

Report No. : 192

Test Time : 2025-01-29 10:30:33

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SELECTA Goniophotometer Test Report

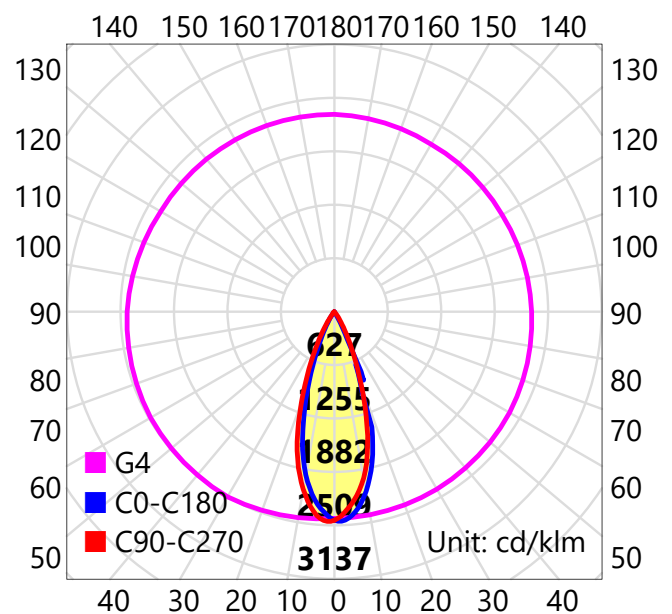
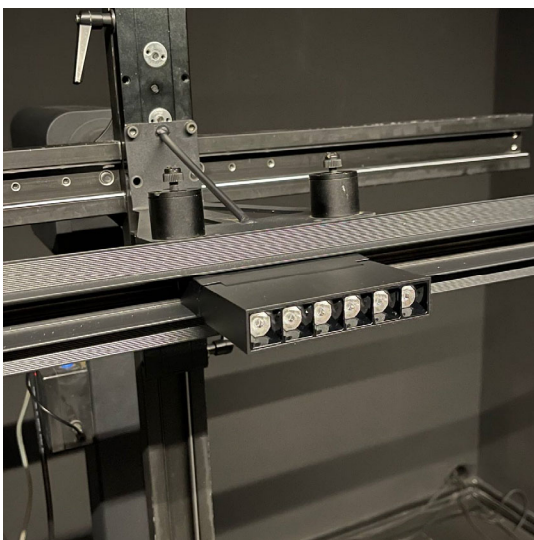
Product Info

Luminaire Category : **MagLight**Luminaire : **SPIN LINE UGR 111мм 6W 2700K 48v**Lamp Category : **MagLight**Lamp : **SPIN LINE UGR 111мм 6W 2700K 48v**Manufacturer : **Selecta**Submitter : **Gubarev S. S.**Nuber of Lamps : **1**Lumens per Lamp : **0 lm**Luminous Length : **111 mm**Luminous Width : **22 mm**Luminous Height : **115 mm**

Electric Parameters

Voltage : **220.00 V** Current : **0.0800 A** Power : **7.13 W** Power Factor : **0.402** Frequency : **49.99 Hz**

Photometric Parameters

CIE Class : **Direct**Measurement Flux : **386.2 lm**Upward Ratio : **0.00 %**Maximum Intensity : **2509.27 cd/klm**Central Intensity : **2449.04 cd/klm**Luminaire Efficacy Rating (LER) : **54**Beam Angle (C0-C180,C90-C270) : **35.2 °, 36.5 °**Field Angle (C0-C180,C90-C270) : **55.2 °, 60.6 °**Total Rated Lamp Lumens : **386.2 lm**Efficiency : **100.00 %**Downward Ratio : **100.00 %**Position Of Maximum Intensity : **C330° γ4°**S/MH(C0-C180,C90-C270) : **0.60, 0.60**Energy Efficiency Class : **G (EU 2019/2015 η_{TM}:63lm/W)**Beam Angle (C45-C225,C135-C315) : **36.3 °, 36.2 °**Field Angle (C45-C225,C135-C315) : **62.2 °, 61.9 °**

Test Type : Type C

Test Distance : 7.922 m

C Plane (°): 0.0-360.0:30.0 γ (°): 0.0-90.0:1.0

Test Device : Lisun LSG-1800A

Temperature : 21.0°C Humidity : 22.0%

Test Lab :

Test By : Gubarev S. S.

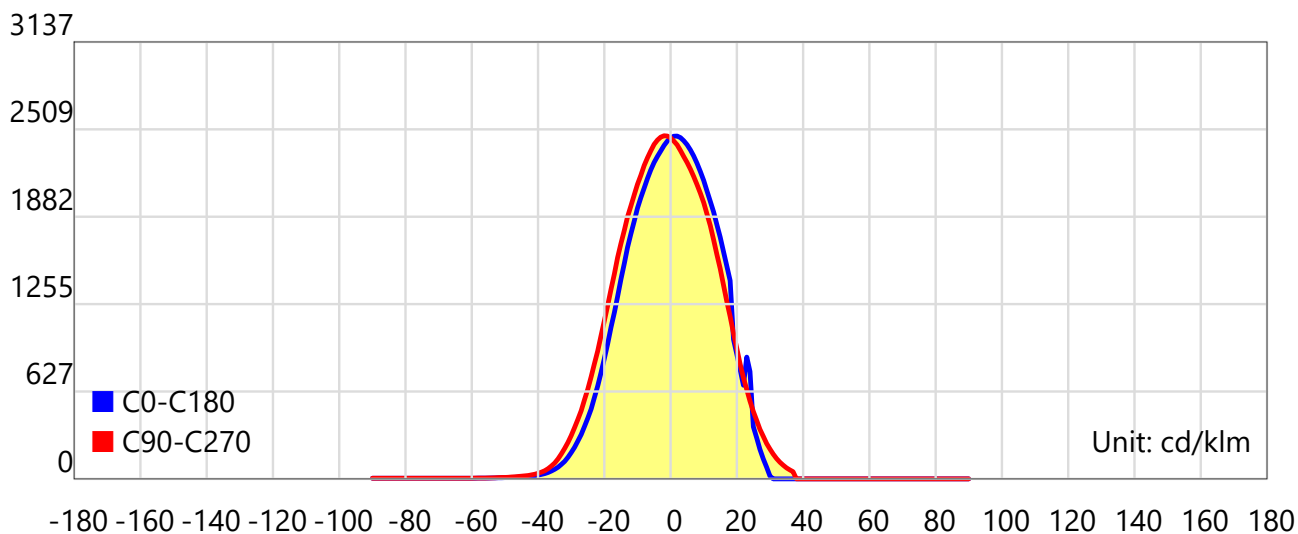
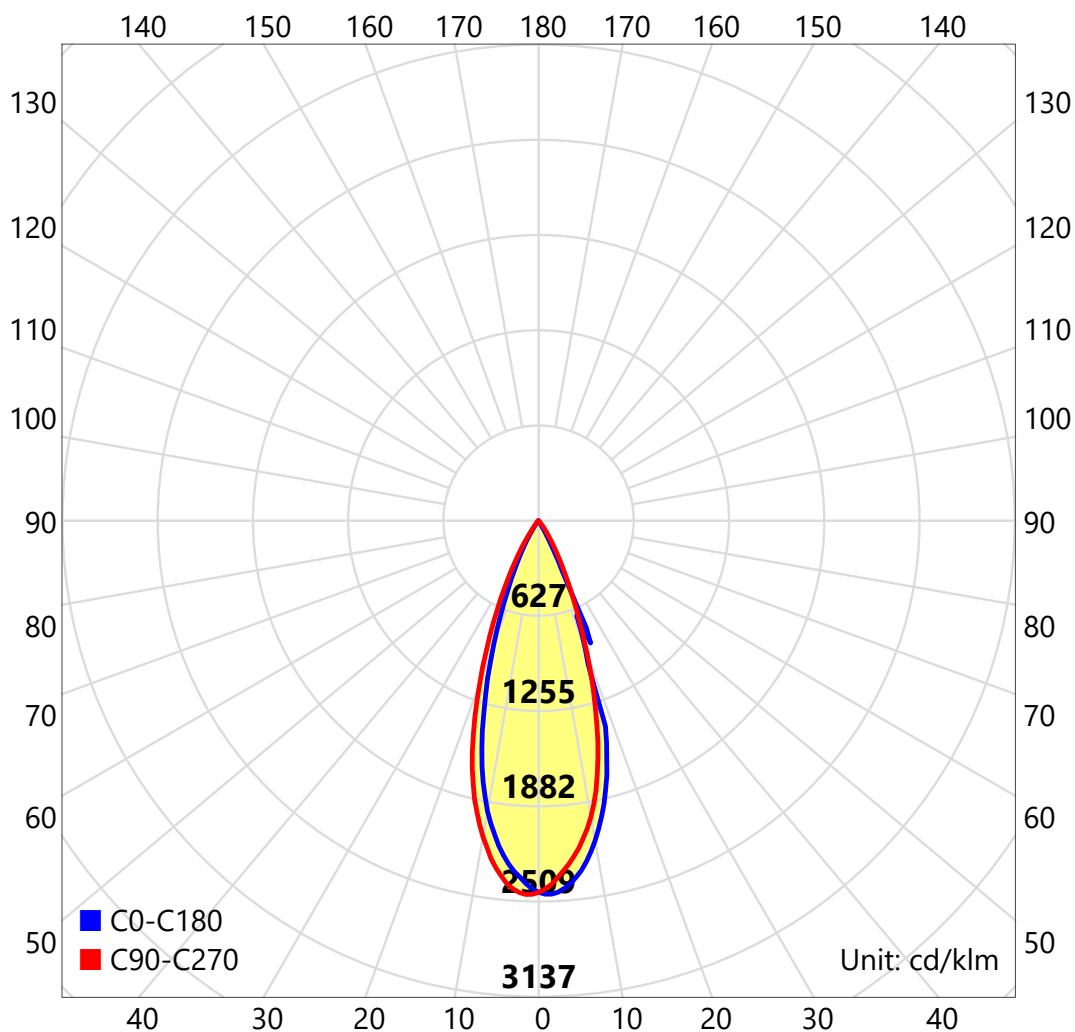
Review By :

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Light Distribution Curve



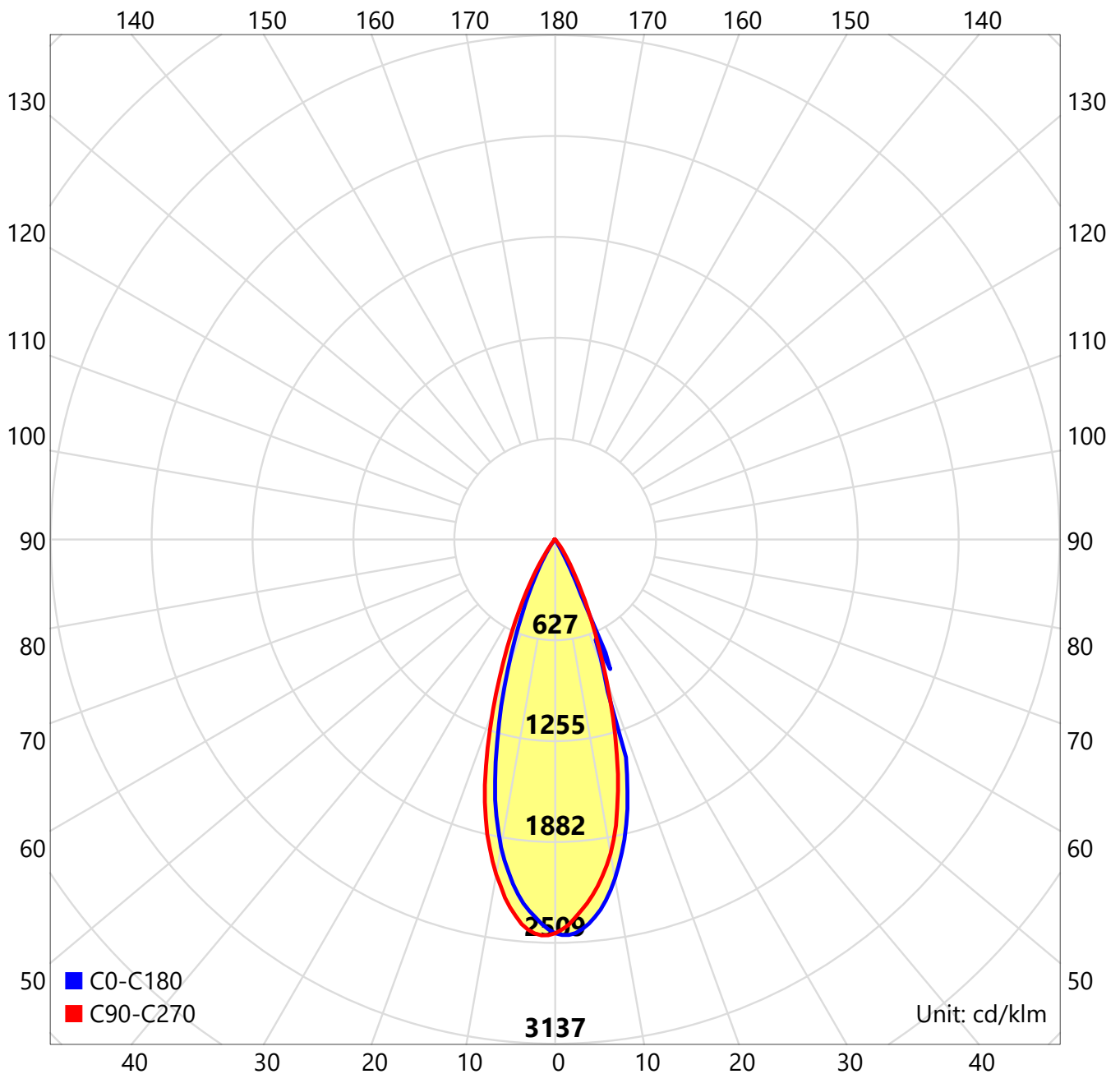
Test Type : Type C Test Distance : 7.922 m C Plane (°): 0.0-360.0:30.0γ (°): 0.0-90.0:1.0
Test Device : Lisun LSG-1800A Temperature : 21.0°C Humidity : 22.0%
Test Lab :
Test By : Gubarev S. S. Review By :

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Light Distribution Curve (cd/klm)



SPIN LINE UGR 111mm 6W 2700K 48v/MagLight

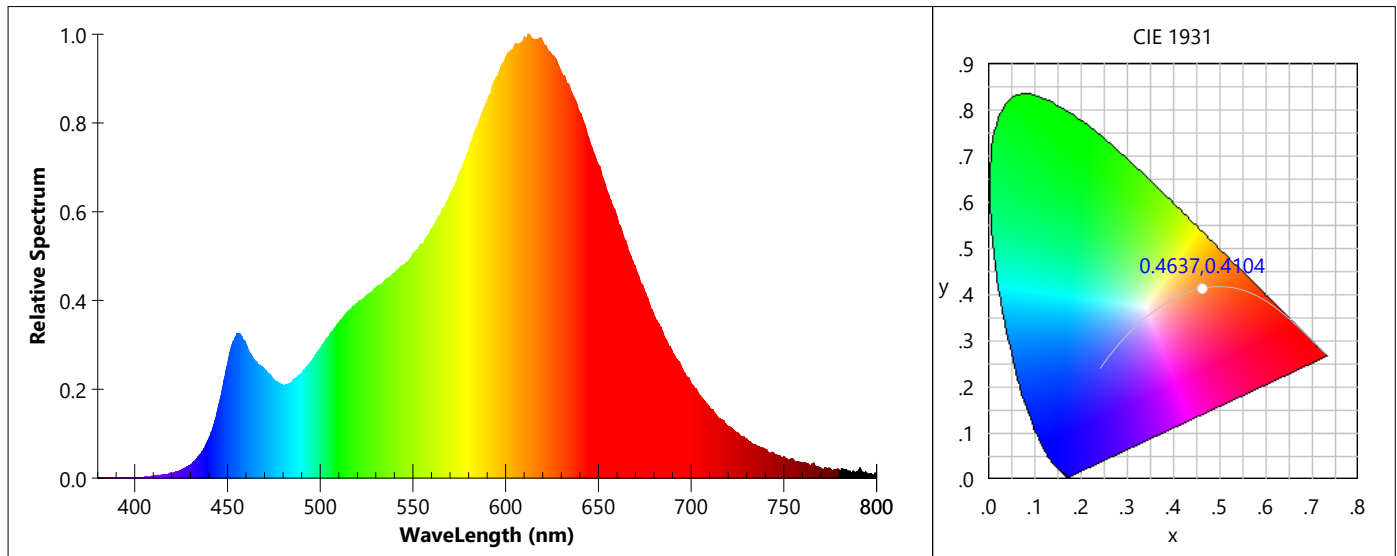
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Color Properties



Colorimetric

CIE(x,y): 0.4637,0.4104

CIE(u,v): 0.2651,0.3519

CIE(u',v'): 0.2651,0.5279

CCT: 2645 K (Duv=-0.000372)

Dominant Wavelength: 584.6 nm

Color Purity: 0.624

Peak Wavelength: 612.3 nm

Half Width: 118.1 nm

Color Ratio: R:0.267, G:0.707, B:0.026

Color Render Index: Ra: 88.5

R1: 89	R2: 98	R3: 94	R4: 88	R5: 90	R6: 97	R7: 84	R8: 68
R9: 33	R10: 94	R11: 98	R12: 85	R13: 92	R14: 97	R15: 82	

Color Quality Scale: Qa: 87.7 , Qf: 87.9 , Qp: 89.3 , Qg: 91.4

Q1: 82	Q2: 92	Q3: 91	Q4: 88	Q5: 89	Q6: 90	Q7: 90	Q8: 91
Q9: 94	Q10: 95	Q11: 93	Q12: 90	Q13: 88	Q14: 80	Q15: 80	

TM-30-18: Rf: 89 , Rg: 95

Phyto-light Parameters

Photosynthetic Photon Flux (Фp): 5.961 umol/s
 Photosynthetic Active Radiant Flux (Фe): 1.213 W
 Photons Flux (400~500nm): 0.521 umol/s
 Photons Flux (600~700nm): 3.177 umol/s
 Photons Flux (PFuv 280~400nm): 0.000 umol/s
 Radiant Flux (400~500nm): 0.133 W
 Radiant Flux (600~700nm): 0.595 W
 Radiant Flux (280~400nm): 0.000 W
 YPF (320~800nm): 5.441 umol/s
 YPF (500~600nm): 2.013 umol/s
 YPF (700~800nm): 0.073 umol/s
 Radiant Flux (Chl-A): 0.102 W

Photosynthetic Photon Efficacy (Kp): 0.836 umol/J
 Photosynthetic Radiant Efficiency (ηe): 0.170
 Photons Flux (500~600nm): 2.262 umol/s
 Photons Flux (PFfr 700~800nm): 0.352 umol/s
 Photons Flux (PF_PBAR): 6.313 umol/s
 Radiant Flux (500~600nm): 0.484 W
 Radiant Flux (700~800nm): 0.058 W
 R/B: 4.5 R/FR: 10.3
 YPF (400~500nm): 0.372 umol/s
 YPF (600~700nm): 2.982 umol/s
 YPF (320~400nm): 0.000 umol/s
 Radiant Flux (Chl-B): 0.121 W

Test Type : Type C

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Temperature : 21.0°C Humidity : 22.0%

Test Lab :

Test By : Gubarev S. S.

Review By :