

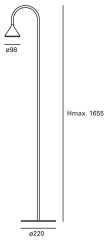
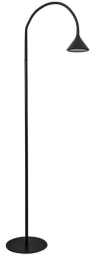


Ding

DE-0272-NEG

Candeeiro de pé IP20 Ding LED 4.8W 3000K Preto 326lm

Instruções de montagem
3D File
Dados fotométricos
Revit



CARACTERÍSTICAS TÉCNICAS



Potência (W) : 4.8W

Consumo total da luminária (W) : 6.6W

Lúmenes reais : 326

Lm/W reais : 49

Temperatura da cor : Branco quente - 3000K

Ângulo Óticas / Refletor : FLOOD 79°

Material da estrutura : Alumínio, Aço

Acabamento estrutura : Preto

Material do difusor : Policarbonato

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++

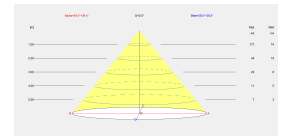
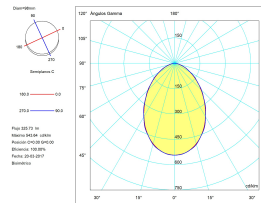
CARACTERÍSTICAS LUMINOTÉCNICAS

Fonte de luz: LED

CRI: 80

MacAdam steps: 3

Risco fotobiológico: RG0



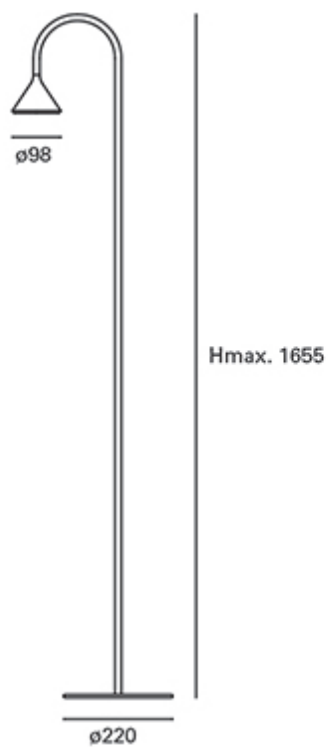
LOGÍSTICA

Peso líquido (kg): 2.24

Peso embalado (kg): 2.75

Embalagem: 235mm x 105mm x 510mm





Luminaire

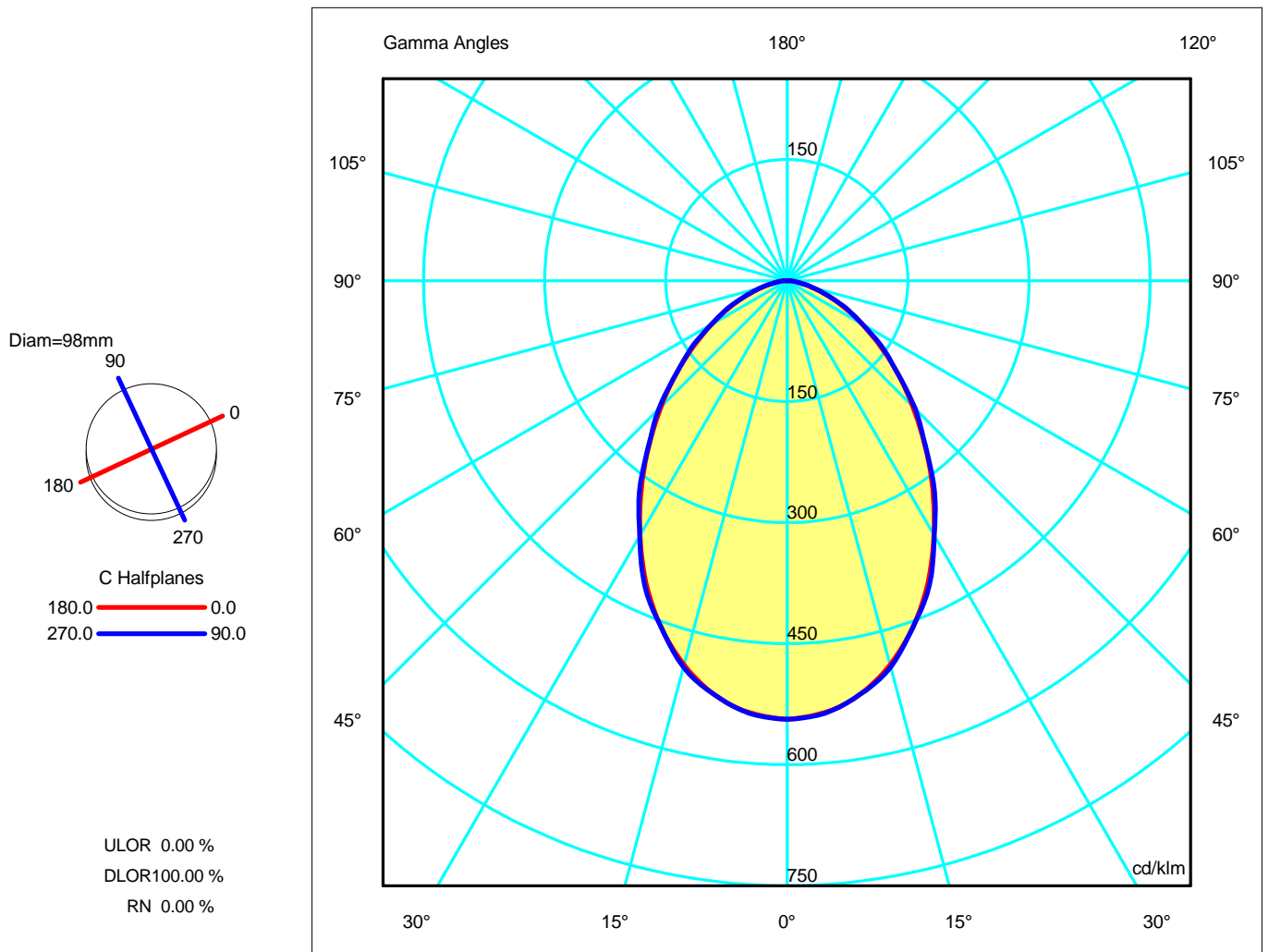
Code DE-0272-NEG
Name Pie led 7W 3000K

Measur.

Code CL116A17F083G
Name Pie led 7W 3000K

Luminaire Flux	325.73 lm	Luminaire Power	6.13 W	Efficacy	53.14 lm/W	Efficiency	100.00%
Lamps Flux	325.73 lm	Maximum value	543.64 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	98 mm 74 mm	Height Height	80 mm 0 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°		0.004301 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 0.001040 m2	
Coordinate system Date Measurement Distance		CG 15-03-2017 0.00		Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 90 325.73 lm	
Operator Temperature Humidity Notes		Asselum T2 25.00 °C 60.00 %		Source Voltage [V] Source current [A] Photocell			

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		DE-0272-NEG		DE-0272-NEG		325.73	6.13	1
C.I.E.	60 88 98 100 100			D DIN 5040	A40			
F UTE	1.00 D			B NBN	BZ 3			





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Lamps Flux	325.73 lm	Maximum value	543.64 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	543.64	543.64	543.64	543.64	543.64	543.64	543.64
G 5.0	537.31	537.14	536.87	537.78	537.55	536.98	538.20
G 10.0	520.83	520.40	520.22	520.73	520.36	520.41	520.81
G 15.0	492.90	492.40	492.65	493.16	493.66	492.28	495.96
G 20.0	456.51	455.92	455.95	456.81	456.53	456.15	456.61
G 25.0	413.08	412.93	412.87	413.03	414.79	412.67	417.17
G 30.0	364.26	364.73	364.56	365.37	364.80	365.10	364.88
G 35.0	314.54	316.41	314.20	315.25	317.59	315.61	318.75
G 40.0	265.73	267.91	265.90	266.85	267.15	269.31	266.50
G 45.0	220.13	221.60	219.64	220.97	221.64	220.99	224.49
G 50.0	179.01	180.02	178.29	178.58	180.21	182.25	178.60
G 55.0	140.72	142.44	140.70	142.13	142.59	141.42	144.19
G 60.0	107.13	108.91	107.36	108.32	108.15	110.74	107.66
G 65.0	78.41	79.77	79.26	79.89	79.58	78.95	80.61
G 70.0	53.29	54.30	53.08	54.14	54.48	55.63	53.32
G 75.0	31.40	32.43	32.37	32.71	32.28	32.04	33.25
G 80.0	17.17	17.17	16.71	17.28	17.03	17.96	16.43
G 85.0	6.92	7.23	7.44	7.31	7.23	6.97	7.70
G 90.0	1.01	1.09	1.10	1.11	1.05	1.03	1.01

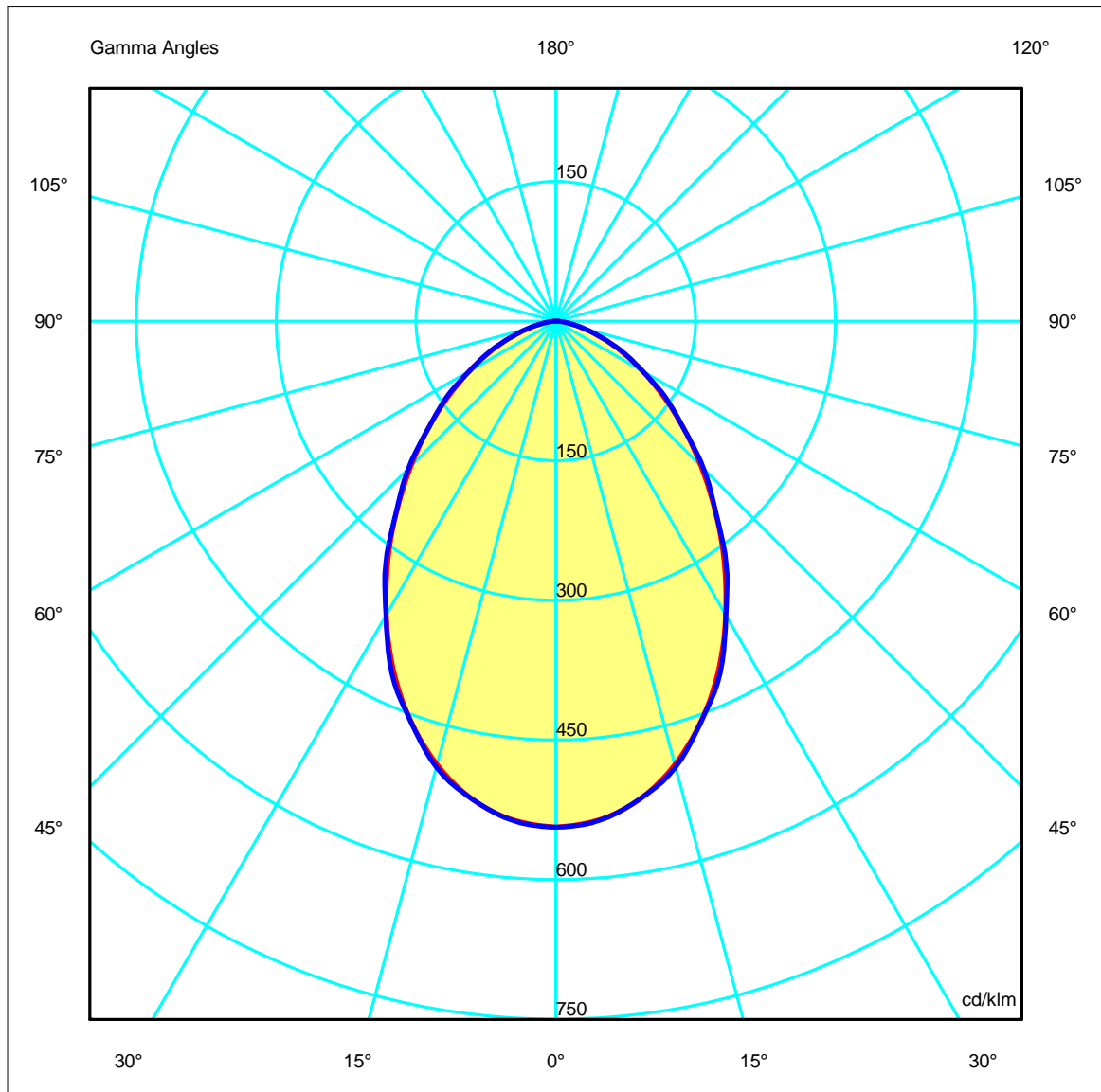
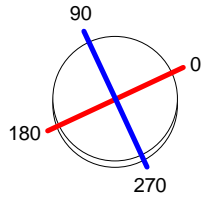
Luminaire
 Code DE-0272-NEG
 Name Pie led 7W 3000K
Measurement.
 Code CL116A17F083G
 Name Pie led 7W 3000K

Luminaire Flux	325.73 lm	Luminaire Power	6.13 W	Efficacy	53.14 lm/W	Efficiency	100.00%
Lamps Flux	325.73 lm	Maximum value	543.64 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=98mm

C Halfplanes

180.0 ——— 0.0
 270.0 ——— 90.0



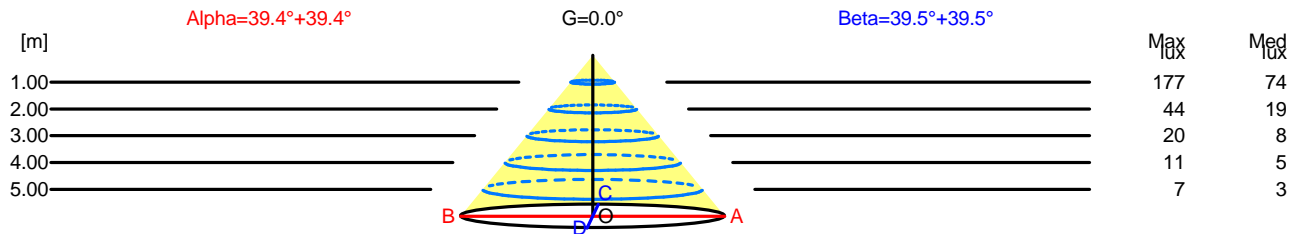
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Lamps Flux	325.73 lm	Maximum value	543.64 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.82	1.64	2.46	3.28	4.10	OC	0.82	1.65	2.47	3.29	4.12
OB	0.82	1.64	2.46	3.28	4.10	OD	0.82	1.65	2.47	3.29	4.12

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	177.08	175.02	160.55	134.55	102.46	71.70	45.84	25.54	10.23	2.25
OB	177.08	175.02	160.55	134.55	102.46	71.70	45.84	25.54	10.23	2.25
OC	177.08	175.31	161.55	135.88	103.83	73.12	46.97	26.26	10.83	2.51
OD	177.08	175.31	161.55	135.88	103.83	73.12	46.97	26.26	10.83	2.51



H[m]	D[m]	Max lux	Med lux	Alpha=39.4°+39.4°	G=0.0	
1.00	1.64	177	74			
2.00	3.28	44	19			
3.00	4.92	20	8			
4.00	6.56	11	5			
5.00	8.20	7	3			

H[m]	D[m]	Max lux	Med lux	Beta=39.5°+39.5°	G=0.0	
1.00	1.65	177	74			
2.00	3.29	44	19			
3.00	4.94	20	8			
4.00	6.59	11	5			
5.00	8.23	7	3			



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Lamps Flux	325.73 lm	Maximum value	543.64 cd/klm	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	22.0	23.1	22.3	23.3	23.6	22.0	23.2	22.3	23.4	23.6
x=2H y=3H	22.9	24.0	23.2	24.2	24.5	23.0	24.0	23.3	24.3	24.5
x=2H y=4H	23.2	24.2	23.5	24.5	24.8	23.3	24.3	23.6	24.5	24.8
x=2H y=6H	23.4	24.3	23.7	24.6	24.9	23.5	24.4	23.8	24.6	24.9
x=2H y=8H	23.4	24.3	23.8	24.6	25.0	23.5	24.3	23.8	24.6	25.0
x=2H y=12H	23.5	24.3	23.8	24.6	25.0	23.5	24.3	23.9	24.7	25.0
x=4H y=2H	22.5	23.5	22.8	23.7	24.1	22.5	23.5	22.9	23.8	24.1
x=4H y=3H	23.6	24.4	24.0	24.7	25.1	23.6	24.5	24.0	24.8	25.1
x=4H y=4H	24.0	24.7	24.4	25.0	25.4	24.0	24.7	24.4	25.1	25.4
x=4H y=6H	24.2	24.9	24.7	25.2	25.7	24.3	24.9	24.7	25.3	25.7
x=4H y=8H	24.3	24.9	24.7	25.3	25.7	24.4	24.9	24.8	25.3	25.7
x=4H y=12H	24.4	24.9	24.8	25.3	25.8	24.4	24.9	24.9	25.3	25.8
x=8H y=4H	24.1	24.7	24.6	25.1	25.6	24.2	24.8	24.6	25.1	25.6
x=8H y=6H	24.5	24.9	24.9	25.4	25.9	24.5	25.0	25.0	25.4	25.9
x=8H y=8H	24.6	25.0	25.1	25.4	26.0	24.7	25.1	25.1	25.5	26.0
x=8H y=12H	24.7	25.0	25.2	25.5	26.1	24.7	25.1	25.2	25.6	26.1
x=12H y=4H	24.1	24.7	24.6	25.1	25.5	24.2	24.7	24.6	25.1	25.5
x=12H y=6H	24.5	24.9	25.0	25.3	25.9	24.5	24.9	25.0	25.4	25.9
x=12H y=8H	24.6	25.0	25.1	25.4	26.0	24.7	25.0	25.2	25.5	26.0

Luminaire

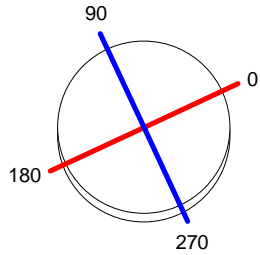
Code DE-0272-NEG
 Name Pie led 7W 3000K

Measurement

Code CL116A17F083G
 Name Pie led 7W 3000K

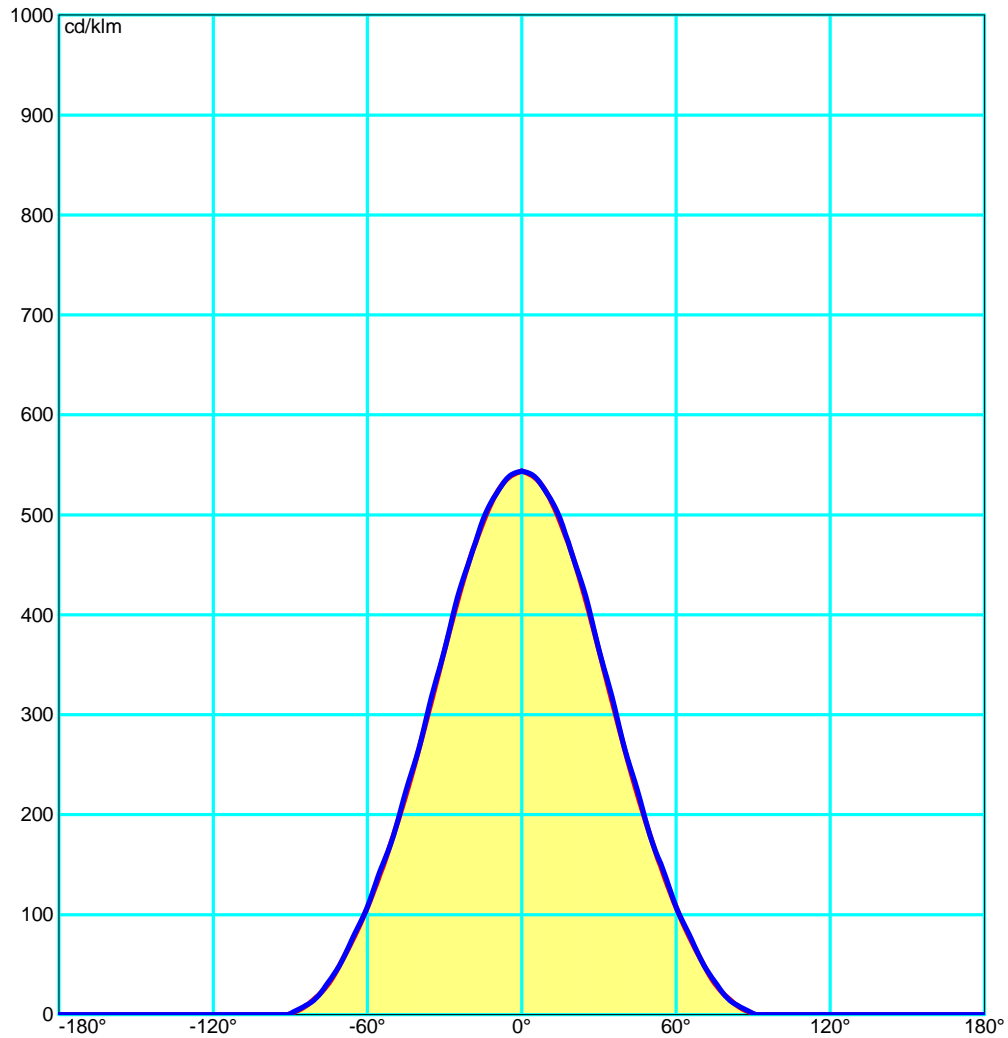
Luminaire Flux	325.73 lm	Luminaire Power	6.13 W	Efficacy	53.14 lm/W	Efficiency	100.00%
Lamps Flux	325.73 lm	Maximum value	543.64 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=98mm



C Halfplanes

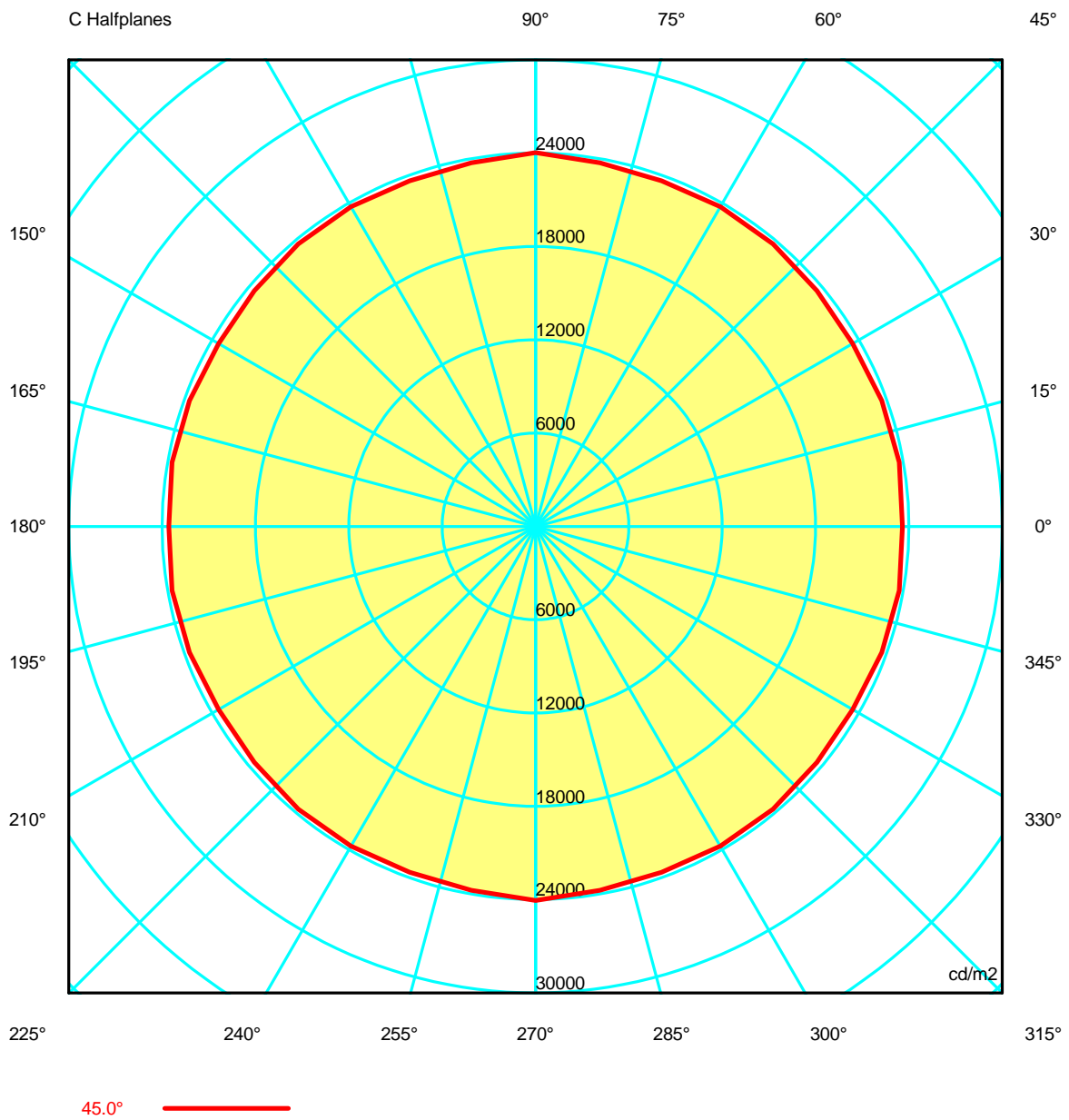
180.0 ———— 0.0
 270.0 ———— 90.0



Luminaire
 Code DE-0272-NEG
 Name Pie led 7W 3000K
Measurement
 Code CL116A17F083G
 Name Pie led 7W 3000K

Luminaire Flux	325.73 lm	Luminaire Power	6.13 W	Efficacy	53.14 lm/W	Efficiency	100.00%
Lamps Flux	325.73 lm	Maximum value	543.64 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance





Luminaire

Code DE-0272-NEG
Name Pie led 7W 3000K

Measurerm.

Code CL116A17F083G
Name Pie led 7W 3000K

Luminaire Flux	325.73 lm	Luminaire Power	6.13 W	Efficacy	53.14 lm/W	Efficiency	100.00%
Lamps Flux	325.73 lm	Maximum value	543.64 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	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31
G 5.0	40849.03	40844.29	40824.02	40816.24	40862.88	40892.09	40867.89	40827.83	40841.54	40916.99	40841.54	40827.83	40867.89
G 10.0	40054.60	40031.96	40010.67	40007.68	40037.00	40042.11	40018.05	40015.53	40031.02	40052.55	40031.02	40015.53	40018.05
G 15.0	38647.06	38615.19	38609.69	38627.51	38648.31	38694.83	38707.12	38612.57	38651.71	38887.52	38651.71	38612.57	38707.12
G 20.0	36793.46	36758.89	36737.32	36748.22	36798.24	36820.06	36794.97	36768.14	36770.43	36801.08	36770.43	36768.14	36794.97
G 25.0	34519.27	34508.97	34507.37	34501.47	34488.29	34579.65	34661.92	34521.69	34545.87	34861.08	34545.87	34521.69	34661.92
G 30.0	31855.13	31892.07	31889.15	31881.94	31935.84	31943.58	31902.40	31916.92	31930.42	31910.10	31930.42	31916.92	31902.40
G 35.0	29081.60	29240.55	29202.06	29049.75	29070.49	29247.09	29363.13	29228.23	29219.79	29470.64	29219.79	29228.23	29363.13
G 40.0	26272.20	26465.14	26433.83	26289.10	26341.63	26389.33	26411.77	26579.62	26588.59	26348.25	26588.59	26579.62	26411.77
G 45.0	23577.36	23728.60	23673.42	23525.39	23595.28	23721.64	23739.32	23663.55	23748.18	24044.77	23748.18	23663.55	23739.32
G 50.0	21091.39	21209.21	21155.97	21006.67	21003.24	21086.77	21232.66	21443.47	21397.24	21043.58	21397.24	21443.47	21232.66
G 55.0	18581.36	18789.58	18742.29	18578.31	18677.49	18830.18	18828.07	18692.88	18740.10	19039.19	18740.10	18692.88	18828.07
G 60.0	16228.03	16470.53	16430.67	16261.75	16359.39	16399.19	16381.24	16681.28	16717.66	16306.97	16717.66	16681.28	16381.24
G 65.0	14052.02	14253.33	14276.27	14203.43	14274.04	14328.46	14260.86	14153.61	14207.65	14446.28	14207.65	14153.61	14260.86
G 70.0	11801.46	12013.27	11938.79	11754.99	11896.79	12019.65	12063.56	12277.66	12231.00	11806.64	12231.00	12277.66	12063.56
G 75.0	9188.02	9424.74	9498.63	9473.59	9546.45	9557.22	9447.14	9357.89	9453.50	9728.80	9453.50	9357.89	9447.14
G 80.0	7488.81	7526.14	7422.51	7287.05	7472.45	7498.36	7429.52	7743.90	7733.99	7167.76	7733.99	7743.90	7429.52
G 85.0	6013.58	6193.29	6369.39	6464.07	6394.52	6339.94	6278.63	6074.40	6179.91	6694.69	6179.91	6074.40	6278.63
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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Name Pie led 7W 3000K

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Lamps Flux	325.73 lm	Maximum value	543.64 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31
G 5.0	40892.09	40862.88	40816.24	40824.02	40844.29	40849.03	40844.29	40824.02	40816.24	40862.88	40892.09	40867.89	40827.83
G 10.0	40042.11	40037.00	40007.68	40010.67	40031.96	40054.60	40031.96	40010.67	40007.68	40037.00	40042.11	40018.05	40015.53
G 15.0	38694.83	38648.31	38627.51	38609.69	38615.19	38647.06	38615.19	38609.69	38627.51	38648.31	38694.83	38707.12	38612.57
G 20.0	36820.06	36798.24	36748.22	36737.32	36758.89	36793.46	36758.89	36737.32	36748.22	36798.24	36820.06	36794.97	36768.14
G 25.0	34579.65	34488.29	34501.47	34507.37	34508.97	34519.27	34508.97	34507.37	34501.47	34488.29	34579.65	34661.92	34521.69
G 30.0	31943.58	31935.84	31881.94	31889.15	31892.07	31855.13	31892.07	31889.15	31881.94	31935.84	31943.58	31902.40	31916.92
G 35.0	29247.09	29070.49	29049.75	29202.06	29240.55	29081.60	29240.55	29202.06	29049.75	29070.49	29247.09	29363.13	29228.23
G 40.0	26389.33	26341.63	26289.10	26433.83	26465.14	26272.20	26465.14	26433.83	26289.10	26341.63	26389.33	26411.77	26579.62
G 45.0	23721.64	23595.28	23525.39	23673.42	23728.60	23577.36	23728.60	23673.42	23525.39	23595.28	23721.64	23739.32	23663.55
G 50.0	21086.77	21003.24	21006.67	21155.97	21209.21	21091.39	21209.21	21155.97	21006.67	21003.24	21086.77	21232.66	21443.47
G 55.0	18830.18	18677.49	18578.31	18742.29	18789.58	18581.36	18789.58	18742.29	18578.31	18677.49	18830.18	18828.07	18692.88
G 60.0	16399.19	16359.39	16261.75	16430.67	16470.53	16228.03	16470.53	16430.67	16261.75	16359.39	16399.19	16381.24	16681.28
G 65.0	14328.46	14274.04	14203.43	14276.27	14253.33	14052.02	14253.33	14276.27	14203.43	14274.04	14328.46	14260.86	14153.61
G 70.0	12019.65	11896.79	11754.99	11938.79	12013.27	11801.46	12013.27	11938.79	11754.99	11896.79	12019.65	12063.56	12277.66
G 75.0	9557.22	9546.45	9473.59	9498.63	9424.74	9188.02	9424.74	9498.63	9473.59	9546.45	9557.22	9447.14	9357.89
G 80.0	7498.36	7472.45	7287.05	7422.51	7526.14	7488.81	7526.14	7422.51	7287.05	7472.45	7498.36	7429.52	7743.90
G 85.0	6339.94	6394.52	6464.07	6369.39	6193.29	6013.58	6193.29	6369.39	6464.07	6394.52	6339.94	6278.63	6074.40
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

Code DE-0272-NEG
Name Pie led 7W 3000K

Measur.

Code CL116A17F083G
Name Pie led 7W 3000K

Luminaire Flux	325.73 lm	Luminaire Power	6.13 W	Efficacy	53.14 lm/W	Efficiency	100.00%
Lamps Flux	325.73 lm	Maximum value	543.64 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance cd/m2 Table 3/3

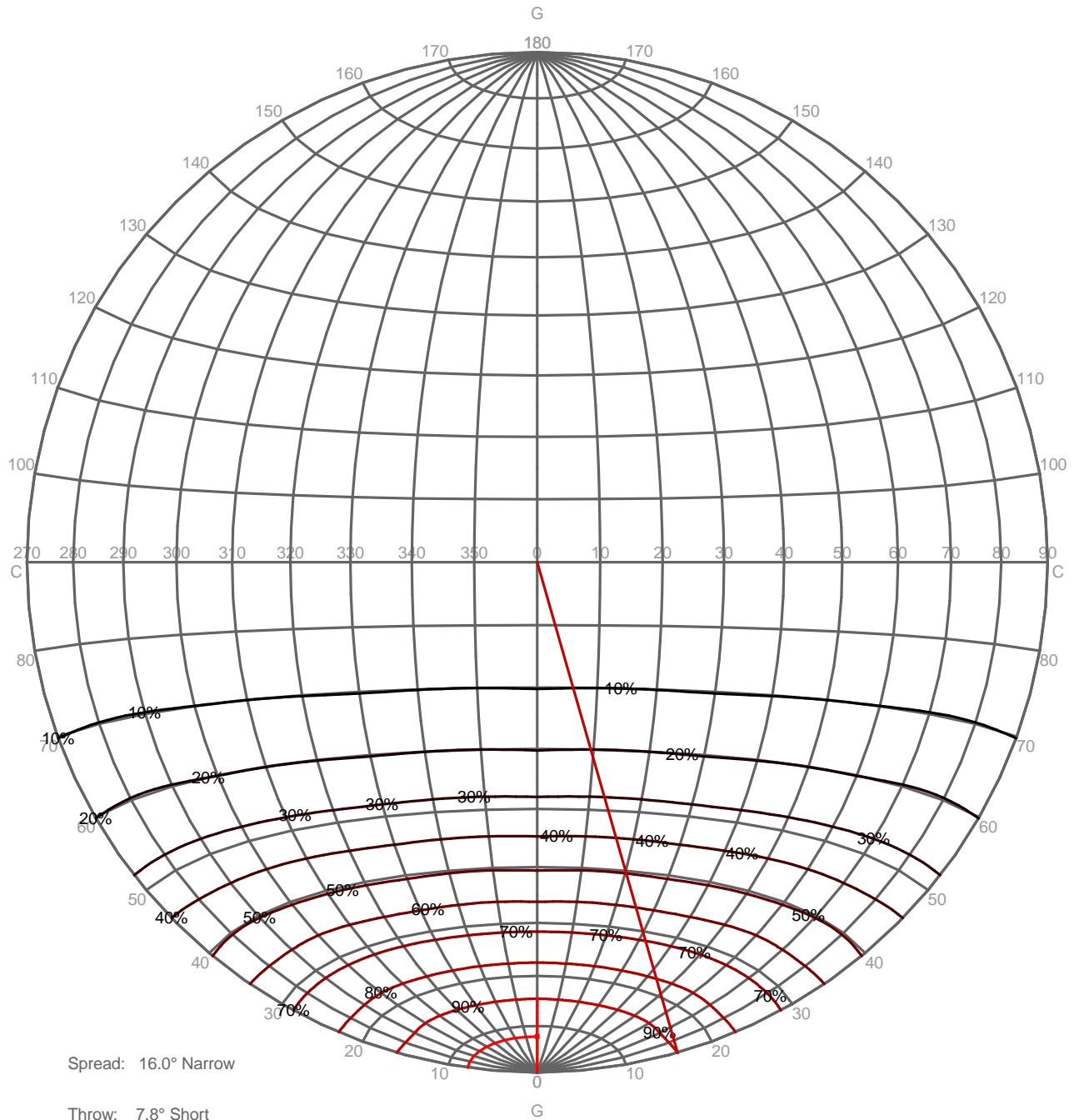
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31	41173.31
G 5.0	40841.54	40916.99	40841.54	40827.83	40867.89	40892.09	40862.88	40816.24	40824.02	40844.29
G 10.0	40031.02	40052.55	40031.02	40015.53	40018.05	40042.11	40037.00	40007.68	40010.67	40031.96
G 15.0	38651.71	38887.52	38651.71	38612.57	38707.12	38694.83	38648.31	38627.51	38609.69	38615.19
G 20.0	36770.43	36801.08	36770.43	36768.14	36794.97	36820.06	36798.24	36748.22	36737.32	36758.89
G 25.0	34545.87	34861.08	34545.87	34521.69	34661.92	34579.65	34488.29	34501.47	34507.37	34508.97
G 30.0	31930.42	31910.10	31930.42	31916.92	31902.40	31943.58	31935.84	31881.94	31889.15	31892.07
G 35.0	29219.79	29470.64	29219.79	29228.23	29363.13	29247.09	29070.49	29049.75	29202.06	29240.55
G 40.0	26588.59	26348.25	26588.59	26579.62	26411.77	26389.33	26341.63	26289.10	26433.83	26465.14
G 45.0	23748.18	24044.77	23748.18	23663.55	23739.32	23721.64	23595.28	23525.39	23673.42	23728.60
G 50.0	21397.24	21043.58	21397.24	21443.47	21232.66	21086.77	21003.24	21006.67	21155.97	21209.21
G 55.0	18740.10	19039.19	18740.10	18692.88	18828.07	18830.18	18677.49	18578.31	18742.29	18789.58
G 60.0	16717.66	16306.97	16717.66	16681.28	16381.24	16399.19	16359.39	16261.75	16430.67	16470.53
G 65.0	14207.65	14446.28	14207.65	14153.61	14260.86	14328.46	14274.04	14203.43	14276.27	14253.33
G 70.0	12231.00	11806.64	12231.00	12277.66	12063.56	12019.65	11896.79	11754.99	11938.79	12013.27
G 75.0	9453.50	9728.80	9453.50	9357.89	9447.14	9557.22	9546.45	9473.59	9498.63	9424.74
G 80.0	7733.99	7167.76	7733.99	7743.90	7429.52	7498.36	7472.45	7287.05	7422.51	7526.14
G 85.0	6179.91	6694.69	6179.91	6074.40	6278.63	6339.94	6394.52	6464.07	6369.39	6193.29
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 DE-0272-NEG
 Name Pie led 7W 3000K
Measurement
 Code CL116A17F083G
 Name Pie led 7W 3000K

Luminaire Flux	325.73 lm	Luminaire Power	6.13 W	Efficacy	53.14 lm/W	Efficiency	100.00%
Lamps Flux	325.73 lm	Maximum value	543.64 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

PERCENTAGE ISOCANDLES

Projection: Equal Area SLI 8.6 Tight Tilting Angle:0°

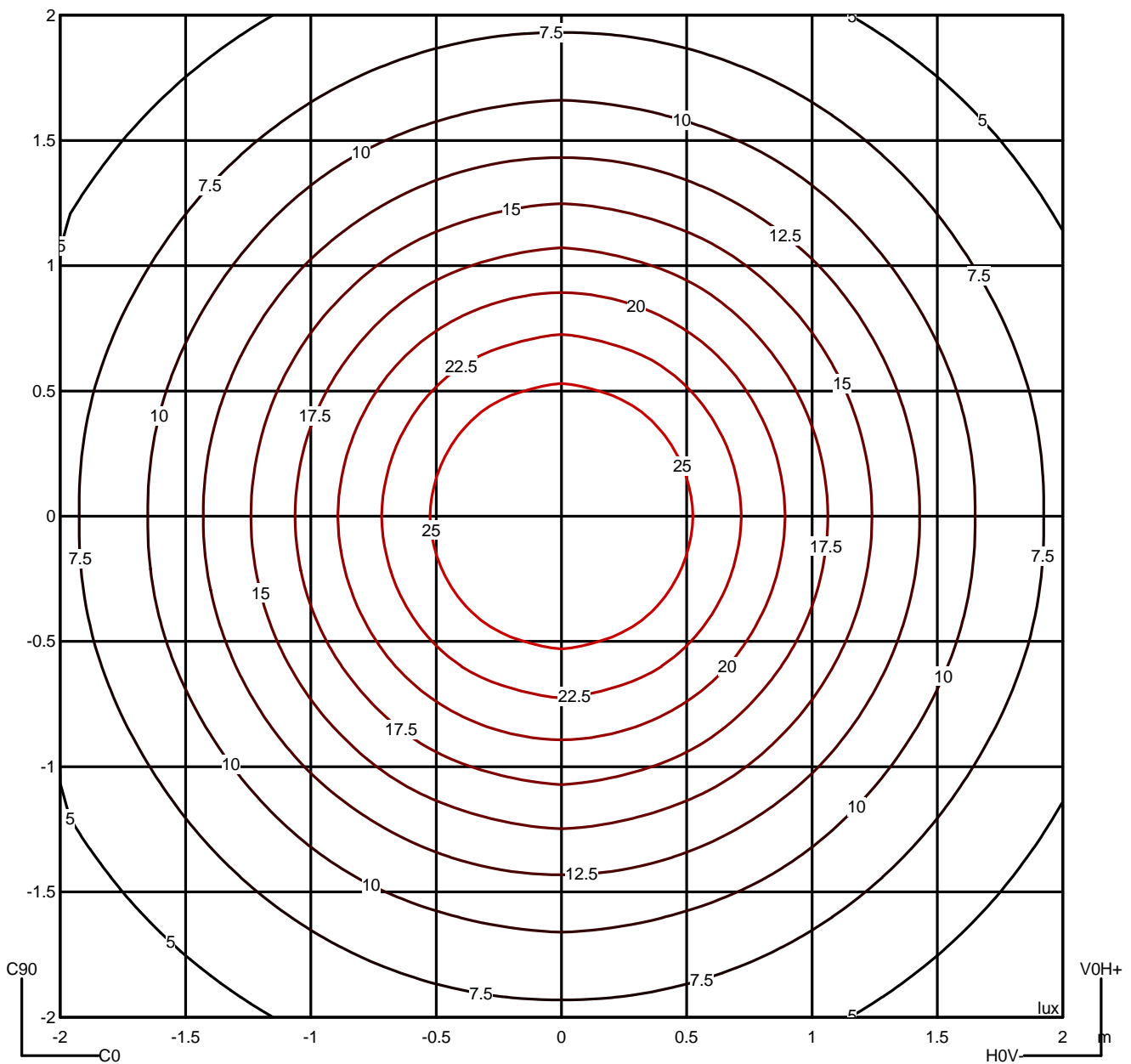


Luminaire
 Code DE-0272-NEG
 Name Pie led 7W 3000K
Measur.
 Code CL116A17F083G
 Name Pie led 7W 3000K

Luminaire Flux	325.73 lm	Luminaire Power	6.13 W	Efficacy	53.14 lm/W	Efficiency	100.00%
Lamps Flux	325.73 lm	Maximum value	543.64 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

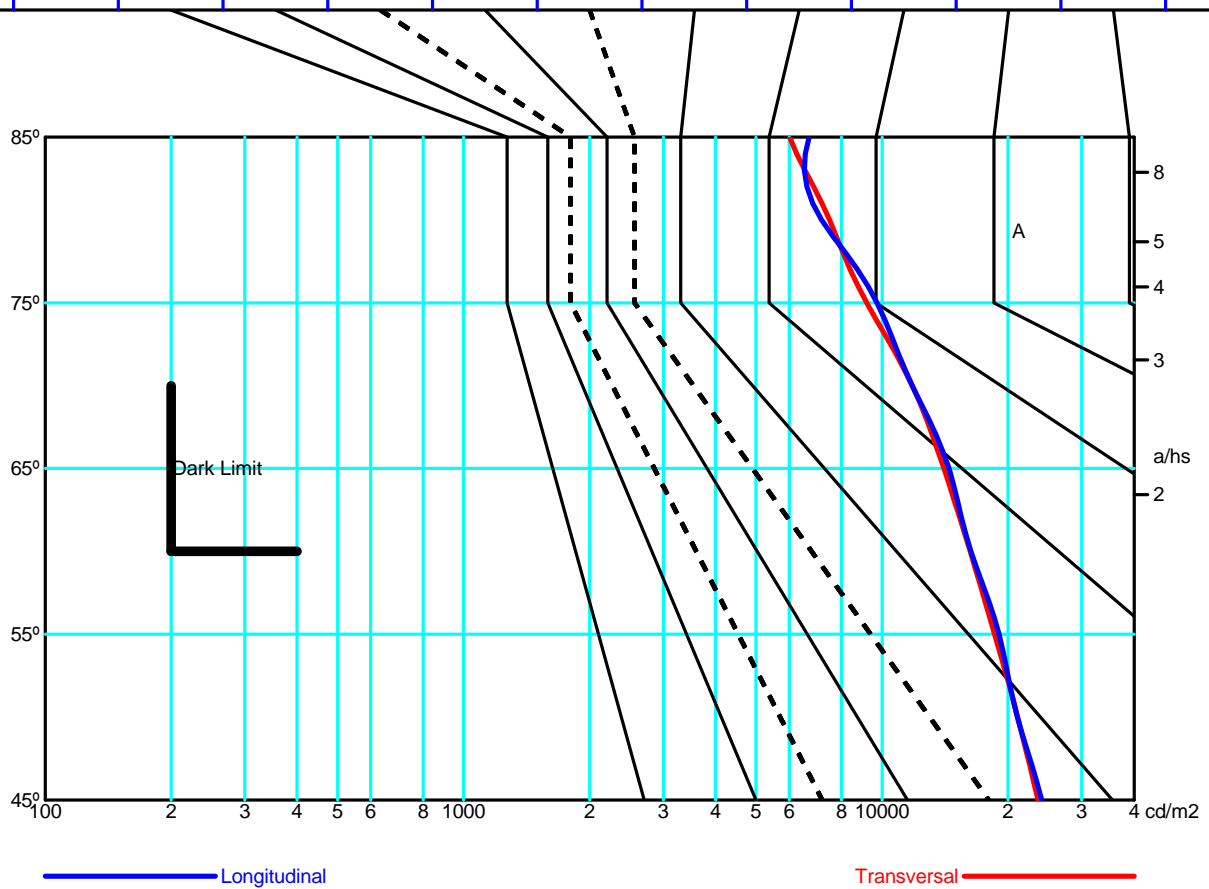


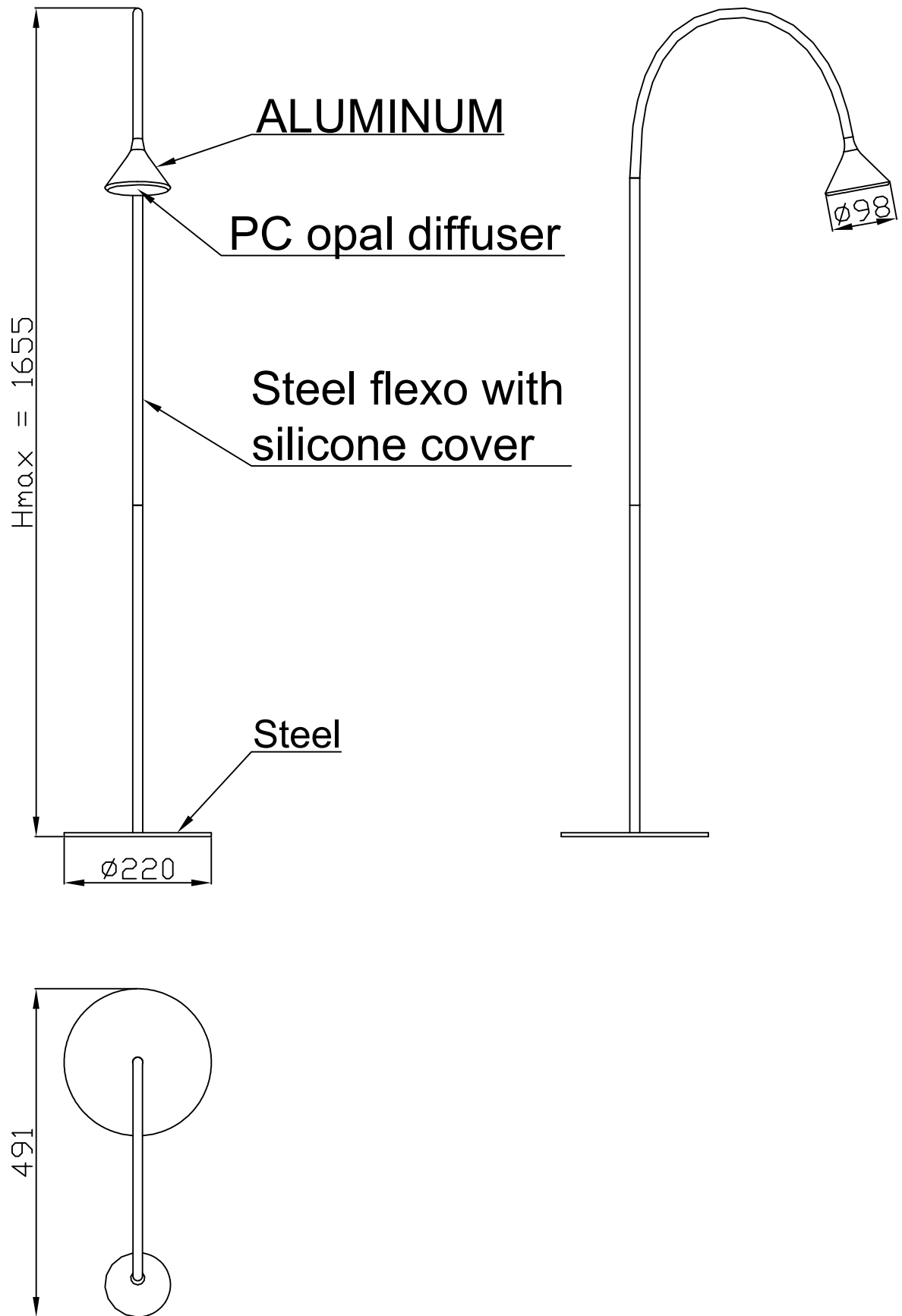
Luminaire
 Code DE-0272-NEG
 Name Pie led 7W 3000K
Measur.
 Code CL116A17F083G
 Name Pie led 7W 3000K

Luminaire Flux	325.73 lm	Luminaire Power	6.13 W	Efficacy	53.14 lm/W	Efficiency	100.00%
Lamps Flux	325.73 lm	Maximum value	543.64 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°	23577	21091	18581	16228	14052	11801	9188	7489	6014	---	
90.0°	24045	21044	19039	16307	14446	11807	9729	7168	6695	---	

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







Ding
DE-0272

FOR
LIGHT

