

PHOTOMETRIC MEASUREMENT REPORT N° 12

Photometric measurement date: **3/10/2017/**

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

Operator: **Sedis Light Technology**

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: **Veli suspension M couture**

Eulumdat reference: **Veli suspension M couture**

Size of luminaire (mm): **420 x 0 x 360**

Size of luminous area (mm): **420 x 0**

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

Number of lamps: **1**

Type of light source: **LED Filament E27 light bulb Centuri Led Goccia incanto 60**

Total luminous flux of the light source (lm): **1620**

Output luminous flux of the lamp (lm): **1461.42**

Colour temperature (K): **2700**

Colour rendering index: **0**

Supply current (mA): **80**

Source power (W): **14.4**

Power consumption included source power (W): **16**

LED module efficacy (lm/W): **112.50**

System light efficacy (lm/W): **101.25**

Luminaire light efficacy (lm/W): **91.34**

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

Downward Flux Fraction (DFF): **53**

Upward Flux Fraction (UFF): **47.00**

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°	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42
5°	105.53	105.43	105.43	105.43	105.43	105.43	105.43	105.13	105.13	104.84	104.84	104.84
10°	101.00	102.07	102.07	102.59	102.80	102.80	102.80	103.32	103.32	103.75	103.53	103.84
15°	98.47	99.17	99.48	100.49	101.01	101.81	101.41	101.71	102.11	102.43	102.72	102.72
20°	94.64	95.35	95.25	95.25	95.35	95.76	95.87	95.87	96.58	96.58	97.71	97.61
25°	91.46	91.96	91.66	91.89	91.26	90.35	90.27	90.15	91.06	90.64	91.26	91.34
30°	95.11	94.53	92.39	91.33	91.33	90.56	89.87	89.20	88.62	88.32	87.94	88.52
35°	94.81	95.31	93.04	91.56	91.56	90.26	88.97	87.79	86.11	84.22	84.13	84.34
40°	94.23	93.94	92.43	93.00	92.06	90.53	89.30	87.30	85.41	82.37	80.48	79.52
45°	93.99	92.10	91.62	94.20	91.62	91.62	91.34	87.27	84.69	81.13	78.33	77.95
50°	91.89	90.12	92.28	93.45	92.56	92.48	91.39	86.20	81.19	77.35	76.08	76.19
55°	89.97	91.32	93.71	94.01	93.43	92.47	90.45	83.83	78.35	75.57	75.47	74.90
60°	89.84	92.37	96.73	90.85	86.79	88.11	86.89	82.34	79.49	76.14	76.86	74.22
65°	91.46	90.83	91.25	85.92	80.51	79.47	82.49	82.17	80.09	75.19	73.73	71.85
70°	90.53	87.59	88.63	83.02	75.62	74.45	74.54	76.35	73.80	70.20	68.83	68.71
75°	86.58	83.75	82.49	76.07	73.66	73.88	73.14	73.66	70.49	67.65	67.13	69.45
80°	81.59	78.74	74.88	71.84	73.56	74.78	74.47	73.15	68.59	66.66	66.35	67.27
85°	81.06	77.73	72.44	73.59	73.16	74.09	74.63	72.12	67.86	66.94	66.21	66.41
90°	80.58	78.59	73.29	71.40	71.02	71.61	72.30	69.72	68.12	68.12	66.63	66.23
95°	76.30	78.57	82.63	83.57	81.60	77.65	73.70	76.61	75.68	76.61	77.65	76.30
100°	76.01	74.59	75.70	75.91	75.00	73.68	72.36	74.30	74.08	75.31	75.00	75.31
105°	73.61	71.50	70.77	71.85	72.67	71.93	70.98	71.29	73.31	73.18	73.73	72.46
110°	71.87	70.83	70.18	70.18	70.71	69.45	73.26	72.61	71.87	71.26	71.47	71.04
115°	74.37	74.69	73.97	73.34	73.34	73.12	76.67	76.67	74.69	72.70	71.97	73.65
120°	79.60	80.82	78.28	74.93	74.12	74.74	76.76	76.66	74.43	72.50	72.19	73.82
125°	82.18	80.94	79.11	80.07	80.84	79.69	75.66	75.46	73.83	73.64	69.51	70.76
130°	81.16	80.57	83.40	90.65	100.47	99.85	91.63	84.39	81.27	70.18	68.61	69.09
135°	81.91	83.20	88.25	96.25	98.44	96.46	86.06	77.93	72.70	71.20	71.20	72.49
140°	79.99	81.23	84.26	85.50	84.26	82.46	77.90	75.73	74.87	74.49	74.58	76.96
145°	78.07	78.07	79.16	79.76	79.36	79.36	80.93	81.91	84.78	87.33	87.04	89.82
150°	80.38	79.21	79.41	79.51	79.11	81.35	85.32	90.26	96.06	100.13	100.13	104.88
155°	80.03	79.83	80.82	82.02	81.52	83.25	88.50	95.66	100.82	103.84	106.27	108.50
160°	78.40	79.32	81.06	81.38	82.92	83.02	84.57	90.73	95.14	97.72	99.26	100.28
165°	78.15	79.16	79.86	80.79	81.80	82.50	83.12	84.44	85.44	87.29	88.91	88.91
170°	77.31	77.83	78.46	78.67	79.62	79.71	80.35	80.35	80.86	81.07	82.02	82.02
175°	79.13	78.83	79.42	79.42	79.42	79.83	80.13	80.03	80.13	80.73	80.73	80.73
180°	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11
Gamma	C60°	C65°	C70°	C75°	C80°	C85°	C90°	C95°	C100°	C105°	C110°	C115°
0°	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42
5°	104.84	105.23	105.23	105.23	105.23	105.23	105.23	105.23	105.13	104.74	104.74	104.74
10°	103.84	104.47	104.47	104.26	103.84	104.26	103.84	104.26	104.47	104.78	104.78	104.78
15°	103.43	103.43	103.65	103.34	102.64	102.64	103.34	104.04	104.66	104.26	104.66	104.66
20°	97.92	98.32	98.54	98.54	98.85	98.94	98.22	97.92	97.51	97.61	97.20	96.58
25°	91.96	92.46	92.88	94.00	94.00	93.19	92.68	91.57	91.87	91.45	91.25	90.63
30°	88.91	88.91	89.59	90.74	91.71	91.43	90.46	89.77	89.19	89.49	89.09	89.19
35°	84.13	83.54	84.02	85.59	86.40	86.29	86.00	85.40	85.40	85.40	85.20	84.80
40°	79.61	79.61	80.75	82.36	83.79	83.70	83.31	82.27	81.41	81.41	81.61	83.22
45°	78.55	78.55	79.15	79.84	80.82	81.41	81.80	81.11	80.42	80.42	83.59	83.98
50°	76.48	76.48	77.56	77.76	78.05	78.05	78.94	78.53	78.82	78.82	81.55	82.15
55°	74.90	75.27	75.86	76.53	76.43	76.43	76.14	75.85	74.80	76.04	78.24	80.74
60°	73.61	73.51	74.53	74.43	75.13	76.15	73.82	72.60	72.80	74.12	75.75	78.99
65°	71.85	72.27	72.07	71.45	71.85	72.49	72.07	71.04	71.13	72.49	73.12	77.40
70°	69.99	69.78	69.03	68.29	67.77	68.20	68.29	68.29	68.29	69.26	69.87	74.11

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75°	69.33	70.18	70.49	69.00	68.19	67.66	67.63	68.79	69.43	68.71	68.06	69.95
80°	68.28	71.53	71.53	70.83	69.91	69.29	69.91	71.23	72.45	71.74	70.13	69.91
85°	68.07	70.77	70.58	68.50	68.50	68.50	70.37	73.06	74.12	71.72	68.82	69.43
90°	69.72	73.12	71.02	67.74	68.21	67.74	71.31	76.61	79.58	74.42	67.74	67.05
95°	73.70	69.95	68.51	74.32	81.39	81.39	75.04	69.74	69.12	68.70	72.45	73.80
100°	74.38	71.96	70.13	71.14	75.31	76.01	70.52	66.97	65.96	66.66	68.19	68.28
105°	70.05	71.20	71.50	71.93	72.36	70.47	66.90	64.18	63.46	63.03	64.10	64.91
110°	70.83	69.66	69.56	70.83	69.14	67.44	65.11	64.58	63.52	61.62	61.10	62.27
115°	75.10	75.10	72.07	71.35	69.67	68.74	65.81	66.75	67.07	63.83	63.51	64.77
120°	74.12	72.19	69.86	68.54	68.24	67.94	66.92	68.04	68.34	65.70	65.80	66.11
125°	70.57	67.78	66.82	66.82	66.82	67.78	67.50	67.41	67.50	65.67	65.30	65.68
130°	69.21	67.53	65.77	65.97	67.05	69.40	69.88	68.81	68.32	66.76	67.16	66.76
135°	73.68	71.20	70.22	69.62	70.91	72.70	74.08	73.39	73.48	71.91	70.03	69.33
140°	82.66	88.44	84.55	85.03	82.08	85.03	90.90	91.85	96.12	96.41	89.68	83.80
145°	96.32	101.05	106.49	103.93	99.59	101.05	103.32	103.41	109.45	106.29	102.34	94.92
150°	113.21	112.53	106.23	105.75	105.75	107.77	109.04	109.91	109.04	106.62	105.17	102.65
155°	111.84	116.77	116.28	109.29	107.49	108.99	108.38	109.49	107.49	102.64	99.20	96.40
160°	102.03	102.95	104.91	105.84	106.24	105.53	104.81	103.88	101.93	98.24	94.74	91.85
165°	90.02	90.14	90.84	91.94	92.07	92.16	92.87	92.16	91.55	90.94	89.22	88.61
170°	82.66	82.54	83.09	82.87	82.74	82.74	82.74	82.87	82.66	81.71	82.02	82.02
175°	80.63	81.13	81.13	81.42	81.33	81.33	81.33	81.33	81.42	81.03	80.73	81.13
180°	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11
Gamma	C120°	C125°	C130°	C135°	C140°	C145°	C150°	C155°	C160°	C165°	C170°	C175°
0°	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42
5°	104.84	104.53	104.53	104.53	104.43	104.43	104.43	104.43	104.43	104.43	104.43	104.43
10°	104.26	103.84	104.26	103.63	103.11	103.11	102.47	102.38	101.83	101.95	102.17	101.74
15°	103.95	102.64	101.71	100.39	100.48	100.08	100.08	100.00	100.39	100.39	100.08	99.78
20°	95.87	95.24	94.63	93.91	94.63	94.53	94.53	94.93	94.63	94.63	94.63	93.91
25°	90.13	90.56	89.93	89.93	91.05	90.75	90.75	90.63	91.67	92.16	92.25	91.74
30°	89.49	89.49	88.81	88.81	89.49	89.96	89.96	91.03	93.16	93.06	92.48	92.78
35°	85.68	85.89	85.78	85.20	86.09	87.27	87.84	90.61	92.20	93.37	92.99	91.70
40°	82.46	81.99	82.18	82.55	83.12	85.30	87.01	89.76	89.76	94.98	93.17	90.72
45°	84.19	82.01	81.02	80.12	80.12	81.02	83.88	87.35	88.93	94.58	91.50	90.52
50°	83.71	82.04	81.26	79.19	78.02	78.71	80.68	84.68	85.96	92.43	89.40	89.20
55°	82.57	82.18	80.36	77.49	78.44	80.94	82.18	85.84	84.97	88.91	89.29	89.77
60°	82.13	80.92	80.01	77.07	79.60	83.45	85.18	87.71	84.77	88.62	87.41	90.54
65°	80.73	77.40	77.18	76.67	80.42	83.34	84.06	84.60	84.69	90.96	88.56	91.69
70°	76.23	72.20	74.64	77.62	79.31	79.52	75.80	78.54	81.00	86.39	90.09	90.62
75°	71.62	70.26	73.82	73.73	76.87	77.08	73.10	77.09	81.38	88.21	90.01	84.94
80°	70.83	69.41	72.05	72.67	75.31	76.62	75.70	81.40	87.60	94.31	91.46	82.11
85°	71.41	71.30	72.98	74.33	75.36	74.43	75.05	86.49	90.54	96.77	96.88	86.28
90°	70.24	73.42	74.11	76.40	74.11	72.82	72.73	83.28	88.06	93.75	93.83	84.66
95°	70.16	67.86	68.29	69.73	71.19	71.19	70.14	69.84	69.84	70.88	74.93	76.48
100°	67.57	67.67	68.28	70.92	72.45	71.93	69.91	68.68	69.29	72.45	76.10	78.33
105°	65.65	66.08	68.30	69.97	70.70	72.07	71.35	70.70	71.14	74.70	79.63	77.31
110°	63.22	65.55	68.71	70.43	71.26	73.80	73.27	75.49	74.12	76.14	80.38	75.70
115°	67.27	68.84	70.60	71.13	73.73	77.18	77.90	77.49	80.51	80.41	79.79	75.19
120°	68.65	69.36	69.26	69.96	72.19	76.14	78.99	81.42	81.62	79.39	77.87	73.51
125°	68.18	68.46	68.46	68.46	70.58	74.23	79.13	98.42	91.79	81.33	76.73	73.36
130°	68.15	68.04	69.04	69.71	73.24	76.56	82.73	101.36	109.79	95.77	85.78	75.88
135°	69.93	69.33	69.93	72.50	77.95	84.58	80.74	88.65	92.51	90.14	81.41	79.53
140°	80.57	77.05	75.34	76.77	79.43	80.18	80.39	82.85	80.75	80.67	79.15	79.81
145°	90.80	88.82	85.37	83.02	82.62	82.14	80.84	80.84	80.36	80.36	81.36	83.13
150°	100.13	97.71	94.32	90.84	88.42	88.12	86.29	86.00	85.42	85.70	86.67	86.67
155°	98.21	98.09	94.36	92.75	91.55	89.81	88.62	86.39	85.58	85.46	85.39	83.77
160°	90.52	90.21	89.70	88.58	89.19	89.29	86.72	84.77	84.98	84.67	83.43	82.10

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165°	87.68	86.38	86.07	85.35	84.75	83.43	83.03	83.21	82.81	82.19	81.49	81.27
170°	81.71	81.50	81.50	81.50	81.19	81.07	80.98	80.56	80.47	80.47	79.83	79.19
175°	81.13	81.13	81.13	80.73	81.03	80.73	81.13	80.73	80.73	80.13	80.52	80.03
180°	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11
Gamma	C180°	C185°	C190°	C195°	C200°	C205°	C210°	C215°	C220°	C225°	C230°	C235°
0°	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42
5°	104.03	104.43	104.43	104.43	104.43	104.43	104.43	104.43	104.43	104.53	104.53	104.53
10°	101.62	101.74	102.17	101.95	101.83	102.38	102.47	103.11	103.11	103.63	104.26	103.84
15°	98.68	99.78	100.08	100.39	100.39	100.00	100.08	100.08	100.08	100.48	100.39	101.71
20°	93.91	93.91	94.63	94.63	94.63	94.93	94.53	94.53	94.63	93.91	94.63	95.24
25°	90.63	91.74	92.25	92.16	91.67	90.63	90.75	90.75	91.05	89.93	89.93	90.56
30°	92.78	92.78	92.48	93.06	93.16	91.03	89.96	89.96	89.49	88.81	88.81	89.49
35°	93.97	91.70	92.99	93.37	92.20	90.61	87.84	87.27	86.09	85.20	85.78	85.89
40°	94.60	90.72	93.17	94.98	89.76	89.76	87.01	85.30	83.12	82.55	82.18	81.99
45°	95.28	90.52	91.50	94.58	88.93	87.35	83.88	81.02	80.12	80.12	81.02	82.01
50°	93.22	89.20	89.40	92.43	85.96	84.68	80.68	78.71	78.02	79.19	81.26	82.04
55°	93.23	89.77	89.29	88.91	84.97	85.84	82.18	80.94	78.44	77.49	80.36	82.18
60°	94.60	90.54	87.41	88.62	84.77	87.71	85.18	83.45	79.60	77.07	80.01	80.92
65°	91.37	91.69	88.56	90.96	84.69	84.60	84.06	83.34	80.42	76.67	77.18	77.40
70°	89.58	90.62	90.09	86.39	81.00	78.54	75.80	79.52	79.31	77.62	74.64	72.20
75°	84.87	84.94	90.01	88.21	81.38	77.09	73.10	77.08	76.87	73.73	73.82	70.26
80°	79.48	82.11	91.46	94.31	87.60	81.40	75.70	76.62	75.31	72.67	72.05	69.41
85°	79.94	86.28	96.88	96.77	90.54	86.49	75.05	74.43	75.36	74.33	72.98	71.30
90°	78.20	84.66	93.83	93.75	88.06	83.28	72.73	72.82	74.11	76.40	74.11	73.42
95°	80.43	76.48	74.93	70.88	69.84	69.84	70.14	71.19	71.19	69.73	68.29	67.86
100°	79.96	78.33	76.10	72.45	69.29	68.68	69.91	71.93	72.45	70.92	68.28	67.67
105°	75.55	77.31	79.63	74.70	71.14	70.70	71.35	72.07	70.70	69.97	68.30	66.08
110°	72.42	75.70	80.38	76.14	74.12	75.49	73.27	73.80	71.26	70.43	68.71	65.55
115°	73.73	75.19	79.79	80.41	80.51	77.49	77.90	77.18	73.73	71.13	70.60	68.84
120°	73.21	73.51	77.87	79.39	81.62	81.42	78.99	76.14	72.19	69.96	69.26	69.36
125°	74.03	73.36	76.73	81.33	91.79	98.42	79.13	74.23	70.58	68.46	68.46	68.46
130°	76.85	75.88	85.78	95.77	109.79	101.36	82.73	76.56	73.24	69.71	69.04	68.04
135°	80.82	79.53	81.41	90.14	92.51	88.65	80.74	84.58	77.95	72.50	69.93	69.33
140°	82.56	79.81	79.15	80.67	80.75	82.85	80.39	80.18	79.43	76.77	75.34	77.05
145°	83.13	83.13	81.36	80.36	80.36	80.84	80.84	82.14	82.62	83.02	85.37	88.82
150°	86.00	86.67	86.67	85.70	85.42	86.00	86.29	88.12	88.42	90.84	94.32	97.71
155°	83.35	83.77	85.39	85.46	85.58	86.39	88.62	89.81	91.55	92.75	94.36	98.09
160°	81.48	82.10	83.43	84.67	84.98	84.77	86.72	89.29	89.19	88.58	89.70	90.21
165°	80.49	81.27	81.49	82.19	82.81	83.21	83.03	83.43	84.75	85.35	86.07	86.38
170°	78.67	79.19	79.83	80.47	80.47	80.56	80.98	81.07	81.19	81.50	81.50	81.50
175°	80.03	80.03	80.52	80.13	80.73	80.73	81.13	80.73	81.03	80.73	81.13	81.13
180°	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11
Gamma	C240°	C245°	C250°	C255°	C260°	C265°	C270°	C275°	C280°	C285°	C290°	C295°
0°	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42
5°	104.84	104.74	104.74	104.74	105.13	105.23	105.23	105.23	105.23	105.23	105.23	105.23
10°	104.26	104.78	104.78	104.78	104.47	104.26	103.84	104.26	103.84	104.26	104.47	104.47
15°	103.95	104.66	104.66	104.26	104.66	104.04	103.34	102.64	102.64	103.34	103.65	103.43
20°	95.87	96.58	97.20	97.61	97.51	97.92	98.22	98.94	98.85	98.54	98.54	98.32
25°	90.13	90.63	91.25	91.45	91.87	91.57	92.68	93.19	94.00	94.00	92.88	92.46
30°	89.49	89.19	89.09	89.49	89.19	89.77	90.46	91.43	91.71	90.74	89.59	88.91
35°	85.68	84.80	85.20	85.40	85.40	85.40	86.00	86.29	86.40	85.59	84.02	83.54
40°	82.46	83.22	81.61	81.41	81.41	82.27	83.31	83.70	83.79	82.36	80.75	79.61
45°	84.19	83.98	83.59	80.42	80.42	81.11	81.80	81.41	80.82	79.84	79.15	78.55
50°	83.71	82.15	81.55	78.82	78.82	78.53	78.94	78.05	78.05	77.76	77.56	76.48
55°	82.57	80.74	78.24	76.04	74.80	75.85	76.14	76.43	76.43	76.53	75.86	75.27
60°	82.13	78.99	75.75	74.12	72.80	72.60	73.82	76.15	75.13	74.43	74.53	73.51

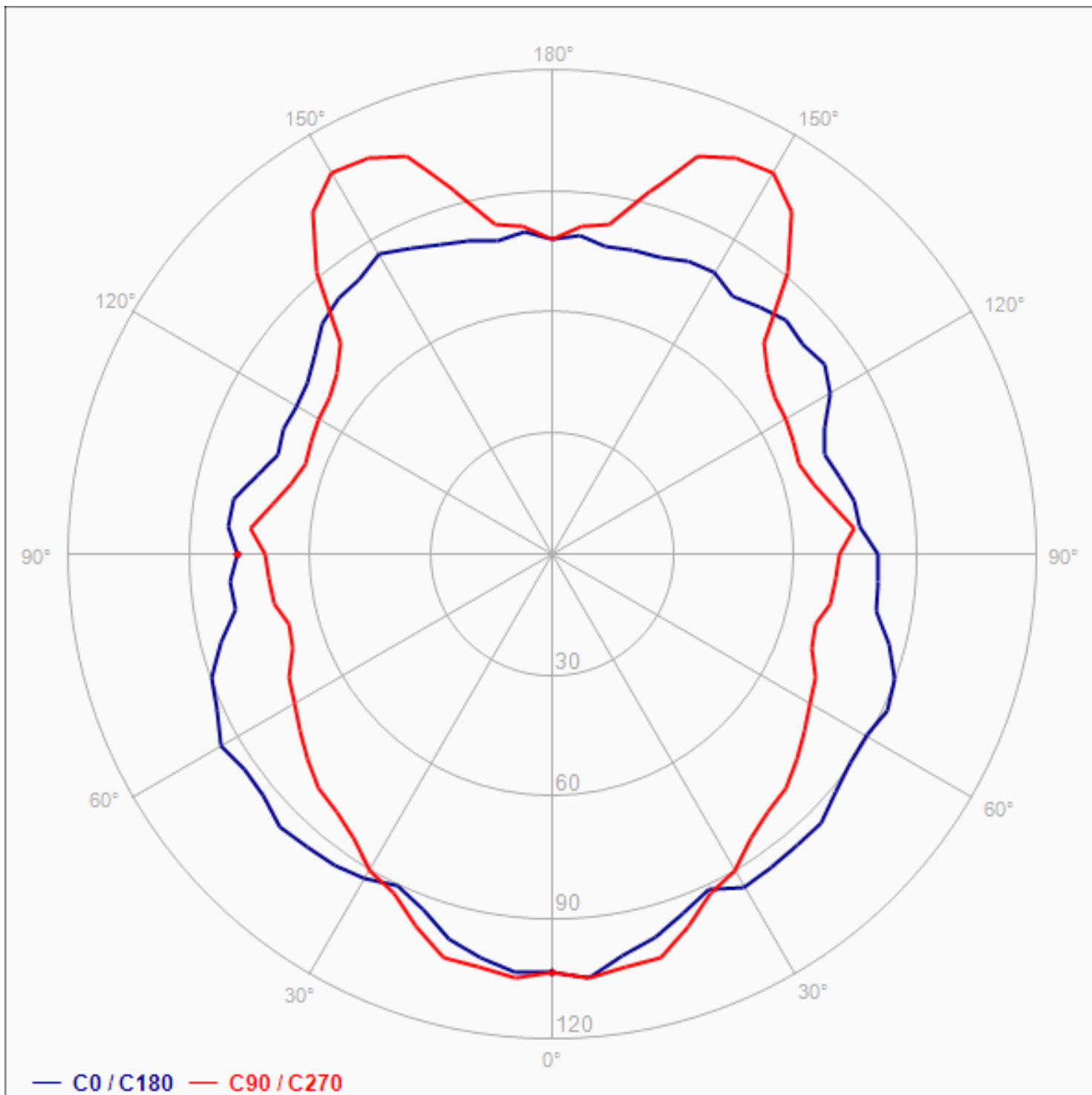
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65°	80.73	77.40	73.12	72.49	71.13	71.04	72.07	72.49	71.85	71.45	72.07	72.27
70°	76.23	74.11	69.87	69.26	68.29	68.29	68.29	68.20	67.77	68.29	69.03	69.78
75°	71.62	69.95	68.06	68.71	69.43	68.79	67.63	67.66	68.19	69.00	70.49	70.18
80°	70.83	69.91	70.13	71.74	72.45	71.23	69.91	69.29	69.91	70.83	71.53	71.53
85°	71.41	69.43	68.82	71.72	74.12	73.06	70.37	68.50	68.50	68.50	70.58	70.77
90°	70.24	67.05	67.74	74.42	79.58	76.61	71.31	67.74	68.21	67.74	71.02	73.12
95°	70.16	73.80	72.45	68.70	69.12	69.74	75.04	81.39	81.39	74.32	68.51	69.95
100°	67.57	68.28	68.19	66.66	65.96	66.97	70.52	76.01	75.31	71.14	70.13	71.96
105°	65.65	64.91	64.10	63.03	63.46	64.18	66.90	70.47	72.36	71.93	71.50	71.20
110°	63.22	62.27	61.10	61.62	63.52	64.58	65.11	67.44	69.14	70.83	69.56	69.66
115°	67.27	64.77	63.51	63.83	67.07	66.75	65.81	68.74	69.67	71.35	72.07	75.10
120°	68.65	66.11	65.80	65.70	68.34	68.04	66.92	67.94	68.24	68.54	69.86	72.19
125°	68.18	65.68	65.30	65.67	67.50	67.41	67.50	67.78	66.82	66.82	66.82	67.78
130°	68.15	66.76	67.16	66.76	68.32	68.81	69.88	69.40	67.05	65.97	65.77	67.53
135°	69.93	69.33	70.03	71.91	73.48	73.39	74.08	72.70	70.91	69.62	70.22	71.20
140°	80.57	83.80	89.68	96.41	96.12	91.85	90.90	85.03	82.08	85.03	84.55	88.44
145°	90.80	94.92	102.34	106.29	109.45	103.41	103.32	101.05	99.59	103.93	106.49	101.05
150°	100.13	102.65	105.17	106.62	109.04	109.91	109.04	107.77	105.75	105.75	106.23	112.53
155°	98.21	96.40	99.20	102.64	107.49	109.49	108.38	108.99	107.49	109.29	116.28	116.77
160°	90.52	91.85	94.74	98.24	101.93	103.88	104.81	105.53	106.24	105.84	104.91	102.95
165°	87.68	88.61	89.22	90.94	91.55	92.16	92.87	92.16	92.07	91.94	90.84	90.14
170°	81.71	82.02	82.02	81.71	82.66	82.87	82.74	82.74	82.74	82.87	83.09	82.54
175°	81.13	81.13	80.73	81.03	81.42	81.33	81.33	81.33	81.33	81.42	81.13	81.13
180°	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11
Gamma	C300°	C305°	C310°	C315°	C320°	C325°	C330°	C335°	C340°	C345°	C350°	C355°
0°	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42	103.42
5°	104.84	104.84	104.84	104.84	105.13	105.13	105.43	105.43	105.43	105.43	105.43	105.43
10°	103.84	103.84	103.53	103.75	103.32	103.32	102.80	102.80	102.80	102.59	102.07	102.07
15°	103.43	102.72	102.72	102.43	102.11	101.71	101.41	101.81	101.01	100.49	99.48	99.17
20°	97.92	97.61	97.71	96.58	96.58	95.87	95.87	95.76	95.35	95.25	95.25	95.35
25°	91.96	91.34	91.26	90.64	91.06	90.15	90.27	90.35	91.26	91.89	91.66	91.96
30°	88.91	88.52	87.94	88.32	88.62	89.20	89.87	90.56	91.33	91.33	92.39	94.53
35°	84.13	84.34	84.13	84.22	86.11	87.79	88.97	90.26	91.56	91.56	93.04	95.31
40°	79.61	79.52	80.48	82.37	85.41	87.30	89.30	90.53	92.06	93.00	92.43	93.94
45°	78.55	77.95	78.33	81.13	84.69	87.27	91.34	91.62	91.62	94.20	91.62	92.10
50°	76.48	76.19	76.08	77.35	81.19	86.20	91.39	92.48	92.56	93.45	92.28	90.12
55°	74.90	74.90	75.47	75.57	78.35	83.83	90.45	92.47	93.43	94.01	93.71	91.32
60°	73.61	74.22	76.86	76.14	79.49	82.34	86.89	88.11	86.79	90.85	96.73	92.37
65°	71.85	71.85	73.73	75.19	80.09	82.17	82.49	79.47	80.51	85.92	91.25	90.83
70°	69.99	68.71	68.83	70.20	73.80	76.35	74.54	74.45	75.62	83.02	88.63	87.59
75°	69.33	69.45	67.13	67.65	70.49	73.66	73.14	73.88	73.66	76.07	82.49	83.75
80°	68.28	67.27	66.35	66.66	68.59	73.15	74.47	74.78	73.56	71.84	74.88	78.74
85°	68.07	66.41	66.21	66.94	67.86	72.12	74.63	74.09	73.16	73.59	72.44	77.73
90°	69.72	66.23	66.63	68.12	68.12	69.72	72.30	71.61	71.02	71.40	73.29	78.59
95°	73.70	76.30	77.65	76.61	75.68	76.61	73.70	77.65	81.60	83.57	82.63	78.57
100°	74.38	75.31	75.00	75.31	74.08	74.30	72.36	73.68	75.00	75.91	75.70	74.59
105°	70.05	72.46	73.73	73.18	73.31	71.29	70.98	71.93	72.67	71.85	70.77	71.50
110°	70.83	71.04	71.47	71.26	71.87	72.61	73.26	69.45	70.71	70.18	70.18	70.83
115°	75.10	73.65	71.97	72.70	74.69	76.67	76.67	73.12	73.34	73.34	73.97	74.69
120°	74.12	73.82	72.19	72.50	74.43	76.66	76.76	74.74	74.12	74.93	78.28	80.82
125°	70.57	70.76	69.51	73.64	73.83	75.46	75.66	79.69	80.84	80.07	79.11	80.94
130°	69.21	69.09	68.61	70.18	81.27	84.39	91.63	99.85	100.47	90.65	83.40	80.57
135°	73.68	72.49	71.20	71.20	72.70	77.93	86.06	96.46	98.44	96.25	88.25	83.20
140°	82.66	76.96	74.58	74.49	74.87	75.73	77.90	82.46	84.26	85.50	84.26	81.23
145°	96.32	89.82	87.04	87.33	84.78	81.91	80.93	79.36	79.36	79.76	79.16	78.07
150°	113.21	104.88	100.13	100.13	96.06	90.26	85.32	81.35	79.11	79.51	79.41	79.21

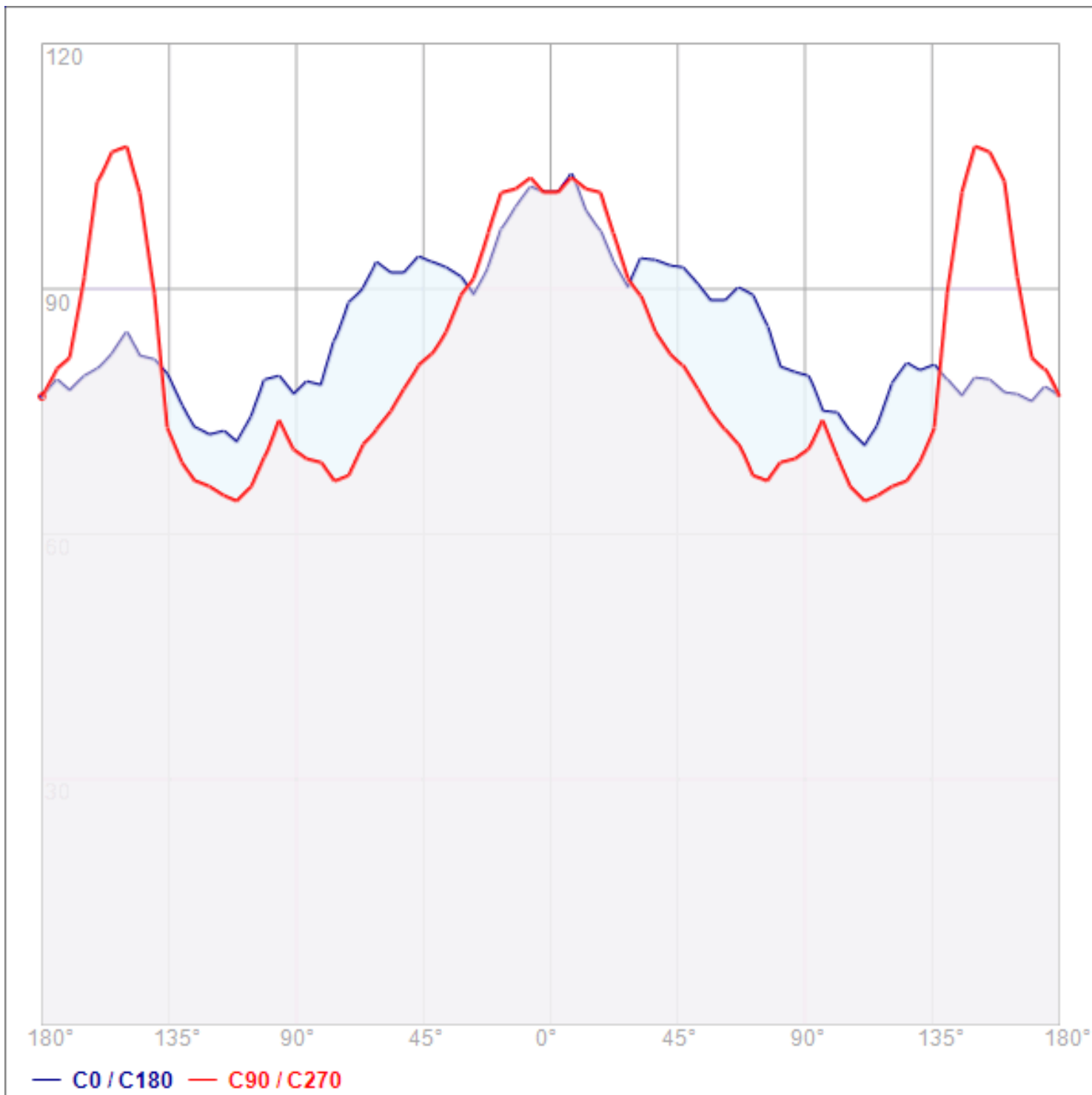
PHOTOMETRIC MEASUREMENT REPORT N° 12

155°	111.84	108.50	106.27	103.84	100.82	95.66	88.50	83.25	81.52	82.02	80.82	79.83
160°	102.03	100.28	99.26	97.72	95.14	90.73	84.57	83.02	82.92	81.38	81.06	79.32
165°	90.02	88.91	88.91	87.29	85.44	84.44	83.12	82.50	81.80	80.79	79.86	79.16
170°	82.66	82.02	82.02	81.07	80.86	80.35	80.35	79.71	79.62	78.67	78.46	77.83
175°	80.63	80.73	80.73	80.73	80.13	80.03	80.13	79.83	79.42	79.42	79.42	78.83
180°	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11	78.11

Photometric Polar Diagram



Photometric Cartesian Diagram



Light Emmission Photo



Opening angle

