WISER TOP
智宏通·光的魔法师

规格书
Specifications

WT-45@16-AVGX-L9

匀光系列
Uniform light series

镜片材料 PC 温度-40°C~+90°C
透光率 400nm~900nm>90%
需要LF，用温和的水和软布清洁镜片。
切勿在镜片上酒精及使用任何商业清洁溶剂。
请戴手套处理或安装镜片，皮肤油脂可能会损坏镜片或其光学特性。

Lens material PC working temperature:-40°C~+90°C
If necessary,Clean lenses with water or wet softcloth.
Never use any commercial cleaning solvents on lenses as alcohol.
When assembly, wearing gloves please,skin oils may damage lens or affect optial characterisstic.

匀光系列 | Uniform light series

WT-35@11-AVG15-L6	15°	φ34.8×12.6
WT-35@11-AVG24-L6	24°	φ34.8×12.6
WT-35@11-AVG24S-COBL6	24°	φ34.8×12.6
WT-35@11-AVG36-L6	36°	φ34.8×12.6
WT-35@11-AVG55-L6	50°	φ34.8×12.6
WT-45@16-AVG15-L9	15°	φ44.8×16
WT-45@16-AVG24-L9	24°	φ44.8×16
WT-45@16-AVG36-L9	36°	φ44.8×16
WT-45@16-AVG45-L9	45°	φ44.8×16
WT-45@16-AVG55-L9	55°	φ44.8×16
WT-45@16-AVG60S-COBL9	60°	φ44.8×16
WT-55@19-AVG24-L9	24°	φ54.8×19.5
WT-55@19-AVG36-L9	36°	φ54.8×19.5
WT-55@19-AVG55-L9	50°	φ54.8×19.5
WT-55@19-AVG60-L11	60°	φ54.8×19.5
WT-55@19-AVG60S-COBL11	60°	φ54.8×19.5
WT-68@25-AVG55-L12	55°	φ67.8×25

技术参数 | Specifications

型号 Code	发光面 light-emitting surface	角度 FWHM	尺寸 Size(L*W*H)mm	标准效率 Typ.eff	材质 Material
WT-45@16-AVG15-L9	¢6mm COB	15°	φ44.8×16	88%	PC
WT-45@16-AVG24-L9	¢9mm COB	24°		88%	PC
WT-45@16-AVG36-L9	¢9mm COB	36°		88%	PC
WT-45@16-AVG45-L9	¢9mm COB	45°		88%	PC
WT-45@16-AVG55-L9	¢9mm COB	55°		88%	PC
WT-45@16-AVG60S-COBL9	¢9mm COB	60°		88%	PC

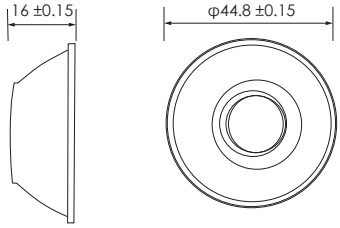
产品配件 | Product accessories

碗杯 (PC)	Lens Holder (PC)	F45-AVG-C16	D 44.5, H 18mm

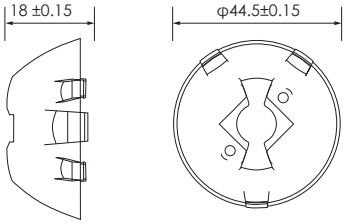
支架 (PC)	COB Holder (PC)	WT-F45C-C135/C16	D 33.8, H 4mm

产品尺寸 | Dimensions(Unit:mm)

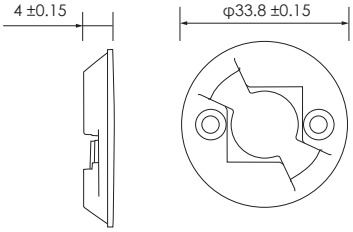
透镜 Lens



碗杯 Lens Holder



支架 COB Holder



Shenzhen Wisertop Technology Co.,Ltd		PART NO.: WT-45@16-AVGX-L9	NAME: LED LENS
TOLERANCE UNLESS OTHERWISE MARKEDDIMENSION: ANGULAR 0~6:±0.05 0.2 6~30:±0.10 30~120:±0.15		MATERIAL: PMMA	SPEC:
		APPROVED / CHECKED / DRAW BY / REV: A01	
A3	UNIT: mm / SCALE: 1:1 / SHEET 1OF1		JOB NO:

线性 \ 等级	F	M	C
0-3	±0.05	±0.1	±0.2
>3-6	±0.05	±0.1	±0.2
>6-16	±0.1	±0.15	±0.3
>16-30	±0.1	±0.2	±0.5
>30-120	±0.15	±0.3	±0.8
>120-315	±0.2	±0.5	±1.2
>315-1000	±0.5	±0.8	±2.0
>1000-2000	±1.0	±1.2	±3.0
角度	±60°		

直线度 | 平面度 | 圆度 | 圆柱度 | 线轮廓度 | 面轮廓度 | 平行度 | 垂直度 | 对称度 | 同轴度

装箱尺寸 | Packing (Unit:mm)

透镜 Lens	
产品尺寸Single Size(L*W*H)	φ44.8×16
包装尺寸Box Size(L*W*H)	170x230x380
外箱尺寸CTN Size(L*W*H)	390x245x395
装箱数量PCS/CTN	960pcs

注：透镜使用吸塑托盘包装

灯杯 Holder	
产品尺寸Single Size(L*W*H)	φ44.5×18
包装尺寸Box Size(L*W*H)	300x200
外箱尺寸CTN Size(L*W*H)	/
装箱数量PCS/CTN	2400pcs

注：灯杯使用袋装

支架 PTape	
产品尺寸Single Size(L*W*H)	φ33.8×4
包装尺寸Box Size(L*W*H)	300x200
外箱尺寸CTN Size(L*W*H)	/
装箱数量PCS/CTN	8400pcs

注：支架使用袋装

配光曲线 | Luminance Diatributian Diagram

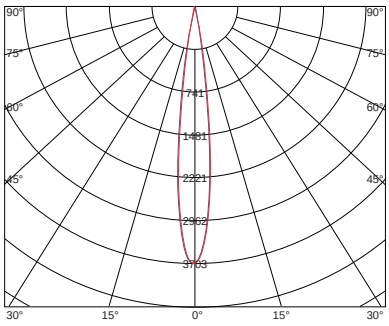
OSRAM

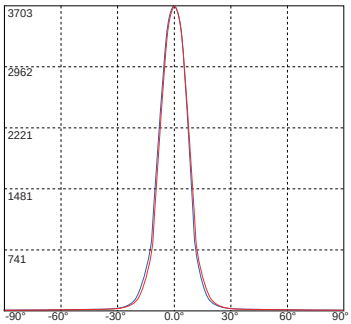
WT-45@16-AVG15-L9

LED	1202
FWHM	15.9°
FWTM	24.6°
Peak intensity	7.8cd /lm
Efficiency	88%
Aluminum substrate size	13.35×13.35

Average Beam Angle (50%):15.9°
Radiation Intensity (Unit: cd)

C0·C180 15.9°
C90·C270 15.9°





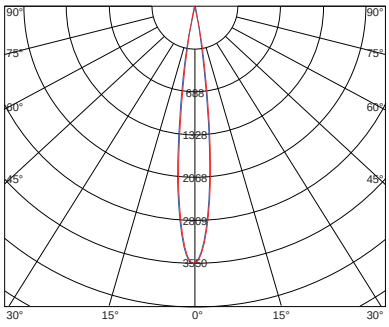
PHILIPS

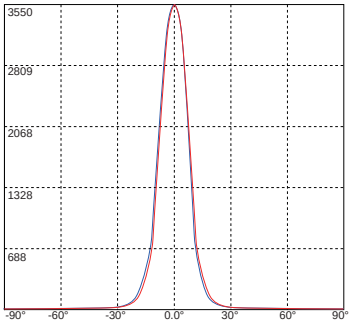
WT-45@16-AVG15-L9

LED	1201/1202
FWHM	15.7°
FWTM	24.4°
Peak intensity	7.65cd /lm
Efficiency	88%
Aluminum substrate size	13.35×13.35

Average Beam Angle (50%):15.7°
Radiation Intensity (Unit: cd)

C0·C180 15.7°
C90·C270 15.7°





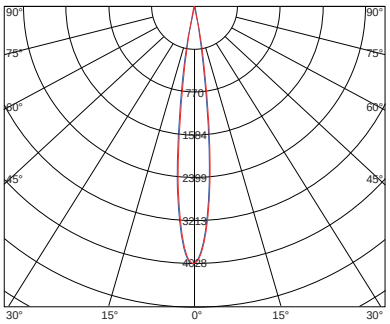
SEOUL

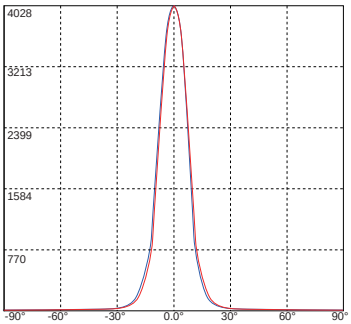
WT-45@16-AVG15-L9

LED	N6A/N6B/P6
FWHM	15.1°
FWTM	23.8°
Peak intensity	7.921cd /lm
Efficiency	88%
Aluminum substrate size	13.35×13.35

Average Beam Angle (50%):15.1°
Radiation Intensity (Unit: cd)

C0·C180 15.1°
C90·C270 15.1°





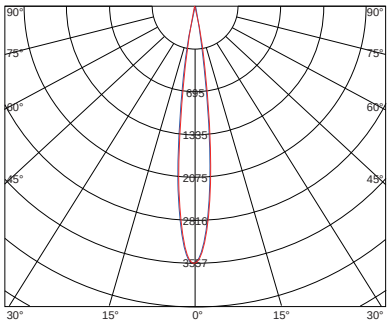
CREE LEDs

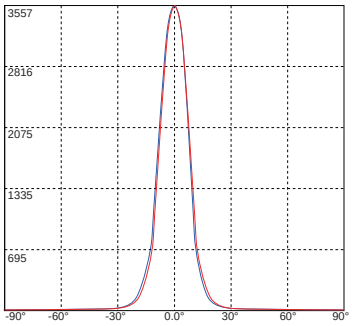
WT-45@16-AVG15-L9

LED	CXA1304
FWHM	14.8°
FWTM	23.5°
Peak intensity	7.68cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):14.8°
Radiation Intensity (Unit: cd)

C0·C180 14.8°
C90·C270 14.8°





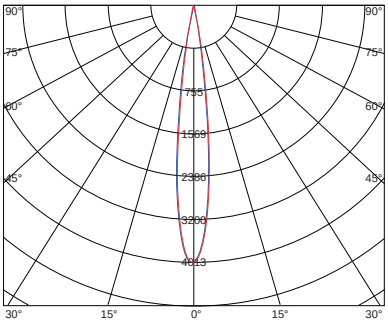
LUMINUS

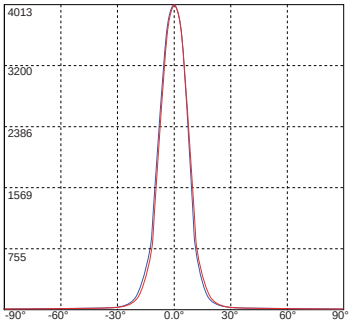
WT-45@16-AVG15-L9

LED	CXM-6
FWHM	15.5°
FWTM	24.2°
Peak intensity	7.89cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):15.5°
Radiation Intensity (Unit: cd)

C0·C180 15.5°
C90·C270 15.5°





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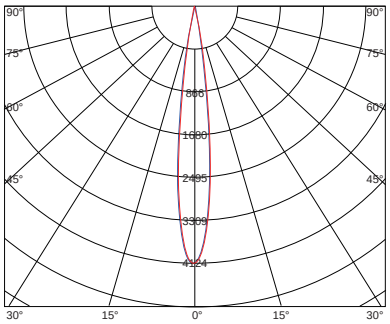
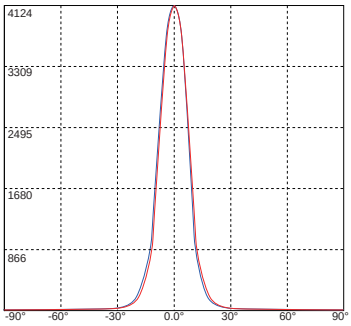
WT-45@16-AVG15-L9

LED	V6HD/C6
FWHM	15.2°
FWTM	23.9°
Peak intensity	7.9cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):15.2°
Radiation Intensity (Unit: cd)

C0·C180 15.2°
C90·C270 15.2°





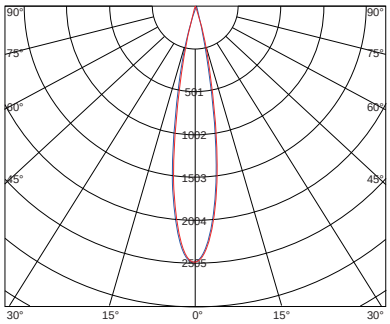
CREE LEDs

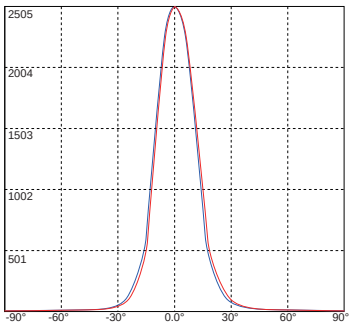
WT-45@16-AVG24-L9

LED	CXA1507
FWHM	23.8°
FWTM	32.5°
Peak intensity	3.61cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):23.8°
Radiation Intensity (Unit: cd)

C0·C180 23.8°
C90·C270 23.8°





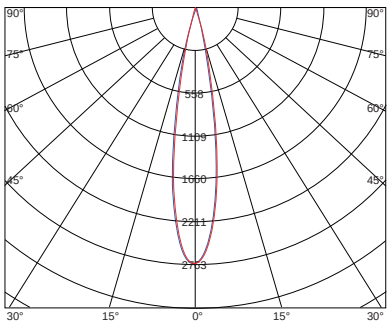
CITIZEN

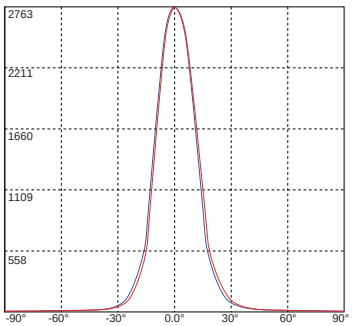
WT-45@16-AVG24-L9

LED	CLU02Q
FWHM	24.2°
FWTM	32.9°
Peak intensity	3.78cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):24.2°
Radiation Intensity (Unit: cd)

C0·C180 24.2°
C90·C270 24.2°





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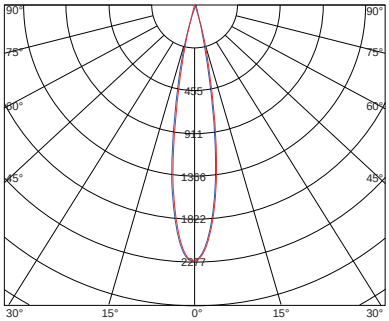
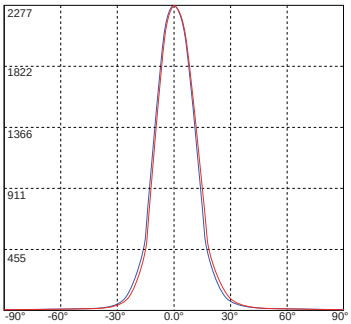
WT-45@16-AVG24-L9

LED	C8
FWHM	24.5°
FWTM	33.2°
Peak intensity	2.92cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):24.5°
Radiation Intensity (Unit: cd)

C0·C180 24.5°
C90·C270 24.5°





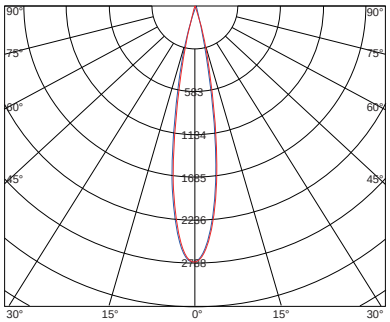
LUMINUS

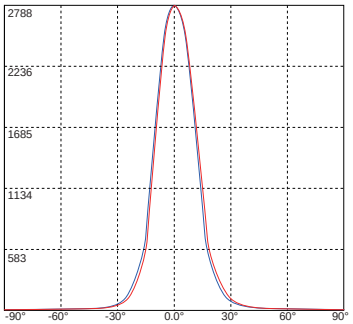
WT-45@16-AVG24-L9

LED	CXM-9
FWHM	23.6°
FWTM	32.3°
Peak intensity	3.89cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):23.6°
Radiation Intensity (Unit: cd)

C0·C180 23.6°
C90·C270 23.6°





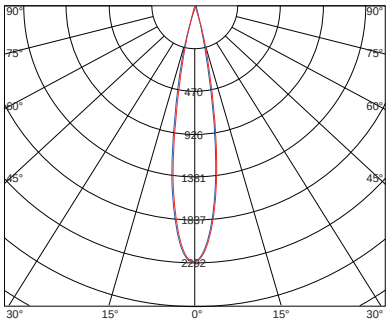
SEOUL

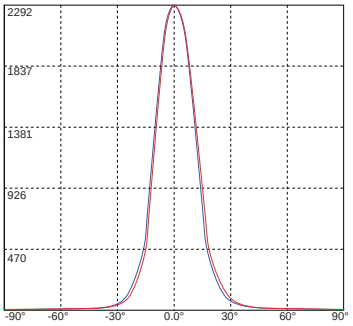
WT-45@16-AVG24-L9

LED	N9A/N9B/P9A/P9B
FWHM	24.8°
FWTM	33.5°
Peak intensity	2.921cd /lm
Efficiency	88%
Aluminum substrate size	13.35×13.35

Average Beam Angle (50%):24.8°
Radiation Intensity (Unit: cd)

C0·C180 24.8°
C90·C270 24.8°





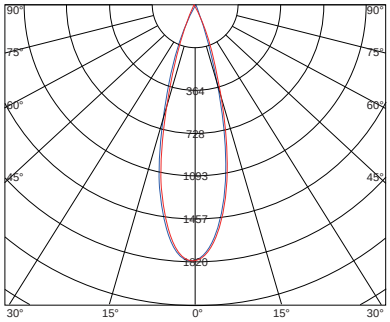
CREE LEDs

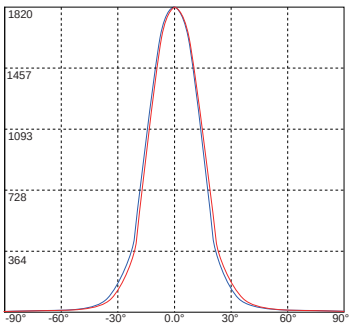
WT-45@16-AVG36-L9

LED	CXA1507
FWHM	35.8°
FWTM	44.5°
Peak intensity	2.61cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):35.8°
Radiation Intensity (Unit: cd)

C0·C180 35.8°
C90·C270 35.8°





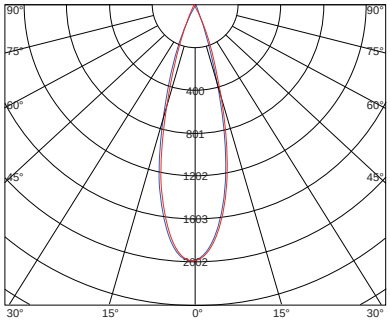
CITIZEN

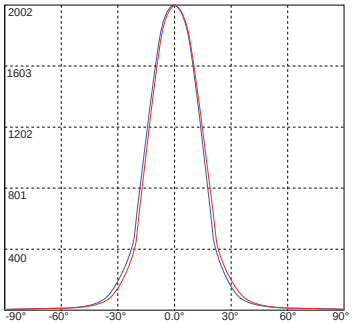
WT-45@16-AVG36-L9

LED	CLU02Q
FWHM	36.5°
FWTM	45.2°
Peak intensity	2.78cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):36.5°
Radiation Intensity (Unit: cd)

C0·C180 36.5°
C90·C270 36.5°





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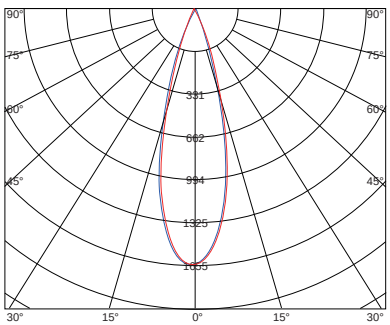
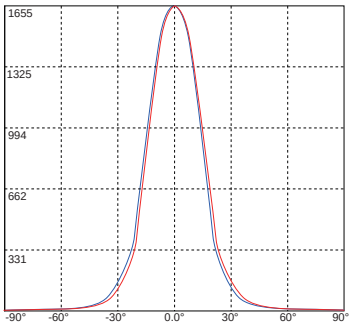
WT-45@16-AVG36-L9

LED	C8
FWHM	36.1°
FWTM	44.8°
Peak intensity	2.52cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):36.1°
Radiation Intensity (Unit: cd)

C0·C180 36.1°
C90·C270 36.1°





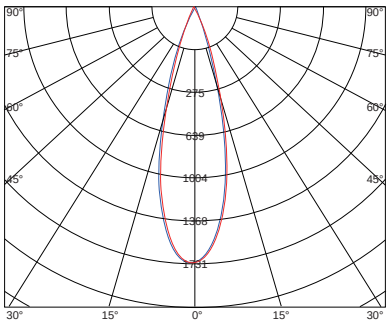
LUMINUS

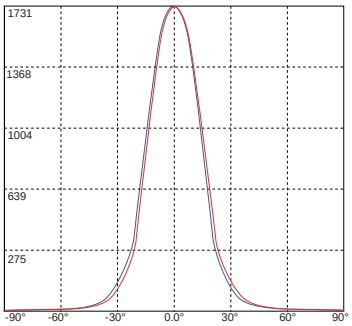
WT-45@16-AVG36-L9

LED	CXM-9
FWHM	35.7°
FWTM	44.4°
Peak intensity	2.58cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):35.7°
Radiation Intensity (Unit: cd)

C0·C180 35.7°
C90·C270 35.7°





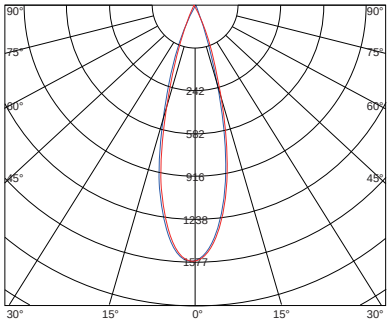
SEOUL

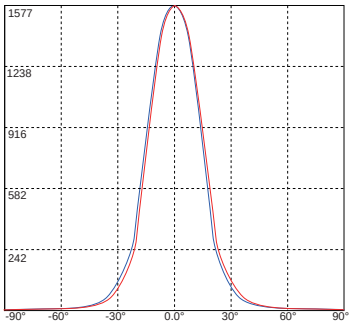
WT-45@16-AVG36-L9

LED	N9A/N9B/P9A/P9B
FWHM	35.8°
FWTM	44.5°
Peak intensity	2.511cd /lm
Efficiency	88%
Aluminum substrate size	13.35×13.35

Average Beam Angle (50%):35.8°
Radiation Intensity (Unit: cd)

C0·C180 35.8°
C90·C270 35.8°





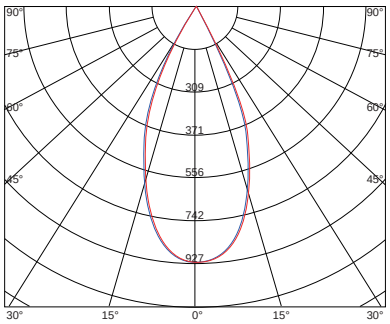
CREE LEDs

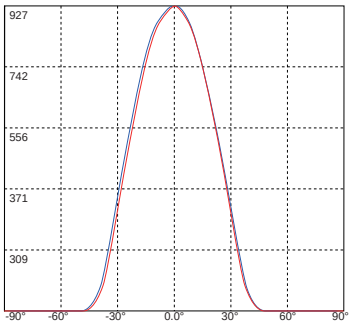
WT-45@16-AVG45-L9

LED	CXA1507
FWHM	45.7°
FWTM	54.4°
Peak intensity	1.901cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):45.7°
Radiation Intensity (Unit: cd)

C0·C180 45.7°
C90·C270 45.7°





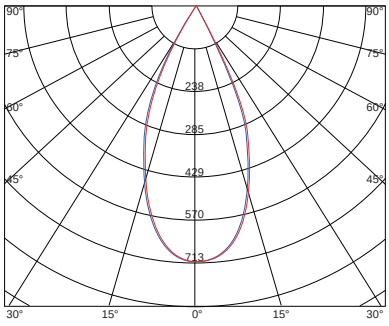
CITIZEN

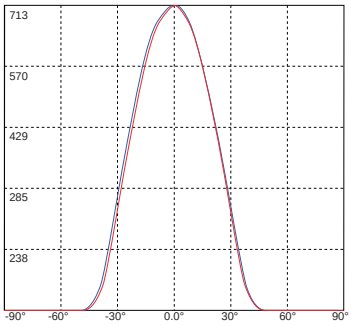
WT-45@16-AVG45-L9

LED	CLU02Q
FWHM	45.8°
FWTM	54.5°
Peak intensity	1.81cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):45.8°
Radiation Intensity (Unit: cd)

C0·C180 45.8°
C90·C270 45.8°





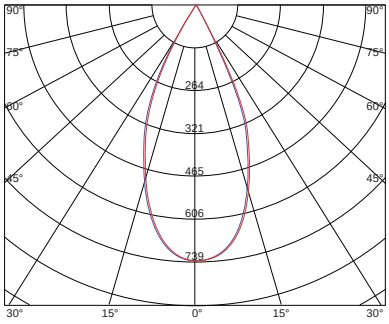
bridgelux

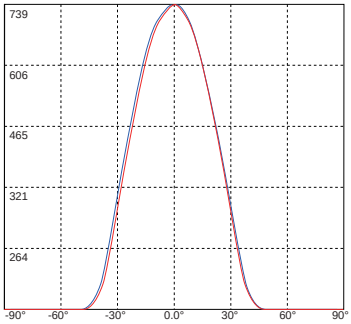
WT-45@16-AVG45-L9

LED	C8
FWHM	45.1°
FWTM	53.8°
Peak intensity	1.86cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):45.1°
Radiation Intensity (Unit: cd)

C0·C180 45.1°
C90·C270 45.1°





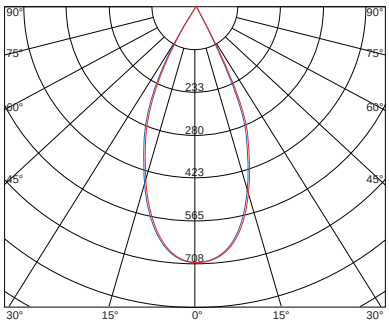
LUMINUS

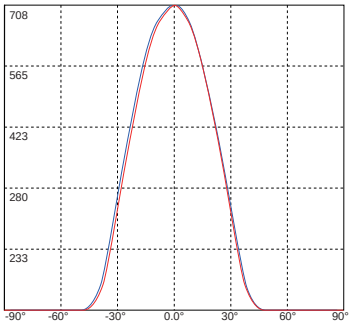
WT-45@16-AVG45-L9

LED	CXM-9
FWHM	44.8°
FWTM	53.5°
Peak intensity	1.83cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):44.8°
Radiation Intensity (Unit: cd)

C0·C180 44.8°
C90·C270 44.8°





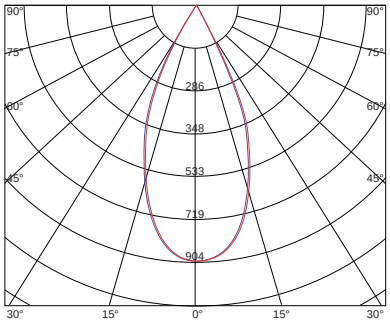
SEOUL

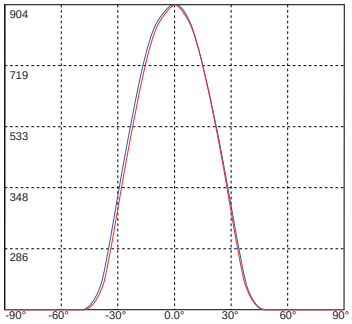
WT-45@16-AVG45-L9

LED	N9A/N9B/P9A/P9B
FWHM	45.9°
FWTM	54.6°
Peak intensity	1.89cd /lm
Efficiency	88%
Aluminum substrate size	13.35×13.35

Average Beam Angle (50%):45.9°
Radiation Intensity (Unit: cd)

C0·C180 45.9°
C90·C270 45.9°





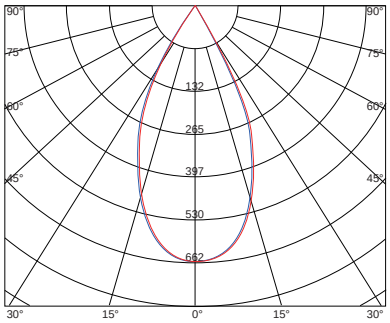
CREE LEDs

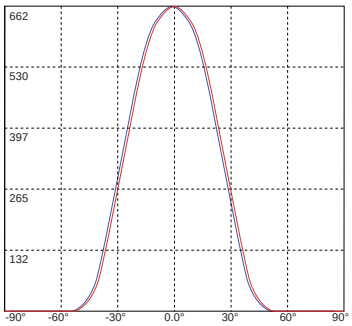
WT-45@16-AVG55-L9

LED	CXA1507
FWHM	55.6°
FWTM	64°
Peak intensity	1.41cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):55.6°
Radiation Intensity (Unit: cd)

C0·C180 55.6°
C90·C270 55.6°





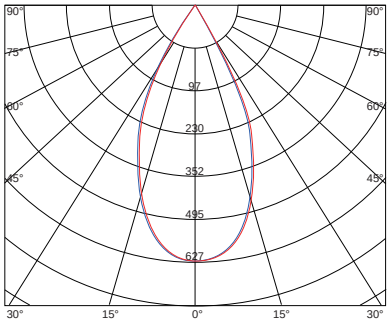
CITIZEN

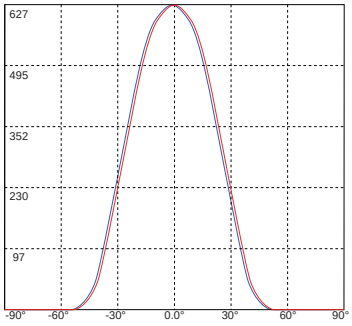
WT-45@16-AVG55-L9

LED	CLU02Q
FWHM	55.8°
FWTM	64.5°
Peak intensity	1.39cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):55.8°
Radiation Intensity (Unit: cd)

C0·C180 55.8°
C90·C270 55.8°





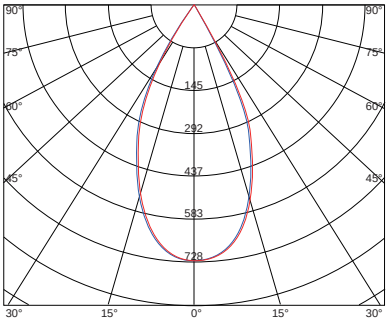
bridgelux®

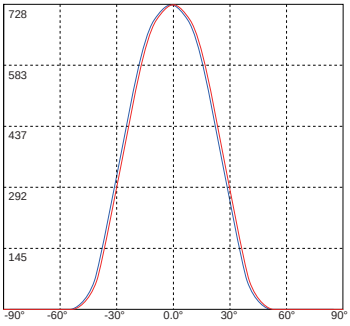
WT-45@16-AVG55-L9

LED	C8
FWHM	55°
FWTM	63.7°
Peak intensity	1.50cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):55°
Radiation Intensity (Unit: cd)

C0·C180 55°
C90·C270 55°





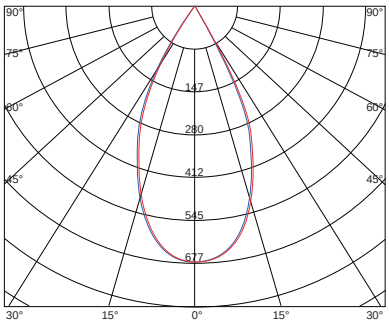
LUMINUS

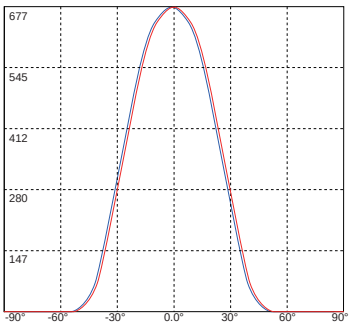
WT-45@16-AVG55-L9

LED	CXM-9
FWHM	55.7°
FWTM	64.4°
Peak intensity	1.48cd /lm
Efficiency	88%
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):55.7°
Radiation Intensity (Unit: cd)

C0·C180 55.7°
C90·C270 55.7°





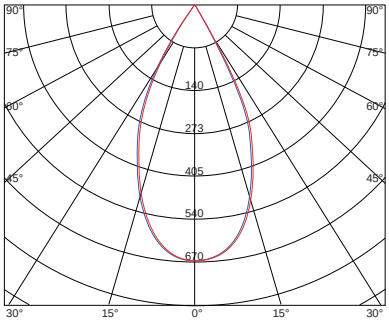
SEOUL

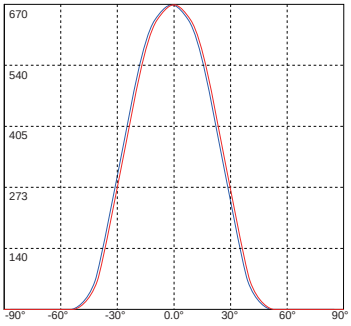
WT-45@16-AVG55-L9

LED	N9A/N9B/P9A/P9B
FWHM	55.9°
FWTM	64.6°
Peak intensity	1.45cd /lm
Efficiency	88%
Aluminum substrate size	13.35×13.35

Average Beam Angle (50%):55.9°
Radiation Intensity (Unit: cd)

C0·C180 55.9°
C90·C270 55.9°





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