

Luminaire

Code A628-006 37
Name Plaff-on! 20

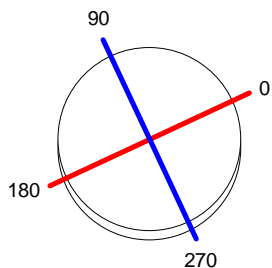
Measur.

Code A628-006 37
Name Plaff-on! 20

Luminaire Flux	581.35 lm	Luminaire Power	9.00 W	Efficacy	64.59 lm/W	Efficiency	100.00%
Lamps Flux	581.35 lm	Maximum value	273.00 cd/klm	Position	C=90.00 G=20.00	CG Double Symmetrical	
Round Luminaire		Diam.	200 mm	Height	100 mm		
Round Luminous Area		Diam.	194 mm	Height	0 mm		
Horizontal Luminous Area		0.029559 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.007151 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		15-12-2016		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		581.35 lm	
Operator		Asselum T2		Source voltage		230.00 V	
Temperature		25.00 °C		Source current			
Humidity		51.00 %		Photocell		Prc	
Notes		CG					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
- MARSET		A628-006 37		Name Lámpara led 9.51W		581.35	9.00	1
C.I.E.	45 77 95 90 100			D DIN 5040	B31			
F UTE	0.90 E + 0.10 T			B NBN	BZ 5			

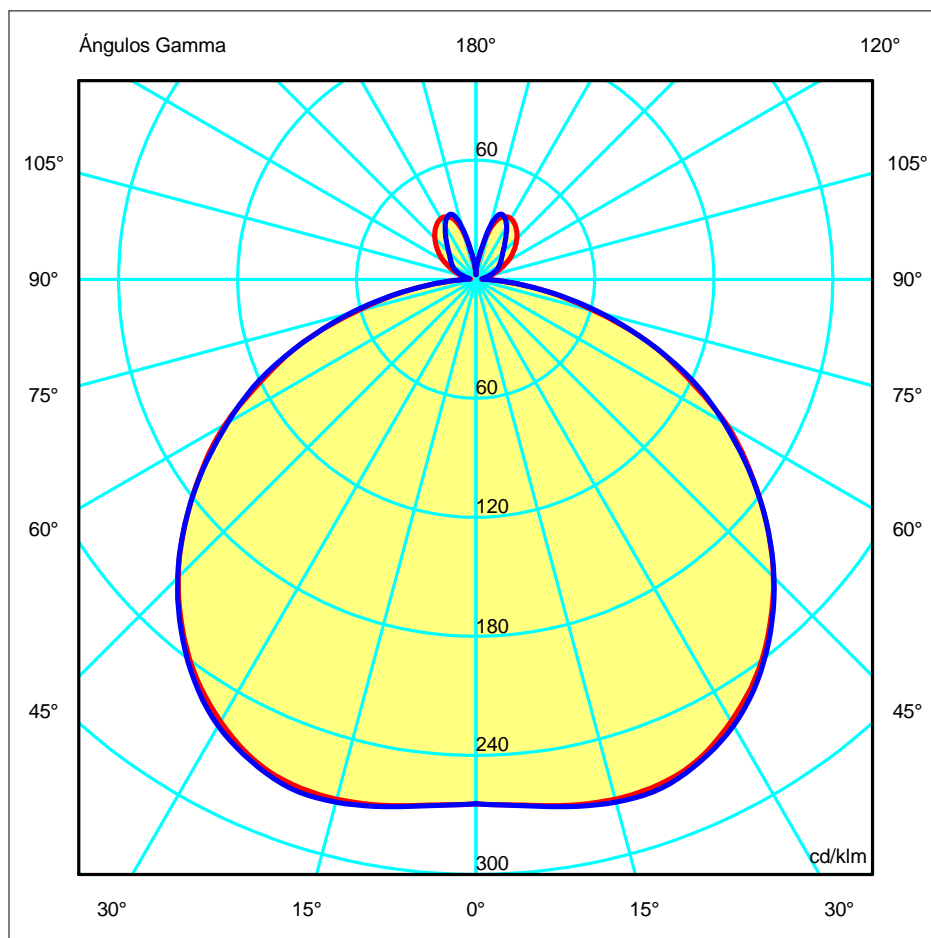
Diam=200mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 9.97 %
DLOR 90.03 %
RN 9.97 %



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Measurment

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Luminaire Flux	581.35 lm	Luminaire Power	9.00 W	Efficacy	64.59 lm/W	Efficiency	100.00%
Lamps Flux	581.35 lm	Maximum value	273.00 cd/klm	Position	C=90.00 G=20.00	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	264.35	264.35	264.35	264.35	264.35	264.35	264.35
G 5.0	266.00	266.29	266.26	265.97	266.44	266.38	266.22
G 10.0	269.13	269.27	269.18	269.08	269.95	269.72	269.86
G 15.0	271.19	270.86	271.40	271.16	272.60	272.44	272.74
G 20.0	270.82	270.25	270.84	270.94	272.35	272.52	273.00
G 25.0	266.48	266.14	266.08	265.78	267.80	268.44	267.95
G 30.0	257.24	256.35	257.20	257.53	258.99	259.23	259.81
G 35.0	245.46	245.04	245.19	245.29	246.44	247.01	247.24
G 40.0	230.05	229.00	230.30	230.15	231.14	230.74	231.13
G 45.0	212.14	211.69	211.88	211.82	213.04	212.75	212.53
G 50.0	191.20	192.12	191.31	191.72	192.45	192.79	191.28
G 55.0	168.92	168.55	169.33	169.63	169.50	168.88	168.30
G 60.0	145.69	146.65	145.50	144.32	144.77	145.54	144.35
G 65.0	117.85	117.47	118.67	120.27	118.48	117.97	120.43
G 70.0	92.68	92.61	91.43	90.14	92.58	93.14	92.25
G 75.0	62.41	62.78	63.49	65.12	65.25	63.98	65.03
G 80.0	38.07	38.06	38.28	37.70	38.46	38.81	38.64
G 85.0	16.45	16.47	16.65	16.81	16.79	16.85	17.16
G 90.0	4.05	4.60	4.51	5.12	4.92	5.49	4.98
G 95.0	3.27	3.13	2.89	2.84	2.92	3.09	3.42
G100.0	5.15	4.93	4.55	4.33	4.27	4.35	4.61
G105.0	7.55	7.23	6.81	6.58	6.23	6.03	6.51
G110.0	11.26	10.76	9.58	8.82	8.51	8.79	8.96
G115.0	14.84	14.05	13.01	11.72	11.19	11.25	11.76
G120.0	18.93	18.14	16.28	14.59	13.93	13.73	13.57
G125.0	22.54	21.56	19.50	17.38	16.29	15.75	15.23
G130.0	26.00	24.94	23.12	20.37	18.46	17.76	16.97
G135.0	29.21	27.92	26.20	23.93	21.34	20.04	19.35
G140.0	31.98	30.35	28.75	26.79	24.87	23.04	22.55
G145.0	34.11	32.55	30.53	29.13	28.31	26.71	26.48
G150.0	35.32	33.43	31.55	30.54	30.65	30.50	30.95
G155.0	34.90	32.90	31.55	30.97	32.24	33.44	34.37
G160.0	32.03	30.26	29.73	29.88	31.29	33.22	34.79
G165.0	24.90	23.22	21.53	23.15	26.01	26.98	27.57
G170.0	14.25	14.84	14.98	14.92	15.05	15.70	14.71
G175.0	7.21	8.35	6.50	8.28	8.02	9.69	8.99
G180.0	2.33	2.32	2.33	2.36	2.43	2.41	2.42

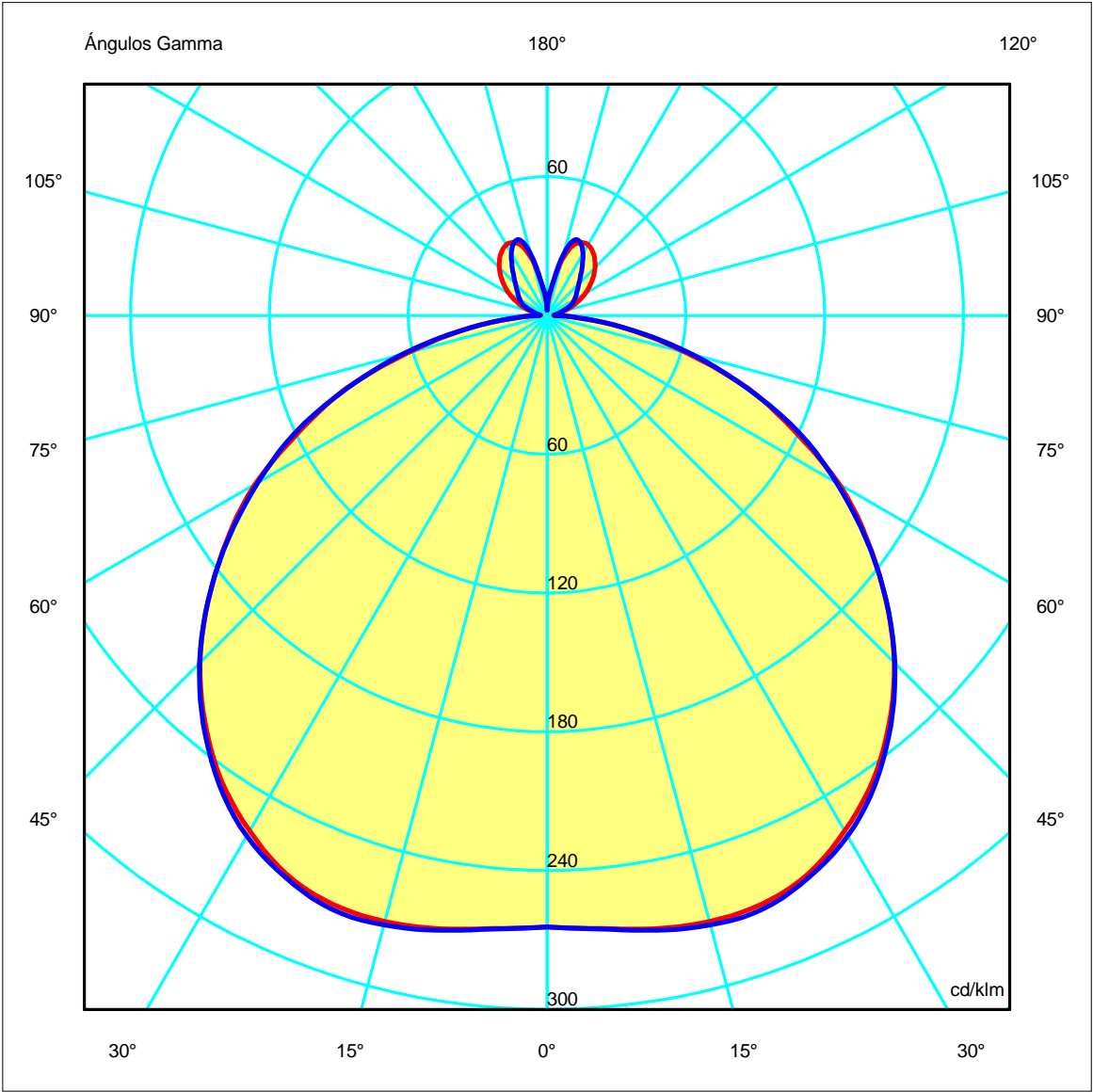
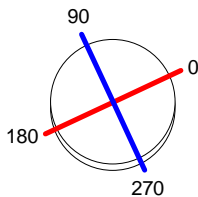
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Lamps Flux	581.35 lm	Maximum value	273.00 cd/klm	Position	C=90.00 G=20.00	CG	Double Symmetrical

Diam=200mm

Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



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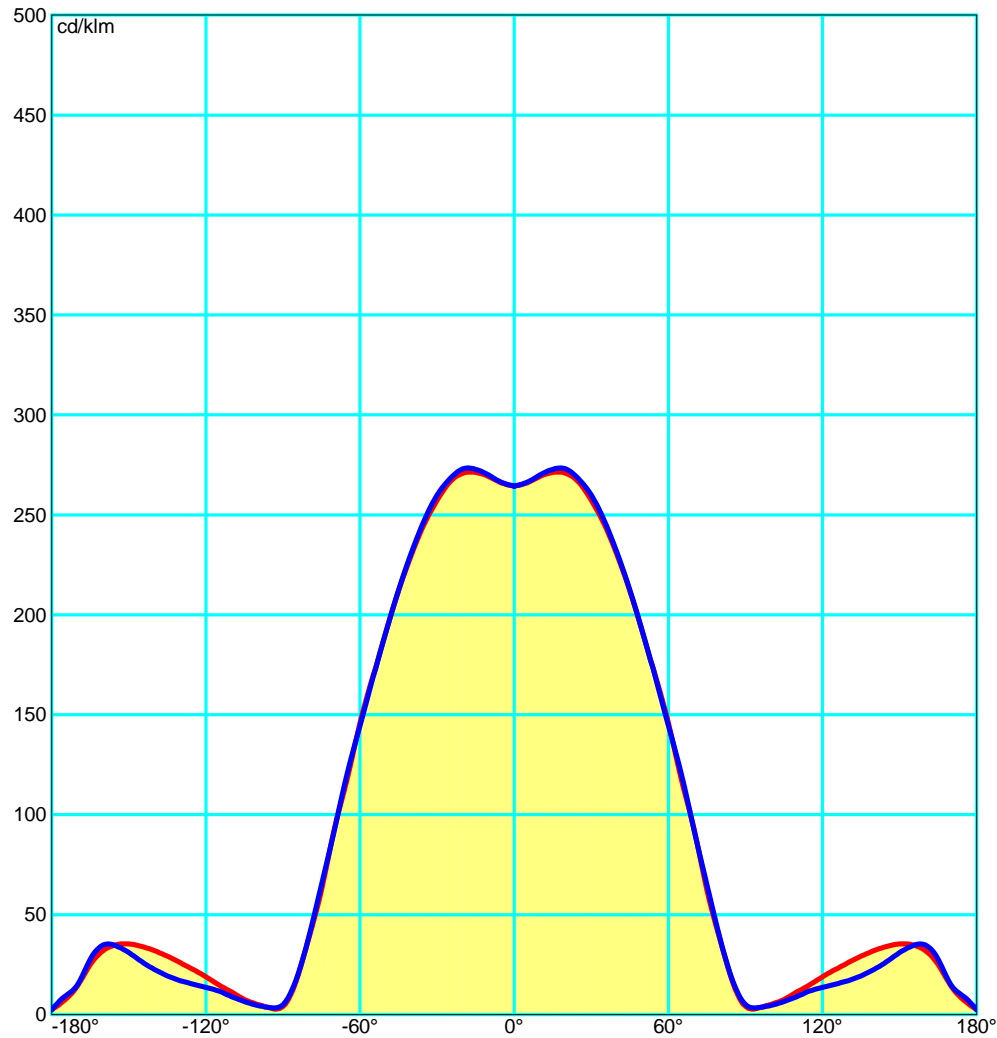
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UGR
S = 0.250

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	18.1	19.3	18.6	19.7	20.2	18.1	19.3	18.5	19.7	20.2
x=2H y=3H	19.8	20.9	20.3	21.3	21.8	19.8	20.9	20.3	21.4	21.8
x=2H y=4H	20.4	21.5	20.9	21.9	22.5	20.5	21.5	21.0	22.0	22.5
x=2H y=6H	20.9	21.9	21.4	22.3	22.9	21.0	21.9	21.5	22.4	22.9
x=2H y=8H	21.0	22.0	21.6	22.5	23.0	21.1	22.0	21.6	22.5	23.0
x=2H y=12H	21.1	22.0	21.7	22.5	23.1	21.2	22.1	21.7	22.6	23.1
x=4H y=2H	18.9	19.9	19.4	20.4	20.9	18.9	19.9	19.4	20.4	20.9
x=4H y=3H	20.7	21.6	21.2	22.1	22.7	20.7	21.6	21.3	22.1	22.7
x=4H y=4H	21.5	22.2	22.0	22.8	23.4	21.5	22.3	22.1	22.8	23.4
x=4H y=6H	22.0	22.7	22.6	23.3	23.9	22.1	22.8	22.7	23.3	23.9
x=4H y=8H	22.2	22.9	22.8	23.4	24.1	22.3	22.9	22.9	23.5	24.1
x=4H y=12H	22.4	22.9	23.0	23.5	24.2	22.5	23.0	23.0	23.6	24.2
x=8H y=4H	21.8	22.4	22.4	23.0	23.6	21.8	22.5	22.4	23.0	23.6
x=8H y=6H	22.5	23.0	23.1	23.6	24.3	22.6	23.1	23.2	23.7	24.3
x=8H y=8H	22.8	23.2	23.4	23.8	24.6	22.9	23.3	23.5	23.9	24.6
x=8H y=12H	23.0	23.4	23.6	24.0	24.8	23.1	23.5	23.7	24.1	24.8
x=12H y=4H	21.8	22.4	22.4	23.0	23.7	21.9	22.4	22.5	23.0	23.7
x=12H y=6H	22.6	23.0	23.2	23.6	24.4	22.6	23.1	23.3	23.7	24.4
x=12H y=8H	22.9	23.3	23.5	23.9	24.7	23.0	23.3	23.6	24.0	24.7

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Flujo Total=581.35 Flujo Luminaria=581.35

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	0.37	0.45	0.52	0.58	0.66	0.72	0.77	0.82	0.85	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

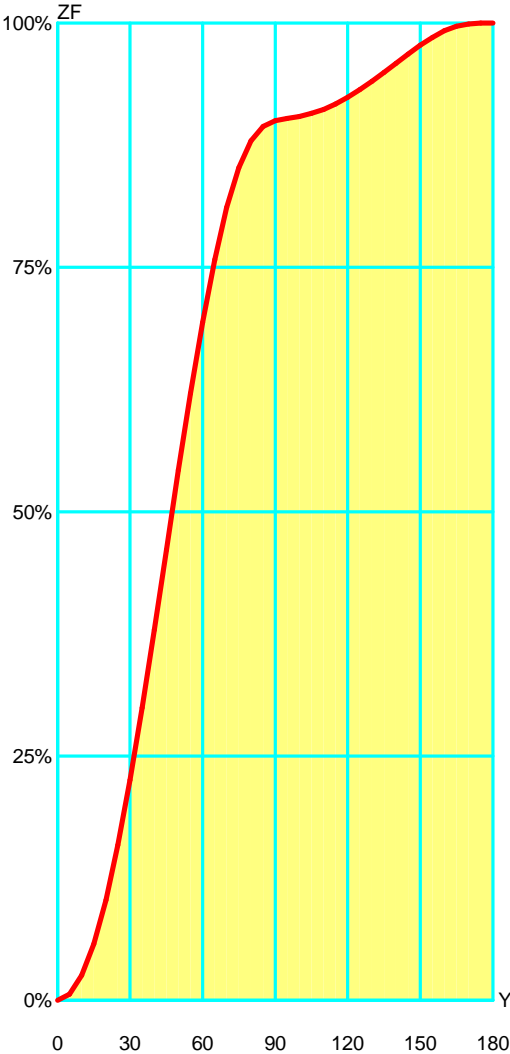
Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	26	102	225	379	543	694	811	879	900	904	912	924	940	959	977	992	999	1000

Códigos de Flujo C.I.E.
45 77 95 90 100

C.I.E. 5
D DIN 5040 B31
F UTE 0.90 E + 0.10 T
B NBN BZ 5
RN 9.97246 %
BLF 1.0

LOR 100.00000 %
ULOR 9.97246 %
DLOR 90.02754 %
UFF 9.97246 %
DFF 90.02754 %
FFR 11.07712 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	6.34	6.34	0.63 %	0.63 %
10°	19.16	25.51	1.92 %	2.55 %
15°	32.10	57.61	3.21 %	5.76 %
20°	44.77	102.38	4.48 %	10.24 %
25°	56.47	158.84	5.65 %	15.88 %
30°	66.42	225.27	6.64 %	22.53 %
35°	74.20	299.46	7.42 %	29.95 %
40°	79.45	378.91	7.95 %	37.89 %
45°	81.95	460.86	8.19 %	46.09 %
50°	81.67	542.53	8.17 %	54.25 %
55°	78.50	621.03	7.85 %	62.10 %
60°	72.67	693.70	7.27 %	69.37 %
65°	64.17	757.87	6.42 %	75.79 %
70°	53.36	811.23	5.34 %	81.12 %
75°	40.81	852.04	4.08 %	85.20 %
80°	27.38	879.42	2.74 %	87.94 %
85°	14.95	894.36	1.49 %	89.44 %
90°	5.91	900.28	0.59 %	90.03 %
95°	2.16	902.44	0.22 %	90.24 %
100°	2.06	904.50	0.21 %	90.45 %
105°	3.00	907.50	0.30 %	90.75 %
110°	4.20	911.70	0.42 %	91.17 %
115°	5.53	917.23	0.55 %	91.72 %
120°	6.78	924.02	0.68 %	92.40 %
125°	7.79	931.81	0.78 %	93.18 %
130°	8.53	940.34	0.85 %	94.03 %
135°	9.09	949.43	0.91 %	94.94 %
140°	9.41	958.83	0.94 %	95.88 %
145°	9.42	968.25	0.94 %	96.82 %
150°	9.02	977.26	0.90 %	97.73 %
155°	8.13	985.40	0.81 %	98.54 %
160°	6.70	992.10	0.67 %	99.21 %
165°	4.60	996.70	0.46 %	99.67 %
170°	2.34	999.05	0.23 %	99.90 %
175°	0.83	999.87	0.08 %	99.99 %
180°	0.13	1000.00	0.01 %	100.00 %

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Utilizations CIE

Mounting	Direct		Normalization		Normalised		Suspension Ratio		Standard CIE Settings	
							Ceiling			
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551
0.60	286	257	243	219	245	209	173	147	151	129
0.80	326	299	260	240	284	229	207	181	170	149
1.00	352	327	266	249	311	239	233	208	181	162
1.25	374	353	267	253	336	243	260	236	189	173
1.50	391	371	265	254	353	244	281	258	195	180
2.00	411	395	258	249	377	241	312	292	199	188
2.50	424	410	251	244	392	237	335	317	201	192
3.00	433	421	245	240	402	233	351	335	202	195
4.00	445	436	238	234	417	228	375	362	204	198
5.00	453	446	233	230	427	225	391	379	205	200
10.00	469	466	221	220	447	216	426	419	205	203
20.00	478	476	214	213	457	210	446	443	205	203

Wall

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551
0.60	459	443	404	392	435	386	342	330	311	302
0.80	519	503	444	433	491	425	400	386	354	344
1.00	560	544	468	457	529	448	441	427	383	372
1.25	596	581	485	476	563	465	480	465	407	397
1.50	622	608	496	489	588	477	510	495	424	415
2.00	650	638	501	495	614	483	547	532	439	431
2.50	667	656	502	497	630	485	570	557	447	441
3.00	677	667	500	496	639	484	586	574	451	445
4.00	695	687	502	499	656	487	613	602	461	456
5.00	707	701	505	502	669	490	631	622	468	464
10.00	735	731	509	508	695	496	673	667	483	481
20.00	742	740	504	503	702	491	690	687	484	483

Working Pl.

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551
0.60	555	539	518	505	528	496	416	404	401	390
0.80	663	644	611	597	629	585	516	500	492	480
1.00	747	728	681	668	708	654	598	581	565	553
1.25	827	808	745	733	784	717	679	661	636	623
1.50	887	869	792	781	840	763	742	723	689	677
2.00	974	958	858	849	923	830	837	819	768	757
2.50	1000	1000	899	892	978	871	902	884	818	809
3.00	1000	1000	927	921	1000	900	948	932	854	845
4.00	1000	1000	961	956	1000	935	1000	994	898	891
5.00	1000	1000	982	978	1000	956	1000	1000	925	919
10.00	1000	1000	1000	1000	1000	999	1000	1000	982	979
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

LM53 SHR C0-C180: 1.413 SHR C90-C270: 1.427 SHR Square: 1.504

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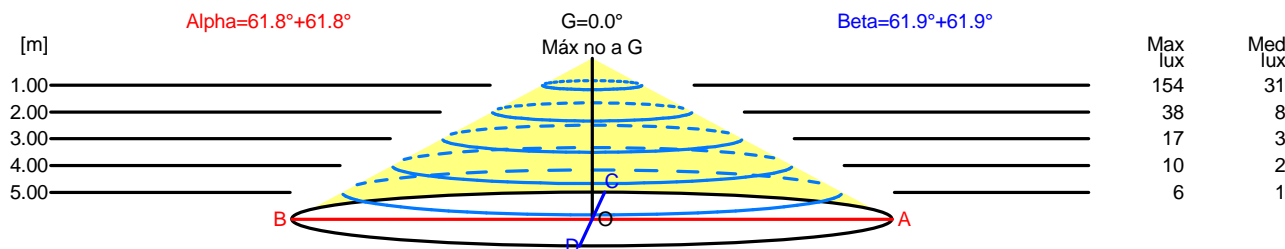
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Width at 50.00 % of Max Intensity

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	1.87	3.73	5.60	7.46	9.33	OC	1.87	3.74	5.61	7.48	9.35
OB	1.87	3.73	5.60	7.46	9.33	OD	1.87	3.74	5.61	7.48	9.35

	0	5	15	25	35	45	55	65	75	85
OA	153.68	154.64	157.66	154.92	142.70	123.33	98.20	68.51	36.28	9.56
OB	153.68	154.64	157.66	154.92	142.70	123.33	98.20	68.51	36.28	9.56
OC	153.68	154.77	158.56	155.77	143.73	123.55	97.84	70.01	37.81	9.98
OD	153.68	154.77	158.56	155.77	143.73	123.55	97.84	70.01	37.81	9.98



H[m]	D[m]	Max lux	Med lux	$\alpha = 61.8^\circ + 61.8^\circ$	$\beta = 61.9^\circ + 61.9^\circ$	G=0.0 Máx no a G
1.00	3.73	154	31			
2.00	7.46	38	8			
3.00	11.19	17	3			
4.00	14.93	10	2			
5.00	18.66	6	1			

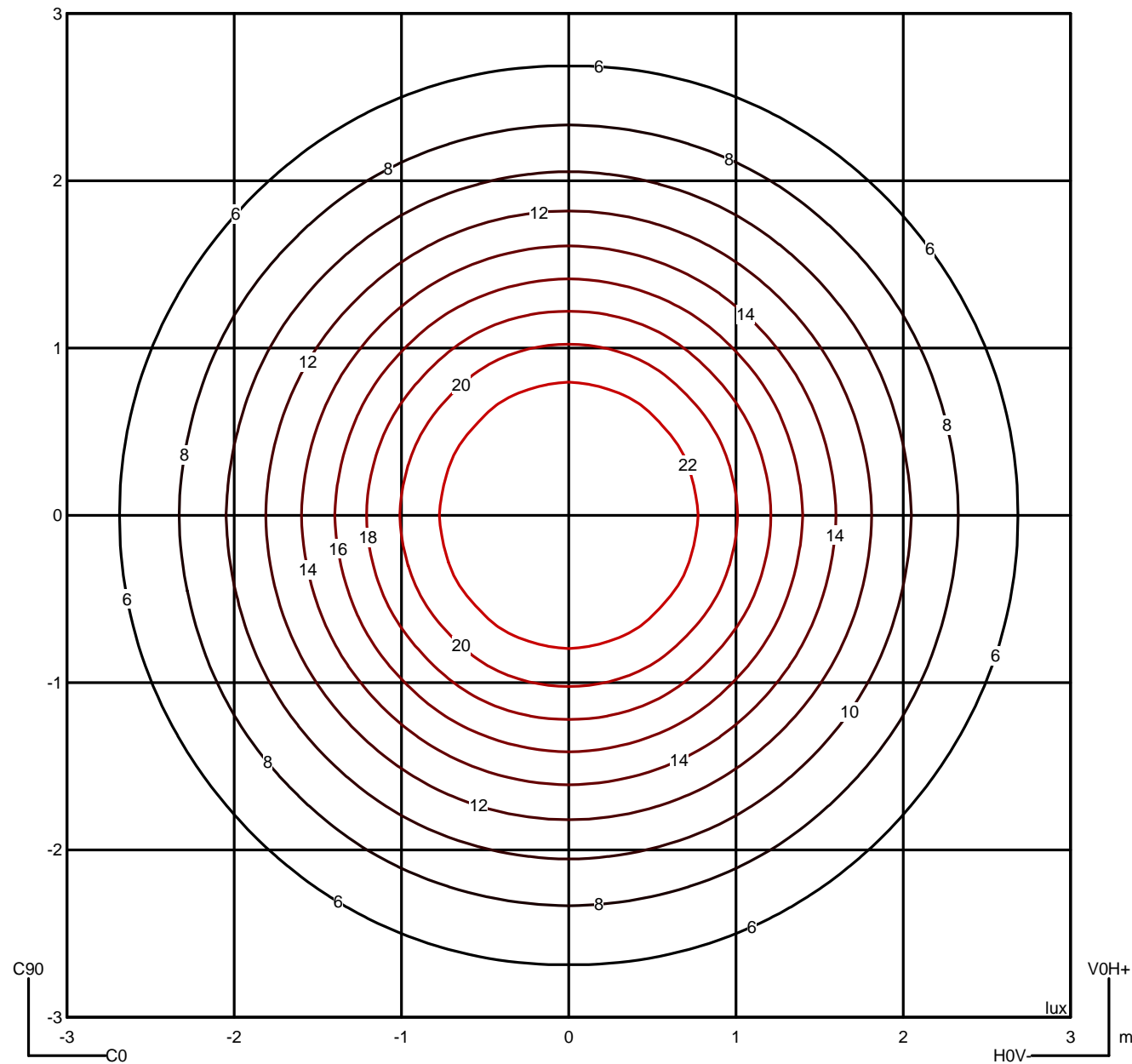
H[m]	D[m]	Max lux	Med lux	$\alpha = 61.8^\circ + 61.8^\circ$	$\beta = 61.9^\circ + 61.9^\circ$	G=0.0 Máx no a G
1.00	3.74	154	31			
2.00	7.48	38	8			
3.00	11.22	17	3			
4.00	14.96	10	2			
5.00	18.70	6	1			

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Isolux (Floor)

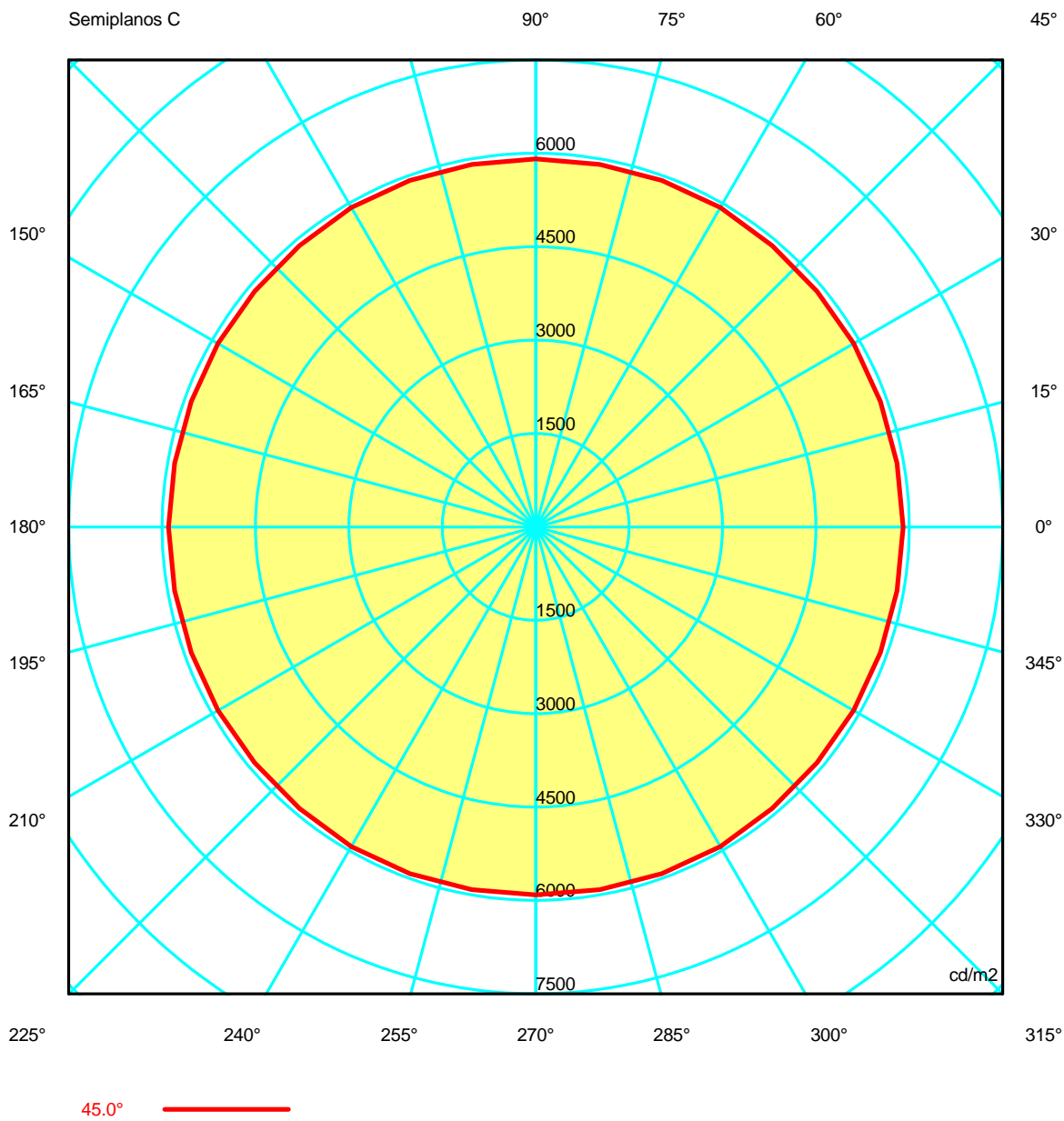
Luminaire position X=0.00m Y=0.00m Z=2.50m



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Luminance



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Lamps Flux		581.35 lm		Maximum value		273.00 cd/klm		Position		C=90.00 G=20.00		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	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	
G 5.0	5251.56	5255.72	5258.18	5256.75	5251.55	5253.20	5260.24	5260.53	5257.85	5255.85	5257.85	5260.53	5260.24	5251.56	
G 10.0	5374.79	5376.95	5377.78	5375.77	5372.15	5379.19	5391.06	5388.06	5386.05	5389.35	5386.05	5388.06	5391.06	5374.79	
G 15.0	5521.86	5514.80	5518.92	5526.06	5520.33	5529.58	5550.41	5548.31	5547.23	5553.33	5547.23	5548.31	5550.41	5521.86	
G 20.0	5668.10	5657.18	5659.54	5668.58	5669.98	5679.44	5700.27	5702.56	5705.47	5713.75	5705.47	5702.56	5700.27	5668.10	
G 25.0	5782.88	5776.73	5774.98	5774.15	5765.45	5779.17	5811.35	5825.17	5823.10	5814.67	5823.10	5825.17	5811.35	5782.88	
G 30.0	5841.86	5823.94	5826.23	5840.92	5844.33	5858.59	5881.72	5886.78	5889.67	5900.21	5889.67	5886.78	5881.72	5841.86	
G 35.0	5893.27	5885.04	5883.91	5886.81	5888.46	5896.95	5916.89	5927.85	5932.66	5936.19	5932.66	5927.85	5916.89	5893.27	
G 40.0	5906.32	5881.14	5888.60	5912.66	5909.70	5916.01	5934.28	5928.62	5924.11	5934.11	5924.11	5928.62	5934.28	5906.32	
G 45.0	5900.42	5889.78	5889.45	5893.30	5892.22	5902.16	5925.60	5922.97	5913.66	5911.23	5913.66	5922.97	5925.60	5900.42	
G 50.0	5850.17	5875.17	5872.24	5853.63	5858.30	5873.70	5888.40	5900.42	5888.81	5852.73	5888.81	5900.42	5888.40	5850.17	
G 55.0	5791.97	5779.28	5786.04	5806.21	5815.43	5816.65	5812.08	5798.70	5783.69	5770.88	5783.69	5798.70	5812.08	5791.97	
G 60.0	5730.54	5763.71	5760.91	5723.34	5686.61	5676.13	5694.70	5720.92	5716.63	5677.81	5716.63	5720.92	5694.70	5730.54	
G 65.0	5484.28	5466.89	5475.90	5522.58	5586.05	5581.06	5513.56	5481.02	5517.01	5604.28	5517.01	5481.02	5513.56	5484.28	
G 70.0	5329.34	5326.68	5311.91	5257.78	5187.76	5217.41	5323.78	5361.17	5342.45	5304.51	5342.45	5361.17	5323.78	5329.34	
G 75.0	4742.82	4761.26	4781.27	4824.31	4909.76	4971.54	4958.53	4884.15	4868.70	4941.83	4868.70	4884.15	4958.53	4742.82	
G 80.0	4312.03	4304.99	4319.14	4335.92	4283.95	4285.38	4355.99	4392.73	4392.63	4375.84	4392.63	4392.73	4355.99	4312.03	
G 85.0	3712.14	3714.66	3726.66	3757.62	3784.96	3793.77	3788.84	3792.49	3821.73	3873.27	3821.73	3792.49	3788.84	3712.14	
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	0.00	

Luminaire

Code A628-006 37
Name Plaff-on! 20

Measurerm.

Code A628-006 37
Name Plaff-on! 20

Luminaire Flux	581.35 lm	Luminaire Power	9.00 W	Efficacy	64.59 lm/W	Efficiency	100.00%
Lamps Flux	581.35 lm	Maximum value	273.00 cd/klm	Position	C=90.00 G=20.00	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	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14
G 5.0	5253.20	5251.55	5256.75	5258.18	5255.72	5251.56	5255.72	5258.18	5256.75	5251.55	5253.20	5260.24	5260.53
G 10.0	5379.19	5372.15	5375.77	5377.78	5376.95	5374.79	5376.95	5377.78	5375.77	5372.15	5379.19	5391.06	5388.06
G 15.0	5529.58	5520.33	5526.06	5518.92	5514.80	5521.86	5514.80	5518.92	5526.06	5520.33	5529.58	5550.41	5548.31
G 20.0	5679.44	5669.98	5668.58	5659.54	5657.18	5668.10	5657.18	5659.54	5668.58	5669.98	5679.44	5700.27	5702.56
G 25.0	5779.17	5765.45	5774.15	5774.98	5776.73	5762.88	5776.73	5774.98	5774.15	5765.45	5779.17	5811.35	5825.17
G 30.0	5858.59	5844.33	5840.92	5826.23	5823.94	5841.86	5823.94	5826.23	5840.92	5844.33	5858.59	5881.72	5886.78
G 35.0	5896.95	5888.46	5886.81	5883.91	5885.04	5893.27	5885.04	5883.91	5886.81	5888.46	5896.95	5916.89	5927.85
G 40.0	5916.01	5909.70	5912.66	5888.60	5881.14	5906.32	5881.14	5888.60	5912.66	5909.70	5916.01	5934.28	5928.62
G 45.0	5902.16	5892.22	5893.30	5889.45	5889.78	5900.42	5889.78	5889.45	5893.30	5892.22	5902.16	5925.60	5922.97
G 50.0	5873.70	5858.30	5853.63	5872.24	5875.17	5850.17	5875.17	5872.24	5853.63	5858.30	5873.70	5888.40	5900.42
G 55.0	5816.65	5815.43	5806.21	5786.04	5779.28	5791.97	5779.28	5786.04	5806.21	5815.43	5816.65	5812.08	5798.70
G 60.0	5676.13	5686.61	5723.34	5760.91	5763.71	5730.54	5763.71	5760.91	5723.34	5686.61	5676.13	5694.70	5720.92
G 65.0	5581.06	5586.05	5522.58	5475.90	5466.89	5484.28	5466.89	5475.90	5522.58	5586.05	5581.06	5513.56	5481.02
G 70.0	5217.41	5187.76	5257.78	5311.91	5326.68	5329.34	5326.68	5311.91	5257.78	5187.76	5217.41	5323.78	5361.17
G 75.0	4971.54	4909.76	4824.31	4781.27	4761.26	4742.82	4761.26	4781.27	4824.31	4909.76	4971.54	4958.53	4884.15
G 80.0	4285.38	4283.95	4335.92	4319.14	4304.99	4312.03	4304.99	4319.14	4335.92	4283.95	4285.38	4355.99	4392.73
G 85.0	3793.77	3784.96	3757.62	3726.66	3714.66	3712.14	3714.66	3726.66	3757.62	3784.96	3793.77	3788.84	3792.49
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

Code A628-006 37
Name Plaff-on! 20

Measur.

Code A628-006 37
Name Plaff-on! 20

Luminaire Flux	581.35 lm	Luminaire Power	9.00 W	Efficacy	64.59 lm/W	Efficiency	100.00%
Lamps Flux	581.35 lm	Maximum value	273.00 cd/klm	Position	C=90.00 G=20.00	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	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14	5199.14
G 5.0	5257.85	5255.85	5257.85	5260.53	5260.24	5253.20	5251.55	5256.75	5258.18	5255.72
G 10.0	5386.05	5389.35	5386.05	5388.06	5391.06	5379.19	5372.15	5375.77	5377.78	5376.95
G 15.0	5547.23	5553.33	5547.23	5548.31	5550.41	5529.58	5520.33	5526.06	5518.92	5514.80
G 20.0	5705.47	5713.75	5705.47	5702.56	5700.27	5679.44	5669.98	5668.58	5659.54	5657.18
G 25.0	5823.10	5814.67	5823.10	5825.17	5811.35	5779.17	5765.45	5774.15	5774.98	5776.73
G 30.0	5889.67	5900.21	5889.67	5886.78	5881.72	5858.59	5844.33	5840.92	5826.23	5823.94
G 35.0	5932.66	5936.19	5932.66	5927.85	5916.89	5896.95	5888.46	5886.81	5883.91	5885.04
G 40.0	5924.11	5934.11	5924.11	5928.62	5934.28	5916.01	5909.70	5912.66	5888.60	5881.14
G 45.0	5913.66	5911.23	5913.66	5922.97	5925.60	5902.16	5892.22	5893.30	5889.45	5889.78
G 50.0	5888.81	5852.73	5888.81	5900.42	5888.40	5873.70	5858.30	5853.63	5872.24	5875.17
G 55.0	5783.69	5770.88	5783.69	5798.70	5812.08	5816.65	5815.43	5806.21	5786.04	5779.28
G 60.0	5716.63	5677.81	5716.63	5720.92	5694.70	5676.13	5686.61	5723.34	5760.91	5763.71
G 65.0	5517.01	5604.28	5517.01	5481.02	5513.56	5581.06	5586.05	5522.58	5475.90	5466.89
G 70.0	5342.45	5304.51	5342.45	5361.17	5323.78	5217.41	5187.76	5257.78	5311.91	5326.68
G 75.0	4868.70	4941.83	4868.70	4884.15	4958.53	4971.54	4909.76	4824.31	4781.27	4761.26
G 80.0	4392.63	4375.84	4392.63	4392.73	4355.99	4285.38	4283.95	4335.92	4319.14	4304.99
G 85.0	3821.73	3873.27	3821.73	3792.49	3788.84	3793.77	3784.96	3757.62	3726.66	3714.66
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00