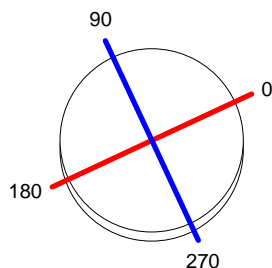


Luminaire			Measurem.			Lamp	
Code	GINGER 60		Code	GINGER 60		Code	GINGER 60
Name	GINGER 60 70 leds SMD 21W		Name	GINGER 60 70 leds SMD 21W		Number	1
Line	- MARSET		Date	15-09-2015		Position	Universal
Luminaire Flux		1164.66 lm	Luminaire Power		21.00 W	Efficacy	55.46 lm/W
Lamps Flux		1164.66 lm	Maximum value	215.46 cd/klm	Position	C=0.00 G=35.00	CG Double Symmetrical
Round Luminaire		Diam.	600 mm		Height	120 mm	
Round Luminous Area		Diam.	600 mm		Height	0 mm	
Horizontal Luminous Area		0.282743 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°		0.068402 m2	
Coordinate system		CG	Symmetry Type		Double Symmetrical		
Date		15-09-2015	Maximum Gamma Angle		90		
Measurement Distance		6.44	Measurement Flux		1164.66 lm		
Operator		Asselum T2	Source voltage		230.00 V		
Temperature		24.00 °C	Source current		Prc		
Humidity		56.00 %	Photocell				
Notes							
Line		Code	Luminaire Lamps			Flux [lm]	Pow. [W]
- MARSET		GINGER 60	Name			1164.66	21.00
			Lámpara led 21W				Q.ty
							1
C.I.E.		34 67 94 100 100	D DIN 5040			A20	
F UTE		1.00 I	B NBN			BZ 6 / 2.5 / BZ 5	

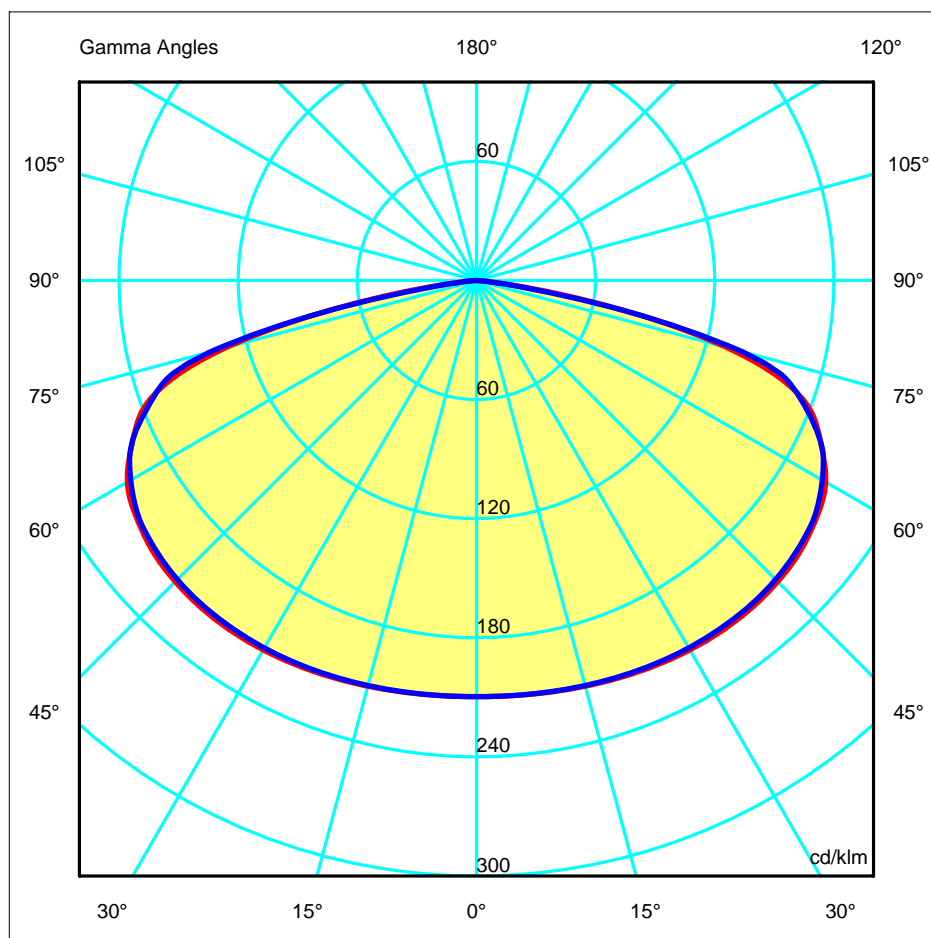
Diam=600mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



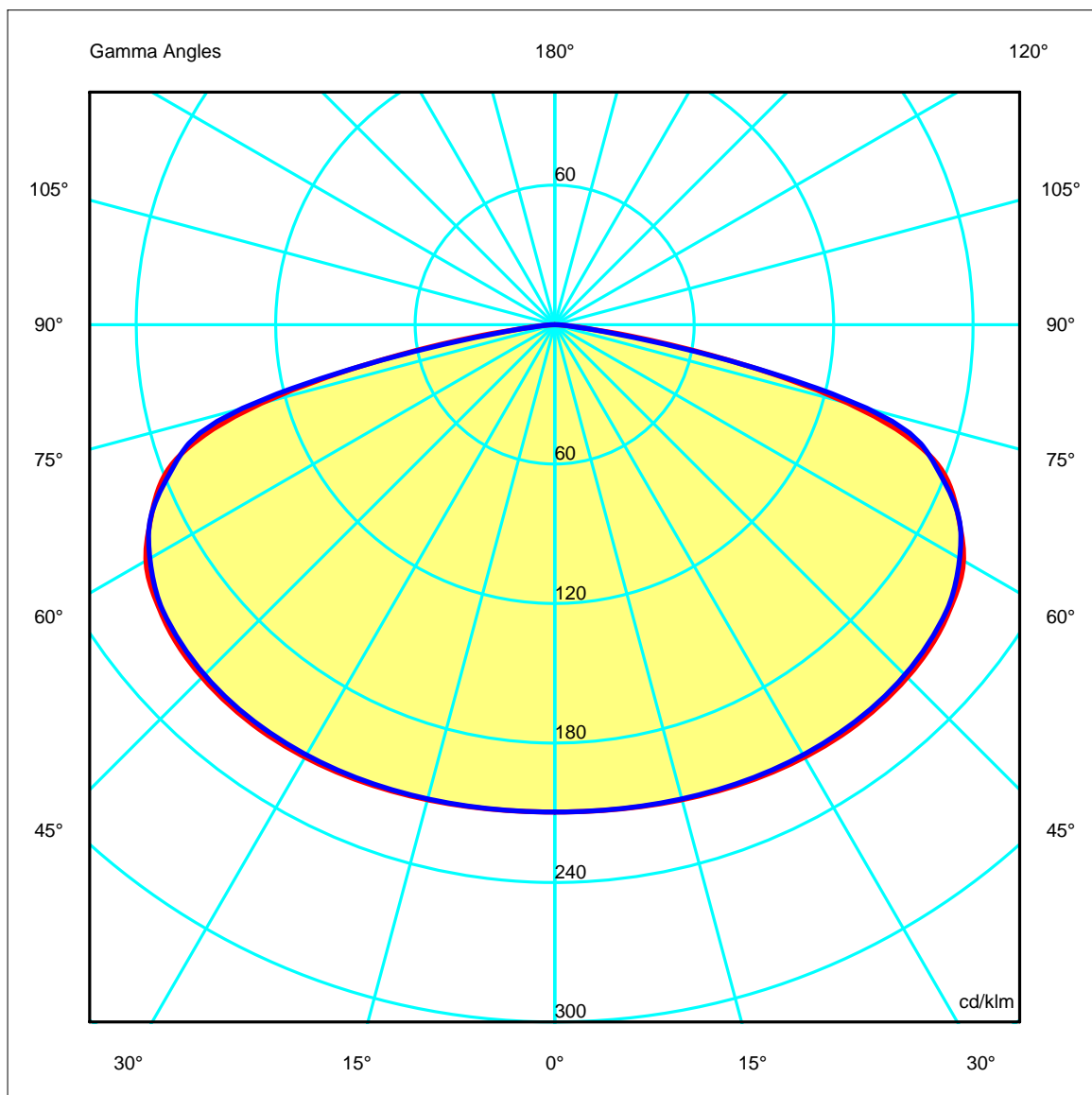
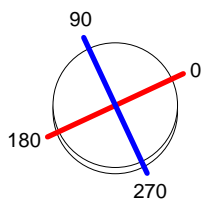
Luminaire			Measurem.			Lamp		
Code	GINGER 60		Code	GINGER 60		Code	GINGER 60	
Name	GINGER 60 70 leds SMD 21W		Name	GINGER 60 70 leds SMD 21W		Number	1	
Line	- MARSET		Date	15-09-2015		Position	Universal	
Luminaire Flux	1164.66 lm	Luminaire Power	21.00 W	Efficacy	55.46 lm/W	Efficiency	100.00%	
Lamps Flux	1164.66 lm	Maximum value	215.46 cd/klm	Position	C=0.00 G=35.00	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	209.63	209.63	209.63	209.63	209.63	209.63	209.63	
G 5.0	209.91	209.89	209.89	209.86	209.87	209.85	209.86	
G 10.0	210.62	210.55	210.55	210.49	210.45	210.38	210.41	
G 15.0	211.59	211.58	211.51	211.41	211.31	211.22	211.20	
G 20.0	212.70	212.65	212.60	212.39	212.25	212.09	212.11	
G 25.0	213.91	213.83	213.66	213.43	213.22	213.01	212.96	
G 30.0	214.89	214.75	214.62	214.26	214.03	213.71	213.72	
G 35.0	215.46	215.33	215.13	214.72	214.48	214.08	214.07	
G 40.0	215.42	215.28	215.05	214.58	214.32	213.87	213.92	
G 45.0	214.51	214.36	214.26	213.67	213.44	212.90	213.10	
G 50.0	212.66	212.59	212.27	211.76	211.46	210.98	210.96	
G 55.0	208.86	208.73	208.91	208.19	208.12	207.21	207.72	
G 60.0	203.07	202.91	202.25	201.89	201.60	201.26	201.07	
G 65.0	191.08	191.18	192.02	191.02	191.38	190.03	191.19	
G 70.0	174.97	175.65	174.25	174.44	174.32	174.26	173.43	
G 75.0	130.72	132.11	137.67	134.65	137.80	132.29	139.03	
G 80.0	52.35	54.05	48.28	48.04	48.27	50.46	46.87	
G 85.0	4.66	4.65	4.95	4.90	5.14	4.83	5.28	
G 90.0	0.98	1.00	0.99	0.99	0.97	0.96	0.94	

Luminaire			Measurem.			Lamp	
Code	GINGER 60		Code	GINGER 60		Code	GINGER 60
Name	GINGER 60 70 leds SMD 21W		Name	GINGER 60 70 leds SMD 21W		Number	1
Line	- MARSET		Date	15-09-2015		Position	Universal
Luminaire Flux	1164.66 lm	Luminaire Power	21.00 W	Efficacy	55.46 lm/W	Efficiency	100.00%
Lamps Flux	1164.66 lm	Maximum value	215.46 cd/klm	Position	C=0.00 G=35.00	CG	Double Symmetrical

Diam=600mm

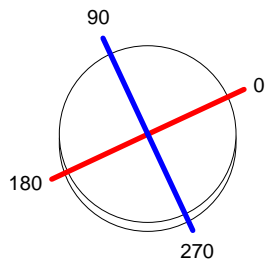
C Halfplanes

180.0 — 0.0
270.0 — 90.0



Luminaire		Measurem.		Lamp			
Code	GINGER 60	Code	GINGER 60	Code	GINGER 60		
Name	GINGER 60 70 leds SMD 21W	Name	GINGER 60 70 leds SMD 21W	Number	1		
Line	- MARSET	Date	15-09-2015	Position	Universal		
Luminaire Flux	1164.66 lm	Luminaire Power	21.00 W	Efficacy	55.46 lm/W	Efficiency	100.00%
Lamps Flux	1164.66 lm	Maximum value	215.46 cd/klm	Position	C=0.00 G=35.00	CG Double Symmetrical	

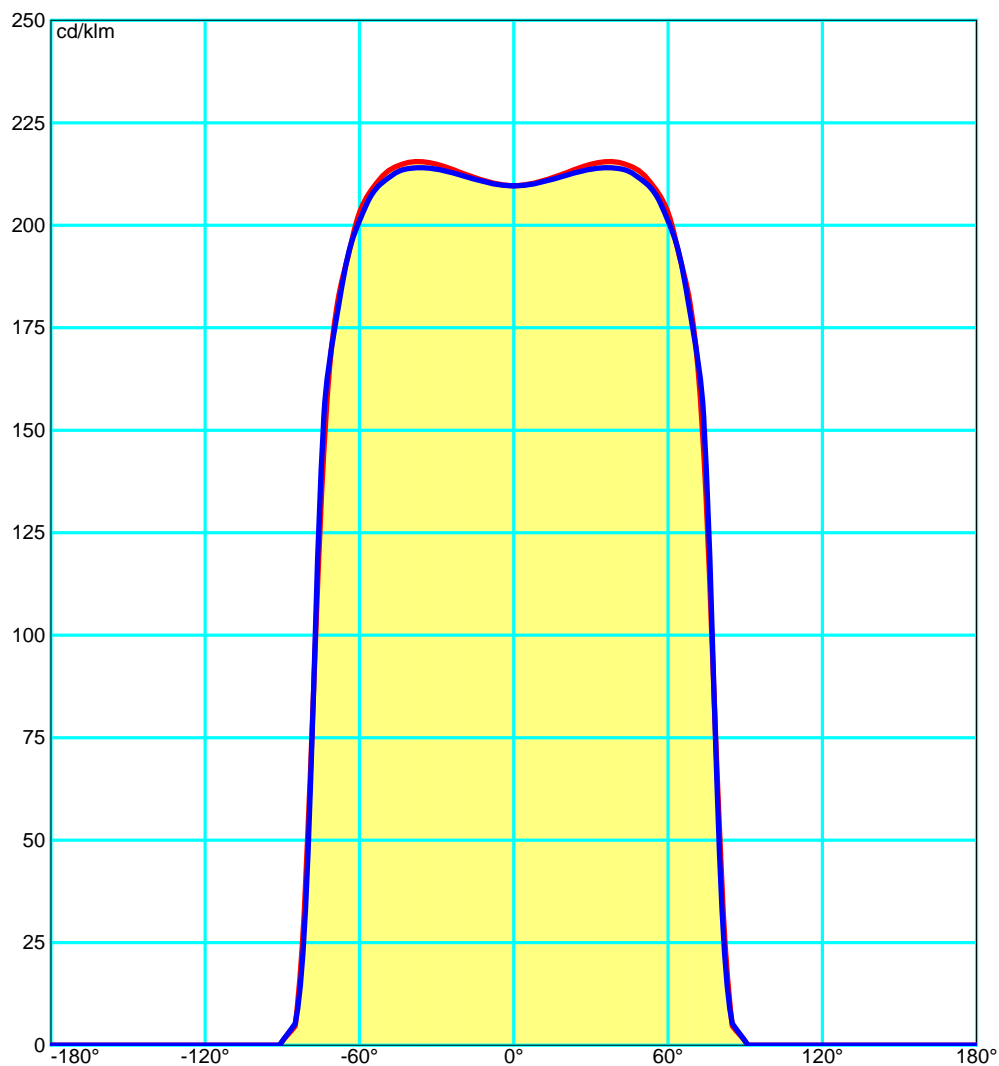
Diam=600mm



C Halfplanes

180.0 ————— 0.0

270.0 ————— 90.0



Luminaire			Measurem.			Lamp	
Code	GINGER 60		Code	GINGER 60		Code	GINGER 60
Name	GINGER 60 70 leds SMD 21W		Name	GINGER 60 70 leds SMD 21W		Number	1
Line	- MARSET		Date	15-09-2015		Position	Universal
Luminaire Flux	1164.66 lm	Luminaire Power	21.00 W	Efficacy	55.46 lm/W	Efficiency	100.00%
Lamps Flux	1164.66 lm	Maximum value	215.46 cd/klm	Position	C=0.00 G=35.00	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										
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	14.6	16.2	14.9	16.4	16.6	14.6	16.1	14.9	16.4	16.6
x=2H y=3H	17.5	18.9	17.8	19.2	19.4	17.4	18.8	17.8	19.1	19.4
x=2H y=4H	18.7	20.0	19.0	20.3	20.6	18.7	20.0	19.0	20.3	20.6
x=2H y=6H	19.2	20.4	19.6	20.7	21.1	19.2	20.4	19.5	20.7	21.1
x=2H y=8H	19.2	20.4	19.6	20.7	21.0	19.2	20.4	19.6	20.7	21.0
x=2H y=12H	19.2	20.3	19.6	20.7	21.0	19.2	20.3	19.5	20.6	21.0
x=4H y=2H	15.8	17.1	16.2	17.4	17.7	15.8	17.1	16.1	17.4	17.7
x=4H y=3H	18.8	19.9	19.2	20.2	20.6	18.8	19.9	19.1	20.2	20.6
x=4H y=4H	20.0	21.1	20.4	21.4	21.8	20.0	21.1	20.4	21.4	21.8
x=4H y=6H	20.6	21.5	21.1	21.9	22.3	20.6	21.5	21.0	21.9	22.3
x=4H y=8H	20.7	21.5	21.1	21.9	22.3	20.6	21.5	21.1	21.9	22.3
x=4H y=12H	20.7	21.4	21.1	21.8	22.2	20.6	21.4	21.1	21.8	22.2
x=8H y=4H	20.5	21.4	21.0	21.8	22.2	20.5	21.4	21.0	21.8	22.2
x=8H y=6H	21.2	21.8	21.6	22.3	22.7	21.1	21.8	21.6	22.2	22.7
x=8H y=8H	21.3	21.8	21.7	22.3	22.7	21.2	21.8	21.7	22.2	22.7
x=8H y=12H	21.2	21.7	21.7	22.2	22.7	21.2	21.7	21.7	22.2	22.7
x=12H y=4H	20.5	21.3	21.0	21.7	22.2	20.6	21.3	21.0	21.7	22.2
x=12H y=6H	21.2	21.8	21.7	22.2	22.7	21.2	21.7	21.6	22.2	22.7
x=12H y=8H	21.3	21.8	21.8	22.2	22.7	21.2	21.7	21.7	22.2	22.7

Luminaire			Measurem.			Lamp	
Code	GINGER 60		Code	GINGER 60		Code	GINGER 60
Name	GINGER 60 70 leds SMD 21W		Name	GINGER 60 70 leds SMD 21W		Number	1
Line	- MARSET		Date	15-09-2015		Position	Universal
Luminaire Flux	1164.66 lm	Luminaire Power	21.00 W	Efficacy	55.46 lm/W	Efficiency	100.00%
Lamps Flux	1164.66 lm	Maximum value	215.46 cd/klm	Position	C=0.00 G=35.00	CG	Double Symmetrical

Total Flux=1164.66 Luminaire Flux=1164.66

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	0.21	0.29	0.36	0.44	0.50	0.60	0.67	0.72	0.78	0.83	0.92	0.97
RC	7	7	7	7	7	7	7	6	6	6	5	4

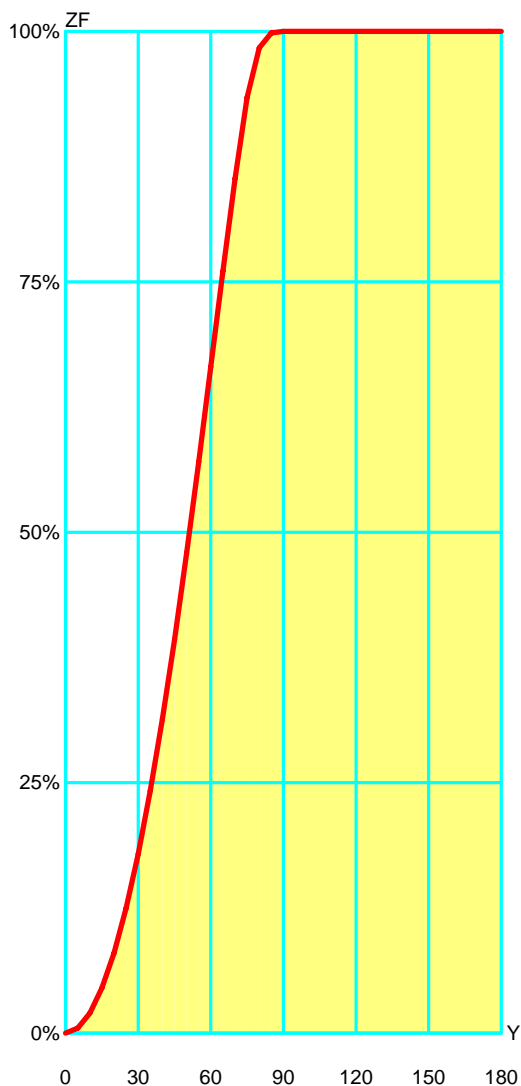
Zonal Flux per 1000 Lumen													
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130
ZF(Y)	20	80	179	314	479	665	853	984	1000	1000	1000	1000	1000

CIE Flux Codes
34 67 94 100 100

C.I.E.
D DIN 5040
F UTE
B NBN
RN
BLF

7/7/7/7/7/7/6/6/5/4
A20
1.00 I
BZ 6 / 2.5 / BZ 5
0.00000 %
1.0

LOR 99.99966 %
ULOR 0.00000 %
DLOR 99.99966 %
UFF 0.00000 %
DFF 100.00000 %
FFR 0.00000 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	5.02	5.02	0.50 %	0.50 %
10°	15.04	20.05	1.50 %	2.01 %
15°	25.03	45.08	2.50 %	4.51 %
20°	34.93	80.01	3.49 %	8.00 %
25°	44.66	124.67	4.47 %	12.47 %
30°	54.13	178.80	5.41 %	17.88 %
35°	63.18	241.97	6.32 %	24.20 %
40°	71.64	313.61	7.16 %	31.36 %
45°	79.32	392.93	7.93 %	39.29 %
50°	85.99	478.92	8.60 %	47.89 %
55°	91.33	570.25	9.13 %	57.03 %
60°	94.83	665.08	9.48 %	66.51 %
65°	95.57	760.65	9.56 %	76.06 %
70°	92.58	853.23	9.26 %	85.32 %
75°	80.88	934.11	8.09 %	93.41 %
80°	49.42	983.52	4.94 %	98.35 %
85°	14.86	998.38	1.49 %	99.84 %
90°	1.61	1000.00	0.16 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	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 %

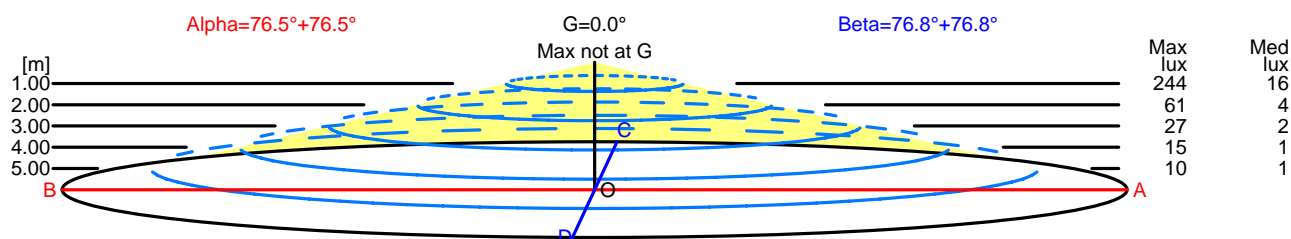
Luminaire			Measurem.			Lamp	
Code	GINGER 60		Code	GINGER 60		Code	GINGER 60
Name	GINGER 60 70 leds SMD 21W		Name	GINGER 60 70 leds SMD 21W		Number	1
Line	- MARSET		Date	15-09-2015		Position	Universal

Luminaire Flux	1164.66 lm	Luminaire Power	21.00 W	Efficacy	55.46 lm/W	Efficiency	100.00%
Lamps Flux	1164.66 lm	Maximum value	215.46 cd/klm	Position	C=0.00 G=35.00	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	4.18	8.35	12.53	16.70	20.88	OC	4.26	8.53	12.79	17.05	21.32
OB	4.18	8.35	12.53	16.70	20.88	OD	4.26	8.53	12.79	17.05	21.32

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	244.15	244.48	246.43	249.13	250.94	249.83	243.25	222.54	152.24	5.43
OB	244.15	244.48	246.43	249.13	250.94	249.83	243.25	222.54	152.24	5.43
OC	244.15	244.41	245.98	248.03	249.32	248.19	241.92	222.68	161.92	6.15
OD	244.15	244.41	245.98	248.03	249.32	248.19	241.92	222.68	161.92	6.15



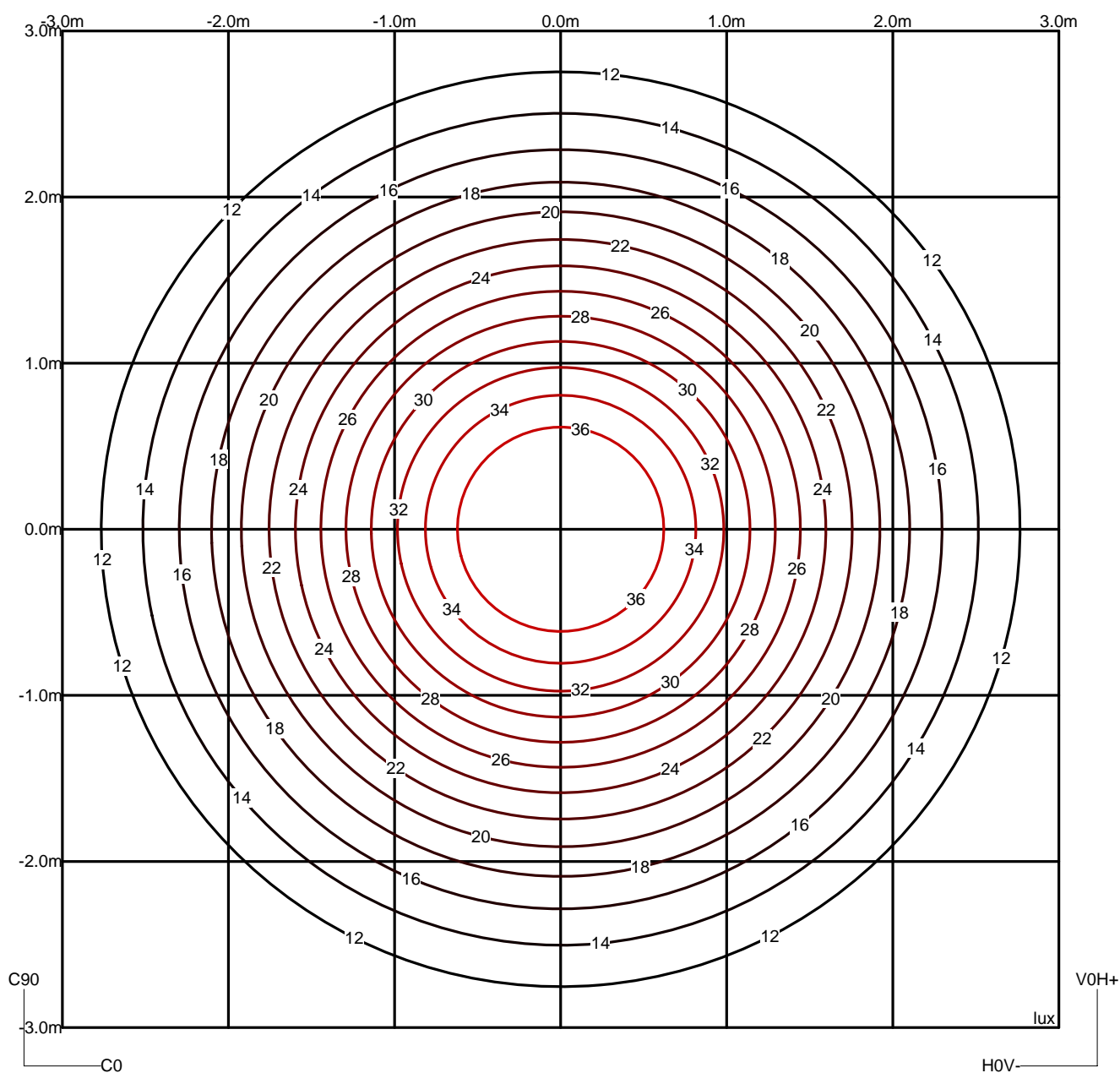
H[m]	D[m]	Max lux	Med lux	Alpha=76.5°+76.5°	G=0.0 Max not at G	
1.00	8.35	244	16			
2.00	16.70	61	4			
3.00	25.05	27	2			
4.00	33.40	15	1			
5.00	41.76	10	1			

H[m]	D[m]	Max lux	Med lux	Beta=76.8°+76.8°	G=0.0 Max not at G	
1.00	8.53	244	16			
2.00	17.05	61	4			
3.00	25.58	27	2			
4.00	34.11	15	1			
5.00	42.63	10	1			

Luminaire		Measurem.		Lamp		
Code	GINGER 60	Code	GINGER 60	Code	GINGER 60	
Name	GINGER 60 70 leds SMD 21W	Name	GINGER 60 70 leds SMD 21W	Number	1	
Line	- MARSET	Date	15-09-2015	Position	Universal	
Luminaire Flux	1164.66 lm	Luminaire Power	21.00 W	Efficacy	55.46 lm/W	Efficiency 100.00%
Lamps Flux	1164.66 lm	Maximum value	215.46 cd/klm	Position	C=0.00 G=35.00	CG Double Symmetrical

Isolux (Floor)

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



Luminaire				Measurem.				Lamp			
Code	GINGER 60			Code	GINGER 60			Code	GINGER 60		
Name	GINGER 60 70 leds SMD 21W			Name	GINGER 60 70 leds SMD 21W			Number	1		
Line	- MARSET			Date	15-09-2015			Position	Universal		
Luminaire Flux		1164.66 lm	Luminaire Power		21.00 W	Efficacy		55.46 lm/W	Efficiency		100.00%
Lamps Flux		1164.66 lm	Maximum value		215.46 cd/klm	Position		C=0.00 G=35.00	CG Double Symmetrical		

Utilizations CIE

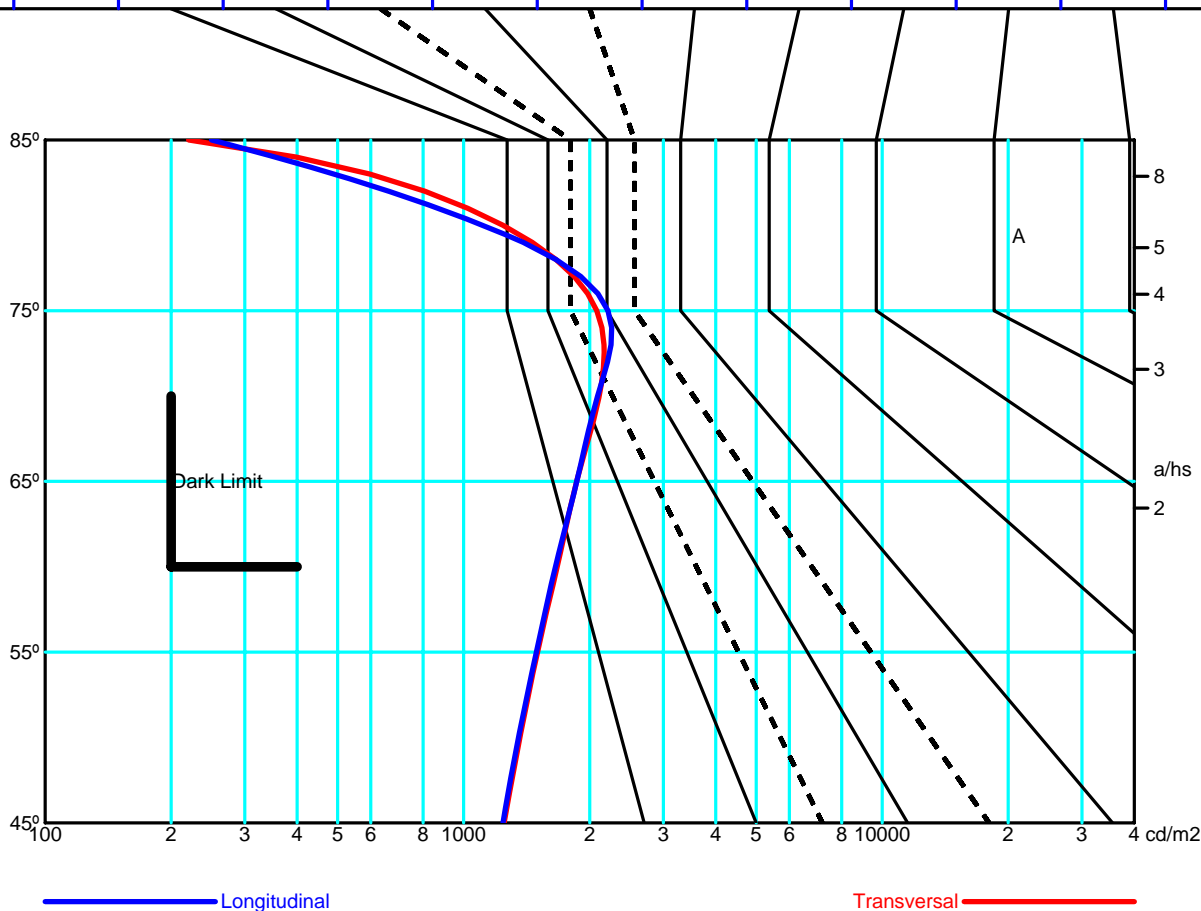
Mounting	Direct				Normalization				Normalised				Suspension Ratio				Standard CIE Settings						
Ceiling																							
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	230	206	189	170	196	163	115	98	95	81	50	37	17	11	76	40	35	14	11	34	12	10	0
0.80	267	245	204	189	233	180	145	126	110	97	60	48	23	17	91	50	45	19	16	43	17	15	0
1.00	291	271	209	195	258	187	168	150	119	107	68	56	28	22	100	58	53	24	21	50	21	19	0
1.25	311	293	207	196	279	189	191	174	124	114	74	63	34	28	107	65	60	30	26	57	27	24	0
1.50	325	309	203	194	294	186	210	193	127	117	79	69	40	33	111	70	65	36	32	62	32	29	0
2.00	341	328	190	183	313	177	237	222	127	120	85	76	49	42	113	77	73	45	41	70	41	38	0
2.50	351	339	178	174	324	168	257	244	125	120	89	81	57	50	114	81	78	52	48	75	48	45	0
3.00	357	347	169	165	332	161	272	260	123	119	91	85	62	56	113	84	81	58	54	78	54	51	0
4.00	365	357	156	153	342	149	294	283	120	117	94	89	71	65	112	88	86	67	63	83	63	60	0
5.00	370	364	147	145	348	142	308	299	118	115	97	92	77	72	111	91	89	73	70	86	69	66	0
10.00	380	377	127	126	362	124	340	335	112	111	101	99	91	88	107	97	96	87	85	94	84	81	0
20.00	386	384	116	115	369	114	359	356	109	108	104	103	99	97	105	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	509	497	457	448	490	443	386	378	358	352	300	295	258	256	348	296	294	257	256	293	256	255	236
0.80	583	570	512	503	560	496	456	446	414	407	355	349	311	308	402	350	347	309	308	346	308	307	284
1.00	635	622	546	538	609	530	508	498	453	446	396	390	351	348	440	389	387	349	347	384	347	345	319
1.25	681	668	573	566	653	558	557	546	487	481	433	427	389	385	474	425	423	386	384	420	383	382	352
1.50	713	701	590	584	684	576	594	583	511	505	460	454	418	414	497	452	449	414	412	445	411	408	377
2.00	748	738	601	597	718	588	639	629	534	529	489	484	452	447	520	480	478	447	444	473	443	439	404
2.50	766	757	602	599	735	590	666	656	544	540	505	500	471	467	530	496	493	465	463	487	461	456	418
3.00	775	767	598	595	744	587	683	673	547	544	513	508	482	478	533	503	501	476	473	494	470	465	425
4.00	784	778	590	588	753	580	703	694	549	546	521	517	496	492	535	511	509	488	486	501	482	476	432
5.00	787	781	582	580	755	572	713	705	546	544	523	519	501	498	533	512	511	493	491	503	486	479	433
10.00	761	758	531	531	729	523	706	702	510	509	498	496	486	483	497	486	486	476	474	476	467	458	408
20.00	693	692	450	449	661	443	650	647	437	436	431	430	425	423	424	419	418	414	413	408	403	393	341
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	526	513	491	481	505	474	378	370	364	358	290	285	236	234	353	285	283	235	234	282	234	233	214
0.80	633	617	583	572	605	563	476	465	454	446	376	369	317	314	439	369	366	315	313	364	313	312	291
1.00	718	702	654	644	686	633	559	547	528	520	451	443	390	386	511	442	439	387	385	435	384	382	362
1.25	802	786	722	713	765	700	644	631	603	595	528	520	468	463	583	517	514	463	461	509	460	457	436
1.50	866	851	774	765	827	752	713	699	662	654	590	582	532	526	641	578	575	526	523	568	522	518	498
2.00	962	948	847	841	920	826	819	805	751	744	688	680	635	628	728	674	670	627	624	662	620	615	596
2.50	1000	1000	895	890	982	875	893	880	811	805	756	748	708	701	787	740	737	698	695	727	690	683	666
3.00	1000	1000	928	924	1000	909	948	935	853	848	805	798	762	755	830	788	785	751	747	774	741	733	717
4.00	1000	1000	969	966	1000	952	1000	1000	908	904	869	863	834	827	885	851	849	821	817	835	809	799	784
5.00	1000	1000	994	992	1000	978	1000	1000	942	939	910	904	880	874	919	891	889	865	862	874	852	840	827
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	997	993	981	976	990	976	975	963	960	957	946	930	918
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	995	976	966

LM53 SHR C0-C180: 1.563 SHR C90-C270: 1.549 SHR Square: 1.753

Luminaire			Measurem.			Lamp	
Code	GINGER 60		Code	GINGER 60		Code	GINGER 60
Name	GINGER 60 70 leds SMD 21W		Name	GINGER 60 70 leds SMD 21W		Number	1
Line	- MARSET		Date	15-09-2015		Position	Universal
Luminaire Flux	1164.66 lm	Luminaire Power	21.00 W	Efficacy	55.46 lm/W	Efficiency	100.00%
Lamps Flux	1164.66 lm	Maximum value	215.46 cd/klm	Position	C=0.00 G=35.00	CG Double Symmetrical	

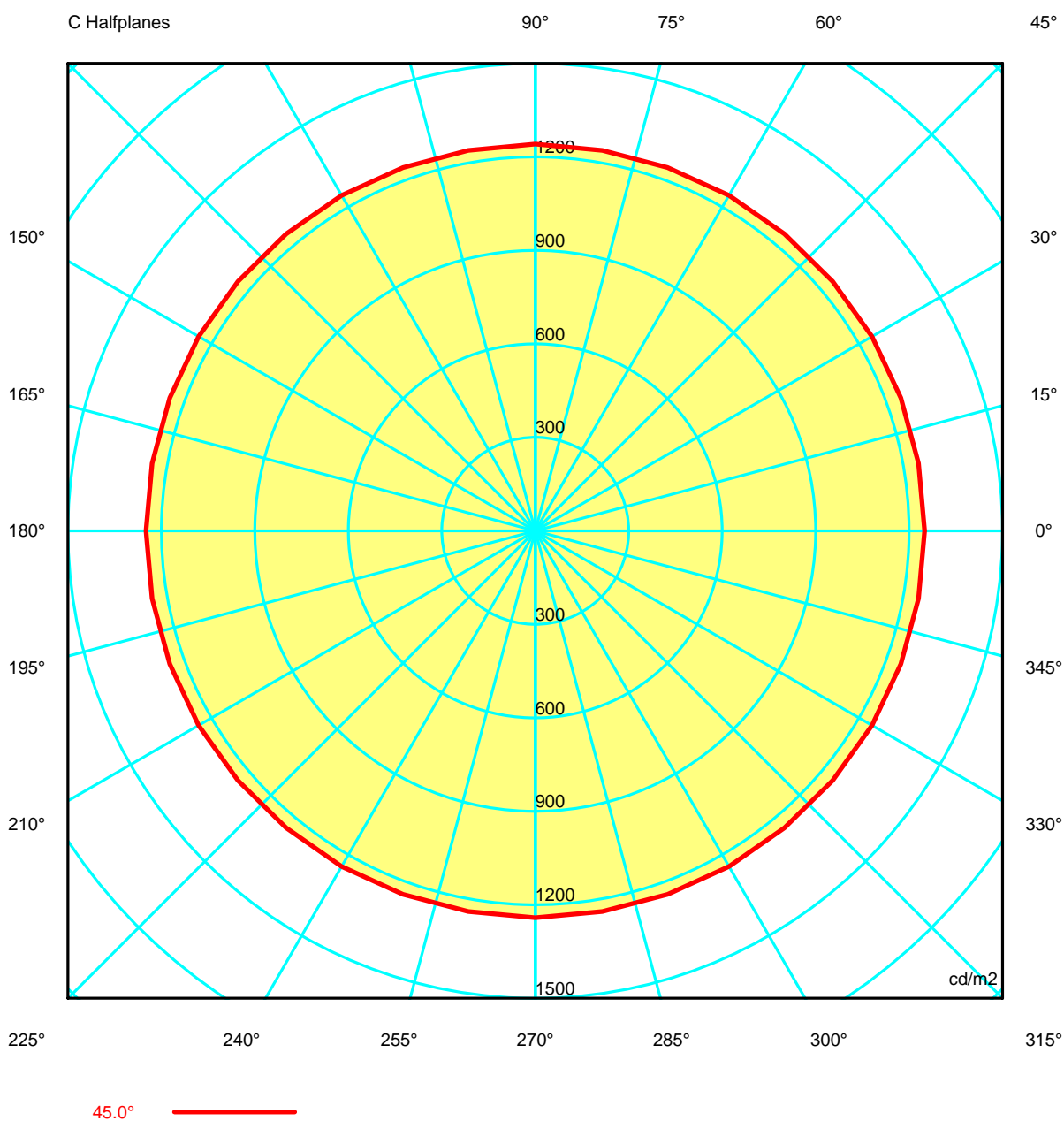
Average Luminance [cd/m²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
1250	1241	1363	1500	1673	1862	2107	2080	1242	220	---
90.0°		1352	1492	1657	1864	2089	2213	1112	250	---

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	GINGER 60		Code	GINGER 60		Code	GINGER 60
Name	GINGER 60 70 leds SMD 21W		Name	GINGER 60 70 leds SMD 21W		Number	1
Line	- MARSET		Date	15-09-2015		Position	Universal
Luminaire Flux	1164.66 lm	Luminaire Power	21.00 W	Efficacy	55.46 lm/W	Efficiency	100.00%
Lamps Flux	1164.66 lm	Maximum value	215.46 cd/klm	Position	C=0.00 G=35.00	CG Double Symmetrical	

Luminance



Luminaire				Measurem.				Lamp							
Code	GINGER 60			Code	GINGER 60			Code	GINGER 60						
Name	GINGER 60 70 leds SMD 21W			Name	GINGER 60 70 leds SMD 21W			Number	1						
Line	- MARSET			Date	15-09-2015			Position	Universal						
Luminaire Flux		1164.66 lm		Luminaire Power		21.00 W		Efficacy		55.46 lm/W		Efficiency		100.00%	
Lamps Flux		1164.66 lm		Maximum value		215.46 cd/klm		Position		C=0.00 G=35.00		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	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49
G 5.0	867.97	867.87	867.85	867.87	867.79	867.77	867.80	867.74	867.71	867.74	867.71	867.74	867.74	867.80	867.80
G 10.0	880.97	880.73	880.67	880.68	880.50	880.36	880.26	880.02	879.93	880.08	879.93	880.02	880.26	880.26	880.26
G 15.0	902.33	902.31	902.22	901.97	901.68	901.39	901.10	900.84	900.70	900.66	900.70	900.84	901.10	901.10	901.10
G 20.0	932.37	932.21	932.13	931.93	931.32	930.77	930.40	929.90	929.66	929.77	929.66	929.90	930.40	930.40	930.40
G 25.0	972.22	972.02	971.65	971.08	970.39	969.72	969.08	968.37	968.04	967.91	968.04	968.37	969.08	969.08	969.08
G 30.0	1022.09	1021.63	1021.30	1020.80	1019.68	1018.72	1017.99	1016.91	1016.35	1016.55	1016.35	1016.91	1017.99	1017.99	1017.99
G 35.0	1083.45	1083.02	1082.59	1081.82	1080.38	1079.30	1078.51	1077.09	1076.50	1076.46	1076.50	1077.09	1078.51	1078.51	1078.51
G 40.0	1158.34	1157.83	1157.30	1156.34	1154.61	1153.35	1152.42	1150.70	1149.81	1150.27	1149.81	1150.70	1152.42	1152.42	1152.42
G 45.0	1249.61	1248.91	1248.72	1248.12	1245.79	1244.20	1243.36	1241.07	1240.10	1241.38	1240.10	1241.07	1243.36	1243.36	1243.36
G 50.0	1362.77	1362.58	1361.85	1360.27	1358.01	1356.37	1355.08	1352.91	1351.99	1351.89	1351.99	1352.91	1355.08	1355.08	1355.08
G 55.0	1499.94	1498.85	1499.42	1500.30	1496.69	1494.90	1494.59	1489.93	1488.12	1491.75	1488.12	1489.93	1494.59	1494.59	1494.59
G 60.0	1672.91	1672.49	1669.99	1666.21	1663.95	1662.50	1660.87	1658.94	1657.43	1656.51	1657.43	1658.94	1660.87	1660.87	1660.87
G 65.0	1862.40	1863.02	1866.86	1871.55	1864.58	1862.76	1865.37	1855.90	1852.91	1863.51	1852.91	1855.90	1865.37	1865.37	1865.37
G 70.0	2107.29	2115.76	2110.62	2098.64	2100.15	2101.13	2099.44	2098.95	2096.40	2088.76	2096.40	2098.95	2099.44	2099.44	2099.44
G 75.0	2080.39	2095.14	2137.15	2191.05	2155.29	2158.62	2193.12	2129.73	2117.20	2212.64	2117.20	2129.73	2193.12	2193.12	2193.12
G 80.0	1241.82	1289.78	1242.42	1145.21	1141.41	1139.79	1145.05	1187.00	1183.59	1111.87	1183.59	1187.00	1145.05	1145.05	1145.05
G 85.0	220.27	218.05	224.69	233.73	231.62	235.91	242.93	232.16	231.05	249.73	231.05	232.16	242.93	242.93	242.93
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	0.00	0.00

Luminaire				Measurem.				Lamp							
Code	GINGER 60			Code	GINGER 60			Code	GINGER 60						
Name	GINGER 60 70 leds SMD 21W			Name	GINGER 60 70 leds SMD 21W			Number	1						
Line	- MARSET			Date	15-09-2015			Position	Universal						
Luminaire Flux		1164.66 lm		Luminaire Power		21.00 W		Efficacy		55.46 lm/W		Efficiency		100.00%	
Lamps Flux		1164.66 lm		Maximum value		215.46 cd/klm		Position		C=0.00 G=35.00		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	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	
G 5.0	867.77	867.79	867.87	867.85	867.87	867.97	867.87	867.85	867.87	867.79	867.77	867.80	867.74		
G 10.0	880.36	880.50	880.68	880.67	880.73	880.97	880.73	880.67	880.68	880.50	880.36	880.26	880.02		
G 15.0	901.39	901.68	901.97	902.22	902.31	902.33	902.31	902.22	901.97	901.68	901.39	901.10	900.84		
G 20.0	930.77	931.32	931.93	932.13	932.21	932.37	932.21	932.13	931.93	931.32	930.77	930.40	929.90		
G 25.0	969.72	970.39	971.08	971.65	972.02	972.22	972.02	971.65	971.08	970.39	969.72	969.08	968.37		
G 30.0	1018.72	1019.68	1020.80	1021.30	1021.63	1022.09	1021.63	1021.30	1020.80	1019.68	1018.72	1017.99	1016.91		
G 35.0	1079.30	1080.38	1081.82	1082.59	1083.02	1083.45	1083.02	1082.59	1081.82	1080.38	1079.30	1078.51	1077.09		
G 40.0	1153.35	1154.61	1156.34	1157.30	1157.83	1158.34	1157.83	1157.30	1156.34	1154.61	1153.35	1152.42	1150.70		
G 45.0	1244.20	1245.79	1248.12	1248.72	1248.91	1249.61	1248.91	1248.72	1248.12	1245.79	1244.20	1243.36	1241.07		
G 50.0	1356.37	1358.01	1360.27	1361.85	1362.58	1362.77	1362.58	1361.85	1360.27	1358.01	1356.37	1355.08	1352.91		
G 55.0	1494.90	1496.69	1500.30	1499.42	1498.85	1499.94	1498.85	1499.42	1500.30	1496.69	1494.90	1494.59	1489.93		
G 60.0	1662.50	1663.95	1666.21	1669.99	1672.49	1672.91	1672.49	1669.99	1666.21	1663.95	1662.50	1660.87	1658.94		
G 65.0	1862.76	1864.58	1871.55	1866.86	1863.02	1862.40	1863.02	1866.86	1871.55	1864.58	1862.76	1865.37	1855.90		
G 70.0	2101.13	2100.15	2098.64	2110.62	2115.76	2107.29	2115.76	2110.62	2098.64	2100.15	2101.13	2099.44	2098.95		
G 75.0	2158.62	2155.29	2191.05	2137.15	2095.14	2080.39	2095.14	2137.15	2191.05	2155.29	2158.62	2193.12	2129.73		
G 80.0	1139.79	1141.41	1145.21	1242.42	1289.78	1241.82	1289.78	1242.42	1145.21	1141.41	1139.79	1145.05	1187.00		
G 85.0	235.91	231.62	233.73	224.69	218.05	220.27	218.05	224.69	233.73	231.62	235.91	242.93	232.16		
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	GINGER 60	Code	GINGER 60			Code	GINGER 60			
Name	GINGER 60 70 leds SMD 21W	Name	GINGER 60 70 leds SMD 21W			Number	1			
Line	- MARSET	Date	15-09-2015			Position	Universal			
Luminaire Flux	1164.66 lm	Luminaire Power	21.00 W	Efficacy	55.46 lm/W	Efficiency	100.00%			
Lamps Flux	1164.66 lm	Maximum value	215.46 cd/klm	Position	C=0.00 G=35.00	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	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49	863.49
G 5.0	867.71	867.74	867.71	867.74	867.80	867.77	867.79	867.87	867.85	867.87
G 10.0	879.93	880.08	879.93	880.02	880.26	880.36	880.50	880.68	880.67	880.73
G 15.0	900.70	900.66	900.70	900.84	901.10	901.39	901.68	901.97	902.22	902.31
G 20.0	929.66	929.77	929.66	929.90	930.40	930.77	931.32	931.93	932.13	932.21
G 25.0	968.04	967.91	968.04	968.37	969.08	969.72	970.39	971.08	971.65	972.02
G 30.0	1016.35	1016.55	1016.35	1016.91	1017.99	1018.72	1019.68	1020.80	1021.30	1021.63
G 35.0	1076.50	1076.46	1076.50	1077.09	1078.51	1079.30	1080.38	1081.82	1082.59	1083.02
G 40.0	1149.81	1150.27	1149.81	1150.70	1152.42	1153.35	1154.61	1156.34	1157.30	1157.83
G 45.0	1240.10	1241.38	1240.10	1241.07	1243.36	1244.20	1245.79	1248.12	1248.72	1248.91
G 50.0	1351.99	1351.89	1351.99	1352.91	1355.08	1356.37	1358.01	1360.27	1361.85	1362.58
G 55.0	1488.12	1491.75	1488.12	1489.93	1494.59	1494.90	1496.69	1500.30	1499.42	1498.85
G 60.0	1657.43	1656.51	1657.43	1658.94	1660.87	1662.50	1663.95	1666.21	1669.99	1672.49
G 65.0	1852.91	1863.51	1852.91	1855.90	1865.37	1862.76	1864.58	1871.55	1866.86	1863.02
G 70.0	2096.40	2088.76	2096.40	2098.95	2099.44	2101.13	2100.15	2098.64	2110.62	2115.76
G 75.0	2117.20	2212.64	2117.20	2129.73	2193.12	2158.62	2155.29	2191.05	2137.15	2095.14
G 80.0	1183.59	1111.87	1183.59	1187.00	1145.05	1139.79	1141.41	1145.21	1242.42	1289.78
G 85.0	231.05	249.73	231.05	232.16	242.93	235.91	231.62	233.73	224.69	218.05
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00