

## PHOTOMETRIC MEASUREMENT REPORT N° 08

Photometric measurement date: **29/08/2017**

Company: **SLAMP S.p.A.**

Operator: **/Dani**

Type of photometric measurement: **C - Gamma**

**The measurements have been performed in the following laboratory ambient conditions:**

Temperature: **23°C+/-2°C**

Relative humidity: **50% U.R.+/-15% U.R.**

Air turbulence: **< 0.2 m/s**

Stabilization time before measurement: **1 hour**

Regulations applied: **UNI EN 13032-4**

Electro Magnetic Compatibility (EMC): **Shielded instrument**

Luminaire name: **Aria Suspension L gold**

Eulumdat reference: **Aria Suspension L gold**

Size of luminaire (mm): **700 x 0 x 1150**

Size of luminous area (mm): **700 x 0**

Number n of standard sets of lamps (optional): **1**

Number of lamps: **1**

Type of light source: **LED SLAMP S.p.A. PCB**

Total luminous flux of the light source (lm): **3500**

Output luminous flux of the lamp (lm): **1597.84**

Colour temperature (K): **2700**

Colour rendering index: **0**

Supply current (mA): **280**

Source power (W): **70**

Power consumption included source power (W): **70**

LED module efficacy (lm/W): **50.00**

System light efficacy (lm/W): **50.00**

Luminaire light efficacy (lm/W): **22.83**

Light Output Ratio of luminaire (LOR): **100**

Downward Flux Fraction (DFF): **52**

Upward Flux Fraction (UFF): **48.00**

Tilt during measurement (for street luminaires): **0**

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## Luminous intensities

Gamma	C0°	C5°	C10°	C15°	C20°	C25°	C30°	C35°	C40°	C45°	C50°	C55°
0°	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65
5°	218.38	219.31	219.64	220.06	220.34	220.67	220.11	220.43	220.77	221.39	221.49	222.02
10°	214.10	214.14	214.42	214.76	214.82	214.76	214.30	214.30	213.95	213.60	213.72	214.00
15°	182.09	182.44	182.23	181.20	181.75	181.01	180.57	180.95	179.92	179.43	179.77	179.57
20°	156.94	156.81	156.86	155.63	155.29	154.43	154.28	154.18	153.83	153.35	152.30	152.04
25°	148.05	147.84	147.53	147.63	147.06	146.84	145.63	145.93	144.96	144.83	144.81	144.20
30°	129.76	129.63	129.99	129.47	129.13	129.42	129.20	128.88	128.07	127.66	127.51	127.39
35°	119.88	120.03	119.45	119.05	119.11	118.44	118.72	118.13	117.58	116.69	116.69	116.30
40°	111.29	111.76	111.30	110.52	110.97	109.66	109.65	109.07	109.15	109.16	108.74	108.09
45°	95.81	96.20	95.90	95.92	95.98	96.35	96.52	96.09	96.52	96.22	96.47	96.51
50°	88.39	89.18	88.40	88.57	88.71	88.43	88.54	88.33	88.52	87.61	87.77	88.21
55°	74.76	75.57	74.95	75.34	75.30	74.52	75.00	74.81	74.60	74.72	74.83	74.99
60°	70.19	70.92	70.41	70.79	70.35	70.62	70.39	69.68	69.54	69.49	70.10	69.57
65°	62.33	62.46	62.36	62.82	62.56	62.37	61.96	62.19	62.07	62.31	62.27	62.46
70°	57.14	57.72	57.34	57.61	56.98	57.10	57.61	57.21	56.82	56.75	57.13	57.28
75°	52.45	52.58	52.71	53.16	52.56	52.67	52.47	52.55	52.92	51.94	51.91	52.73
80°	46.35	46.58	46.30	47.00	46.95	46.95	46.90	46.84	46.98	46.45	46.63	46.89
85°	52.45	53.02	52.63	52.83	52.92	52.68	52.88	52.68	52.96	52.54	52.63	52.74
90°	42.26	43.20	42.48	42.56	43.16	43.24	42.62	43.61	43.29	43.71	43.20	43.47
95°	40.91	41.35	41.74	41.93	42.40	42.06	42.29	42.11	42.06	42.72	42.84	43.19
100°	40.11	40.93	40.86	41.06	41.10	40.58	40.57	41.05	41.08	40.98	41.14	40.97
105°	40.91	41.45	41.42	41.50	42.36	42.05	42.21	42.26	42.71	42.16	42.92	43.15
110°	43.50	43.70	44.71	44.64	44.75	45.10	44.87	44.84	45.49	44.94	45.33	45.40
115°	48.10	48.34	48.83	49.03	48.68	49.53	49.72	50.02	50.03	49.81	49.95	49.94
120°	55.13	55.82	56.03	56.15	56.57	56.28	56.52	56.77	57.17	57.78	57.98	57.54
125°	65.80	66.77	66.43	67.39	67.55	67.26	67.47	67.68	67.77	68.34	68.39	68.26
130°	75.88	76.93	77.39	77.48	78.31	78.84	78.95	79.89	79.58	80.24	80.93	80.64
135°	96.73	97.31	98.39	98.91	99.15	99.06	99.51	100.58	100.37	101.02	101.68	101.62
140°	116.75	118.09	118.51	118.86	120.05	120.02	120.76	121.83	122.01	122.55	123.72	123.70
145°	135.83	137.13	137.93	138.44	139.21	139.79	139.75	140.98	141.17	141.78	142.43	143.27
150°	159.83	160.38	160.75	162.10	162.55	162.17	162.96	163.89	164.35	164.78	165.20	165.53
155°	181.64	182.20	183.18	182.77	183.61	184.21	183.94	184.51	185.14	185.42	186.01	186.41
160°	173.76	174.30	173.33	173.19	172.10	172.60	171.19	171.16	170.90	170.15	169.83	169.88
165°	108.38	108.78	108.14	108.28	107.96	108.63	107.80	108.10	107.85	107.99	107.64	106.87
170°	49.14	48.84	47.73	46.91	46.47	45.33	43.89	43.63	42.89	41.52	40.74	39.56
175°	5.61	6.13	5.87	6.27	6.05	6.36	5.66	6.48	6.32	6.02	5.90	5.82
180°	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Gamma	C60°	C65°	C70°	C75°	C80°	C85°	C90°	C95°	C100°	C105°	C110°	C115°
0°	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65
5°	221.99	222.18	222.94	222.64	222.68	223.08	223.54	223.80	223.86	224.29	224.34	224.88
10°	214.33	213.87	214.07	214.06	213.34	213.20	213.05	213.84	212.95	213.19	212.89	213.65
15°	178.89	178.33	178.33	178.47	178.29	177.90	177.41	176.86	176.83	175.87	175.77	175.85
20°	151.47	151.33	149.95	149.47	149.26	148.48	147.92	147.76	147.74	146.49	146.32	145.97
25°	143.79	143.13	143.05	142.77	142.09	141.66	141.22	141.26	140.00	140.30	139.47	138.97
30°	127.66	127.43	126.37	126.67	126.17	126.32	125.38	125.84	124.85	124.55	124.28	124.74
35°	116.43	115.45	115.70	114.83	114.81	114.78	113.60	113.17	113.07	113.17	112.69	111.87
40°	107.73	107.31	107.20	106.61	106.57	105.78	105.88	105.05	105.21	104.73	104.17	104.16
45°	96.37	96.95	96.72	96.54	96.43	96.52	96.59	96.71	96.55	96.57	97.06	96.60
50°	88.11	87.24	87.24	87.66	87.38	87.71	86.95	86.76	87.23	86.79	86.34	86.98
55°	75.07	74.97	74.76	74.52	74.07	74.65	73.91	74.00	74.49	73.86	73.54	74.33
60°	69.82	69.36	69.27	69.05	69.66	69.42	69.23	69.39	68.67	69.15	68.60	68.18
65°	62.26	62.33	61.77	61.84	62.14	61.47	61.13	60.97	61.21	61.71	61.54	61.28
70°	56.80	57.08	56.79	56.86	56.80	56.91	56.28	56.39	56.22	56.34	56.57	56.81

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75°	52.45	51.72	51.97	52.16	51.56	52.02	51.51	52.24	52.13	51.85	52.03	52.02
80°	46.40	46.04	45.90	46.21	46.10	46.15	46.47	45.93	46.48	45.65	45.72	46.29
85°	52.04	52.67	51.97	52.05	51.53	51.72	51.40	51.87	51.78	51.58	51.32	51.30
90°	43.84	43.07	43.29	43.78	44.09	43.32	44.01	43.57	44.20	43.51	43.87	44.29
95°	43.27	43.09	42.88	43.28	43.14	43.34	43.65	44.24	43.86	44.45	43.88	44.55
100°	41.60	41.42	41.83	41.55	41.45	41.66	42.12	42.10	41.56	42.07	42.33	41.81
105°	42.76	43.35	43.00	43.71	43.28	43.52	43.38	44.22	44.35	44.49	44.68	44.17
110°	45.51	45.59	46.40	46.49	45.79	45.95	46.51	46.84	47.29	46.61	47.14	47.29
115°	49.93	50.78	50.60	50.95	50.99	50.89	51.07	50.62	51.27	51.73	51.41	51.38
120°	57.60	57.97	58.16	58.68	58.61	59.03	58.72	58.78	59.69	59.09	59.81	60.27
125°	68.52	68.74	69.45	69.61	69.42	70.35	70.54	70.56	70.76	71.21	71.51	71.39
130°	81.83	81.93	82.84	82.87	83.66	84.22	84.03	84.20	85.47	85.51	85.45	86.54
135°	101.91	102.58	103.61	103.29	103.98	103.92	104.84	105.36	105.19	106.14	106.37	106.78
140°	124.80	124.64	125.26	126.55	126.63	127.63	128.13	128.79	129.15	130.19	130.52	131.49
145°	143.39	144.92	145.18	145.93	146.06	146.58	147.57	147.83	149.23	150.02	150.46	150.76
150°	165.57	166.21	167.18	166.68	167.46	167.94	168.04	169.40	168.98	170.18	170.31	171.26
155°	186.44	186.36	187.05	187.68	187.68	188.69	188.22	188.64	189.17	189.73	189.91	190.20
160°	169.47	168.34	168.03	168.22	167.16	167.41	166.45	166.19	165.20	165.67	164.79	163.94
165°	107.36	106.65	106.95	107.20	106.34	105.96	106.26	106.34	106.51	105.46	105.26	105.32
170°	38.85	37.73	37.60	36.51	35.19	34.78	33.46	32.64	31.64	31.07	29.83	29.35
175°	5.50	6.31	6.04	6.30	6.32	6.29	5.88	6.13	6.27	5.48	5.42	5.75
180°	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Gamma	C120°	C125°	C130°	C135°	C140°	C145°	C150°	C155°	C160°	C165°	C170°	C175°
0°	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65
5°	225.28	224.90	225.65	225.38	225.60	226.06	226.60	227.24	227.25	227.54	227.16	227.63
10°	213.29	213.09	213.50	213.18	213.04	212.85	212.83	212.30	212.77	212.74	212.50	212.19
15°	175.62	175.38	174.75	174.76	173.95	173.51	173.97	173.00	173.42	173.10	172.55	172.07
20°	145.38	145.15	144.60	143.98	143.48	143.04	142.68	141.51	141.53	141.07	140.74	139.42
25°	138.70	138.12	138.03	137.52	137.35	137.03	136.19	135.58	135.14	135.57	134.39	133.92
30°	124.72	123.48	123.70	123.69	123.33	123.24	122.84	122.28	122.22	121.64	122.11	121.19
35°	111.41	111.05	111.31	110.99	110.07	110.43	110.22	109.89	109.15	108.99	108.53	107.78
40°	104.20	103.71	103.14	103.25	102.22	102.53	102.35	101.91	101.61	101.17	100.52	99.96
45°	96.79	96.71	96.89	97.31	96.98	96.83	96.97	97.53	97.03	97.10	97.72	97.57
50°	86.71	86.47	86.45	86.19	85.83	86.54	86.22	86.31	86.21	86.16	85.98	86.01
55°	74.05	73.64	73.55	73.97	73.93	73.99	73.40	73.30	72.96	73.04	73.55	72.88
60°	68.71	68.38	68.34	68.21	68.15	68.33	67.87	67.89	67.20	68.03	67.29	67.42
65°	61.09	61.16	61.39	60.59	60.90	61.18	60.76	60.40	60.27	60.31	60.27	60.16
70°	56.72	55.88	55.82	55.76	55.82	56.44	56.27	55.64	55.99	56.29	56.12	55.82
75°	51.11	51.75	51.38	51.75	51.17	51.18	51.58	51.35	51.34	51.33	51.30	51.00
80°	46.35	45.79	45.36	46.07	45.48	45.48	45.25	45.64	45.82	45.67	45.05	45.22
85°	51.74	51.53	51.29	51.31	51.32	51.17	51.21	50.82	50.92	51.35	50.94	50.46
90°	44.33	44.47	44.55	44.18	43.84	44.80	44.89	44.12	44.31	44.71	44.87	45.04
95°	44.92	44.35	44.56	44.57	44.91	45.56	45.30	45.06	45.63	45.94	46.11	45.71
100°	42.39	42.45	42.02	42.66	42.43	42.87	42.62	42.20	42.83	43.07	43.28	42.74
105°	44.89	45.04	45.10	44.82	45.05	44.63	45.36	44.97	45.22	45.78	45.79	45.65
110°	47.24	47.19	47.92	47.63	48.19	48.30	47.82	48.19	48.79	48.53	49.19	49.34
115°	51.62	51.82	51.92	51.70	52.53	52.54	52.54	52.87	52.67	52.72	52.94	53.35
120°	60.29	60.50	60.38	60.79	60.54	60.95	61.48	61.68	62.10	62.21	61.51	61.92
125°	71.68	71.66	71.52	72.45	72.37	72.57	72.41	73.48	73.48	73.53	73.59	74.15
130°	87.23	86.98	87.94	88.19	88.30	89.30	89.66	89.43	89.81	90.23	91.05	91.02
135°	107.10	108.06	108.30	108.50	109.03	109.19	110.28	110.22	111.00	111.32	111.33	112.36
140°	131.17	132.55	132.54	133.89	134.00	134.65	135.69	136.30	136.48	137.45	137.78	138.39
145°	151.26	151.64	152.91	153.43	153.75	154.33	155.22	155.63	156.06	156.65	157.31	158.78
150°	171.32	171.23	172.63	172.85	173.38	173.28	174.00	174.42	175.11	175.39	176.24	176.76
155°	190.66	191.60	191.81	191.43	192.38	192.87	192.69	193.48	193.18	194.12	194.43	194.85
160°	163.53	163.00	163.42	162.46	161.77	161.92	161.50	160.47	160.08	159.69	159.23	159.14

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165°	104.94	104.94	104.65	104.54	105.08	105.10	104.73	104.91	104.53	104.54	104.25	103.89
170°	27.94	27.78	26.36	25.37	25.38	23.93	23.31	21.99	21.35	20.85	19.15	18.50
175°	5.54	5.30	5.93	5.81	5.82	6.10	5.89	5.21	5.14	5.10	5.82	5.93
180°	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Gamma	C180°	C185°	C190°	C195°	C200°	C205°	C210°	C215°	C220°	C225°	C230°	C235°
0°	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65
5°	227.63	227.93	228.08	227.36	226.94	227.29	226.89	225.92	226.11	226.08	225.38	225.36
10°	211.89	212.61	213.00	212.52	212.89	212.89	212.51	212.63	212.98	212.90	212.88	213.46
15°	171.35	172.14	172.41	172.60	173.44	173.75	173.58	173.52	173.79	174.39	174.62	174.93
20°	138.85	139.81	140.16	140.57	141.86	142.34	142.10	142.63	143.12	144.28	144.16	144.59
25°	133.50	134.22	135.12	135.18	135.18	135.69	136.18	136.48	137.70	137.23	137.74	138.57
30°	120.71	121.96	121.89	121.64	122.45	122.66	122.36	122.78	123.69	123.86	123.58	123.86
35°	107.12	107.87	108.56	108.56	108.77	109.24	109.46	109.91	110.43	111.28	111.01	111.51
40°	99.40	100.22	100.11	101.10	101.04	101.15	101.59	101.83	102.56	102.70	103.40	103.54
45°	96.86	97.53	96.95	96.81	97.66	96.96	97.30	96.82	97.15	96.82	96.76	97.43
50°	85.02	85.52	85.21	85.55	85.76	86.45	85.82	86.18	86.13	86.76	86.02	86.18
55°	72.72	72.98	73.03	73.83	73.01	73.48	73.23	73.67	73.88	73.42	73.90	73.44
60°	66.81	67.82	67.32	67.97	68.15	67.76	68.05	68.02	67.98	67.79	67.86	68.53
65°	59.71	59.93	60.36	60.71	60.85	60.35	61.07	60.23	61.06	60.40	61.39	61.39
70°	55.15	55.91	55.55	56.21	56.00	56.21	55.71	55.95	56.38	56.50	56.24	55.96
75°	50.34	50.47	51.43	50.74	50.58	51.38	51.52	51.70	51.16	51.72	50.95	51.65
80°	44.97	45.89	46.00	45.57	45.31	45.80	46.18	45.87	45.68	45.51	45.49	45.75
85°	50.34	50.69	50.73	51.32	51.34	51.20	50.93	51.74	51.40	51.79	51.54	51.92
90°	44.28	44.44	44.35	45.02	44.64	44.18	44.71	44.72	44.58	44.06	43.89	44.00
95°	45.52	46.27	45.93	45.55	45.56	45.21	45.19	45.27	45.42	44.49	44.77	44.50
100°	42.49	42.93	42.75	42.31	42.66	42.79	42.63	42.89	42.05	42.50	42.51	42.07
105°	45.52	46.19	46.09	45.46	45.93	45.53	45.05	45.61	44.81	44.45	44.51	44.58
110°	48.58	48.81	48.67	48.37	48.81	48.81	48.21	47.88	47.79	48.21	48.08	48.00
115°	52.84	52.81	53.02	52.75	53.31	53.15	53.02	52.57	52.68	51.89	52.50	51.98
120°	61.87	61.86	61.57	61.46	61.31	61.69	61.39	61.48	60.72	60.45	60.66	60.66
125°	73.73	74.17	73.73	73.66	72.96	73.48	72.95	73.15	72.05	72.65	71.64	72.21
130°	91.43	91.08	91.54	90.90	89.81	89.81	89.25	88.46	88.09	88.00	87.31	87.62
135°	111.96	112.20	111.14	110.78	110.70	110.42	109.49	109.99	108.97	108.76	108.60	107.87
140°	138.37	138.32	137.30	137.40	136.71	135.74	135.27	134.18	133.75	133.13	133.17	132.31
145°	158.51	158.34	157.36	157.24	156.16	155.84	155.59	154.87	154.36	153.27	152.80	152.06
150°	176.21	176.63	176.21	175.43	175.06	174.25	174.41	173.46	173.11	172.94	172.36	172.01
155°	194.55	194.50	194.08	193.85	193.31	193.61	192.92	192.76	192.02	191.89	191.72	190.61
160°	158.23	159.09	159.50	160.51	160.05	161.24	161.71	162.19	162.56	162.39	162.62	163.74
165°	103.21	104.05	104.41	103.93	103.98	104.57	104.23	104.88	105.15	104.70	104.87	105.13
170°	17.31	18.24	19.66	20.09	21.60	22.69	23.53	24.49	24.58	25.79	26.55	27.59
175°	5.04	5.85	5.34	5.10	5.38	5.21	5.33	5.77	5.96	5.89	5.24	6.02
180°	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Gamma	C240°	C245°	C250°	C255°	C260°	C265°	C270°	C275°	C280°	C285°	C290°	C295°
0°	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65
5°	224.71	224.37	224.35	224.36	223.58	223.30	223.43	223.28	222.83	222.25	222.27	221.85
10°	213.23	212.89	213.29	213.32	213.31	213.90	213.78	213.69	213.16	213.87	213.48	214.14
15°	175.14	176.00	175.94	176.54	177.01	177.05	176.80	177.13	177.42	178.34	178.07	178.40
20°	145.56	146.20	146.15	147.16	147.65	148.32	148.03	149.23	149.29	149.81	150.13	151.01
25°	138.93	139.21	140.00	140.16	140.10	141.09	141.05	141.49	141.77	142.37	143.24	142.90
30°	124.14	124.02	125.08	124.62	124.93	125.07	126.06	125.55	126.05	126.26	126.77	126.52
35°	112.18	112.62	113.06	112.96	113.28	114.12	114.23	114.01	114.67	114.81	115.73	115.43
40°	104.32	103.80	104.58	104.77	105.24	105.15	106.23	105.90	106.37	107.27	107.42	107.83
45°	97.05	96.68	97.12	96.99	97.23	96.86	96.56	97.14	96.36	96.82	96.61	96.41
50°	86.15	86.61	86.79	86.56	87.22	86.79	87.28	87.45	87.70	87.89	87.97	87.57
55°	73.71	73.54	73.66	74.57	73.87	74.03	73.91	74.02	74.75	74.26	74.40	74.26
60°	68.55	68.85	68.40	68.75	68.87	68.94	69.32	69.52	69.04	68.85	69.44	69.64

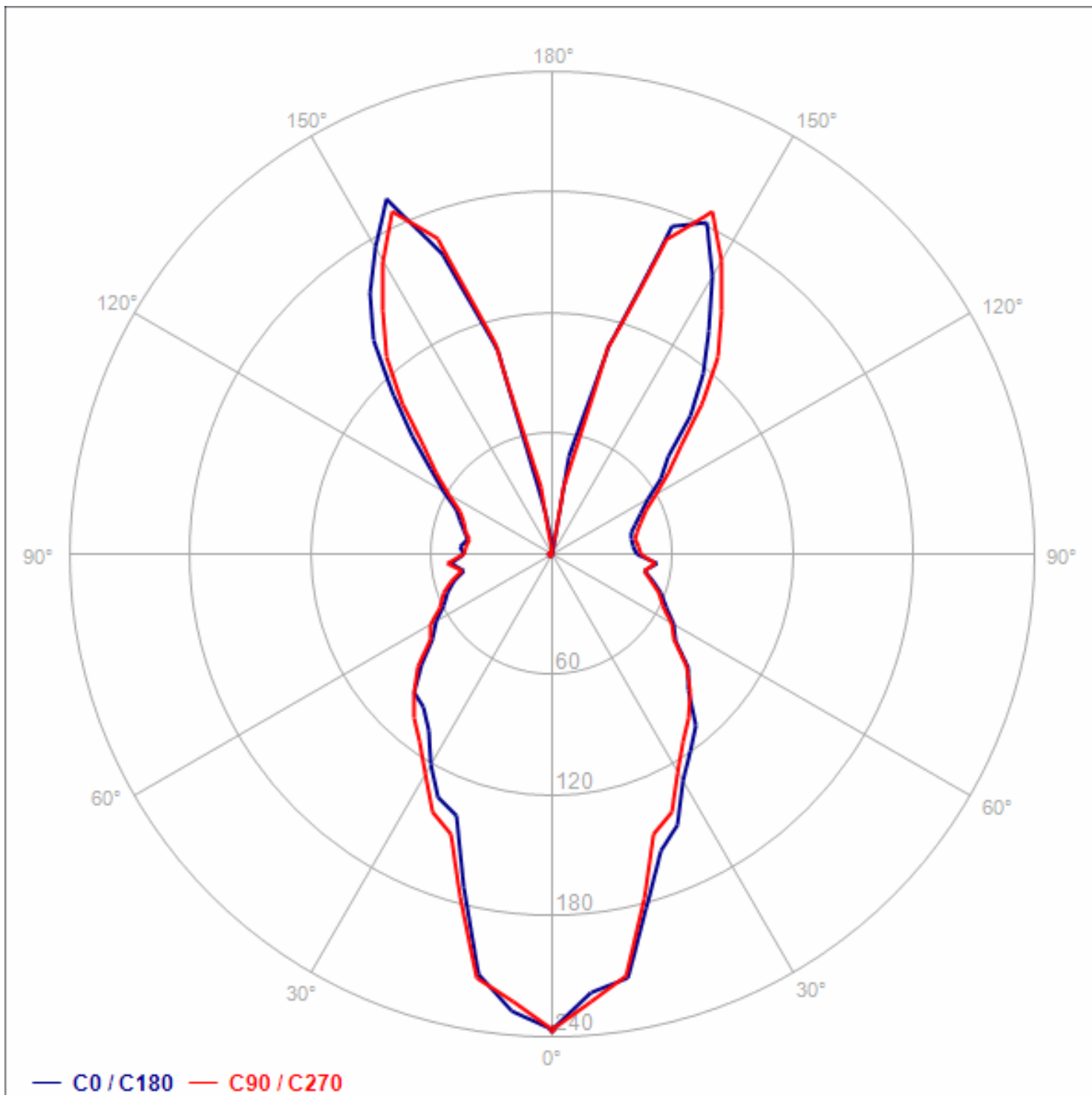
# PHOTOMETRIC MEASUREMENT REPORT N° 08

65°	61.33	61.58	61.23	61.53	60.94	61.41	62.00	61.56	62.11	61.54	61.33	62.18
70°	56.35	56.83	56.58	56.92	56.68	56.58	57.14	57.07	57.15	56.96	56.94	56.66
75°	51.07	51.86	51.37	51.36	51.64	52.04	52.28	52.07	52.12	51.69	51.99	52.59
80°	45.95	46.46	45.57	45.76	46.38	46.23	45.78	46.57	45.86	46.26	46.29	46.04
85°	52.02	51.67	51.64	51.95	51.40	52.28	52.11	52.02	52.03	51.77	52.10	52.18
90°	44.01	43.56	44.11	44.18	44.05	43.43	43.55	43.77	43.17	43.20	43.81	43.85
95°	44.53	44.79	44.13	43.64	43.70	44.16	43.52	44.01	43.61	43.73	42.79	43.14
100°	41.84	42.52	42.31	42.19	41.82	41.78	42.15	41.75	41.99	41.65	41.56	41.26
105°	44.21	44.42	44.48	44.52	43.54	44.33	44.17	43.89	43.66	42.92	42.83	42.76
110°	47.80	46.91	47.25	47.34	46.58	46.32	46.75	46.09	46.40	45.79	46.31	46.17
115°	52.20	51.57	51.18	51.10	51.56	51.50	50.83	51.18	50.65	50.17	50.55	49.90
120°	59.78	59.83	59.68	59.94	59.67	58.70	58.88	58.51	58.72	58.53	58.46	57.73
125°	71.49	71.02	71.31	71.38	70.38	70.16	70.68	69.67	69.85	69.85	69.10	69.14
130°	86.37	86.14	85.41	85.87	85.31	84.78	83.93	83.40	83.11	82.87	82.48	82.01
135°	107.43	106.91	106.39	106.07	105.98	105.74	104.51	104.54	104.43	103.54	103.32	103.19
140°	132.06	131.35	130.32	129.73	129.10	128.75	128.52	127.13	127.11	126.65	125.63	125.16
145°	151.06	151.22	150.35	149.19	148.53	148.25	147.62	147.09	146.05	145.83	145.28	144.16
150°	171.02	170.65	170.69	169.53	169.34	169.00	168.49	167.96	167.72	167.12	166.95	166.11
155°	190.64	190.01	189.84	189.78	189.04	188.53	188.24	187.98	188.16	187.97	186.97	187.25
160°	163.51	164.11	165.06	165.51	165.64	165.72	166.58	166.83	167.76	167.50	168.40	168.80
165°	105.12	105.77	105.53	105.55	105.59	106.29	105.92	106.47	106.39	106.56	107.01	107.07
170°	27.96	29.53	30.30	31.37	32.42	33.16	33.48	34.66	35.79	35.89	37.05	38.38
175°	6.21	5.74	5.78	5.81	5.90	5.52	5.59	5.81	6.01	5.45	6.13	5.56
180°	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Gamma	C300°	C305°	C310°	C315°	C320°	C325°	C330°	C335°	C340°	C345°	C350°	C355°
0°	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65	236.65
5°	222.34	222.03	221.10	220.75	220.57	220.86	220.63	220.64	220.15	219.88	219.03	219.24
10°	214.01	214.06	213.81	213.76	214.00	213.96	214.07	213.92	214.34	214.87	213.99	214.64
15°	178.99	179.34	179.83	179.89	180.41	180.97	180.43	181.24	181.40	181.33	181.87	182.00
20°	151.64	151.49	152.30	152.95	153.33	154.29	154.60	155.12	155.80	155.93	156.09	157.38
25°	143.76	144.31	144.64	144.66	144.84	146.12	146.62	146.92	147.33	147.28	148.02	148.50
30°	127.54	127.64	127.55	127.81	128.13	128.14	129.00	129.46	129.16	129.11	129.30	129.52
35°	115.87	116.07	117.04	116.74	117.68	117.80	118.34	118.22	119.37	119.12	120.01	120.03
40°	107.50	108.60	108.05	108.39	109.06	109.07	110.05	110.37	110.62	110.36	111.31	111.54
45°	96.85	97.13	97.05	96.35	96.74	96.47	96.53	96.94	96.15	96.37	96.84	96.80
50°	87.64	87.91	88.25	88.30	88.03	88.12	88.07	88.86	88.57	88.92	88.62	88.85
55°	74.59	74.73	74.77	75.08	75.28	74.42	75.03	74.93	75.01	74.74	75.49	75.11
60°	69.40	69.76	69.97	69.65	69.62	69.98	70.35	70.54	69.86	70.18	70.80	71.00
65°	62.38	62.24	62.39	62.13	62.61	62.58	62.52	62.52	62.09	62.92	62.83	62.36
70°	56.92	57.08	57.42	56.72	56.81	57.15	57.14	57.33	57.20	57.87	57.40	57.40
75°	52.24	52.13	51.90	52.92	52.26	52.16	52.58	52.34	52.32	52.65	52.77	52.99
80°	45.97	46.28	46.87	46.54	46.68	46.54	46.48	46.48	46.92	46.87	46.61	47.17
85°	52.09	52.37	52.33	52.49	52.37	52.24	52.50	52.21	52.86	53.09	53.24	52.49
90°	43.20	43.17	43.04	42.89	42.93	43.20	42.92	42.75	43.41	42.45	43.17	42.53
95°	42.97	43.08	42.69	42.83	42.01	42.02	42.18	41.90	41.49	42.15	41.54	41.36
100°	41.17	41.62	41.68	41.09	41.14	41.40	40.80	40.74	40.86	41.18	41.19	40.62
105°	42.94	42.66	42.84	42.23	42.68	42.71	42.20	42.19	41.71	41.40	41.81	41.14
110°	45.82	45.42	45.70	45.30	45.41	45.31	45.23	45.13	44.15	43.97	44.19	44.02
115°	50.11	49.73	49.65	49.70	49.90	49.08	49.83	49.71	49.42	48.83	48.96	48.58
120°	57.97	57.98	57.57	57.40	57.56	56.54	56.61	56.92	56.13	55.92	56.15	55.37
125°	69.36	68.55	68.92	68.61	68.11	68.07	67.81	67.38	66.85	66.59	66.24	66.40
130°	81.77	81.40	81.02	79.85	79.41	79.16	79.29	78.57	78.60	77.45	77.71	76.38
135°	102.48	101.58	101.10	100.82	101.11	100.58	99.54	99.64	98.79	98.05	98.38	97.35
140°	124.40	124.01	123.55	122.45	122.23	121.01	120.80	119.92	119.49	119.04	117.99	118.16
145°	143.87	143.32	142.86	141.77	141.20	140.56	139.93	139.65	138.36	137.75	137.61	137.28
150°	165.61	165.18	164.45	164.80	163.85	163.08	163.23	162.75	162.40	161.83	161.33	160.78

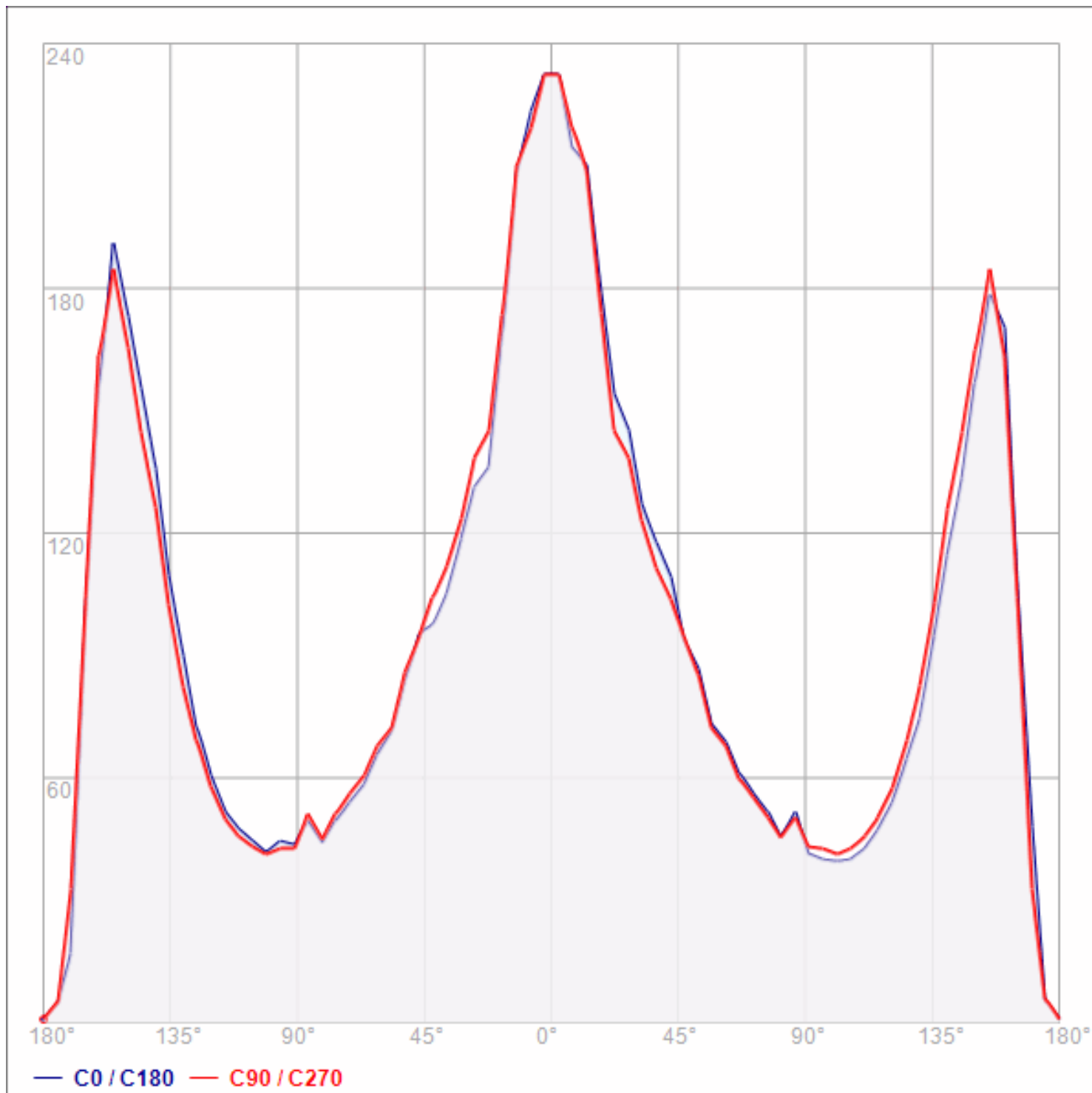
# PHOTOMETRIC MEASUREMENT REPORT N° 08

155°	186.10	185.62	186.14	185.13	185.20	184.38	183.82	184.34	183.95	182.94	183.10	182.94
160°	169.26	169.03	170.32	170.33	170.63	170.76	171.52	171.68	172.55	173.45	173.56	174.31
165°	107.41	107.40	107.62	107.37	107.77	107.43	107.67	108.48	108.60	108.21	108.62	108.54
170°	38.96	40.39	40.47	42.14	42.54	43.54	44.67	45.34	46.26	46.81	47.68	49.16
175°	6.00	5.98	5.48	6.41	5.67	5.65	6.45	6.38	5.59	6.06	6.26	6.51
180°	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92

Photometric Polar Diagram

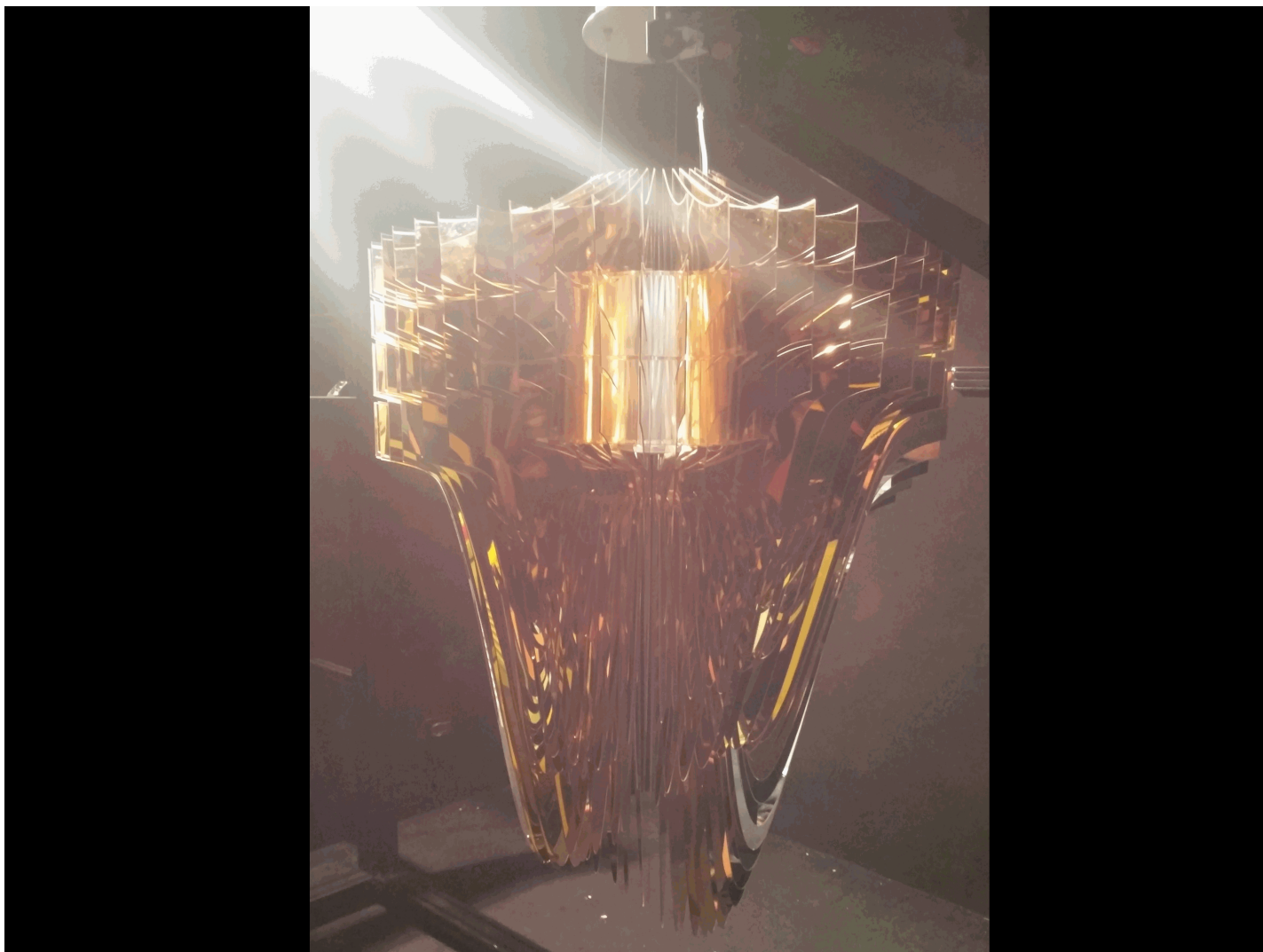


## Photometric Cartesian Diagram





**Light Emmission Photo**





## Opening angle

