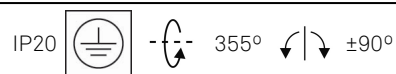


BOND TUBE MEDIUM 35-5418-60-OS

Spotlight BOND TUBE MEDIUM 25.9W 3000K CRI 90 Black 1461lm



TECHNICAL FEATURES



Power (W) : 25.9W

Total power consumption of light (W) : 26.7W

Real lumens : 1461

Real lm/W : 55

Correlated Colour Temperature (CCT) : LED warm-white 3000K

Structure material : Aluminium

Structure finish : Black

Diffuser material : Glass

Diffuser finish : Transparent

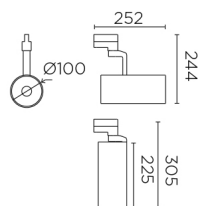
Brand : TRIDONIC

Voltage / frequency : 220-240VAC/50-60Hz

Power Factor : 0.95

Useful life : 50.000h L80B20

Warranty : 2 Years



LUMINOTECHNIC FEATURES

Light source: LED CREE

CRI: 90

MacAdam steps: 2

Photobiological risk: RG1

VENTILATION FEATURES

Power used: 26.7W

Service value measurement standard: EN 60879:2019

LOGISTICS

Net weight (kg): 1.67

Packaged weight (kg): 1.85

Packaging: 105mm x 105mm x 350mm



Luminaire

Code 35-5418
 Name Proyector BOND TUBE MEDIUM 55° 25.9W

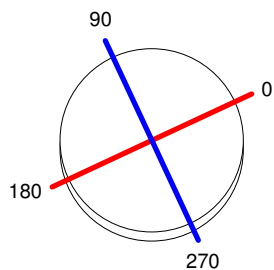
Measurment.

Code 35-5418
 Name Proyector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1460.95 lm	Luminaire Power	25.90 W	Efficacy	56.41 lm/W	Efficiency	100.00%
Lamps Flux	1460.95 lm	Maximum value	1869.08 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	1460.95 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				
	L3936 25.9W 90 3000K	Name	L3936 25.9W 90 3000K - 25.90 W	1460.95	25.90	1
C.I.E.	97 100 100 100 100		D DIN 5040	A60		
F UTE	--		B NBN	BZ 1		

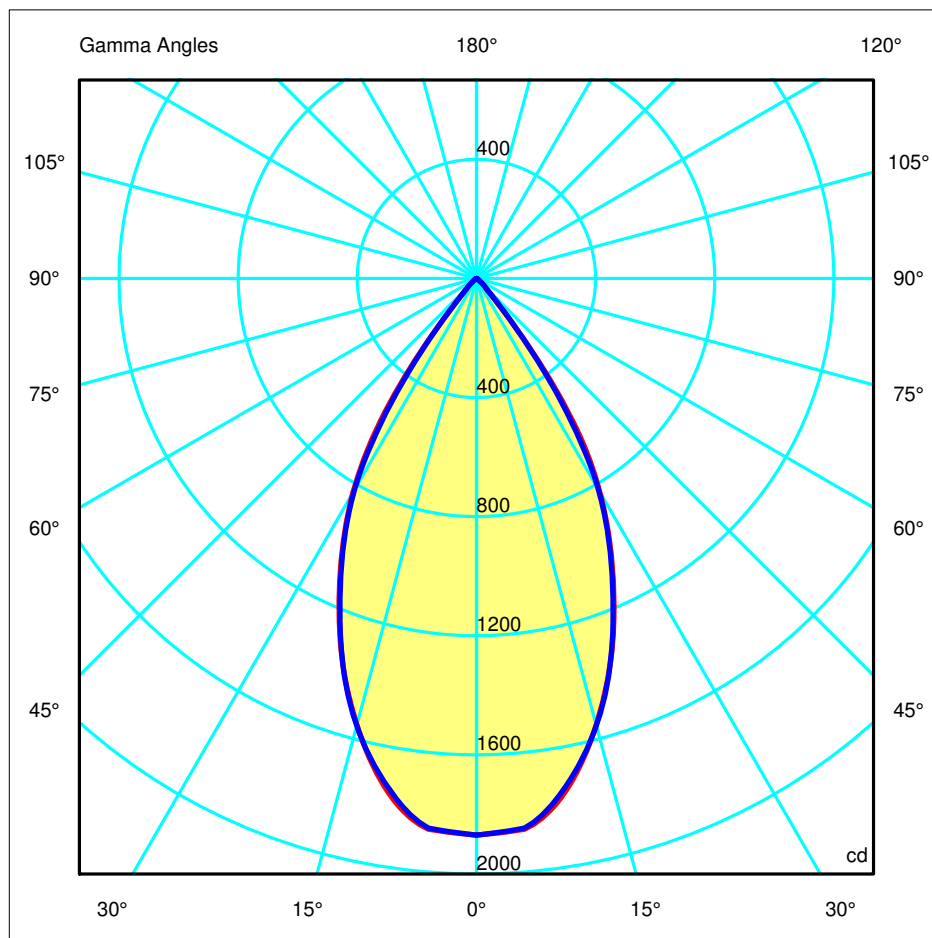
Diam=100mm



C Halfplanes

180.0 — 0.0
 270.0 — 90.0

ULOR 0.00 %
 DLOR 100.00 %
 RN 0.00 %



Luminaire

Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Measur.

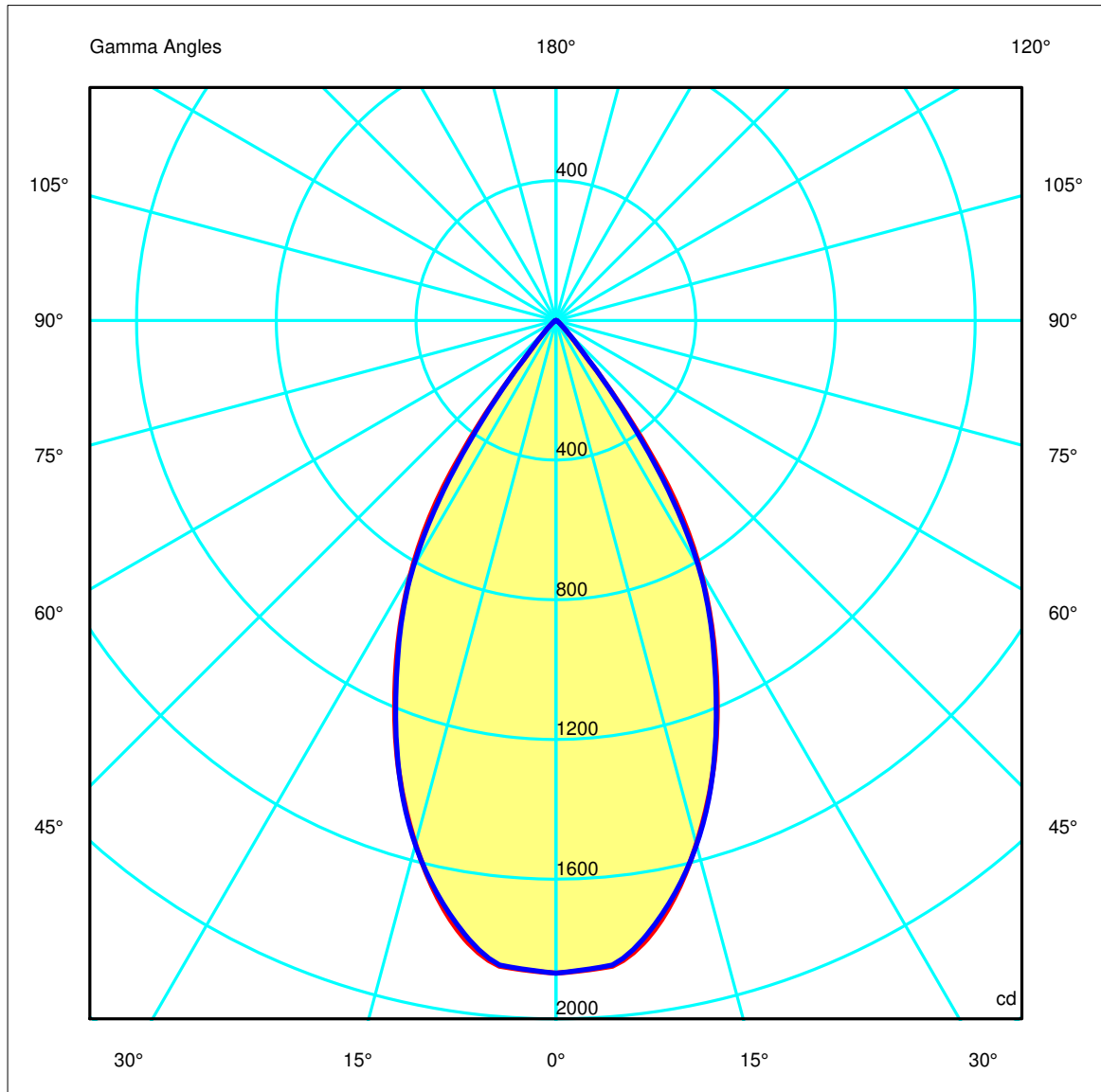
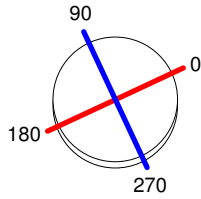
Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

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Lamps Flux	1460.95 lm	Maximum value	1869.08 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=100mm

C Halfplanes

180.0 ——— 0.0
 270.0 ——— 90.0



Luminaire

 Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Measurement

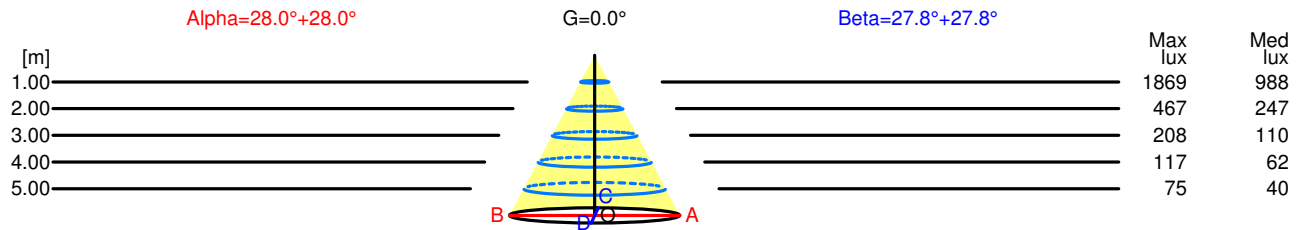
 Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1460.95 lm	Luminaire Power	25.90 W	Efficacy	56.41 lm/W	Efficiency	100.00%
Lamps Flux	1460.95 lm	Maximum value	1869.08 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.53	1.06	1.59	2.13	2.66	OC	0.53	1.06	1.58	2.11	2.64
OB	0.53	1.06	1.59	2.13	2.66	OD	0.53	1.06	1.58	2.11	2.64

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	1869.08	1856.35	1551.81	1080.54	499.38	42.99	10.49	3.76	0.86	0.18
OB	1869.08	1856.35	1551.81	1080.54	499.38	42.99	10.49	3.76	0.86	0.18
OC	1869.08	1852.76	1555.00	1072.64	466.46	45.93	10.95	3.79	0.87	0.17
OD	1869.08	1852.76	1555.00	1072.64	466.46	45.93	10.95	3.79	0.87	0.17



H[m]	D[m]	Max lux	Med lux	Alpha=28.0°+28.0°	G=0.0
1.00	1.06	1869	988		
2.00	2.13	467	247		
3.00	3.19	208	110		
4.00	4.25	117	62		
5.00	5.31	75	40		

H[m]	D[m]	Max lux	Med lux	Beta=27.8°+27.8°	G=0.0
1.00	1.06	1869	988		
2.00	2.11	467	247		
3.00	3.17	208	110		
4.00	4.23	117	62		
5.00	5.28	75	40		

Luminaire

Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

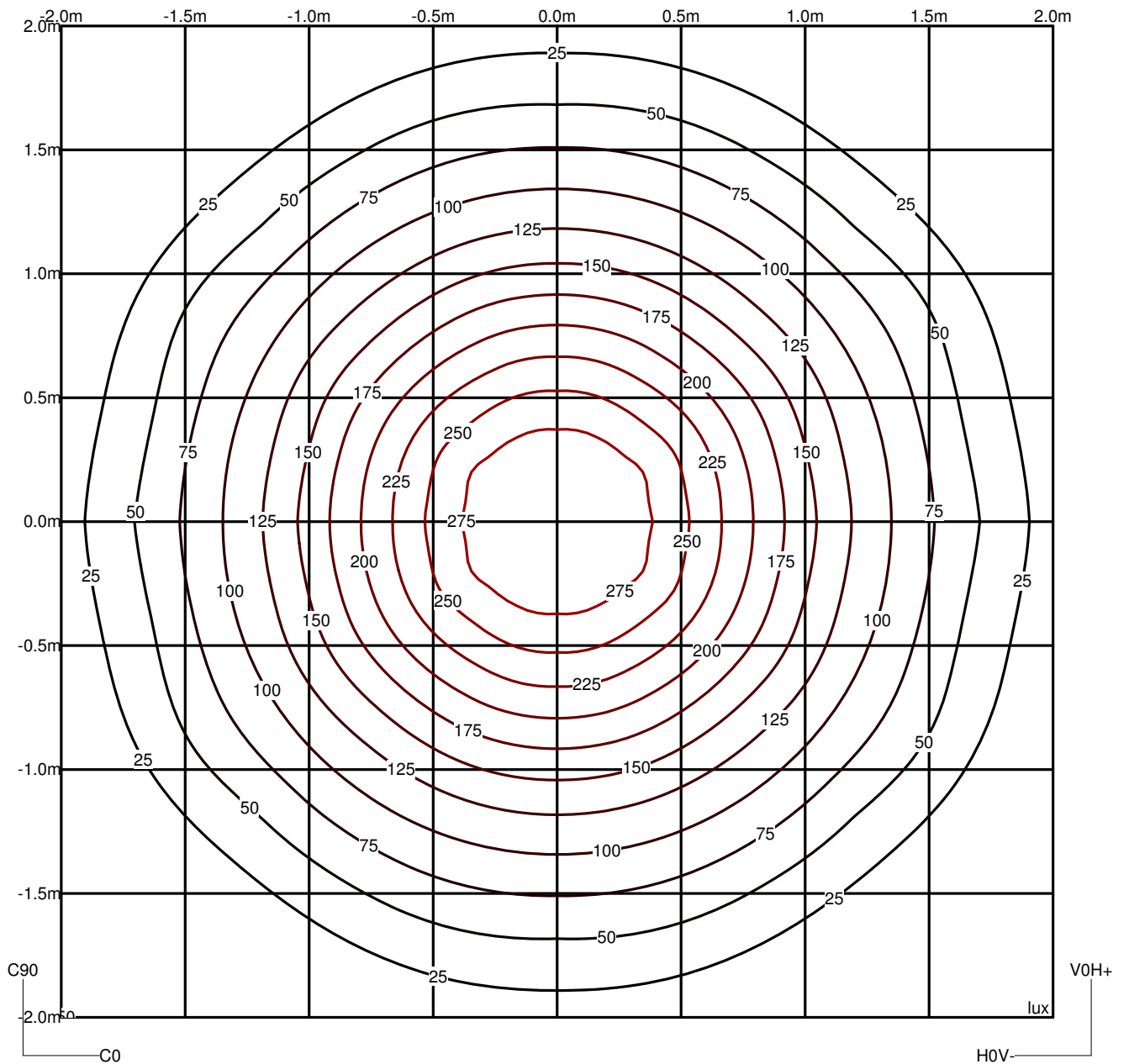
Measurment

Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1460.95 lm	Luminaire Power	25.90 W	Efficacy	56.41 lm/W	Efficiency	100.00%
Lamps Flux	1460.95 lm	Maximum value	1869.08 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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



Luminaire

Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

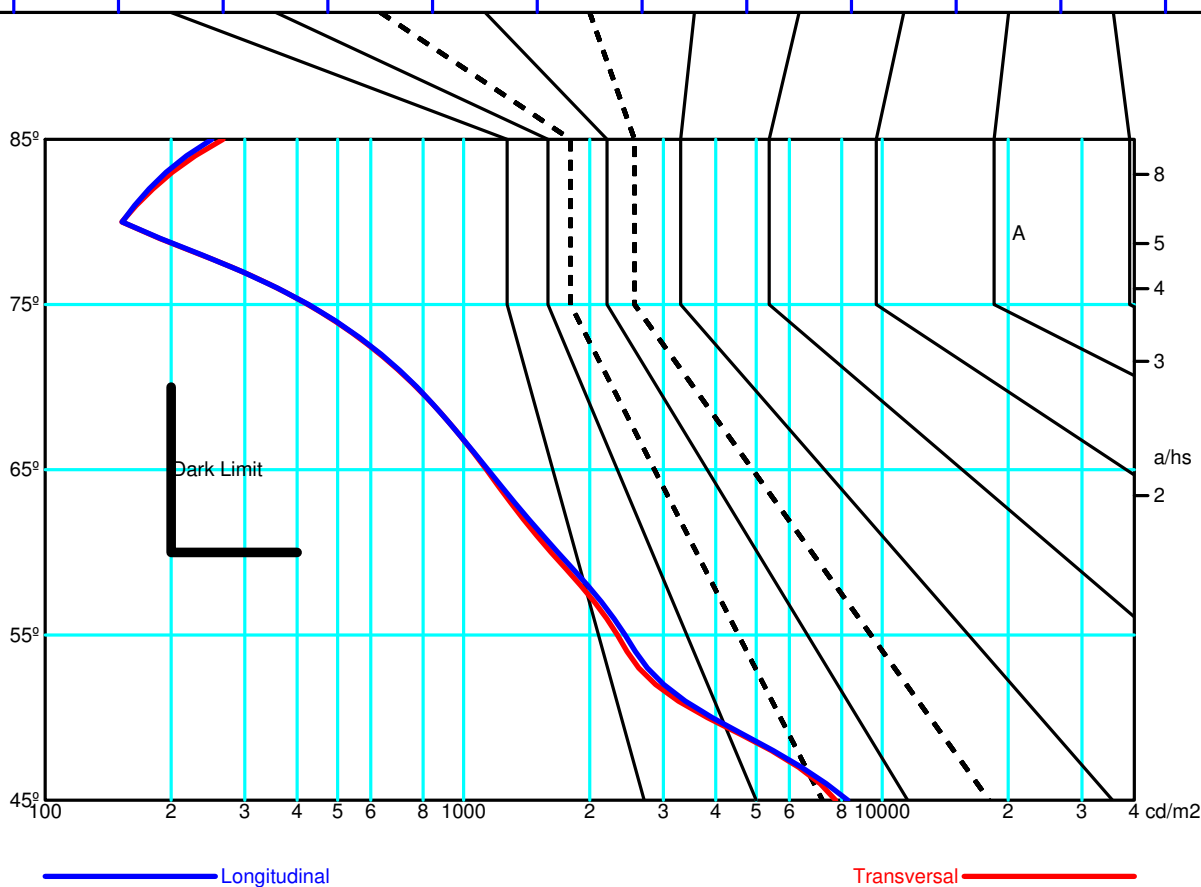
Measurment

Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1460.95 lm	Luminaire Power	25.90 W	Efficacy	56.41 lm/W	Efficiency	100.00%
Lamps Flux	1460.95 lm	Maximum value	1869.08 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

	Average Luminance [cd/m ²]									
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	7741	3821	2330	1618	1134	770	425	153	266	---
90.0°	8270	3924	2431	1679	1143	774	426	153	250	---

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

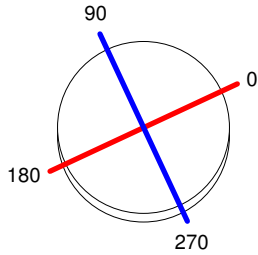
Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Measur.

Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

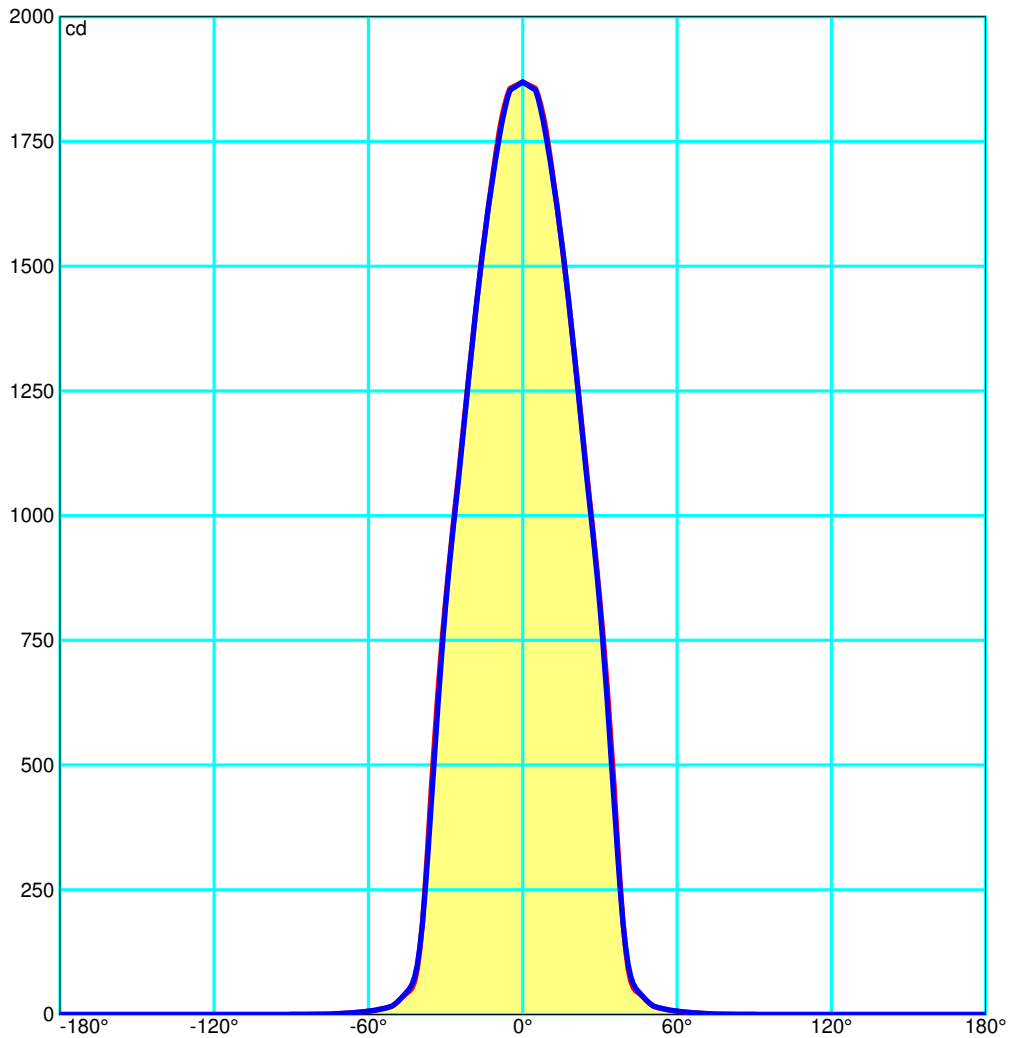
Luminaire Flux	1460.95 lm	Luminaire Power	25.90 W	Efficacy	56.41 lm/W	Efficiency	100.00%
Lamps Flux	1460.95 lm	Maximum value	1869.08 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=100mm



C Halfplanes

180.0 ———— 0.0
 270.0 ———— 90.0



Luminaire

Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Measurement

Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1460.95 lm	Luminaire Power	25.90 W	Efficacy	56.41 lm/W	Efficiency	100.00%
Lamps Flux	1460.95 lm	Maximum value	1869.08 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	17.8	18.4	18.0	18.6	18.6	17.5	18.2	17.8	18.4	18.6
x=2H y=3H	17.7	18.3	17.9	18.5	18.5	17.4	18.0	17.7	18.2	18.5
x=2H y=4H	17.6	18.2	17.9	18.4	18.4	17.3	17.9	17.6	18.2	18.4
x=2H y=6H	17.5	18.1	17.8	18.3	18.3	17.3	17.8	17.6	18.1	18.3
x=2H y=8H	17.5	18.0	17.8	18.3	18.3	17.2	17.7	17.6	18.0	18.3
x=2H y=12H	17.4	17.9	17.8	18.2	18.3	17.2	17.7	17.5	18.0	18.3
x=4H y=2H	17.6	18.2	17.9	18.4	18.4	17.3	17.9	17.6	18.2	18.4
x=4H y=3H	17.5	17.9	17.8	18.2	18.3	17.2	17.7	17.5	18.0	18.3
x=4H y=4H	17.4	17.8	17.8	18.1	18.2	17.1	17.5	17.5	17.9	18.2
x=4H y=6H	17.3	17.7	17.7	18.0	18.1	17.1	17.4	17.5	17.8	18.1
x=4H y=8H	17.3	17.6	17.7	17.9	18.1	17.0	17.3	17.4	17.7	18.1
x=4H y=12H	17.2	17.5	17.7	17.9	18.1	17.0	17.2	17.4	17.6	18.1
x=8H y=4H	17.3	17.6	17.7	17.9	18.1	17.0	17.3	17.4	17.7	18.1
x=8H y=6H	17.2	17.4	17.6	17.8	18.0	16.9	17.2	17.4	17.6	18.0
x=8H y=8H	17.1	17.3	17.6	17.8	18.0	16.9	17.1	17.3	17.5	18.0
x=8H y=12H	17.1	17.2	17.6	17.7	17.9	16.8	17.0	17.3	17.5	17.9
x=12H y=4H	17.2	17.5	17.7	17.9	18.1	17.0	17.2	17.4	17.6	18.1
x=12H y=6H	17.1	17.3	17.6	17.8	18.0	16.9	17.1	17.3	17.5	18.0
x=12H y=8H	17.1	17.2	17.6	17.7	17.9	16.8	17.0	17.3	17.5	17.9

Luminaire

 Code 35-5418
 Name Proyector BOND TUBE MEDIUM 55° 25.9W

Measur.

 Code 35-5418
 Name Proyector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1460.95 lm	Luminaire Power	25.90 W	Efficacy	56.41 lm/W	Efficiency	100.00%
Lamps Flux	1460.95 lm	Maximum value	1869.08 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Total Flux=1460.95 Luminaire Flux=1460.95

RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.72	0.76	0.81	0.85	0.87	0.92	0.95	0.97	0.99	1.00	1.01	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

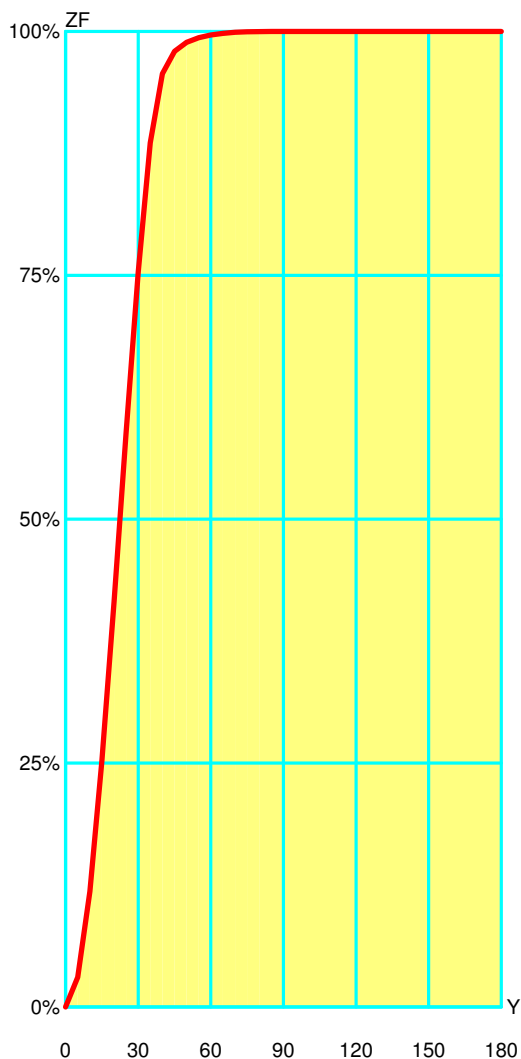
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	119	415	753	957	989	996	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

97 100 100 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	99.99969 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	--	DLOR	99.99969 %
B NBN	BZ 1	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Gamma °	Zonal Flux			
	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	30.48	30.48	3.05 %	3.05 %
10°	88.05	118.52	8.80 %	11.85 %
15°	133.90	252.43	13.39 %	25.24 %
20°	162.98	415.41	16.30 %	41.54 %
25°	172.98	588.39	17.30 %	58.84 %
30°	165.02	753.40	16.50 %	75.34 %
35°	132.30	885.71	13.23 %	88.57 %
40°	70.90	956.61	7.09 %	95.66 %
45°	23.01	979.62	2.30 %	97.96 %
50°	9.25	988.87	0.92 %	98.89 %
55°	4.70	993.57	0.47 %	99.36 %
60°	2.77	996.34	0.28 %	99.63 %
65°	1.72	998.07	0.17 %	99.81 %
70°	1.02	999.09	0.10 %	99.91 %
75°	0.55	999.64	0.06 %	99.96 %
80°	0.22	999.86	0.02 %	99.99 %
85°	0.07	999.94	0.01 %	99.99 %
90°	0.06	1000.00	0.01 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

Luminaire

 Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Measurum.

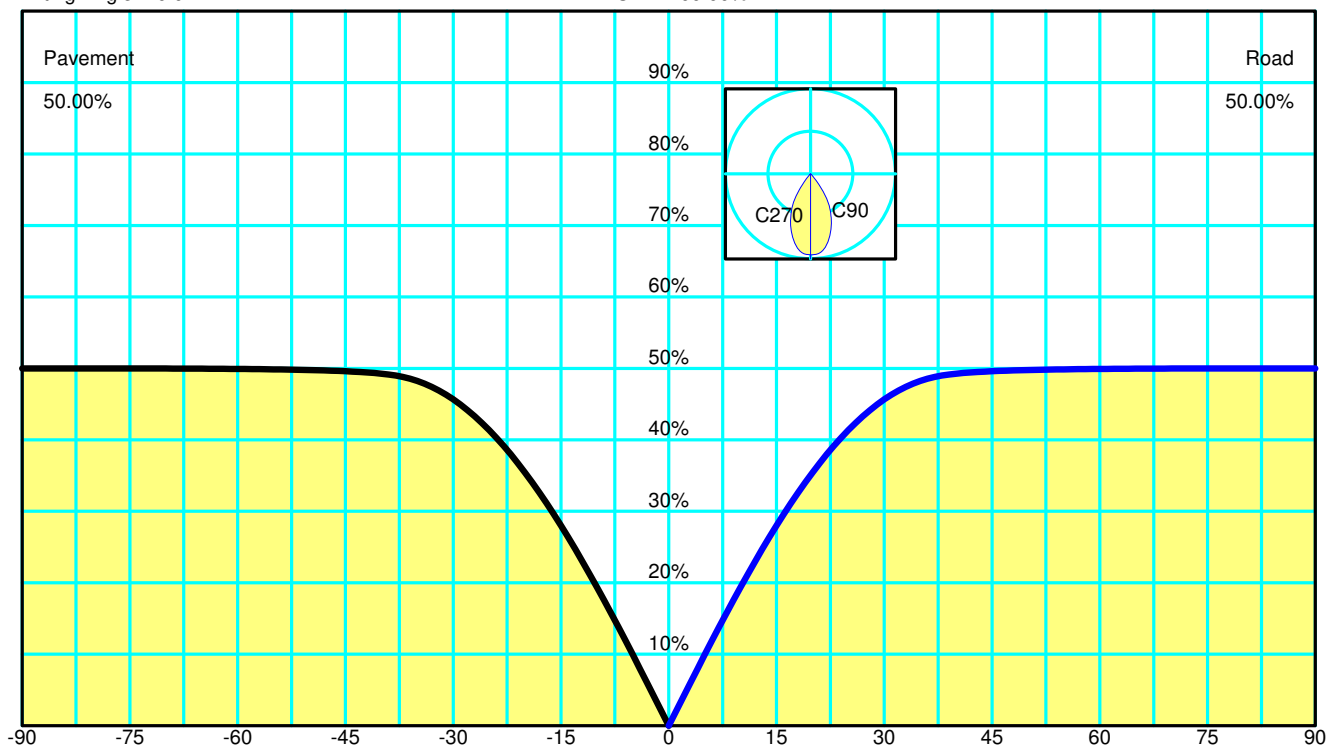
 Code 35-5418
 Name Projector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1460.95 lm	Luminaire Power	25.90 W	Efficacy	56.41 lm/W	Efficiency	100.00%
Lamps Flux	1460.95 lm	Maximum value	1869.08 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	9.92%	Piano	5	9.92%
Piano	-10	19.38%	Piano	10	19.38%
Piano	-15	28.00%	Piano	15	28.00%
Piano	-20	35.42%	Piano	20	35.42%
Piano	-25	41.36%	Piano	25	41.36%
Piano	-30	45.67%	Piano	30	45.67%
Piano	-35	48.24%	Piano	35	48.24%
Piano	-40	49.26%	Piano	40	49.26%
Piano	-45	49.60%	Piano	45	49.60%
Piano	-50	49.77%	Piano	50	49.77%
Piano	-55	49.86%	Piano	55	49.86%
Piano	-60	49.92%	Piano	60	49.92%
Piano	-65	49.96%	Piano	65	49.96%
Piano	-70	49.98%	Piano	70	49.98%
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	11.5° Narrow	DLOR	99.99969 %
Throw	5.9° Short	ULOR	0.00000 %
SLI (glare)	12.6 Tight	Efficiency	99.99969 %
CIE Cutoff	Cutoff - Max: C=0.0° Gamma=0.0°	RN	0.00000 %
lesna Cutoff	Cutoff	Luminous Intensity Class	G5
DIN5044	KB1	Glare Index	D6

IESNA Type V Very Short Quadrilateral Symmetry

Luminaire

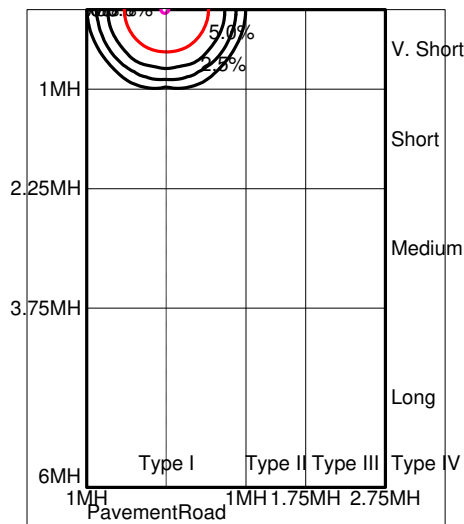
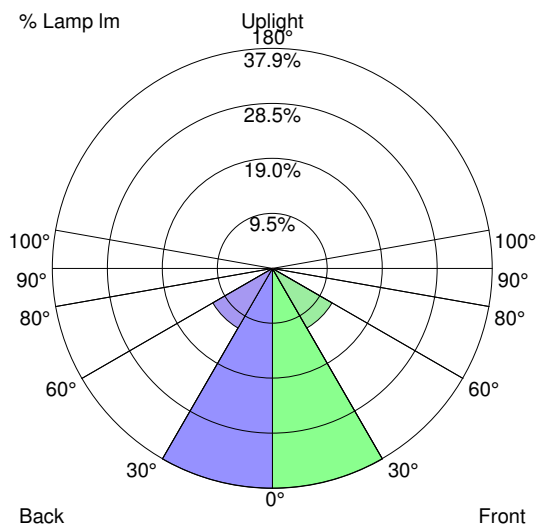
 Code 35-5418
 Name Proyector BOND TUBE MEDIUM 55° 25.9W

Measurement

 Code 35-5418
 Name Proyector BOND TUBE MEDIUM 55° 25.9W

Luminaire Flux	1460.95 lm	Luminaire Power	25.90 W	Efficacy	56.41 lm/W	Efficiency	100.00%
Lamps Flux	1460.95 lm	Maximum value	1869.08 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	732.8 lm	37.9 %	37.9 %
FM	30° -- 60°	229.3 lm	11.9 %	11.9 %
FH	60° -- 80°	3.3 lm	0.2 %	0.2 %
FVH	80° -- 90°	0.1 lm	0.0 %	0.0 %
BL	0° -- 30°	732.8 lm	37.9 %	37.9 %
BM	30° -- 60°	229.3 lm	11.9 %	11.9 %
BH	60° -- 80°	3.3 lm	0.2 %	0.2 %
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		1931.1 lm	100.0 %	100.0 %
		BUG B2 U0 G0	Type V Very Short	Quadrilateral Symmetry

