



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : TESTA\_12V\_9W.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] T191011050  
 [TESTLAB] Dongguan Hongnuo Product Testing Service Co., Ltd.  
 [TESTDATE] 2019-10-11  
 [ISSUEDATE] 2019-10-11 11:59:25  
 [MANUFAC] BeLuce Canada Inc.  
 [LAMP] TESTA 12V 9W IH-F8-48W  
 [MORE] BeLuce REMOTE HEAD TESTA  
 [MORE] LUMEN RATING = 1100 LMS  
 [OTHER] EVERFINE GO-R5000\_V2 SYSTEM

### CHARACTERISTICS

Lumens Per Lamp	1100.1 (1 lamp)
Total Lamp Lumens	1100.1
Luminaire Lumens	1125
Total Luminaire Efficiency	102 %
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	8.996
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.36
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	5301	5029	4726
55	4561	4316	4009
65	4281	3746	3482
75	3710	2993	2524
85	3102	1955	814

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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>	3425.29	3425.29	3425.29	3425.29	3425.29	3425.29	3425.29	3425.29	3425.29	3425.29
<b>5</b>	3168.16	3078.03	3004.99	2960.35	2947.17	2960.69	2981.08	2993.97	2995.95	2992.05
<b>10</b>	2178.92	2008.92	1886.51	1815.34	1817.02	1867.78	1919.93	1935.32	1921.91	1907.49
<b>15</b>	1227.23	1090.87	1020.43	1013.72	1072.72	1172.08	1245.40	1237.96	1157.43	1075.13
<b>20</b>	829.36	747.99	712.52	706.42	754.71	836.41	895.57	876.97	797.89	731.39
<b>25</b>	542.95	502.27	483.24	476.41	496.75	529.51	559.47	551.77	515.76	486.42
<b>30</b>	323.33	308.63	300.05	292.42	292.39	297.77	301.08	299.93	293.92	292.99
<b>35</b>	176.94	169.88	164.57	158.77	159.93	158.80	159.81	160.39	161.82	164.21
<b>40</b>	102.85	98.85	97.29	93.64	91.11	89.71	89.91	91.15	93.12	94.57
<b>45</b>	75.00	72.22	71.15	69.42	66.87	65.79	65.64	66.49	67.96	69.20
<b>50</b>	63.29	60.54	60.18	58.10	55.77	55.81	58.43	57.19	56.69	57.62
<b>55</b>	52.34	50.94	49.53	48.72	46.01	47.95	49.78	50.60	46.76	48.15
<b>60</b>	43.84	42.41	39.02	39.18	37.65	40.08	38.47	41.08	37.88	39.50
<b>65</b>	36.20	33.86	31.68	31.66	29.44	29.25	27.84	30.39	28.90	30.39
<b>70</b>	27.97	25.43	23.52	22.31	21.13	20.31	19.46	19.79	20.03	21.50
<b>75</b>	19.21	17.40	15.50	14.03	13.07	12.33	11.62	11.62	12.61	13.67
<b>80</b>	11.27	10.14	8.60	7.11	6.41	5.29	4.94	4.98	5.59	6.77
<b>85</b>	5.41	4.45	3.41	2.27	1.42	0.73	0.48	0.55	0.98	1.82
<b>90</b>	1.07	0.53	0.00	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	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>	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.03
<b>160</b>	0.04	0.04	0.04	0.05	0.06	0.06	0.07	0.08	0.07	0.07
<b>165</b>	0.08	0.08	0.09	0.09	0.12	0.11	0.13	0.13	0.13	0.13
<b>170</b>	0.11	0.11	0.12	0.12	0.16	0.15	0.16	0.16	0.17	0.17
<b>175</b>	0.09	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.12	0.11
<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>	3425.29	3425.29	3425.29	3425.29	3425.29	3425.29	3425.29
<b>5</b>	3004.01	3049.21	3127.00	3202.91	3245.68	3228.36	3168.16
<b>10</b>	1937.45	2023.55	2159.27	2295.02	2362.25	2318.59	2178.92
<b>15</b>	1043.51	1065.65	1157.23	1307.35	1398.74	1364.62	1227.23
<b>20</b>	706.72	717.63	764.98	855.81	930.44	921.06	829.36
<b>25</b>	476.20	480.99	503.34	549.08	583.37	585.29	542.95
<b>30</b>	296.82	302.75	310.56	321.68	337.59	336.96	323.33
<b>35</b>	167.11	172.38	176.52	179.94	184.73	183.42	176.94
<b>40</b>	99.60	101.29	102.95	104.42	106.03	105.63	102.85
<b>45</b>	71.97	74.21	75.33	76.93	77.12	77.43	75.00
<b>50</b>	60.19	61.66	62.49	64.95	66.75	66.20	63.29
<b>55</b>	49.38	52.15	51.03	54.39	56.56	57.53	52.34
<b>60</b>	38.04	41.13	42.00	46.27	46.46	48.89	43.84

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	30.45	32.98	34.50	37.96	37.75	39.90	36.20
<b>70</b>	22.83	24.49	26.80	28.55	28.45	29.21	27.97
<b>75</b>	14.96	16.30	18.42	19.78	19.91	19.56	19.21
<b>80</b>	8.04	9.26	10.64	11.44	11.93	11.66	11.27
<b>85</b>	2.82	3.87	4.86	5.57	5.94	5.84	5.41
<b>90</b>	0.00	0.26	0.74	1.21	1.44	1.40	1.07
<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>	0.02	0.02	0.01	0.02	0.02	0.02	0.01
<b>160</b>	0.06	0.05	0.04	0.05	0.05	0.05	0.04
<b>165</b>	0.12	0.11	0.08	0.08	0.08	0.08	0.08
<b>170</b>	0.17	0.16	0.12	0.11	0.11	0.11	0.11
<b>175</b>	0.11	0.11	0.10	0.09	0.09	0.09	0.09
<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	610.30	55.50	54.30
0-30	853.32	77.60	75.90
0-40	967.78	88.00	86.10
0-60	1071.16	97.40	95.30
0-80	1120.23	101.80	99.60
0-90	1124.34	102.20	100.00
10-90	865.06	78.60	76.90
20-40	357.48	32.50	31.80
20-50	415.41	37.80	36.90
40-70	135.71	12.30	12.10
60-80	49.07	4.50	4.40
70-80	16.74	1.50	1.50
80-90	4.11	0.40	0.40
90-110	0.11	0.00	0.00
90-120	0.11	0.00	0.00
90-130	0.11	0.00	0.00
90-150	0.11	0.00	0.00
90-180	0.16	0.00	0.00
110-180	0.05	0.00	0.00
0-180	1124.5	102.20	100.00

Total Luminaire Efficiency = 102.20%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	259.28
10-20	351.02
20-30	243.02
30-40	114.46
40-50	57.93
50-60	45.45
60-70	32.33
70-80	16.74
80-90	4.11
90-100	0.11
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.01
160-170	0.03
170-180	0.01

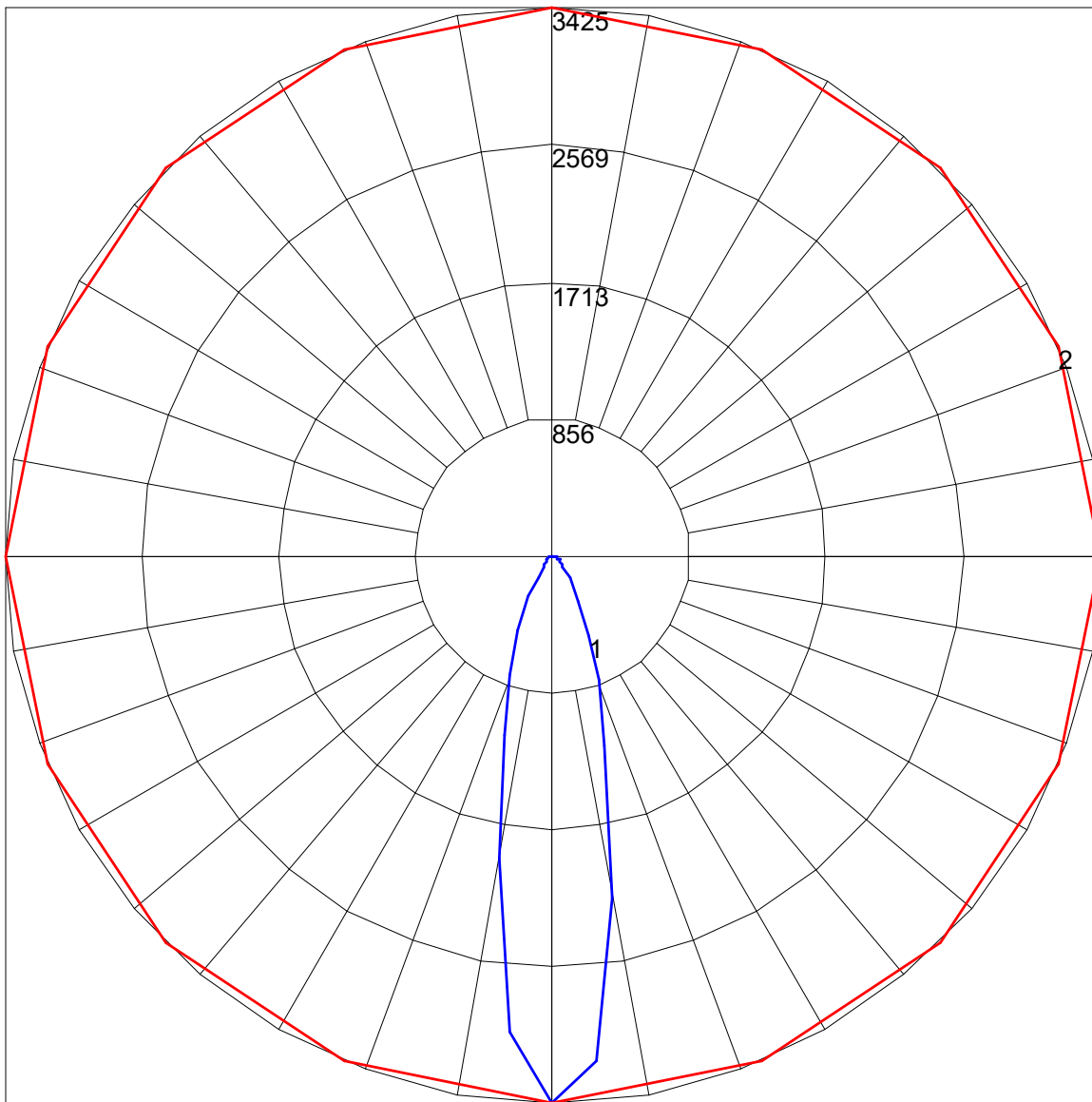
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	98	108	103	100	96	100	97	94	97	95	92	94	92	90	89
3	105	99	94	90	103	97	93	89	94	91	87	92	89	86	90	87	85	83
4	100	93	87	83	98	92	87	83	89	85	82	87	84	81	85	82	80	78
5	96	88	82	78	94	87	81	77	85	80	77	83	79	76	82	78	75	74
6	92	83	77	73	90	82	77	73	81	76	73	80	75	72	78	75	72	70
7	88	79	74	70	87	79	73	69	77	73	69	76	72	69	75	71	68	67
8	85	76	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	61
10	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59

POLAR GRAPH



Maximum Candela = 3425.29 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.)