

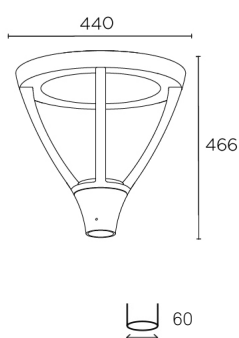


Proud Symmetrical Head

Leds C4 Team

60-9996-Z5-CM

Testa PROUD con LED 4000K di 76,7W, per illuminazione simmetrica



CARATTERISTICHE TECNICHE

IP66 IK10



Potenza (w) : 83.5W

Consumo totale della lampada (W) : 93.5W

Lumen reali : 6328

Lm/W reali : 68

Temperatura di colore correlata (CCT) : Bianco neutro - 4000K

Angolo de l'ottica / Riflettore : HORIZONTAL 124°

Materiale della struttura : Alluminio

Finitura struttura : Grigio urbano

Materiale del diffusore : Policarbonato

Finitura diffusore : Semi trasparente

Dispositivo incluso : Sì, elettronico

Voltaggio / Frequenza : 100-240V/50-60Hz

Garanzia : 5 Anni

Vita utile : 50.000h L80B20

Temperatura max : 50°C

Seaside : No

Efficienza energetica : LED A++

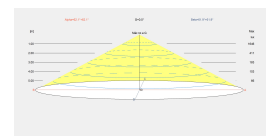
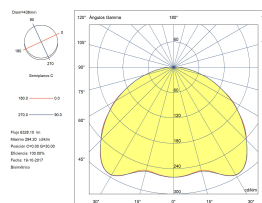
CARATTERISTICHE ILLUMINOTECNICHE

Fonte di illuminazione: LED
EDISON

CRI: 80

MacAdam steps: 3

Rischio fotobiologico: RG0



LOGISTICA

Peso netto (Kg): 6.59

Peso imballato (kg): 7.99

Imballaggio: 480mm x 480mm x 530mm



1 Un





81-E000-Z5-Z5

Colonna conica di 3,5 m in finitura Z5

Materiale della struttura: Acciaio
Misure: 300 x 3500 x 300

71-E213-48-48

Bulloni di fissaggio al suolo

Materiale della struttura: Acciaio
Misure: 300 x 400 x 300

Luminaire

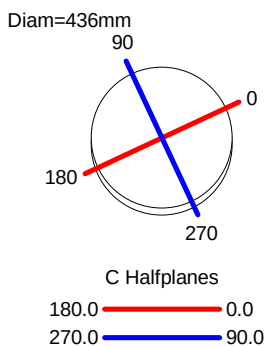
Code 60-9996-Z5-CM
Name CABEZAL PROUD

Measurem.

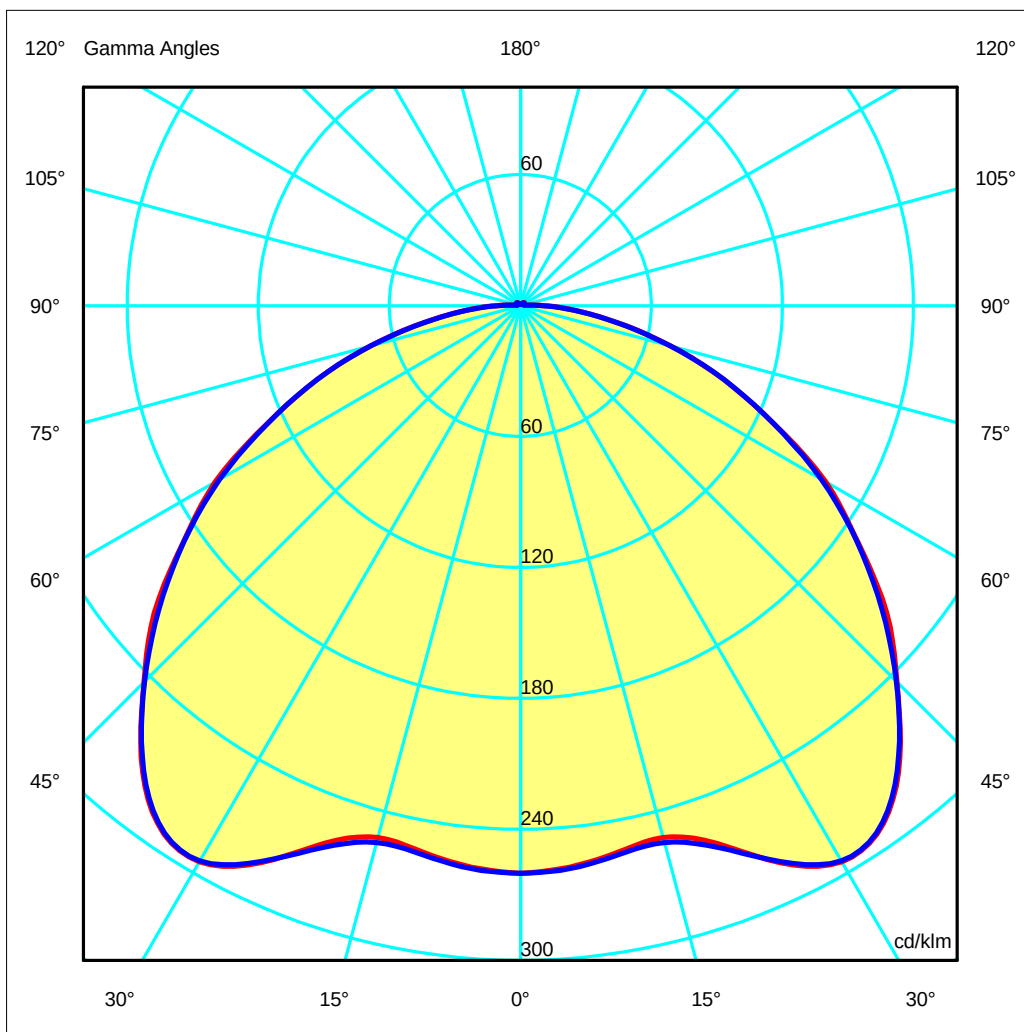
Code CL116A17F347G
Name CABEZAL PROUD

Luminaire Flux	6328.10 lm	Luminaire Power	92.28 W	Efficacy	68.57 lm/W	Efficiency	100.00%
Lamps Flux	6328.10 lm	Maximum value	294.20 cd/klm	Position	C=0.00 G=30.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	436 mm 305 mm	Height Height	105 mm 20 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°		0.073062 m2 0.006100 m2 0.006100 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.006100 m2 0.006100 m2 0.023594 m2	
Coordinate system Date Measurement Distance		CG 19-10-2017 0.00		Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 180 6328.10 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
		60-9996-Z5-CM	Name 60-9996-Z5-CM		6328.10	92.28	1
C.I.E.	43 76 94 98 100		D DIN 5040		A31		
F UTE	0.98 E + 0.02 T		B NBN		BZ 5		



ULOR 1.77 %
DLOR 98.23 %
RN 1.77 %



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Lamps Flux	6328.10 lm	Maximum value	294.20 cd/klm	Position	C=0.00 G=30.00	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	260.06	260.06	260.06	260.06	260.06	260.06	260.06
G 5.0	258.22	258.15	258.36	258.24	258.64	258.38	258.93
G 10.0	254.45	254.13	254.31	254.41	254.95	255.27	255.57
G 15.0	252.33	252.15	253.45	254.17	254.77	254.30	254.70
G 20.0	262.15	262.70	261.65	261.64	262.65	264.48	264.16
G 25.0	281.63	274.84	267.34	265.80	267.98	275.74	280.97
G 30.0	294.20	283.66	269.03	265.30	268.99	283.48	293.73
G 35.0	289.67	284.64	267.00	259.69	266.08	284.04	289.13
G 40.0	270.22	268.66	255.94	248.16	254.59	267.94	269.43
G 45.0	243.79	243.64	235.79	227.95	234.62	243.20	243.38
G 50.0	218.89	216.91	213.09	206.32	211.69	216.28	216.10
G 55.0	188.37	188.74	186.88	181.64	186.30	188.94	187.87
G 60.0	161.27	159.86	160.05	156.28	158.99	160.08	158.94
G 65.0	128.12	130.72	130.83	127.48	130.28	129.69	127.85
G 70.0	99.04	101.43	101.70	99.40	102.26	101.50	99.26
G 75.0	71.03	74.13	74.73	71.53	74.36	73.08	70.63
G 80.0	45.13	47.61	48.45	46.41	49.03	47.76	44.86
G 85.0	25.37	28.42	29.14	26.53	29.04	27.84	24.79
G 90.0	11.03	13.71	13.96	12.59	14.66	14.20	10.20
G 95.0	2.22	4.84	5.62	3.84	5.70	5.26	2.18
G100.0	1.52	3.74	3.68	3.30	3.90	4.10	1.47
G105.0	1.68	3.42	3.27	3.38	3.38	3.60	1.60
G110.0	1.81	3.09	2.79	3.16	2.81	3.16	1.69
G115.0	1.98	2.81	2.42	2.92	2.37	2.76	1.83
G120.0	2.12	2.55	2.20	2.69	2.21	2.47	1.96
G125.0	2.24	2.38	2.19	2.48	2.22	2.28	2.05
G130.0	2.21	2.19	2.21	2.34	2.24	2.13	2.02
G135.0	1.77	1.92	2.09	2.13	2.10	1.86	1.71
G140.0	1.23	1.43	1.74	1.82	1.76	1.44	1.25
G145.0	0.87	0.95	1.16	1.19	1.14	0.94	0.90
G150.0	0.70	0.72	0.75	0.78	0.75	0.72	0.70
G155.0	0.68	0.67	0.67	0.68	0.67	0.67	0.67
G160.0	0.70	0.69	0.69	0.69	0.69	0.69	0.69
G165.0	0.71	0.71	0.71	0.71	0.71	0.71	0.71
G170.0	0.73	0.73	0.73	0.73	0.73	0.73	0.72
G175.0	0.74	0.74	0.74	0.74	0.74	0.74	0.73
G180.0	0.74	0.74	0.74	0.74	0.74	0.74	0.74

Luminaire

Code 60-9996-Z5-CM
Name CABEZAL PROUD

Measurerm.

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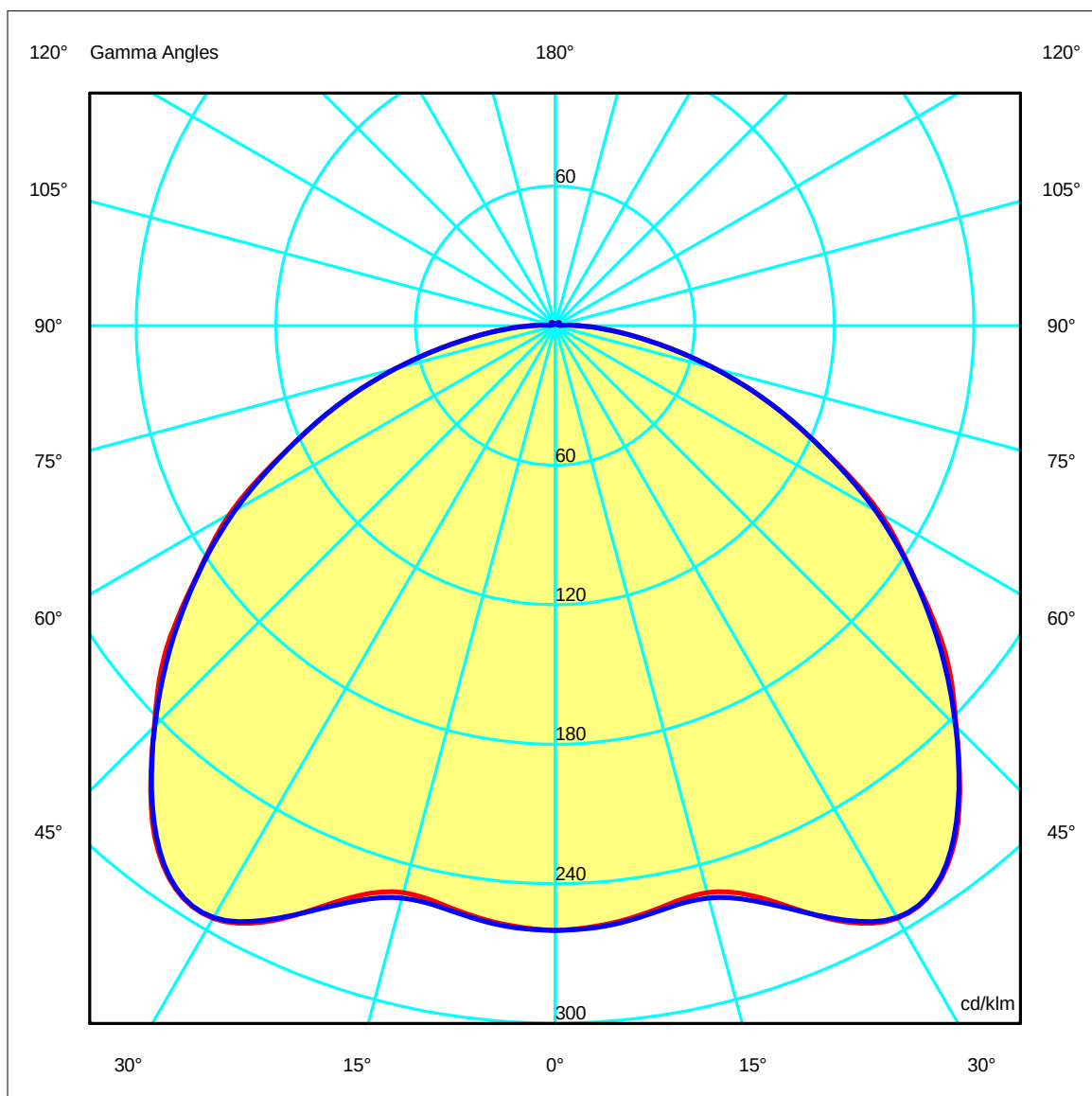
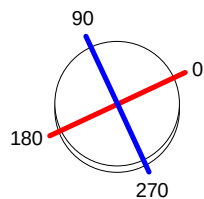
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Lamps Flux	6328.10 lm	Maximum value	294.20 cd/klm	Position	C=0.00 G=30.00	CG	Double Symmetrical

Diam=436mm

C Halfplanes

180.0 — 0.0

270.0 — 90.0



Luminaire

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Measurment

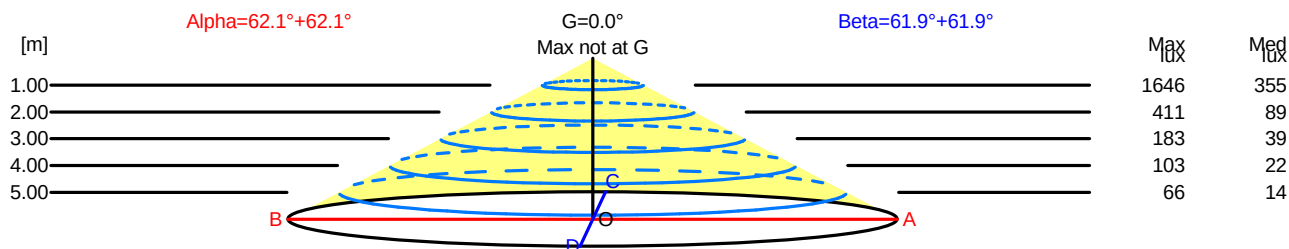
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Lamps Flux	6328.10 lm	Maximum value	294.20 cd/klm	Position	C=0.00 G=30.00	CG	Double Symmetrical

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	1.89	3.79	5.68	7.57	9.46	OC	1.87	3.74	5.61	7.48	9.35
OB	1.89	3.79	5.68	7.57	9.46	OD	1.87	3.74	5.61	7.48	9.35

	0	5	15	25	35	45	55	65	75	85
OA	1645.69	1634.05	1596.77	1782.21	1833.08	1542.75	1191.99	810.78	449.49	160.52
OB	1645.69	1634.05	1596.77	1782.21	1833.08	1542.75	1191.99	810.78	449.49	160.52
OC	1645.69	1638.55	1611.78	1777.99	1829.64	1540.14	1188.83	809.04	446.97	156.89
OD	1645.69	1638.55	1611.78	1777.99	1829.64	1540.14	1188.83	809.04	446.97	156.89



H[m]	D[m]	Max lux	Med lux	Alpha=62.1°+62.1°	G=0.0° Max not at G
1.00	3.79	1646	355		
2.00	7.57	411	89		
3.00	11.36	183	39		
4.00	15.14	103	22		
5.00	18.93	66	14		

H[m]	D[m]	Max lux	Med lux	Beta=61.9°+61.9°	G=0.0° Max not at G
1.00	3.74	1646	355		
2.00	7.48	411	89		
3.00	11.22	183	39		
4.00	14.96	103	22		
5.00	18.70	66	14		

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Lamps Flux	6328.10 lm	Maximum value	294.20 cd/klm	Position	C=0.00 G=30.00	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	23.7	25.1	24.1	25.4	25.7	23.7	25.1	24.1	25.4	25.7
x=2H y=3H	25.3	26.5	25.7	26.8	27.2	25.3	26.5	25.6	26.8	27.1
x=2H y=4H	25.9	27.1	26.3	27.4	27.8	25.9	27.1	26.3	27.4	27.7
x=2H y=6H	26.4	27.5	26.8	27.8	28.2	26.4	27.4	26.7	27.8	28.1
x=2H y=8H	26.5	27.6	27.0	28.0	28.3	26.5	27.6	26.9	27.9	28.3
x=2H y=12H	26.7	27.7	27.1	28.0	28.4	26.6	27.6	27.0	28.0	28.4
x=4H y=2H	24.5	25.6	24.8	26.0	26.3	24.5	25.6	24.8	26.0	26.3
x=4H y=3H	26.2	27.2	26.6	27.6	28.0	26.2	27.2	26.6	27.6	28.0
x=4H y=4H	27.0	27.9	27.4	28.3	28.7	27.0	27.9	27.4	28.3	28.7
x=4H y=6H	27.6	28.4	28.0	28.8	29.2	27.6	28.3	28.0	28.7	29.2
x=4H y=8H	27.8	28.5	28.3	29.0	29.4	27.8	28.5	28.2	28.9	29.4
x=4H y=12H	28.0	28.6	28.5	29.1	29.6	27.9	28.6	28.4	29.1	29.5
x=8H y=4H	27.3	28.0	27.8	28.5	28.9	27.3	28.0	27.8	28.5	28.9
x=8H y=6H	28.1	28.7	28.6	29.1	29.6	28.0	28.6	28.5	29.1	29.6
x=8H y=8H	28.4	28.9	28.9	29.4	29.9	28.4	28.9	28.9	29.4	29.9
x=8H y=12H	28.7	29.1	29.2	29.6	30.2	28.6	29.1	29.2	29.6	30.1
x=12H y=4H	27.4	28.0	27.8	28.5	28.9	27.3	28.0	27.8	28.4	28.9
x=12H y=6H	28.1	28.7	28.7	29.2	29.7	28.1	28.7	28.6	29.1	29.6
x=12H y=8H	28.5	29.0	29.0	29.5	30.0	28.5	28.9	29.0	29.4	30.0

Luminaire

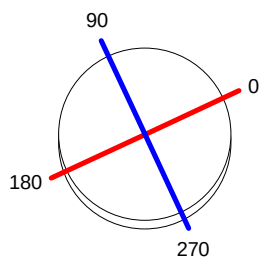
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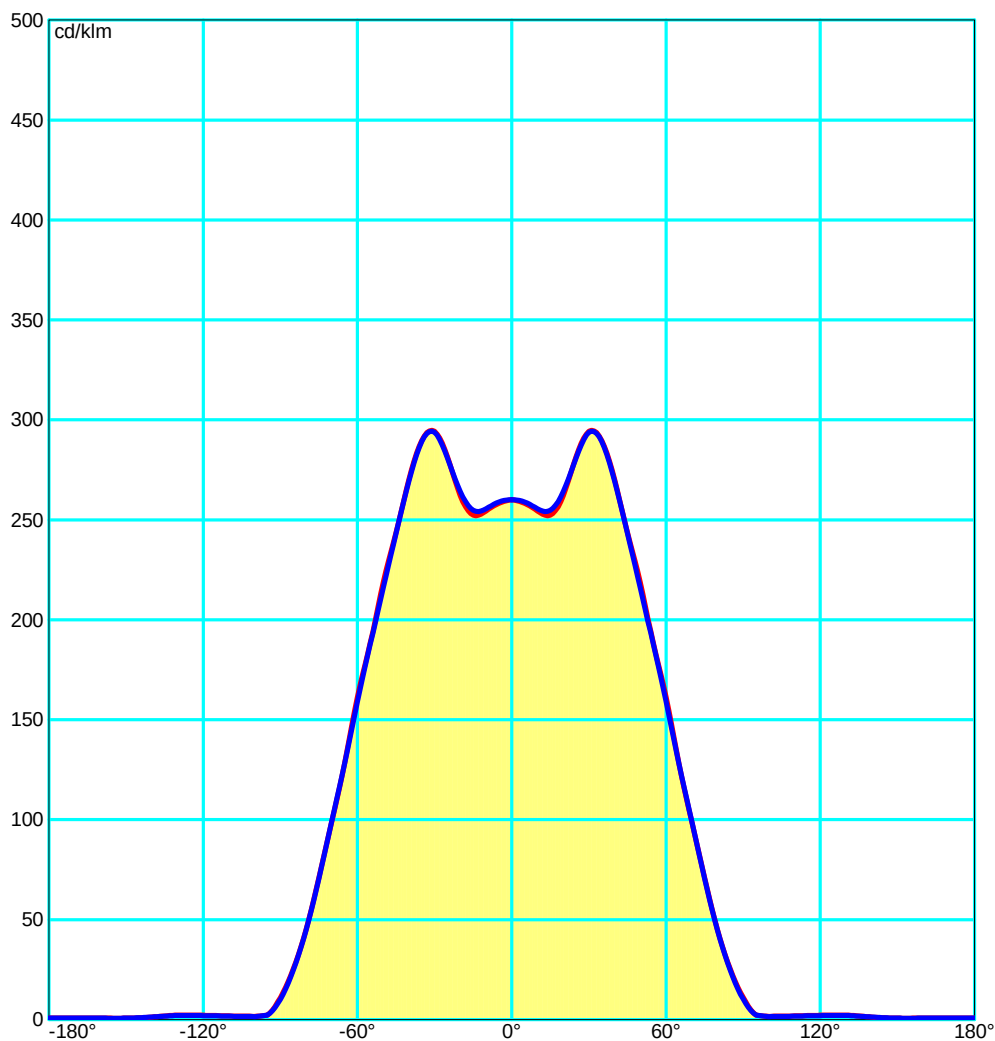
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Lamps Flux	6328.10 lm	Maximum value	294.20 cd/klm	Position	C=0.00 G=30.00	CG	Double Symmetrical

Diam=436mm



C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



Luminaire

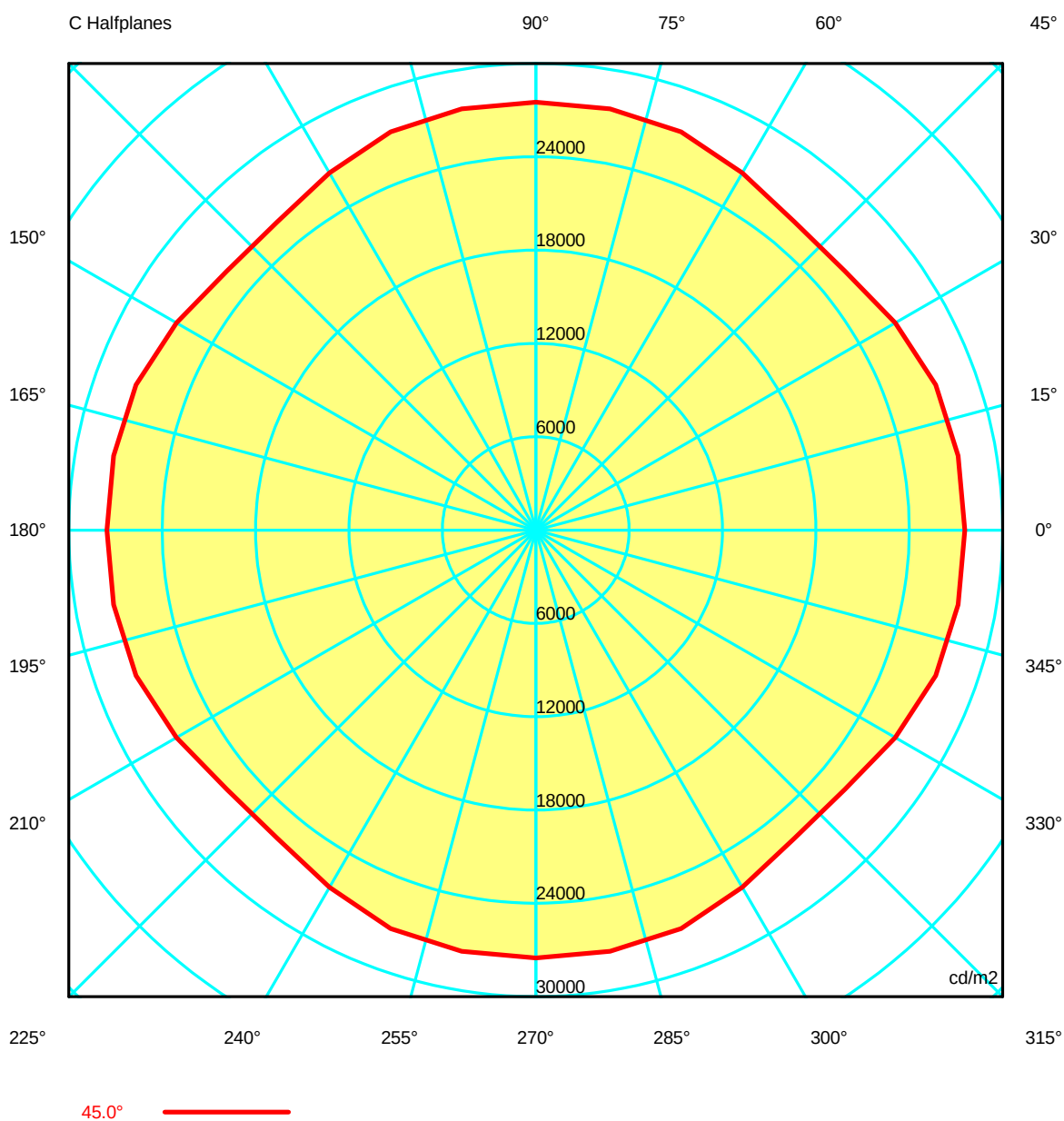
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Luminance



Luminaire

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Lamps Flux	6328.10 lm	Maximum value	294.20 cd/klm	Position	C=0.00 G=30.00	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	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61
G 5.0	22287.93	22280.07	22288.63	22300.20	22289.74	22300.76	22324.09	22308.09	22308.95	22349.25	22308.95	22308.09	22324.09
G 10.0	22054.02	22030.46	22029.05	22042.12	22045.29	22063.75	22097.36	22117.46	22132.68	22150.85	22132.68	22117.46	22097.36
G 15.0	22130.85	22106.27	22146.33	22228.81	22274.35	22315.45	22344.86	22317.04	22305.20	22338.84	22305.20	22317.04	22344.86
G 20.0	23450.09	23499.21	23474.69	23405.39	23392.47	23422.93	23494.87	23615.31	23669.18	23629.52	23669.18	23615.31	23494.87
G 25.0	25906.30	25509.14	25027.29	24591.74	24449.44	24468.08	24649.89	25117.42	25560.18	25844.94	25560.18	25117.42	24649.89
G 30.0	28070.48	27463.39	26575.29	25668.71	25332.80	25332.30	25665.44	26564.22	27437.81	28025.49	27437.81	26564.22	25665.44
G 35.0	28936.85	28746.88	27899.75	26672.14	26026.63	25985.66	26580.22	27824.65	28694.63	28882.48	28694.63	27824.65	26580.22
G 40.0	28552.56	28442.14	28019.65	27043.54	26346.42	26280.90	26901.02	27916.15	28363.49	28468.29	28363.49	27916.15	26901.02
G 45.0	27560.92	27549.44	27339.54	26656.41	25925.40	25862.94	26524.30	27256.43	27500.26	27514.22	27500.26	27256.43	26524.30
G 50.0	26825.33	26666.10	26488.86	26114.92	25455.17	25369.92	25943.32	26393.68	26542.16	26483.33	26542.16	26393.68	25943.32
G 55.0	25413.78	25455.94	25453.04	25213.97	24648.60	24603.70	25134.95	25450.34	25475.67	25346.39	25475.67	25450.34	25134.95
G 60.0	24406.63	24217.42	24203.26	24222.48	23793.28	23700.01	24061.24	24230.20	24187.88	24054.15	24187.88	24230.20	24061.24
G 65.0	22270.54	22589.12	22815.52	22740.91	22279.24	22250.57	22645.39	22647.48	22433.85	22222.86	22433.85	22647.48	22645.39
G 70.0	20401.67	20749.96	20995.96	20947.97	20551.97	20610.92	21064.70	21045.12	20755.04	20446.32	20755.04	21045.12	21064.70
G 75.0	18123.31	18675.17	19100.05	19067.42	18416.43	18398.18	18973.68	18868.26	18427.68	18021.44	18427.68	18868.26	18973.68
G 80.0	15277.77	15851.49	16340.07	16400.79	15829.83	15921.46	16595.55	16457.72	15847.07	15186.45	15847.07	16457.72	16595.55
G 85.0	12898.71	13984.85	14812.06	14816.48	13756.11	13760.35	14767.68	14590.22	13661.55	12607.08	13661.55	14590.22	14767.68
G 90.0	11447.44	13474.74	14668.37	14484.97	13259.92	13551.43	15205.97	15387.95	13615.03	10584.11	13615.03	15387.95	15205.97

Luminaire

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Measurment

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Lamps Flux	6328.10 lm	Maximum value	294.20 cd/klm	Position	C=0.00 G=30.00	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	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61
G 5.0	22300.76	22289.74	22300.20	22288.63	22280.07	22287.93	22280.07	22288.63	22300.20	22289.74	22300.76	22324.09	22308.09
G 10.0	22063.75	22045.29	22042.12	22029.05	22030.46	22054.02	22030.46	22029.05	22042.12	22045.29	22063.75	22097.36	22117.46
G 15.0	22315.45	22274.35	22228.81	22146.33	22106.27	22130.85	22106.27	22146.33	22228.81	22274.35	22315.45	22344.86	22317.04
G 20.0	23422.93	23392.47	23405.39	23474.69	23499.21	23450.09	23499.21	23474.69	23405.39	23392.47	23422.93	23494.87	23615.31
G 25.0	24468.08	24449.44	24591.74	25027.29	25509.14	25906.30	25509.14	25027.29	24591.74	24449.44	24468.08	24649.89	25117.42
G 30.0	25332.30	25332.80	25668.71	26575.29	27463.39	28070.48	27463.39	26575.29	25668.71	25332.80	25332.30	25665.44	26564.22
G 35.0	25985.66	26026.63	26672.14	27899.75	28746.88	28936.85	28746.88	27899.75	26672.14	26026.63	25985.66	26580.22	27824.65
G 40.0	26280.90	26346.42	27043.54	28019.65	28442.14	28552.56	28442.14	28019.65	27043.54	26346.42	26280.90	26901.02	27916.15
G 45.0	25862.94	25925.40	26656.41	27339.54	27549.44	27560.92	27549.44	27339.54	26656.41	25925.40	25862.94	26524.30	27256.43
G 50.0	25369.92	25455.17	26114.92	26488.86	26666.10	26825.33	26666.10	26488.86	26114.92	25455.17	25369.92	25943.32	26393.68
G 55.0	24603.70	24648.60	25213.97	25453.04	25455.94	25413.78	25455.94	25453.04	25213.97	24648.60	24603.70	25134.95	25450.34
G 60.0	23700.01	23793.28	24222.48	24203.26	24217.42	24406.63	24217.42	24203.26	24222.48	23793.28	23700.01	24061.24	24230.20
G 65.0	22250.57	22279.24	22740.91	22815.52	22589.12	22270.54	22589.12	22815.52	22740.91	22279.24	22250.57	22645.39	22647.48
G 70.0	20610.92	20551.97	20947.97	20995.96	20749.96	20401.67	20749.96	20995.96	20947.97	20551.97	20610.92	21064.70	21045.12
G 75.0	18398.18	18416.43	19067.42	19100.05	18675.17	18123.31	18675.17	19100.05	19067.42	18416.43	18398.18	18973.68	18868.26
G 80.0	15921.46	15829.83	16400.79	16340.07	15851.49	15277.77	15851.49	16340.07	16400.79	15829.83	15921.46	16595.55	16457.72
G 85.0	13760.35	13756.11	14816.48	14812.06	13984.85	12898.71	13984.85	14812.06	14816.48	13756.11	13760.35	14767.68	14590.22
G 90.0	13551.43	13259.92	14484.97	14668.37	13474.74	11447.44	13474.74	14668.37	14484.97	13259.92	13551.43	15205.97	15387.95

Luminaire

Code 60-9996-Z5-CM
Name CABEZAL PROUD

Measurem.

Code CL116A17F347G
Name CABEZAL PROUD

Luminaire Flux	6328.10 lm	Luminaire Power	92.28 W	Efficacy	68.57 lm/W	Efficiency	100.00%
Lamps Flux	6328.10 lm	Maximum value	294.20 cd/klm	Position	C=0.00 G=30.00	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	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61	22524.61
G 5.0	22308.95	22349.25	22308.95	22308.09	22324.09	22300.76	22289.74	22300.20	22288.63	22280.07
G 10.0	22132.68	22150.85	22132.68	22117.46	22097.36	22063.75	22045.29	22042.12	22029.05	22030.46
G 15.0	22305.20	22338.84	22305.20	22317.04	22344.86	22315.45	22274.35	22228.81	22146.33	22106.27
G 20.0	23669.18	23629.52	23669.18	23615.31	23494.87	23422.93	23392.47	23405.39	23474.69	23499.21
G 25.0	25560.18	25844.94	25560.18	25117.42	24649.89	24468.08	24449.44	24591.74	25027.29	25509.14
G 30.0	27437.81	28025.49	27437.81	26564.22	25665.44	25332.30	25332.80	25668.71	26575.29	27463.39
G 35.0	28694.63	28882.48	28694.63	27824.65	26580.22	25985.66	26026.63	26672.14	27899.75	28746.88
G 40.0	28363.49	28468.29	28363.49	27916.15	26901.02	26280.90	26346.42	27043.54	28019.65	28442.14
G 45.0	27500.26	27514.22	27500.26	27256.43	26524.30	25862.94	25925.40	26656.41	27339.54	27549.44
G 50.0	26542.16	26483.33	26542.16	26393.68	25943.32	25369.92	25455.17	26114.92	26488.86	26666.10
G 55.0	25475.67	25346.39	25475.67	25450.34	25134.95	24603.70	24648.60	25213.97	25453.04	25455.94
G 60.0	24187.88	24054.15	24187.88	24230.20	24061.24	23700.01	23793.28	24222.48	24203.26	24217.42
G 65.0	22433.85	22222.86	22433.85	22647.48	22645.39	22250.57	22279.24	22740.91	22815.52	22589.12
G 70.0	20755.04	20446.32	20755.04	21045.12	21064.70	20610.92	20551.97	20947.97	20995.96	20749.96
G 75.0	18427.68	18021.44	18427.68	18868.26	18973.68	18398.18	18416.43	19067.42	19100.05	18675.17
G 80.0	15847.07	15186.45	15847.07	16457.72	16595.55	15921.46	15829.83	16400.79	16340.07	15851.49
G 85.0	13661.55	12607.08	13661.55	14590.22	14767.68	13760.35	13756.11	14816.48	14812.06	13984.85
G 90.0	13615.03	10584.11	13615.03	15387.95	15205.97	13551.43	13259.92	14484.97	14668.37	13474.74

Luminaire

Code 60-9996-Z5-CM
Name CABEZAL PROUD

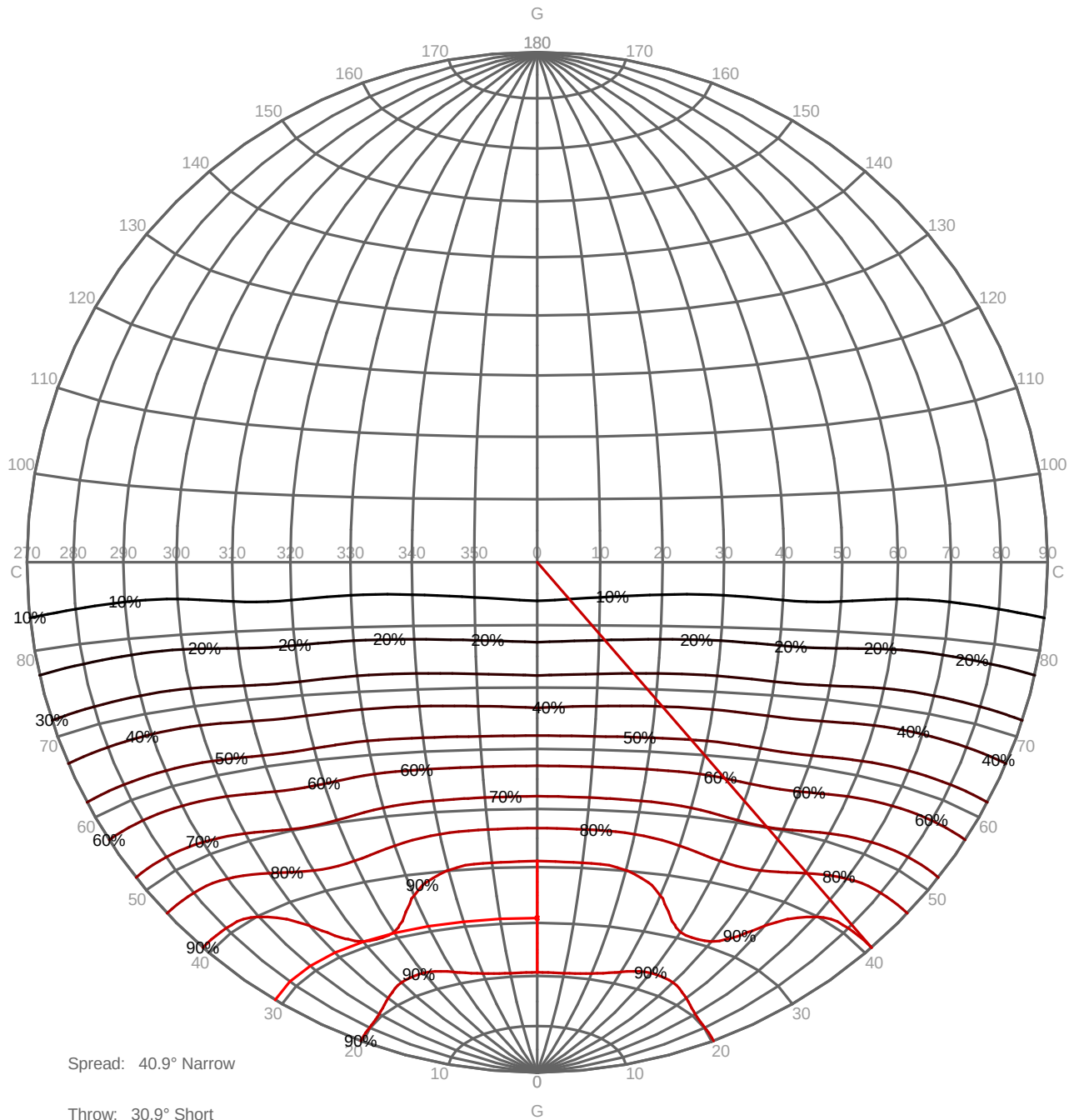
Measurem.

Code CL116A17F347G
Name CABEZAL PROUD

Luminaire Flux	6328.10 lm	Luminaire Power	92.28 W	Efficacy	68.57 lm/W	Efficiency	100.00%
Lamps Flux	6328.10 lm	Maximum value	294.20 cd/klm	Position	C=0.00 G=30.00	CG	Double Symmetrical

PERCENTAGE ISOCANDLES

Projection: SLI 4.4 Tight Tilting Angle:0°



Luminaire

Code 60-9996-Z5-CM
Name CABEZAL PROUD

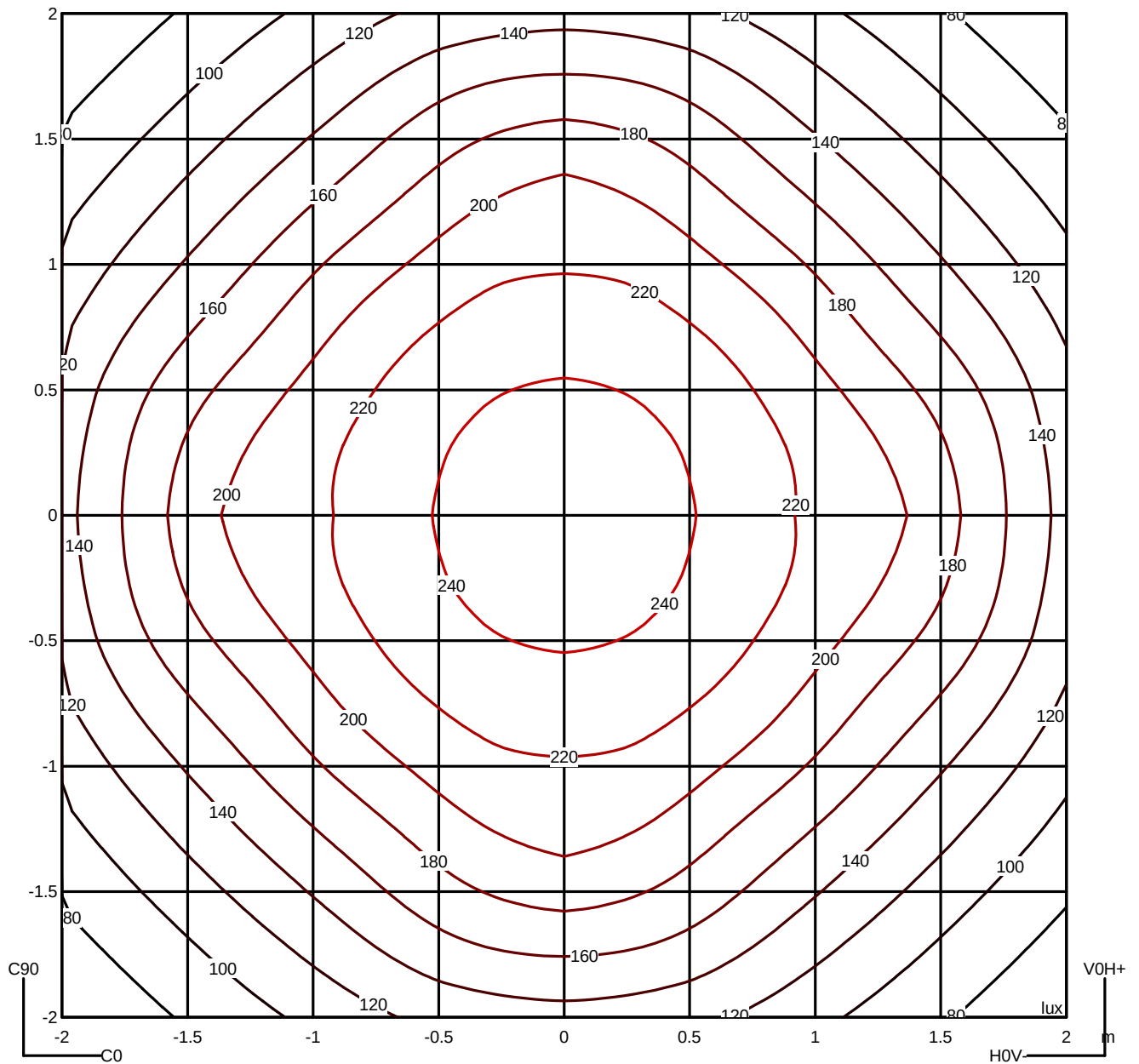
Measur.

Code CL116A17F347G
Name CABEZAL PROUD

Luminaire Flux	6328.10 lm	Luminaire Power	92.28 W	Efficacy	68.57 lm/W	Efficiency	100.00%
Lamps Flux	6328.10 lm	Maximum value	294.20 cd/klm	Position	C=0.00 G=30.00	CG	Double Symmetrical

Isolux (Floor)

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



Luminaire

Code 60-9996-Z5-CM
Name CABEZAL PROUD

Measurment

Code CL116A17F347G
Name CABEZAL PROUD

Luminaire Flux	6328.10 lm	Luminaire Power	92.28 W	Efficacy	68.57 lm/W	Efficiency	100.00%
Lamps Flux	6328.10 lm	Maximum value	294.20 cd/klm	Position	C=0.00 G=30.00	CG	Double Symmetrical

Average Luminance [cd/m²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
27561	27514	26825	25414	24407	22271	20402	18123	15278	12899	---
90.0°		26483	25346	24054	22223	20446	18021	15186	12607	---

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

