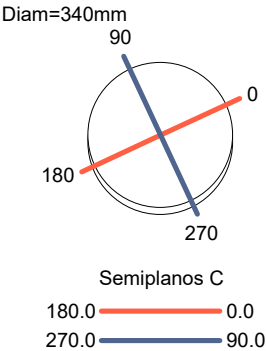


Luminaire

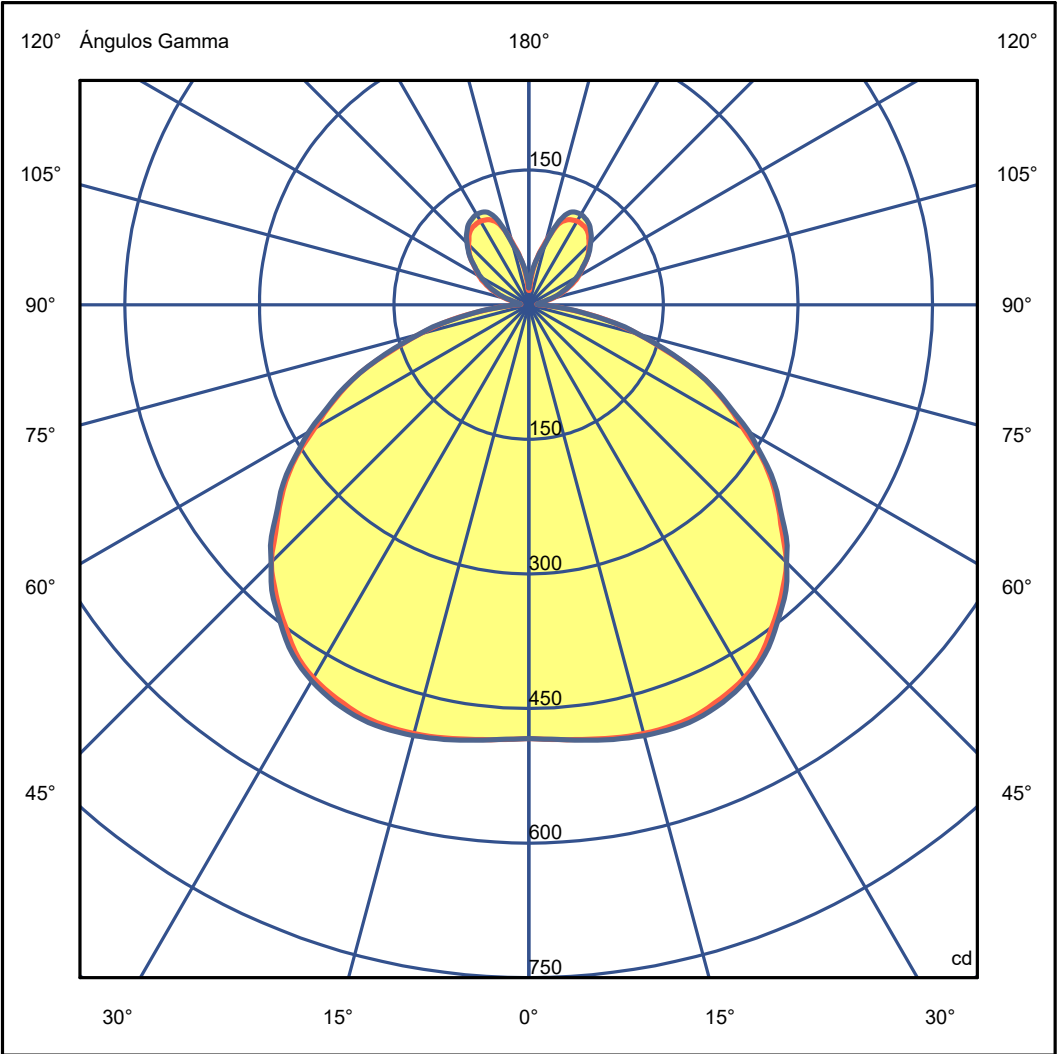
Code A628-054
Name Plaff-on! 33 LED IP54
Measurement.
Code CL041A21F006G
Name Plaff-on! 33 LED IP54

Luminaire Flux	2091.83 lm	Luminaire Power	24.81 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Sources Flux	2091.83 lm	Maximum value	498.66 cd	Position	C=90.00 G=20.00	CG	Double Symmetrical
Round Luminaire		Diam.	340 mm	Height	120 mm		
Round Luminous Area		Diam.	270 mm	Height	10 mm		
Horizontal Luminous Area		0.057256 m2		Emitting area on Plane 180°		0.002700 m2	
Emitting area on Plane 0°		0.002700 m2		Emitting area on Plane 270°		0.002700 m2	
Emitting area on Plane 90°		0.002700 m2		Glare area at 76°		0.016471 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		12-02-2021		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		2091.83 lm	
Operator		ASSELUM		Rated Voltage		230.25 V	
Temperature		25.00 °C		Rated Current		0.11 A	
Humidity		30.20 %		Photocell		Prc	
Notes		RM21020309.6					

Line		Code LED	Luminaire Sources		Flux [lm]	Pow. [W]	Q.ty
			Name LED		2091.83	24.81	1
C.I.E.	44 76 95 82 100		D DIN 5040	B31			
F UTE	0.82 E + 0.18 T		B NBN	BZ 5			



ULOR 18.02 %
DLOR 81.98 %
RN 18.02 %



Luminaire

Code A628-054
Name Plaff-on! 33 LED IP54

Measurement

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Name Plaff-on! 33 LED IP54

Luminaire Flux	2091.83 lm	Luminaire Power	24.81 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Sources Flux	2091.83 lm	Maximum value	498.66 cd	Position	C=90.00 G=20.00	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	483.37	483.37	483.37	483.37	483.37	483.37	483.37
G 2.5	484.59	484.53	484.35	484.22	484.27	484.41	484.49
G 5.0	486.44	486.64	486.66	486.63	486.66	486.71	486.74
G 7.5	488.46	489.00	489.28	489.17	489.31	489.40	489.27
G 10.0	490.70	491.18	491.61	491.95	492.14	492.36	492.36
G 12.5	493.07	493.59	494.13	494.53	494.74	494.78	494.69
G 15.0	494.66	495.18	495.74	496.24	496.61	496.83	496.90
G 17.5	495.46	496.11	496.86	497.52	497.93	498.13	498.18
G 20.0	495.22	495.97	496.98	497.89	498.42	498.63	498.66
G 22.5	493.74	494.56	495.70	496.73	497.30	497.50	497.52
G 25.0	489.77	490.85	492.53	493.98	494.57	494.57	494.46
G 27.5	485.49	486.50	488.24	489.73	490.26	490.16	489.99
G 30.0	479.90	481.02	482.96	484.51	484.81	484.35	484.01
G 32.5	472.31	473.31	475.17	476.66	476.88	476.38	476.02
G 35.0	460.84	461.85	463.85	466.00	466.47	466.18	465.92
G 37.5	447.32	448.53	451.32	454.07	454.15	453.07	452.38
G 40.0	434.77	435.02	437.17	439.81	439.84	438.86	439.05
G 42.5	420.72	420.71	422.61	425.21	425.70	425.30	424.96
G 45.0	405.89	406.06	407.43	408.44	408.00	406.86	406.21
G 47.5	384.09	384.67	386.43	388.36	389.45	389.86	389.93
G 50.0	364.89	364.33	365.92	368.51	368.93	368.51	368.17
G 52.5	346.30	345.26	346.52	349.07	349.78	349.78	349.64
G 55.0	326.26	324.67	324.94	326.97	328.25	329.27	329.68
G 57.5	302.81	302.54	303.16	304.91	305.31	305.34	305.29
G 60.0	275.91	276.03	278.06	280.50	282.16	282.99	283.22
G 62.5	254.33	252.64	253.61	256.26	256.91	256.87	256.73
G 65.0	231.59	229.74	230.58	233.21	233.92	233.98	233.89
G 67.5	208.76	206.03	205.35	206.74	207.44	208.10	208.38
G 70.0	179.54	178.67	178.45	179.55	180.24	180.85	181.11
G 72.5	150.38	149.67	151.34	154.19	154.20	153.29	152.71
G 75.0	126.43	124.24	124.79	127.23	127.68	127.55	127.38
G 77.5	102.37	99.95	99.94	102.11	103.39	104.41	104.83
G 80.0	79.18	76.98	76.56	77.57	77.16	76.55	76.24
G 82.5	52.10	51.10	51.75	53.75	55.09	56.08	56.46
G 85.0	34.24	33.40	34.04	35.63	35.76	35.47	35.25
G 87.5	20.87	19.78	19.91	21.07	21.83	22.43	22.67
G 90.0	13.28	12.66	12.24	12.19	13.15	14.29	14.84
G 92.5	9.33	9.32	9.36	9.43	9.69	9.96	10.08
G 95.0	9.43	9.10	8.71	8.55	8.77	9.16	9.42
G 97.5	10.81	10.47	9.91	9.58	9.66	10.00	10.37
G100.0	13.93	13.68	12.95	12.23	12.35	12.77	12.84
G102.5	18.23	18.51	18.37	17.99	17.54	17.16	17.00
G105.0	25.64	25.91	25.78	25.12	24.45	23.77	23.03
G107.5	33.14	33.23	32.74	32.01	31.35	30.89	30.71
G110.0	39.30	39.76	39.51	38.79	37.83	36.99	36.62
G112.5	45.55	45.88	45.58	44.83	43.86	43.00	42.63
G115.0	51.82	52.10	51.88	51.23	50.53	49.91	49.65
G117.5	58.54	58.91	58.73	57.98	56.96	55.67	55.02
G120.0	63.81	64.37	64.44	64.01	63.16	62.30	61.90
G122.5	68.88	69.77	70.21	70.00	69.13	68.12	67.63
G125.0	74.07	75.41	76.46	76.59	75.51	74.05	73.31
G127.5	80.27	81.39	82.43	82.72	81.89	80.65	80.01
G130.0	86.04	87.44	88.61	88.98	88.22	87.05	86.44
G132.5	90.49	92.43	94.21	95.31	94.40	92.82	91.98
G135.0	94.90	97.23	99.42	100.43	99.62	98.07	97.22
G137.5	98.87	101.44	104.03	105.48	105.06	103.76	103.01
G140.0	103.08	105.67	108.41	109.98	109.53	108.12	107.31
G142.5	105.76	108.48	111.42	113.25	113.14	112.13	111.22
G145.0	107.11	110.26	113.74	115.94	115.84	114.55	113.75
G147.5	107.60	110.92	114.74	117.28	117.06	116.11	115.38
G150.0	107.59	110.83	114.57	117.22	117.42	116.96	116.41
G152.5	106.25	109.08	112.41	115.04	115.86	116.17	116.03
G155.0	104.69	105.70	107.21	109.19	111.29	113.40	114.22
G157.5	101.16	99.68	98.95	100.06	103.30	107.26	109.22
G160.0	95.63	92.07	89.46	89.51	92.84	97.26	99.46
G162.5	84.68	82.83	80.99	80.40	81.78	83.89	84.99
G165.0	73.09	72.96	72.49	71.79	70.79	70.00	70.04
G167.5	62.74	62.41	61.73	61.07	60.74	60.65	60.66
G170.0	52.65	52.02	51.23	50.88	51.35	52.16	52.58
G172.5	41.49	41.41	41.11	41.25	42.26	43.51	44.13
G175.0	29.28	29.86	30.45	31.31	32.28	33.23	34.29
G177.5	16.80	17.28	18.46	20.41	22.74	24.81	26.35
G180.0	18.85	18.85	18.85	18.85	18.85	18.85	18.85

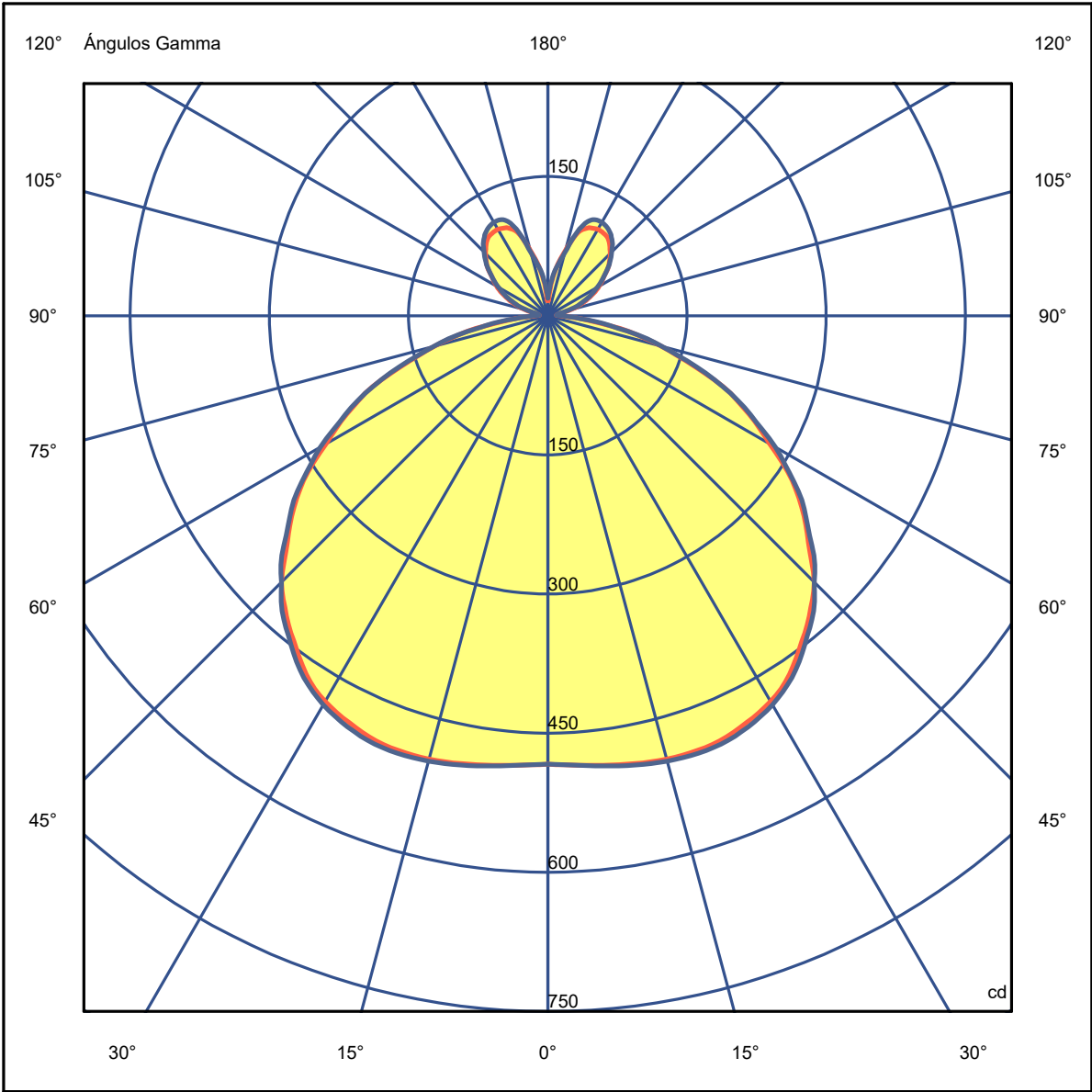
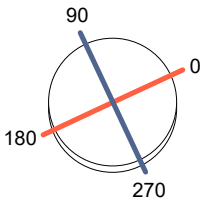
Luminaire
Code A628-054
Name Plaff-on! 33 LED IP54
Measurem.
Code CL041A21F006G
Name Plaff-on! 33 LED IP54

Luminaire Flux	2091.83 lm	Luminaire Power	24.81 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Sources Flux	2091.83 lm	Maximum value	498.66 cd	Position	C=90.00 G=20.00	CG	Double Symmetrical

Diam=340mm

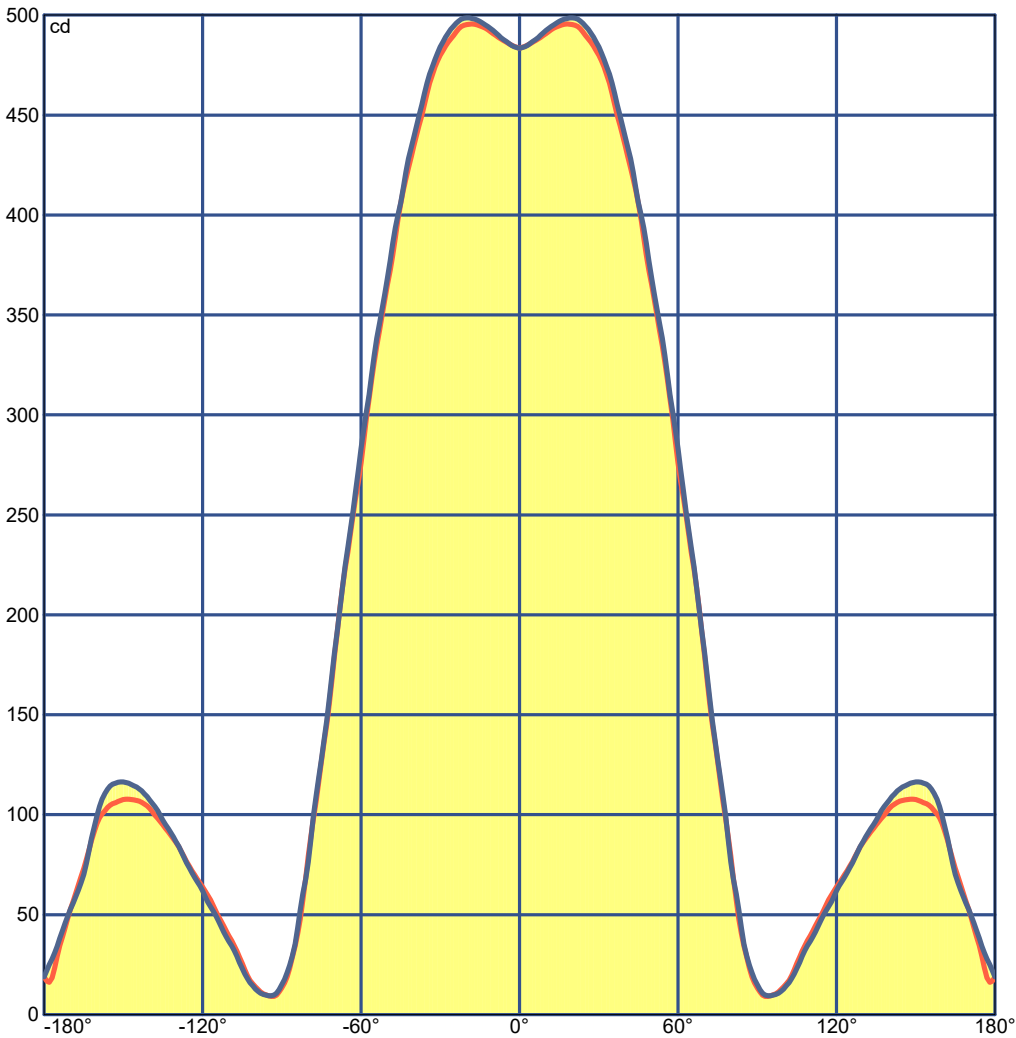
Semiplanos C

180.0 0.0
270.0 90.0



Luminaire
Code A628-054
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Sources Flux	2091.83 lm	Maximum value	498.66 cd	Position	C=90.00 G=20.00	CG Double Symmetrical	



Luminaire

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Luminaire Flux	2091.83 lm	Luminaire Power	24.81 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Sources Flux	2091.83 lm	Maximum value	498.66 cd	Position	C=90.00 G=20.00	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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions										
Room Dimensions	Lateral View					Viewed Endwise				
	x=2H y=2H	x=2H y=3H	x=2H y=4H	x=2H y=6H	x=2H y=8H	x=2H y=12H	x=4H y=2H	x=4H y=3H	x=4H y=4H	x=4H y=6H
	19.4	20.6	20.0	21.1	21.6	19.5	20.6	20.0	21.2	21.7
	21.0	22.0	21.6	22.6	23.2	21.1	22.1	21.7	22.7	23.3
	21.6	22.5	22.2	23.1	23.8	21.7	22.6	22.3	23.2	23.9
	22.0	22.9	22.6	23.5	24.2	22.1	23.0	22.7	23.6	24.2
	22.1	23.0	22.7	23.6	24.3	22.2	23.1	22.8	23.7	24.4
	22.2	23.0	22.8	23.6	24.3	22.3	23.1	22.9	23.7	24.4
	20.1	21.0	20.6	21.6	22.2	20.1	21.1	20.7	21.7	22.3
	21.8	22.6	22.4	23.2	23.9	21.9	22.7	22.5	23.3	24.0
	22.5	23.2	23.2	23.8	24.6	22.6	23.3	23.2	23.9	24.7
	23.0	23.7	23.7	24.3	25.1	23.1	23.7	23.8	24.4	25.2
	23.2	23.8	23.9	24.4	25.2	23.3	23.9	24.0	24.5	25.3
	23.3	23.8	24.0	24.5	25.3	23.4	23.9	24.1	24.6	25.4
	22.8	23.3	23.4	24.0	24.8	22.8	23.4	23.5	24.1	24.9
	23.4	23.9	24.1	24.6	25.4	23.5	24.0	24.2	24.7	25.5
	23.6	24.0	24.4	24.8	25.6	23.7	24.1	24.5	24.9	25.7
	23.8	24.1	24.5	24.9	25.7	23.9	24.3	24.6	25.0	25.8
	23.2	23.7	23.9	24.4	25.2	23.2	23.7	23.9	24.4	25.2
	23.8	24.2	24.5	24.9	25.7	23.8	24.2	24.6	25.0	25.8
	24.0	24.3	24.7	25.1	25.9	24.1	24.4	24.8	25.2	26.0

Luminaire

Code A628-054
Name Plaff-on! 33 LED IP54

Measurem.

Code CL041A21F006G
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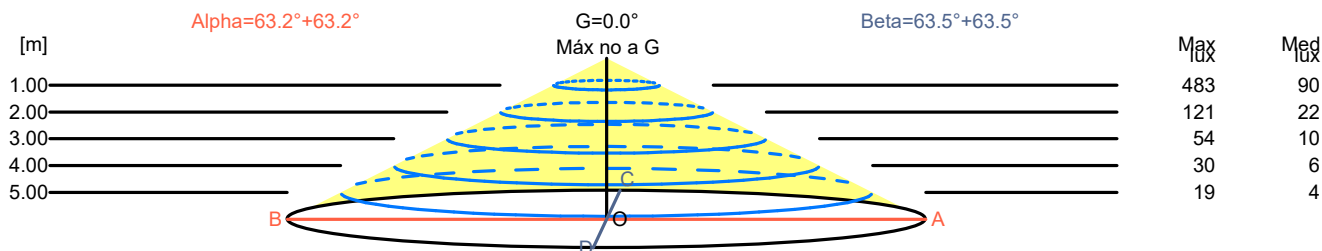
Luminaire Flux	2091.83 lm	Luminaire Power	24.81 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Sources Flux	2091.83 lm	Maximum value	498.66 cd	Position	C=90.00 G=20.00	CG	Double Symmetrical

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	1.98	3.97	5.95	7.93	9.91	OC	2.00	4.00	6.01	8.01	10.01
OB	1.98	3.97	5.95	7.93	9.91	OD	2.00	4.00	6.01	8.01	10.01

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	483.37	486.44	494.66	489.77	460.84	405.89	326.26	231.59	126.43	34.24
OB	483.37	486.44	494.66	489.77	460.84	405.89	326.26	231.59	126.43	34.24
OC	483.37	486.74	496.90	494.46	465.92	406.21	329.68	233.89	127.38	35.25
OD	483.37	486.74	496.90	494.46	465.92	406.21	329.68	233.89	127.38	35.25



H[m]	D[m]	Max lux	Med lux	Alpha=63.2°+63.2°	G=0.0 Máx no a G	
1.00	3.97	483	90			
2.00	7.93	121	22			
3.00	11.90	54	10			
4.00	15.86	30	6			
5.00	19.83	19	4			

H[m]	D[m]	Max lux	Med lux	Beta=63.5°+63.5°	G=0.0 Máx no a G	
1.00	4.00	483	90			
2.00	8.01	121	22			
3.00	12.01	54	10			
4.00	16.02	30	6			
5.00	20.02	19	4			

Luminaire

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Luminaire Flux	2091.83 lm	Luminaire Power	24.81 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Sources Flux	2091.83 lm	Maximum value	498.66 cd	Position	C=90.00 G=20.00	CG Double Symmetrical	

Utilizations CIE

Mounting	Direct				Normalization				Normalised				Suspension Ratid/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	341	306	299	270	291	258	222	189	201	172	163	123	135	92	160	132	116	110	88	110	93	80	68	
0.80	384	352	321	296	335	283	260	227	225	198	183	146	152	111	185	153	138	128	106	131	110	97	80	
1.00	413	384	330	309	365	296	289	258	240	215	198	163	165	127	202	168	154	142	121	147	125	111	90	
1.25	438	412	334	316	392	304	318	289	251	230	210	179	178	142	216	183	170	156	136	162	139	126	100	
1.50	455	433	334	319	412	307	341	314	259	240	220	191	188	155	226	194	182	168	149	174	151	138	108	
2.00	478	459	329	318	438	307	375	351	266	251	232	209	204	175	238	210	199	185	169	191	170	157	120	
2.50	492	477	324	315	455	306	399	378	271	258	241	220	215	190	246	220	211	198	183	203	183	171	129	
3.00	502	489	319	312	467	303	417	398	273	263	247	229	223	201	251	228	220	208	194	212	194	182	135	
4.00	516	505	313	308	484	300	442	426	276	268	255	240	235	217	257	238	232	221	210	224	209	198	144	
5.00	525	516	309	305	494	298	458	445	278	271	260	248	243	227	261	245	240	230	220	232	219	208	150	
10.00	542	538	299	297	516	292	496	488	281	277	270	264	260	252	269	260	257	251	245	250	242	233	164	
20.00	551	549	292	291	527	287	517	512	281	280	276	273	271	266	272	268	266	263	260	260	255	248	172	

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	447	428	395	380	418	372	329	314	300	287	252	236	217	202	281	238	233	207	199	229	200	195	177
0.80	508	489	436	422	475	412	386	369	343	330	295	277	258	241	320	278	272	246	237	266	237	230	208
1.00	550	531	461	448	513	436	428	410	372	359	325	307	288	270	346	306	299	274	265	292	264	255	230
1.25	587	569	479	468	548	455	468	449	397	384	353	335	317	298	369	332	325	301	291	315	288	278	250
1.50	614	597	492	482	573	467	498	480	415	403	373	356	339	320	386	351	344	321	311	333	307	295	265
2.00	644	629	499	491	601	476	536	518	432	422	396	380	365	347	402	371	365	345	335	351	328	314	279
2.50	662	650	502	495	619	479	561	545	442	433	410	396	383	366	411	384	378	361	352	362	342	326	288
3.00	673	662	501	496	630	480	578	563	447	439	419	406	394	378	416	392	387	371	362	369	351	333	294
4.00	693	684	505	500	648	484	605	592	458	452	435	424	414	399	426	406	402	389	381	382	367	347	304
5.00	706	699	508	505	661	488	624	613	466	461	446	437	428	415	434	417	413	402	395	391	378	357	312
10.00	736	731	515	513	690	496	668	661	484	481	472	466	461	453	451	441	439	432	427	413	405	380	330
20.00	746	743	512	511	700	494	688	684	487	485	481	477	474	469	455	449	448	444	441	419	415	388	335

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	531	511	495	479	499	469	391	375	376	363	314	298	269	254	354	299	293	258	251	288	251	245	228
0.80	638	616	587	570	597	556	488	469	466	450	401	381	352	333	436	380	373	337	327	365	326	317	299
1.00	721	699	657	641	676	624	569	548	538	521	474	452	424	402	502	448	440	405	394	429	390	379	359
1.25	801	779	722	707	750	686	648	626	607	591	546	523	497	473	567	516	507	473	461	492	455	440	420
1.50	861	840	769	755	807	733	710	688	660	644	602	579	554	529	616	568	559	527	514	541	506	488	467
2.00	948	929	835	824	889	799	805	782	738	723	687	664	644	618	690	648	639	612	598	615	585	562	540
2.50	1000	988	877	867	943	841	869	848	788	775	743	723	705	679	738	701	692	668	655	665	638	611	589
3.00	1000	1000	905	897	982	870	915	895	824	812	784	765	749	725	772	739	731	710	697	700	676	646	624
4.00	1000	1000	940	934	1000	905	976	958	869	859	836	819	806	785	814	788	781	763	752	745	725	691	668
5.00	1000	1000	961	956	1000	927	1000	999	896	888	868	854	843	824	841	818	812	797	787	773	756	718	695
10.00	1000	1000	1000	1000	1000	971	1000	1000	954	950	939	930	923	912	897	884	880	872	865	833	823	778	754
20.00	1000	1000	1000	1000	1000	994	1000	1000	986	983	977	972	969	962	927	920	918	913	910	866	861	812	786

LM53 SHR C0-C180: 1.440 SHR C90-C270: 1.453 SHR Square: 1.538

Luminaire

Code A628-054
Name Plaff-on! 33 LED IP54
Measurement
Code CL041A21F006G
Name Plaff-on! 33 LED IP54

Luminaire Flux	2091.83 lm	Luminaire Power	24.81 W	Efficacy	84.32 lm/W	Efficiency	100.00%
Sources Flux	2091.83 lm	Maximum value	498.66 cd	Position	C=90.00 G=20.00	CG Double Symmetrical	

Isolux (Floor)

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

