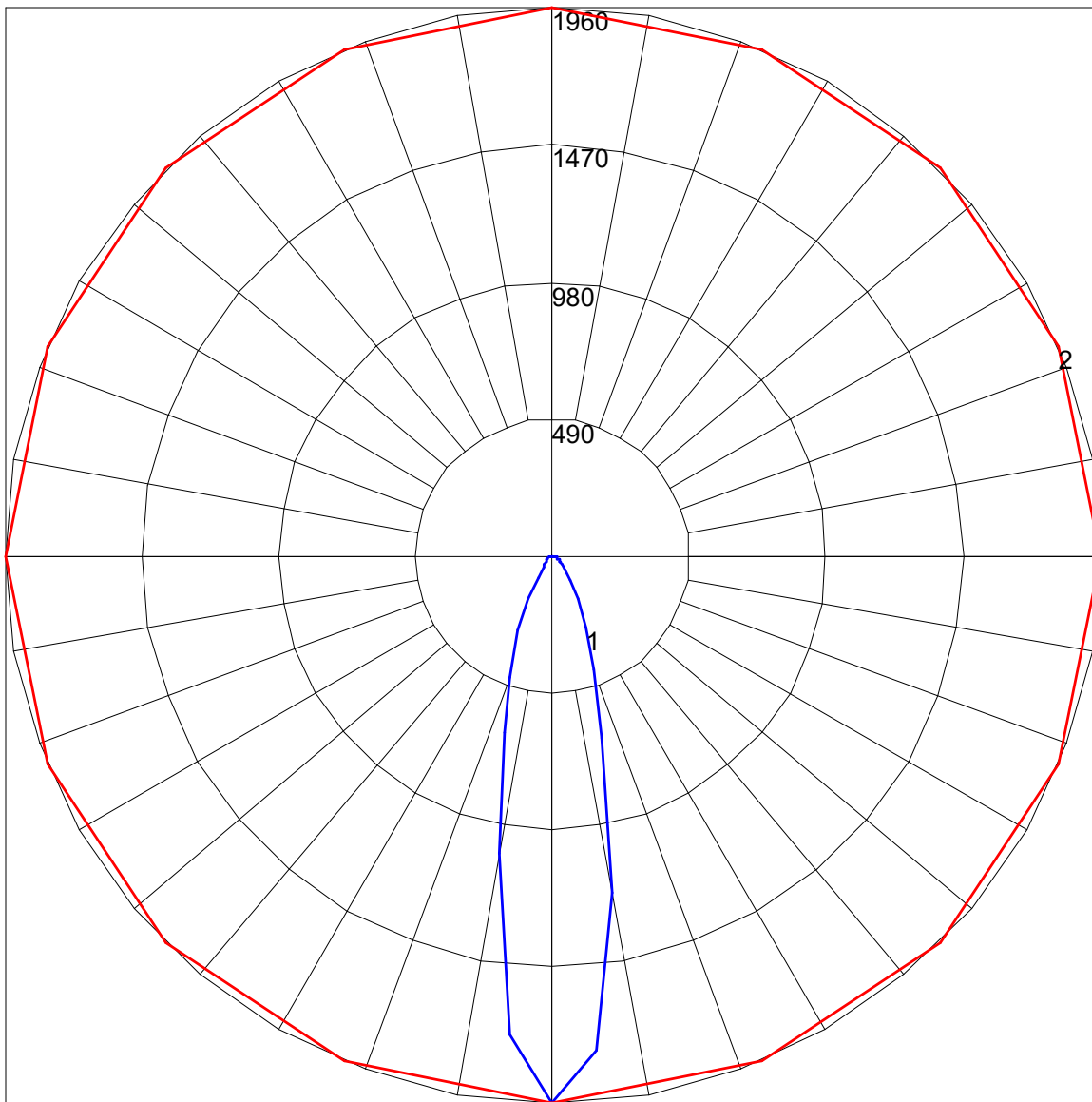
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	122	122	122	122	119	119	119	119	114	114	114	109	109	109	104	104	104	102
1	116	113	110	108	113	111	108	106	107	105	103	103	101	100	99	98	97	95
2	110	105	101	97	108	103	100	96	100	97	94	97	94	92	94	92	90	89
3	105	98	93	89	103	97	92	89	94	90	87	92	89	86	89	87	84	83
4	100	93	87	83	98	91	86	82	89	85	81	87	83	80	85	82	79	78
5	96	87	82	77	94	86	81	77	85	80	76	83	79	76	81	78	75	74
6	92	83	77	73	90	82	77	73	81	76	72	79	75	72	78	74	71	70
7	88	79	73	69	86	78	73	69	77	72	69	76	72	68	75	71	68	67
8	84	75	70	66	83	75	69	66	74	69	65	73	68	65	72	68	65	64
9	81	72	67	63	80	72	66	63	71	66	63	70	66	62	69	65	62	61
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	67	63	60	58

POLAR GRAPH



Maximum Candela = 1959.76 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)