

Luminaire

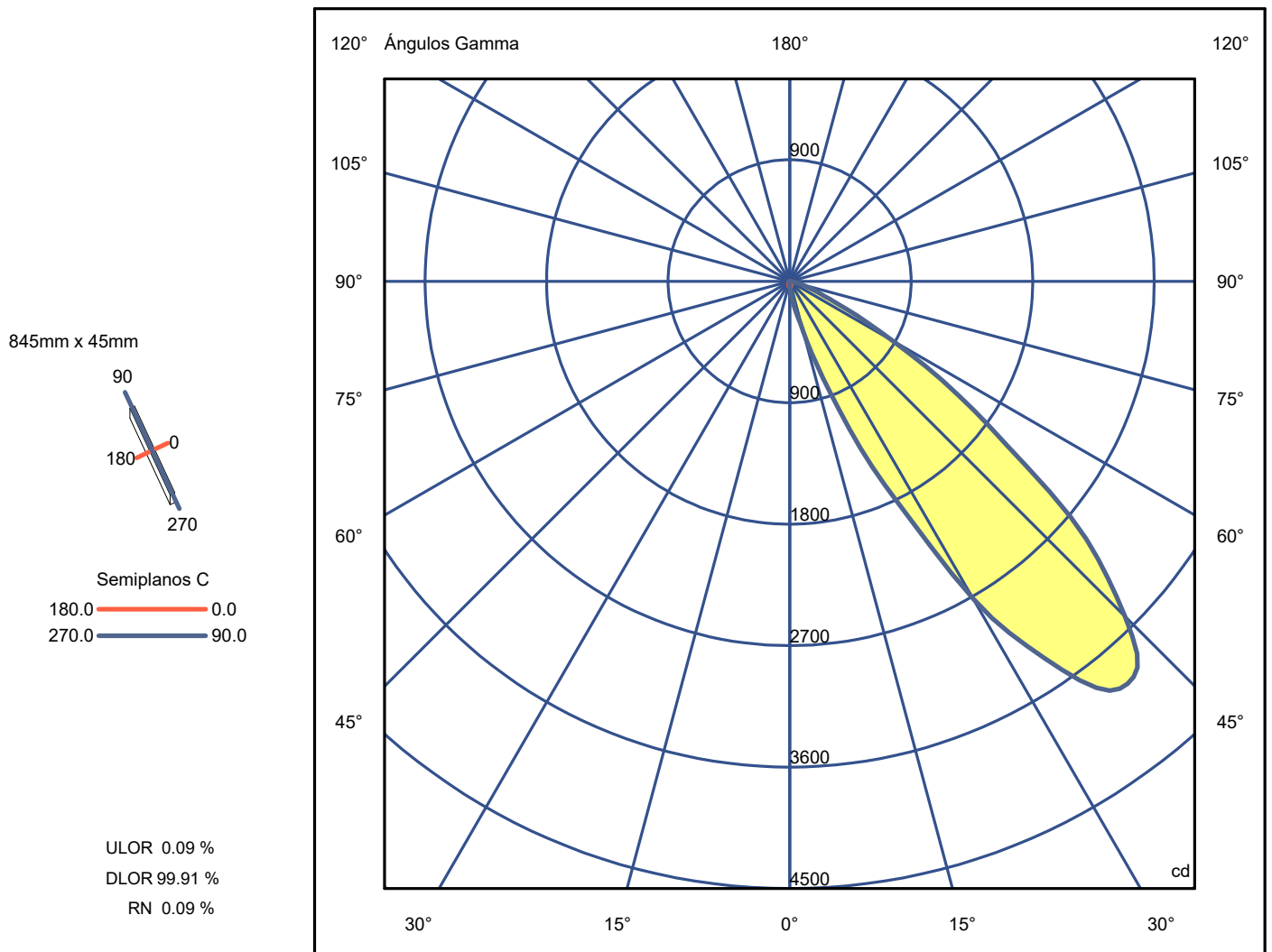
Code 4521
Name PALO ALTO 4521 CON UGR

Measurem.

Code CL252A21F032GE2
Name PALO ALTO 4521 CON UGR

Luminaire Flux	982.17 lm	Luminaire Power	14.00 W	Efficacy	70.15 lm/W	Efficiency	100.00%
Sources Flux	982.17 lm	Maximum value	3890.99 cd	Position	C=90.00 G=40.00	CG	Asymmetrical
Rectangular Luminaire Rectangular Luminous Area	Length Length	845 mm 530 mm	Width Width	45 mm 20 mm	Height Height	45 mm 0 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.010600 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 0.002564 m2			
Coordinate system Date Measurement Distance	CG 22-10-2021 6.44		Symmetry Type Maximum Gamma Angle Measurement Flux	Asymmetrical 180 982.17 lm			
Operator Temperature Humidity Notes	Asselum T2 25.10 °C 53.10 %		Rated Voltage Rated Current Photocell	23.92 V 0.59 A Prc			

Luminaire Sources					
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	5751931	MODULO LED 2700K IP65	982.17	14.00	1
C.I.E. F UTE	50 94 99 100 100 1.00 E	D DIN 5040 B NBN	A30 BZ 4 / 2 / BZ 3		



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Luminaire Flux		982.17 lm		Luminaire Power		14.00 W		Efficacy		70.15 lm/W		Efficiency		100.00%	
Sources Flux		982.17 lm		Maximum value		3890.99 cd		Position		C=90.00 G=40.00		CG Asymmetrical			
Luminous Intensity Table cd Table 1/2															
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00	C 180.00		
G 0.0	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92
G 2.5	38.60	42.57	46.86	51.05	54.61	57.00	57.80	57.02	54.62	51.04	46.78	42.38	38.33	38.33	38.33
G 5.0	39.48	48.56	59.76	71.69	81.94	88.36	90.45	88.36	81.97	71.80	59.85	48.34	38.96	38.96	38.96
G 7.5	39.32	54.34	74.27	95.38	112.34	123.25	126.85	123.25	112.30	95.35	74.44	54.18	38.60	38.60	38.60
G 10.0	37.43	57.49	86.26	119.28	152.19	177.26	185.55	177.27	152.21	119.23	86.34	57.41	36.69	36.69	36.69
G 12.5	33.92	56.54	93.56	145.60	208.40	255.46	264.93	255.47	208.41	145.60	93.54	56.50	33.36	33.36	33.36
G 15.0	29.46	52.28	97.11	172.55	279.24	364.39	379.89	364.39	279.24	172.55	97.07	52.25	29.20	29.20	29.20
G 17.5	24.50	46.20	98.50	197.77	355.96	549.36	605.70	549.37	355.95	197.75	98.49	46.19	24.49	24.49	24.49
G 20.0	19.36	39.31	99.07	219.04	432.97	776.05	877.46	776.05	432.94	219.04	99.08	39.32	19.45	19.45	19.45
G 22.5	14.33	31.91	98.37	239.33	523.61	1041.62	1262.56	1041.62	523.60	239.37	98.40	31.94	14.40	14.40	14.40
G 25.0	9.86	24.12	93.52	258.04	660.94	1351.73	1664.53	1351.73	661.02	258.09	93.56	24.12	9.68	9.68	9.68
G 27.5	6.40	16.88	82.16	266.10	806.16	1679.62	2108.38	1679.61	806.25	266.08	82.16	16.82	5.71	5.71	5.71
G 30.0	4.10	11.50	64.08	251.91	888.64	2025.61	2716.51	2025.71	888.57	251.74	64.02	11.42	3.39	3.39	3.39
G 32.5	2.73	8.19	44.31	222.73	909.02	2397.85	3144.96	2397.91	908.94	222.55	44.26	8.19	2.62	2.62	2.62
G 35.0	2.03	6.12	28.25	192.31	910.87	2619.17	3510.79	2618.70	910.93	192.50	28.22	6.19	2.12	2.12	2.12
G 37.5	1.67	4.55	20.71	166.50	895.43	2741.56	3816.81	2743.05	895.58	167.19	20.71	4.55	1.60	1.60	1.60
G 40.0	1.36	3.33	16.30	141.17	845.06	2743.23	3890.99	2737.78	844.41	141.72	16.30	3.32	1.23	1.23	1.23
G 42.5	1.12	2.66	11.23	113.83	752.08	2648.21	3816.81	2642.80	749.83	113.00	11.29	2.77	0.99	0.99	0.99
G 45.0	0.98	2.45	8.48	83.98	634.85	2410.60	3510.79	2412.77	631.33	81.22	8.47	2.54	0.94	0.94	0.94
G 47.5	0.91	2.31	6.69	54.57	523.49	2018.36	3144.96	2018.31	517.97	51.70	6.91	2.32	0.92	0.92	0.92
G 50.0	0.88	1.99	6.11	32.35	415.07	1693.83	2716.51	1693.55	414.27	32.18	6.08	2.03	0.88	0.88	0.88
G 52.5	0.87	1.72	5.15	24.72	316.22	1368.98	2108.38	1368.99	317.40	23.66	5.27	1.74	0.87	0.87	0.87
G 55.0	0.84	1.59	4.38	17.49	229.36	1063.80	1664.53	1063.80	230.15	17.21	4.36	1.59	0.85	0.85	0.85
G 57.5	0.81	1.50	3.59	12.00	156.13	778.98	1262.56	779.02	156.43	11.72	3.54	1.46	0.79	0.79	0.79
G 60.0	0.76	1.39	2.95	9.02	104.17	532.92	877.46	532.92	104.15	9.05	2.93	1.36	0.73	0.73	0.73
G 62.5	0.70	1.27	2.56	7.30	73.37	375.07	605.70	375.10	73.18	7.27	2.52	1.25	0.67	0.67	0.67
G 65.0	0.62	1.13	2.20	7.76	52.97	267.14	379.89	267.15	52.87	7.70	2.13	1.12	0.61	0.61	0.61
G 67.5	0.56	1.00	1.88	6.49	36.56	189.44	264.93	190.34	36.55	6.48	1.79	0.98	0.56	0.56	0.56
G 70.0	0.54	0.90	1.63	4.26	22.78	131.82	185.55	131.81	22.77	4.26	1.55	0.88	0.52	0.52	0.52
G 72.5	0.50	0.80	1.40	3.32	13.92	92.35	126.85	92.34	13.92	3.32	1.36	0.80	0.49	0.49	0.49
G 75.0	0.47	0.72	1.21	2.28	9.89	63.93	90.45	63.93	9.89	2.29	1.21	0.72	0.47	0.47	0.47
G 77.5	0.44	0.64	1.06	1.44	7.67	44.40	57.80	44.40	7.67	1.44	1.06	0.64	0.46	0.46	0.46
G 80.0	0.43	0.57	0.91	1.10	6.07	31.77	37.92	31.77	6.07	1.10	0.91	0.57	0.45	0.45	0.45
G 82.5	0.43	0.52	0.78	0.95	4.56	21.71	26.89	21.72	4.56	0.95	0.78	0.53	0.45	0.45	0.45
G 85.0	0.41	0.49	0.68	0.89	3.17	13.44	15.83	13.43	3.17	0.89	0.68	0.49	0.43	0.43	0.43
G 87.5	0.37	0.47	0.60	0.79	2.03	7.51	8.30	7.51	2.04	0.79	0.59	0.48	0.40	0.40	0.40
G 90.0	0.38	0.45	0.54	0.68	1.35	4.05	4.95	4.05	1.35	0.68	0.54	0.47	0.38	0.38	0.38
G 92.5	0.14	0.43	0.51	0.59	0.92	2.24	2.67	2.24	0.93	0.59	0.50	0.44	0.14	0.14	0.14
G 95.0	0.02	0.40	0.48	0.54	0.67	1.29	1.52	1.29	0.67	0.54	0.48	0.40	0.03	0.03	0.03
G 97.5	0.00	0.36	0.46	0.52	0.57	0.84	0.97	0.84	0.57	0.52	0.46	0.36	0.00	0.00	0.00
G100.0	0.00	0.34	0.45	0.49	0.52	0.60	0.58	0.60	0.52	0.49	0.45	0.32	0.00	0.00	0.00
G102.5	0.00	0.29	0.41	0.47	0.46	0.43	0.43	0.43	0.46	0.47	0.41	0.27	0.00	0.00	0.00
G105.0	0.00	0.15	0.37	0.46	0.45	0.39	0.42	0.39	0.45	0.46	0.37	0.14	0.00	0.00	0.00
G107.5	0.00	0.09	0.33	0.44	0.44	0.43	0.42	0.43	0.44	0.45	0.33	0.09	0.00	0.00	0.00
G110.0	0.00	0.05	0.27	0.42	0.43	0.43	0.39	0.43	0.43	0.43	0.27	0.05	0.00	0.00	0.00
G112.5	0.00	0.01	0.21	0.41	0.42	0.42	0.40	0.42	0.42	0.41	0.22	0.01	0.00	0.00	0.00
G115.0	0.00	0.00	0.19	0.40	0.41	0.41	0.40	0.41	0.42	0.40	0.19	0.00	0.00	0.00	0.00
G117.5	0.00	0.00	0.13	0.29	0.41	0.41	0.38	0.41	0.41	0.28	0.13	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.03	0.22	0.40	0.41	0.38	0.41	0.41	0.22	0.03	0.00	0.00	0.00	0.00
G122.5	0.00	0.00	0.00	0.15	0.37	0.41	0.38	0.42	0.37	0.15	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.04	0.26	0.39	0.37	0.42	0.26	0.04	0.00	0.00	0.00	0.00	0.00
G127.5	0.00	0.00	0.00	0.00	0.09	0.35	0.40	0.35	0.09	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.01	0.13	0.40	0.13	0.01	0.00	0.00	0.00	0.00	0.00	0.00
G132.5	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	0.00	0.00
G135.0	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	0.00	0.00
G137.5	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	0.00	0.00
G140.0	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	0.00	0.00
G142.5	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	0.00	0.00
G145.0	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	0.00	0.00
G147.5	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	0.00	0.00
G150.0	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	0.00	0.00
G152.5	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	0.00	0.00
G155.0	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	0.00	0.00
G157.5	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	0.00	0.00
G160.0	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	0.00	0.00
G162.5	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	0.00	0.00
G165.0	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	0.00	0.00
G167.5	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	0.00	0.00
G170.0	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	0.00	0.00
G172.5	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	0.00	0.00
G175.0	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	0.00	0.00
G177.5	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	0.00	0.00
G180.0	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	0.00	0.00

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Sources Flux	982.17 lm	Maximum value	3890.99 cd	Position	C=90.00 G=40.00	CG Asymmetrical	

Luminous Intensity Table cd Table 2/2

	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G 0.0	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92
G 2.5	34.93	32.13	29.92	28.26	27.22	26.89	27.28	28.39	30.12	32.40	35.22
G 5.0	32.12	26.88	22.37	18.84	16.62	15.83	16.60	18.84	22.47	27.20	32.65
G 7.5	28.86	21.50	15.62	11.47	9.09	8.30	9.11	11.46	15.52	21.54	29.38
G 10.0	25.16	17.05	10.96	7.22	5.47	4.95	5.49	7.28	11.03	16.91	25.39
G 12.5	21.37	13.16	7.27	4.41	3.09	2.67	3.09	4.41	7.31	13.15	21.28
G 15.0	17.32	8.96	4.43	2.58	1.76	1.52	1.75	2.58	4.43	8.96	17.11
G 17.5	12.87	5.33	2.70	1.54	1.07	0.97	1.09	1.54	2.71	5.35	12.62
G 20.0	8.40	3.15	1.62	0.92	0.67	0.58	0.67	0.94	1.62	3.17	8.22
G 22.5	4.93	1.85	1.02	0.68	0.49	0.43	0.49	0.68	1.00	1.91	4.90
G 25.0	2.88	1.25	0.75	0.51	0.40	0.42	0.40	0.51	0.74	1.23	2.90
G 27.5	1.70	1.02	0.58	0.36	0.41	0.42	0.41	0.36	0.58	0.91	1.83
G 30.0	1.12	0.73	0.43	0.42	0.42	0.39	0.41	0.42	0.43	0.72	1.39
G 32.5	0.90	0.57	0.42	0.44	0.41	0.40	0.41	0.44	0.43	0.57	1.03
G 35.0	0.77	0.51	0.44	0.43	0.41	0.40	0.41	0.43	0.46	0.51	0.85
G 37.5	0.71	0.50	0.44	0.42	0.40	0.38	0.40	0.42	0.45	0.50	0.71
G 40.0	0.66	0.50	0.44	0.42	0.40	0.38	0.40	0.42	0.44	0.49	0.63
G 42.5	0.61	0.47	0.44	0.42	0.40	0.38	0.40	0.42	0.43	0.48	0.61
G 45.0	0.61	0.47	0.43	0.41	0.39	0.37	0.39	0.41	0.43	0.47	0.59
G 47.5	0.61	0.47	0.42	0.40	0.41	0.40	0.41	0.40	0.42	0.46	0.57
G 50.0	0.57	0.45	0.40	0.40	0.35	0.40	0.35	0.40	0.40	0.46	0.56
G 52.5	0.53	0.45	0.40	0.29	0.08	0.00	0.08	0.29	0.40	0.45	0.55
G 55.0	0.51	0.43	0.35	0.11	0.00	0.00	0.01	0.11	0.36	0.43	0.52
G 57.5	0.49	0.42	0.24	0.03	0.00	0.00	0.00	0.03	0.24	0.42	0.49
G 60.0	0.47	0.38	0.18	0.00	0.00	0.00	0.00	0.00	0.18	0.38	0.47
G 62.5	0.46	0.28	0.11	0.00	0.00	0.00	0.00	0.00	0.11	0.27	0.46
G 65.0	0.44	0.21	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.21	0.45
G 67.5	0.44	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.43
G 70.0	0.38	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.37
G 72.5	0.33	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.31
G 75.0	0.24	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.24
G 77.5	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.07
G 80.0	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
G 82.5	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
G 85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
G 92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire

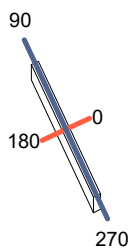
Code 4521
Name PALO ALTO 4521 CON UGR

Measurem.

Code CL252A21F032GE2
Name PALO ALTO 4521 CON UGR

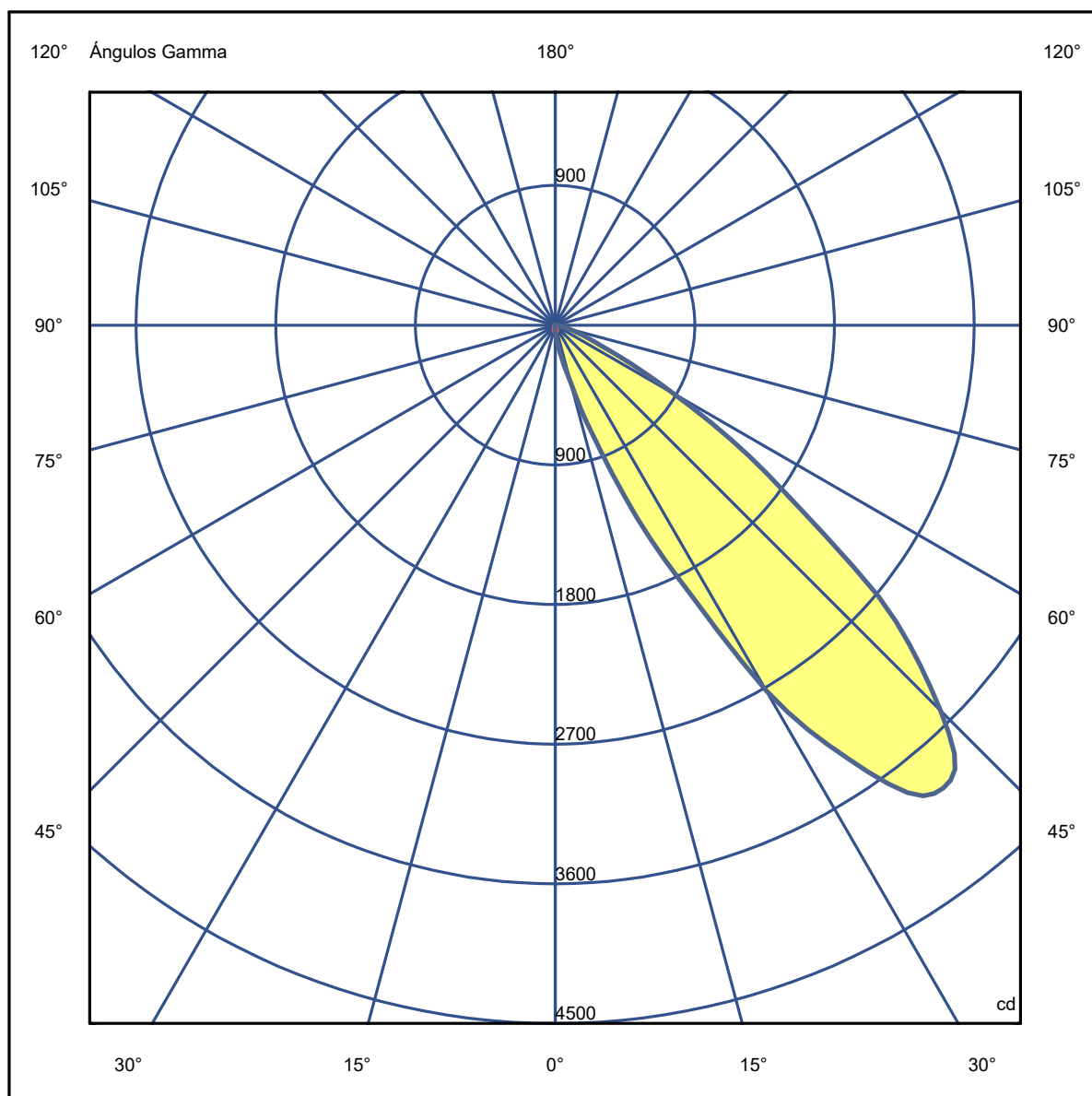
Luminaire Flux	982.17 lm	Luminaire Power	14.00 W	Efficacy	70.15 lm/W	Efficiency	100.00%
Sources Flux	982.17 lm	Maximum value	3890.99 cd	Position	C=90.00 G=40.00	CG	Asymmetrical

845mm x 45mm



Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



Luminaire

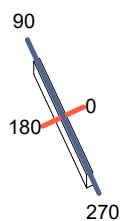
Code 4521
Name PALO ALTO 4521 CON UGR

Measurem.

Code CL252A21F032GE2
Name PALO ALTO 4521 CON UGR

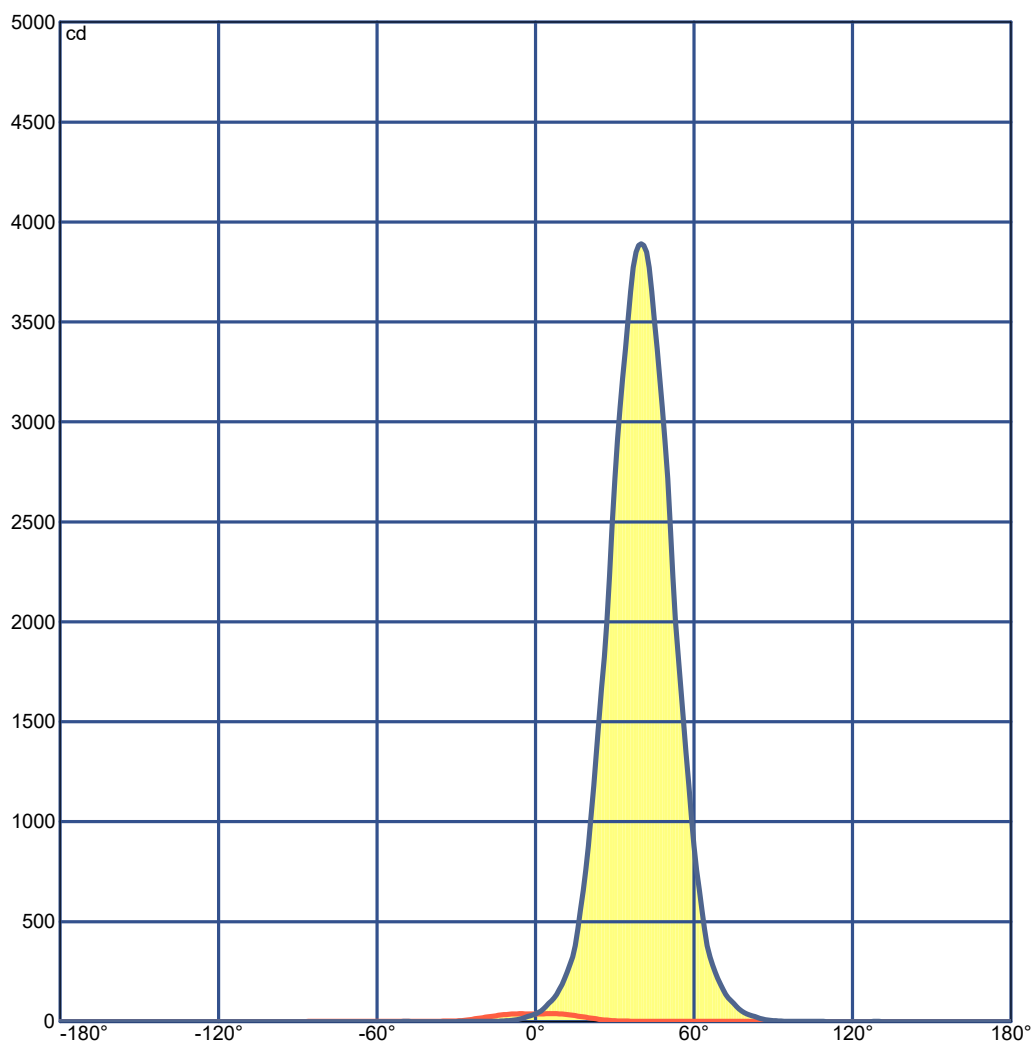
Luminaire Flux	982.17 lm	Luminaire Power	14.00 W	Efficacy	70.15 lm/W	Efficiency	100.00%
Sources Flux	982.17 lm	Maximum value	3890.99 cd	Position	C=90.00 G=40.00	CG	Asymmetrical

845mm x 45mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0



Luminaire

Code 4521
Name PALO ALTO 4521 CON UGR

Measurem.

Code CL252A21F032GE2
Name PALO ALTO 4521 CON UGR

Luminaire Flux	982.17 lm	Luminaire Power	14.00 W	Efficacy	70.15 lm/W	Efficiency	100.00%
Sources Flux	982.17 lm	Maximum value	3890.99 cd	Position	C=90.00 G=40.00	CG	Asymmetrical

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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions										
	Lateral View					Viewed Endwise				
x=2H y=2H	8.0	9.2	8.3	9.4	9.7	< 0	< 0	< 0	< 0	< 0
x=2H y=3H	7.8	8.9	8.1	9.2	9.4	< 0	< 0	< 0	< 0	< 0
x=2H y=4H	7.8	8.8	8.1	9.1	9.3	< 0	< 0	< 0	< 0	< 0
x=2H y=6H	7.7	8.6	8.0	8.9	9.2	< 0	< 0	< 0	< 0	< 0
x=2H y=8H	7.7	8.6	8.0	8.9	9.2	< 0	< 0	< 0	< 0	< 0
x=2H y=12H	7.6	8.5	8.0	8.8	9.1	< 0	< 0	< 0	< 0	< 0
x=4H y=2H	13.7	14.7	14.0	15.0	15.3	< 0	< 0	< 0	< 0	< 0
x=4H y=3H	13.6	14.4	13.9	14.7	15.1	< 0	< 0	< 0	< 0	< 0
x=4H y=4H	13.5	14.2	13.9	14.6	15.0	< 0	< 0	< 0	< 0	< 0
x=4H y=6H	13.4	14.1	13.9	14.5	14.9	< 0	< 0	< 0	< 0	< 0
x=4H y=8H	13.4	14.0	13.8	14.4	14.8	< 0	< 0	< 0	< 0	< 0
x=4H y=12H	13.4	13.9	13.8	14.3	14.7	< 0	< 0	< 0	< 0	< 0
x=8H y=4H	13.9	14.5	14.3	14.9	15.3	< 0	< 0	< 0	< 0	< 0
x=8H y=6H	13.8	14.3	14.3	14.7	15.2	< 0	< 0	< 0	< 0	< 0
x=8H y=8H	13.8	14.2	14.2	14.7	15.1	< 0	< 0	< 0	< 0	< 0
x=8H y=12H	13.7	14.1	14.2	14.6	15.1	< 0	< 0	< 0	< 0	< 0
x=12H y=4H	17.8	18.3	18.2	18.7	19.2	< 0	< 0	< 0	< 0	< 0
x=12H y=6H	17.7	18.1	18.2	18.6	19.1	< 0	< 0	< 0	< 0	< 0
x=12H y=8H	17.7	18.1	18.2	18.5	19.0	< 0	< 0	< 0	< 0	< 0

Luminaire

Code 4521
Name PALO ALTO 4521 CON UGR
Measurem.
Code CL252A21F032GE2
Name PALO ALTO 4521 CON UGR

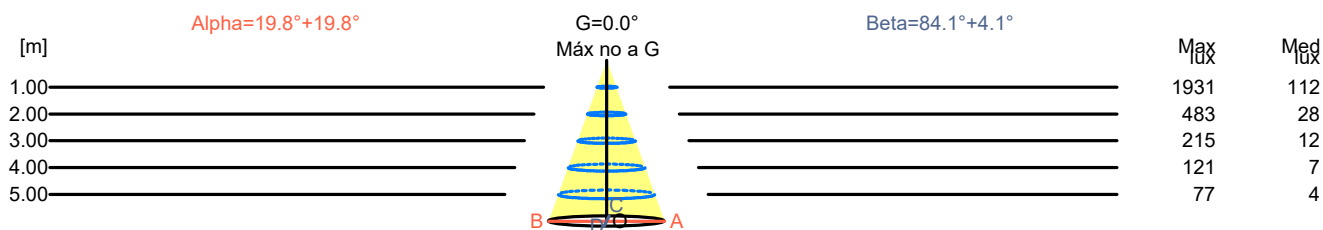
Luminaire Flux	982.17 lm	Luminaire Power	14.00 W	Efficacy	70.15 lm/W	Efficiency	100.00%
Sources Flux	982.17 lm	Maximum value	3890.99 cd	Position	C=90.00 G=40.00	CG Asymmetrical	

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	0.36	0.72	1.08	1.44	1.80	OC	9.64	19.28	28.93	38.57	48.21
OB	0.36	0.72	1.08	1.44	1.80	OD	0.07	0.14	0.21	0.28	0.35

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	37.92	39.48	29.46	9.86	2.03	0.98	0.84	0.62	0.47	0.41
OB	37.92	38.96	29.20	9.68	2.12	0.94	0.85	0.61	0.47	0.43
OC	37.92	90.45	379.89	1664.53	3510.79	3510.79	1664.53	379.89	90.45	15.83
OD	37.92	15.83	1.52	0.42	0.40	0.37	0.00	0.00	0.00	0.00



H[m]	D[m]	Max lux	Med lux	Alpha=19.8°+19.8°	G=0.0 Máx no a G
1.00	0.72	1931	112		
2.00	1.44	483	28		
3.00	2.16	215	12		
4.00	2.88	121	7		
5.00	3.60	77	4		

H[m]	D[m]	Max lux	Med lux	Beta=4.1°+84.1°	G=0.0 Máx no a G
1.00	9.71	1931	112		
2.00	19.43	483	28		
3.00	29.14	215	12		
4.00	38.85	121	7		
5.00	48.57	77	4		

Luminaire

Code 4521
Name PALO ALTO 4521 CON UGR

Measurem.

Code CL252A21F032GE2
Name PALO ALTO 4521 CON UGR

Luminaire Flux	982.17 lm	Luminaire Power	14.00 W	Efficacy	70.15 lm/W	Efficiency	100.00%
Sources Flux	982.17 lm	Maximum value	3890.99 cd	Position	C=90.00 G=40.00	CG Asymmetrical	

Flujo Total=982.17 Flujo Luminaria=982.17

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	0.29	0.41	0.50	0.59	0.65	0.74	0.79	0.83	0.86	0.88	0.92	0.95
RC	5	5	4	4	4	3	3	3	3	4	5	6

Flujo Zonal por 1000 Lúmenes

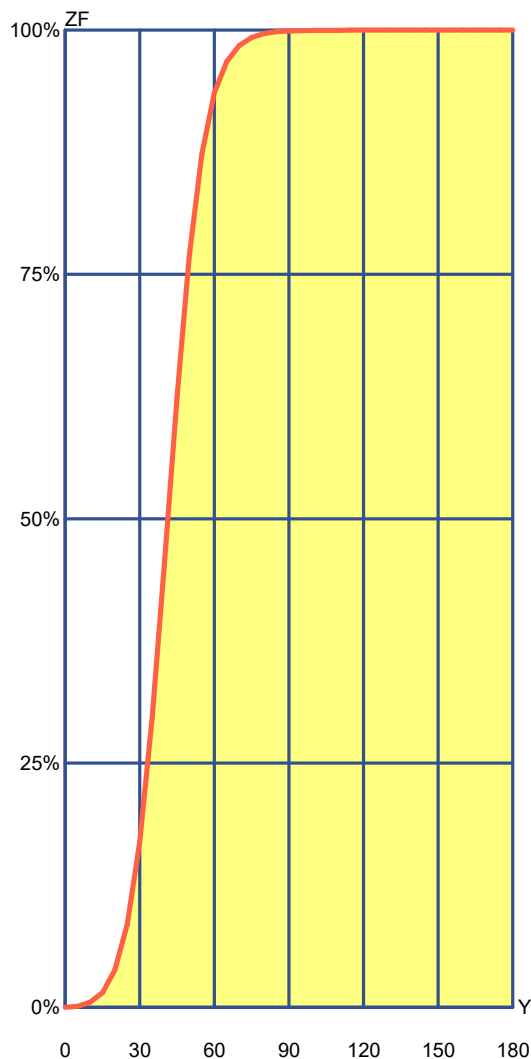
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	5	38	169	458	770	936	984	996	999	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

50 94 99 100 100

C.I.E. 5/5/4/4/4/3/3/3/4/5/6
D DIN 5040 A30
F UTE 1.00 E
B NBN BZ 4 / 2 / BZ 3
RN 0.08516 %
BLF 1.0

LOR 100.00000 %
ULOR 0.08516 %
DLOR 99.91484 %
UFF 0.08516 %
DFF 99.91484 %
FFR 0.08523 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	1.03	1.03	0.10 %	0.10 %
10°	4.09	5.12	0.41 %	0.51 %
15°	10.08	15.20	1.01 %	1.52 %
20°	22.78	37.98	2.28 %	3.80 %
25°	46.80	84.78	4.68 %	8.48 %
30°	84.46	169.24	8.45 %	16.92 %
35°	127.91	297.15	12.79 %	29.72 %
40°	160.69	457.85	16.07 %	45.78 %
45°	168.46	626.30	16.85 %	62.63 %
50°	143.45	769.75	14.34 %	76.97 %
55°	103.19	872.93	10.32 %	87.29 %
60°	62.74	935.68	6.27 %	93.57 %
65°	32.33	968.00	3.23 %	96.80 %
70°	16.26	984.27	1.63 %	98.43 %
75°	8.10	992.36	0.81 %	99.24 %
80°	4.01	996.37	0.40 %	99.64 %
85°	1.98	998.35	0.20 %	99.83 %
90°	0.80	999.15	0.08 %	99.91 %
95°	0.31	999.46	0.03 %	99.95 %
100°	0.15	999.61	0.02 %	99.96 %
105°	0.10	999.71	0.01 %	99.97 %
110°	0.09	999.80	0.01 %	99.98 %
115°	0.07	999.87	0.01 %	99.99 %
120°	0.06	999.93	0.01 %	99.99 %
125°	0.04	999.97	0.00 %	100.00 %
130°	0.02	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 4521
Name PALO ALTO 4521 CON UGR

Measurem.

Code CL252A21F032GE2
Name PALO ALTO 4521 CON UGR

Luminaire Flux	982.17 lm	Luminaire Power	14.00 W	Efficacy	70.15 lm/W	Efficiency	100.00%
Sources Flux	982.17 lm	Maximum value	3890.99 cd	Position	C=90.00 G=40.00	CG	Asymmetrical

Isolux (Floor)

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

