

Luminaire

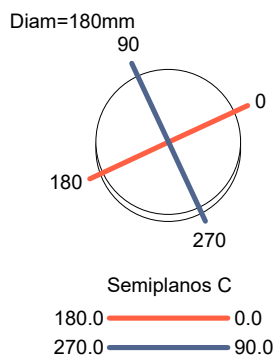
Code A706-003-47
Name Babila 18

Measurerm.

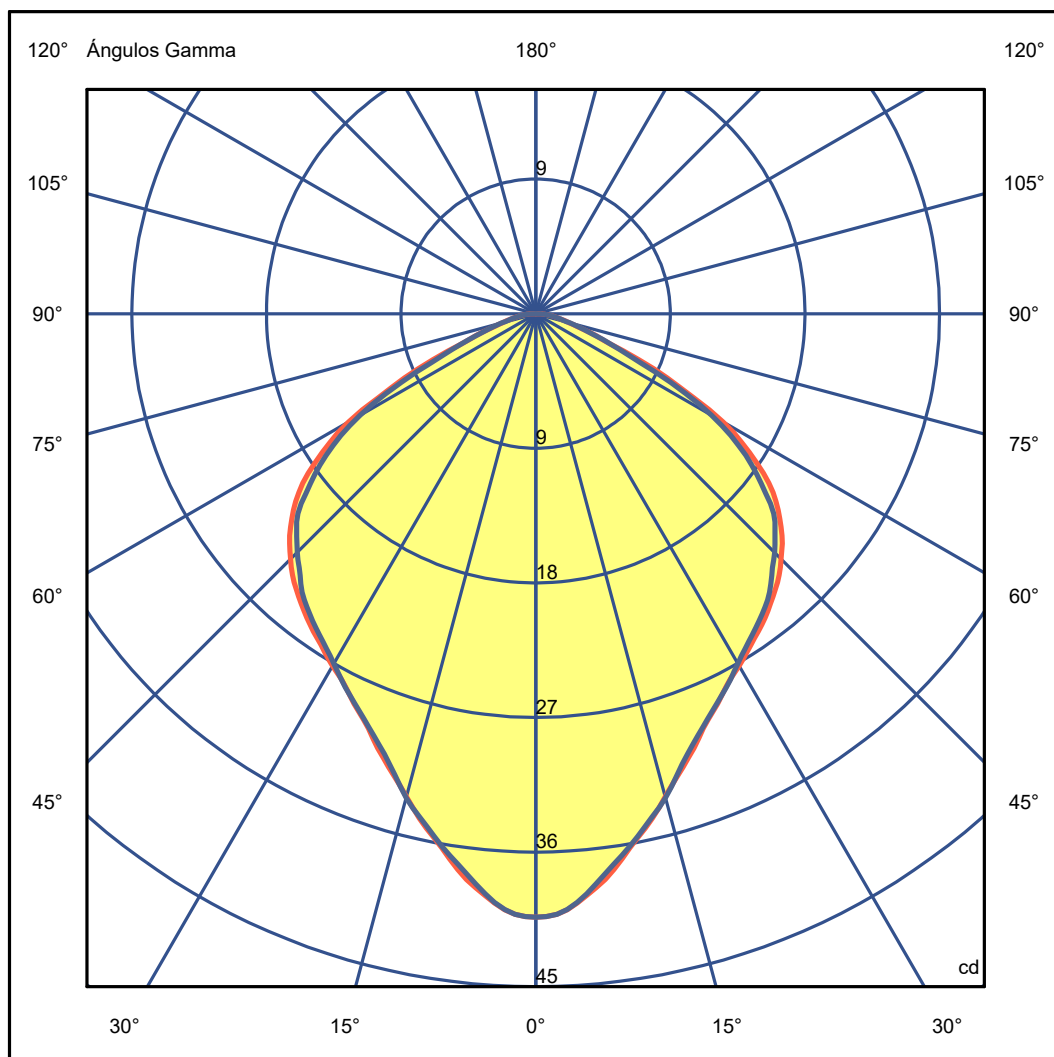
Code CL041A21F009G
Name Babila 18

Luminaire Flux	88.75 lm	Luminaire Power	7.51 W	Efficacy	11.81 lm/W	Efficiency	100.00%
Sources Flux	88.75 lm	Maximum value	40.35 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	180 mm 179 mm	Height Height	86 mm 0 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°		0.025165 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 0.006088 m2	
Coordinate system Date Measurement Distance		CG 15-02-2021 6.44		Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 90 88.75 lm	
Operator Temperature Humidity Notes		Asselum T2 25.20 °C 28.10 % RM21020302.9		Rated Voltage Rated Current Photocell		230.28 V 0.03 A Prc	

Line		Code		Luminaire Sources		Flux [lm]	Pow. [W]	Q.ty
		LED		Name LED		88.75	7.51	1
C.I.E.	51 86 98 100 100			D DIN 5040	A40			
F UTE	1.00 D			B NBN	BZ 4			



ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



Luminaire

Code A706-003-47

Name Babila 18

Measurem.

Code CL041A21F009G

Name Babila 18

Luminaire Flux	88.75 lm	Luminaire Power	7.51 W	Efficacy	11.81 lm/W	Efficiency	100.00%
Sources Flux	88.75 lm	Maximum value	40.35 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	40.35	40.35	40.35	40.35	40.35	40.35	40.35
G 2.5	40.06	40.08	40.01	39.93	39.95	40.05	40.05
G 5.0	39.03	39.18	39.07	39.00	39.00	39.03	38.93
G 7.5	37.82	37.79	37.76	37.81	37.80	37.79	37.47
G 10.0	36.26	36.39	36.45	36.39	36.44	36.25	36.16
G 12.5	34.90	35.05	34.87	34.87	34.81	34.91	34.79
G 15.0	33.43	33.67	33.59	33.44	33.36	33.49	33.50
G 17.5	32.10	32.22	32.23	32.21	32.13	32.12	31.94
G 20.0	30.90	30.88	30.94	30.93	31.03	30.83	30.66
G 22.5	29.68	29.84	29.85	29.85	29.84	29.75	29.61
G 25.0	28.77	28.92	28.84	28.83	28.77	28.82	28.70
G 27.5	27.84	28.02	28.03	27.97	27.92	27.90	27.87
G 30.0	27.18	27.27	27.25	27.30	27.25	27.22	27.01
G 32.5	26.52	26.60	26.64	26.61	26.57	26.44	26.27
G 35.0	25.93	26.03	25.97	25.95	25.82	25.85	25.64
G 37.5	25.32	25.44	25.35	25.28	25.16	25.15	25.00
G 40.0	24.66	24.74	24.73	24.60	24.51	24.40	24.30
G 42.5	24.02	24.03	24.04	23.94	23.84	23.67	23.38
G 45.0	23.19	23.21	23.35	23.21	23.05	22.81	22.57
G 47.5	22.34	22.42	22.36	22.27	22.00	21.98	21.68
G 50.0	21.29	21.38	21.46	21.17	21.01	20.80	20.77
G 52.5	20.11	20.12	20.28	20.11	19.88	19.56	19.18
G 55.0	18.59	18.35	18.74	18.56	18.57	18.01	17.62
G 57.5	16.62	16.55	16.76	16.67	16.57	16.01	15.77
G 60.0	14.47	14.41	14.22	14.20	13.94	13.83	13.56
G 62.5	11.35	11.36	11.50	11.42	11.20	10.75	10.73
G 65.0	8.70	8.82	8.49	8.92	8.55	8.36	7.72
G 67.5	5.87	6.20	6.19	6.24	6.21	5.62	5.72
G 70.0	4.27	4.45	4.18	4.20	4.12	4.11	4.24
G 72.5	3.05	3.20	3.05	2.95	2.93	3.05	3.19
G 75.0	2.35	2.39	2.30	2.28	2.32	2.35	2.35
G 77.5	1.89	1.85	1.77	1.79	1.85	1.84	1.77
G 80.0	1.46	1.48	1.40	1.38	1.45	1.43	1.43
G 82.5	1.14	1.17	1.06	1.06	1.11	1.14	1.13
G 85.0	0.81	0.83	0.80	0.73	0.79	0.80	0.81
G 87.5	0.51	0.54	0.50	0.47	0.50	0.50	0.48
G 90.0	0.38	0.38	0.34	0.32	0.31	0.31	0.29

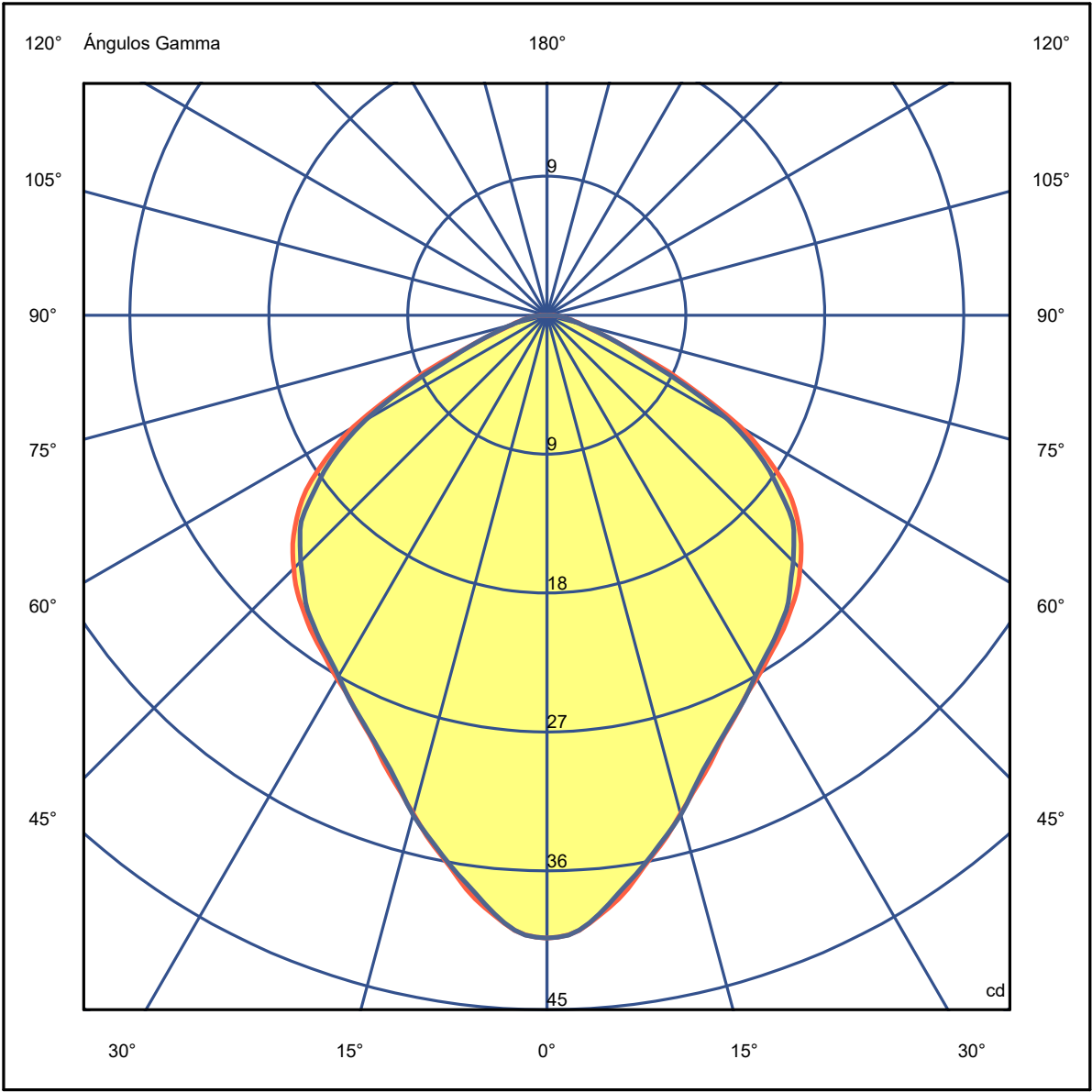
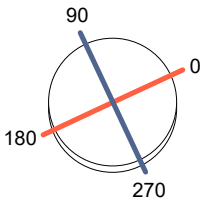
Luminaire
Code A706-003-47
Name Babila 18
Measurement
Code CL041A21F009G
Name Babila 18

Luminaire Flux	88.75 lm	Luminaire Power	7.51 W	Efficacy	11.81 lm/W	Efficiency	100.00%
Sources Flux	88.75 lm	Maximum value	40.35 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	

Diam=180mm

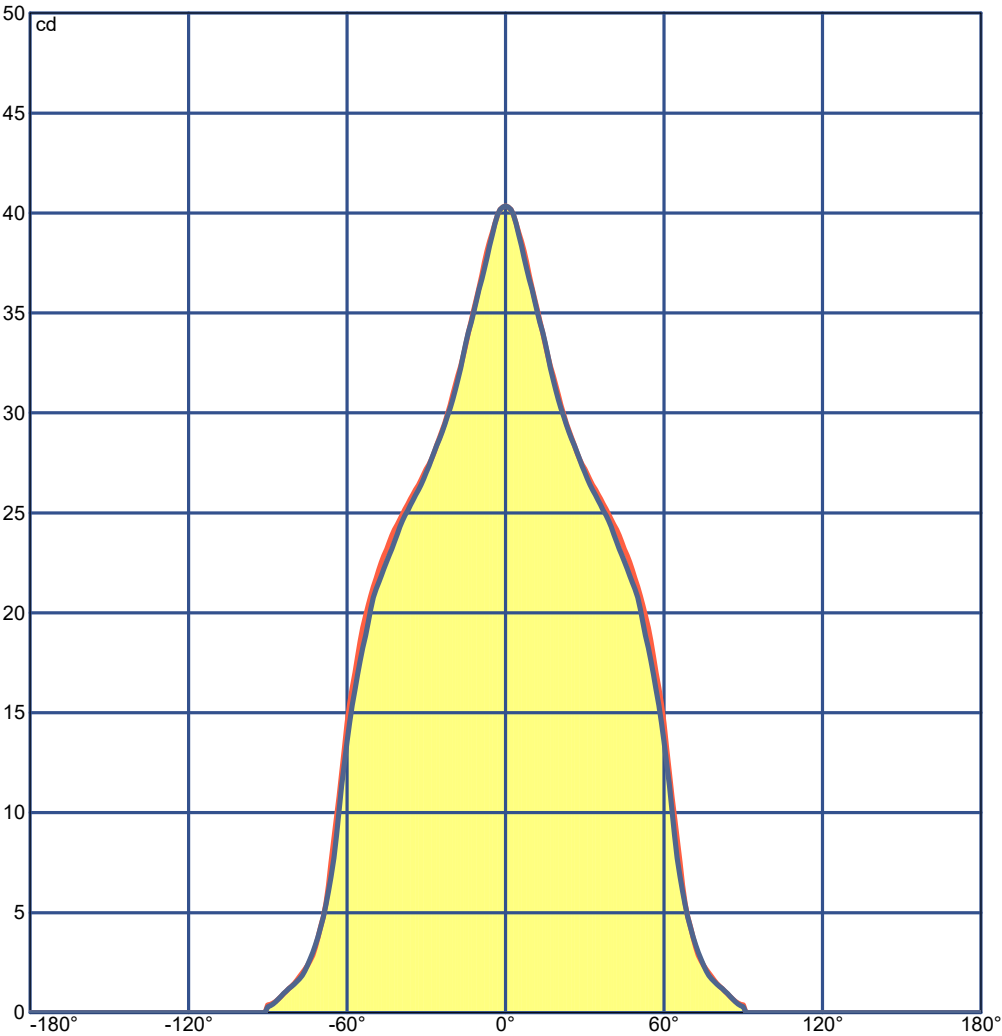
Semiplanos C

180.0 0.0
270.0 90.0



Luminaire
Code A706-003-47
Name Babila 18
Measurem.
Code CL041A21F009G
Name Babila 18

Luminaire Flux	88.75 lm	Luminaire Power	7.51 W	Efficacy	11.81 lm/W	Efficiency	100.00%
Sources Flux	88.75 lm	Maximum value	40.35 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	



Luminaire

Code A706-003-47
Name Babila 18

Measurement

Code CL041A21F009G
Name Babila 18

Luminaire Flux	88.75 lm	Luminaire Power	7.51 W	Efficacy	11.81 lm/W	Efficiency	100.00%
Sources Flux	88.75 lm	Maximum value	40.35 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
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	13.5	14.8	13.8	15.0	15.3	13.4	14.6	13.7	14.9	15.1
x=2H y=3H	14.1	15.2	14.4	15.5	15.7	13.8	15.0	14.2	15.2	15.5
x=2H y=4H	14.2	15.2	14.5	15.5	15.8	13.9	15.0	14.3	15.3	15.5
x=2H y=6H	14.2	15.2	14.5	15.5	15.8	14.0	14.9	14.3	15.2	15.6
x=2H y=8H	14.2	15.2	14.6	15.5	15.8	14.0	14.9	14.3	15.2	15.5
x=2H y=12H	14.2	15.1	14.6	15.4	15.8	14.0	14.9	14.4	15.2	15.6
x=4H y=2H	14.0	15.0	14.3	15.3	15.6	13.8	14.9	14.1	15.2	15.4
x=4H y=3H	14.5	15.4	14.9	15.7	16.1	14.3	15.2	14.7	15.5	15.9
x=4H y=4H	14.7	15.4	15.1	15.8	16.2	14.5	15.3	14.9	15.6	16.0
x=4H y=6H	14.8	15.5	15.2	15.8	16.2	14.6	15.3	15.0	15.6	16.0
x=4H y=8H	14.8	15.5	15.3	15.8	16.3	14.6	15.3	15.1	15.7	16.1
x=4H y=12H	14.9	15.4	15.3	15.9	16.3	14.7	15.3	15.1	15.7	16.1
x=8H y=4H	14.7	15.3	15.1	15.7	16.1	14.5	15.1	14.9	15.5	15.9
x=8H y=6H	14.8	15.4	15.3	15.8	16.2	14.7	15.2	15.1	15.6	16.1
x=8H y=8H	14.9	15.4	15.4	15.8	16.3	14.8	15.2	15.2	15.7	16.1
x=8H y=12H	15.0	15.4	15.5	15.9	16.4	14.9	15.3	15.4	15.7	16.2
x=12H y=4H	14.8	15.3	15.2	15.7	16.2	14.6	15.2	15.0	15.6	16.0
x=12H y=6H	14.9	15.4	15.4	15.8	16.3	14.8	15.2	15.2	15.7	16.1
x=12H y=8H	15.0	15.4	15.5	15.9	16.4	14.9	15.3	15.4	15.7	16.2

Luminaire

Code A706-003-47
Name Babila 18

Measurement

Code CL041A21F009G
Name Babila 18

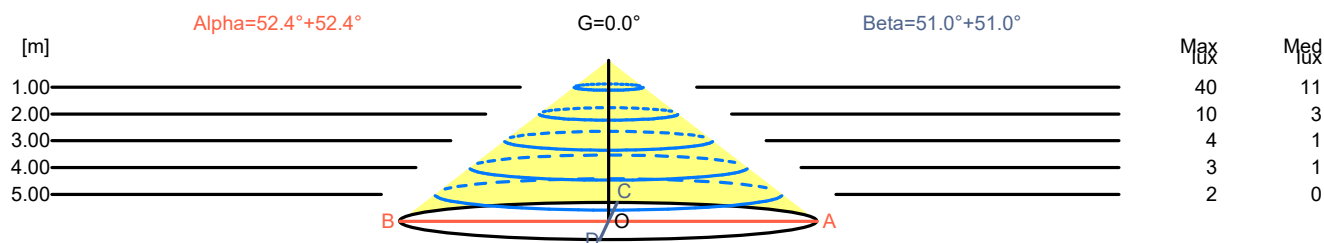
Luminaire Flux	88.75 lm	Luminaire Power	7.51 W	Efficacy	11.81 lm/W	Efficiency	100.00%
Sources Flux	88.75 lm	Maximum value	40.35 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.30	2.59	3.89	5.19	6.48	OC	1.24	2.47	3.71	4.94	6.18
OB	1.30	2.59	3.89	5.19	6.48	OD	1.24	2.47	3.71	4.94	6.18

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	40.35	39.03	33.43	28.77	25.93	23.19	18.59	8.70	2.35	0.81
OB	40.35	39.03	33.43	28.77	25.93	23.19	18.59	8.70	2.35	0.81
OC	40.35	38.93	33.50	28.70	25.64	22.57	17.62	7.72	2.35	0.81
OD	40.35	38.93	33.50	28.70	25.64	22.57	17.62	7.72	2.35	0.81



H[m]	D[m]	Max lux	Med lux	Alpha=52.4°+52.4°	G=0.0	
1.00	2.59	40	11			
2.00	5.19	10	3			
3.00	7.78	4	1			
4.00	10.38	3	1			
5.00	12.97	2	0			

H[m]	D[m]	Max lux	Med lux	Beta=51.0°+51.0°	G=0.0	
1.00	2.47	40	11			
2.00	4.94	10	3			
3.00	7.41	4	1			
4.00	9.88	3	1			
5.00	12.35	2	0			

Luminaire

Code A706-003-47

Name Babila 18

Measurerm.

Code CL041A21F009G

Name Babila 18

Luminaire Flux	88.75 lm	Luminaire Power	7.51 W	Efficacy	11.81 lm/W	Efficiency	100.00%
Sources Flux	88.75 lm	Maximum value	40.35 cd	Position	C=0.00 G=0.00	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	216	194	169	152	184	145	111	94	86	73	46	35	17	12	69	37	33	14	11	31	12	10	0
0.80	248	227	177	163	216	156	139	122	97	85	55	44	23	17	80	46	41	20	16	39	17	15	0
1.00	269	250	176	165	238	158	162	144	103	92	61	51	29	23	86	52	48	25	22	46	22	20	0
1.25	288	271	172	163	258	156	185	168	106	97	67	57	36	29	91	59	54	32	28	52	28	26	0
1.50	301	286	167	159	273	154	204	187	108	100	72	63	42	35	94	63	60	38	33	57	34	31	0
2.00	319	306	156	150	292	145	232	217	109	102	78	70	52	45	97	70	67	47	43	64	43	40	0
2.50	331	320	148	144	306	140	253	240	109	104	82	75	59	52	99	75	72	55	51	69	51	47	0
3.00	339	330	142	139	315	135	269	256	109	104	85	79	65	59	100	79	76	61	57	73	57	53	0
4.00	352	344	135	133	329	130	291	281	109	106	90	85	73	68	101	84	82	69	65	79	65	62	0
5.00	360	354	131	130	339	127	306	297	109	107	93	89	79	74	103	88	86	75	72	83	71	68	0
10.00	378	374	122	122	359	120	340	335	110	108	100	98	91	88	105	96	95	88	86	93	85	82	0
20.00	387	385	117	116	370	115	359	356	109	109	104	103	99	97	106	101	100	96	95	98	93	91	0

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	462	450	403	394	444	390	350	342	315	309	264	259	227	225	306	260	258	226	225	257	225	224	204
0.80	512	499	430	423	490	417	399	390	348	342	298	293	261	259	338	293	291	259	258	290	258	257	233
1.00	542	530	442	435	519	429	433	422	366	361	320	314	284	281	355	314	312	281	280	310	279	278	251
1.25	567	555	447	441	541	435	462	451	380	374	337	331	303	299	368	330	328	300	298	325	297	295	265
1.50	584	573	449	444	558	437	484	473	388	383	349	344	317	313	376	342	340	313	311	336	310	307	274
2.00	598	589	440	436	570	429	508	497	390	386	357	352	330	325	377	349	347	324	322	342	320	317	280
2.50	607	599	433	430	578	423	524	514	390	387	362	357	338	333	378	353	351	332	329	346	327	322	283
3.00	612	604	426	424	582	417	534	525	389	386	364	360	343	338	376	355	353	336	333	347	330	325	283
4.00	627	620	426	424	596	417	557	548	395	392	375	371	357	352	382	365	363	349	346	356	342	336	291
5.00	640	635	430	429	610	422	576	568	403	401	386	382	370	366	390	375	374	361	359	366	354	347	301
10.00	687	684	456	455	655	448	635	630	437	436	426	424	416	413	424	415	414	406	404	404	396	388	337
20.00	731	729	487	487	698	480	686	684	474	473	467	466	461	459	461	455	455	450	449	444	439	429	377

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	604	592	564	555	584	549	469	462	452	446	386	382	339	337	442	382	381	338	337	379	337	336	319
0.80	721	707	664	655	695	647	582	572	555	548	490	484	440	437	542	483	481	438	437	479	436	435	418
1.00	810	795	738	729	780	720	672	660	636	628	573	566	524	520	620	565	562	520	518	559	518	516	499
1.25	892	878	804	796	858	786	758	745	710	703	651	644	604	599	693	642	639	600	597	634	596	593	577
1.50	951	937	850	843	915	832	822	808	763	757	709	701	665	659	745	698	695	659	656	689	654	650	634
2.00	1000	1000	913	907	997	895	917	903	840	834	794	787	756	749	821	781	778	747	744	770	740	735	720
2.50	1000	1000	950	945	1000	933	977	964	887	882	847	840	813	806	867	833	830	803	799	820	795	787	774
3.00	1000	1000	974	971	1000	959	1000	1000	919	914	884	878	854	847	898	869	866	842	839	855	832	824	811
4.00	1000	1000	1000	1000	1000	988	1000	1000	956	952	928	922	902	896	935	911	908	889	885	896	877	866	854
5.00	1000	1000	1000	1000	1000	1000	1000	1000	978	975	954	949	932	926	956	936	934	917	913	919	903	891	880
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	994	990	1000	988	986	976	974	969	959	944	933
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	997	991	973	962

LM53 SHR C0-C180: 0.997 SHR C90-C270: 0.997 SHR Square: 1.259

Luminaire
Code A706-003-47
Name Babila 18
Measurement
Code CL041A21F009G
Name Babila 18

Luminaire Flux	88.75 lm	Luminaire Power	7.51 W	Efficacy	11.81 lm/W	Efficiency	100.00%
Sources Flux	88.75 lm	Maximum value	40.35 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	

Isolux (Floor)

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

