

# LEDS C4<sup>2</sup>

## Luminaire

Code 05-8510-DN-DN  
Name HALL

## Measurement

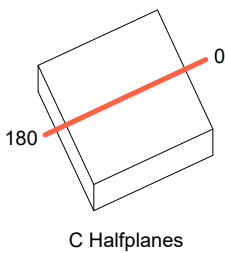
Code 05-8510-DN-DN  
Name HALL

Luminaire Flux	150.30 lm	Luminaire Power	3.00 W	Efficacy	50.10 lm/W	Efficiency	100.00%
Sources Flux	150.30 lm	Maximum value	3759.36 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Rectangular Luminaire Round Luminous Area	Length Diam.	22 mm 15 mm	Width Height	22 mm 0 mm	Height	180 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.000177 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 0.000043 m2				
Coordinate system Date Measurement Distance	CG 10-08-2021 0.00	Symmetry Type Maximum Gamma Angle Measurement Flux	Rotosymmetrical 90 150.30 lm				
Operator Temperature Humidity Notes	qualitat 25.00 °C 60.00 %	Rated Voltage Rated Current Photocell					

## Luminaire Sources

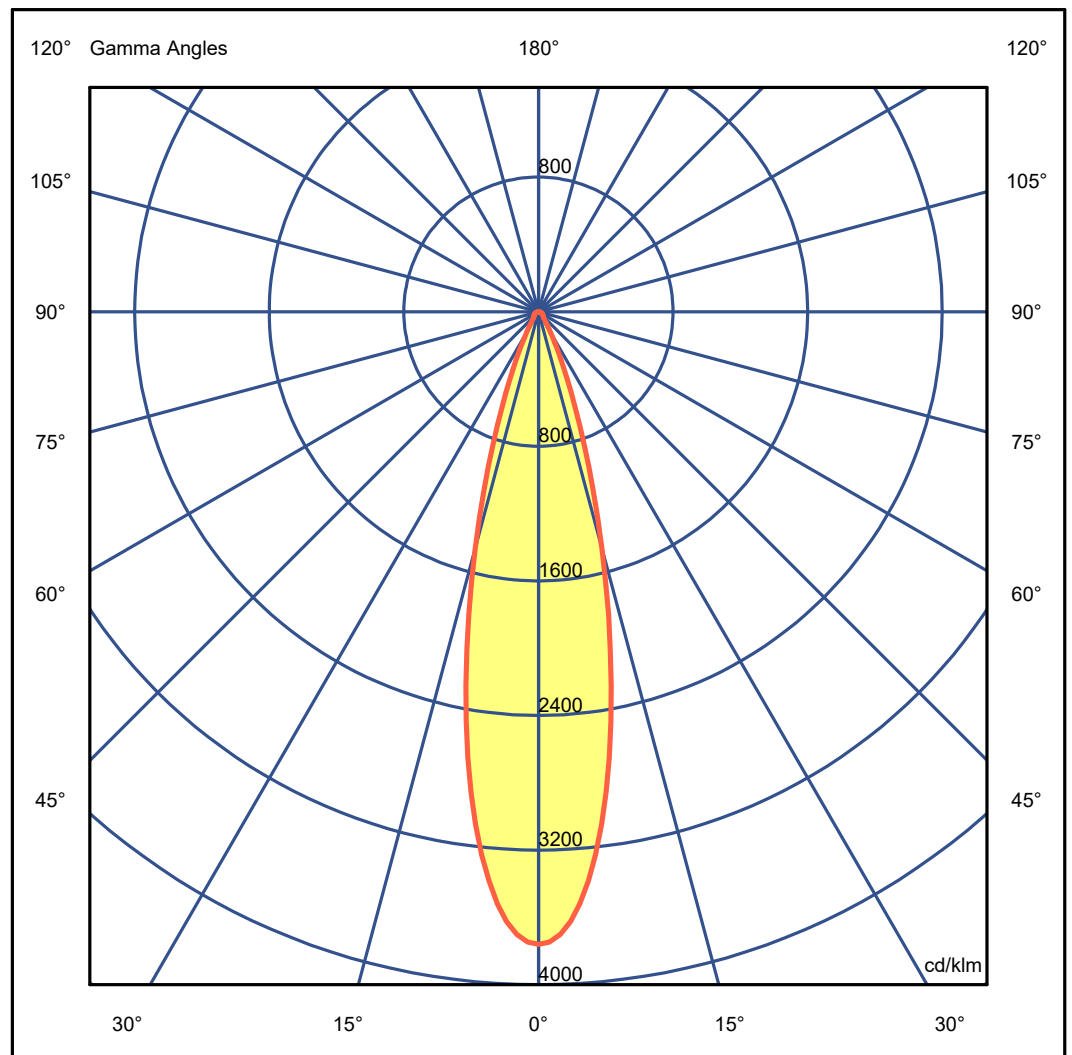
Line	Code LED	Name LED	Flux [lm]	Pow. [W]	Q.ty
C.I.E. F UTE	91 96 99 100 100 1.00 A	D DIN 5040 B NBN	150.30 A60 BZ 1	3.00	1

22mm x 22mm



180.0 — 0.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



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Luminaire Flux	150.30 lm	Luminaire Power	3.00 W	Efficacy	50.10 lm/W	Efficiency	100.00%
Sources Flux	150.30 lm	Maximum value	3759.36 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminous Intensity Table cd/klm Table 1/1

	C 0.00	C 0.00	
G 0.0	3759.36	G 46.0	39.30
G 1.0	3745.91	G 47.0	38.31
G 2.0	3703.18	G 48.0	37.36
G 3.0	3628.56	G 49.0	36.45
G 4.0	3526.01	G 50.0	35.55
G 5.0	3394.56	G 51.0	34.63
G 6.0	3244.04	G 52.0	33.67
G 7.0	3069.49	G 53.0	32.70
G 8.0	2884.17	G 54.0	31.60
G 9.0	2683.24	G 55.0	30.55
G 10.0	2474.49	G 56.0	29.59
G 11.0	2265.84	G 57.0	28.73
G 12.0	2053.19	G 58.0	27.88
G 13.0	1848.23	G 59.0	27.01
G 14.0	1644.68	G 60.0	26.12
G 15.0	1456.56	G 61.0	25.21
G 16.0	1275.91	G 62.0	24.39
G 17.0	1114.57	G 63.0	23.61
G 18.0	965.53	G 64.0	22.87
G 19.0	831.02	G 65.0	22.10
G 20.0	712.68	G 66.0	21.31
G 21.0	606.92	G 67.0	20.51
G 22.0	516.57	G 68.0	19.69
G 23.0	438.87	G 69.0	18.86
G 24.0	374.33	G 70.0	17.99
G 25.0	318.54	G 71.0	17.14
G 26.0	273.74	G 72.0	16.27
G 27.0	234.18	G 73.0	15.39
G 28.0	199.60	G 74.0	14.50
G 29.0	170.76	G 75.0	13.59
G 30.0	145.60	G 76.0	12.67
G 31.0	124.96	G 77.0	11.74
G 32.0	107.45	G 78.0	10.82
G 33.0	93.31	G 79.0	9.88
G 34.0	82.11	G 80.0	8.95
G 35.0	72.89	G 81.0	8.01
G 36.0	65.60	G 82.0	7.07
G 37.0	59.72	G 83.0	6.13
G 38.0	55.01	G 84.0	5.18
G 39.0	51.30	G 85.0	4.21
G 40.0	48.43	G 86.0	3.26
G 41.0	46.13	G 87.0	2.47
G 42.0	44.35	G 88.0	1.89
G 43.0	42.80	G 89.0	1.39
G 44.0	41.51	G 90.0	0.95
G 45.0	40.35		

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Name HALL

**Measur.**

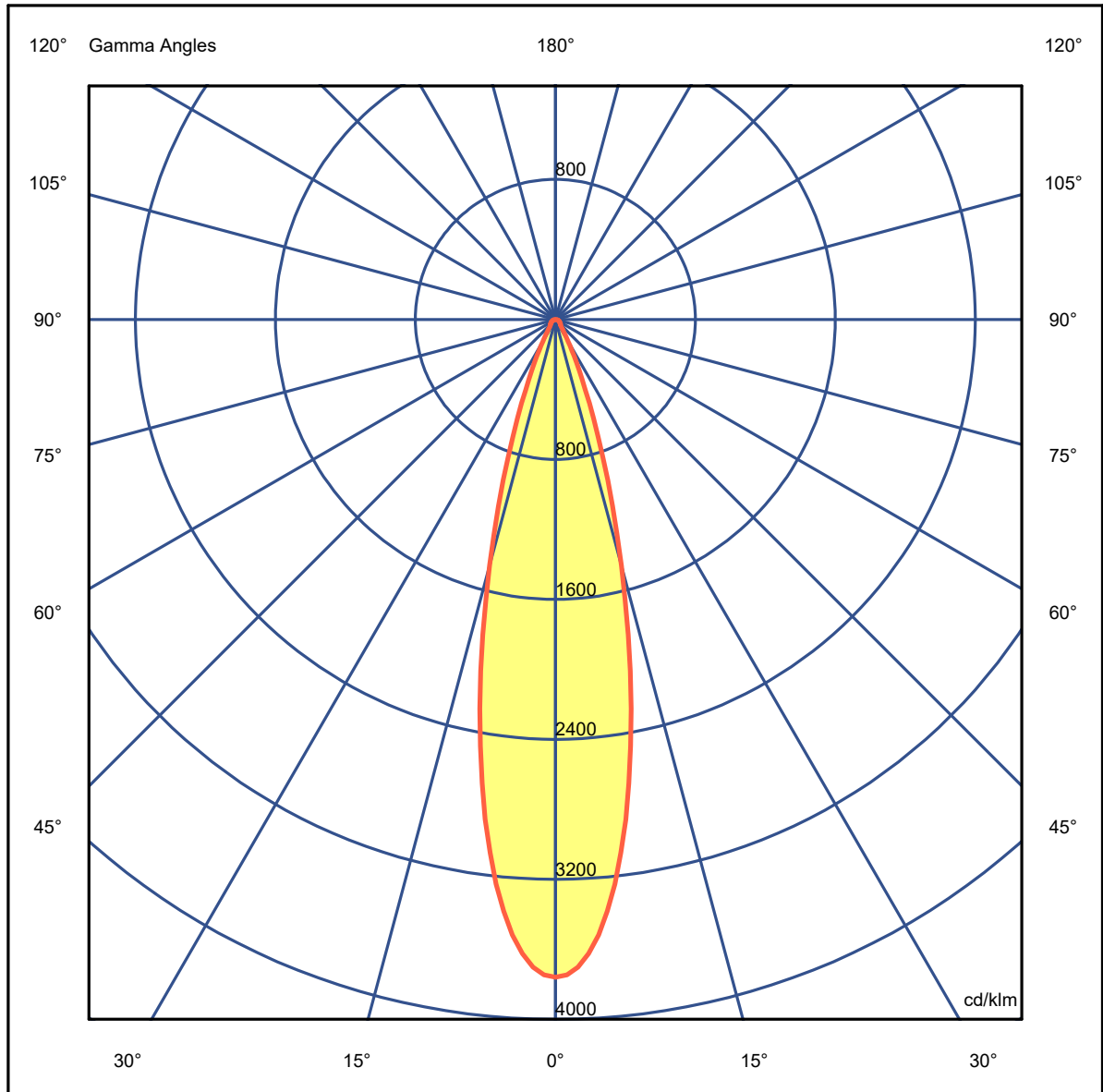
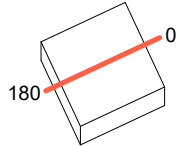
Code 05-8510-DN-DN  
Name HALL

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Sources Flux	150.30 lm	Maximum value	3759.36 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

22mm x 22mm

C Halfplanes

180.0  0.0



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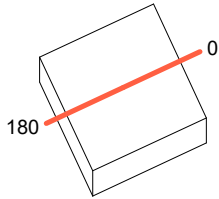
## Measurem.

Code 05-8510-DN-DN  
Name HALL

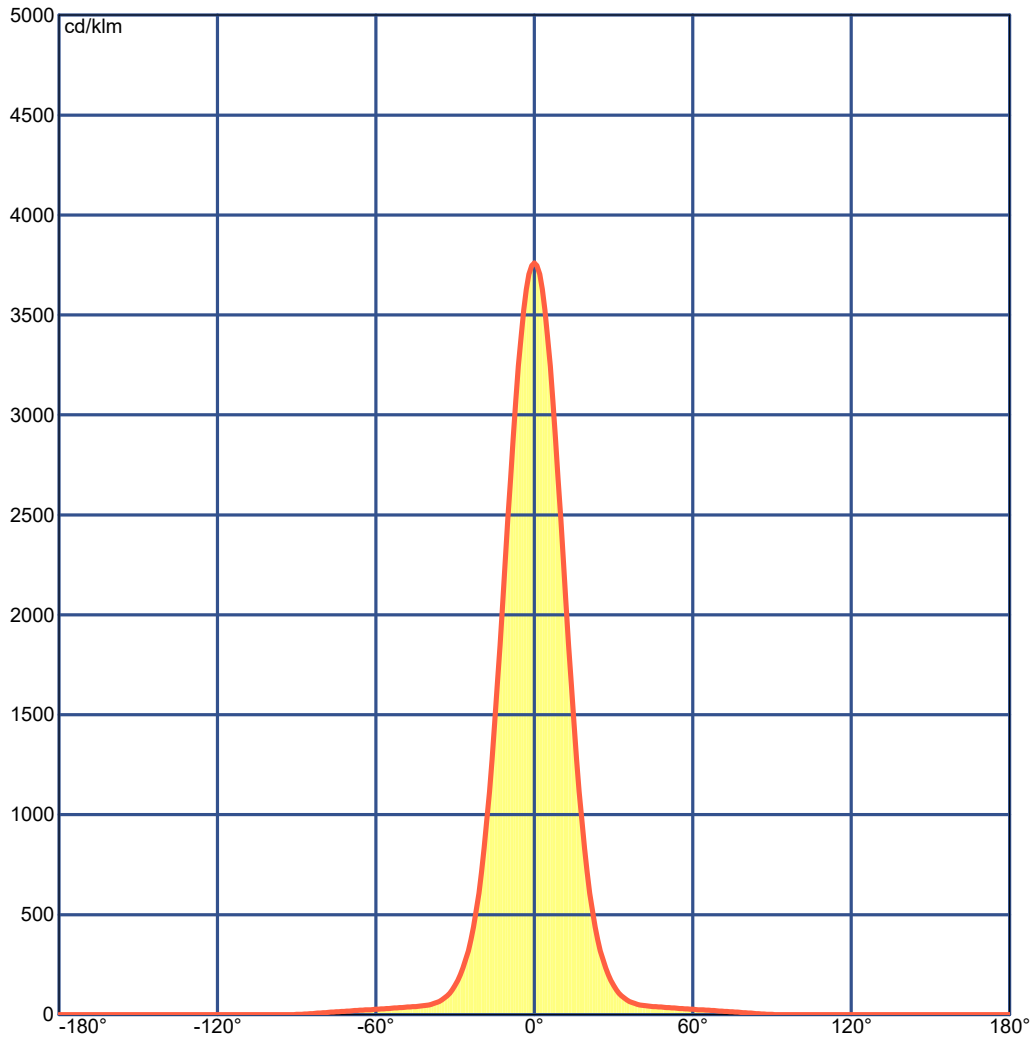
Luminaire Flux	150.30 lm	Luminaire Power	3.00 W	Efficacy	50.10 lm/W	Efficiency	100.00%
Sources Flux	150.30 lm	Maximum value	3759.36 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

22mm x 22mm

C Halfplanes



180.0 ————— 0.0



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Code 05-8510-DN-DN  
Name HALL

Luminaire Flux	150.30 lm	Luminaire Power	3.00 W	Efficacy	50.10 lm/W	Efficiency	100.00%
Sources Flux	150.30 lm	Maximum value	3759.36 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	20.3	21.0	20.5	21.2	21.4	20.3	21.0	20.5	21.2	21.4
x=2H y=3H	22.0	22.7	22.2	22.9	23.1	22.0	22.7	22.2	22.9	23.1
x=2H y=4H	22.7	23.4	23.1	23.6	23.9	22.7	23.4	23.1	23.6	23.9
x=2H y=6H	23.4	24.0	23.7	24.3	24.5	23.4	24.0	23.7	24.3	24.5
x=2H y=8H	23.6	24.2	24.0	24.5	24.8	23.6	24.2	24.0	24.5	24.8
x=2H y=12H	23.8	24.3	24.1	24.6	25.0	23.8	24.3	24.1	24.6	25.0
x=4H y=2H	21.0	21.6	21.3	21.9	22.1	21.0	21.6	21.3	21.9	22.1
x=4H y=3H	22.9	23.4	23.2	23.7	24.1	22.9	23.4	23.2	23.7	24.1
x=4H y=4H	23.8	24.3	24.2	24.6	25.0	23.8	24.3	24.2	24.6	25.0
x=4H y=6H	24.6	25.0	25.0	25.4	25.7	24.6	25.0	25.0	25.4	25.7
x=4H y=8H	24.9	25.2	25.3	25.6	26.0	24.9	25.2	25.3	25.6	26.0
x=4H y=12H	25.1	25.4	25.5	25.8	26.3	25.1	25.4	25.5	25.8	26.3
x=8H y=4H	24.2	24.5	24.6	24.9	25.3	24.2	24.5	24.6	24.9	25.3
x=8H y=6H	25.1	25.4	25.6	25.8	26.3	25.1	25.4	25.6	25.8	26.3
x=8H y=8H	25.5	25.7	26.0	26.2	26.7	25.5	25.7	26.0	26.2	26.7
x=8H y=12H	25.8	26.0	26.3	26.5	27.0	25.8	26.0	26.3	26.5	27.0
x=12H y=4H	24.2	24.5	24.7	24.9	25.4	24.2	24.5	24.7	24.9	25.4
x=12H y=6H	25.2	25.4	25.7	25.9	26.4	25.2	25.4	25.7	25.9	26.4
x=12H y=8H	25.7	25.8	26.1	26.3	26.8	25.7	25.8	26.1	26.3	26.8



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Sources Flux	150.30 lm	Maximum value	3759.36 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	169	152	103	93	145	88	96	82	56	48	34	25	18	12	44	27	24	14	11	23	12	10	0	0.80	203	186	112	103	177	98	126	110	66	58	43	34	25	18	54	35	32	21	17	30	18	16	0	1.00	226	211	113	106	200	101	150	134	72	64	49	41	32	24	60	42	38	27	23	37	24	21	0	1.25	249	235	114	108	223	104	175	159	77	70	56	48	39	31	66	49	45	34	30	43	31	28	0	1.50	266	253	114	109	241	105	195	179	81	75	61	54	46	38	71	54	51	41	36	49	37	33	0	2.00	289	278	111	107	265	103	226	211	85	80	69	62	56	48	76	62	59	51	46	57	46	43	0	2.50	304	294	107	105	281	101	247	234	87	83	74	68	63	56	79	68	65	58	54	62	54	50	0	3.00	315	306	105	102	293	100	264	252	88	85	78	72	69	62	81	72	69	64	60	67	60	56	0	4.00	331	324	103	102	310	99	287	277	91	88	84	79	77	71	85	78	76	72	69	73	68	65	0	5.00	341	335	103	101	321	99	303	294	93	91	87	83	82	77	87	82	81	78	75	78	74	70	0	10.00	364	361	101	101	346	99	338	332	97	96	96	94	94	91	93	92	91	91	89	88	88	84	0	20.00	376	375	101	101	360	99	357	355	100	99	101	99	101	99	97	98	97	98	97	95	95	93	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	307	298	223	218	293	215	231	224	174	170	145	142	125	123	168	143	142	124	123	141	123	122	100	0.80	345	334	240	235	327	231	266	258	193	189	165	162	145	142	186	162	160	143	141	159	141	140	114	1.00	363	353	241	236	343	232	286	277	198	194	173	169	154	150	191	169	167	151	149	165	149	147	118	1.25	383	372	243	239	360	235	308	297	205	201	182	177	164	160	197	176	175	160	158	172	157	155	123	1.50	396	386	243	240	372	235	323	313	209	205	188	183	171	166	200	181	180	166	164	176	163	160	125	2.00	400	392	227	225	375	220	334	323	199	196	183	178	169	164	190	175	174	163	160	169	159	155	116	2.50	397	389	209	207	370	202	335	325	186	184	173	169	161	156	176	165	163	155	152	158	150	145	104	3.00	388	381	190	188	360	183	331	321	171	168	160	156	150	146	161	151	150	143	141	144	137	132	89	4.00	383	377	172	170	354	165	331	322	156	154	148	145	141	136	146	139	137	133	130	131	126	119	74	5.00	375	370	156	154	346	149	326	319	142	140	136	133	131	126	131	126	125	122	119	118	114	107	59	10.00	317	314	78	78	286	72	277	272	70	69	69	67	67	64	59	58	57	57	55	48	47	38	0	20.00	201	200	0	0	170	0	167	164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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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	861	851	803	797	844	794	769	762	740	736	704	701	678	676	734	701	700	677	676	699	676	675	666	0.80	929	917	855	850	907	845	832	823	794	789	757	753	730	727	785	752	751	728	726	749	726	724	715	1.00	988	976	900	895	963	889	891	880	843	838	809	803	782	778	832	802	800	779	776	798	776	774	764	1.25	1000	1000	936	930	1000	923	942	930	883	877	851	845	826	820	870	843	840	820	818	836	816	813	804	1.50	1000	1000	961	956	1000	948	981	968	912	906	882	876	858	852	898	873	870	852	849	865	847	842	833	2.00	1000	1000	998	995	1000	986	1000	1000	958	953	934	928	915	908	943	923	920	906	902	913	898	892	884	2.50	1000	1000	1000	1000	1000	1000	1000	1000	988	984	969	962	953	945	972	956	953	942	938	945	933	925	917	3.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	994	987	980	973	992	979	977	968	964	967	949	941	4.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	994	991	989	982	971	963	5.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	997	984	976	10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
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LM53 SHR C0-C180: 0.425 SHR C90-C270: 0.425 SHR Square: 0.441

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## Measurem.

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Name HALL

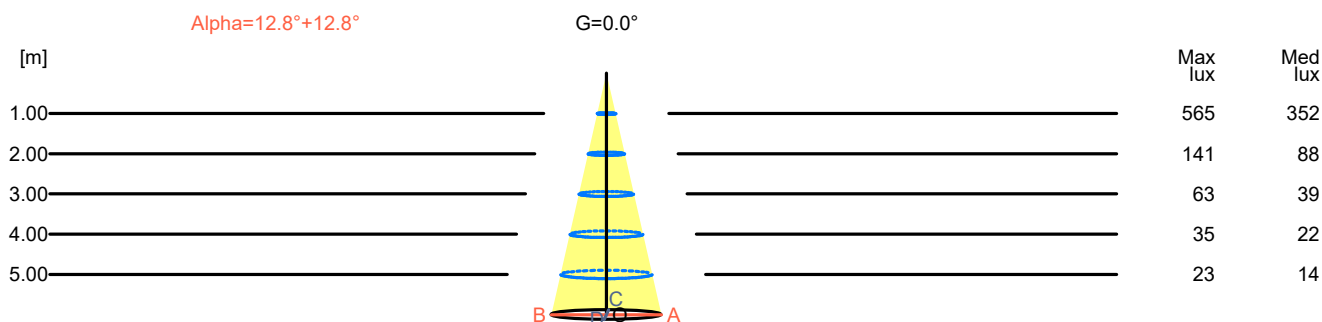
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Sources Flux	150.30 lm	Maximum value	3759.36 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

### 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	0.23	0.46	0.68	0.91	1.14	OC	0.23	0.46	0.68	0.91	1.14
OB	0.23	0.46	0.68	0.91	1.14	OD	0.23	0.46	0.68	0.91	1.14

### Luminous Intensities [ cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	565.03	510.20	218.92	47.88	10.96	6.06	4.59	3.32	2.04	0.63
OB	565.03	510.20	218.92	47.88	10.96	6.06	4.59	3.32	2.04	0.63
OC	565.03	510.20	218.92	47.88	10.96	6.06	4.59	3.32	2.04	0.63
OD	565.03	510.20	218.92	47.88	10.96	6.06	4.59	3.32	2.04	0.63



H[m]	D[m]	Max lux	Med lux	Alpha=12.8°+12.8°	G=0.0	
1.00	0.46	565	352			
2.00	0.91	141	88			
3.00	1.37	63	39			
4.00	1.82	35	22			
5.00	2.28	23	14			



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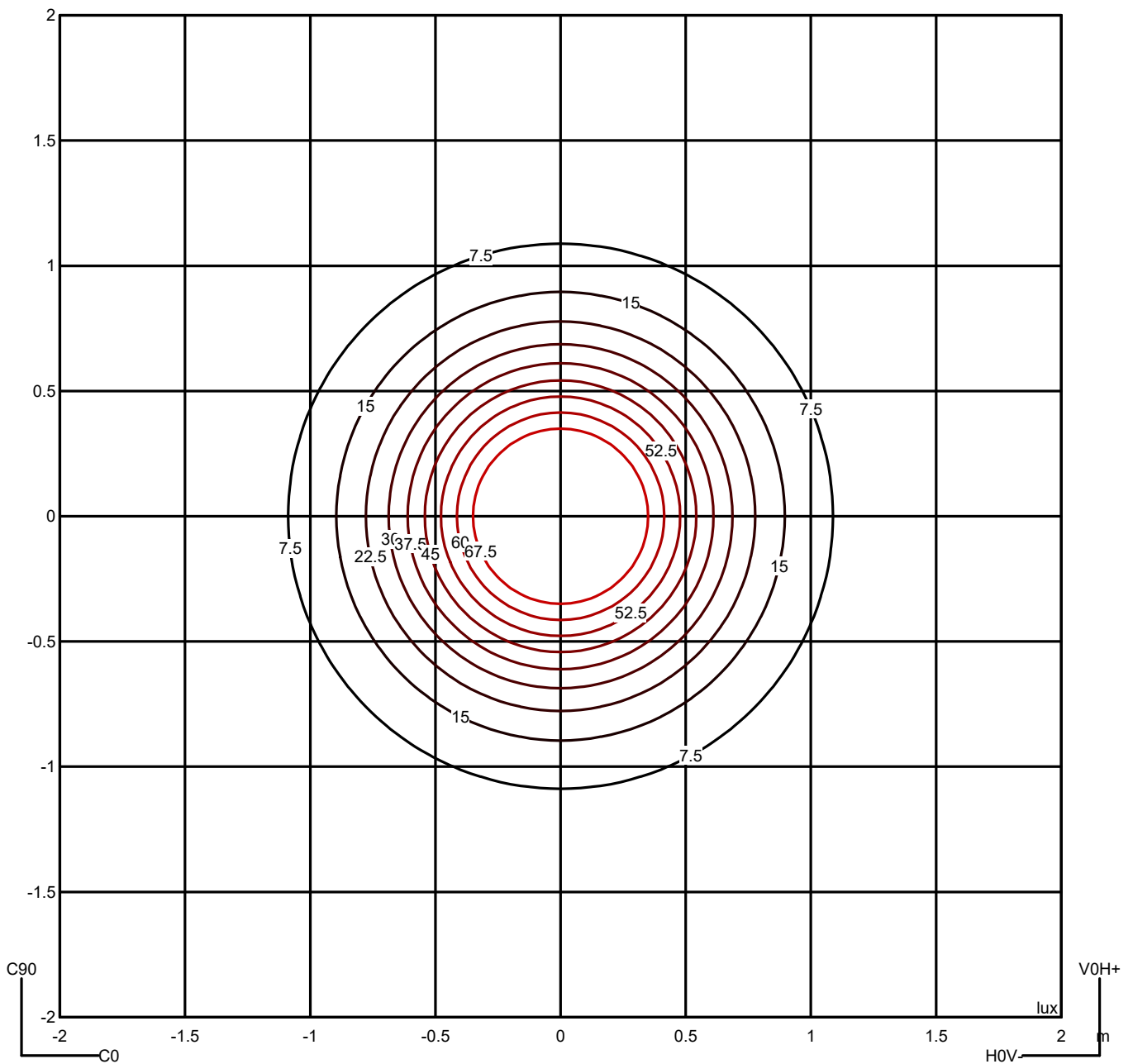
**Measur.**

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Name HALL

Luminaire Flux	150.30 lm	Luminaire Power	3.00 W	Efficacy	50.10 lm/W	Efficiency	100.00%
Sources Flux	150.30 lm	Maximum value	3759.36 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Isolux (Floor)

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



# LEDS C4<sup>®</sup>

**Luminaire**

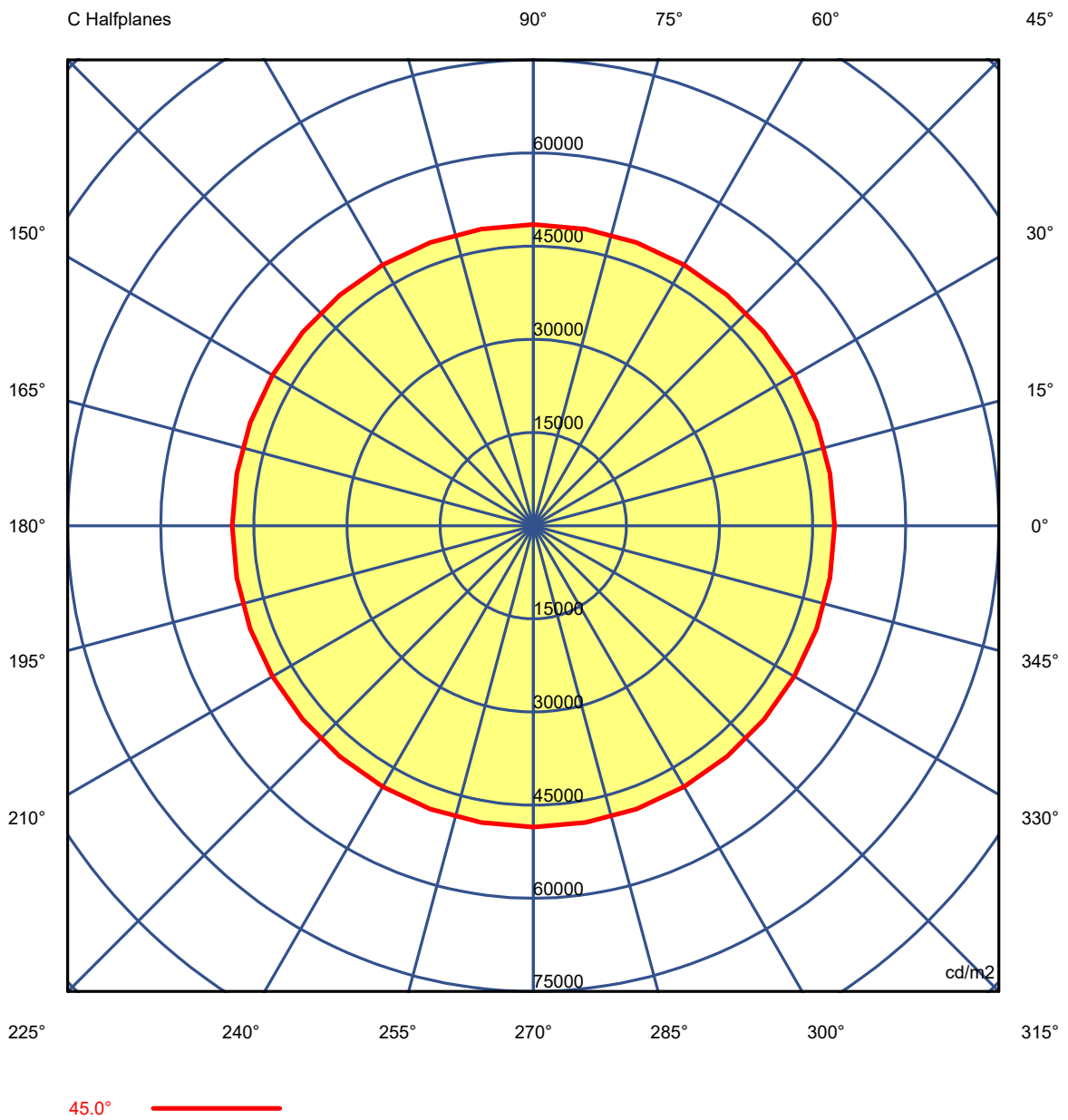
Code 05-8510-DN-DN  
Name HALL

**Measur.**

Code 05-8510-DN-DN  
Name HALL

Luminaire Flux	150.30 lm	Luminaire Power	3.00 W	Efficacy	50.10 lm/W	Efficiency	100.00%
Sources Flux	150.30 lm	Maximum value	3759.36 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminance



# LEDS C4<sup>2</sup>

## Luminaire

Code 05-8510-DN-DN  
Name HALL

## Measurement

Code 05-8510-DN-DN  
Name HALL

Luminaire Flux	150.30 lm	Luminaire Power	3.00 W	Efficacy	50.10 lm/W	Efficiency	100.00%
Sources Flux	150.30 lm	Maximum value	3759.36 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	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53
G 5.0	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52
G 10.0	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91
G 15.0	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23
G 20.0	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67
G 25.0	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07
G 30.0	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64
G 35.0	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83
G 40.0	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94
G 45.0	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88
G 50.0	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93
G 55.0	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52
G 60.0	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62
G 65.0	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98
G 70.0	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11
G 75.0	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28
G 80.0	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51
G 85.0	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36
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

# LEDS C4<sup>+</sup>

## Luminaire

Code 05-8510-DN-DN

Name HALL

## Measurement

Code 05-8510-DN-DN

Name HALL

Luminaire Flux	150.30 lm	Luminaire Power	3.00 W	Efficacy	50.10 lm/W	Efficiency	100.00%
Sources Flux	150.30 lm	Maximum value	3759.36 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	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53
G 5.0	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52
G 10.0	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91
G 15.0	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23
G 20.0	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67
G 25.0	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07
G 30.0	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64
G 35.0	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83
G 40.0	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94
G 45.0	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88
G 50.0	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93
G 55.0	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52
G 60.0	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62
G 65.0	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98
G 70.0	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11
G 75.0	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28
G 80.0	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51
G 85.0	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36
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

# LEDS C4<sup>®</sup>

## Luminaire

Code 05-8510-DN-DN  
Name HALL

## Measurment

Code 05-8510-DN-DN  
Name HALL

Luminaire Flux	150.30 lm	Luminaire Power	3.00 W	Efficacy	50.10 lm/W	Efficiency	100.00%
Sources Flux	150.30 lm	Maximum value	3759.36 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

### Luminance cd/m<sup>2</sup> 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	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53	3197422.53
G 5.0	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52	2898178.52
G 10.0	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91	2137072.91
G 15.0	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23	1282537.23
G 20.0	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67	645055.67
G 25.0	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07	298935.07
G 30.0	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64	142989.64
G 35.0	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83	75684.83
G 40.0	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94	53768.94
G 45.0	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88	48529.88
G 50.0	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93	47043.93
G 55.0	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52	45293.52
G 60.0	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62	44430.62
G 65.0	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98	44479.98
G 70.0	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11	44747.11
G 75.0	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28	44661.28
G 80.0	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51	43860.51
G 85.0	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36	41089.36
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# LEDS C4<sup>2</sup>

## Luminaire

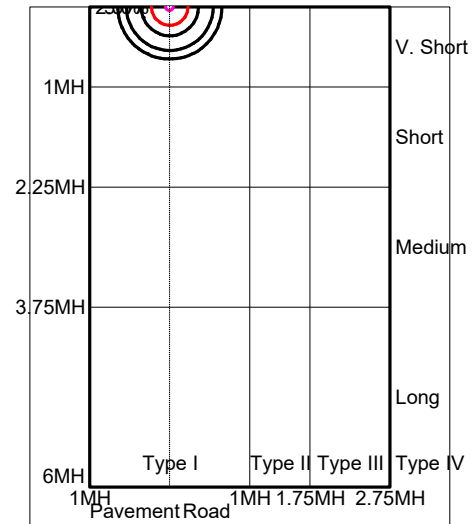
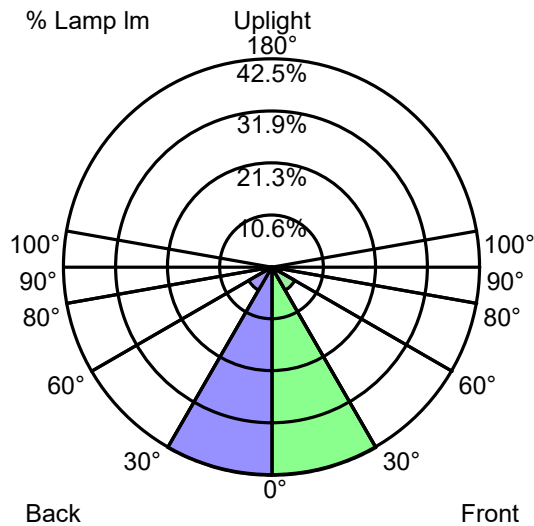
Code 05-8510-DN-DN  
Name HALL

## Measurement

Code 05-8510-DN-DN  
Name HALL

Luminaire Flux	150.30 lm	Luminaire Power	3.00 W	Efficacy	50.10 lm/W	Efficiency	100.00%
Sources Flux	150.30 lm	Maximum value	3759.36 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°	63.9 lm	42.5 %	42.5 %
FM	30° -- 60°	8.2 lm	5.4 %	5.4 %
FH	60° -- 80°	2.7 lm	1.8 %	1.8 %
FVH	80° -- 90°	0.4 lm	0.2 %	0.2 %
BL	0° -- 30°	63.9 lm	42.5 %	42.5 %
BM	30° -- 60°	8.2 lm	5.4 %	5.4 %
BH	60° -- 80°	2.7 lm	1.8 %	1.8 %
BVH	80° -- 90°	0.4 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		150.3 lm	100.0 %	100.0 %
BUG B0 U0 G0		Type V Very Short	Quadrilateral Symmetry	