

PHOTOMETRIC MEASUREMENT REPORT N° 32

Photometric measurement date: **13/07/2017**

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

Operator: **/Cristina Maffei**

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: **La lollo XL Lace**

Eulumdat reference: **La lollo XL Lace**

Size of luminaire (mm): **800 x 0 x 830**

Size of luminous area (mm): **800 x 0**

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

Number of lamps: **1**

Type of light source: **Strip led Honglitronic F52-600-240822**

Total luminous flux of the light source (lm): **15360**

Output luminous flux of the lamp (lm): **10106.95**

Colour temperature (K): **2700**

Colour rendering index: **90**

Supply current (mA): **N.A.**

Source power (W): **Not available**

Power consumption included source power (W): **96.48**

LED module efficacy (lm/W): **Not available**

System light efficacy (lm/W): **159.20**

Luminaire light efficacy (lm/W): **104.76**

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

Downward Flux Fraction (DFF): **49**

Upward Flux Fraction (UFF): **51.00**

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°	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804
5°	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929
10°	85.5303	85.5303	85.5303	85.5303	86.5365	86.5365	86.5365	86.5365	86.5365	86.5365	87.5428	87.5428
15°	92.574	92.574	92.574	92.574	92.574	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802
20°	99.6176	99.6176	98.6114	98.6114	98.6114	98.6114	97.6052	97.6052	97.6052	97.6052	97.6052	96.5989
25°	99.6176	98.6114	98.6114	98.6114	98.6114	98.6114	97.6052	97.6052	97.6052	97.6052	97.6052	97.6052
30°	100.624	100.624	99.6176	99.6176	98.6114	98.6114	98.6114	97.6052	97.6052	96.5989	96.5989	96.5989
35°	96.5989	96.5989	95.5927	95.5927	94.5864	94.5864	94.5864	93.5802	93.5802	92.574	92.574	91.5677
40°	90.5615	89.5552	89.5552	88.549	88.549	87.5428	87.5428	86.5365	86.5365	85.5303	85.5303	84.524
45°	80.4991	80.4991	80.4991	79.4929	79.4929	79.4929	79.4929	78.4866	78.4866	78.4866	77.4804	77.4804
50°	75.4679	75.4679	74.4617	74.4617	74.4617	73.4554	73.4554	73.4554	72.4492	72.4492	72.4492	71.4429
55°	72.4492	72.4492	72.4492	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	70.4367	70.4367
60°	69.4305	69.4305	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242
65°	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418
70°	69.4305	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242
75°	70.4367	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305
80°	69.4305	69.4305	69.4305	69.4305	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242
85°	69.4305	69.4305	69.4305	69.4305	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	67.418
90°	70.4367	69.4305	69.4305	69.4305	69.4305	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242	67.418
95°	69.4305	68.4242	68.4242	68.4242	68.4242	67.418	67.418	67.418	67.418	66.4118	66.4118	66.4118
100°	67.418	67.418	66.4118	66.4118	66.4118	66.4118	65.4055	65.4055	65.4055	64.3993	64.3993	64.3993
105°	65.4055	65.4055	64.3993	64.3993	64.3993	63.393	63.393	63.393	63.393	62.3868	62.3868	62.3868
110°	64.3993	64.3993	64.3993	63.393	63.393	63.393	63.393	62.3868	62.3868	62.3868	62.3868	61.3806
115°	66.4118	66.4118	66.4118	66.4118	65.4055	65.4055	65.4055	64.3993	64.3993	64.3993	63.393	63.393
120°	70.4367	70.4367	69.4305	69.4305	69.4305	69.4305	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242
125°	74.4617	74.4617	74.4617	73.4554	73.4554	73.4554	73.4554	73.4554	72.4492	72.4492	72.4492	72.4492
130°	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866
135°	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428
140°	98.6114	98.6114	99.6176	99.6176	99.6176	99.6176	100.624	100.624	100.624	100.624	100.624	101.63
145°	119.742	120.749	120.749	121.755	122.761	122.761	123.767	123.767	124.774	124.774	125.78	125.78
150°	150.936	150.936	151.942	151.942	151.942	152.948	152.948	153.955	153.955	154.961	154.961	154.961
155°	154.961	154.961	155.967	155.967	155.967	155.967	155.967	156.973	156.973	156.973	156.973	156.973
160°	133.83	133.83	133.83	134.836	134.836	135.842	135.842	135.842	136.848	136.848	137.855	137.855
165°	136.848	136.848	136.848	136.848	137.855	137.855	137.855	137.855	138.861	138.861	138.861	138.861
170°	140.873	140.873	140.873	140.873	140.873	140.873	140.873	139.867	139.867	139.867	139.867	139.867
175°	142.886	142.886	142.886	141.88	141.88	141.88	141.88	141.88	141.88	140.873	140.873	140.873
180°	144.898	144.898	144.898	144.898	144.898	144.898	144.898	144.898	144.898	144.898	143.892	143.892
Gamma	C60°	C65°	C70°	C75°	C80°	C85°	C90°	C95°	C100°	C105°	C110°	C115°
0°	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804
5°	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929
10°	87.5428	87.5428	87.5428	87.5428	87.5428	88.549	87.5428	88.549	87.5428	87.5428	87.5428	87.5428
15°	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802
20°	96.5989	96.5989	96.5989	96.5989	95.5927	95.5927	95.5927	95.5927	95.5927	96.5989	96.5989	96.5989
25°	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989
30°	95.5927	95.5927	94.5864	94.5864	94.5864	93.5802	94.5864	93.5802	94.5864	94.5864	94.5864	95.5927
35°	91.5677	90.5615	90.5615	89.5552	89.5552	88.549	89.5552	88.549	89.5552	89.5552	90.5615	90.5615
40°	84.524	83.5178	83.5178	83.5178	82.5116	82.5116	82.5116	82.5116	82.5116	83.5178	83.5178	83.5178
45°	77.4804	76.4741	76.4741	76.4741	75.4679	75.4679	75.4679	75.4679	75.4679	76.4741	76.4741	76.4741
50°	71.4429	71.4429	70.4367	70.4367	70.4367	69.4305	70.4367	69.4305	70.4367	70.4367	70.4367	71.4429
55°	70.4367	70.4367	70.4367	70.4367	70.4367	69.4305	70.4367	69.4305	70.4367	70.4367	70.4367	70.4367
60°	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242
65°	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418
70°	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242

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75°	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242
80°	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418
85°	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418
90°	67.418	67.418	67.418	67.418	66.4118	66.4118	66.4118	66.4118	66.4118	67.418	67.418	67.418
95°	66.4118	65.4055	65.4055	65.4055	65.4055	64.3993	65.4055	64.3993	65.4055	65.4055	65.4055	65.4055
100°	64.3993	63.393	63.393	63.393	63.393	62.3868	63.393	62.3868	63.393	63.393	63.393	63.393
105°	62.3868	61.3806	61.3806	61.3806	60.3743	60.3743	60.3743	60.3743	60.3743	61.3806	61.3806	61.3806
110°	61.3806	61.3806	60.3743	60.3743	60.3743	60.3743	60.3743	60.3743	60.3743	60.3743	60.3743	61.3806
115°	63.393	62.3868	62.3868	62.3868	61.3806	61.3806	61.3806	61.3806	61.3806	62.3868	62.3868	62.3868
120°	67.418	67.418	67.418	67.418	66.4118	66.4118	66.4118	66.4118	66.4118	67.418	67.418	67.418
125°	72.4492	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429
130°	78.4866	78.4866	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	78.4866
135°	87.5428	87.5428	87.5428	88.549	88.549	88.549	88.549	88.549	88.549	88.549	87.5428	87.5428
140°	101.63	101.63	101.63	101.63	102.636	102.636	102.636	102.636	102.636	101.63	101.63	101.63
145°	126.786	126.786	127.792	128.799	128.799	129.805	128.799	129.805	128.799	128.799	127.792	126.786
150°	155.967	155.967	156.973	156.973	156.973	157.979	156.973	157.979	156.973	156.973	156.973	155.967
155°	157.979	157.979	157.979	157.979	157.979	158.986	157.979	158.986	157.979	157.979	157.979	157.979
160°	137.855	138.861	138.861	139.867	139.867	140.873	139.867	140.873	139.867	139.867	138.861	138.861
165°	139.867	139.867	139.867	140.873	140.873	140.873	140.873	140.873	140.873	140.873	139.867	139.867
170°	139.867	139.867	139.867	139.867	138.861	138.861	138.861	138.861	138.861	139.867	139.867	139.867
175°	140.873	140.873	140.873	139.867	139.867	139.867	139.867	139.867	139.867	139.867	140.873	140.873
180°	143.892	143.892	143.892	143.892	143.892	143.892	143.892	143.892	143.892	143.892	143.892	143.892
Gamma	C120°	C125°	C130°	C135°	C140°	C145°	C150°	C155°	C160°	C165°	C170°	C175°
0°	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804
5°	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929
10°	87.5428	87.5428	87.5428	86.5365	86.5365	86.5365	86.5365	86.5365	86.5365	85.5303	85.5303	85.5303
15°	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	92.574	92.574	92.574	92.574
20°	96.5989	96.5989	97.6052	97.6052	97.6052	97.6052	97.6052	98.6114	98.6114	98.6114	98.6114	99.6176
25°	96.5989	97.6052	97.6052	97.6052	97.6052	97.6052	97.6052	98.6114	98.6114	98.6114	98.6114	98.6114
30°	95.5927	96.5989	96.5989	96.5989	97.6052	97.6052	98.6114	98.6114	98.6114	99.6176	99.6176	100.624
35°	91.5677	91.5677	92.574	92.574	93.5802	93.5802	94.5864	94.5864	94.5864	95.5927	95.5927	96.5989
40°	84.524	84.524	85.5303	85.5303	86.5365	86.5365	87.5428	87.5428	88.549	88.549	89.5552	89.5552
45°	77.4804	77.4804	77.4804	78.4866	78.4866	78.4866	79.4929	79.4929	79.4929	79.4929	80.4991	80.4991
50°	71.4429	71.4429	72.4492	72.4492	72.4492	73.4554	73.4554	73.4554	74.4617	74.4617	74.4617	75.4679
55°	70.4367	70.4367	70.4367	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	72.4492	72.4492
60°	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	69.4305	69.4305
65°	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418
70°	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	69.4305
75°	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305
80°	67.418	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	69.4305	69.4305	69.4305	69.4305
85°	67.418	67.418	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	69.4305	69.4305	69.4305	69.4305
90°	67.418	67.418	68.4242	68.4242	68.4242	68.4242	68.4242	69.4305	69.4305	69.4305	69.4305	69.4305
95°	66.4118	66.4118	66.4118	66.4118	67.418	67.418	67.418	67.418	68.4242	68.4242	68.4242	68.4242
100°	64.3993	64.3993	64.3993	64.3993	65.4055	65.4055	65.4055	66.4118	66.4118	66.4118	66.4118	67.418
105°	62.3868	62.3868	62.3868	62.3868	63.393	63.393	63.393	63.393	64.3993	64.3993	64.3993	65.4055
110°	61.3806	61.3806	62.3868	62.3868	62.3868	62.3868	63.393	63.393	63.393	63.393	64.3993	64.3993
115°	63.393	63.393	63.393	64.3993	64.3993	64.3993	65.4055	65.4055	65.4055	66.4118	66.4118	66.4118
120°	67.418	68.4242	68.4242	68.4242	68.4242	68.4242	69.4305	69.4305	69.4305	69.4305	69.4305	70.4367
125°	72.4492	72.4492	72.4492	72.4492	72.4492	73.4554	73.4554	73.4554	73.4554	73.4554	74.4617	74.4617
130°	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866
135°	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428
140°	101.63	101.63	100.624	100.624	100.624	100.624	100.624	99.6176	99.6176	99.6176	99.6176	98.6114
145°	126.786	125.78	125.78	124.774	124.774	123.767	123.767	122.761	122.761	121.755	120.749	120.749
150°	155.967	154.961	154.961	154.961	153.955	153.955	152.948	152.948	151.942	151.942	151.942	150.936
155°	157.979	156.973	156.973	156.973	156.973	156.973	155.967	155.967	155.967	155.967	155.967	154.961
160°	137.855	137.855	137.855	136.848	136.848	135.842	135.842	135.842	134.836	134.836	133.83	133.83

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165°	139.867	138.861	138.861	138.861	138.861	137.855	137.855	137.855	137.855	136.848	136.848	136.848
170°	139.867	139.867	139.867	139.867	139.867	139.867	140.873	140.873	140.873	140.873	140.873	140.873
175°	140.873	140.873	140.873	140.873	141.88	141.88	141.88	141.88	141.88	141.88	142.886	142.886
180°	143.892	143.892	143.892	144.898	144.898	144.898	144.898	144.898	144.898	144.898	144.898	144.898
Gamma	C180°	C185°	C190°	C195°	C200°	C205°	C210°	C215°	C220°	C225°	C230°	C235°
0°	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804
5°	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929
10°	85.5303	85.5303	85.5303	85.5303	86.5365	86.5365	86.5365	86.5365	86.5365	86.5365	87.5428	87.5428
15°	92.574	92.574	92.574	92.574	92.574	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802
20°	99.6176	99.6176	98.6114	98.6114	98.6114	98.6114	97.6052	97.6052	97.6052	97.6052	97.6052	96.5989
25°	99.6176	98.6114	98.6114	98.6114	98.6114	98.6114	97.6052	97.6052	97.6052	97.6052	97.6052	97.6052
30°	100.624	100.624	99.6176	99.6176	98.6114	98.6114	98.6114	97.6052	97.6052	96.5989	96.5989	96.5989
35°	96.5989	96.5989	95.5927	95.5927	94.5864	94.5864	94.5864	93.5802	93.5802	92.574	92.574	91.5677
40°	90.5615	89.5552	89.5552	88.549	88.549	87.5428	87.5428	86.5365	86.5365	85.5303	85.5303	84.524
45°	80.4991	80.4991	80.4991	79.4929	79.4929	79.4929	79.4929	78.4866	78.4866	78.4866	77.4804	77.4804
50°	75.4679	75.4679	74.4617	74.4617	74.4617	73.4554	73.4554	73.4554	72.4492	72.4492	72.4492	71.4429
55°	72.4492	72.4492	72.4492	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	70.4367	70.4367
60°	69.4305	69.4305	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242
65°	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418
70°	69.4305	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242
75°	70.4367	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305
80°	69.4305	69.4305	69.4305	69.4305	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242
85°	69.4305	69.4305	69.4305	69.4305	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	67.418
90°	70.4367	69.4305	69.4305	69.4305	69.4305	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242	67.418
95°	69.4305	68.4242	68.4242	68.4242	68.4242	67.418	67.418	67.418	67.418	66.4118	66.4118	66.4118
100°	67.418	67.418	66.4118	66.4118	66.4118	66.4118	65.4055	65.4055	65.4055	64.3993	64.3993	64.3993
105°	65.4055	65.4055	64.3993	64.3993	64.3993	63.393	63.393	63.393	63.393	62.3868	62.3868	62.3868
110°	64.3993	64.3993	64.3993	63.393	63.393	63.393	63.393	62.3868	62.3868	62.3868	62.3868	61.3806
115°	66.4118	66.4118	66.4118	66.4118	65.4055	65.4055	65.4055	64.3993	64.3993	64.3993	63.393	63.393
120°	70.4367	70.4367	69.4305	69.4305	69.4305	69.4305	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242
125°	74.4617	74.4617	74.4617	73.4554	73.4554	73.4554	73.4554	73.4554	72.4492	72.4492	72.4492	72.4492
130°	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866
135°	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428
140°	98.6114	98.6114	99.6176	99.6176	99.6176	99.6176	100.624	100.624	100.624	100.624	100.624	101.63
145°	119.742	120.749	120.749	121.755	122.761	122.761	123.767	123.767	124.774	124.774	125.78	125.78
150°	150.936	150.936	151.942	151.942	151.942	152.948	152.948	153.955	153.955	154.961	154.961	154.961
155°	154.961	154.961	155.967	155.967	155.967	155.967	155.967	156.973	156.973	156.973	156.973	156.973
160°	133.83	133.83	133.83	134.836	134.836	135.842	135.842	135.842	136.848	136.848	137.855	137.855
165°	136.848	136.848	136.848	136.848	137.855	137.855	137.855	137.855	138.861	138.861	138.861	138.861
170°	140.873	140.873	140.873	140.873	140.873	140.873	140.873	139.867	139.867	139.867	139.867	139.867
175°	142.886	142.886	142.886	141.88	141.88	141.88	141.88	141.88	141.88	140.873	140.873	140.873
180°	144.898	144.898	144.898	144.898	144.898	144.898	144.898	144.898	144.898	144.898	143.892	143.892
Gamma	C240°	C245°	C250°	C255°	C260°	C265°	C270°	C275°	C280°	C285°	C290°	C295°
0°	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804
5°	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929
10°	87.5428	87.5428	87.5428	87.5428	87.5428	88.549	87.5428	88.549	87.5428	87.5428	87.5428	87.5428
15°	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802
20°	96.5989	96.5989	96.5989	96.5989	95.5927	95.5927	95.5927	95.5927	95.5927	96.5989	96.5989	96.5989
25°	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989	96.5989
30°	95.5927	95.5927	94.5864	94.5864	94.5864	93.5802	94.5864	93.5802	94.5864	94.5864	94.5864	95.5927
35°	91.5677	90.5615	90.5615	89.5552	89.5552	88.549	89.5552	88.549	89.5552	89.5552	90.5615	90.5615
40°	84.524	83.5178	83.5178	83.5178	82.5116	82.5116	82.5116	82.5116	82.5116	83.5178	83.5178	83.5178
45°	77.4804	76.4741	76.4741	76.4741	75.4679	75.4679	75.4679	75.4679	75.4679	76.4741	76.4741	76.4741
50°	71.4429	71.4429	70.4367	70.4367	70.4367	69.4305	70.4367	69.4305	70.4367	70.4367	70.4367	71.4429
55°	70.4367	70.4367	70.4367	70.4367	70.4367	69.4305	70.4367	69.4305	70.4367	70.4367	70.4367	70.4367
60°	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242

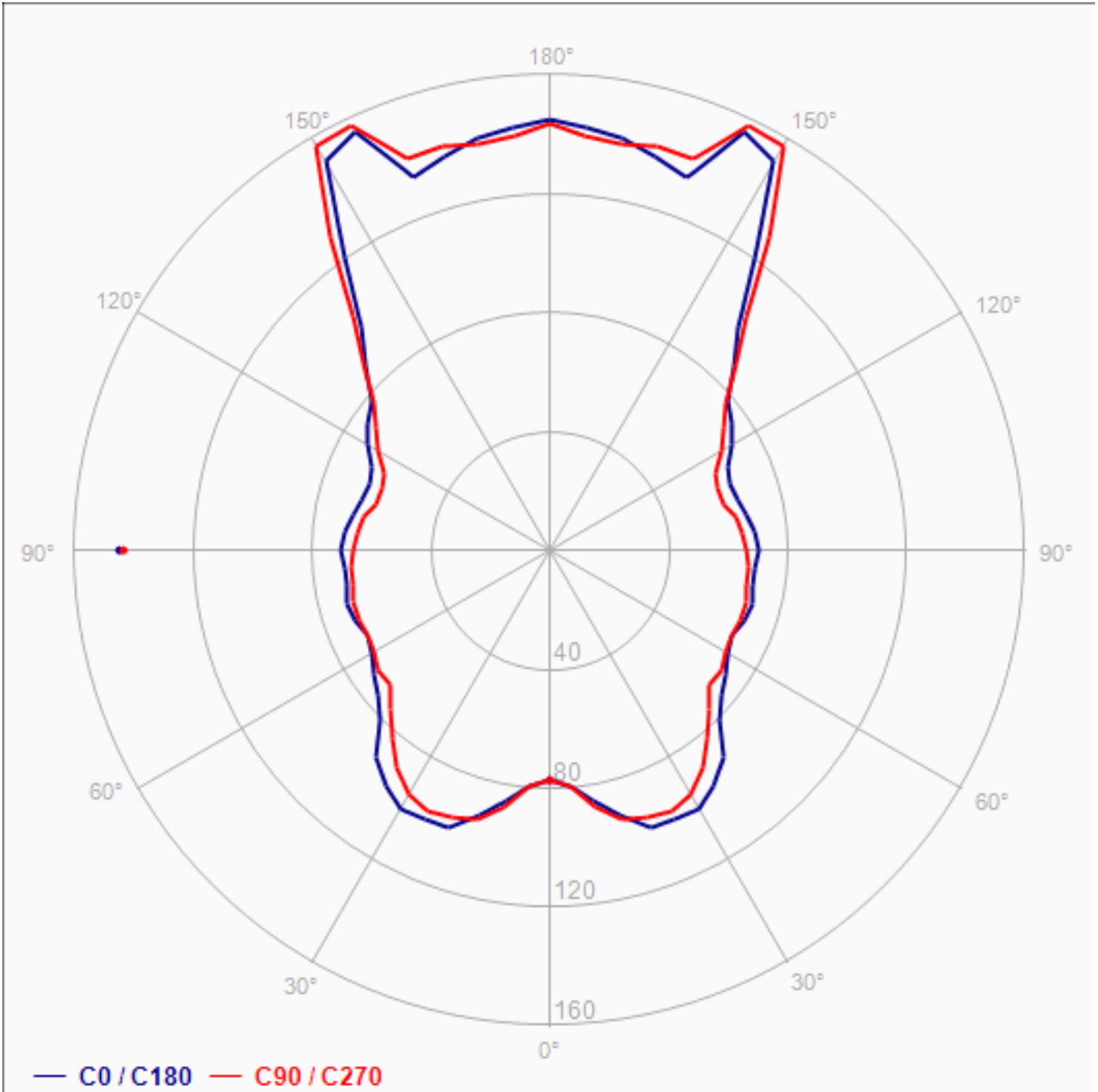
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65°	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418
70°	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242
75°	69.4305	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242
80°	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418
85°	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418
90°	67.418	67.418	67.418	67.418	66.4118	66.4118	66.4118	66.4118	66.4118	67.418	67.418	67.418
95°	66.4118	65.4055	65.4055	65.4055	65.4055	64.3993	65.4055	64.3993	65.4055	65.4055	65.4055	65.4055
100°	64.3993	63.393	63.393	63.393	63.393	62.3868	63.393	62.3868	63.393	63.393	63.393	63.393
105°	62.3868	61.3806	61.3806	61.3806	60.3743	60.3743	60.3743	60.3743	60.3743	61.3806	61.3806	61.3806
110°	61.3806	61.3806	60.3743	60.3743	60.3743	60.3743	60.3743	60.3743	60.3743	60.3743	60.3743	61.3806
115°	63.393	62.3868	62.3868	62.3868	61.3806	61.3806	61.3806	61.3806	61.3806	62.3868	62.3868	62.3868
120°	67.418	67.418	67.418	67.418	66.4118	66.4118	66.4118	66.4118	66.4118	67.418	67.418	67.418
125°	72.4492	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429
130°	78.4866	78.4866	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	78.4866
135°	87.5428	87.5428	87.5428	88.549	88.549	88.549	88.549	88.549	88.549	88.549	87.5428	87.5428
140°	101.63	101.63	101.63	101.63	102.636	102.636	102.636	102.636	102.636	101.63	101.63	101.63
145°	126.786	126.786	127.792	128.799	128.799	129.805	128.799	129.805	128.799	128.799	127.792	126.786
150°	155.967	155.967	156.973	156.973	156.973	157.979	156.973	157.979	156.973	156.973	156.973	155.967
155°	157.979	157.979	157.979	157.979	157.979	158.986	157.979	158.986	157.979	157.979	157.979	157.979
160°	137.855	138.861	138.861	139.867	139.867	140.873	139.867	140.873	139.867	139.867	138.861	138.861
165°	139.867	139.867	139.867	140.873	140.873	140.873	140.873	140.873	140.873	140.873	139.867	139.867
170°	139.867	139.867	139.867	139.867	138.861	138.861	138.861	138.861	138.861	139.867	139.867	139.867
175°	140.873	140.873	140.873	139.867	139.867	139.867	139.867	139.867	139.867	139.867	140.873	140.873
180°	143.892	143.892	143.892	143.892	143.892	143.892	143.892	143.892	143.892	143.892	143.892	143.892
Gamma	C300°	C305°	C310°	C315°	C320°	C325°	C330°	C335°	C340°	C345°	C350°	C355°
0°	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804	77.4804
5°	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929	79.4929
10°	87.5428	87.5428	87.5428	86.5365	86.5365	86.5365	86.5365	86.5365	86.5365	85.5303	85.5303	85.5303
15°	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	93.5802	92.574	92.574	92.574
20°	96.5989	96.5989	97.6052	97.6052	97.6052	97.6052	97.6052	97.6052	98.6114	98.6114	98.6114	99.6176
25°	96.5989	97.6052	97.6052	97.6052	97.6052	97.6052	97.6052	97.6052	98.6114	98.6114	98.6114	98.6114
30°	95.5927	96.5989	96.5989	96.5989	97.6052	97.6052	98.6114	98.6114	98.6114	99.6176	99.6176	100.624
35°	91.5677	91.5677	92.574	92.574	93.5802	93.5802	94.5864	94.5864	94.5864	95.5927	95.5927	96.5989
40°	84.524	84.524	85.5303	85.5303	86.5365	86.5365	87.5428	87.5428	88.549	88.549	89.5552	89.5552
45°	77.4804	77.4804	77.4804	78.4866	78.4866	78.4866	79.4929	79.4929	79.4929	79.4929	80.4991	80.4991
50°	71.4429	71.4429	72.4492	72.4492	72.4492	73.4554	73.4554	73.4554	74.4617	74.4617	74.4617	75.4679
55°	70.4367	70.4367	70.4367	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	71.4429	72.4492	72.4492
60°	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	69.4305	69.4305
65°	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418	67.418
70°	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	69.4305
75°	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305	69.4305
80°	67.418	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	69.4305	69.4305	69.4305	69.4305
85°	67.418	67.418	68.4242	68.4242	68.4242	68.4242	68.4242	68.4242	69.4305	69.4305	69.4305	69.4305
90°	67.418	67.418	68.4242	68.4242	68.4242	68.4242	68.4242	69.4305	69.4305	69.4305	69.4305	69.4305
95°	66.4118	66.4118	66.4118	66.4118	67.418	67.418	67.418	67.418	68.4242	68.4242	68.4242	68.4242
100°	64.3993	64.3993	64.3993	64.3993	65.4055	65.4055	65.4055	66.4118	66.4118	66.4118	66.4118	67.418
105°	62.3868	62.3868	62.3868	62.3868	63.393	63.393	63.393	63.393	64.3993	64.3993	64.3993	65.4055
110°	61.3806	61.3806	62.3868	62.3868	62.3868	62.3868	63.393	63.393	63.393	63.393	64.3993	64.3993
115°	63.393	63.393	63.393	64.3993	64.3993	64.3993	65.4055	65.4055	65.4055	66.4118	66.4118	66.4118
120°	67.418	68.4242	68.4242	68.4242	68.4242	68.4242	69.4305	69.4305	69.4305	69.4305	69.4305	70.4367
125°	72.4492	72.4492	72.4492	72.4492	72.4492	73.4554	73.4554	73.4554	73.4554	73.4554	74.4617	74.4617
130°	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866	78.4866
135°	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428	87.5428
140°	101.63	101.63	100.624	100.624	100.624	100.624	100.624	100.624	99.6176	99.6176	99.6176	98.6114
145°	126.786	125.78	125.78	124.774	124.774	123.767	123.767	122.761	122.761	121.755	120.749	120.749
150°	155.967	154.961	154.961	154.961	153.955	153.955	152.948	152.948	151.942	151.942	151.942	150.936

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155°	157.979	156.973	156.973	156.973	156.973	156.973	155.967	155.967	155.967	155.967	155.967	154.961
160°	137.855	137.855	137.855	136.848	136.848	135.842	135.842	135.842	134.836	134.836	133.83	133.83
165°	139.867	138.861	138.861	138.861	138.861	137.855	137.855	137.855	137.855	136.848	136.848	136.848
170°	139.867	139.867	139.867	139.867	139.867	139.867	140.873	140.873	140.873	140.873	140.873	140.873
175°	140.873	140.873	140.873	140.873	141.88	141.88	141.88	141.88	141.88	141.88	141.88	142.886
180°	143.892	143.892	143.892	144.898	144.898	144.898	144.898	144.898	144.898	144.898	144.898	144.898

Photometric Polar Diagram



Photometric Cartesian Diagram



Light Emmission Photo

