

ACE Floor lamp

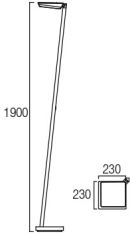
Designer: Josep Patsi

25-2410-BW-M3 v0



	Finish	Material
Structure	White	Aluminium
Diffuser	Tinted	Methacrylate

 IP20
  HORIZONTAL 101o
  +180o /-15o
  1



TECHNICAL CHARACTERISTICS

Light source

Light source: LED
 Light source power (W): 28W
 Color temperature: LED warm-white
 3000K
 CRI: 80
 Real Lumen: 1534
 Qty Leds: 1
 Lm/Real W: 55
 Bin / Grup: 7C1/7B4
 UGR: 21.8

GEAR

Gear included: Yes, electronic
 Voltage / Frequency:
 100-240VAC/50-60Hz

Luminaire

Warranty: 2 Years

Logistics

Energy Efficiency: LED A++
 EAN Code: 8435381414061

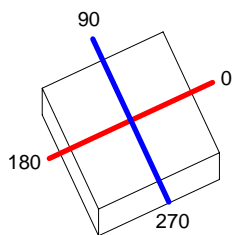
Reference	Quantity	Volume (m3)	Weight Kg (packed)
25-2410-BW-M3-12	1.00		
25-2410-BW-M3-22	1.00		

The photograph may not match the reference exactly. Please read the product description to identify the finish.

Luminaire		Measur.		Lamp	
Code	25-2410-BW-M3	Code	25-2410-BW-M3	Code	25-2410-BW-M3
Name	Pie de salón ACE leds CREE 28W	Name	Pie de salón ACE leds CREE 28W	Number	1
Line	- LEDS C4 LEDS	Date	17-12-2015	Position	Universal
Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W
Lamps Flux	1533.88 lm	Maximum value	598.85 cd	Position	C=0.00 G=0.00
Rectangular Luminaire	Length 210 mm	Width	210 mm	Height	50 mm
Rectangular Luminous Area	Length 172 mm	Width	172 mm	Height	0 mm
Horizontal Luminous Area	0.029584 m2	Emitting area on Plane 180°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Glare area at 76°	0.007157 m2		
Emitting area on Plane 90°	0.000000 m2				
Coordinate system	CG	Symmetry Type	Double Symmetrical		
Date	17-12-2015	Maximum Gamma Angle	180		
Measurement Distance	6.44	Measurement Flux	1533.88 lm		
Operator	Asselum T2	Source voltage	230.00 V		
Temperature	20.00 °C	Source current			
Humidity	53.00 %	Photocell	Prc		
Notes					

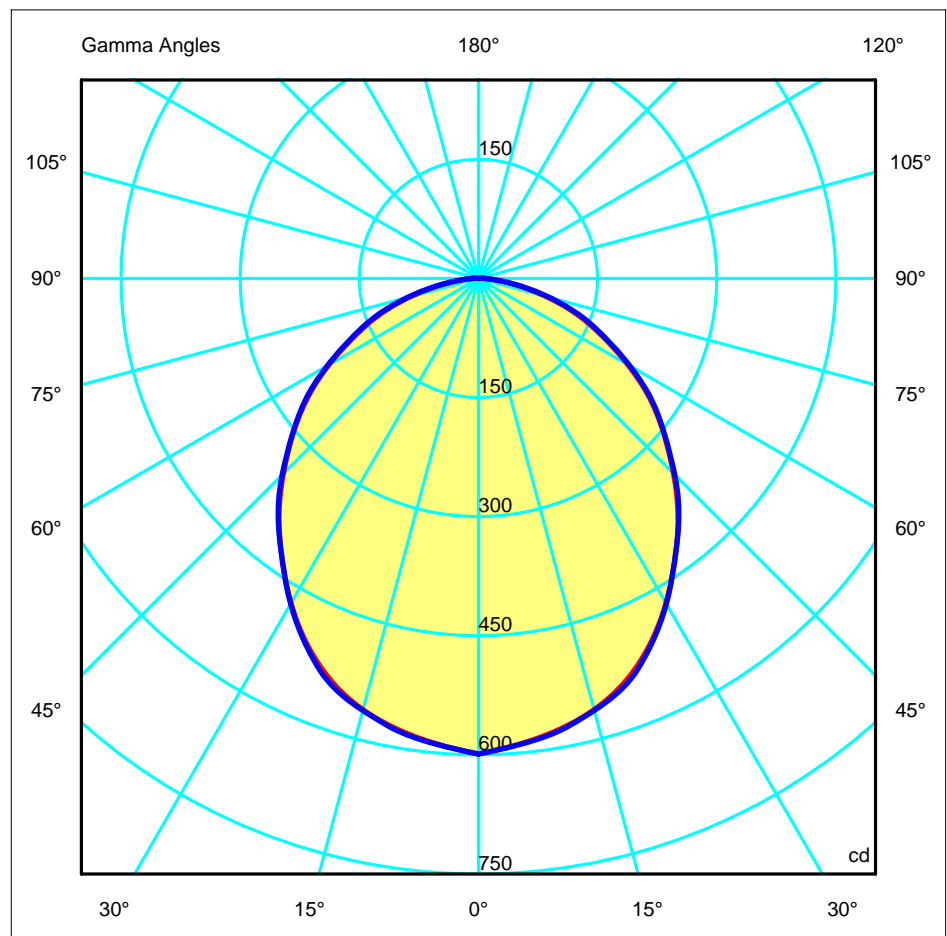
Line	Code	Luminaire Lamps	Flux [lm]	Pow. [W]	Q.ty
- LEDS C4 LEDS	25-2410-BW-M3	Name Lámpara leds 28W	1533.88	28.00	1
C.I.E.	50 80 96 100 100	D DIN 5040	A30		
F UTE	1.00 E	B NBN	BZ 4		

210mm x 210mm



C Halfplanes
 180.0 — 0.0
 270.0 — 90.0

ULOR 0.39 %
 DLOR 99.61 %
 RN 0.39 %



Luminaire	Code 25-2410-BW-M3	Measur.	Code 25-2410-BW-M3	Lamp	Code 25-2410-BW-M3
	Name Pie de salón ACE leds CREE 28W		Name Pie de salón ACE leds CREE 28W		Number 1
	Line - LEDS C4 LEDS		Date 17-12-2015		Position Universal

Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W	Efficiency	100.00%
Lamps Flux	1533.88 lm	Maximum value	598.85 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminous Intensity Table cd 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	598.85	598.85	598.85	598.85	598.85	598.85	598.85
G 5.0	588.83	588.65	589.04	589.67	589.13	589.61	589.14
G 10.0	577.08	577.31	576.58	575.03	576.47	578.47	579.18
G 15.0	562.55	562.57	562.68	563.39	562.89	563.15	563.06
G 20.0	539.74	536.54	535.23	541.31	535.17	541.95	544.01
G 25.0	509.59	512.05	509.60	509.28	505.20	511.07	511.62
G 30.0	472.12	478.40	476.37	472.23	470.60	472.70	473.19
G 35.0	431.22	440.44	437.59	432.64	432.57	431.28	430.98
G 40.0	391.05	399.58	397.10	392.90	391.72	391.52	392.56
G 45.0	347.40	356.93	353.87	349.98	349.17	348.29	349.61
G 50.0	304.85	312.88	309.40	306.88	306.23	305.33	305.91
G 55.0	263.57	268.01	264.72	265.14	263.79	264.97	265.97
G 60.0	217.18	222.01	220.26	219.45	218.39	218.30	220.02
G 65.0	172.24	176.69	175.50	174.09	174.66	174.01	175.56
G 70.0	132.27	132.45	132.59	133.81	133.55	134.73	136.38
G 75.0	88.89	89.20	89.86	90.45	90.60	92.36	93.43
G 80.0	49.83	50.55	51.33	51.46	52.55	51.70	53.49
G 85.0	21.86	22.08	19.79	24.66	24.83	26.40	24.86
G 90.0	7.67	7.55	7.55	7.55	7.53	7.60	7.54
G 95.0	7.44	7.44	7.44	7.55	7.55	5.74	7.54
G100.0	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
G110.0	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
G120.0	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
G130.0	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
G140.0	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
G150.0	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
G160.0	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
G170.0	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
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

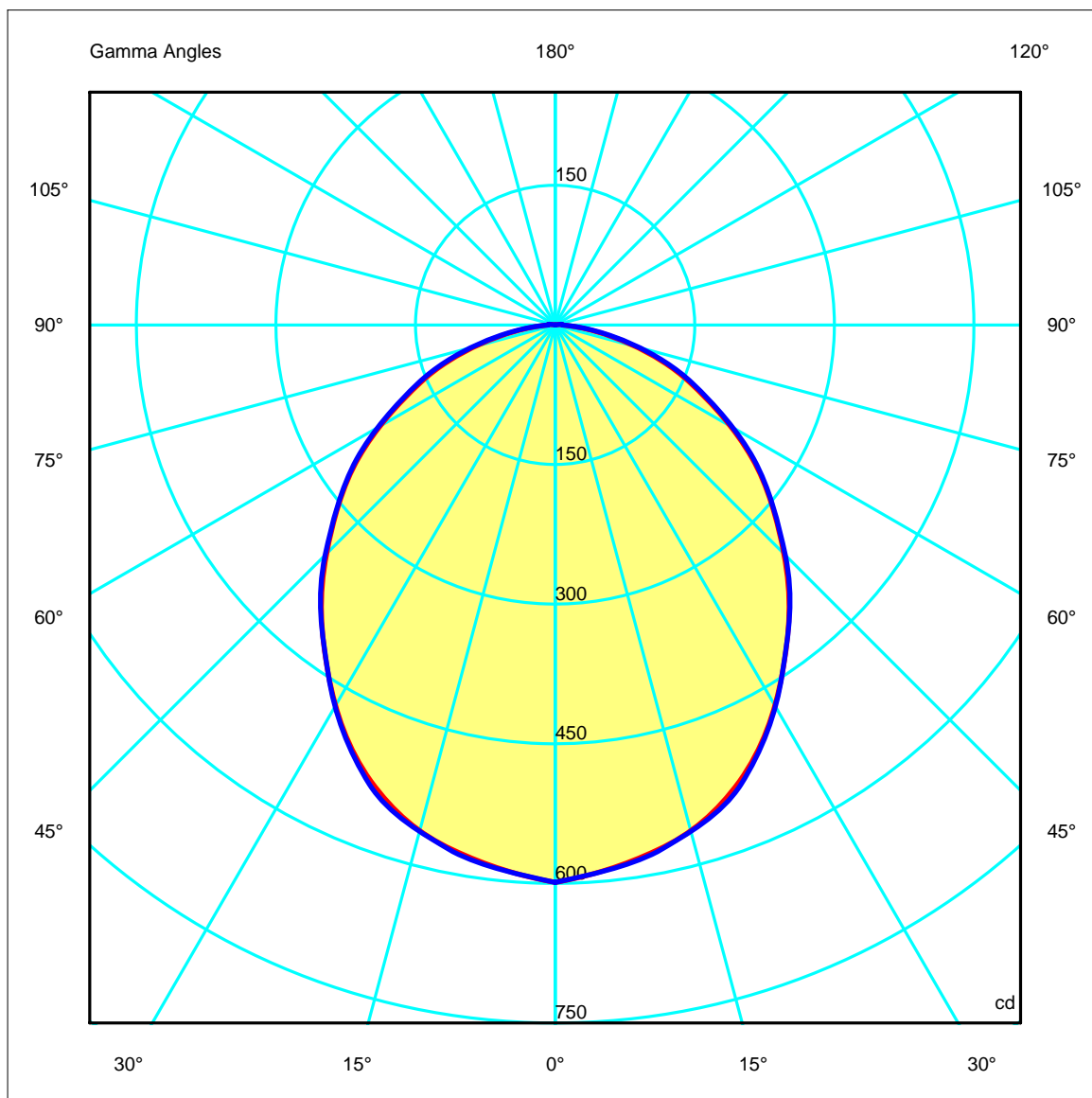
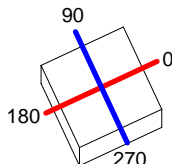
Luminaire		Measur.		Lamp			
Code	25-2410-BW-M3	Code	25-2410-BW-M3	Code	25-2410-BW-M3		
Name	Pie de salón ACE leds CREE 28W	Name	Pie de salón ACE leds CREE 28W	Number	1		
Line	- LEDS C4 LEDS	Date	17-12-2015	Position	Universal		
Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W	Efficiency	100.00%
Lamps Flux	1533.88 lm	Maximum value	598.85 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

210mm x 210mm

C Halfplanes

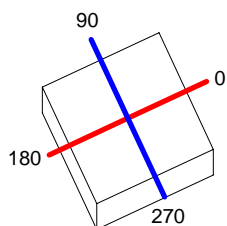
180.0  0.0

270.0  90.0



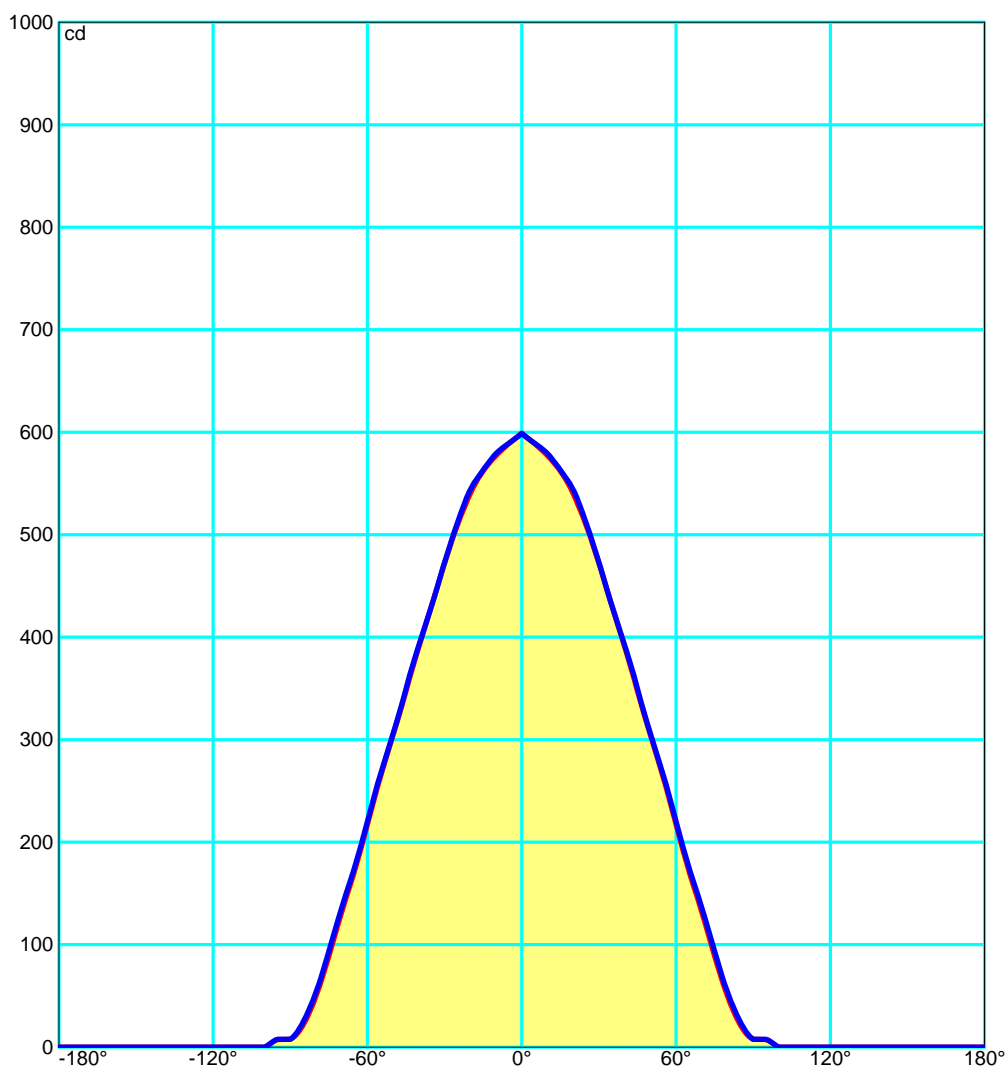
Luminaire		Measurem.		Lamp			
Code	25-2410-BW-M3	Code	25-2410-BW-M3	Code	25-2410-BW-M3		
Name	Pie de salón ACE leds CREE 28W	Name	Pie de salón ACE leds CREE 28W	Number	1		
Line	- LEDS C4 LEDS	Date	17-12-2015	Position	Universal		
Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W	Efficiency	100.00%
Lamps Flux	1533.88 lm	Maximum value	598.85 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

210mm x 210mm



C Halfplanes

180.0 ———— 0.0
 270.0 ———— 90.0



Luminaire		Measur.			Lamp		
Code	25-2410-BW-M3	Code	25-2410-BW-M3	Code	25-2410-BW-M3		
Name	Pie de salón ACE leds CREE 28W	Name	Pie de salón ACE leds CREE 28W	Number	1		
Line	- LEDS C4 LEDS	Date	17-12-2015	Position	Universal		
Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W	Efficiency	100.00%
Lamps Flux	1533.88 lm	Maximum value	598.85 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	21.9	23.2	22.2	23.4	23.6	21.8	23.1	22.1	23.3	23.6
x=2H y=3H	23.4	24.5	23.7	24.8	25.1	23.4	24.5	23.7	24.8	25.1
x=2H y=4H	23.9	25.0	24.3	25.3	25.7	24.0	25.1	24.3	25.4	25.7
x=2H y=6H	24.3	25.3	24.7	25.7	26.1	24.4	25.4	24.8	25.7	26.1
x=2H y=8H	24.4	25.4	24.8	25.7	26.2	24.5	25.5	24.9	25.8	26.2
x=2H y=12H	24.5	25.5	24.9	25.8	26.3	24.6	25.6	25.0	25.9	26.3
x=4H y=2H	22.6	23.7	22.9	24.0	24.2	22.5	23.6	22.9	23.9	24.2
x=4H y=3H	24.3	25.2	24.7	25.5	25.9	24.3	25.2	24.7	25.5	25.9
x=4H y=4H	25.0	25.8	25.4	26.1	26.6	25.0	25.8	25.4	26.2	26.6
x=4H y=6H	25.5	26.2	25.9	26.6	27.0	25.5	26.3	26.0	26.6	27.0
x=4H y=8H	25.6	26.3	26.1	26.7	27.2	25.7	26.4	26.2	26.8	27.2
x=4H y=12H	25.7	26.3	26.2	26.7	27.3	25.9	26.5	26.3	26.9	27.3
x=8H y=4H	25.3	25.9	25.7	26.3	26.8	25.3	26.0	25.8	26.4	26.8
x=8H y=6H	25.9	26.4	26.3	26.9	27.4	26.0	26.5	26.4	26.9	27.4
x=8H y=8H	26.1	26.6	26.6	27.0	27.6	26.2	26.7	26.7	27.1	27.6
x=8H y=12H	26.3	26.7	26.8	27.2	27.8	26.5	26.9	27.0	27.3	27.8
x=12H y=4H	25.3	25.9	25.7	26.3	26.8	25.3	25.9	25.8	26.3	26.8
x=12H y=6H	25.9	26.4	26.4	26.9	27.4	26.0	26.5	26.5	26.9	27.4
x=12H y=8H	26.2	26.6	26.7	27.1	27.7	26.3	26.7	26.8	27.2	27.7

Luminaire		Measur.		Lamp			
Code	25-2410-BW-M3	Code	25-2410-BW-M3	Code	25-2410-BW-M3		
Name	Pie de salón ACE leds CREE 28W	Name	Pie de salón ACE leds CREE 28W	Number	1		
Line	- LEDS C4 LEDS	Date	17-12-2015	Position	Universal		
Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W	Efficiency	100.00%
Lamps Flux	1533.88 lm	Maximum value	598.85 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

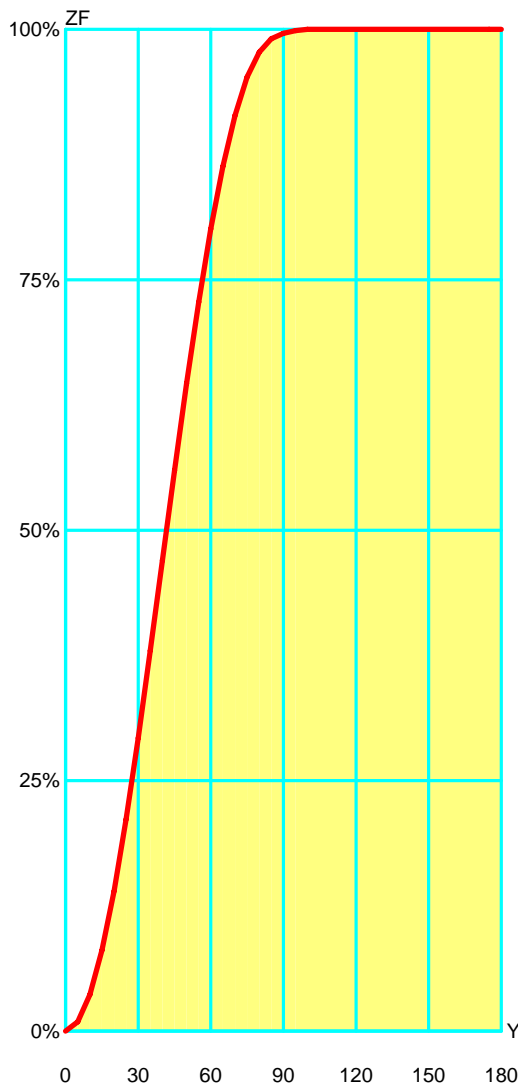
Total Flux=1533.88 Luminaire Flux=1533.87

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	0.32	0.41	0.48	0.55	0.61	0.69	0.75	0.79	0.84	0.87	0.93	0.97
RC	5	5	5	5	5	4	4	4	4	4	4	4

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)	36	140	293	470	647	801	914	977	996	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes
50 80 96 100 100

C.I.E.	5/5/5/5/4/4/4/4/4/4	LOR	99.99954 %
D DIN 5040	A30	ULOR	0.39126 %
F UTE	1.00 E	DLOR	99.60828 %
B NBN	BZ 4	UFF	0.39126 %
RN	0.39126 %	DFF	99.60874 %
BLF	1.0	FFR	0.39280 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00%
5°	9.26	9.26	0.93%	0.93%
10°	27.20	36.46	2.72%	3.65%
15°	44.08	80.54	4.41%	8.05%
20°	59.19	139.73	5.92%	13.97%
25°	71.68	211.41	7.17%	21.14%
30°	81.14	292.55	8.11%	29.25%
35°	87.18	379.73	8.72%	37.97%
40°	90.10	469.83	9.01%	46.98%
45°	89.96	559.79	9.00%	55.98%
50°	86.79	646.58	8.68%	64.66%
55°	81.21	727.79	8.12%	72.78%
60°	73.05	800.84	7.30%	80.08%
65°	62.49	863.33	6.25%	86.33%
70°	50.91	914.24	5.09%	91.42%
75°	38.20	952.44	3.82%	95.24%
80°	24.80	977.24	2.48%	97.72%
85°	13.30	990.53	1.33%	99.05%
90°	5.55	996.08	0.55%	99.61%
95°	2.64	998.72	0.26%	99.87%
100°	1.28	1000.00	0.13%	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				Measuram.				Lamp			
Code	25-2410-BW-M3			Code	25-2410-BW-M3			Code	25-2410-BW-M3		
Name	Pie de salón ACE leds CREE 28W			Name	Pie de salón ACE leds CREE 28W			Number	1		
Line	- LEDS C4 LEDS			Date	17-12-2015			Position	Universal		
Luminaire Flux	1533.87 lm			Luminaire Power	28.00 W			Efficacy	54.78 lm/W		
Lamps Flux	1533.88 lm			Maximum value	598.85 cd			Position	C=0.00 G=0.00		
							Efficiency	100.00%			
							CG	Double Symmetrical			

Utilizations CIE

Mounting	Direct	Normalization		Normalised		Suspension Ratio ^b /3										Standard CIE Settings							
Ceiling																							
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	217	195	170	154	186	147	113	96	88	75	48	36	20	13	70	39	34	16	13	33	13	12	1
0.80	252	231	181	167	220	160	142	124	101	88	58	46	26	19	83	48	44	22	18	41	19	17	2
1.00	275	255	183	171	243	164	165	147	107	96	65	54	32	25	90	55	51	28	24	48	24	22	2
1.25	294	277	181	171	264	164	189	171	112	103	72	61	39	31	96	62	58	34	30	55	31	28	2
1.50	309	293	177	169	279	163	208	191	115	106	76	66	45	37	100	67	63	40	36	60	36	33	2
2.00	327	314	166	161	299	155	236	221	116	109	83	74	55	47	103	75	71	50	45	68	46	42	3
2.50	338	328	158	154	313	149	257	243	116	110	87	80	62	55	105	80	76	57	53	73	53	49	3
3.00	347	337	152	148	322	144	273	260	115	111	90	84	68	61	106	83	80	63	59	77	59	55	3
4.00	358	351	144	141	336	138	295	284	115	112	95	89	76	70	107	89	86	72	68	83	68	64	3
5.00	366	360	139	137	344	134	310	301	115	112	98	93	82	77	108	92	90	78	74	87	74	70	3
10.00	381	378	127	126	363	124	343	338	114	112	104	102	95	92	109	100	99	91	89	96	88	85	4
20.00	390	388	120	119	373	118	362	359	113	112	108	106	103	101	109	104	104	100	99	101	97	94	4
Wall																							
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	459	447	399	391	441	386	347	339	312	306	261	257	225	223	303	257	256	224	223	255	223	222	202
0.80	516	503	435	427	494	421	402	392	351	345	301	296	264	261	341	296	294	262	260	292	260	259	235
1.00	552	540	454	447	528	440	441	430	376	370	328	322	291	288	364	322	320	288	287	317	286	285	258
1.25	584	573	467	461	558	454	477	466	396	391	352	346	316	312	384	345	342	313	311	339	310	308	278
1.50	608	596	475	470	580	462	504	493	410	405	369	363	335	331	397	361	359	331	329	355	328	325	292
2.00	630	620	474	470	601	462	535	524	420	416	385	379	355	350	407	376	374	350	347	369	345	341	305
2.50	642	634	471	468	613	460	555	545	424	420	394	389	367	362	411	384	382	361	358	376	356	351	312
3.00	649	641	466	463	619	456	568	558	425	422	398	393	374	370	411	388	386	367	365	380	361	356	315
4.00	664	657	465	463	633	456	591	582	431	428	409	405	389	385	418	399	397	381	379	389	374	368	323
5.00	675	669	466	464	643	457	608	600	437	434	418	414	401	396	423	407	405	392	389	397	384	377	331
10.00	698	695	467	466	666	459	645	640	448	446	437	435	426	423	435	425	424	416	414	414	406	397	347
20.00	701	700	458	457	669	451	657	655	444	444	438	437	433	431	431	426	426	421	420	415	410	400	347
Working Pl.																							
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	607	595	567	557	587	551	473	465	455	450	391	386	344	342	446	386	384	342	341	383	341	340	323
0.80	714	700	658	648	688	640	574	564	548	541	481	475	432	428	534	475	472	429	427	470	427	426	408
1.00	798	783	727	718	768	708	658	646	622	614	557	550	507	503	606	549	546	503	501	542	501	498	481
1.25	876	862	790	782	842	771	738	725	692	684	630	623	582	576	674	620	617	576	574	612	572	569	552
1.50	934	920	835	827	898	815	800	786	743	736	686	678	639	633	724	674	671	633	629	665	627	623	607
2.00	1000	1000	898	892	979	879	894	880	820	814	770	762	729	722	799	756	753	720	716	745	713	707	691
2.50	1000	1000	936	932	1000	919	957	943	869	863	825	818	788	781	847	810	807	778	774	797	769	761	747
3.00	1000	1000	963	959	1000	946	1000	989	902	897	865	858	831	824	880	848	845	819	815	834	809	800	786
4.00	1000	1000	994	991	1000	978	1000	1000	943	939	913	906	885	878	921	895	892	871	867	879	858	847	834
5.00	1000	1000	1000	1000	1000	997	1000	1000	968	965	942	937	918	912	945	923	921	903	899	906	889	876	864
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	996	991	972	961
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	996	991	972	961

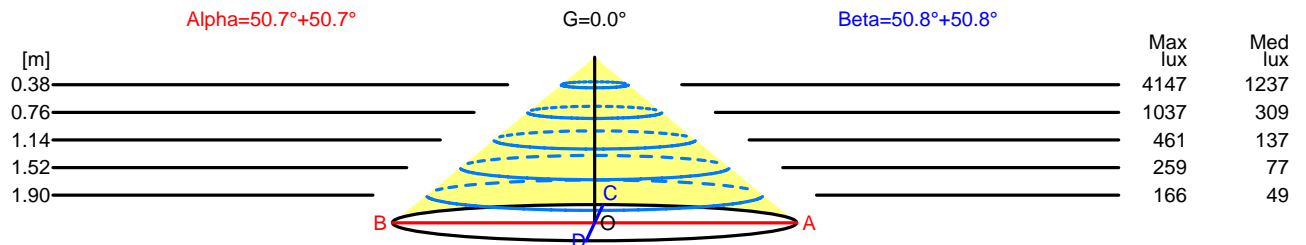
LM53 SHR C0-C180: 1.166 SHR C90-C270: 1.178 SHR Square: 1.299

Luminaire		Measur.		Lamp			
Code	25-2410-BW-M3	Code	25-2410-BW-M3	Code	25-2410-BW-M3		
Name	Pie de salón ACE leds CREE 28W	Name	Pie de salón ACE leds CREE 28W	Number	1		
Line	- LEDS C4 LEDS	Date	17-12-2015	Position	Universal		
Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W	Efficiency	100.00%
Lamps Flux	1533.88 lm	Maximum value	598.85 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

H[m]	0.38	0.76	1.14	1.52	1.90	H[m]	0.38	0.76	1.14	1.52	1.90
OA	0.46	0.93	1.39	1.85	2.32	OC	0.47	0.93	1.40	1.86	2.33
OB	0.46	0.93	1.39	1.85	2.32	OD	0.47	0.93	1.40	1.86	2.33

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	598.85	588.83	562.55	509.59	431.22	347.40	263.57	172.24	88.89	21.86
OB	598.85	588.83	562.55	509.59	431.22	347.40	263.57	172.24	88.89	21.86
OC	598.85	589.14	563.06	511.62	430.98	349.61	265.97	175.56	93.43	24.86
OD	598.85	589.14	563.06	511.62	430.98	349.61	265.97	175.56	93.43	24.86



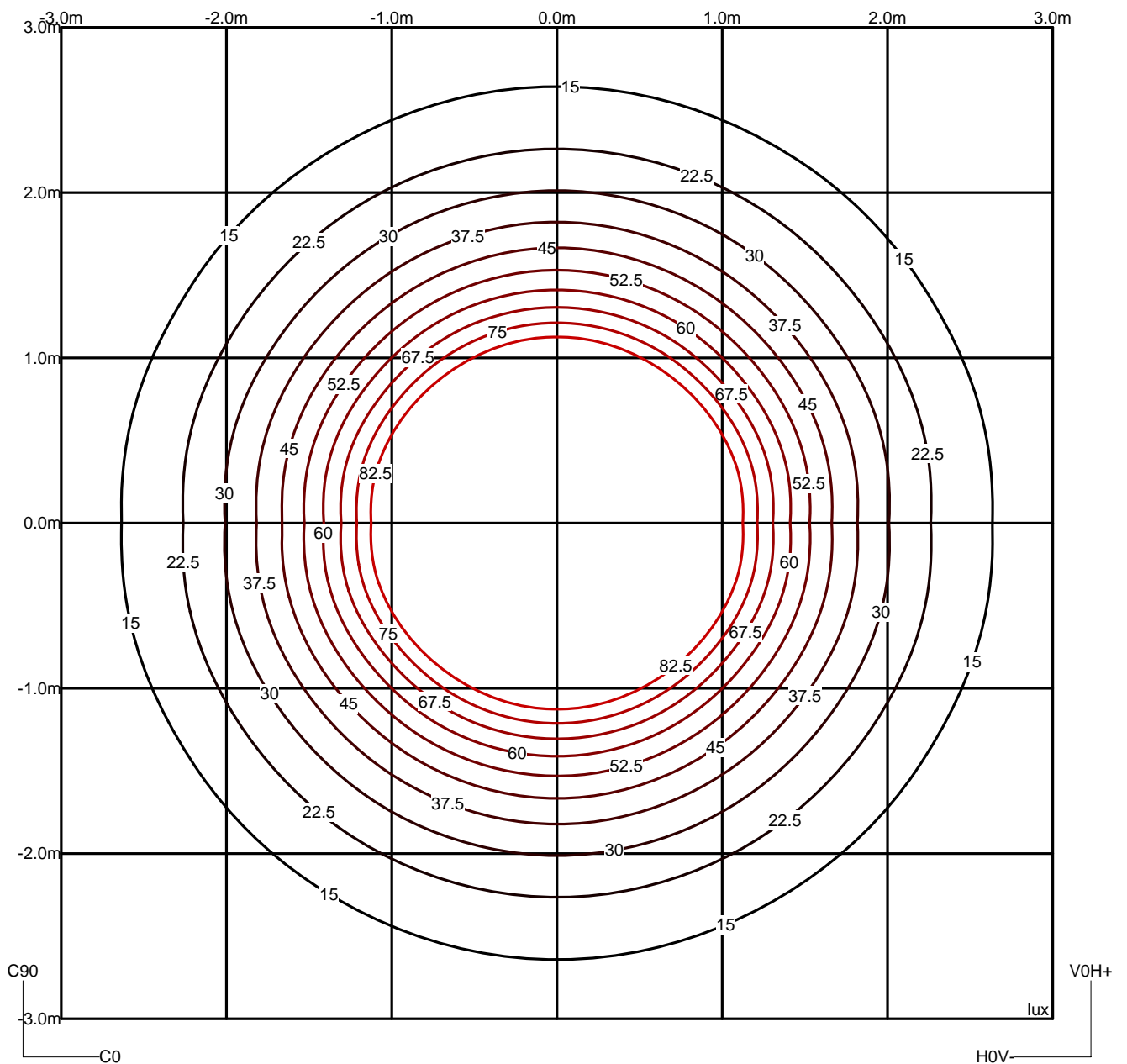
H[m]	D[m]	Max lux	Med lux	Alpha=50.7°+50.7°	G=0.0
0.38	0.93	4147	1237		
0.76	1.85	1037	309		
1.14	2.78	461	137		
1.52	3.71	259	77		
1.90	4.64	166	49		

H[m]	D[m]	Max lux	Med lux	Beta=50.8°+50.8°	G=0.0
0.38	0.93	4147	1237		
0.76	1.86	1037	309		
1.14	2.80	461	137		
1.52	3.73	259	77		
1.90	4.66	166	49		

Luminaire		Measuram.		Lamp			
Code	25-2410-BW-M3	Code	25-2410-BW-M3	Code	25-2410-BW-M3		
Name	Pie de salón ACE leds CREE 28W	Name	Pie de salón ACE leds CREE 28W	Number	1		
Line	- LEDS C4 LEDS	Date	17-12-2015	Position	Universal		
Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W	Efficiency	100.00%
Lamps Flux	1533.88 lm	Maximum value	598.85 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

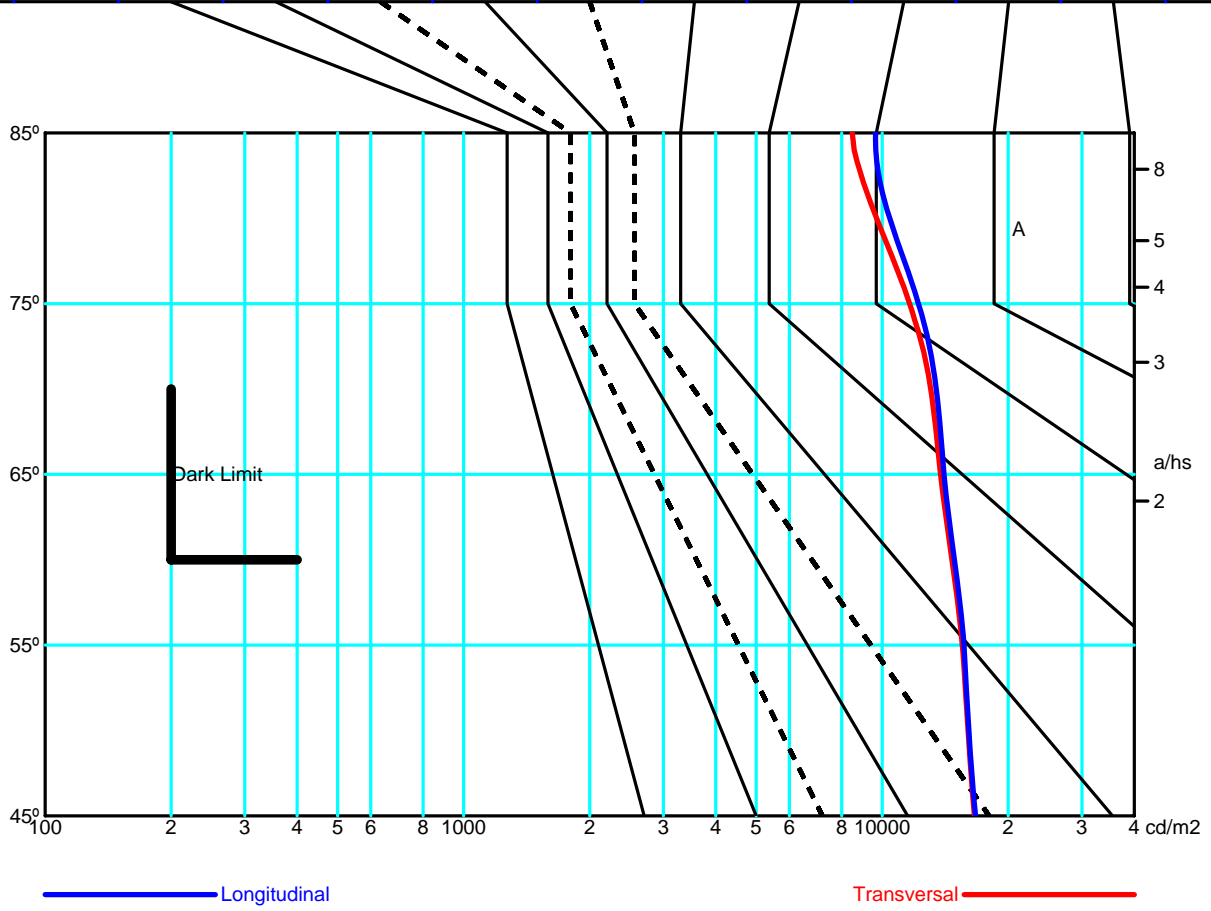
Luminaire position X=0.00m Y=0.00m Z=1.90m



Luminaire		Measuram.				Lamp	
Code	25-2410-BW-M3	Code	25-2410-BW-M3		Code	25-2410-BW-M3	
Name	Pie de salón ACE leds CREE 28W	Name	Pie de salón ACE leds CREE 28W		Number	1	
Line	- LEDS C4 LEDS	Date	17-12-2015		Position	Universal	
Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W	Efficiency	100.00%
Lamps Flux	1533.88 lm	Maximum value	598.85 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

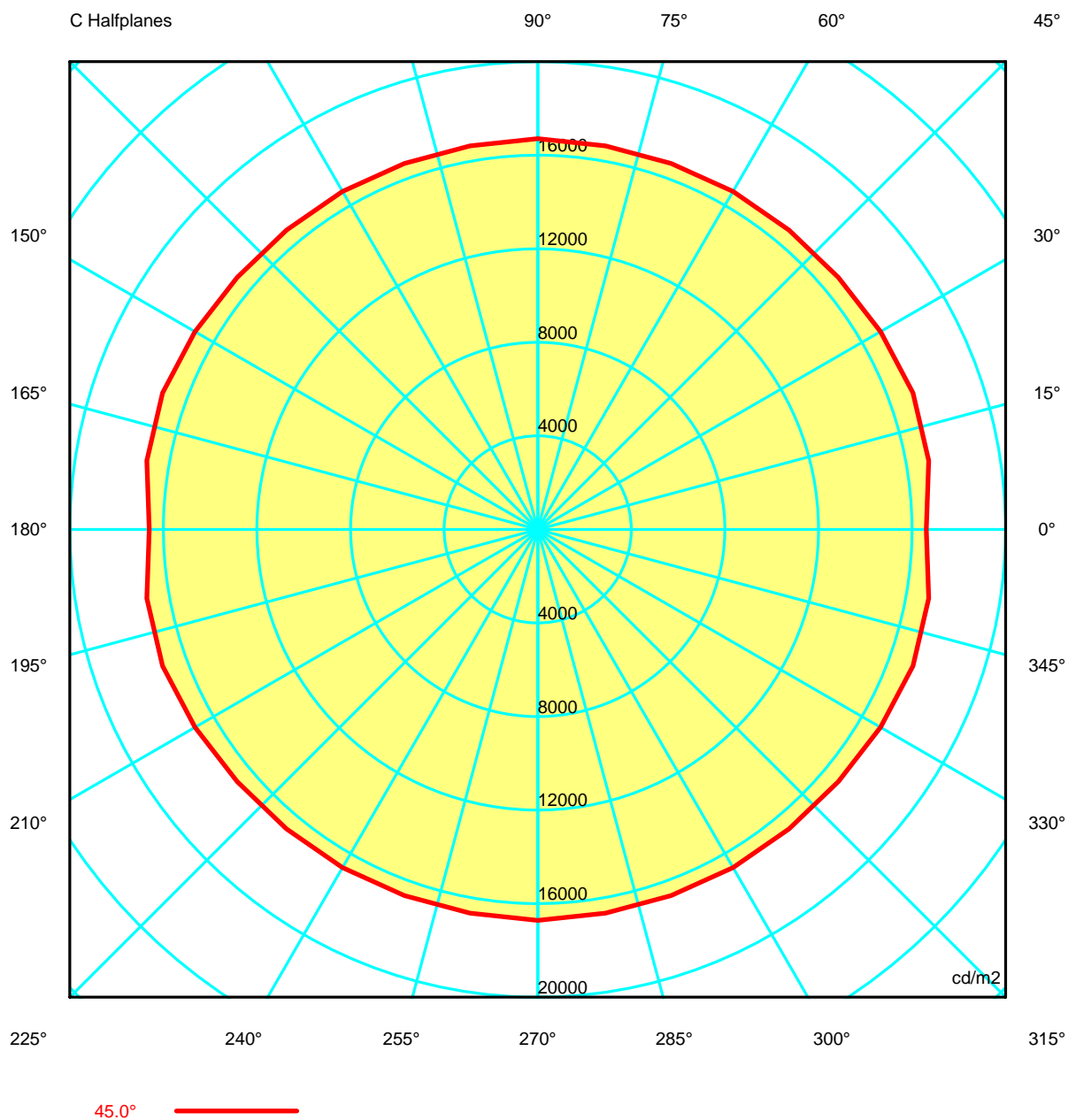
		Average Luminance [cd/m ²]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	16607	16031	15533	14682	13776	13072	11609	9700	8479	---	
90.0°	16713	16087	15674	14874	14042	13478	12202	10413	9642	---	

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		Measurem.		Lamp			
Code	25-2410-BW-M3	Code	25-2410-BW-M3	Code	25-2410-BW-M3		
Name	Pie de salón ACE leds CREE 28W	Name	Pie de salón ACE leds CREE 28W	Number	1		
Line	- LEDS C4 LEDS	Date	17-12-2015	Position	Universal		
Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W	Efficiency	100.00%
Lamps Flux	1533.88 lm	Maximum value	598.85 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



Luminaire	Code 25-2410-BW-M3	Measurement	Code 25-2410-BW-M3	Lamp	Code 25-2410-BW-M3
	Name Pie de salón ACE leds CREE 28W		Name Pie de salón ACE leds CREE 28W		Number 1
	Line - LEDS C4 LEDS		Date 17-12-2015		Position Universal

Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W	Efficiency	100.00%
Lamps Flux	1533.88 lm	Maximum value	598.85 cd	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	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47
G 5.0	19979.67	19974.20	19975.10	19986.71	20005.10	20003.11	19989.97	20000.59	20005.21	19990.25	20005.21	20000.59	19989.97
G 10.0	19807.52	19814.57	19812.65	19790.23	19747.93	19742.67	19786.42	19836.36	19867.47	19879.32	19867.47	19836.36	19786.42
G 15.0	19686.20	19686.59	19688.04	19690.54	19710.14	19711.95	19698.12	19704.14	19708.34	19703.96	19708.34	19704.14	19698.12
G 20.0	19415.38	19342.88	19254.55	19253.07	19432.95	19411.81	19250.90	19391.55	19519.42	19568.90	19519.42	19391.55	19250.90
G 25.0	19005.97	19089.17	19072.84	19006.27	18998.43	18934.58	18842.35	18979.35	19067.98	19081.43	19067.98	18979.35	18842.35
G 30.0	18427.58	18620.33	18676.99	18593.38	18481.12	18393.18	18368.20	18420.81	18456.47	18469.03	18456.47	18420.81	18368.20
G 35.0	17794.37	18093.52	18182.69	18056.86	17900.50	17851.98	17850.02	17817.29	17792.69	17784.45	17792.69	17817.29	17850.02
G 40.0	17255.09	17551.48	17639.52	17522.30	17385.72	17307.71	17284.65	17274.07	17286.35	17322.02	17286.35	17274.07	17284.65
G 45.0	16607.11	16968.39	17065.59	16916.37	16773.05	16709.23	16691.55	16657.14	16658.95	16712.68	16658.95	16657.14	16691.55
G 50.0	16030.83	16373.32	16438.27	16270.06	16161.34	16124.42	16103.53	16067.25	16057.83	16086.69	16057.83	16067.25	16103.53
G 55.0	15532.83	15759.13	15750.11	15600.54	15610.51	15606.59	15545.85	15581.06	15641.20	15674.43	15641.20	15581.06	15545.85
G 60.0	14682.36	14945.72	14999.66	14890.51	14846.43	14815.24	14764.01	14745.71	14786.84	14874.01	14786.84	14745.71	14764.01
G 65.0	13776.05	14056.47	14139.59	14036.61	13939.87	13936.36	13969.73	13929.11	13938.13	14041.93	13938.13	13929.11	13969.73
G 70.0	13072.19	13083.98	13094.73	13104.44	13193.54	13223.23	13199.23	13262.40	13370.46	13478.28	13370.46	13262.40	13199.23
G 75.0	11608.88	11632.61	11674.04	11736.21	11798.71	11819.43	11832.10	11979.28	12123.57	12201.78	12123.57	11979.28	11832.10
G 80.0	9700.42	9786.80	9902.05	9991.45	10008.60	10097.75	10228.52	10103.70	10117.21	10413.09	10117.21	10103.70	10228.52
G 85.0	8478.68	8719.99	8267.88	7676.78	8937.43	9586.61	9628.93	10055.41	10191.74	9642.11	10191.74	10055.41	9628.93
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		Measur.		Lamp									
Code	25-2410-BW-M3	Code	25-2410-BW-M3	Code	25-2410-BW-M3								
Name	Pie de salón ACE leds CREE 28W	Name	Pie de salón ACE leds CREE 28W	Number	1								
Line	- LEDS C4 LEDS	Date	17-12-2015	Position	Universal								
Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W	Efficiency	100.00%						
Lamps Flux	1533.88 lm	Maximum value	598.85 cd	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	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47
G 5.0	20003.11	20005.10	19986.71	19975.10	19974.20	19979.67	19974.20	19975.10	19986.71	20005.10	20003.11	19989.97	20000.59
G 10.0	19742.67	19747.93	19790.23	19812.65	19814.57	19807.52	19814.57	19812.65	19790.23	19747.93	19742.67	19786.42	19836.36
G 15.0	19711.95	19710.14	19690.54	19688.04	19686.59	19686.20	19686.59	19688.04	19690.54	19710.14	19711.95	19698.12	19704.14
G 20.0	19411.81	19432.95	19253.07	19254.55	19342.88	19415.38	19342.88	19254.55	19253.07	19432.95	19411.81	19250.90	19391.55
G 25.0	18934.58	18998.43	19006.27	19072.84	19089.17	19005.97	19089.17	19072.84	19006.27	18998.43	18934.58	18842.35	18979.35
G 30.0	18393.18	18481.12	18593.38	18676.99	18620.33	18427.58	18620.33	18676.99	18593.38	18481.12	18393.18	18368.20	18420.81
G 35.0	17851.98	17900.50	18056.86	18182.69	18093.52	17794.37	18093.52	18182.69	18056.86	17900.50	17851.98	17850.02	17817.29
G 40.0	17307.71	17385.72	17522.30	17639.52	17551.48	17255.09	17551.48	17639.52	17522.30	17385.72	17307.71	17284.65	17274.07
G 45.0	16709.23	16773.05	16916.37	17065.59	16968.39	16607.11	16968.39	17065.59	16916.37	16773.05	16709.23	16691.55	16657.14
G 50.0	16124.42	16161.34	16270.06	16438.27	16373.32	16030.83	16373.32	16438.27	16270.06	16161.34	16124.42	16103.53	16067.25
G 55.0	15606.59	15610.51	15600.54	15750.11	15759.13	15532.83	15759.13	15750.11	15600.54	15610.51	15606.59	15545.85	15581.06
G 60.0	14815.24	14846.43	14890.51	14999.66	14945.72	14682.36	14945.72	14999.66	14890.51	14846.43	14815.24	14764.01	14745.71
G 65.0	13936.36	13939.87	14036.61	14139.59	14056.47	13776.05	14056.47	14139.59	14036.61	13939.87	13936.36	13969.73	13929.11
G 70.0	13223.23	13193.54	13104.44	13094.73	13083.98	13072.19	13083.98	13094.73	13104.44	13193.54	13223.23	13199.23	13262.40
G 75.0	11819.43	11798.71	11736.21	11674.04	11632.61	11608.88	11632.61	11674.04	11736.21	11798.71	11819.43	11832.10	11979.28
G 80.0	10097.75	10008.60	9991.45	9902.05	9786.80	9700.42	9786.80	9902.05	9991.45	10008.60	10097.75	10228.52	10103.70
G 85.0	9586.61	8937.43	7676.78	8267.88	8719.99	8478.68	8719.99	8267.88	7676.78	8937.43	9586.61	9628.93	10055.41
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

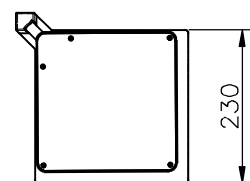
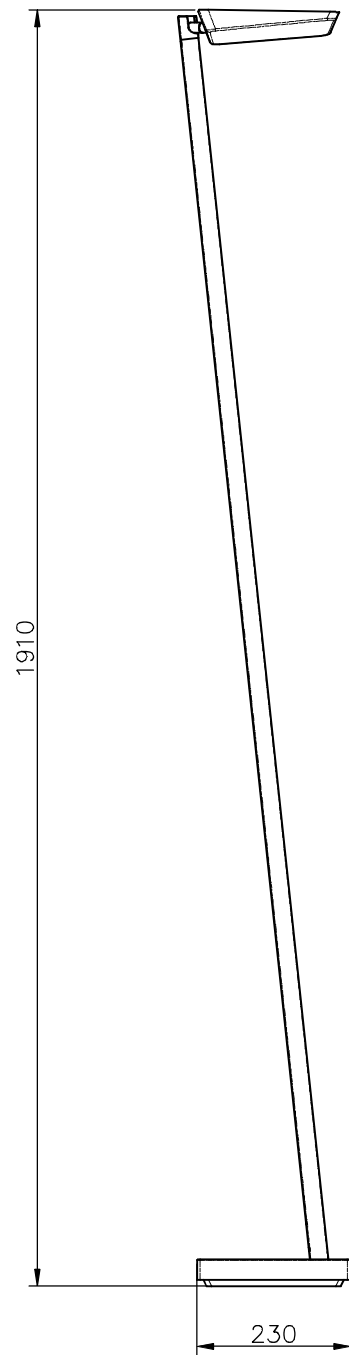
Luminaire		Measur.		Lamp	
Code	25-2410-BW-M3	Code	25-2410-BW-M3	Code	25-2410-BW-M3
Name	Pie de salón ACE leds CREE 28W	Name	Pie de salón ACE leds CREE 28W	Number	1
Line	- LEDS C4 LEDS	Date	17-12-2015	Position	Universal

Luminaire Flux	1533.87 lm	Luminaire Power	28.00 W	Efficacy	54.78 lm/W	Efficiency	100.00%
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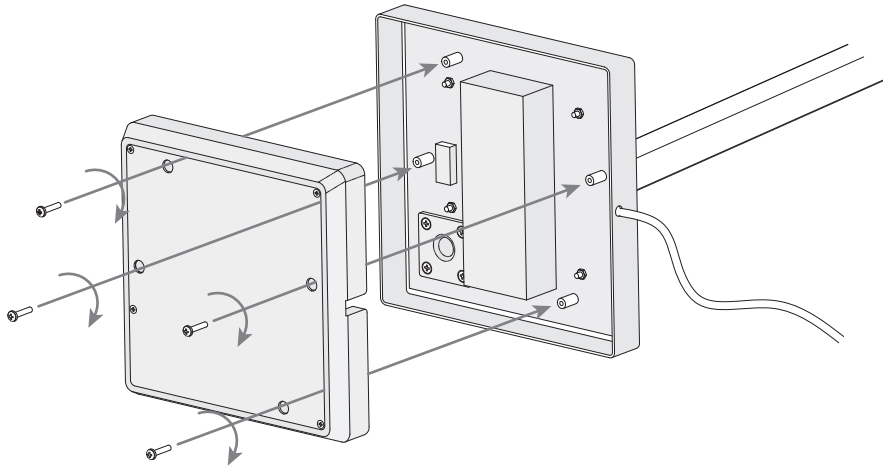
Lamps Flux	1533.88 lm	Maximum value	598.85 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
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Luminance cd/m2 Table 3/3

	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	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47	20242.47
G 5.0	20005.21	19990.25	20005.21	20000.59	19989.97	20003.11	20005.10	19986.71	19975.10	19974.20
G 10.0	19867.47	19879.32	19867.47	19836.36	19786.42	19742.67	19747.93	19790.23	19812.65	19814.57
G 15.0	19708.34	19703.96	19708.34	19704.14	19698.12	19711.95	19710.14	19690.54	19688.04	19686.59
G 20.0	19519.42	19568.90	19519.42	19391.55	19250.90	19411.81	19432.95	19253.07	19254.55	19342.88
G 25.0	19067.98	19081.43	19067.98	18979.35	18842.35	18934.58	18998.43	19006.27	19072.84	19089.17
G 30.0	18456.47	18469.03	18456.47	18420.81	18368.20	18393.18	18481.12	18593.38	18676.99	18620.33
G 35.0	17792.69	17784.45	17792.69	17817.29	17850.02	17851.98	17900.50	18056.86	18182.69	18093.52
G 40.0	17286.35	17322.02	17286.35	17274.07	17284.65	17307.71	17385.72	17522.30	17639.52	17551.48
G 45.0	16658.95	16712.68	16658.95	16657.14	16691.55	16709.23	16773.05	16916.37	17065.59	16968.39
G 50.0	16057.83	16086.69	16057.83	16067.25	16103.53	16124.42	16161.34	16270.06	16438.27	16373.32
G 55.0	15641.20	15674.43	15641.20	15581.06	15545.85	15606.59	15610.51	15600.54	15750.11	15759.13
G 60.0	14786.84	14874.01	14786.84	14745.71	14764.01	14815.24	14846.43	14890.51	14999.66	14945.72
G 65.0	13938.13	14041.93	13938.13	13929.11	13969.73	13936.36	13939.87	14036.61	14139.59	14056.47
G 70.0	13370.46	13478.28	13370.46	13262.40	13199.23	13223.23	13193.54	13104.44	13094.73	13083.98
G 75.0	12123.57	12201.78	12123.57	11979.28	11832.10	11819.43	11798.71	11736.21	11674.04	11632.61
G 80.0	10117.21	10413.09	10117.21	10103.70	10228.52	10097.75	10008.60	9991.45	9902.05	9786.80
G 85.0	10191.74	9642.11	10191.74	10055.41	9628.93	9586.61	8937.43	7676.78	8267.88	8719.99
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



1



2

