FootballPlayground

Name: عصام محمد فاروق ابوالمكارم Department: Electronics & Communication ID: 18011055

Date: 26.12.2019 Operator: عصام محمد فاروق ابوالمكارم

FootballPlayground



Faculty of Engineering Alexandria University

Alexandria, Egypt

عصام محمد فاروق ابو المكارم Operator Telephone 01010026585

Fax Communication 18011055 e-Mail essamessam4320@gmail.com

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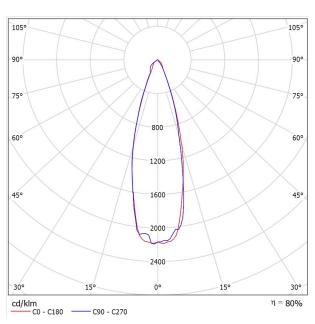
PHILIPS MVF404 1xMHN-SEH2000W/400V/956 B7 / Luminaire Data Sheet



Luminaire classification according to CIE: 100 CIE flux code: 90 98 100 100 81

ArenaVision MVF404 – exceptional optical efficiency. The ArenaVision MVF404 floodlight – designed for outdoor sports stadiums – dramatically increases the theatrical and emotional impact of sports for TV audiences and spectators, while allowing the players to perform under optimal visual conditions. Thanks to the innovative Philips MHN-SE 2000 W high-output compact single-ended metal-halide lamp and high-tech single-piece precision optics, ArenaVision MVF404 offers much higher optical efficiency than ever before. In addition, this 2 kW floodlight boasts easy lamp fitting and replacement, full IP65 compliance, safety knife connector system and a breakthrough electronic hot-restrike solution - while continuing to deliver all the traditional benefits of Philips ArenaVision systems. The (optional) flicker-free version of ArenaVision MVF404 is designed to ensure that the flicker effect is fully eliminated in order to guarantee perfect images filmed with super-slow-motion cameras at sports events. The flicker-free version of ArenaVision MVF404 comes equipped with a special electronic ignitor, which works in combination with Philips' flicker-free electronic-ballast GearUnits (ECM330), to be ordered separately.

Luminous emittance 1:



Due to missing symmetry properties, no UGR table can be displayed for this luminaire.



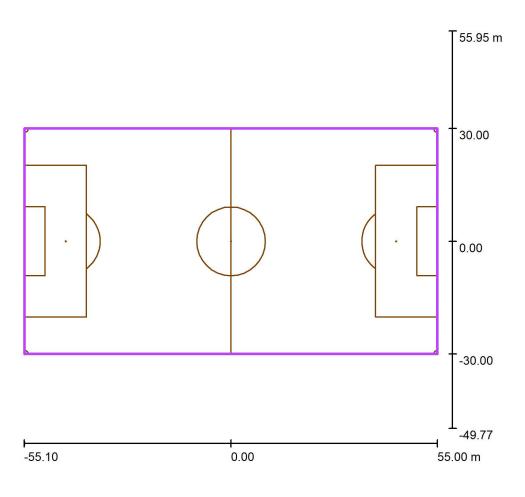
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Playground / Soccer Field 1 Calculation Grid (PA) / Summary



Scale 1: 1008

Position: (0.000 m, 0.000 m, 0.000 m)

Size: (110.000 m, 60.000 m) Rotation: (0.0°, 0.0°, 0.0°)

Type: Normal, Grid: 21 x 11 Points

Belongs to the following sport arena: Soccer Field 1

Results overview

No.	Туре	E _{av} [lx]	E _{min} [lx]	E _{max} [lx]	u0	E_{min}/E_{max}	$E_{h\;m}/E_{m}$	H [m]	Camera
1	perpendicular	752	457	1497	0.61	0.31	/	0.000	1

 ${\sf E_{h\ m}/E_{m}}$ = Relationship between middle horizontal and vertical illuminance, H = Measuring Height

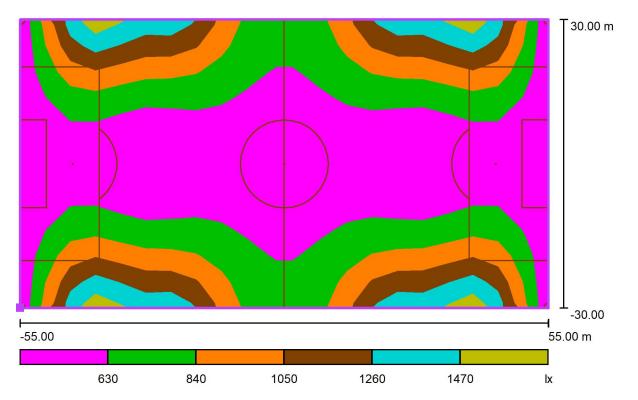


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Playground / Soccer Field 1 Calculation Grid (PA) / Greyscale (E, Perpendicular)



Scale 1:787

Position of surface in external scene: Marked point: (-55.000 m, -30.000 m,

0.000 m)

Grid: 21 x 11 Points

E_{av} [lx] 752 E_{min} [lx] 457 E_{max} [lx] 1497

u0 0.61 E_{min} / E_{max}