



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : TESTA\_24V\_5W.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] T191011051  
 [TESTLAB] Dongguan Hongnuo Product Testing Service Co., Ltd.  
 [TESTDATE] 2019-10-10  
 [ISSUEDATE] 2019-10-10 10:10:38  
 [MANUFAC] BeLuce Canada Inc.  
 [LAMP] TESTA 24V 5W IH-F8-48W  
 [MORE] BeLuce REMOTE HEAD TESTA  
 [MORE] LUMEN RATING = 656 LMS  
 [OTHER] EVERFINE GO-R5000\_V2 SYSTEM

### CHARACTERISTICS

Lumens Per Lamp	655.62 (1 lamp)
Total Lamp Lumens	655.62
Luminaire Lumens	670
Total Luminaire Efficiency	102 %
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	5.0134
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.44
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	3109	3309	3538
55	2542	2692	3174
65	2105	2482	2692
75	1711	2030	2151
85	1021	1491	1692

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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>
<b>0</b>	1998.95	1998.95	1998.95	1998.95	1998.95	1998.95	1998.95	1998.95	1998.95	1998.95
<b>5</b>	1682.85	1706.61	1753.67	1803.39	1842.34	1857.29	1855.94	1852.47	1853.56	1863.42
<b>10</b>	1039.77	1080.03	1145.62	1222.90	1284.65	1292.22	1267.02	1239.72	1234.12	1250.95
<b>15</b>	565.54	597.20	661.19	749.07	800.55	790.21	741.60	697.30	690.50	718.74
<b>20</b>	366.10	384.03	429.63	496.33	551.24	547.60	501.88	475.01	472.21	493.91
<b>25</b>	254.27	261.93	282.63	312.18	343.83	349.84	330.24	320.14	320.04	331.37
<b>30</b>	160.18	162.64	169.77	181.11	197.20	197.97	193.39	193.08	195.76	199.68
<b>35</b>	92.18	94.55	98.88	103.25	109.67	110.22	109.34	109.39	110.55	110.38
<b>40</b>	58.46	59.82	62.20	64.08	67.10	67.06	65.97	64.86	63.76	63.24
<b>45</b>	43.98	45.22	46.82	49.05	50.06	48.29	46.54	45.18	43.23	42.98
<b>50</b>	36.96	37.65	39.13	42.19	43.67	41.51	38.96	37.92	36.60	35.66
<b>55</b>	29.17	29.74	30.89	35.27	36.43	34.84	32.25	31.72	30.51	29.78
<b>60</b>	22.48	24.09	25.64	28.68	29.08	28.72	26.30	25.10	23.43	24.23
<b>65</b>	17.80	19.31	20.99	22.99	22.76	22.40	20.96	20.09	18.40	18.81
<b>70</b>	13.24	14.53	15.76	16.32	16.68	16.38	15.75	14.47	13.71	13.42
<b>75</b>	8.86	9.85	10.51	10.64	11.14	11.02	10.64	9.71	9.25	8.69
<b>80</b>	4.87	5.52	5.92	6.17	6.51	6.26	5.94	5.49	5.03	4.49
<b>85</b>	1.78	2.19	2.60	2.79	2.95	2.86	2.56	2.18	1.76	1.39
<b>90</b>	0.00	0.13	0.31	0.43	0.49	0.42	0.26	0.05	0.00	0.00
<b>95</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>110</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>115</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>125</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>130</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>135</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>140</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>145</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>150</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>155</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>160</b>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
<b>165</b>	0.04	0.04	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03
<b>170</b>	0.06	0.05	0.05	0.04	0.06	0.06	0.05	0.06	0.06	0.06
<b>175</b>	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.04	0.04	0.04
<b>180</b>	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>
<b>0</b>	1998.95	1998.95	1998.95	1998.95	1998.95	1998.95	1998.95
<b>5</b>	1866.22	1848.40	1810.70	1761.96	1712.76	1684.93	1682.85
<b>10</b>	1275.36	1274.47	1219.73	1145.39	1071.68	1031.45	1039.77
<b>15</b>	771.71	790.72	742.69	657.40	593.86	564.43	565.54
<b>20</b>	537.71	548.36	506.28	437.34	386.32	366.58	366.10
<b>25</b>	348.12	346.04	320.69	288.47	265.59	255.04	254.27
<b>30</b>	204.27	203.12	189.80	174.33	164.73	160.79	160.18
<b>35</b>	108.50	105.48	100.43	96.65	92.45	90.41	92.18
<b>40</b>	62.01	61.23	60.63	58.43	57.60	57.12	58.46
<b>45</b>	42.92	44.09	44.17	43.19	43.20	43.06	43.98
<b>50</b>	35.95	36.23	36.28	35.62	35.68	35.83	36.96
<b>55</b>	29.69	31.36	29.83	28.12	27.90	28.89	29.17
<b>60</b>	24.42	25.19	24.02	23.52	22.17	22.85	22.48

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	19.29	18.63	18.14	18.38	17.34	18.35	17.80
<b>70</b>	13.35	13.45	13.25	12.69	12.71	12.91	13.24
<b>75</b>	8.52	8.13	7.87	8.07	7.97	8.40	8.86
<b>80</b>	4.24	3.82	3.75	3.80	4.22	4.43	4.87
<b>85</b>	1.11	0.94	0.86	0.95	1.15	1.41	1.78
<b>90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>110</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>115</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>125</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>130</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>135</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>140</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>145</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>150</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>155</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>160</b>	0.01	0.01	0.02	0.02	0.02	0.01	0.01
<b>165</b>	0.04	0.04	0.04	0.04	0.04	0.04	0.04
<b>170</b>	0.06	0.06	0.06	0.06	0.06	0.06	0.06
<b>175</b>	0.04	0.04	0.05	0.05	0.05	0.04	0.04
<b>180</b>	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	360.30	55.00	53.80
0-30	504.10	76.90	75.20
0-40	573.83	87.50	85.60
0-60	638.38	97.40	95.20
0-80	667.85	101.90	99.60
0-90	670.25	102.20	100.00
10-90	517.93	79.00	77.30
20-40	213.53	32.60	31.90
20-50	250.15	38.20	37.30
40-70	84.00	12.80	12.50
60-80	29.47	4.50	4.40
70-80	10.02	1.50	1.50
80-90	2.41	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	0.05	0.00	0.00
110-180	0.01	0.00	0.00
0-180	670.30	102.20	100.00

Total Luminaire Efficiency = 102.20%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	152.33
10-20	207.97
20-30	143.80
30-40	69.73
40-50	36.62
50-60	27.93
60-70	19.45
70-80	10.02
80-90	2.41
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

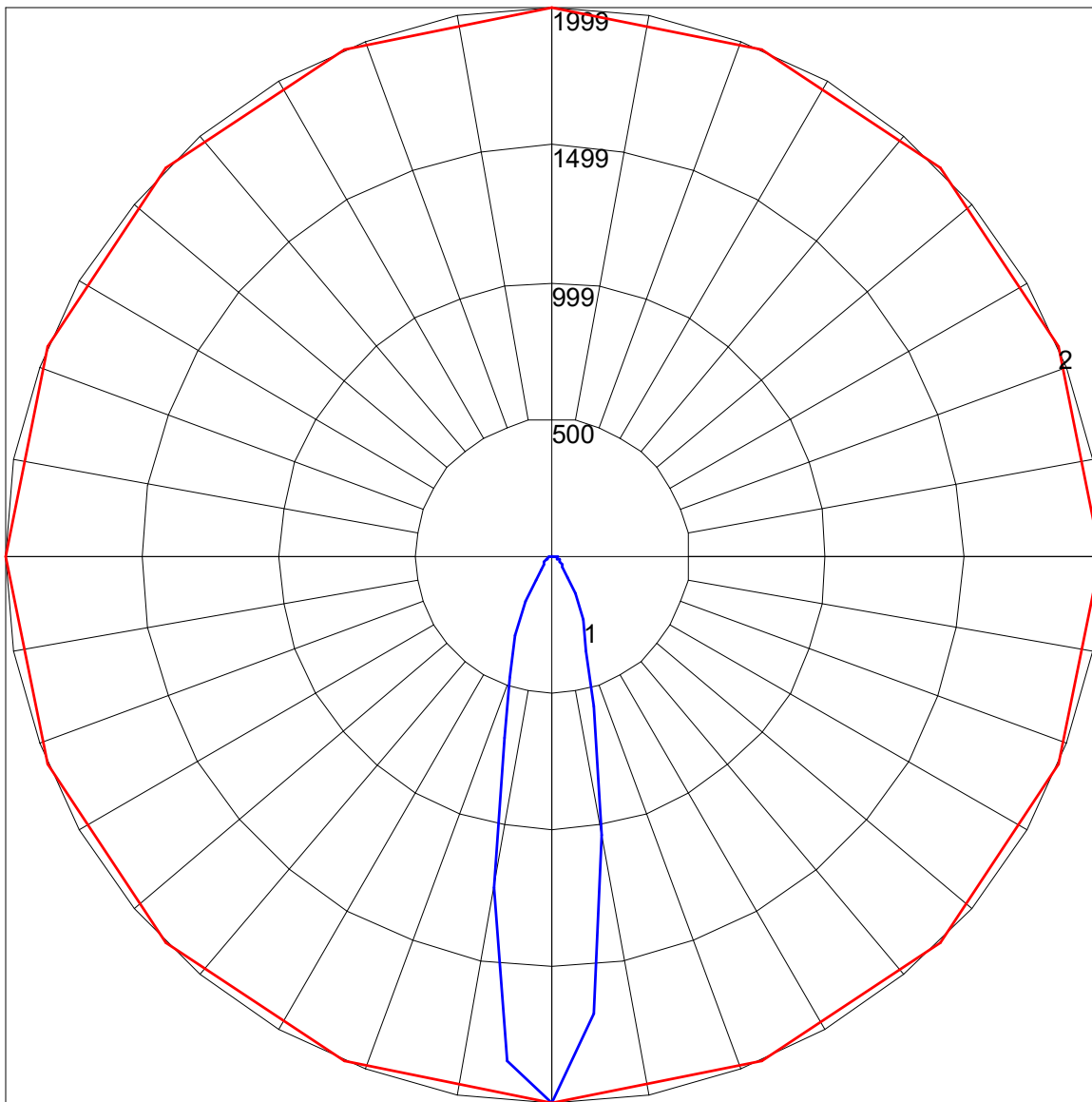
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	90	87	85	83
4	100	93	87	83	98	91	86	82	89	85	81	87	83	80	85	82	80	78
5	96	87	82	78	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	87	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	65	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 = 1998.95 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.)