Schréder
Experts in lightability™

SHUFFLE

SHUFFLE 360 LGT GEN2

SHUFFLE is a connected, modular approach to city hardware. With its plug-and-play rotatable modules that contain pre-certified hardware, it can be configured to suit your specific needs.

KEY ADVANTAGES

- **Seamless integration in the SHUFFLE column**
- **Numerous lighting configurations**
- **Connected-ready with 7-pin NEMA or Zhaga socket for IoT platforms**
- **Easy installation with patented mounting system**
- **Optional emergency strobe light**

The SHUFFLE 360 LGT GEN2 modules embody lighting and beyond lighting versatility. They are designed to offer a variety of lighting options that improve the safety of citizens while protecting the surrounding flora and fauna at the same time.

As a lighting fixture, these modules offer a range of options such as various LED colour temperatures, lumen outputs, optics, controls, electrical classes and protector types.

Equipped with an optional NEMA or Zhaga socket, these modules are connected-ready. They are fully compatible with the Schréder EXEDRA lighting management system and open the door to integration with other IoT platforms.

The lower section of the modules can be adapted to host an emergency strobe light. The strobe can be triggered locally or remotely to alert emergency services.

These modules were carefully designed and built from high-pressure die-cast aluminium combined with a clear, semi or totally sanded protectors to meet all lighting requirements.

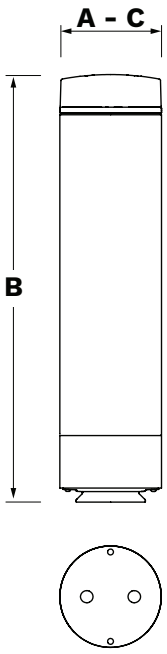
DARKSKY APPROVED · Reduces light pollution ·

SHUFFLE 360 LGT GEN2 | CHARACTERISTICS

KEY FEATURES

- **Lumen package range: 1,500 to 8,400lm**
- **Optional back-light control (BL)**
- **French law compliant with G-Limiter option (GL)**
- **Dark Sky compliant**
- **Neutral or warm white LEDs**
- **Optional internal diffuser or external semi or totally sanded protector for enhanced visual comfort**
- **Strobe providing vital visual aid for emergencies**
- **Strobe can be triggered remotely or locally**
- **NEMA 7-pin socket for IoT controller**
- **Zhaga-D4i certified**

DIMENSIONS AND MOUNTING	
AxBxC (mm | inch)	194x815x194 | 7.6x32x7.6
Weight (kg | lbs)	7 | 15.4
Aerodynamic resistance (CxS)	0.16
Mounting Possiblilities	Clamps



Clear protector*

Internal diffuser

Sanded protector

*SHUFFLE is Dark Sky compliant when using the clear protector.

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SHUFFLE 360 LGT GEN2 | CHARACTERISTICS

GENERAL	
Recommended installation height	3m to 6,8m | 9.8' to 22,3'
Driver included	Yes
CE Mark	Yes
CB Mark	Yes
UKCA Certified	Yes
ENEC Certified	Yes
ENEC+ Certified	Yes
UL Mark	Yes
ROHS compliant	Yes
Zhaga-D4i Certified	Yes
French law of December 27th 2018 - Compliant with application type(s)	a, b, c, d, e, f, g
Dark Sky friendly lighting (IDA certification)	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory

HOUSING AND FINISH	
Housing	Aluminum
Optic	PMMA
Protector	Polycarbonate PMMA
Internal Diffuser	Polycarbonate
Housing finish	Polyester powder coating
Standard color	AKZO grey 900 sanded*
Tightness level	IP 66
Impact resistance	IK 10 (polycarbonate) IK 06 (PMMA)
**(any other RAL or AKZO colour upon request)*	

OPERATING CONDITIONS	
Operating temperature range (Ta)	-40°C up to 50°C / -40°F up to 122 °F with wind effect

*Depending on the module configuration. For more details, please contact us.

SHUFFLE	
SHUFFLE Pole model	1 Door | 2 Doors same side | 2 Doors opposite | 3 Doors *with Strobe* - 2 Doors same side | 3 doors
SHUFFLE Components	Mains box | Lighting Box *with Strobe*-Beyond light power supply box
	with Strobe linked to VOIP-Support plate Network
	with Strobe linked to VOIP-Network cable
Position on pole	Always top position

ELECTRICAL	
Electrical class	Class I EU, Class II EU, Class 1US
Nominal voltage	220-240V 50/60Hz 120-277V 50/60Hz
Power factor (at full load)	0.95+
Surge protection options (kV)	10
Electromagnetic compatibilty (EMC)	EN 55015 / EN 61000-3-2 / EN 61547/ EN 61000-4-2 / EN 61000-4-3 / EN 61000-4-4 / EN 61000-4-5 / EN 61000-4-6 / EN 61000-4-8 / EN 61000-4-11
Control protocol(s)	1-10V, DALI
Control options	No Dimming / Bi-Power/ Custom Dimming Profile
Socket	NEMA 7-pin Zhaga
Associated control system(s)	OWLET Nightshift Schréder EXEDRA
Sensor	PIR (optional)

OPTICAL INFORMATION	
LED colour temperature	2700K (Warm White 727) 3000K (warm White 730) 3000K (Warm White 830) 4000K (Neutral White 740)
Color rendering index (CRI)	>70 (Warm White 727) >70 (Warm White 730) >80 (Warm White 830) >70 (Neutral White 740)
Upward Light Output Ratio (ULOR)	<3%

· ULOR may be different according to the configuration. Please consult us.
· Meets Dark Sky requirements when fitted with LEDs of 3000K or less.

LIFETIME OF THE LEDS @ TQ 25°C	
All configurations	100,000h - L95

STROBE	
Colour	Blue
Activation	Linked to SHUFFLE intercom Linked to VOIP
Voltage	24V DC

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SHUFFLE 360 LGT GEN2 | PERFORMANCE

			Luminaire output flux (lm) Warm White 727		Luminaire output flux (lm) Warm White 730		Luminaire output flux (lm) Warm White 830		Luminaire output flux (lm) Neutral White 740		Power consumption (W)	Luminaire efficacy (lm/W)	
Modules	Number of LEDs	Current (mA)	Min	Max	Min	Max	Min	Max	Min	Max		Up to	Photometry
SHUFFLE 360 LGT GEN2	16	350	1500	2200	1600	2400	1600	2300	1600	2400	18.3	140	
	16	500	2000	3000	2200	3300	2200	3200	2200	3300	26	135	
	16	700	2700	4100	2900	4300	2700	4100	3100	4600	37	126	
	20	350	-	-	2100	3100	1900	2900	2200	3200	22.5	146	
	20	500	-	-	2800	4200	2700	3900	3000	4400	32.2	139	
	20	700	-	-	3700	5500	3500	5100	3900	5800	44.9	130	
	24	350	2300	3400	2400	3600	2300	3400	2600	3800	26.9	143	
	24	500	3100	4600	3300	4900	3100	4600	3500	5200	38.5	137	
	24	700	4100	6200	4400	6600	4100	6200	4700	6900	53.5	130	
	24	900	5000	7400	5300	7900	5000	7400	5600	8400	70	120	

Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

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SHUFFLE 360 LGT GEN2 | LIGHT DISTRIBUTIONS

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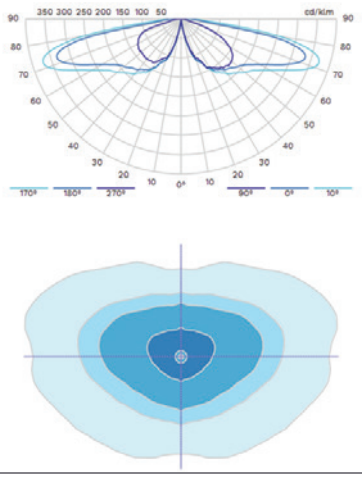

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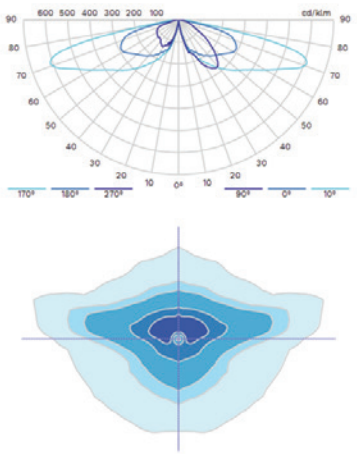

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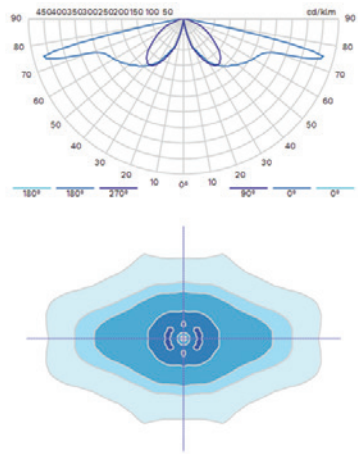

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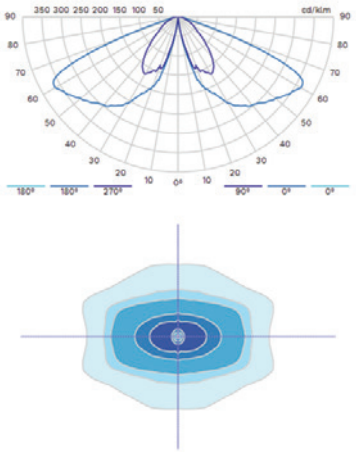

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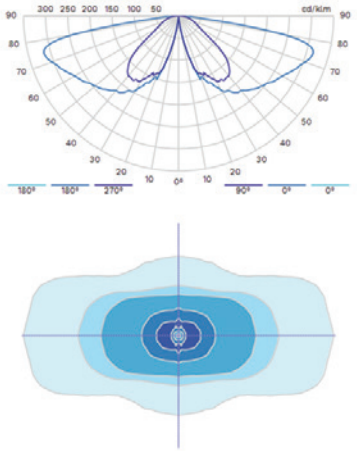

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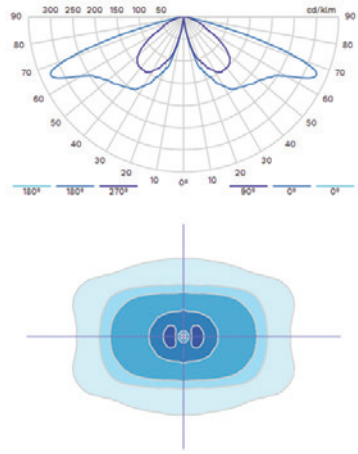

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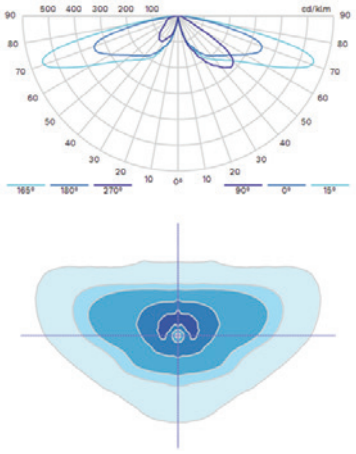

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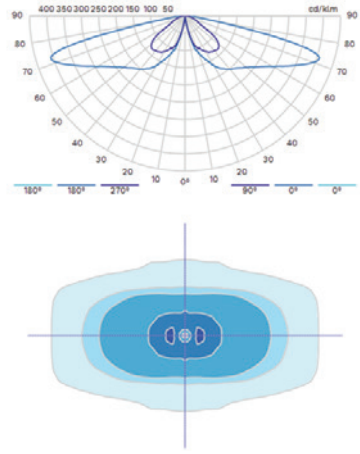

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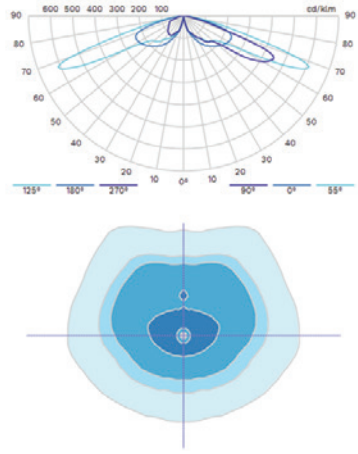

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SHUFFLE 360 LGT GEN2 | LIGHT DISTRIBUTIONS

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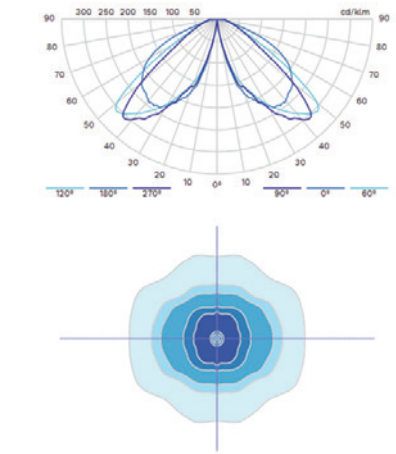

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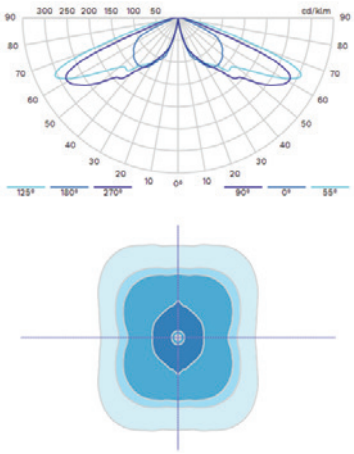

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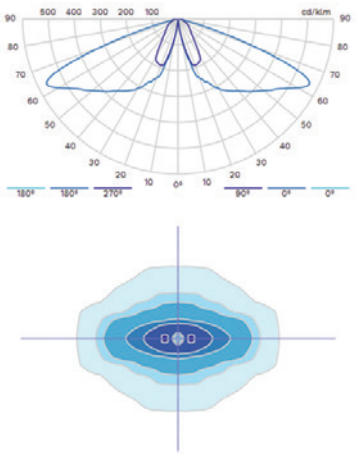

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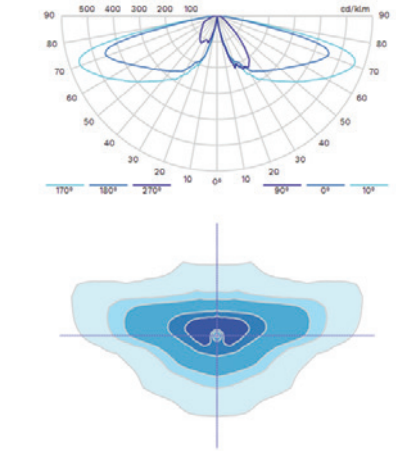

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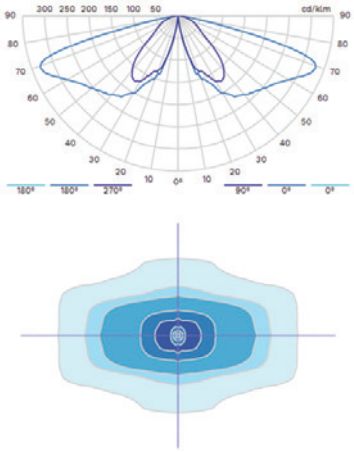

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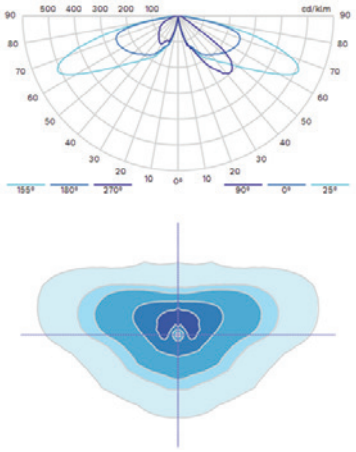

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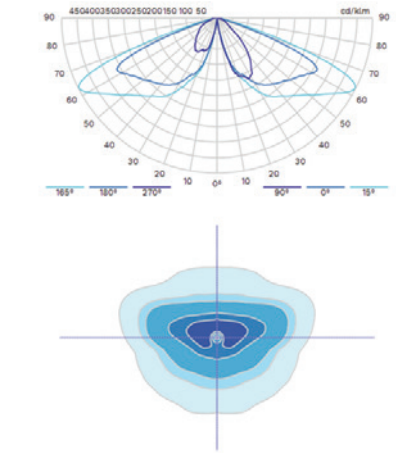

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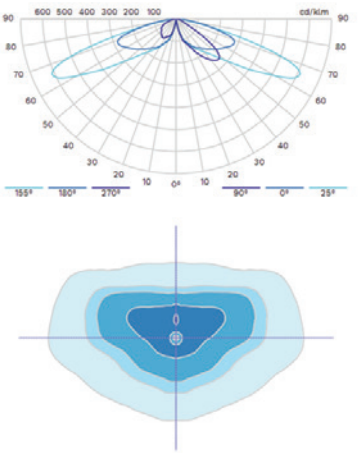

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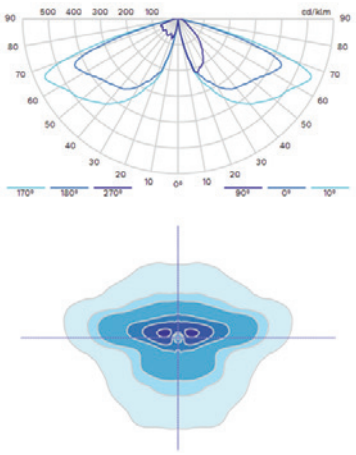

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SHUFFLE 360 LGT GEN2 | LIGHT DISTRIBUTIONS

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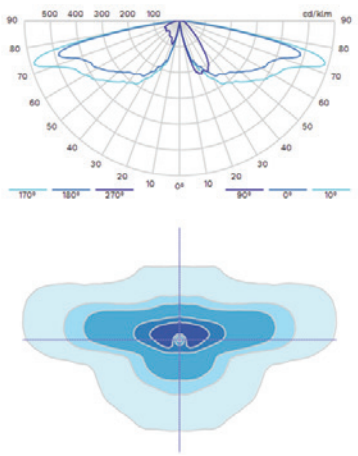

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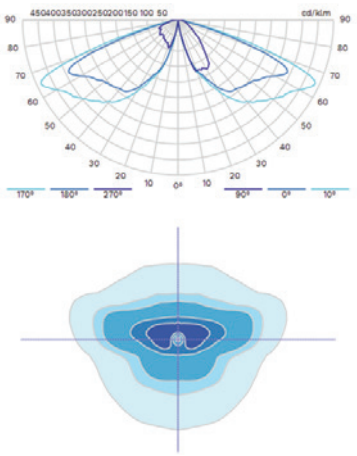

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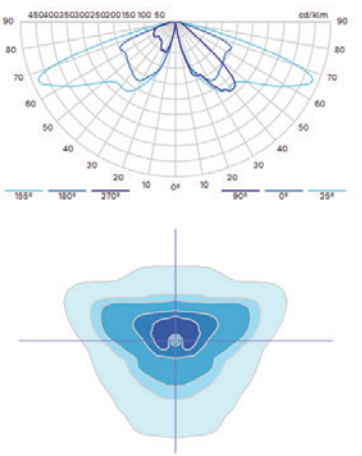

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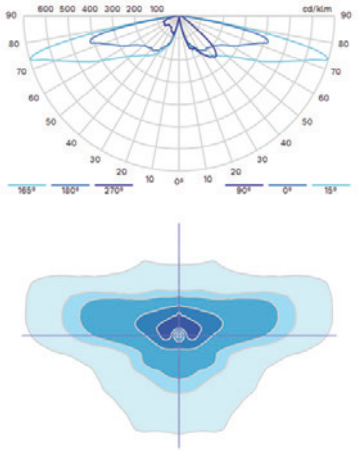

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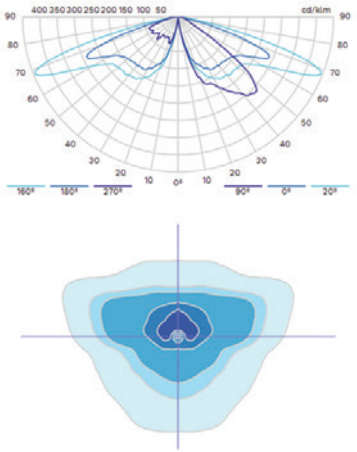

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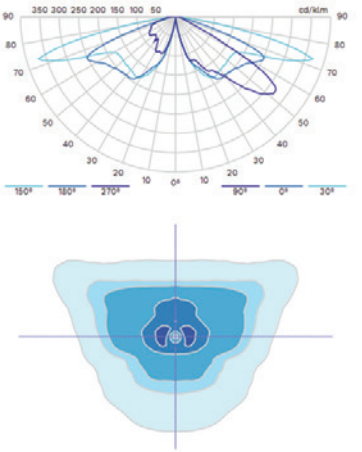

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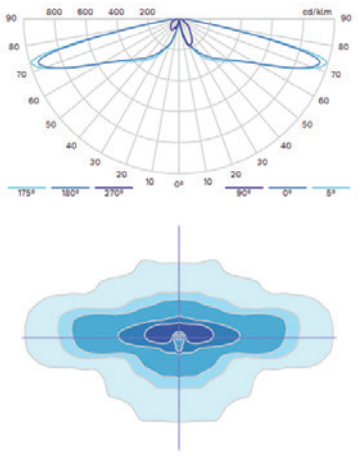

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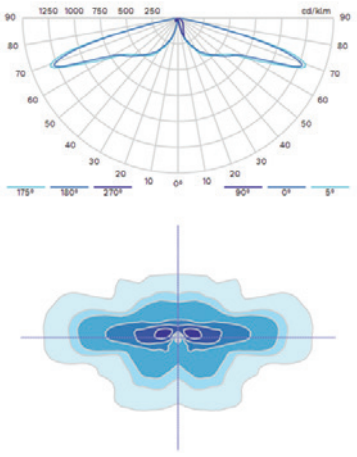

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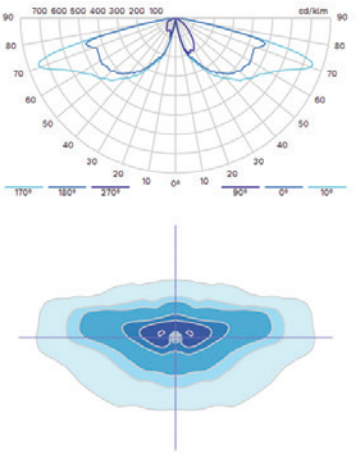

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SHUFFLE 360 LGT GEN2 | LIGHT DISTRIBUTIONS

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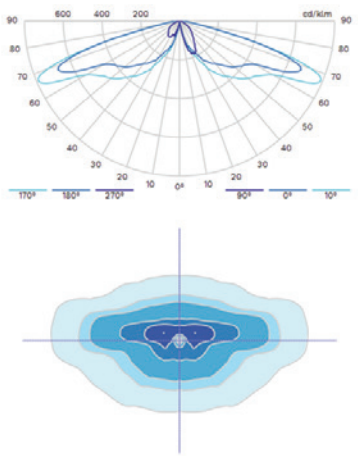

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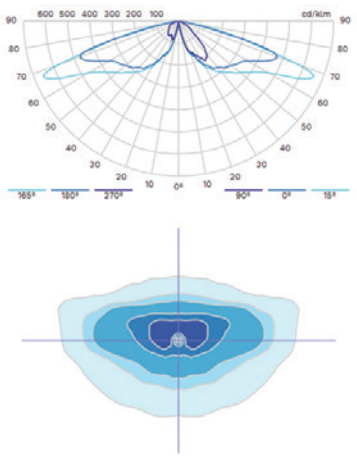

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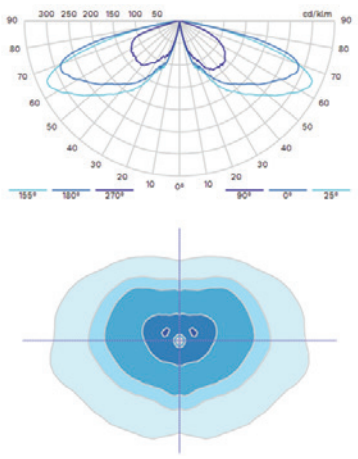

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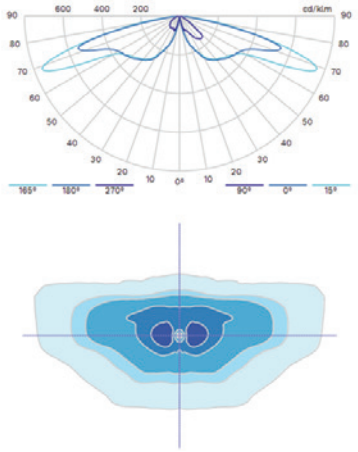

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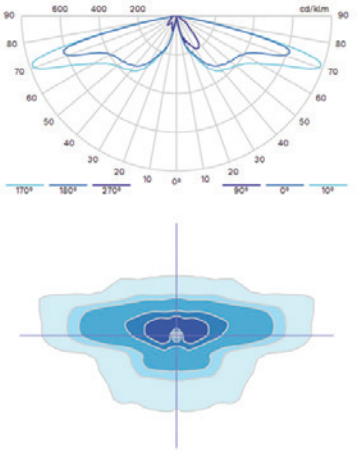

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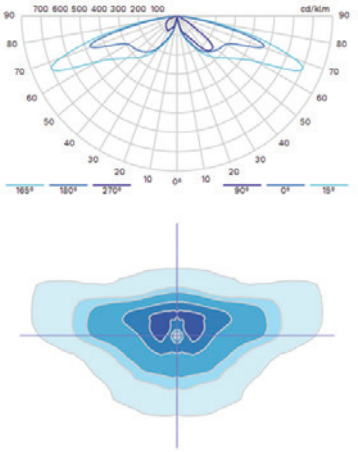

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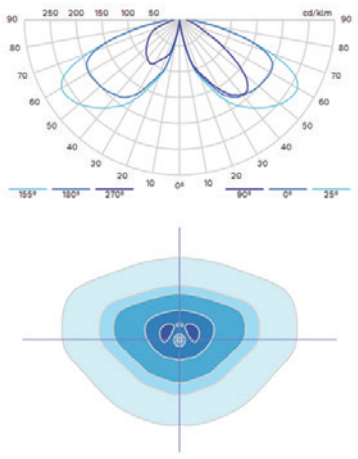

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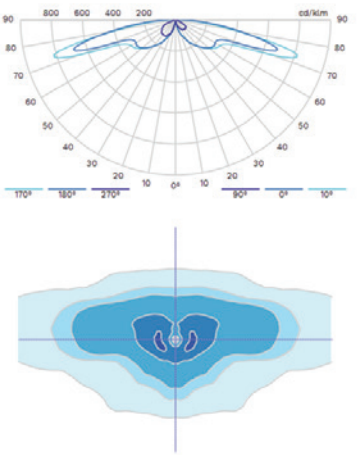

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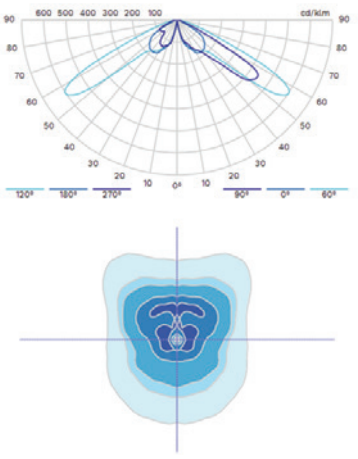

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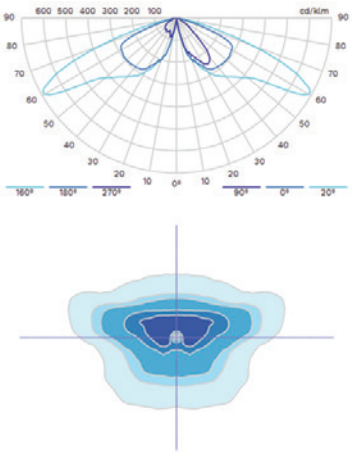
SHUFFLE 360 LGT GEN2 | LIGHT DISTRIBUTIONS

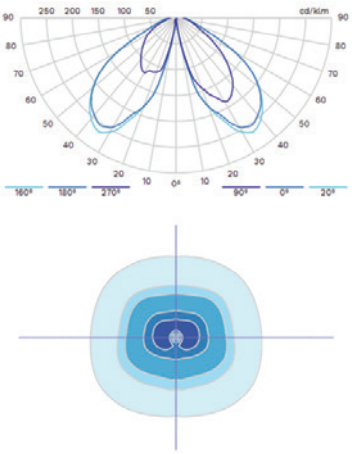
LENSO FLEX°4

5367 GL



LENSO FLEX°4

5388 Sanded Diffuser



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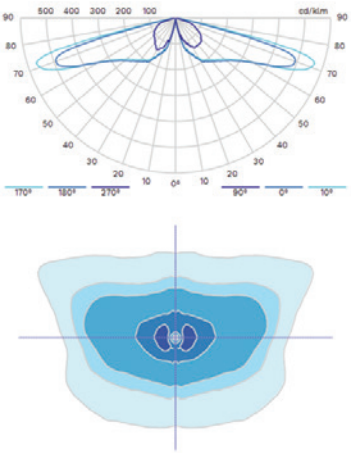

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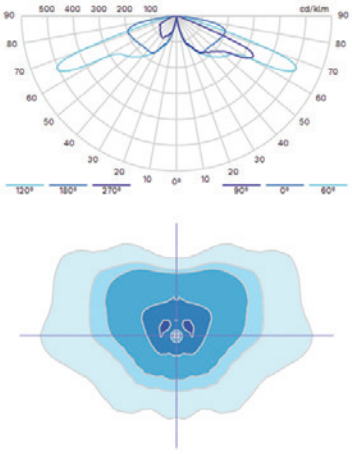

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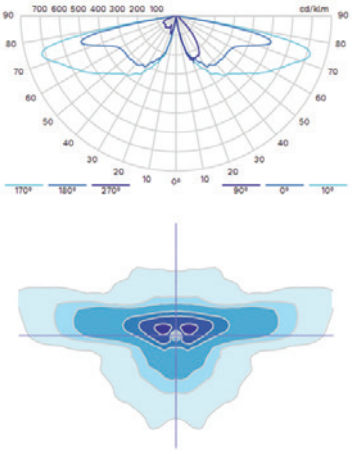

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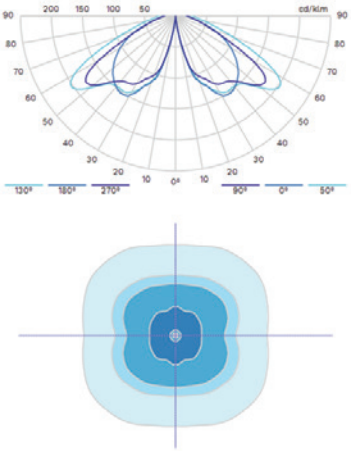

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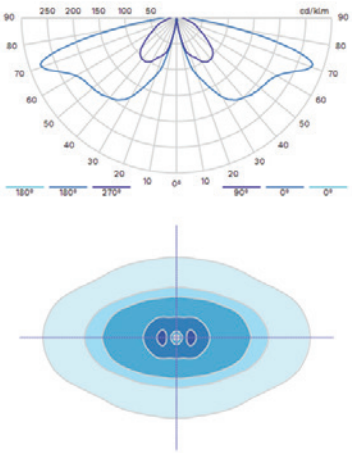

LENSO FLEX°4

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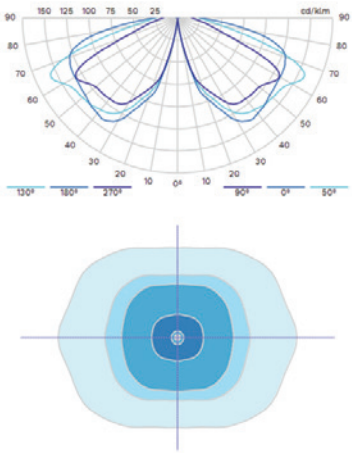

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