

## PHOTOMETRIC MEASUREMENT REPORT N° 18

Photometric measurement date: **5/10/2017/**

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 ceiling-wall L opal**

Eulumdat reference: **Veli ceiling-wall L opal**

Size of luminaire (mm): **780 x 0 x 200**

Size of luminous area (mm): **780 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): **2430**

Output luminous flux of the lamp (lm): **2101.23**

Colour temperature (K): **2700**

Colour rendering index: **0**

Supply current (mA): **80**

Source power (W): **21.4**

Power consumption included source power (W): **24**

LED module efficacy (lm/W): **113.55**

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

Luminaire light efficacy (lm/W): **87.55**

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

Downward Flux Fraction (DFF): **79**

Upward Flux Fraction (UFF): **21.00**

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°	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22
5°	263.82	262.70	262.22	261.66	261.17	260.76	260.54	260.54	260.54	260.76	260.69	261.45
10°	241.83	241.11	240.22	240.31	240.45	241.11	241.40	242.20	243.15	244.10	245.26	246.00
15°	222.81	222.39	222.55	224.87	226.21	227.99	230.04	231.66	233.00	234.34	235.55	236.46
20°	209.02	210.02	210.67	211.38	211.38	213.95	217.53	221.18	223.96	225.32	226.89	228.54
25°	200.07	201.39	202.60	202.46	201.13	200.64	201.56	204.43	208.72	213.63	218.14	217.92
30°	191.75	194.78	196.27	196.07	193.64	191.35	189.40	188.19	188.72	190.95	193.98	196.34
35°	179.11	180.48	182.00	182.14	180.84	178.91	176.24	173.83	172.05	172.20	173.37	174.67
40°	170.01	169.61	168.49	167.90	168.29	167.90	166.38	164.07	161.56	160.51	161.63	163.34
45°	155.46	155.88	155.46	156.41	158.77	159.92	158.09	155.25	151.95	150.64	151.54	153.53
50°	134.17	135.54	137.52	141.53	146.23	147.88	145.90	142.22	139.49	139.16	139.29	140.18
55°	118.86	119.47	121.80	127.41	133.36	135.03	131.42	128.82	128.21	128.01	127.61	128.21
60°	106.56	107.19	109.45	114.46	119.61	119.47	115.52	114.67	115.79	115.16	115.31	116.08
65°	95.90	96.19	97.28	101.05	104.90	103.52	101.49	101.05	100.83	100.76	101.26	101.26
70°	84.90	85.72	86.16	88.81	90.80	88.29	88.29	88.36	88.22	87.41	86.08	84.90
75°	75.82	77.94	79.11	80.57	80.49	78.16	79.05	80.36	79.85	78.03	75.46	74.15
80°	69.75	70.89	75.34	77.60	73.36	73.79	75.34	76.26	72.93	70.18	68.69	67.99
85°	62.83	62.03	67.16	72.36	68.46	70.13	72.14	69.18	63.90	61.88	61.88	63.46
90°	57.92	57.30	58.61	58.41	56.67	57.50	59.45	58.67	55.71	55.98	57.50	58.25
95°	51.36	51.02	52.00	51.81	50.44	50.99	52.40	51.76	49.49	49.69	50.83	51.45
100°	48.07	47.87	48.69	48.51	47.32	47.74	48.87	48.31	46.38	46.55	47.50	48.04
105°	44.79	44.73	45.39	45.22	44.20	44.48	45.35	44.85	43.27	43.40	44.16	44.64
110°	41.51	41.59	42.08	41.92	41.08	41.23	41.82	41.40	40.15	40.26	40.83	41.24
115°	38.23	38.45	38.77	38.62	37.97	37.97	38.29	37.94	37.04	37.11	37.49	37.84
120°	31.66	32.16	32.16	32.02	31.73	31.46	31.24	31.03	30.82	30.82	30.82	31.03
125°	30.52	30.52	30.52	30.52	30.05	30.05	29.91	29.64	29.18	29.18	29.44	29.64
130°	29.25	29.25	29.25	29.44	29.11	28.83	28.69	28.36	28.07	28.02	28.07	28.36
135°	28.37	28.37	27.95	27.89	27.95	27.48	27.21	27.32	27.00	27.00	27.00	27.32
140°	26.33	26.07	26.39	25.93	25.93	25.79	25.47	25.47	25.47	25.27	25.27	25.53
145°	25.25	25.25	25.25	25.19	24.83	24.91	24.77	24.77	24.49	24.77	24.49	24.49
150°	24.72	24.72	24.52	24.17	24.24	24.24	24.24	24.24	24.24	24.04	23.84	23.84
155°	22.48	22.77	22.57	22.48	22.48	22.48	22.48	22.48	22.48	22.48	22.48	22.48
160°	22.08	22.08	22.08	22.08	22.08	22.08	22.08	22.08	22.08	22.08	22.08	22.08
165°	21.41	21.41	21.34	21.34	21.34	21.34	21.34	21.34	21.34	21.34	21.41	21.34
170°	21.11	21.11	21.11	21.11	21.41	21.11	21.11	21.11	21.41	21.41	21.41	21.41
175°	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
180°	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66
Gamma	C60°	C65°	C70°	C75°	C80°	C85°	C90°	C95°	C100°	C105°	C110°	C115°
0°	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22
5°	261.59	262.29	262.99	263.68	263.89	264.37	264.79	264.79	264.79	264.30	263.89	263.26
10°	247.16	248.55	249.72	251.17	252.34	253.21	254.45	254.96	255.55	255.85	255.55	255.19
15°	237.38	238.23	238.87	239.79	240.92	242.82	244.17	245.02	245.73	246.15	246.58	247.14
20°	229.97	230.89	231.04	230.68	230.25	230.89	232.68	233.83	234.11	233.68	233.40	233.40
25°	216.11	214.07	212.51	211.25	210.48	210.56	211.04	211.04	211.34	211.39	211.96	212.44
30°	197.22	196.95	197.49	196.41	194.66	193.78	193.58	194.52	196.01	197.22	197.96	198.84
35°	175.64	175.98	177.77	179.90	178.05	175.72	174.48	174.90	177.45	179.50	179.86	179.72
40°	164.60	165.46	164.80	165.26	162.75	160.18	158.93	158.93	161.04	162.29	161.50	162.36
45°	155.32	156.22	154.70	151.34	148.78	147.47	146.79	146.79	148.10	148.37	148.10	148.58
50°	140.59	140.59	137.19	135.48	134.81	133.86	133.03	133.52	134.61	134.53	134.20	134.20
55°	129.09	126.94	123.00	122.14	122.34	121.27	120.41	120.61	121.74	122.41	122.61	122.54
60°	116.29	114.88	111.56	109.67	109.52	109.59	108.25	107.76	108.67	110.22	111.63	111.63
65°	101.26	100.61	98.72	98.72	97.63	96.98	96.40	96.03	95.96	98.07	100.67	100.67
70°	85.42	86.45	85.72	86.17	84.69	83.51	83.51	83.29	83.73	86.24	88.97	88.97

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75°	75.10	76.36	76.05	75.84	74.23	72.91	72.11	73.14	74.82	77.83	79.06	79.59
80°	67.70	69.05	68.48	67.98	66.43	65.29	63.95	65.02	67.34	70.24	71.65	72.99
85°	63.33	61.22	60.28	59.13	58.26	57.75	57.32	58.26	60.65	62.66	64.04	65.19
90°	55.77	53.82	52.45	50.85	50.85	51.82	52.51	52.51	54.30	53.88	54.78	55.89
95°	49.71	48.30	47.25	46.05	46.02	46.73	47.37	47.48	48.87	48.61	49.29	49.99
100°	46.68	45.54	44.65	43.65	43.61	44.19	44.80	44.96	46.16	45.98	46.54	47.04
105°	43.65	42.78	42.06	41.26	41.19	41.64	42.23	42.44	43.44	43.34	43.79	44.10
110°	40.62	40.01	39.46	38.86	38.78	39.10	39.66	39.92	40.73	40.71	41.04	41.15
115°	37.59	37.25	36.86	36.46	36.36	36.55	37.09	37.41	38.01	38.07	38.30	38.20
120°	31.53	31.73	31.66	31.66	31.53	31.46	31.95	32.37	32.58	32.80	32.80	32.30
125°	29.58	30.05	30.05	30.25	30.25	30.25	30.45	30.65	30.97	31.11	30.65	30.65
130°	28.50	28.83	29.11	29.17	29.44	29.17	29.44	29.51	29.78	29.37	29.37	29.23
135°	27.48	27.41	27.89	27.83	28.37	28.37	28.30	28.30	28.30	28.43	28.10	27.68
140°	25.47	25.47	25.93	26.19	26.33	26.33	26.33	26.59	26.59	26.12	26.12	25.87
145°	24.49	24.49	24.91	24.91	25.25	25.25	25.25	25.25	25.53	25.11	25.11	24.77
150°	24.24	24.52	24.17	24.45	24.45	24.45	24.52	24.52	24.24	24.24	24.17	24.17
155°	22.48	22.48	22.77	22.77	22.77	22.77	22.48	22.40	22.40	22.40	22.40	22.69
160°	22.08	22.08	22.08	22.08	22.08	22.08	22.08	22.08	22.37	22.08	22.08	22.37
165°	21.34	21.34	21.34	21.41	21.34	21.34	21.34	21.34	21.34	21.34	21.34	21.34
170°	21.41	21.41	21.41	21.41	21.41	21.41	21.41	21.41	21.41	21.41	21.41	21.41
175°	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
180°	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66
Gamma	C120°	C125°	C130°	C135°	C140°	C145°	C150°	C155°	C160°	C165°	C170°	C175°
0°	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22
5°	262.36	261.17	260.61	259.64	258.74	258.39	257.41	257.00	256.51	256.58	256.58	256.10
10°	254.68	253.73	252.57	251.12	249.65	248.34	247.03	246.44	246.59	247.39	248.48	249.80
15°	247.63	247.57	247.14	245.79	243.53	241.76	240.35	240.35	240.57	241.27	242.19	244.60
20°	233.40	233.19	232.26	230.96	227.96	224.32	221.54	220.18	220.25	220.96	222.46	224.82
25°	213.30	213.93	215.48	213.44	210.28	206.84	203.55	201.50	200.44	200.73	202.08	204.37
30°	199.92	200.52	199.04	196.01	192.98	191.03	188.87	187.86	187.45	187.86	188.53	190.02
35°	181.65	181.78	179.38	177.25	175.67	174.58	173.06	172.58	172.44	173.28	173.62	173.96
40°	163.42	164.22	164.02	162.62	160.91	160.91	160.25	159.46	159.20	159.52	159.26	158.81
45°	149.68	151.05	152.99	152.79	152.79	152.85	151.69	149.75	148.18	146.93	146.46	145.56
50°	134.61	136.93	140.68	142.66	144.71	146.07	143.90	139.19	135.99	133.26	131.89	130.72
55°	122.61	124.48	128.62	131.36	133.10	135.64	135.30	130.76	125.68	122.02	119.67	118.81
60°	112.06	114.17	117.35	118.82	119.81	120.88	118.89	116.64	114.88	111.21	108.53	107.40
65°	102.12	103.50	104.15	105.31	102.84	103.50	102.77	102.27	101.68	99.36	96.97	96.03
70°	90.21	90.21	87.64	85.80	84.84	87.49	89.70	88.96	88.16	85.95	84.11	82.93
75°	79.88	79.53	76.95	74.33	73.80	76.30	78.86	79.16	78.29	76.53	74.48	72.72
80°	72.14	70.79	68.19	67.62	67.76	68.26	69.11	71.44	69.88	67.34	66.21	65.15
85°	63.17	60.77	60.13	61.57	63.38	62.65	62.01	63.17	61.28	58.54	57.82	57.17
90°	53.40	52.09	53.20	57.14	59.00	54.72	51.60	51.67	51.67	51.19	51.19	51.60
95°	48.14	47.04	47.87	50.90	52.34	49.13	46.78	46.83	46.90	46.54	46.54	46.85
100°	45.51	44.51	45.21	47.77	49.01	46.34	44.36	44.41	44.51	44.21	44.21	44.47
105°	42.89	41.99	42.54	44.65	45.69	43.55	41.95	41.99	42.13	41.89	41.89	42.09
110°	40.26	39.46	39.88	41.53	42.36	40.75	39.54	39.56	39.74	39.56	39.56	39.71
115°	37.63	36.93	37.21	38.41	39.03	37.96	37.13	37.14	37.35	37.23	37.23	37.34
120°	32.37	31.88	31.88	32.16	32.37	32.37	32.30	32.30	32.58	32.58	32.58	32.58
125°	30.45	30.18	30.45	30.45	30.45	30.65	30.91	30.65	30.84	30.84	30.65	30.65
130°	29.03	29.03	29.23	29.23	29.23	29.31	29.23	29.65	29.57	29.57	29.57	29.57
135°	27.68	27.62	27.94	27.89	28.10	28.10	28.10	28.36	28.03	28.36	28.51	28.51
140°	25.87	25.87	26.12	26.06	26.06	26.06	26.32	26.12	26.52	26.52	26.52	26.46
145°	24.77	25.11	25.03	25.03	25.11	25.45	25.45	25.73	25.37	25.37	25.73	25.65
150°	24.45	24.38	24.45	24.45	24.72	24.72	24.72	24.91	24.58	24.85	24.85	24.85
155°	22.69	22.69	22.77	22.77	22.91	22.83	22.83	23.12	23.12	22.83	22.83	22.69
160°	22.37	22.37	22.37	22.01	22.01	22.30	22.30	22.30	22.30	22.30	22.30	22.30

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165°	21.34	21.34	21.34	21.62	21.69	21.69	21.90	21.62	21.62	21.84	21.84	21.84
170°	21.41	21.41	21.41	21.41	21.41	21.11	21.11	21.11	21.20	21.11	21.11	21.11
175°	21.43	21.43	21.43	21.43	21.43	21.43	21.43	21.43	21.43	21.43	21.43	21.43
180°	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66
Gamma	C180°	C185°	C190°	C195°	C200°	C205°	C210°	C215°	C220°	C225°	C230°	C235°
0°	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22
5°	256.10	256.10	256.58	256.58	256.51	257.00	257.41	258.39	258.74	259.64	260.61	261.17
10°	250.75	249.80	248.48	247.39	246.59	246.44	247.03	248.34	249.65	251.12	252.57	253.73
15°	247.14	244.60	242.19	241.27	240.57	240.35	240.35	241.76	243.53	245.79	247.14	247.57
20°	229.39	224.82	222.46	220.96	220.25	220.18	221.54	224.32	227.96	230.96	232.26	233.19
25°	208.88	204.37	202.08	200.73	200.44	201.50	203.55	206.84	210.28	213.44	215.48	213.93
30°	193.05	190.02	188.53	187.86	187.45	187.86	188.87	191.03	192.98	196.01	199.04	200.52
35°	173.96	173.96	173.62	173.28	172.44	172.58	173.06	174.58	175.67	177.25	179.38	181.78
40°	157.74	158.81	159.26	159.52	159.20	159.46	160.25	160.91	160.91	162.62	164.02	164.22
45°	144.39	145.56	146.46	146.93	148.18	149.75	151.69	152.85	152.79	152.79	152.99	151.05
50°	130.17	130.72	131.89	133.26	135.99	139.19	143.90	146.07	144.71	142.66	140.68	136.93
55°	118.34	118.81	119.67	122.02	125.68	130.76	135.30	135.64	133.10	131.36	128.62	124.48
60°	107.19	107.40	108.53	111.21	114.88	116.64	118.89	120.88	119.81	118.82	117.35	114.17
65°	96.03	96.03	96.97	99.36	101.68	102.27	102.77	103.50	102.84	105.31	104.15	103.50
70°	83.15	82.93	84.11	85.95	88.16	88.96	89.70	87.49	84.84	85.80	87.64	90.21
75°	72.06	72.72	74.48	76.53	78.29	79.16	78.86	76.30	73.80	74.33	76.95	79.53
80°	63.53	65.15	66.21	67.34	69.88	71.44	69.11	68.26	67.76	67.62	68.19	70.79
85°	57.17	57.17	57.82	58.54	61.28	63.17	62.01	62.65	63.38	61.57	60.13	60.77
90°	53.46	51.60	51.19	51.19	51.67	51.67	51.60	54.72	59.00	57.14	53.20	52.09
95°	48.28	46.85	46.54	46.54	46.90	46.83	46.78	49.13	52.34	50.90	47.87	47.04
100°	45.69	44.47	44.21	44.21	44.51	44.41	44.36	46.34	49.01	47.77	45.21	44.51
105°	43.10	42.09	41.89	41.89	42.13	41.99	41.95	43.55	45.69	44.65	42.54	41.99
110°	40.50	39.71	39.56	39.56	39.74	39.56	39.54	40.75	42.36	41.53	39.88	39.46
115°	37.91	37.34	37.23	37.23	37.35	37.14	37.13	37.96	39.03	38.41	37.21	36.93
120°	32.73	32.58	32.58	32.58	32.58	32.30	32.30	32.37	32.37	32.16	31.88	31.88
125°	31.11	30.65	30.65	30.84	30.84	30.65	30.91	30.65	30.45	30.45	30.45	30.18
130°	29.99	29.57	29.57	29.57	29.57	29.65	29.23	29.31	29.23	29.23	29.23	29.03
135°	28.51	28.51	28.51	28.36	28.03	28.36	28.10	28.10	28.10	27.89	27.94	27.62
140°	26.52	26.46	26.52	26.52	26.52	26.12	26.32	26.06	26.06	26.06	26.12	25.87
145°	25.37	25.65	25.73	25.37	25.37	25.73	25.45	25.45	25.11	25.03	25.03	25.11
150°	24.65	24.85	24.85	24.85	24.58	24.91	24.72	24.72	24.72	24.45	24.45	24.38
155°	22.69	22.69	22.83	22.83	23.12	23.12	22.83	22.83	22.91	22.77	22.77	22.69
160°	22.30	22.30	22.30	22.30	22.30	22.30	22.30	22.30	22.01	22.01	22.37	22.37
165°	21.84	21.84	21.84	21.84	21.62	21.62	21.90	21.69	21.69	21.62	21.34	21.34
170°	21.11	21.11	21.11	21.11	21.20	21.11	21.11	21.11	21.41	21.41	21.41	21.41
175°	21.64	21.43	21.43	21.43	21.43	21.43	21.43	21.43	21.43	21.43	21.43	21.43
180°	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66
Gamma	C240°	C245°	C250°	C255°	C260°	C265°	C270°	C275°	C280°	C285°	C290°	C295°
0°	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22
5°	262.36	263.26	263.89	264.30	264.79	264.79	264.79	264.37	263.89	263.68	262.99	262.29
10°	254.68	255.19	255.55	255.85	255.55	254.96	254.45	253.21	252.34	251.17	249.72	248.55
15°	247.63	247.14	246.58	246.15	245.73	245.02	244.17	242.82	240.92	239.79	238.87	238.23
20°	233.40	233.40	233.40	233.68	234.11	233.83	232.68	230.89	230.25	230.68	231.04	230.89
25°	213.30	212.44	211.96	211.39	211.34	211.04	211.04	210.56	210.48	211.25	212.51	214.07
30°	199.92	198.84	197.96	197.22	196.01	194.52	193.58	193.78	194.66	196.41	197.49	196.95
35°	181.65	179.72	179.86	179.50	177.45	174.90	174.48	175.72	178.05	179.90	177.77	175.98
40°	163.42	162.36	161.50	162.29	161.04	158.93	158.93	160.18	162.75	165.26	164.80	165.46
45°	149.68	148.58	148.10	148.37	148.10	146.79	146.79	147.47	148.78	151.34	154.70	156.22
50°	134.61	134.20	134.20	134.53	134.61	133.52	133.03	133.86	134.81	135.48	137.19	140.59
55°	122.61	122.54	122.61	122.41	121.74	120.61	120.41	121.27	122.34	122.14	123.00	126.94
60°	112.06	111.63	111.63	110.22	108.67	107.76	108.25	109.59	109.52	109.67	111.56	114.88

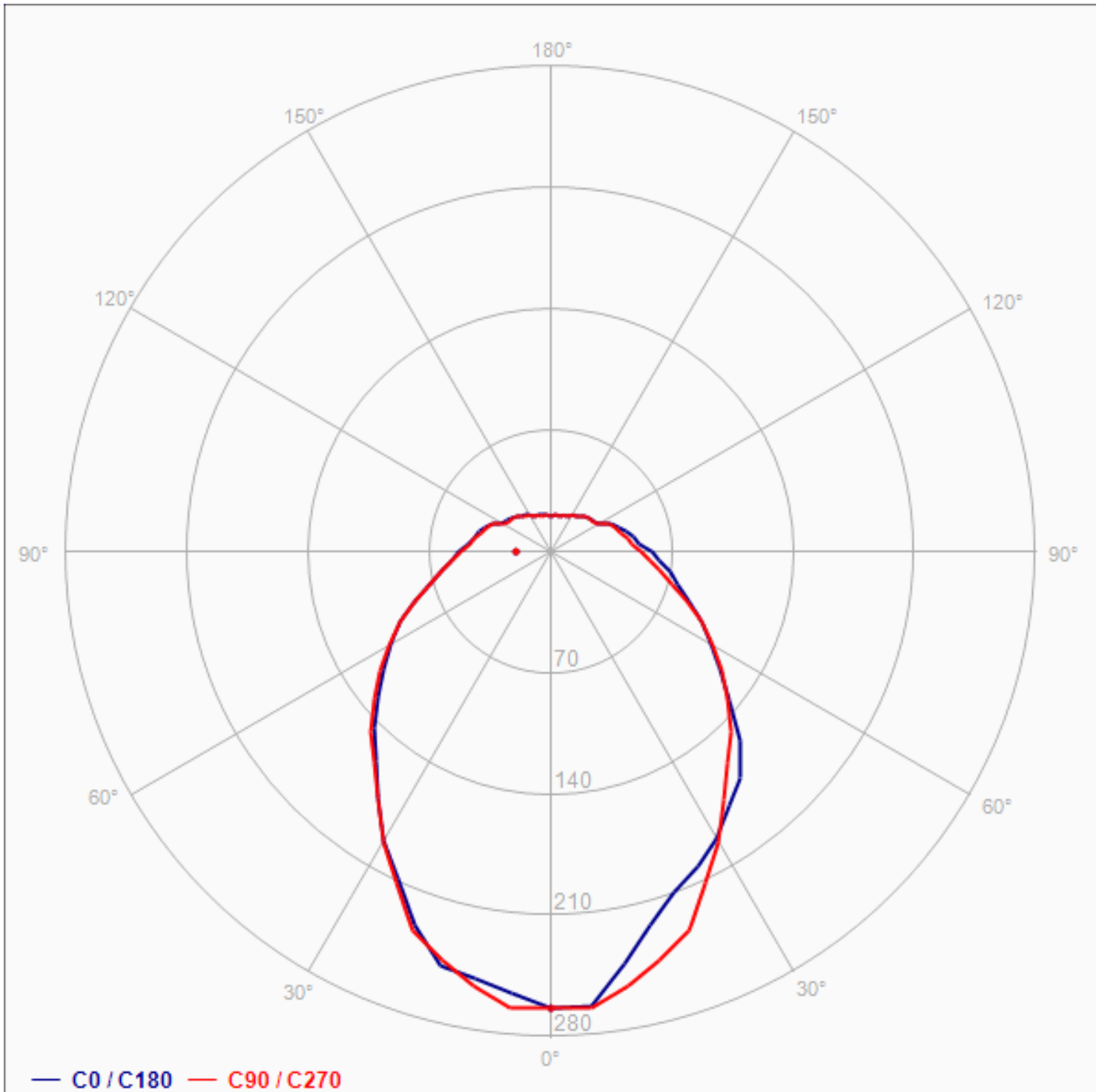
# PHOTOMETRIC MEASUREMENT REPORT N° 18

65°	102.12	100.67	100.67	98.07	95.96	96.03	96.40	96.98	97.63	98.72	98.72	100.61
70°	90.21	88.97	88.97	86.24	83.73	83.29	83.51	83.51	84.69	86.17	85.72	86.45
75°	79.88	79.59	79.06	77.83	74.82	73.14	72.11	72.91	74.23	75.84	76.05	76.36
80°	72.14	72.99	71.65	70.24	67.34	65.02	63.95	65.29	66.43	67.98	68.48	69.05
85°	63.17	65.19	64.04	62.66	60.65	58.26	57.32	57.75	58.26	59.13	60.28	61.22
90°	53.40	55.89	54.78	53.88	54.30	52.51	52.51	51.82	50.85	50.85	52.45	53.82
95°	48.14	49.99	49.29	48.61	48.87	47.48	47.37	46.73	46.02	46.05	47.25	48.30
100°	45.51	47.04	46.54	45.98	46.16	44.96	44.80	44.19	43.61	43.65	44.65	45.54
105°	42.89	44.10	43.79	43.34	43.44	42.44	42.23	41.64	41.19	41.26	42.06	42.78
110°	40.26	41.15	41.04	40.71	40.73	39.92	39.66	39.10	38.78	38.86	39.46	40.01
115°	37.63	38.20	38.30	38.07	38.01	37.41	37.09	36.55	36.36	36.46	36.86	37.25
120°	32.37	32.30	32.80	32.80	32.58	32.37	31.95	31.46	31.53	31.66	31.66	31.73
125°	30.45	30.65	30.65	31.11	30.97	30.65	30.45	30.25	30.25	30.25	30.05	30.05
130°	29.03	29.23	29.37	29.37	29.78	29.51	29.44	29.17	29.44	29.17	29.11	28.83
135°	27.68	27.68	28.10	28.43	28.30	28.30	28.30	28.37	28.37	27.83	27.89	27.41
140°	25.87	25.87	26.12	26.12	26.59	26.59	26.33	26.33	26.33	26.19	25.93	25.47
145°	24.77	24.77	25.11	25.11	25.53	25.25	25.25	25.25	25.25	24.91	24.91	24.49
150°	24.45	24.17	24.17	24.24	24.24	24.52	24.52	24.45	24.45	24.45	24.17	24.52
155°	22.69	22.69	22.40	22.40	22.40	22.40	22.48	22.77	22.77	22.77	22.77	22.48
160°	22.37	22.37	22.08	22.08	22.37	22.08	22.08	22.08	22.08	22.08	22.08	22.08
165°	21.34	21.34	21.34	21.34	21.34	21.34	21.34	21.34	21.34	21.41	21.34	21.34
170°	21.41	21.41	21.41	21.41	21.41	21.41	21.41	21.41	21.41	21.41	21.41	21.41
175°	21.43	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
180°	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66
<b>Gamma</b>	<b>C300°</b>	<b>C305°</b>	<b>C310°</b>	<b>C315°</b>	<b>C320°</b>	<b>C325°</b>	<b>C330°</b>	<b>C335°</b>	<b>C340°</b>	<b>C345°</b>	<b>C350°</b>	<b>C355°</b>
0°	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22	263.22
5°	261.59	261.45	260.69	260.76	260.54	260.54	260.54	260.76	261.17	261.66	262.22	262.70
10°	247.16	246.00	245.26	244.10	243.15	242.20	241.40	241.11	240.45	240.31	240.22	241.11
15°	237.38	236.46	235.55	234.34	233.00	231.66	230.04	227.99	226.21	224.87	222.55	222.39
20°	229.97	228.54	226.89	225.32	223.96	221.18	217.53	213.95	211.38	211.38	210.67	210.02
25°	216.11	217.92	218.14	213.63	208.72	204.43	201.56	200.64	201.13	202.46	202.60	201.39
30°	197.22	196.34	193.98	190.95	188.72	188.19	189.40	191.35	193.64	196.07	196.27	194.78
35°	175.64	174.67	173.37	172.20	172.05	173.83	176.24	178.91	180.84	182.14	182.00	180.48
40°	164.60	163.34	161.63	160.51	161.56	164.07	166.38	167.90	168.29	167.90	168.49	169.61
45°	155.32	153.53	151.54	150.64	151.95	155.25	158.09	159.92	158.77	156.41	155.46	155.88
50°	140.59	140.18	139.29	139.16	139.49	142.22	145.90	147.88	146.23	141.53	137.52	135.54
55°	129.09	128.21	127.61	128.01	128.21	128.82	131.42	135.03	133.36	127.41	121.80	119.47
60°	116.29	116.08	115.31	115.16	115.79	114.67	115.52	119.47	119.61	114.46	109.45	107.19
65°	101.26	101.26	101.26	100.76	100.83	101.05	101.49	103.52	104.90	101.05	97.28	96.19
70°	85.42	84.90	86.08	87.41	88.22	88.36	88.29	88.29	90.80	88.81	86.16	85.72
75°	75.10	74.15	75.46	78.03	79.85	80.36	79.05	78.16	80.49	80.57	79.11	77.94
80°	67.70	67.99	68.69	70.18	72.93	76.26	75.34	73.79	73.36	77.60	75.34	70.89
85°	63.33	63.46	61.88	61.88	63.90	69.18	72.14	70.13	68.46	72.36	67.16	62.03
90°	55.77	58.25	57.50	55.98	55.71	58.67	59.45	57.50	56.67	58.41	58.61	57.30
95°	49.71	51.45	50.83	49.69	49.49	51.76	52.40	50.99	50.44	51.81	52.00	51.02
100°	46.68	48.04	47.50	46.55	46.38	48.31	48.87	47.74	47.32	48.51	48.69	47.87
105°	43.65	44.64	44.16	43.40	43.27	44.85	45.35	44.48	44.20	45.22	45.39	44.73
110°	40.62	41.24	40.83	40.26	40.15	41.40	41.82	41.23	41.08	41.92	42.08	41.59
115°	37.59	37.84	37.49	37.11	37.04	37.94	38.29	37.97	37.97	38.62	38.77	38.45
120°	31.53	31.03	30.82	30.82	30.82	31.03	31.24	31.46	31.73	32.02	32.16	32.16
125°	29.58	29.64	29.44	29.18	29.18	29.64	29.91	30.05	30.05	30.52	30.52	30.52
130°	28.50	28.36	28.07	28.02	28.07	28.36	28.69	28.83	29.11	29.44	29.25	29.25
135°	27.48	27.32	27.00	27.00	27.00	27.32	27.21	27.48	27.95	27.89	27.95	28.37
140°	25.47	25.53	25.27	25.27	25.47	25.47	25.47	25.79	25.93	25.93	26.39	26.07
145°	24.49	24.49	24.49	24.77	24.49	24.77	24.77	24.91	24.83	25.19	25.25	25.25
150°	24.24	23.84	23.84	24.04	24.24	24.24	24.24	24.24	24.24	24.17	24.52	24.72

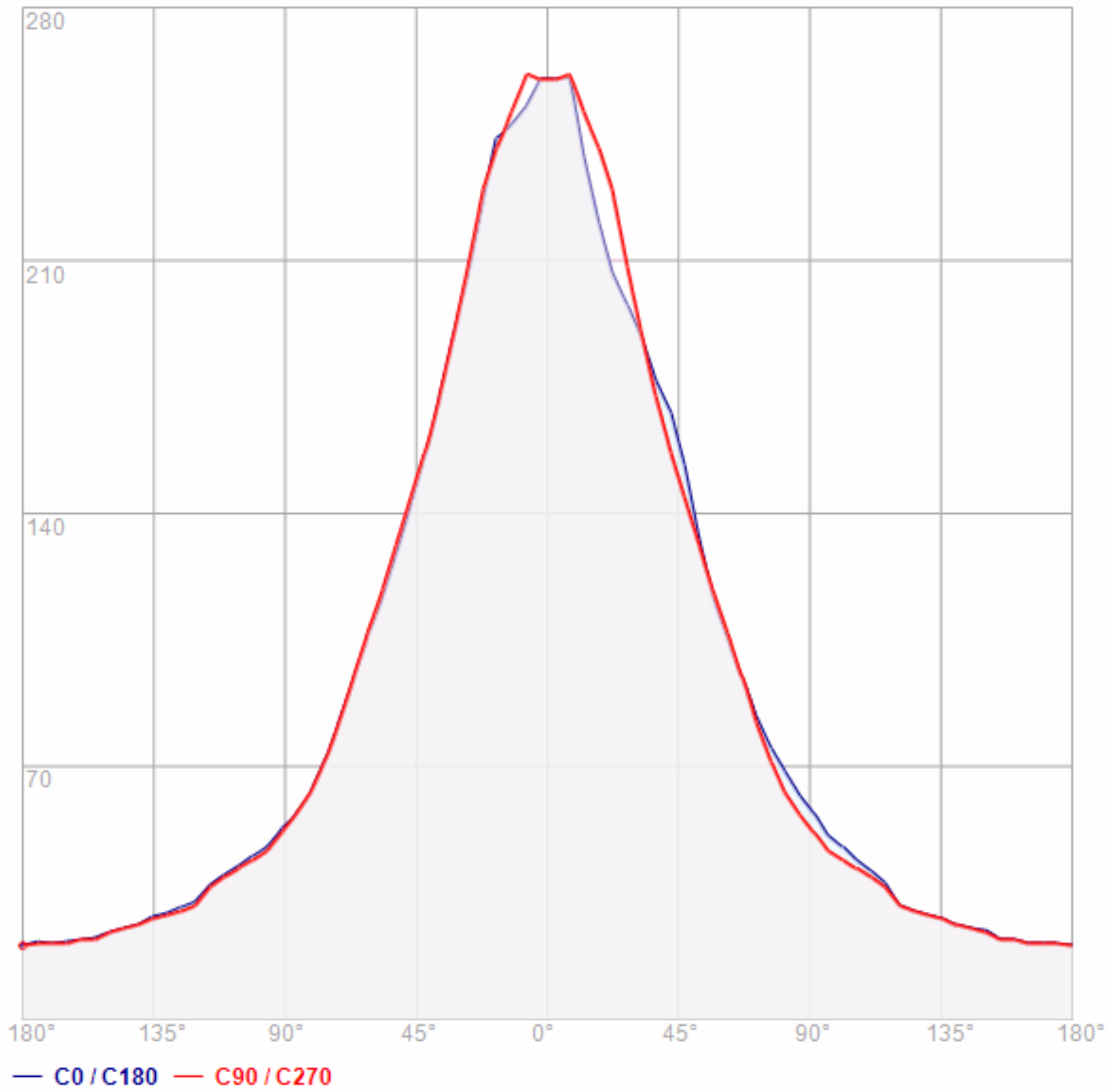
# PHOTOMETRIC MEASUREMENT REPORT N° 18

155°	22.48	22.48	22.48	22.48	22.48	22.48	22.48	22.48	22.48	22.48	22.57	22.77
160°	22.08	22.08	22.08	22.08	22.08	22.08	22.08	22.08	22.08	22.08	22.08	22.08
165°	21.34	21.34	21.41	21.34	21.34	21.34	21.34	21.34	21.34	21.34	21.34	21.41
170°	21.41	21.41	21.41	21.41	21.41	21.11	21.11	21.11	21.41	21.11	21.11	21.11
175°	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
180°	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66	20.66

**Photometric Polar Diagram**



## Photometric Cartesian Diagram





**Light Emmission Photo**





## Opening angle

