

## Luminaire

Code 10-6420-81-81V1  
Name GAMMA

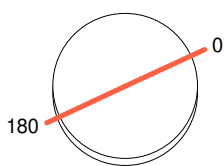
## Measurem.

Code 10-6420-81-81V1  
Name GAMMA

Luminaire Flux	121 lm	Luminaire Power	3.4 W	Efficacy	35.721 lm/W	Efficiency	100.00%
Source Flux	121 lm	Maximum value	735.69 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Round Luminaire		Diam.	30 mm	Height	110 mm		
Round Luminous Area		Diam.	20 mm	Height	0 mm		
Horizontal Luminous Area		0.000314 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°		0.000076 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		10-01-2018		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		121 lm	
Operator		ASSELUM T2		Rated Voltage			
Temperature				Rated Current			
Humidity				Photocell			
Notes							

Luminaire Sources						
Line		Code LED	Name LED	Flux [lm]	Pow. [W]	Q.ty
				121.45	3.40	1
C.I.E.	81 97 99 100 100		D DIN 5040	A60		
F UTE	1.00 B		B NBN	BZ 1		

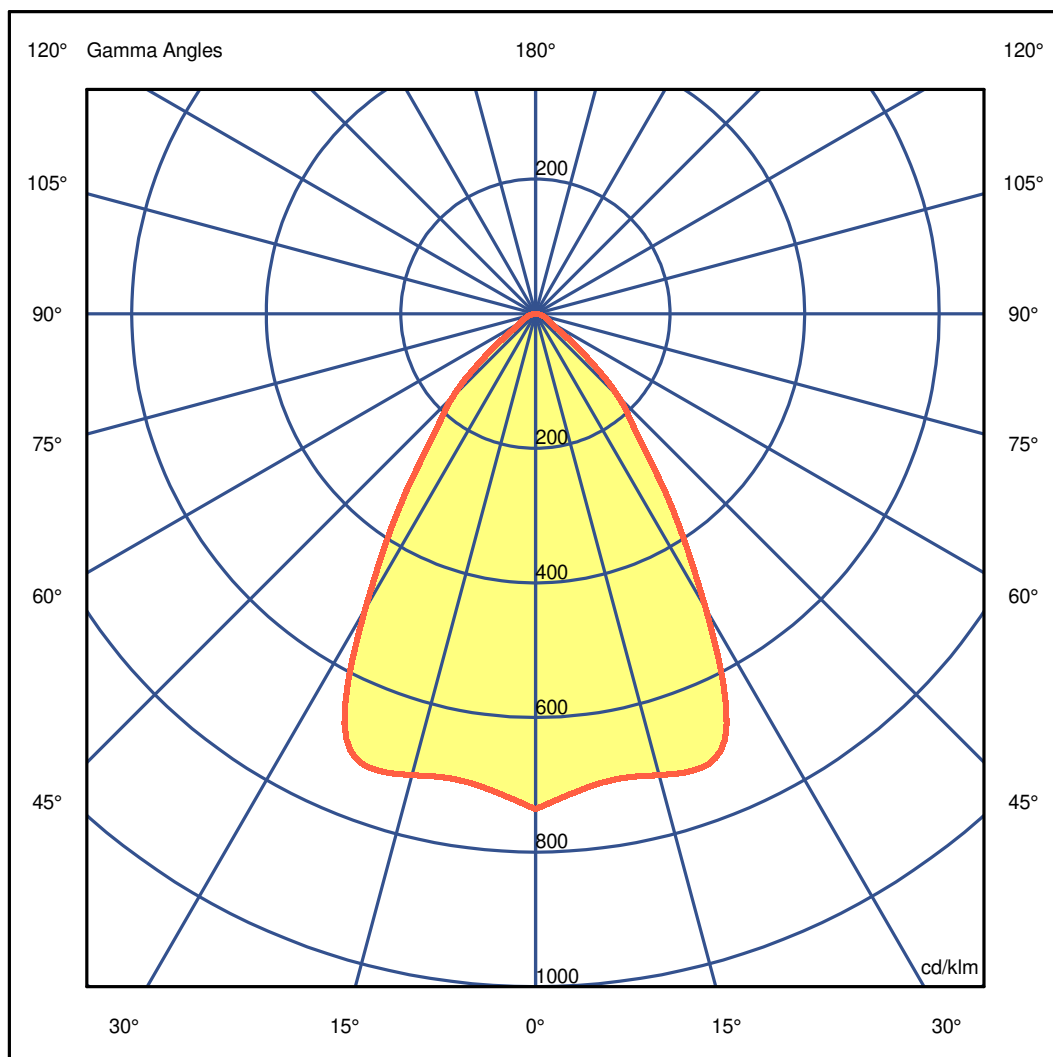
Diam=30mm



C Halfplanes

180.0 — 0.0

ULOR 0.00 %  
DLOR100.00 %  
RN 0.00 %



<b>Luminaire</b>							
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Luminaire Flux	121 lm	Luminaire Power	3.4 W	Efficacy	35.721 lm/W	Efficiency	100.00%
Source Flux	121 lm	Maximum value	735.69 cd/klm	Position	C=0.00 G=0.00	CG Rotosymmetrical	
<b>Luminous Intensity Table cd/klm</b>				<b>Table 1/1</b>			
				C 0.00			
				G 0.0 735.69			
				G 5.0 712.13			
				G 10.0 701.96			
				G 15.0 709.52			
				G 20.0 718.18			
				G 25.0 672.29			
				G 30.0 505.77			
				G 35.0 355.32			
				G 40.0 236.87			
				G 45.0 174.48			
				G 50.0 94.90			
				G 55.0 39.99			
				G 60.0 26.12			
				G 65.0 19.25			
				G 70.0 14.37			
				G 75.0 10.07			
				G 80.0 6.39			
				G 85.0 4.07			
				G 90.0 2.53			

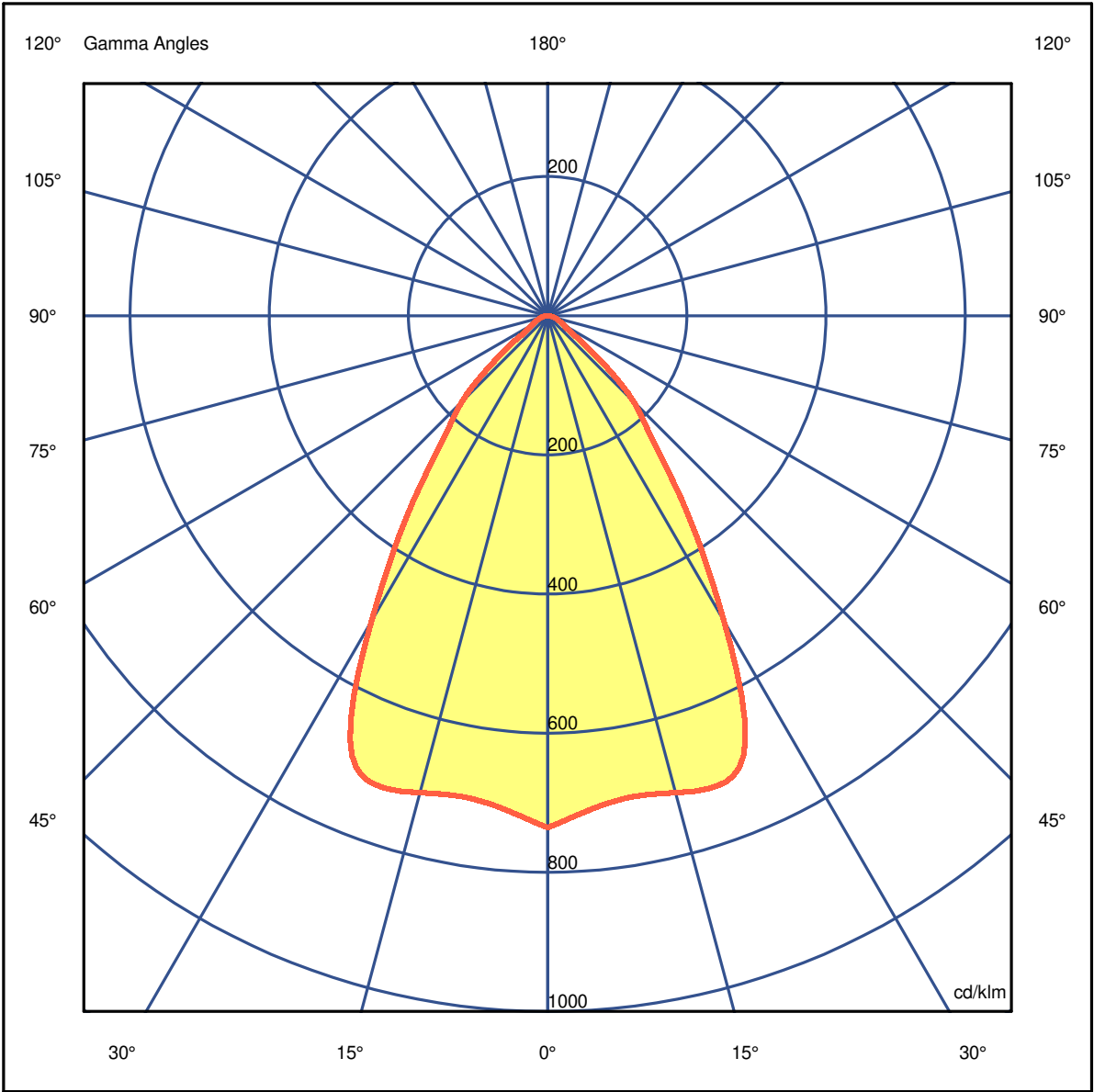
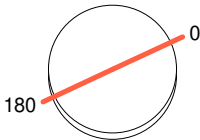
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Diam=30mm

C Halfplanes

180.0 0.0



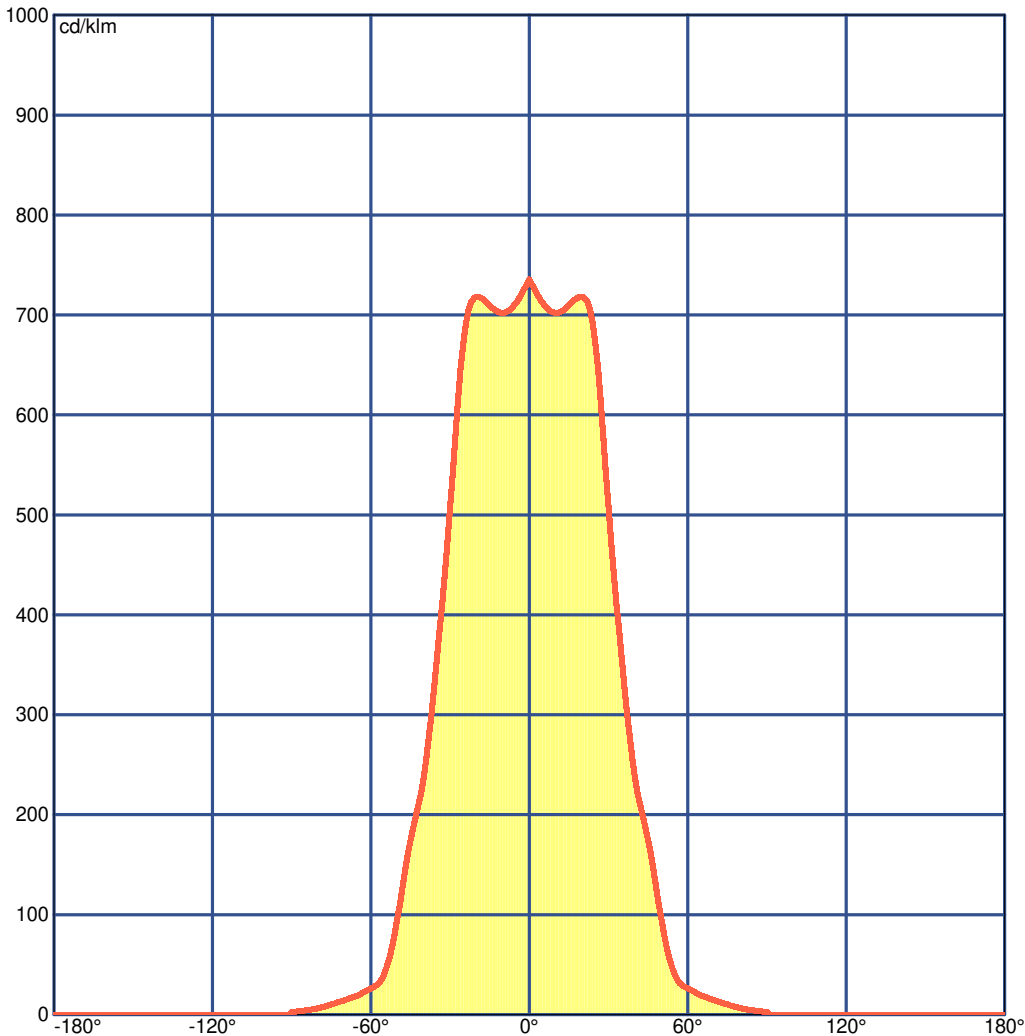
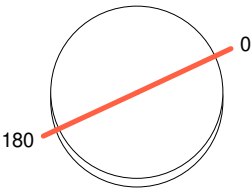
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Diam=30mm

C Halfplanes

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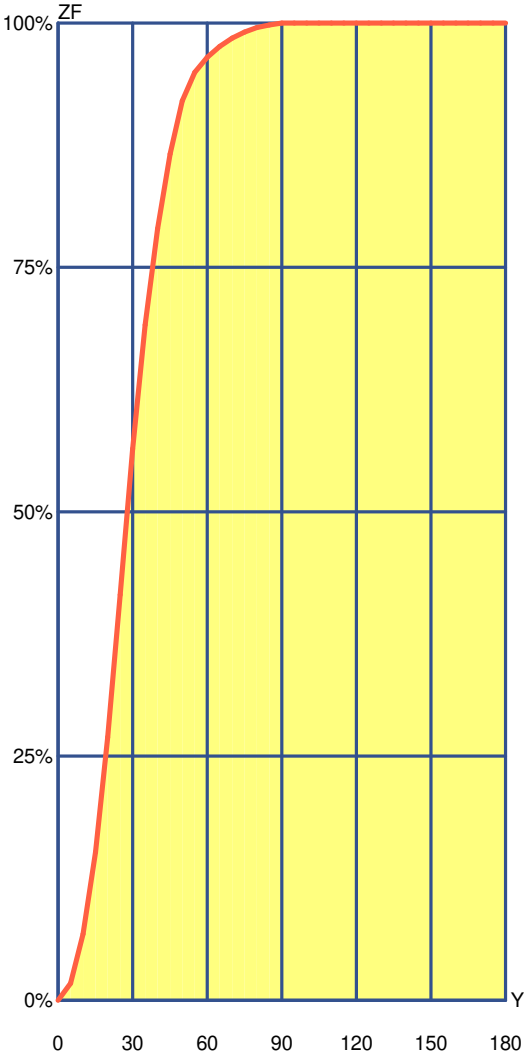
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Source Flux	121 lm	Maximum value	735.69 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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	24.0	24.8	24.2	25.0	25.2	24.0	24.8	24.2	25.0	25.2
x=2H y=3H	24.1	24.8	24.4	25.1	25.3	24.1	24.8	24.4	25.1	25.3
x=2H y=4H	24.1	24.8	24.4	25.1	25.4	24.1	24.8	24.4	25.1	25.4
x=2H y=6H	24.2	24.8	24.5	25.1	25.4	24.2	24.8	24.5	25.1	25.4
x=2H y=8H	24.2	24.8	24.5	25.1	25.4	24.2	24.8	24.5	25.1	25.4
x=2H y=12H	24.2	24.8	24.6	25.1	25.4	24.2	24.8	24.6	25.1	25.4
x=4H y=2H	23.9	24.6	24.2	24.9	25.1	23.9	24.6	24.2	24.9	25.1
x=4H y=3H	24.1	24.7	24.4	25.0	25.3	24.1	24.7	24.4	25.0	25.3
x=4H y=4H	24.2	24.7	24.6	25.1	25.4	24.2	24.7	24.6	25.1	25.4
x=4H y=6H	24.3	24.8	24.7	25.2	25.5	24.3	24.8	24.7	25.2	25.5
x=4H y=8H	24.4	24.8	24.8	25.2	25.6	24.4	24.8	24.8	25.2	25.6
x=4H y=12H	24.5	24.8	24.9	25.2	25.6	24.5	24.8	24.9	25.2	25.6
x=8H y=4H	24.2	24.6	24.6	25.0	25.4	24.2	24.6	24.6	25.0	25.4
x=8H y=6H	24.4	24.7	24.8	25.1	25.6	24.4	24.7	24.8	25.1	25.6
x=8H y=8H	24.5	24.8	25.0	25.2	25.7	24.5	24.8	25.0	25.2	25.7
x=8H y=12H	24.6	24.8	25.1	25.3	25.8	24.6	24.8	25.1	25.3	25.8
x=12H y=4H	24.2	24.6	24.6	25.0	25.4	24.2	24.6	24.6	25.0	25.4
x=12H y=6H	24.4	24.7	24.9	25.1	25.6	24.4	24.7	24.9	25.1	25.6
x=12H y=8H	24.5	24.7	25.0	25.2	25.7	24.5	24.7	25.0	25.2	25.7

<b>Luminaire</b>							
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<b>Measur.</b>							
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Source Flux	121 lm	Maximum value	735.69 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Total Flux=121.45 Luminaire Flux=121.45																		
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	0.58	0.65	0.71	0.76	0.80	0.85	0.89	0.92	0.94	0.95	0.98	1.00						
RC	-	-	-	-	-	-	-	-	-	-	-	-						
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)	68	269	564	790	920	965	985	995	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
CIE Flux Codes																		
81 97 99 100 100																		
C.I.E.	-/-/-/-/-/-/-/-/-/-/-/-												LOR	100.00000 %				
D DIN 5040	A60												ULOR	0.00000 %				
F UTE	1.00 B												DLOR	100.00000 %				
B NBN	BZ 1												UFF	0.00000 %				
RN	0.00000 %												DFF	100.00000 %				
BLF	1.0												FFR	0.00000 %				



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	17.31	17.31	1.73 %	1.73 %
10°	50.59	67.89	5.06 %	6.79 %
15°	83.73	151.62	8.37 %	15.16 %
20°	117.66	269.29	11.77 %	26.93 %
25°	145.84	415.12	14.58 %	41.51 %
30°	149.09	564.21	14.91 %	56.42 %
35°	126.80	691.01	12.68 %	69.10 %
40°	98.80	789.81	9.88 %	78.98 %
45°	76.16	865.98	7.62 %	86.60 %
50°	54.43	920.41	5.44 %	92.04 %
55°	29.33	949.74	2.93 %	94.97 %
60°	15.28	965.02	1.53 %	96.50 %
65°	11.03	976.05	1.10 %	97.60 %
70°	8.51	984.56	0.85 %	98.46 %
75°	6.39	990.95	0.64 %	99.09 %
80°	4.40	995.35	0.44 %	99.54 %
85°	2.84	998.19	0.28 %	99.82 %
90°	1.81	1000.00	0.18 %	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 %

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Source Flux	121 lm	Maximum value	735.69 cd/klm	Position	C=0.00 G=0.00	CG Rotosymmetrical	

## 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	181	163	119	108	155	103	100	85	63	54	37	28	18	12	51	30	26	14	11	25	12	10	0			
0.80	214	196	127	117	186	112	129	113	73	64	45	36	25	18	60	38	34	21	17	32	18	16	0			
1.00	236	219	127	119	208	114	152	136	78	70	52	43	31	24	66	44	41	27	23	38	24	21	0			
1.25	257	242	126	119	230	115	177	161	83	76	58	50	39	31	71	51	47	34	30	45	30	27	0			
1.50	273	259	124	119	247	114	197	181	86	80	63	55	45	37	75	56	53	40	36	50	36	33	0			
2.00	294	283	119	115	270	111	227	212	89	84	70	63	55	47	79	64	60	50	45	58	46	42	0			
2.50	309	299	115	112	285	108	249	235	91	86	76	69	62	55	82	69	66	58	53	64	53	50	0			
3.00	319	311	112	109	297	106	265	253	92	88	79	74	68	61	84	73	71	63	59	68	59	56	0			
4.00	335	328	110	108	314	106	288	278	95	92	85	80	76	70	88	79	77	72	68	75	68	64	0			
5.00	345	340	109	108	325	105	303	294	97	94	89	85	81	76	91	84	82	77	74	79	73	70	0			
10.00	368	365	108	107	350	105	338	333	101	100	97	95	93	90	97	93	92	90	88	90	87	84	0			
20.00	380	378	107	106	363	105	358	355	103	103	102	101	100	99	100	99	98	97	96	96	95	92	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	347	337	269	263	331	260	261	254	209	205	176	172	151	149	203	173	171	150	149	171	149	148	127
0.80	383	373	284	278	365	274	297	288	229	224	196	192	172	169	221	192	191	170	169	189	169	167	142
1.00	402	391	284	279	381	275	318	308	235	230	205	200	182	178	226	200	198	179	177	196	177	176	147
1.25	419	409	284	280	396	274	338	328	240	236	213	208	191	187	231	207	205	188	186	203	185	183	151
1.50	431	421	282	278	407	273	354	343	242	238	218	213	198	194	233	212	210	194	191	206	190	188	153
2.00	435	427	265	262	409	257	365	354	233	230	214	209	197	192	223	206	204	192	189	200	187	183	145
2.50	434	427	250	247	407	242	369	359	223	220	207	203	193	188	213	199	197	187	184	192	181	177	136
3.00	430	423	235	233	402	227	369	359	212	209	198	194	187	182	201	190	188	179	177	182	173	168	125
4.00	433	427	225	223	404	217	377	369	206	203	195	192	186	181	195	186	184	178	175	177	170	164	119
5.00	435	430	218	217	406	211	383	376	202	200	193	190	185	181	190	183	182	176	174	174	168	161	114
10.00	427	424	191	191	396	185	384	379	180	179	176	173	171	168	168	165	164	161	159	154	151	142	92
20.00	387	386	141	140	356	134	350	347	133	132	131	130	129	127	121	119	119	118	117	108	107	97	44

## 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	795	785	742	735	778	731	693	686	667	663	623	620	592	590	660	620	619	590	590	618	589	589	577
0.80	881	868	811	804	858	799	774	765	738	733	695	690	663	660	729	690	688	660	659	686	658	657	646
1.00	949	937	865	859	923	852	844	833	798	793	758	752	726	722	787	751	749	723	721	746	720	718	707
1.25	1000	996	909	904	979	896	906	893	848	843	811	805	782	776	835	803	800	777	774	796	773	769	759
1.50	1000	1000	940	935	1000	926	951	938	884	878	850	843	822	816	869	840	837	816	812	832	810	806	796
2.00	1000	1000	983	979	1000	970	1000	1000	937	932	910	903	886	879	921	898	895	878	874	888	871	864	855
2.50	1000	1000	1000	1000	1000	996	1000	1000	970	965	947	940	927	920	953	934	931	917	913	922	908	900	891
3.00	1000	1000	1000	1000	1000	1000	1000	1000	992	988	973	967	956	949	974	959	956	945	941	946	934	925	917
4.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	994	987	980	996	984	981	973	969	969	969	960	949	941
5.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	998	1000	998	996	989	986	983	975	963	954
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	991	982
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	996

LM53 SHR C0-C180: 1.097 SHR C90-C270: 1.097 SHR Square: 1.015

# LedsC4

## Luminaire

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## Measurement

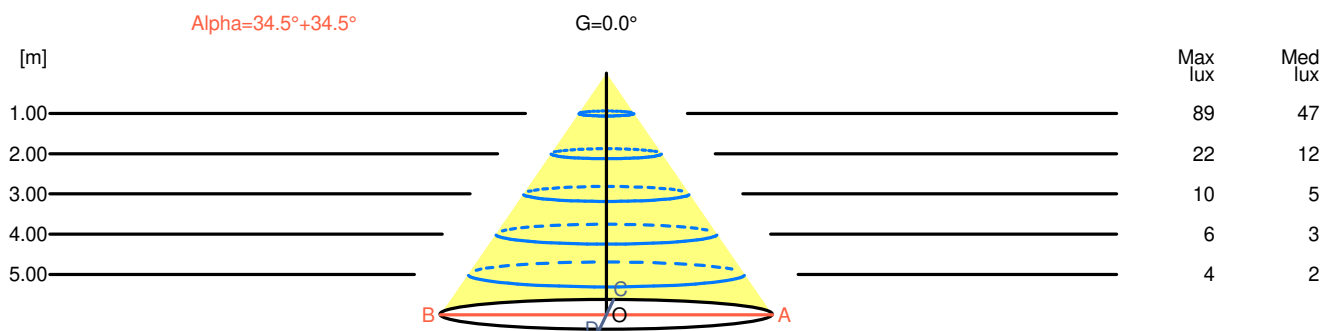
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Width at 50.00 % of Max Intensity

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	0.69	1.38	2.07	2.75	3.44	OC	0.69	1.38	2.07	2.75	3.44
OB	0.69	1.38	2.07	2.75	3.44	OD	0.69	1.38	2.07	2.75	3.44

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	89.35	86.49	86.17	81.65	43.15	21.19	4.86	2.34	1.22	0.49
OB	89.35	86.49	86.17	81.65	43.15	21.19	4.86	2.34	1.22	0.49
OC	89.35	86.49	86.17	81.65	43.15	21.19	4.86	2.34	1.22	0.49
OD	89.35	86.49	86.17	81.65	43.15	21.19	4.86	2.34	1.22	0.49



H[m]	D[m]	Max lux	Med lux	Alpha=34.5°+34.5°	G=0.0	
1.00	1.38	89	47			
2.00	2.75	22	12			
3.00	4.13	10	5			
4.00	5.51	6	3			
5.00	6.88	4	2			

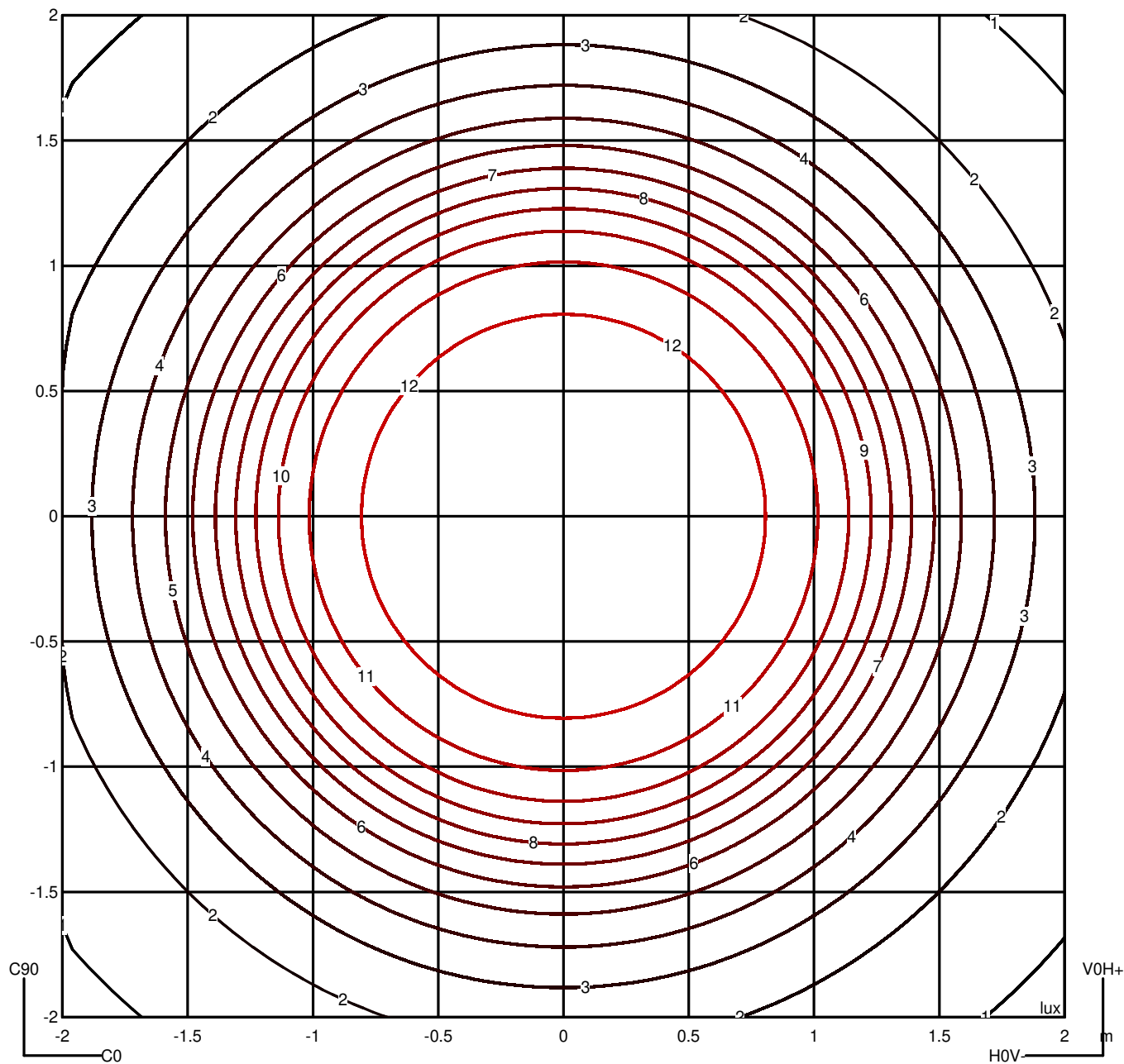


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**Measurement**  
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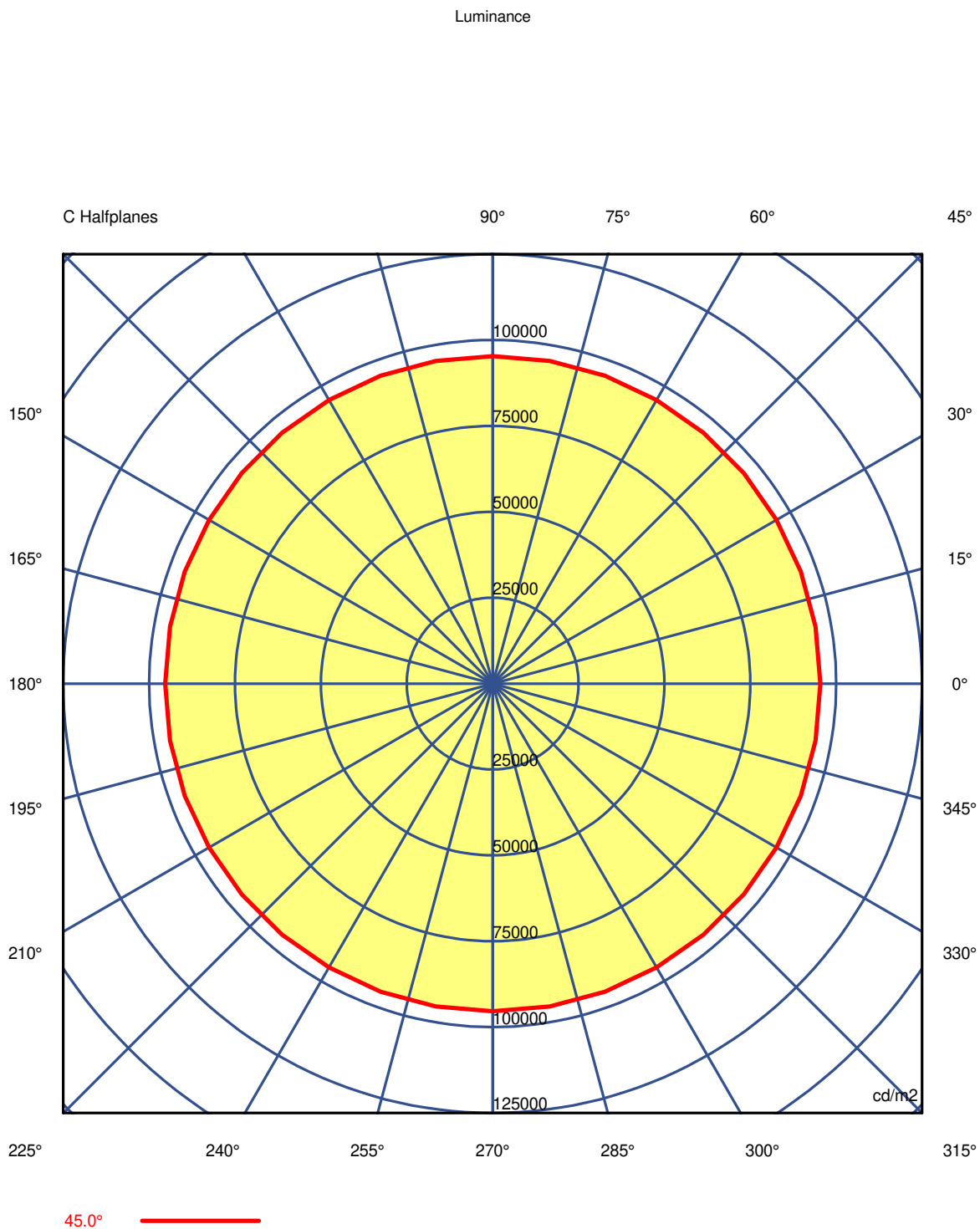
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Isolux (Floor)

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



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Source Flux	121 lm	Maximum value	735.69 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73
G 5.0	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13
G 10.0	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75
G 15.0	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59
G 20.0	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76
G 25.0	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02
G 30.0	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16
G 35.0	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37
G 40.0	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08
G 45.0	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94
G 50.0	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37
G 55.0	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73
G 60.0	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41
G 65.0	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96
G 70.0	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16
G 75.0	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27
G 80.0	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28
G 85.0	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65
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 10-6420-81-81V1  
Name GAMMA

## Measurem.

Code 10-6420-81-81V1  
Name GAMMA

Luminaire Flux	121 lm	Luminaire Power	3.4 W	Efficacy	35.721 lm/W	Efficiency	100.00%
Source Flux	121 lm	Maximum value	735.69 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73
G 5.0	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13
G 10.0	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75
G 15.0	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59
G 20.0	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76
G 25.0	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02
G 30.0	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16
G 35.0	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37
G 40.0	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08
G 45.0	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94
G 50.0	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37
G 55.0	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73
G 60.0	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41
G 65.0	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96
G 70.0	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16
G 75.0	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27
G 80.0	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28
G 85.0	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65
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 10-6420-81-81V1  
Name GAMMA

## Measurem.

Code 10-6420-81-81V1  
Name GAMMA

Luminaire Flux	121 lm	Luminaire Power	3.4 W	Efficacy	35.721 lm/W	Efficiency	100.00%
Source Flux	121 lm	Maximum value	735.69 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73	284407.73
G 5.0	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13	276351.13
G 10.0	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75	275554.75
G 15.0	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59	283969.59
G 20.0	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76	295458.76
G 25.0	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02	286768.02
G 30.0	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16	225774.16
G 35.0	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37	167687.37
G 40.0	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08	119539.08
G 45.0	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94	95388.94
G 50.0	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37	57074.37
G 55.0	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73	26951.73
G 60.0	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41	20195.41
G 65.0	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96	17606.96
G 70.0	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16	16246.16
G 75.0	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27	15038.27
G 80.0	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28	14222.28
G 85.0	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65	18065.65
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## Luminaire

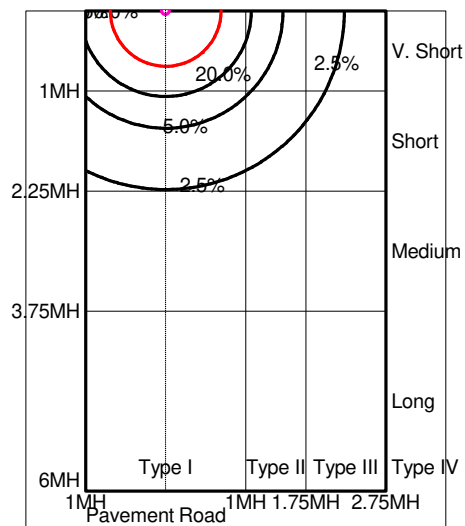
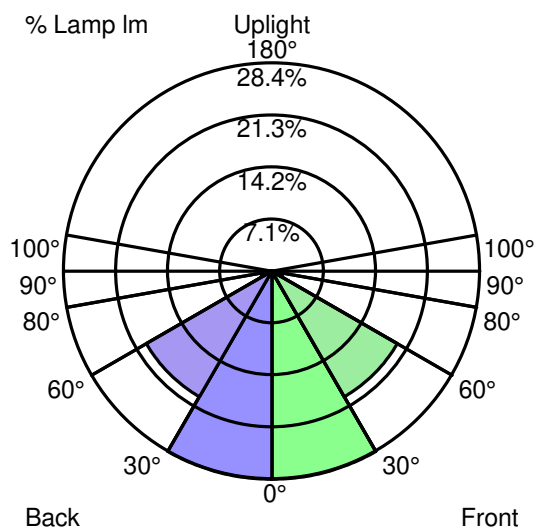
Code 10-6420-81-81V1  
Name GAMMA

## Measurem.

Code 10-6420-81-81V1  
Name GAMMA

Luminaire Flux	121 lm	Luminaire Power	3.4 W	Efficacy	35.721 lm/W	Efficiency	100.00%
Source Flux	121 lm	Maximum value	735.69 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

## US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	34.5 lm	28.4 %	28.4 %
FM	30° -- 60°	24.1 lm	19.8 %	19.8 %
FH	60° -- 80°	1.8 lm	1.5 %	1.5 %
FVH	80° -- 90°	0.3 lm	0.2 %	0.2 %
BL	0° -- 30°	34.5 lm	28.4 %	28.4 %
BM	30° -- 60°	24.1 lm	19.8 %	19.8 %
BH	60° -- 80°	1.8 lm	1.5 %	1.5 %
BVH	80° -- 90°	0.3 lm	0.2 %	0.2 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		121.5 lm	100.0 %	100.0 %
BUG B0 U0 G0 Type V Very Short Quadrilateral Symmetry				