

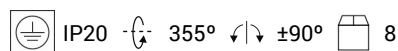
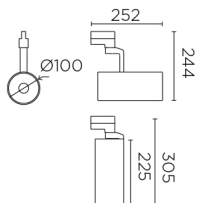


BOND TUBE MEDIUM Spotlight

Description

Spotlight BOND TUBE MEDIUM 17.4W 3000K CRI 90 White 1056lm

	Finish	Material
Structure	White	Aluminium
Diffuser	Transparent	Glass



TECHNICAL CHARACTERISTICS

Light source

Light source: LED CREE
 Light source power (W): 17.4W
 Luminaire total power (W): 19.6W
 Color temperature: LED warm-white 3000K
 CRI: 90
 Photobiological risk: RG1
 Real Lumen: 1056
 Qty Leds: 1
 Lm/Real W: 54
 Life Time: 50.000h L80B20
 Bin / Grup: 30H
 MacAdam steps: 2
 UGR: 11.7

GEAR

Brand: PHILIPS
 Gear included: Yes, electronic
 Voltage / Frequency: 220-240VAC/50-60Hz
 Power Factor: 0.90

Luminaire

Warranty: 2 Years

Logistics

EAN Code: 8435381446901
 Net Weight (Kg): 1.59
 Weight in Kg (packaged): 1.79
 Packing: 105 x 105 x 350
 Masterbox: 8

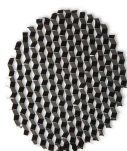
The photograph may not match the reference exactly. Please read the product description to identify the finish.

OPTIONAL ACCESSORIES



71-5633-14-00

Structure material: Aluminium
Dimensions: 96 x 0 x 25
Net Weight (Kg): 0.06



71-5657-60-00

Structure material: Aluminium
Dimensions: 88 x 0 x 2
Net Weight (Kg): 0.01



71-5953-14-00

White trimless recessed installation kit

Structure material:
Dimensions: NA x NA x NA
Net Weight (Kg): 0.19



71-5953-60-00

Black trimless recessed installation kit

Structure material:
Dimensions: NA x NA x NA
Net Weight (Kg): 0.19

Luminaire

Code 35-5398
 Name Projector BON TUBE MEDIUM 15°

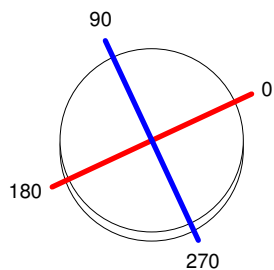
Measurerm.

Code 35-5398
 Name Projector BON TUBE MEDIUM 15°

Luminaire Flux	1056.20 lm	Luminaire Power	17.40 W	Efficacy	60.70 lm/W	Efficiency	100.00%
Lamps Flux	1056.20 lm	Maximum value	6498.36 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam.	100 mm	Height	225 mm		
		Diam.	100 mm	Height	0 mm		
Horizontal Luminous Area	0.007854 m2			Emitting area on Plane 180°	0.000000 m2		
Emitting area on Plane 0°	0.000000 m2			Emitting area on Plane 270°	0.000000 m2		
Emitting area on Plane 90°	0.000000 m2			Glare area at 76°	0.001900 m2		
Coordinate system	CG			Symmetry Type	Double Symmetrical		
Date	10-02-2016			Maximum Gamma Angle	90		
Measurement Distance	0.00			Measurement Flux	1056.20 lm		
Operator	Asselum T2			Source voltage			
Temperature	25.00 °C			Source current			
Humidity	60.00 %			Photocell			
Notes							

Line	Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		Name	Name			
	L3934 17.4W 90 3000K	L3934 17.4W 90 3000K		1056.20	17.40	1
C.I.E.	99 100 100 100 100		D DIN 5040	A60		
F UTE	--		B NBN	BZ 1		

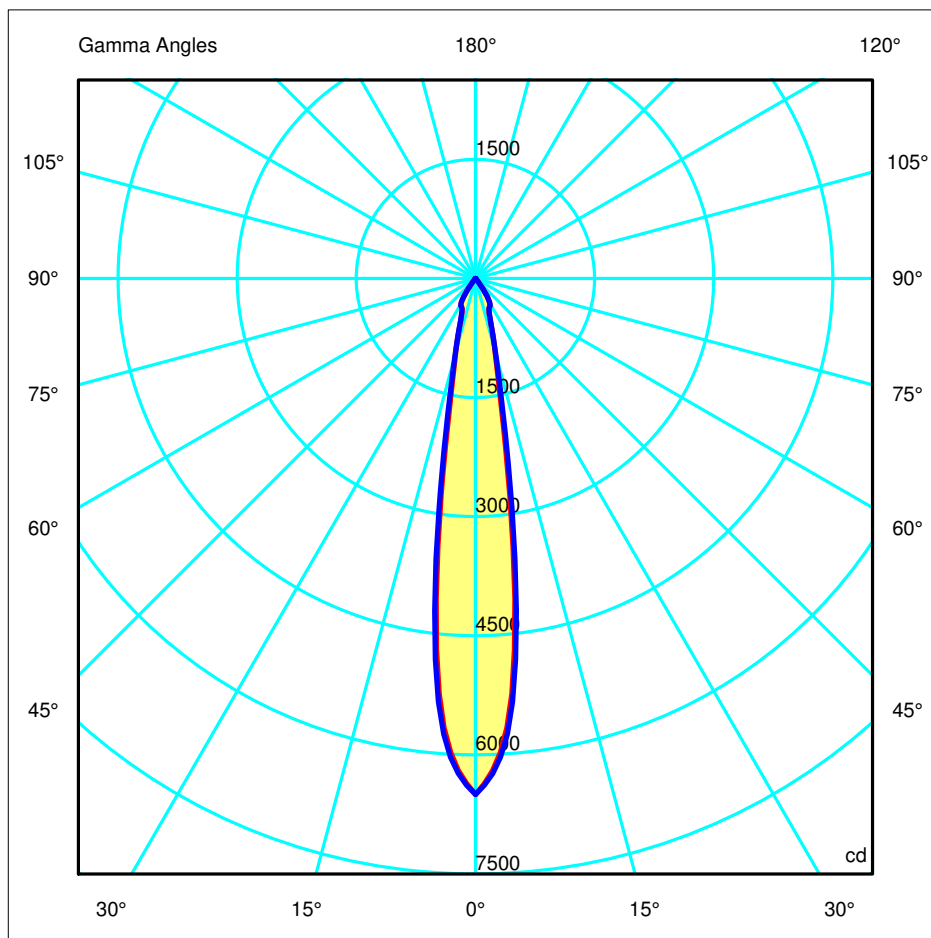
Diam=100mm



C Halfplanes

180.0 — 0.0
 270.0 — 90.0

ULOR 0.00 %
 DLOR 100.00 %
 RN 0.00 %



Luminaire

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Measur.

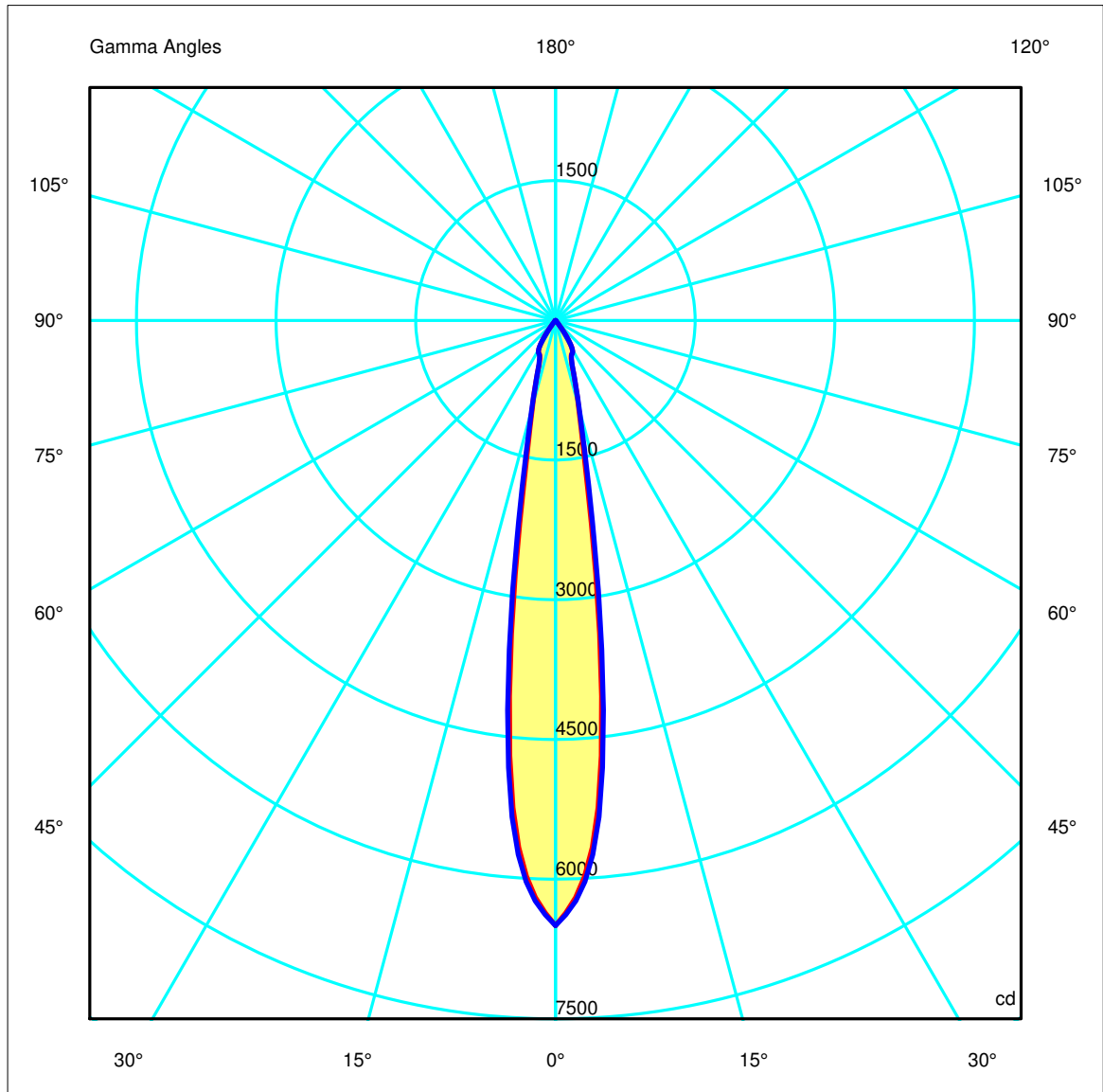
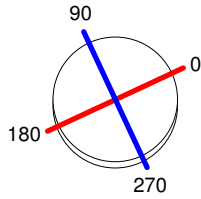
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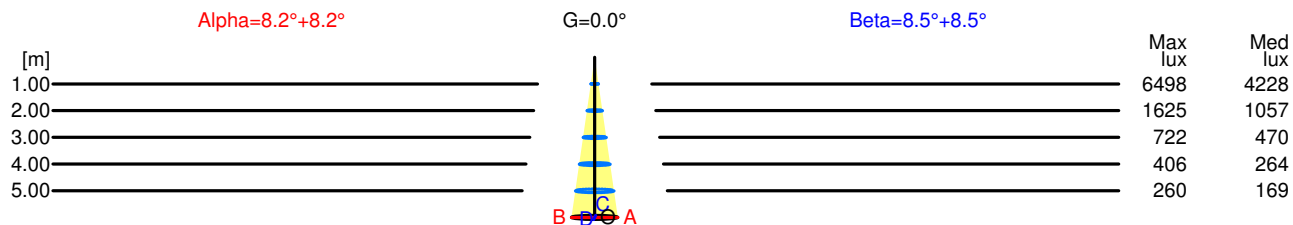
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Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.14	0.29	0.43	0.58	0.72	OC	0.15	0.30	0.45	0.60	0.75
OB	0.14	0.29	0.43	0.58	0.72	OD	0.15	0.30	0.45	0.60	0.75

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	6498.36	5249.85	961.93	405.49	192.99	7.70	3.89	1.11	0.42	0.11
OB	6498.36	5249.85	961.93	405.49	192.99	7.70	3.89	1.11	0.42	0.11
OC	6498.36	5351.11	985.69	408.29	184.62	7.34	3.79	1.36	0.40	0.11
OD	6498.36	5351.11	985.69	408.29	184.62	7.34	3.79	1.36	0.40	0.11



H[m]	D[m]	Max lux	Med lux	Alpha=8.2°+8.2°	G=0.0	
1.00	0.29	6498	4228			
2.00	0.58	1625	1057			
3.00	0.87	722	470			
4.00	1.16	406	264			
5.00	1.45	260	169			

H[m]	D[m]	Max lux	Med lux	Beta=8.5°+8.5°	G=0.0	
1.00	0.30	6498	4228			
2.00	0.60	1625	1057			
3.00	0.90	722	470			
4.00	1.20	406	264			
5.00	1.50	260	169			

Luminaire

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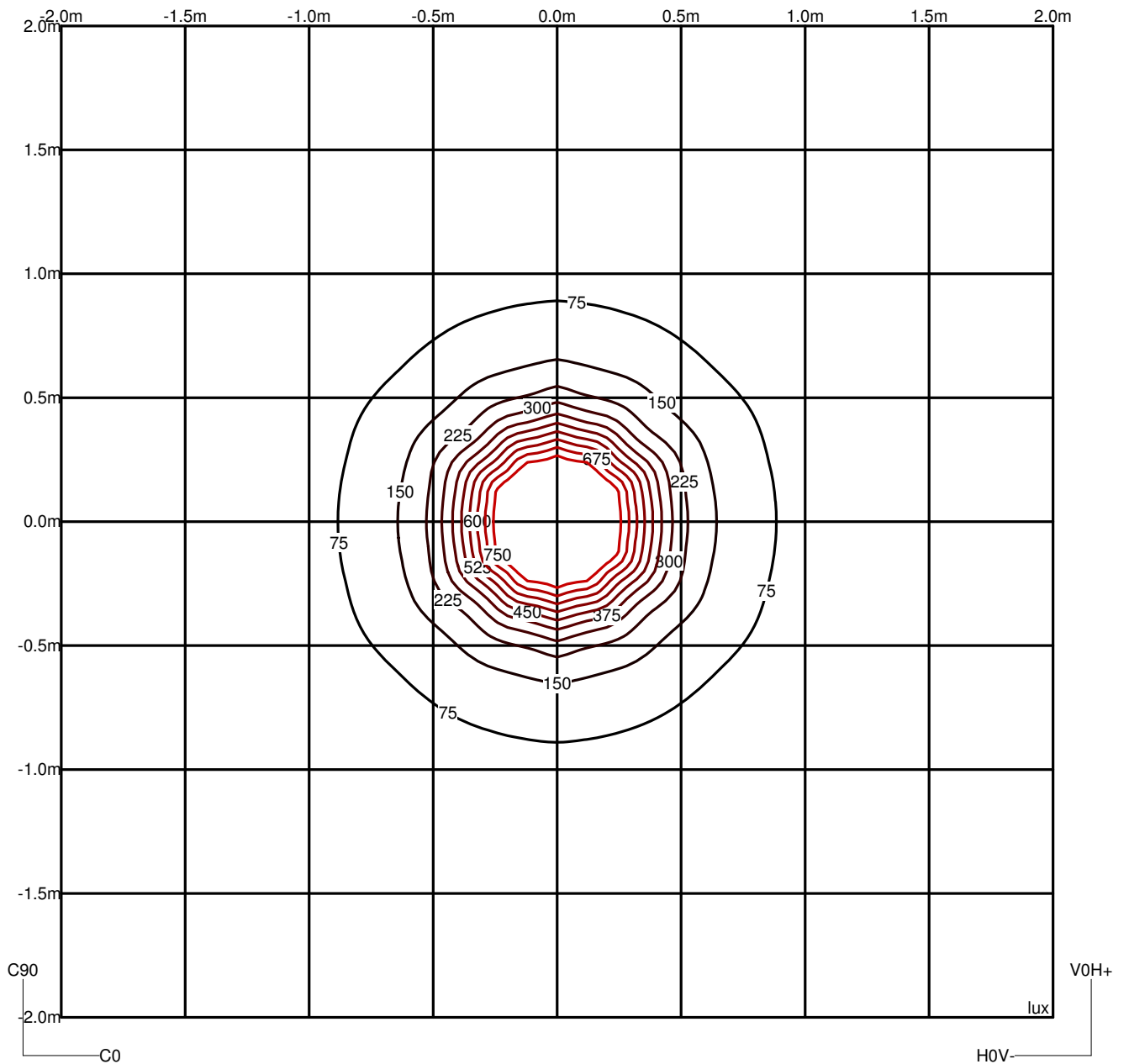
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Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



Luminaire

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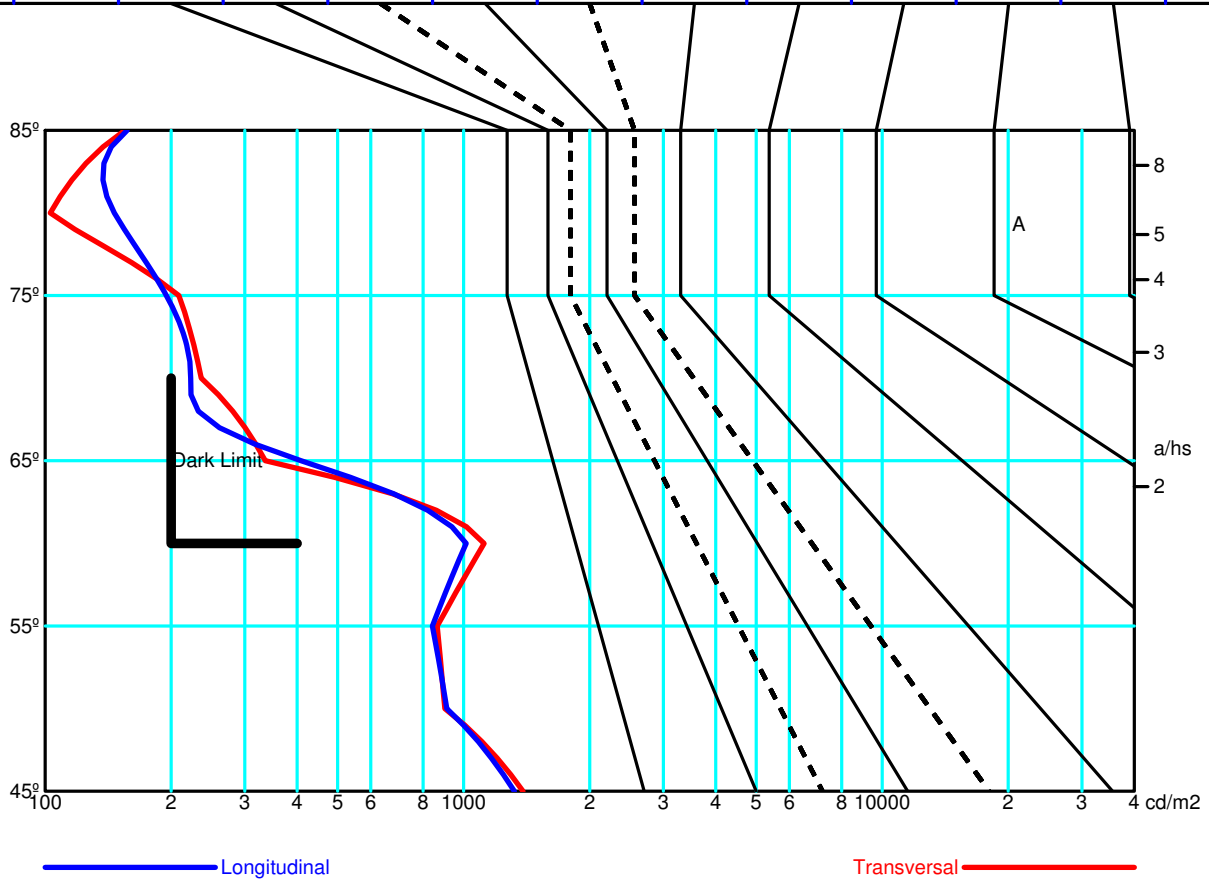
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	Average Luminance [cd/m ²]									
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	1386	901	865	1119	336	236	209	103	155	---
90.0°	1321	911	842	1014	409	223	195	146	157	---

Flush mounted or longitudinal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



Luminaire

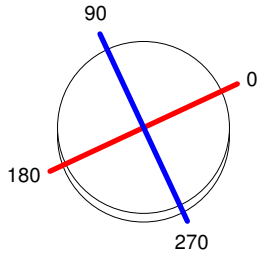
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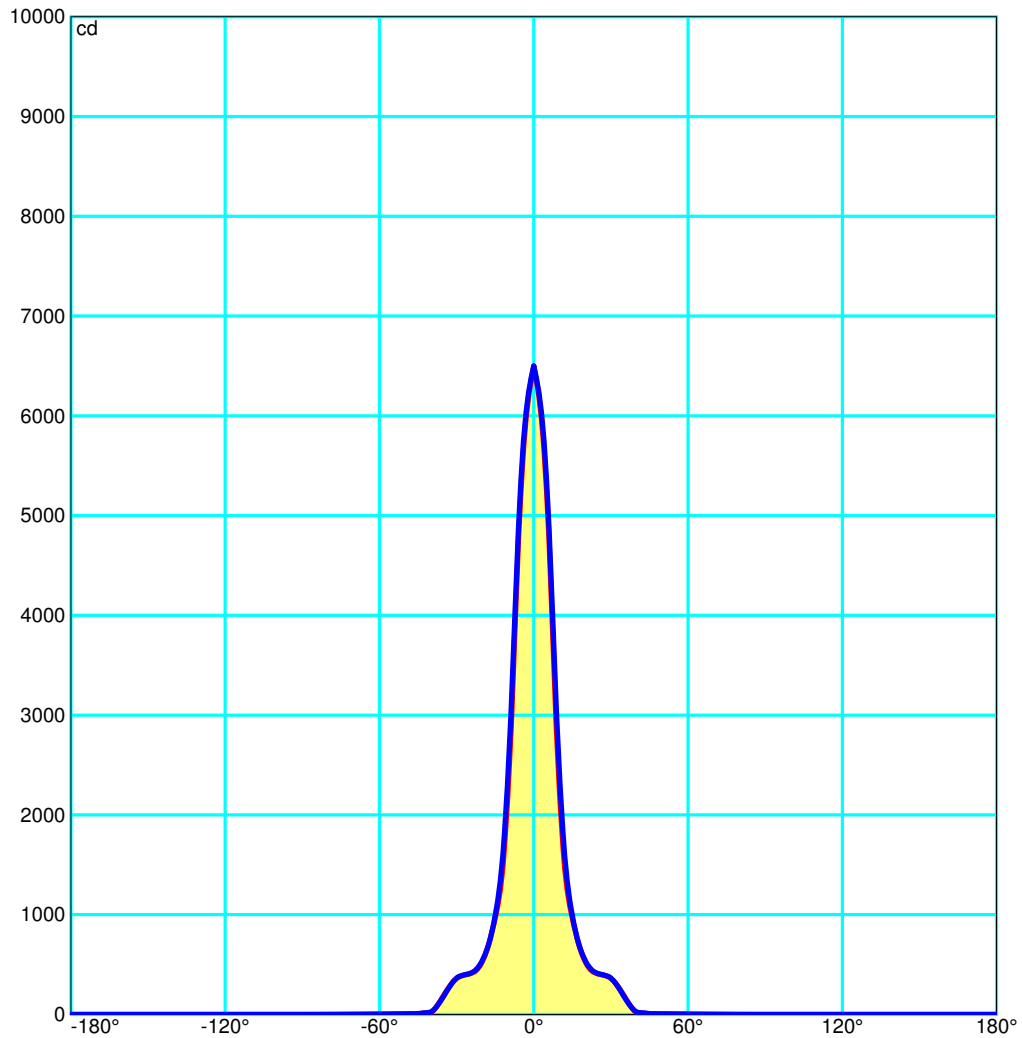
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Diam=100mm



C Halfplanes

180.0 ——— 0.0
 270.0 ——— 90.0



Luminaire

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Measurement

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Lamps Flux	1056.20 lm	Maximum value	6498.36 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	12.5	13.1	12.7	13.3	13.4	12.4	13.1	12.7	13.3	13.4
x=2H y=3H	12.4	12.9	12.7	13.2	13.3	12.3	12.9	12.6	13.1	13.3
x=2H y=4H	12.3	12.8	12.6	13.1	13.3	12.2	12.8	12.5	13.0	13.3
x=2H y=6H	12.2	12.7	12.5	13.0	13.2	12.2	12.7	12.5	12.9	13.2
x=2H y=8H	12.2	12.7	12.5	13.0	13.2	12.1	12.6	12.4	12.9	13.2
x=2H y=12H	12.2	12.6	12.5	12.9	13.1	12.1	12.5	12.4	12.8	13.1
x=4H y=2H	12.3	12.9	12.6	13.1	13.3	12.2	12.8	12.5	13.0	13.3
x=4H y=3H	12.2	12.6	12.5	12.9	13.2	12.1	12.5	12.4	12.8	13.2
x=4H y=4H	12.1	12.5	12.5	12.8	13.1	12.0	12.4	12.4	12.7	13.1
x=4H y=6H	12.0	12.3	12.4	12.7	13.0	11.9	12.3	12.3	12.6	13.0
x=4H y=8H	12.0	12.3	12.4	12.6	13.0	11.9	12.2	12.3	12.6	13.0
x=4H y=12H	12.0	12.2	12.4	12.6	12.9	11.9	12.1	12.3	12.5	12.9
x=8H y=4H	12.0	12.3	12.4	12.6	13.0	11.9	12.2	12.3	12.6	13.0
x=8H y=6H	11.9	12.1	12.4	12.5	12.9	11.8	12.0	12.3	12.5	12.9
x=8H y=8H	11.9	12.0	12.3	12.5	12.8	11.8	11.9	12.2	12.4	12.8
x=8H y=12H	11.8	11.9	12.3	12.4	12.8	11.7	11.9	12.2	12.3	12.8
x=12H y=4H	12.0	12.2	12.4	12.6	12.9	11.9	12.1	12.3	12.5	12.9
x=12H y=6H	11.9	12.0	12.3	12.5	12.8	11.8	11.9	12.2	12.4	12.8
x=12H y=8H	11.8	11.9	12.3	12.4	12.8	11.7	11.9	12.2	12.3	12.8

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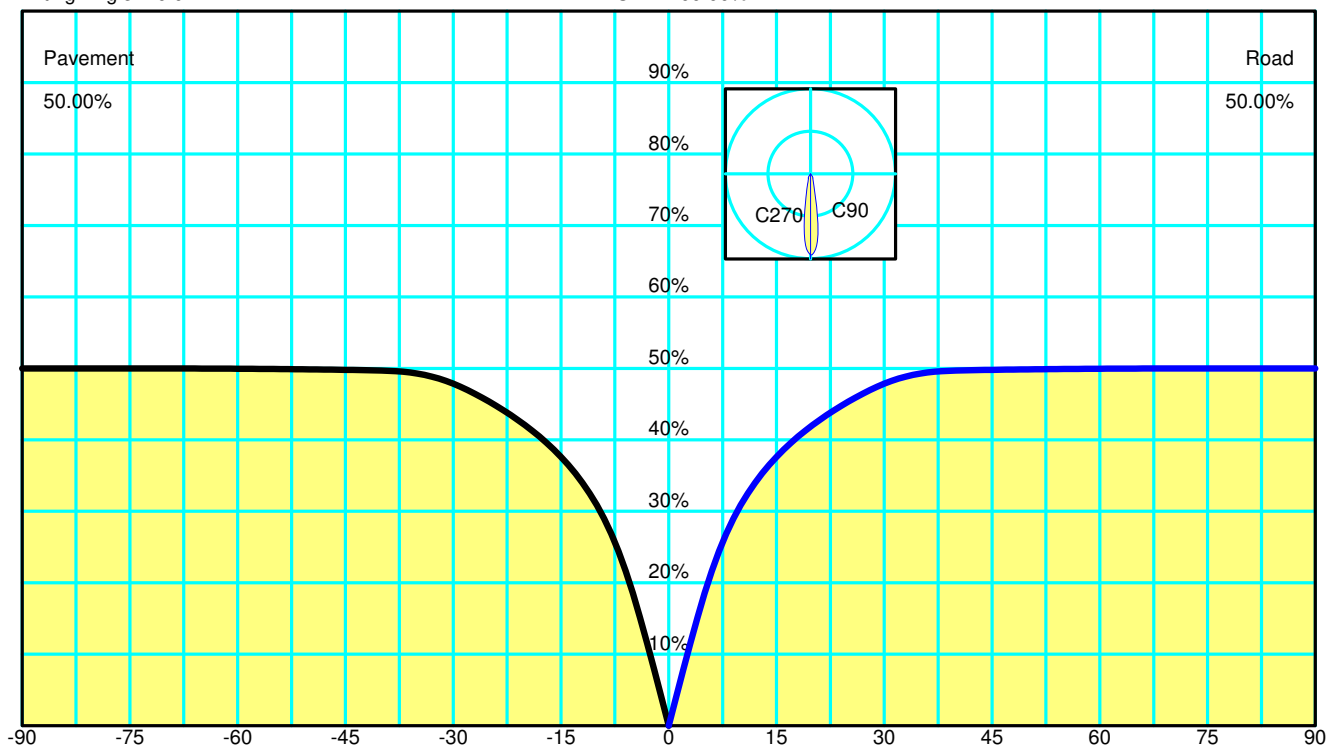
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Lamps Flux	1056.20 lm	Maximum value	6498.36 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	18.54%	Piano	5	18.54%
Piano	-10	30.86%	Piano	10	30.86%
Piano	-15	37.61%	Piano	15	37.61%
Piano	-20	42.05%	Piano	20	42.05%
Piano	-25	45.35%	Piano	25	45.35%
Piano	-30	47.86%	Piano	30	47.86%
Piano	-35	49.28%	Piano	35	49.28%
Piano	-40	49.69%	Piano	40	49.69%
Piano	-45	49.80%	Piano	45	49.80%
Piano	-50	49.86%	Piano	50	49.86%
Piano	-55	49.91%	Piano	55	49.91%
Piano	-60	49.95%	Piano	60	49.95%
Piano	-65	49.98%	Piano	65	49.98%
Piano	-70	49.99%	Piano	70	49.99%
Piano	-75	49.99%	Piano	75	49.99%
Piano	-80	50.00%	Piano	80	50.00%
Piano	-85	50.00%	Piano	85	50.00%
Piano	-90	50.00%	Piano	90	50.00%

Tilting Angle = 0.0

DLOR = 100.00%



Spread	3.6° Narrow	DLOR	99.99990 %
Throw	1.8° Short	ULOR	0.00000 %
SLI (glare)	13.3 Tight	Efficiency	99.99990 %
CIE Cutoff	Cutoff - Max: C=0.0° Gamma=0.0°	RN	0.00000 %
Iesna Cutoff	Cutoff	Luminous Intensity Class	G5
DIN5044	KB1	Glare Index	D6

IESNA Type I Very Short Asymmetrical

Luminaire

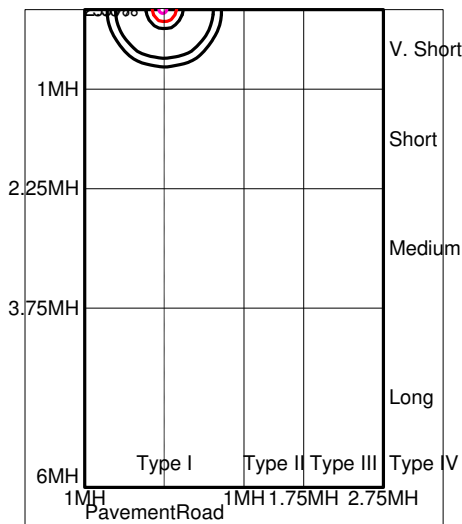
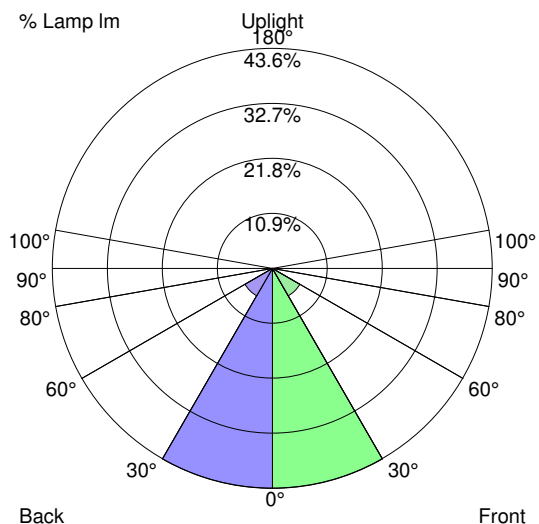
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US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	610.1 lm	43.6 %	43.6 %
FM	30° -- 60°	87.8 lm	6.3 %	6.3 %
FH	60° -- 80°	1.5 lm	0.1 %	0.1 %
FVH	80° -- 90°	0.1 lm	0.0 %	0.0 %
BL	0° -- 30°	610.1 lm	43.6 %	43.6 %
BM	30° -- 60°	87.8 lm	6.3 %	6.3 %
BH	60° -- 80°	1.5 lm	0.1 %	0.1 %
BVH	80° -- 90°	0.1 lm	0.0 %	0.0 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		1399.1 lm	100.0 %	100.0 %
		BUG B2 U0 G0	Type I Very Short	Asymmetrical

