



IES INDOOR REPORT

PHOTOMETRIC FILENAME : TESTA_24V_9W.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] T191010050
 [TESTLAB] Dongguan Hongnuo Product Testing Service Co., Ltd.
 [TESTDATE] 2019-10-10
 [ISSUEDATE] 2019-10-10 09:46:57
 [MANUFAC] BeLuce Canada Inc.
 [LAMP] TESTA 24V 9W IH-F8-48W
 [MORE] BeLuce REMOTE HEAD TESTA
 [MORE] LUMEN RATING = 1009.6 LMS
 [OTHER] EVERFINE GO-R5000_V2 SYSTEM

CHARACTERISTICS

Lumens Per Lamp	1109.6 (1 lamp)
Total Lamp Lumens	1109.6
Luminaire Lumens	1133
Total Luminaire Efficiency	102 %
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	8.967
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.48
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	5191	6045	6083
55	4527	5005	4989
65	4078	4714	4484
75	3005	3542	3775
85	1290	2202	3011

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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	3283.59	3283.59	3283.59	3283.59	3283.59	3283.59	3283.59	3283.59	3283.59	3283.59
5	3064.45	3278.71	3409.68	3431.03	3371.25	3272.67	3142.35	2980.60	2791.85	2604.58
10	2172.81	2575.58	2851.41	2877.11	2699.70	2480.11	2226.59	1979.90	1775.18	1597.64
15	1282.51	1590.33	1779.56	1759.64	1565.99	1369.81	1236.61	1148.26	1116.12	1059.75
20	920.54	1111.33	1176.94	1073.16	935.82	838.68	786.75	760.94	734.39	683.10
25	635.96	790.36	830.93	744.32	652.16	583.92	527.11	485.95	448.16	413.91
30	382.47	464.16	504.54	475.32	427.32	382.29	335.58	289.00	249.83	223.99
35	204.22	243.14	267.79	267.40	251.86	223.87	193.61	164.07	142.49	125.16
40	110.57	129.32	143.11	145.88	141.54	127.35	110.41	97.43	88.22	82.30
45	73.45	79.71	85.52	88.29	86.06	83.39	77.72	73.94	71.30	69.11
50	60.06	63.27	65.04	66.96	66.28	66.04	64.35	61.76	61.73	60.62
55	51.95	57.72	57.44	56.21	57.26	56.81	54.61	50.49	52.37	48.92
60	44.15	46.41	49.46	45.36	46.72	43.07	44.22	41.90	44.57	40.36
65	34.48	34.50	39.86	36.53	37.92	34.38	35.72	33.97	35.50	31.28
70	23.96	25.16	28.57	27.39	28.48	27.04	26.69	25.98	24.97	22.60
75	15.56	16.33	18.34	18.80	19.55	18.98	18.25	17.91	16.38	14.65
80	7.54	8.67	10.16	11.36	11.71	11.53	11.00	10.48	9.15	8.11
85	2.25	3.06	3.84	4.76	5.25	5.29	5.02	4.58	3.63	2.81
90	0.00	0.00	0.02	0.31	0.76	0.96	0.83	0.61	0.33	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	0.01
155	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.04
160	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.06	0.07
165	0.08	0.07	0.07	0.06	0.08	0.08	0.08	0.09	0.10	0.11
170	0.11	0.11	0.10	0.11	0.14	0.13	0.13	0.13	0.14	0.13
175	0.10	0.10	0.11	0.12	0.13	0.12	0.12	0.11	0.10	0.09
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	3283.59	3283.59	3283.59	3283.59	3283.59	3283.59	3283.59
5	2466.13	2376.58	2366.71	2436.55	2591.71	2815.99	3064.45
10	1442.71	1339.75	1269.38	1304.15	1452.82	1766.68	2172.81
15	973.39	882.49	830.57	840.91	902.13	1043.51	1282.51
20	630.88	585.35	570.49	594.22	645.10	746.29	920.54
25	378.45	361.03	362.58	388.31	430.99	507.45	635.96
30	205.67	198.01	202.09	222.30	257.22	309.54	382.47
35	115.53	111.48	112.49	122.54	139.61	167.66	204.22
40	79.85	77.52	77.03	80.82	86.64	95.95	110.57
45	67.61	64.19	63.93	65.27	67.10	69.03	73.45
50	58.54	53.84	54.11	56.22	56.64	57.15	60.06
55	50.29	44.52	44.63	43.66	46.73	47.40	51.95
60	42.14	37.02	36.51	35.30	37.79	38.77	44.15

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CANDELA TABULATION - (Cont.)

65	31.68	29.00	27.81	27.77	30.13	30.48	34.48
70	21.69	20.74	19.59	19.43	20.46	22.03	23.96
75	13.63	13.02	12.19	11.92	12.59	13.80	15.56
80	7.22	6.65	6.01	5.83	6.03	6.91	7.54
85	2.18	1.74	1.41	1.36	1.40	1.73	2.25
90	0.00	0.00	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
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	0.02	0.02	0.01	0.00	0.00	0.00	0.00
155	0.05	0.05	0.03	0.02	0.02	0.02	0.01
160	0.08	0.09	0.07	0.06	0.05	0.05	0.04
165	0.12	0.12	0.11	0.10	0.09	0.09	0.08
170	0.13	0.12	0.12	0.11	0.12	0.11	0.11
175	0.08	0.07	0.07	0.07	0.08	0.09	0.10
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	604.32	54.50	53.30
0-30	852.31	76.80	75.20
0-40	972.98	87.70	85.90
0-60	1079.29	97.30	95.20
0-80	1129.02	101.80	99.60
0-90	1133.15	102.10	100.00
10-90	884.36	79.70	78.00
20-40	368.66	33.20	32.50
20-50	429.00	38.70	37.90
40-70	139.11	12.50	12.30
60-80	49.73	4.50	4.40
70-80	16.93	1.50	1.50
80-90	4.13	0.40	0.40
90-110	0.07	0.00	0.00
90-120	0.07	0.00	0.00
90-130	0.07	0.00	0.00
90-150	0.07	0.00	0.00
90-180	0.11	0.00	0.00
110-180	0.04	0.00	0.00
0-180	1133.26	102.10	100.00

Total Luminaire Efficiency = 102.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	248.79
10-20	355.53
20-30	247.99
30-40	120.67
40-50	60.35
50-60	45.97
60-70	32.80
70-80	16.93
80-90	4.13
90-100	0.07
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	0.02
170-180	0.01

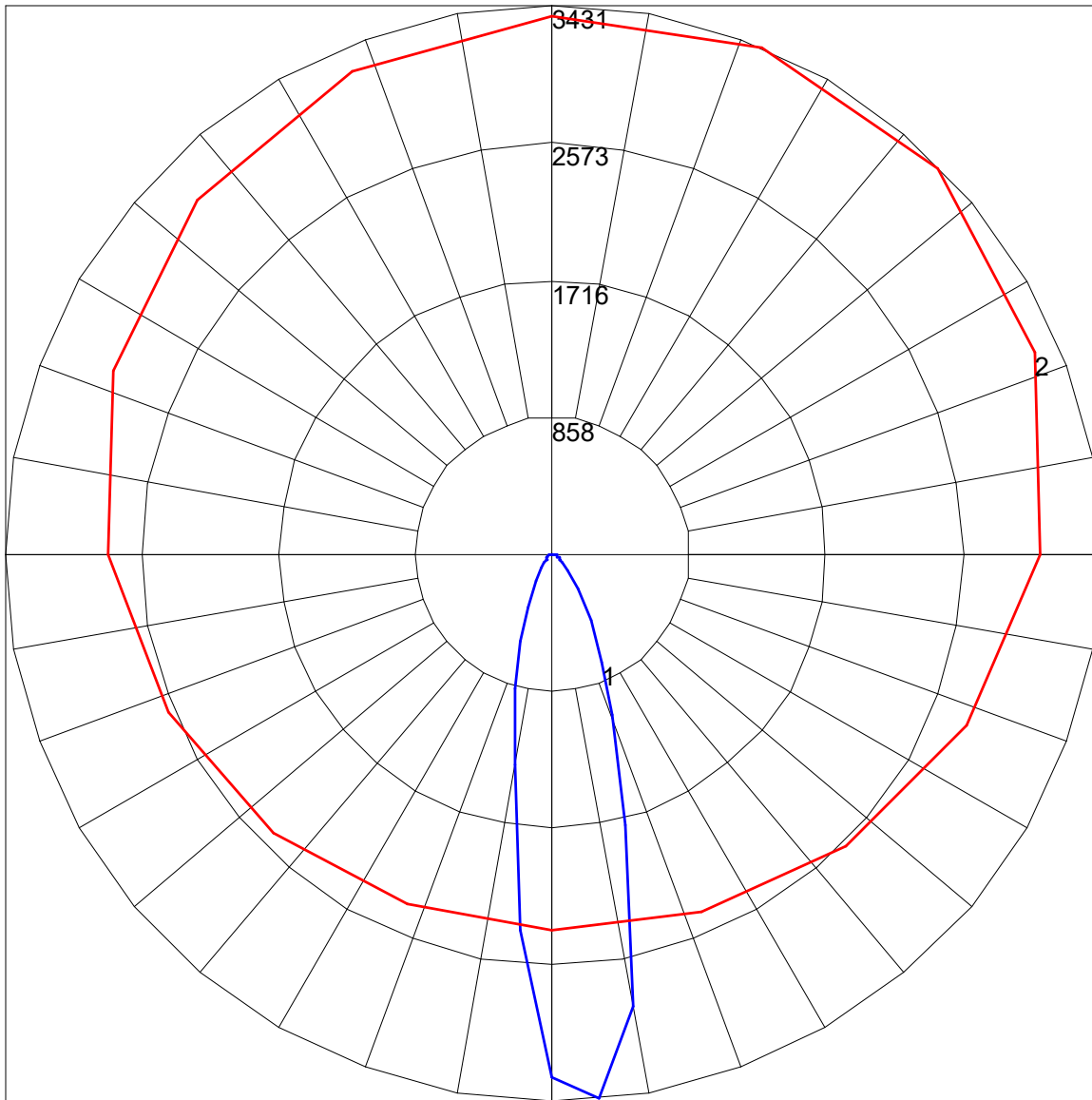
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	113	113	109	109	109	104	104	104	102
1	116	113	110	108	113	111	108	106	106	105	103	103	101	100	99	98	97	95
2	110	105	101	97	108	103	99	96	100	97	94	97	94	92	94	92	90	88
3	105	98	93	89	103	97	92	88	94	90	87	92	88	86	89	87	84	83
4	100	92	87	83	98	91	86	82	89	85	81	87	83	80	85	82	79	78
5	95	87	82	77	94	86	81	77	84	80	76	83	79	76	81	78	75	73
6	91	83	77	73	90	82	76	73	80	76	72	79	75	72	78	74	71	70
7	88	79	73	69	86	78	73	69	77	72	68	76	71	68	74	71	68	66
8	84	75	69	66	83	75	69	65	73	69	65	72	68	65	71	68	65	63
9	81	72	66	63	80	71	66	62	70	66	62	70	65	62	69	65	62	61
10	78	69	63	60	77	68	63	60	68	63	60	67	63	59	66	62	59	58

POLAR GRAPH



Maximum Candela = 3431.03 Located At Horizontal Angle = 67.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)