



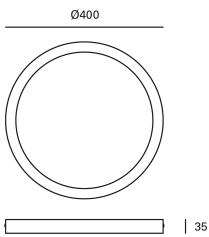
Easy Round Surface Ø400mm

Leds C4 Team

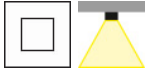
TC-0411-BLA

Plafon IP20 Easy Round Surface Ø400mm LED 26.4W 3000K Branco 2458lm

CARACTERÍSTICAS TÉCNICAS



IP20

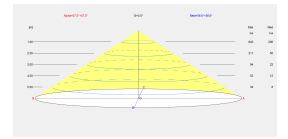
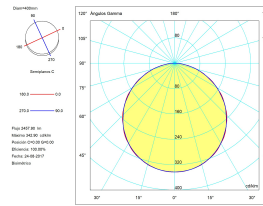


Potência (W) : 26.4W
Consumo total da luminária (W) : 29.3W
Lúmenes reais : 2458
Lm/W reais : 84
Temperatura da cor : Branco quente - 3000K
Ângulo Óticas / Refletor : HORIZONTAL 114°
Material da estrutura : Alumínio
Acabamento estrutura : Branco
Material do difusor : Acrílico
Acabamento difusor : Opala
Vida útil : 36.000h L70B30

Equipamento incluído : Sim, eletrônico
Tensão / Frequência : 100-240V/50-60Hz
Garantia : 5 Anos
Temperatura máx. : 25°C
Eficiência energética : LED A++

CARACTERÍSTICAS LUMINOTÉCNICAS

Fonte de luz: LED
CRI: 80
MacAdam steps: 3
Risco fotobiológico: RG1



LOGÍSTICA

Peso líquido (kg): 1.34
Peso embalado (kg): 1.7
Embalagem: 410mm x 410mm x 45mm

 5 Un

Luminaire

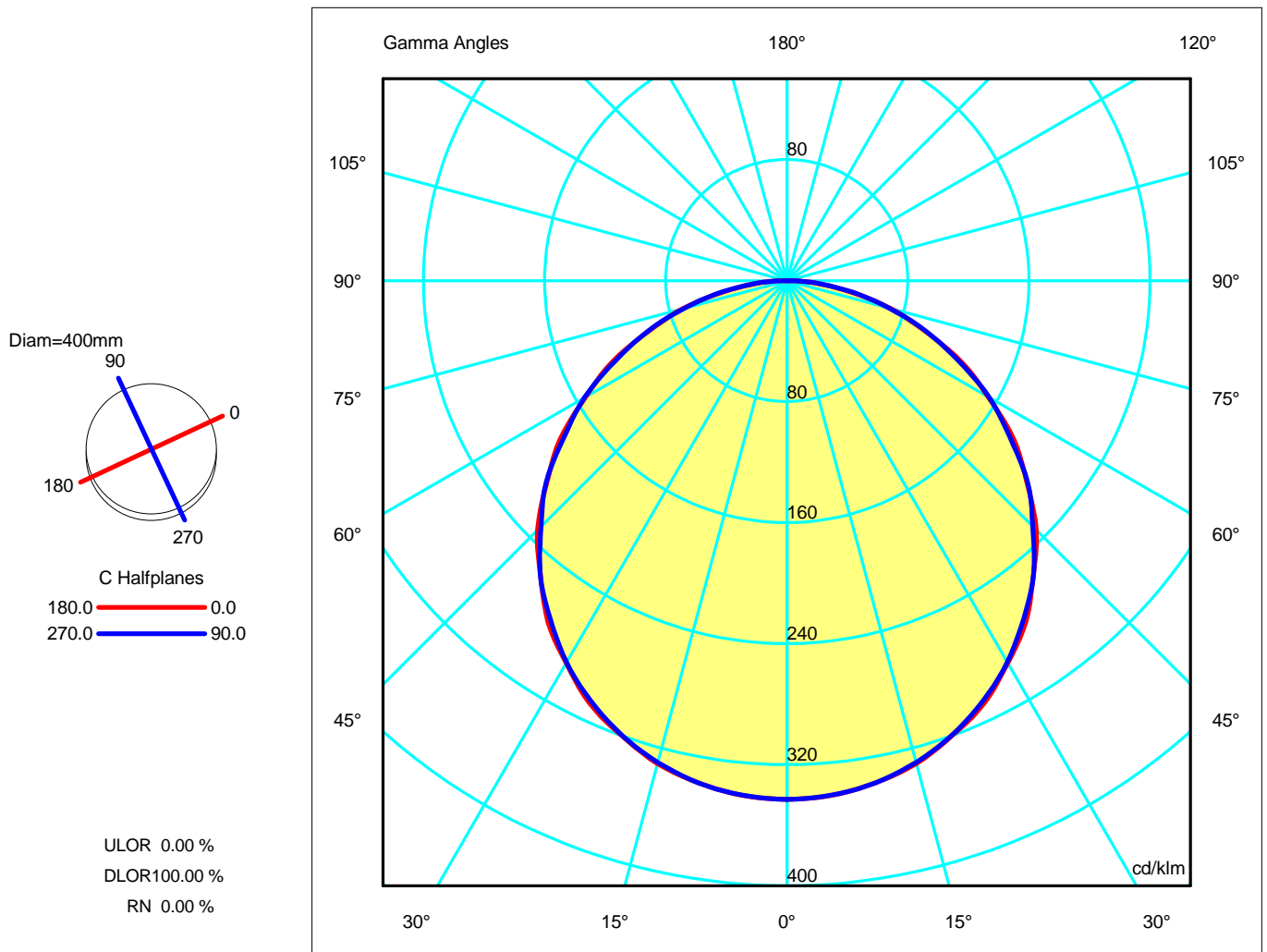
Code TC-0411-BLA
Name PLAFON LEDS

Measur.

Code CL116A17F313G
Name PLAFON LEDS

Luminaire Flux	2457.90 lm	Luminaire Power	29.15 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Lamps Flux	2457.90 lm	Maximum value	342.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	400 mm 348 mm	Height Height	40 mm 0 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°		0.095115 m2 0.000000 m2 0.000000 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.000000 m2 0.000000 m2 0.023010 m2	
Coordinate system Date Measurement Distance		CG 24-08-2017 0.00		Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 90 2457.90 lm	
Operator Temperature Humidity Notes		Asselum T2 25.00 °C 60.00 %		Source Voltage [V] Source current [A] Photocell			

Line	Code	Luminaire Lamps Name	Flux [lm]	Pow. [W]	Q.ty
	TC-0411-BLA	TC-0411-BLA	2457.90	29.15	1
C.I.E.	46 78 95 100 100	D DIN 5040	A30		
F UTE	1.00 E	B NBN	BZ 5		





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Luminous Intensity Table cd/klm Table 1/1

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	342.90	342.90	342.90	342.90	342.90	342.90	342.90
G 5.0	341.48	341.43	341.50	341.44	341.40	341.44	341.33
G 10.0	337.02	337.36	337.05	337.17	337.25	337.12	336.96
G 15.0	330.45	329.87	330.24	329.73	330.12	329.98	329.58
G 20.0	319.79	320.36	319.75	320.17	320.13	319.84	319.45
G 25.0	308.30	307.05	307.65	306.87	307.37	307.22	306.48
G 30.0	291.77	292.33	291.60	291.95	291.81	291.80	291.21
G 35.0	275.25	273.66	274.96	273.29	273.74	273.62	272.72
G 40.0	253.44	254.47	253.28	254.45	253.49	253.32	253.45
G 45.0	233.01	230.99	232.78	230.48	231.03	230.82	229.66
G 50.0	206.87	208.39	206.56	208.07	206.78	206.29	207.72
G 55.0	182.98	180.89	182.51	179.81	180.74	180.41	179.50
G 60.0	153.47	155.67	152.95	154.98	153.64	153.07	154.34
G 65.0	127.47	126.09	127.07	124.92	125.44	125.19	124.73
G 70.0	96.56	99.14	96.47	98.32	96.97	96.90	97.85
G 75.0	71.10	70.00	70.75	69.26	69.26	69.06	69.67
G 80.0	42.16	44.34	42.80	44.04	43.18	42.68	43.88
G 85.0	20.42	18.98	20.29	19.09	19.06	18.76	19.97
G 90.0	0.77	1.21	1.20	1.22	1.19	1.19	1.21

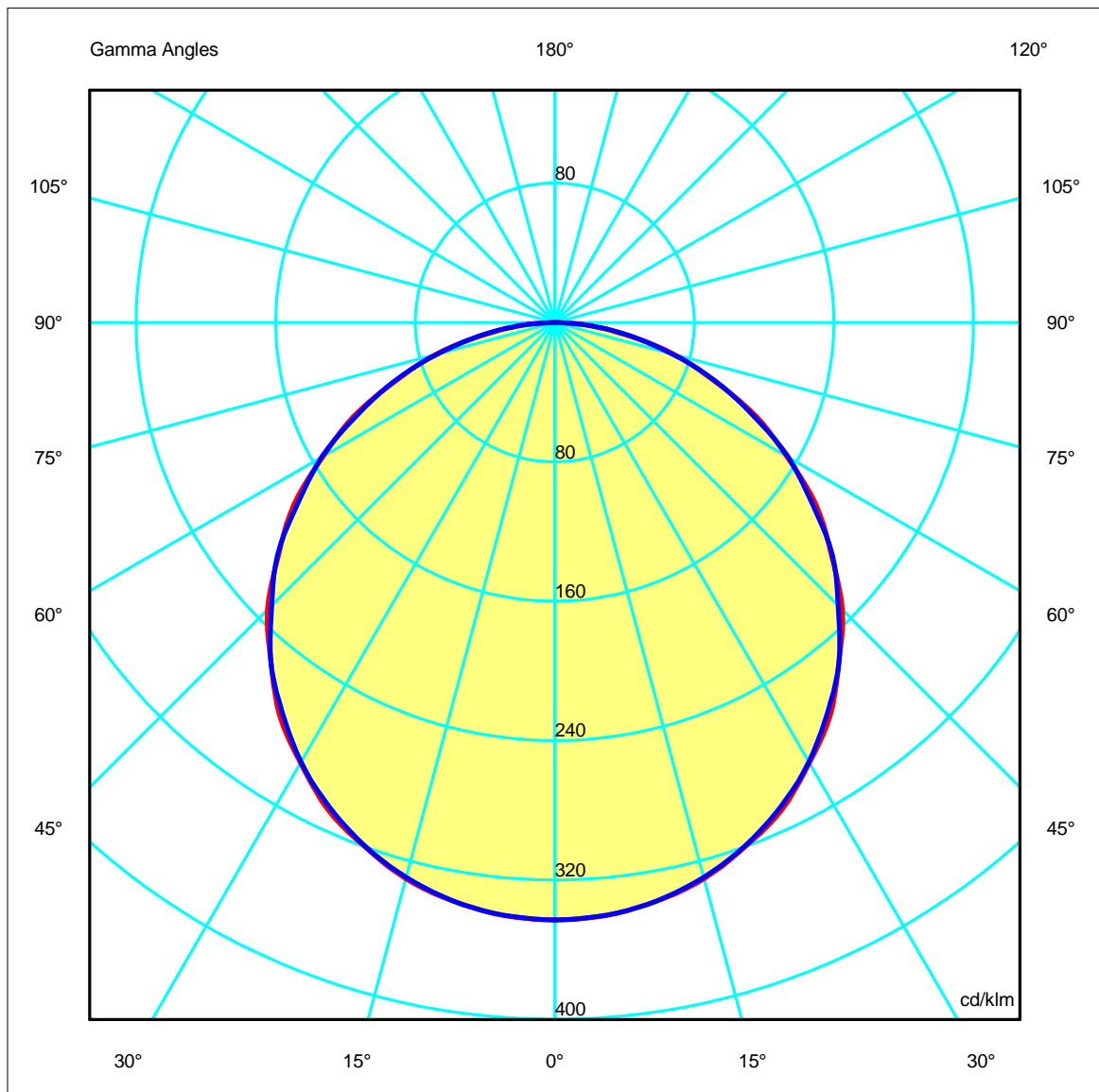
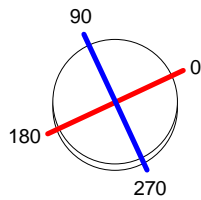
Luminaire
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 Name PLAFON LEDS
Measur.
 Code CL116A17F313G
 Name PLAFON LEDS

Luminaire Flux	2457.90 lm	Luminaire Power	29.15 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Lamps Flux	2457.90 lm	Maximum value	342.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=400mm

C Halfplanes

180.0 ——— 0.0
 270.0 ——— 90.0



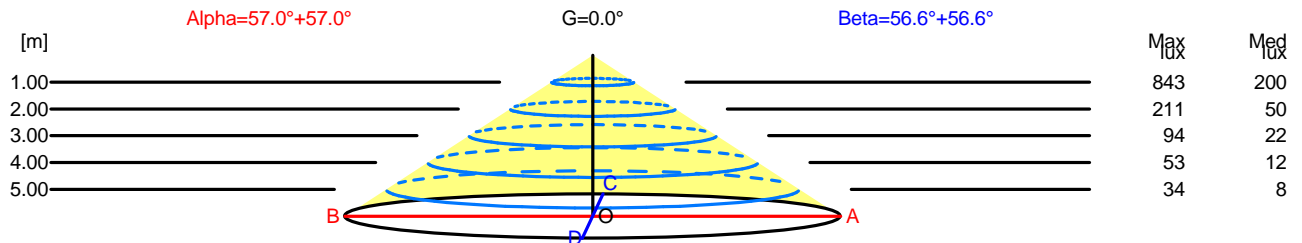
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Width at 50.00 % of Max Intensity

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	1.54	3.08	4.62	6.16	7.70	OC	1.52	3.03	4.55	6.06	7.58
OB	1.54	3.08	4.62	6.16	7.70	OD	1.52	3.03	4.55	6.06	7.58

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	842.81	839.33	812.22	757.77	676.53	572.71	449.75	313.31	174.77	50.18
OB	842.81	839.33	812.22	757.77	676.53	572.71	449.75	313.31	174.77	50.18
OC	842.81	838.96	810.09	753.29	670.31	564.48	441.20	306.56	171.24	49.08
OD	842.81	838.96	810.09	753.29	670.31	564.48	441.20	306.56	171.24	49.08



H[m]	D[m]	Max lux	Med lux	Alpha=57.0°+57.0°	G=0.0
1.00	3.08	843	200		
2.00	6.16	211	50		
3.00	9.24	94	22		
4.00	12.31	53	12		
5.00	15.39	34	8		

H[m]	D[m]	Max lux	Med lux	Beta=56.6°+56.6°	G=0.0
1.00	3.03	843	200		
2.00	6.06	211	50		
3.00	9.09	94	22		
4.00	12.12	53	12		
5.00	15.15	34	8		

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Measurement

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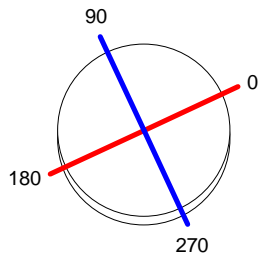
UGR
S = 0.250

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	19.8	21.1	20.1	21.4	21.6	19.7	21.1	20.0	21.3	21.6
x=2H y=3H	21.5	22.7	21.8	23.0	23.2	21.4	22.6	21.7	22.9	23.2
x=2H y=4H	22.2	23.3	22.5	23.6	23.8	22.1	23.3	22.5	23.5	23.8
x=2H y=6H	22.7	23.8	23.1	24.1	24.3	22.6	23.7	23.0	24.0	24.3
x=2H y=8H	22.9	23.9	23.3	24.3	24.5	22.8	23.9	23.2	24.2	24.5
x=2H y=12H	23.0	24.0	23.4	24.3	24.6	23.0	24.0	23.4	24.3	24.6
x=4H y=2H	20.6	21.7	20.9	22.0	22.3	20.5	21.7	20.9	22.0	22.3
x=4H y=3H	22.4	23.4	22.8	23.8	24.0	22.4	23.4	22.8	23.7	24.0
x=4H y=4H	23.3	24.1	23.7	24.5	24.8	23.2	24.1	23.6	24.4	24.8
x=4H y=6H	23.9	24.7	24.4	25.1	25.4	23.9	24.6	24.3	25.0	25.4
x=4H y=8H	24.2	24.9	24.6	25.3	25.6	24.1	24.8	24.5	25.2	25.6
x=4H y=12H	24.4	25.0	24.8	25.4	25.8	24.3	24.9	24.7	25.3	25.8
x=8H y=4H	23.6	24.3	24.1	24.7	25.1	23.6	24.3	24.0	24.7	25.1
x=8H y=6H	24.5	25.0	24.9	25.5	25.9	24.4	25.0	24.9	25.4	25.9
x=8H y=8H	24.8	25.3	25.3	25.7	26.2	24.7	25.2	25.2	25.7	26.2
x=8H y=12H	25.0	25.5	25.5	25.9	26.4	25.0	25.4	25.5	25.9	26.4
x=12H y=4H	23.7	24.3	24.1	24.7	25.1	23.6	24.3	24.1	24.7	25.1
x=12H y=6H	24.5	25.0	25.0	25.5	25.9	24.5	25.0	25.0	25.4	25.9
x=12H y=8H	24.9	25.3	25.4	25.8	26.2	24.8	25.3	25.3	25.7	26.2

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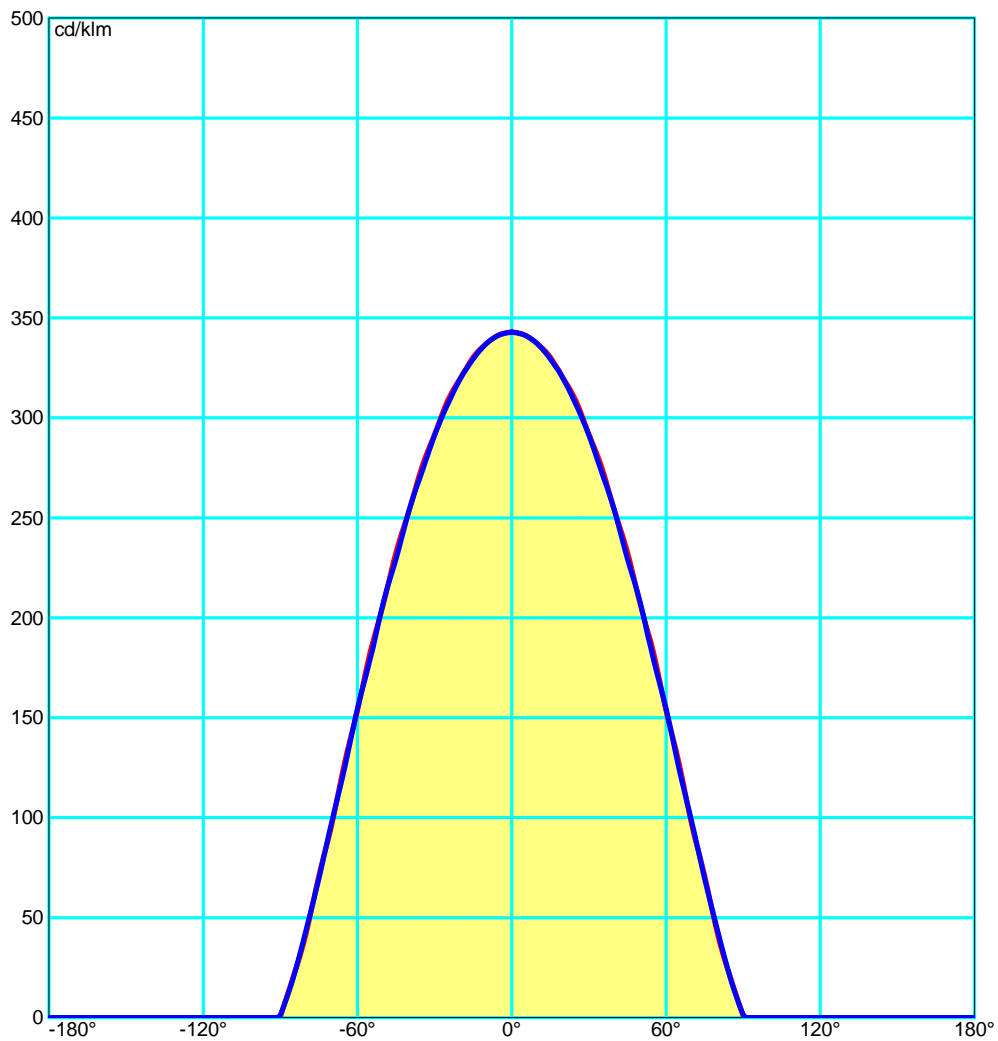
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Diam=400mm



C Halfplanes

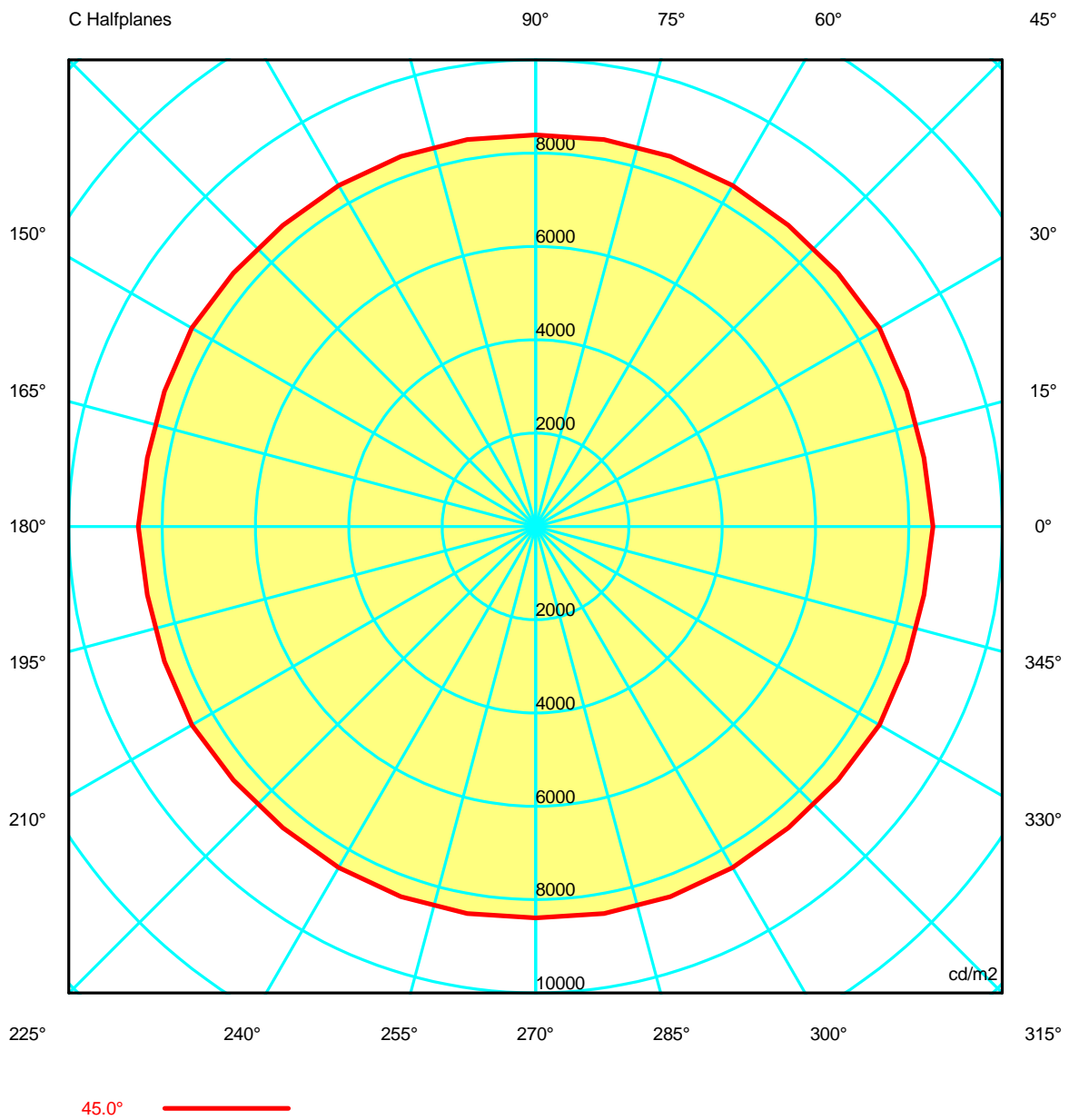
180.0 ———— 0.0
 270.0 ———— 90.0



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Luminance





Luminaire

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Lamps Flux	2457.90 lm	Maximum value	342.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance cd/m2 Table 1/3

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97
G 5.0	8858.14	8856.72	8857.27	8858.64	8857.76	8856.26	8855.95	8856.88	8856.49	8854.15	8856.49	8856.88	8855.95
G 10.0	8843.45	8851.25	8850.23	8844.26	8845.42	8848.74	8849.41	8847.55	8844.70	8841.82	8844.70	8847.55	8849.41
G 15.0	8840.56	8826.95	8828.24	8834.95	8825.16	8822.67	8831.65	8831.13	8824.59	8817.36	8824.59	8831.13	8831.65
G 20.0	8794.25	8808.73	8804.94	8793.01	8800.78	8806.54	8803.59	8798.59	8792.28	8784.69	8792.28	8798.59	8803.59
G 25.0	8790.54	8760.14	8759.27	8771.83	8756.70	8751.04	8763.89	8764.26	8753.47	8738.57	8753.47	8764.26	8763.89
G 30.0	8706.27	8721.99	8716.32	8701.04	8707.02	8710.09	8707.38	8707.21	8703.23	8689.39	8703.23	8707.21	8707.38
G 35.0	8683.11	8637.80	8646.26	8674.04	8639.68	8626.19	8635.66	8637.45	8623.39	8603.27	8623.39	8637.45	8635.66
G 40.0	8549.57	8582.79	8570.77	8543.96	8571.20	8579.47	8551.12	8547.30	8547.23	8549.71	8547.23	8547.30	8551.12
G 45.0	8515.38	8447.65	8463.06	8507.09	8452.26	8429.66	8443.05	8444.65	8422.82	8392.90	8422.82	8444.65	8443.05
G 50.0	8316.61	8375.15	8353.95	8303.96	8344.85	8360.12	8312.91	8289.37	8306.74	8350.92	8306.74	8289.37	8312.91
G 55.0	8243.90	8157.95	8174.95	8222.44	8139.85	8114.81	8142.81	8141.90	8113.94	8087.25	8113.94	8141.90	8142.81
G 60.0	7931.97	8040.56	8001.27	7905.07	7972.52	8007.49	7940.57	7906.99	7926.19	7976.59	7926.19	7906.99	7940.57
G 65.0	7794.43	7717.32	7732.33	7769.58	7680.32	7648.95	7670.06	7667.41	7644.10	7626.44	7644.10	7667.41	7670.06
G 70.0	7295.29	7475.93	7430.19	7288.69	7379.08	7394.53	7326.38	7305.63	7342.57	7392.75	7342.57	7305.63	7326.38
G 75.0	7099.30	7000.41	7015.16	7063.80	6966.50	6915.08	6915.12	6901.97	6905.53	6955.99	6905.53	6901.97	6915.12
G 80.0	6274.73	6558.90	6536.00	6368.73	6487.30	6551.06	6426.27	6346.21	6390.29	6529.56	6390.29	6346.21	6426.27
G 85.0	6053.61	5665.17	5742.05	6014.86	5797.76	5656.74	5651.98	5572.48	5632.08	5921.09	5632.08	5572.48	5651.98
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



Luminaire

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Luminance cd/m2 Table 2/3

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97
G 5.0	8856.26	8857.76	8858.64	8857.27	8856.72	8858.14	8856.72	8857.27	8858.64	8857.76	8856.26	8855.95	8856.88
G 10.0	8848.74	8845.42	8844.26	8850.23	8851.25	8843.45	8851.25	8850.23	8844.26	8845.42	8848.74	8849.41	8847.55
G 15.0	8822.67	8825.16	8834.95	8828.24	8826.95	8840.56	8826.95	8828.24	8834.95	8825.16	8822.67	8831.65	8831.13
G 20.0	8806.54	8800.78	8793.01	8804.94	8808.73	8794.25	8808.73	8804.94	8793.01	8800.78	8806.54	8803.59	8798.59
G 25.0	8751.04	8756.70	8771.83	8759.27	8760.14	8790.54	8760.14	8759.27	8771.83	8756.70	8751.04	8763.89	8764.26
G 30.0	8710.09	8707.02	8701.04	8716.32	8721.99	8706.27	8721.99	8716.32	8701.04	8707.02	8710.09	8707.38	8707.21
G 35.0	8626.19	8639.68	8674.04	8646.26	8637.80	8683.11	8637.80	8646.26	8674.04	8639.68	8626.19	8635.66	8637.45
G 40.0	8579.47	8571.20	8543.96	8570.77	8582.79	8549.57	8582.79	8570.77	8543.96	8571.20	8579.47	8551.12	8547.30
G 45.0	8429.66	8452.26	8507.09	8463.06	8447.65	8515.38	8447.65	8463.06	8507.09	8452.26	8429.66	8443.05	8444.65
G 50.0	8360.12	8344.85	8303.96	8353.95	8375.15	8316.61	8375.15	8353.95	8303.96	8344.85	8360.12	8312.91	8289.37
G 55.0	8114.81	8139.85	8222.44	8174.95	8157.95	8243.90	8157.95	8174.95	8222.44	8139.85	8114.81	8142.81	8141.90
G 60.0	8007.49	7972.52	7905.07	8001.27	8040.56	7931.97	8040.56	8001.27	7905.07	7972.52	8007.49	7940.57	7906.99
G 65.0	7648.95	7680.32	7769.58	7732.33	7717.32	7794.43	7717.32	7732.33	7769.58	7680.32	7648.95	7670.06	7667.41
G 70.0	7394.53	7379.08	7288.69	7430.19	7475.93	7295.29	7475.93	7430.19	7288.69	7379.08	7394.53	7326.38	7305.63
G 75.0	6915.08	6966.50	7063.80	7015.16	7000.41	7099.30	7000.41	7015.16	7063.80	6966.50	6915.08	6915.12	6901.97
G 80.0	6551.06	6487.30	6368.73	6536.00	6558.90	6274.73	6558.90	6536.00	6368.73	6487.30	6551.06	6426.27	6346.21
G 85.0	5656.74	5797.76	6014.86	5742.05	5665.17	6053.61	5665.17	5742.05	6014.86	5797.76	5656.74	5651.98	5572.48
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



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 Code CL116A17F313G
 Name PLAFON LEDS

Luminaire Flux	2457.90 lm	Luminaire Power	29.15 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Lamps Flux	2457.90 lm	Maximum value	342.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance cd/m2 Table 3/3

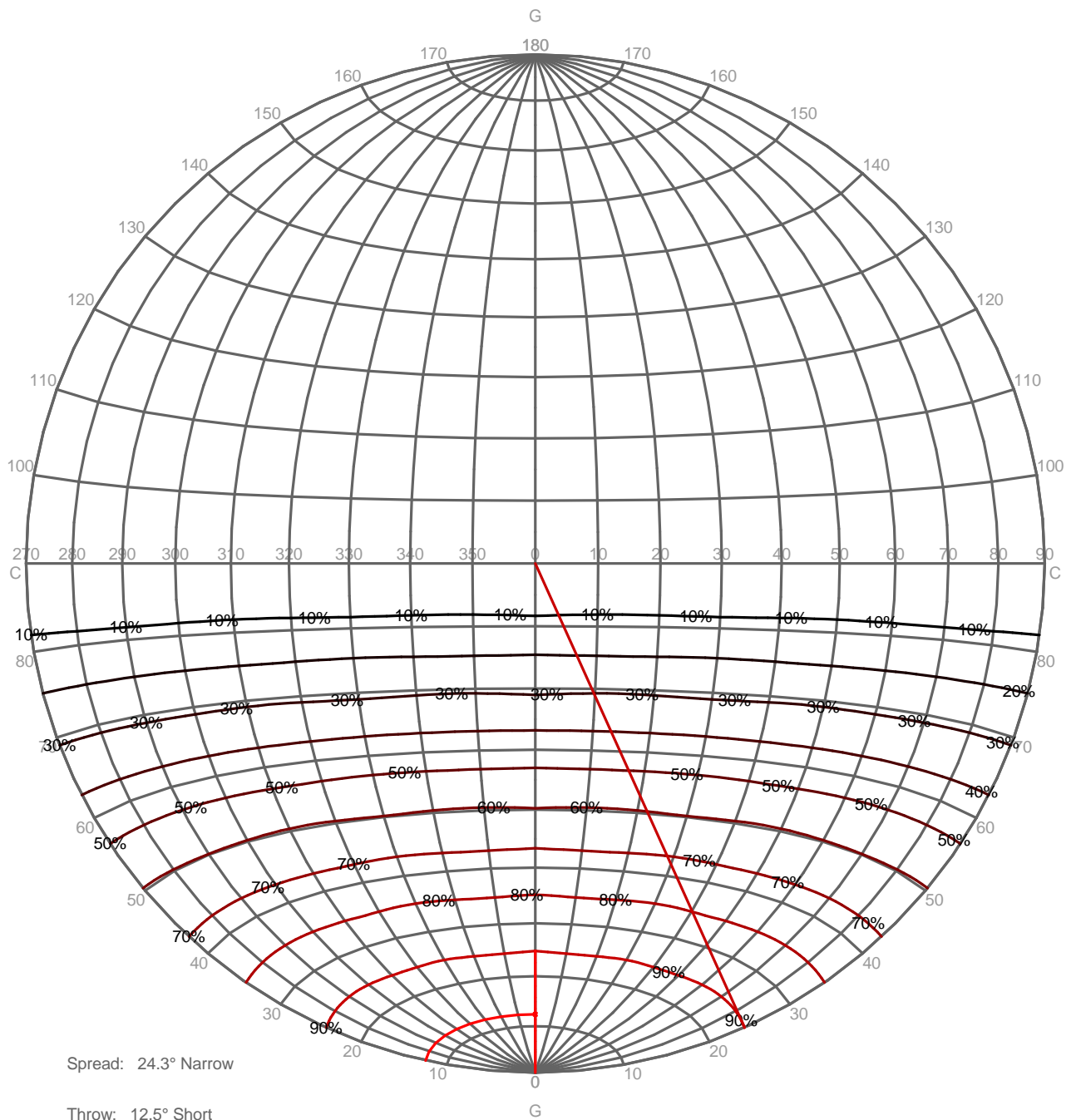
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97	8860.97
G 5.0	8856.49	8854.15	8856.49	8856.88	8855.95	8856.26	8857.76	8858.64	8857.27	8856.72
G 10.0	8844.70	8841.82	8844.70	8847.55	8849.41	8848.74	8845.42	8844.26	8850.23	8851.25
G 15.0	8824.59	8817.36	8824.59	8831.13	8831.65	8822.67	8825.16	8834.95	8828.24	8826.95
G 20.0	8792.28	8784.69	8792.28	8798.59	8803.59	8806.54	8800.78	8793.01	8804.94	8808.73
G 25.0	8753.47	8738.57	8753.47	8764.26	8763.89	8751.04	8756.70	8771.83	8759.27	8760.14
G 30.0	8703.23	8689.39	8703.23	8707.21	8707.38	8710.09	8707.02	8701.04	8716.32	8721.99
G 35.0	8623.39	8603.27	8623.39	8637.45	8635.66	8626.19	8639.68	8674.04	8646.26	8637.80
G 40.0	8547.23	8549.71	8547.23	8547.30	8551.12	8579.47	8571.20	8543.96	8570.77	8582.79
G 45.0	8422.82	8392.90	8422.82	8444.65	8443.05	8429.66	8452.26	8507.09	8463.06	8447.65
G 50.0	8306.74	8350.92	8306.74	8289.37	8312.91	8360.12	8344.85	8303.96	8353.95	8375.15
G 55.0	8113.94	8087.25	8113.94	8141.90	8142.81	8114.81	8139.85	8222.44	8174.95	8157.95
G 60.0	7926.19	7976.59	7926.19	7906.99	7940.57	8007.49	7972.52	7905.07	8001.27	8040.56
G 65.0	7644.10	7626.44	7644.10	7667.41	7670.06	7648.95	7680.32	7769.58	7732.33	7717.32
G 70.0	7342.57	7392.75	7342.57	7305.63	7326.38	7394.53	7379.08	7288.69	7430.19	7475.93
G 75.0	6905.53	6955.99	6905.53	6901.97	6915.12	6915.08	6966.50	7063.80	7015.16	7000.41
G 80.0	6390.29	6529.56	6390.29	6346.21	6426.27	6551.06	6487.30	6368.73	6536.00	6558.90
G 85.0	5632.08	5921.09	5632.08	5572.48	5651.98	5656.74	5797.76	6014.86	5742.05	5665.17
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire
 Code TC-0411-BLA
 Name PLAFON LEDS
Measurment.
 Code CL116A17F313G
 Name PLAFON LEDS

Luminaire Flux	2457.90 lm	Luminaire Power	29.15 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Lamps Flux	2457.90 lm	Maximum value	342.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

PERCENTAGE ISOCANDLES

Projection: Equal Area SLI 6.1 Tight Tilting Angle:0°

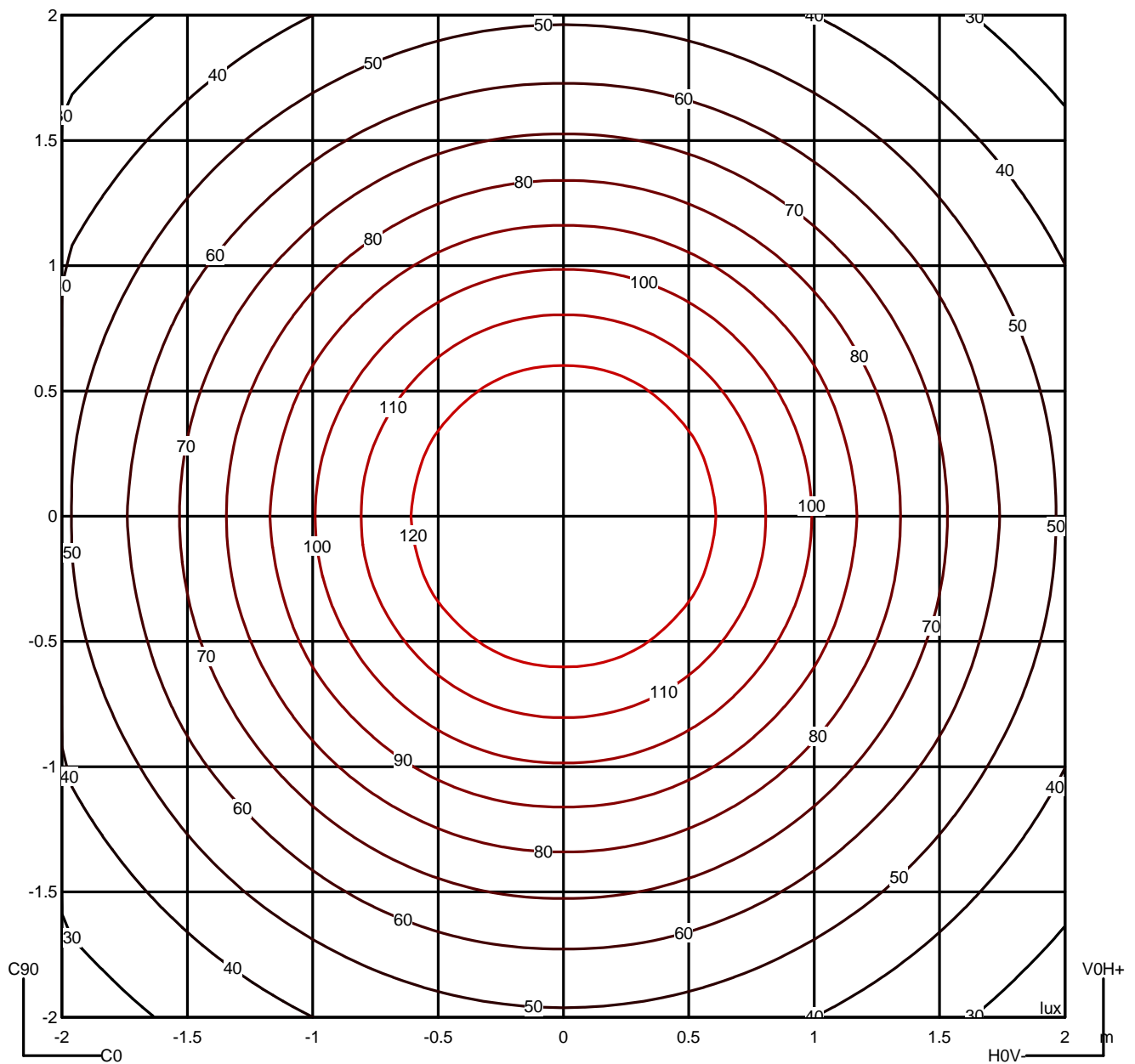


Luminaire
 Code TC-0411-BLA
 Name PLAFON LEDS
Measur.
 Code CL116A17F313G
 Name PLAFON LEDS

Luminaire Flux	2457.90 lm	Luminaire Power	29.15 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Lamps Flux	2457.90 lm	Maximum value	342.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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

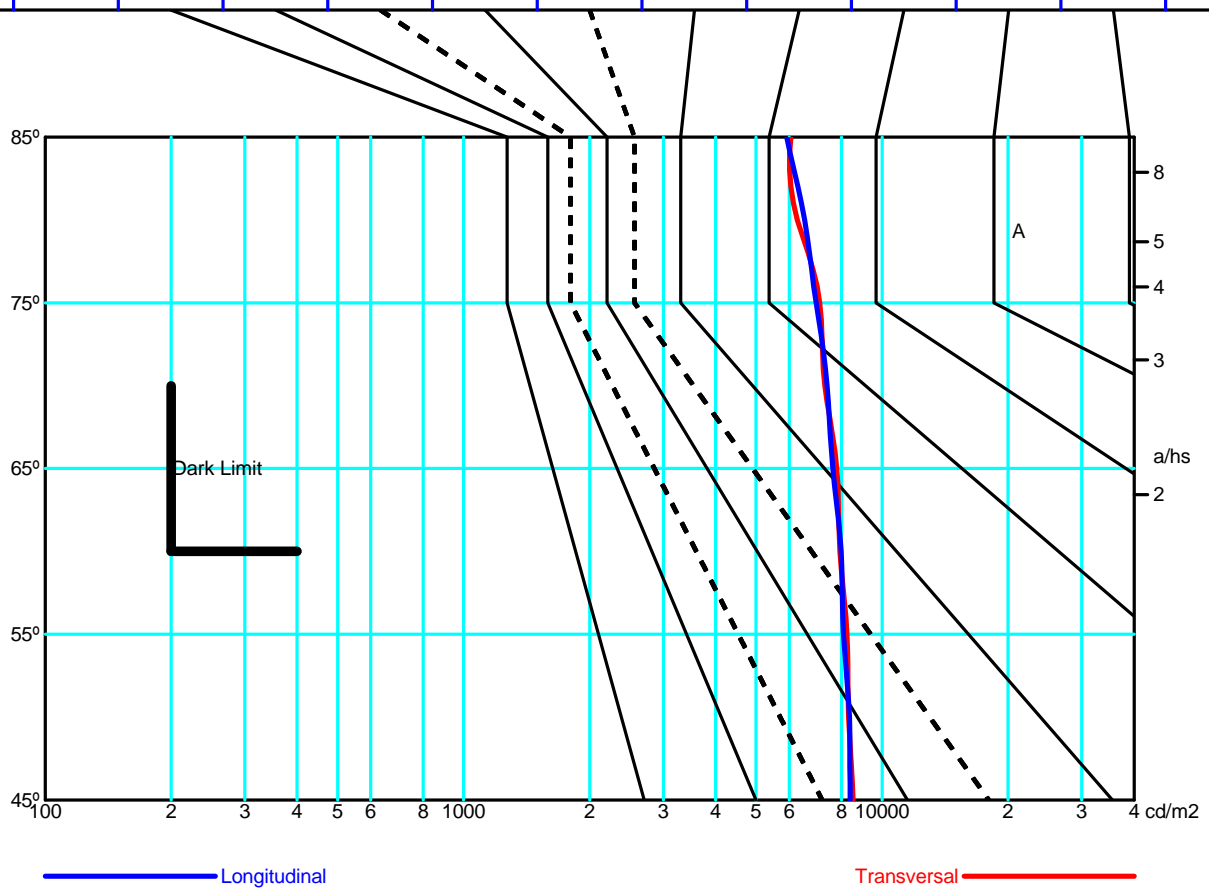


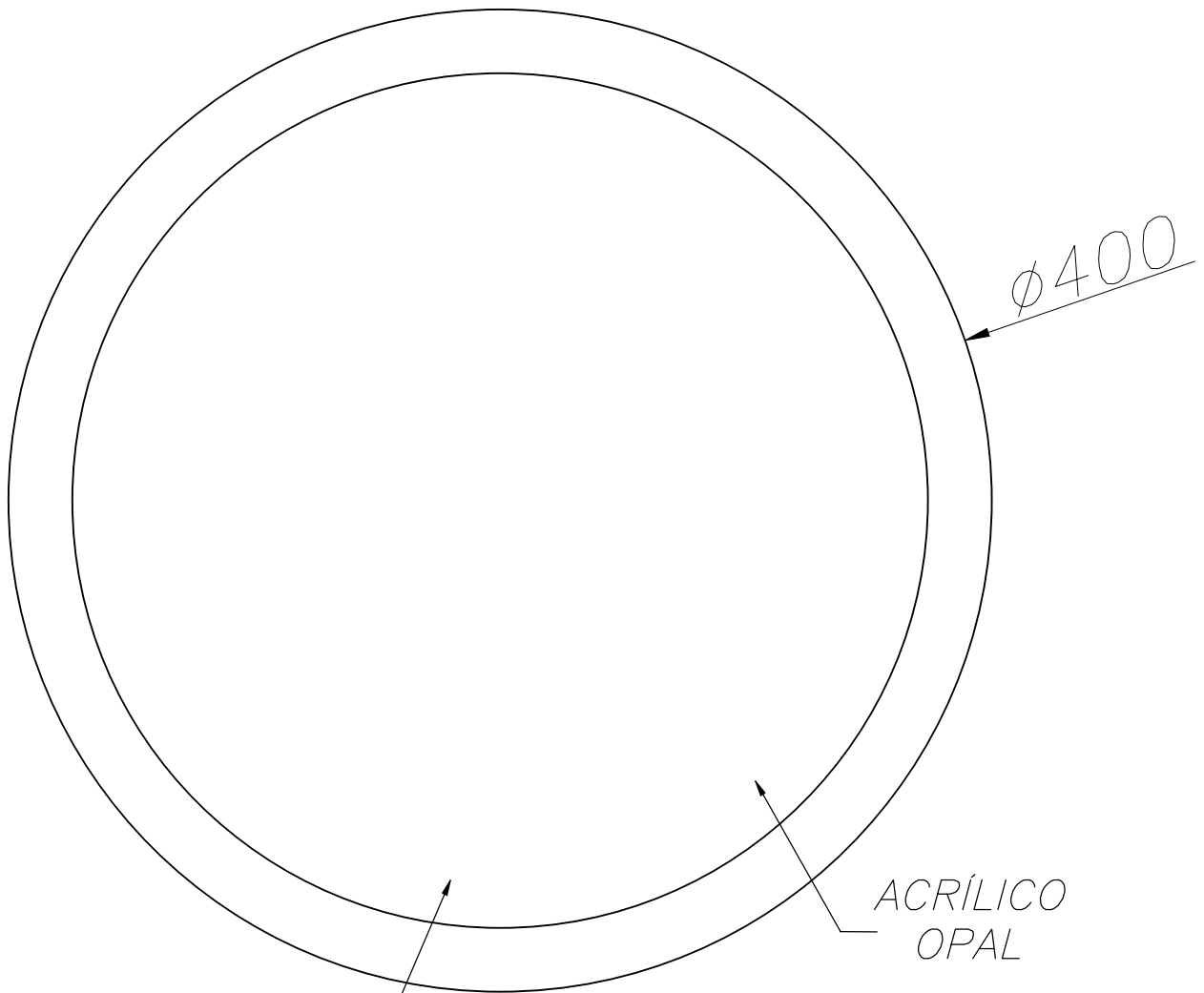
Luminaire
 Code TC-0411-BLA
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Luminaire Flux	2457.90 lm	Luminaire Power	29.15 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Lamps Flux	2457.90 lm	Maximum value	342.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

		Average Luminance [cd/m ²]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°		8515	8317	8244	7932	7794	7295	7099	6275	6054	---
90.0°		8393	8351	8087	7977	7626	7393	6956	6530	5921	---

Flush mounted or longitudinal view												
		Illumination(Ix)										
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

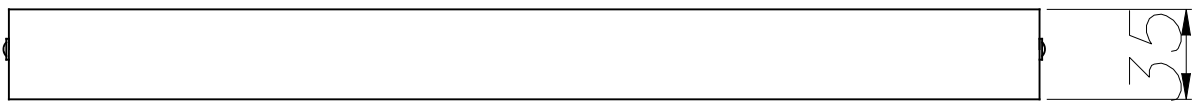




Ø400

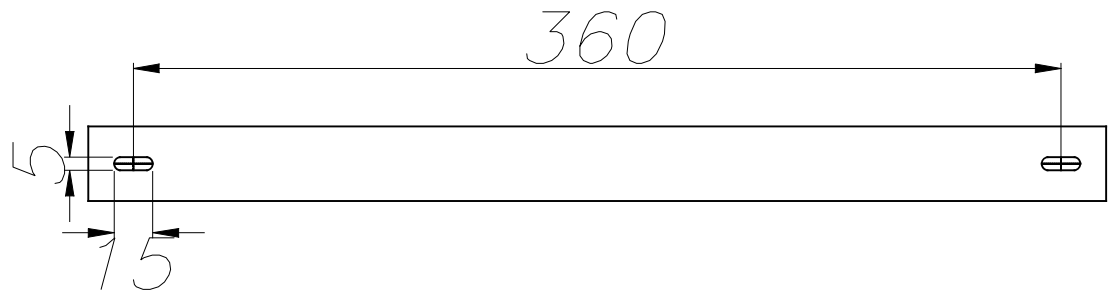
ACRÍLICO
OPAL

ALUMINIO INYECTADO
INJECTED ALUMINIUM



35

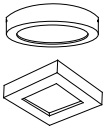
PLANTILLA DE INSTALACIÓN
INSTALLATION TEMPLATE



360

5

15



Easy

FOR
LIGHT



	Ø120	Ø170	Ø225	Ø300	Ø400	122x122	170x170	225x225	400x400
	50 mm	110 mm	170 mm	235 mm	290 mm	70 mm	120 mm	170 mm	290 mm

