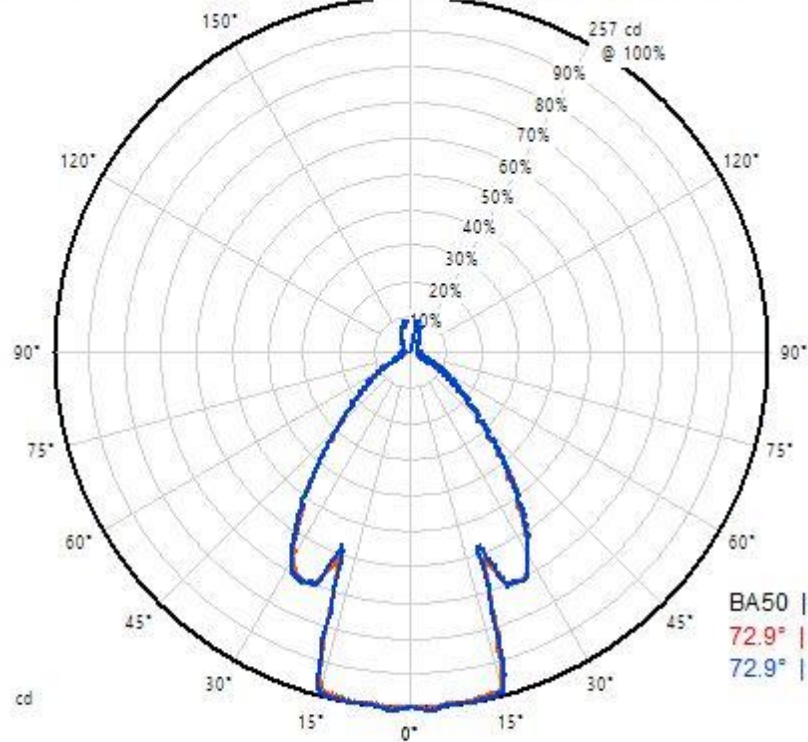


C0-180  
C90-270

Goniophotometric Test Report



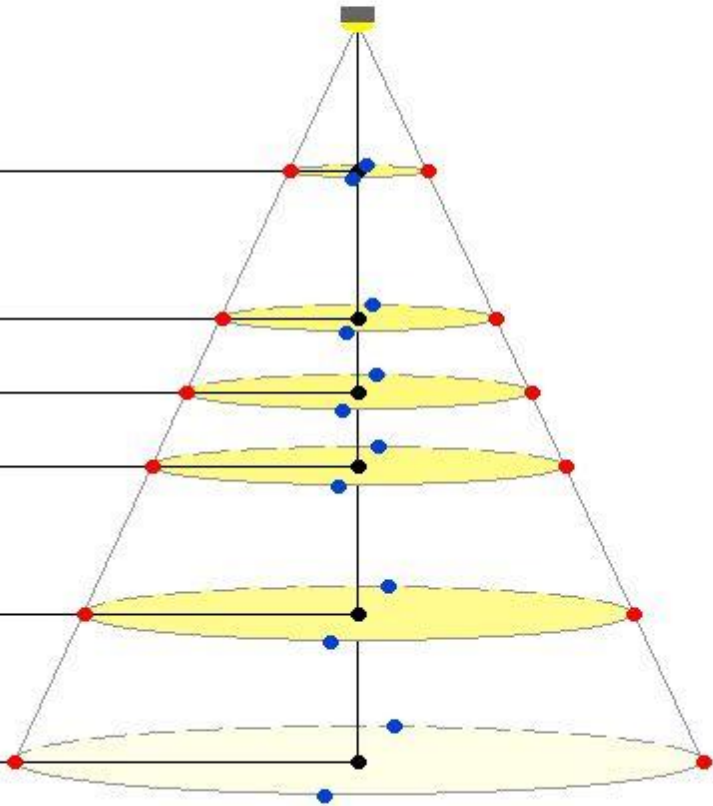
Phi = 416.4 lm  
LPW = 52.1 lm/W  
DWFF = 89.4 %  
lv(g=0) = 254.7 cd

BA50 | BA10  
72.9° | 119.5°  
72.9° | 119.3°

Pin = 7.994 W  
PF = 0.9320  
Vin = 230.4 V  
If = 0.0370 A

H (m) | Width | Ev at e |  
Ev at n - C0-180 C90-270

1.0 m	1.5 m	1.5 m
240 lv	62 lv	62 lv
2.0 m	3.0 m	3.0 m
62 lv	16 lv	16 lv
2.5 m	3.7 m	3.7 m
41 lv	11 lv	11 lv
3.0 m	4.4 m	4.4 m
28 lv	7.4 lv	7.4 lv
4.0 m	5.9 m	5.9 m
16 lv	4.2 lv	4.2 lv
5.0 m	7.4 m	7.4 m
10 lv	2.7 lv	2.7 lv



Beam angle determined by Luminous Intensity, lv max\*50%. C0-180: 72.9 de

Table. Measurement results of the main luminous parameters

Luminous flux	Input power	Luminous efficacy	LOR	DWFF	Luminous intensity (g=0)
416.4 lm	8 W	52.1 lm/W	100.0 %	89.4 %	254.7 cd

Table. Electrical parameters during the light measurements.

	Pin	PF	Vin	If
Value	7.994 W	0.9320	230.4 V	0.0370 A
St.dev.	0.03 %	0.00 %	0.02 %	0.00 %

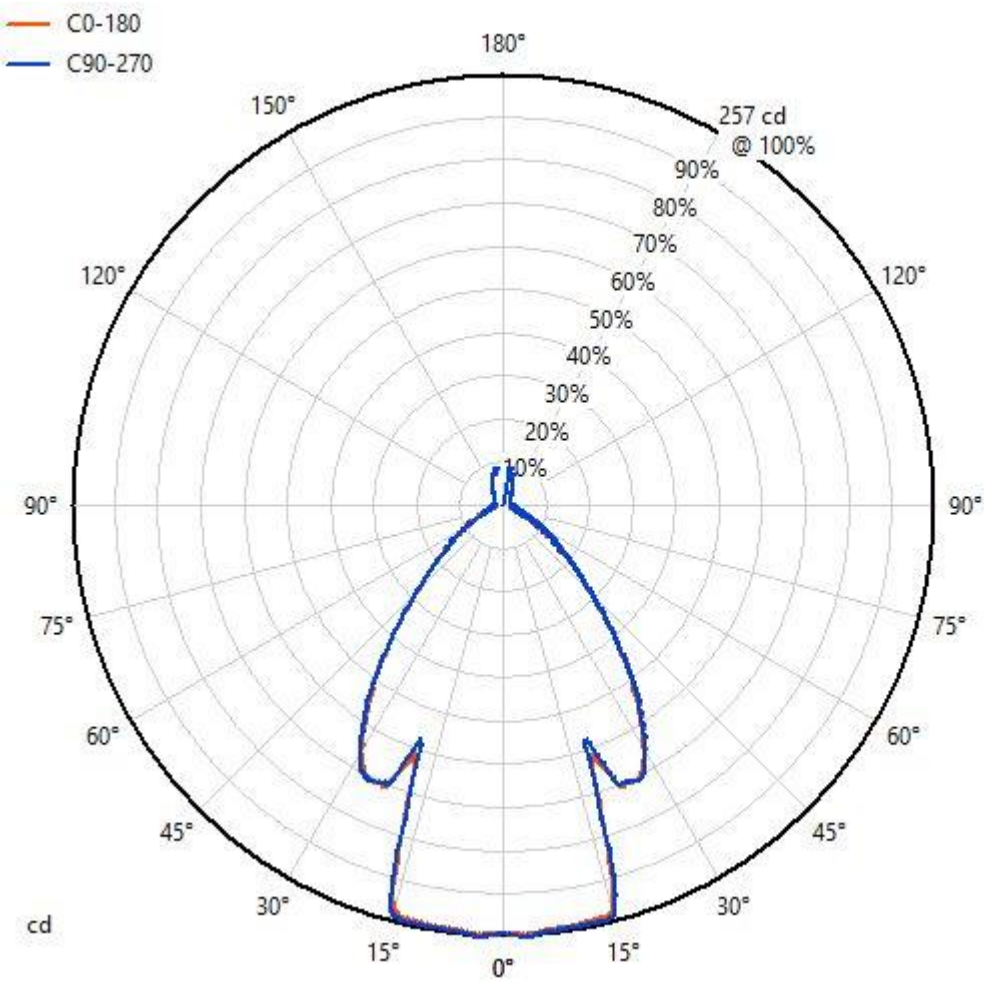
Table. Maximum Luminous Intensity and its direction

Iv	g	C plane
257 cd	3.5°	90.0°

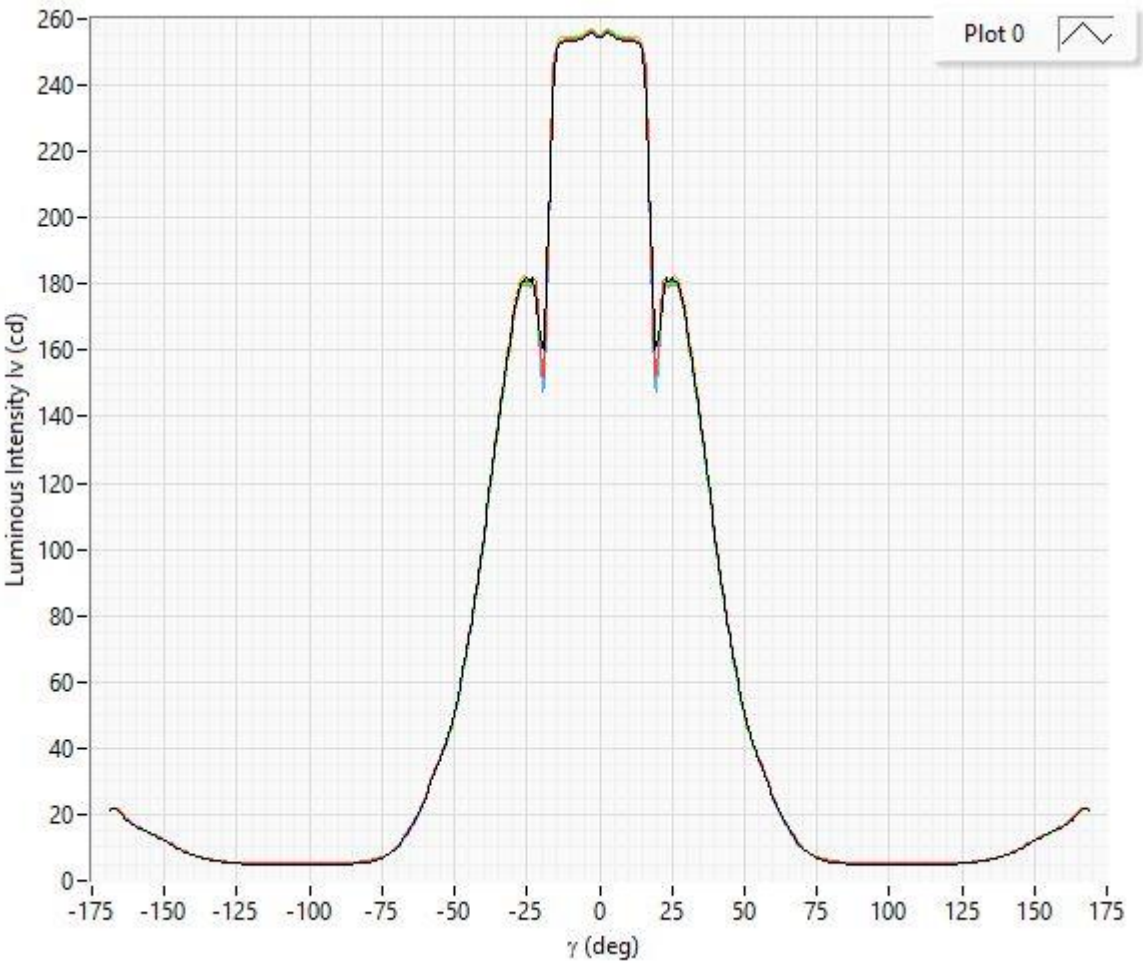
Table. Beam widths at two perpendicular planes

	Beam angle, FWHM, 50% (deg)	Beam angle, 10% (deg)	Effective beam direction from g=0
C0-180	72.9°	119.5°	-0.0°
C90-270	72.9°	119.3°	0.0°

**Figure. Polar curve of the angular Luminous Intensity distribution at two perpendicular C planes and at C plane with maximum Luminous Intensity.**



**Figure. Luminous Intensity distribution in cartesian diagram at all measured C planes.**



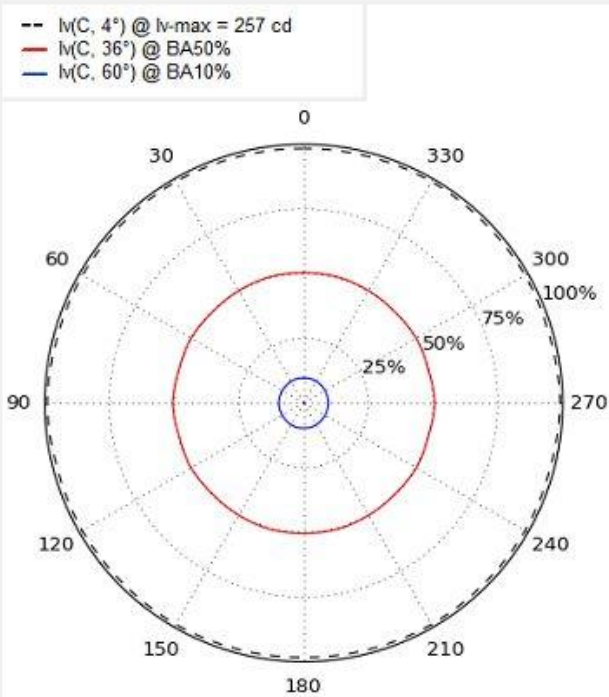


Table. Zonal lumen summary

	Lumens	Relative lumens (%)
0-20	87.69	21.06
0-30	170.00	40.83
0-40	254.30	61.07
0-60	342.80	82.32
0-80	366.20	87.94
0-90	372.20	89.39
10-90	346.68	83.26
20-40	166.61	40.01
20-50	222.81	53.51
40-70	104.30	25.05
40-90	117.90	28.31
60-80	23.40	5.62
60-90	29.40	7.06
70-80	7.60	1.83
80-90	6.00	1.44
90-110	11.30	2.71
90-120	16.40	3.94
90-130	21.20	5.09
90-150	32.30	7.76
90-180	44.20	10.61
110-180	32.90	7.90
0-180	416.40	100.00
	234.50	56.32

**Table. Cumulative and Zonal luminous flux**

gamma (deg)	Zone Flux (lm)	Sum Flux (lm)	Zone Flux (%)	Sum Flux (%)
0	0.01523	0.01523	0.003658	0.003658
0.5	0.122	0.1372	0.02929	0.03295
1	0.2443	0.3815	0.05868	0.09163
1.5	0.3672	0.7488	0.08819	0.1798
2	0.4902	1.239	0.1177	0.2975
2.5	0.6131	1.852	0.1472	0.4448
3	0.7352	2.587	0.1765	0.6213
3.5	0.8569	3.444	0.2058	0.8271
4	0.9778	4.422	0.2348	1.062
4.5	1.098	5.52	0.2638	1.326
5	1.218	6.739	0.2926	1.618
5.5	1.338	8.077	0.3213	1.94
6	1.458	9.535	0.3502	2.29
6.5	1.578	11.11	0.379	2.669
7	1.699	12.81	0.4079	3.077
7.5	1.819	14.63	0.4369	3.514
8	1.939	16.57	0.4657	3.979
8.5	2.059	18.63	0.4945	4.474
9	2.179	20.81	0.5233	4.997
9.5	2.299	23.11	0.552	5.549
10	2.417	25.52	0.5805	6.13
10.5	2.537	28.06	0.6094	6.739
11	2.655	30.72	0.6376	7.377
11.5	2.773	33.49	0.6659	8.042
12	2.892	36.38	0.6945	8.737
12.5	3.008	39.39	0.7224	9.459
13	3.126	42.51	0.7506	10.21
13.5	3.24	45.75	0.7781	10.99
14	3.355	49.11	0.8057	11.79
14.5	3.463	52.57	0.8315	12.63
15	3.565	56.14	0.8561	13.48
15.5	3.649	59.79	0.8764	14.36
16	3.667	63.45	0.8806	15.24
16.5	3.594	67.05	0.8631	16.1
17	3.426	70.47	0.8228	16.92
17.5	3.193	73.67	0.7669	17.69
18	2.958	76.62	0.7104	18.4
18.5	2.786	79.41	0.669	19.07
19	2.71	82.12	0.6508	19.72
19.5	2.725	84.85	0.6545	20.38
20	2.846	87.69	0.6834	21.06
20.5	3.046	90.74	0.7315	21.79
21	3.275	94.01	0.7864	22.58

21.5	3.489	97.5	0.8378	23.42
22	3.655	101.2	0.8777	24.29
22.5	3.777	104.9	0.9071	25.2
23	3.861	108.8	0.9272	26.13
23.5	3.933	112.7	0.9445	27.07
24	4.013	116.7	0.9636	28.04
24.5	4.094	120.8	0.9833	29.02
25	4.18	125	1.004	30.02
25.5	4.268	129.3	1.025	31.05
26	4.352	133.6	1.045	32.09
26.5	4.424	138.1	1.062	33.15
27	4.479	142.5	1.076	34.23
27.5	4.519	147.1	1.085	35.32
28	4.55	151.6	1.093	36.41
28.5	4.573	156.2	1.098	37.51
29	4.587	160.8	1.102	38.61
29.5	4.595	165.4	1.104	39.71
30	4.596	170	1.104	40.82
30.5	4.591	174.5	1.103	41.92
31	4.578	179.1	1.099	43.02
31.5	4.563	183.7	1.096	44.11
32	4.542	188.2	1.091	45.2
32.5	4.513	192.7	1.084	46.29
33	4.482	197.2	1.076	47.36
33.5	4.445	201.7	1.067	48.43
34	4.405	206.1	1.058	49.49
34.5	4.358	210.4	1.047	50.54
35	4.306	214.7	1.034	51.57
35.5	4.253	219	1.021	52.59
36	4.194	223.2	1.007	53.6
36.5	4.133	227.3	0.9927	54.59
37	4.068	231.4	0.9769	55.57
37.5	3.999	235.4	0.9603	56.53
38	3.928	239.3	0.9434	57.47
38.5	3.857	243.2	0.9262	58.4
39	3.781	247	0.908	59.31
39.5	3.705	250.7	0.8897	60.2
40	3.628	254.3	0.8713	61.07
40.5	3.551	257.8	0.8528	61.92
41	3.469	261.3	0.8331	62.75
41.5	3.39	264.7	0.8141	63.57
42	3.31	268	0.7949	64.36
42.5	3.231	271.2	0.7759	65.14
43	3.149	274.4	0.7562	65.89
43.5	3.069	277.5	0.737	66.63
44	2.991	280.4	0.7182	67.35
44.5	2.913	283.4	0.6995	68.05
45	2.832	286.2	0.6802	68.73
45.5	2.756	288.9	0.6618	69.39



46	2.679	291.6	0.6435	70.03
46.5	2.604	294.2	0.6253	70.66
47	2.528	296.8	0.6072	71.27
47.5	2.456	299.2	0.5898	71.86
48	2.385	301.6	0.5727	72.43
48.5	2.316	303.9	0.5562	72.99
49	2.246	306.2	0.5394	73.52
49.5	2.181	308.3	0.5237	74.05
50	2.117	310.5	0.5084	74.56
50.5	2.055	312.5	0.4936	75.05
51	1.997	314.5	0.4796	75.53
51.5	1.942	316.5	0.4665	76
52	1.891	318.3	0.4541	76.45
52.5	1.845	320.2	0.4431	76.89
53	1.801	322	0.4326	77.33
53.5	1.761	323.7	0.423	77.75
54	1.723	325.5	0.4138	78.16
54.5	1.684	327.2	0.4045	78.57
55	1.644	328.8	0.3949	78.96
55.5	1.603	330.4	0.385	79.35
56	1.561	332	0.3748	79.72
56.5	1.517	333.5	0.3643	80.09
57	1.471	335	0.3533	80.44
57.5	1.424	336.4	0.3421	80.78
58	1.378	337.8	0.331	81.11
58.5	1.33	339.1	0.3195	81.43
59	1.282	340.4	0.3078	81.74
59.5	1.234	341.6	0.2964	82.04
60	1.187	342.8	0.285	82.32
60.5	1.14	343.9	0.2738	82.6
61	1.094	345	0.2628	82.86
61.5	1.051	346.1	0.2523	83.11
62	1.01	347.1	0.2425	83.35
62.5	0.9708	348.1	0.2331	83.59
63	0.9337	349	0.2242	83.81
63.5	0.8989	349.9	0.2159	84.03
64	0.8639	350.8	0.2075	84.23
64.5	0.8295	351.6	0.1992	84.43
65	0.7941	352.4	0.1907	84.62
65.5	0.7592	353.1	0.1823	84.81
66	0.7244	353.9	0.174	84.98
66.5	0.6909	354.5	0.1659	85.15
67	0.6578	355.2	0.158	85.3
67.5	0.6274	355.8	0.1507	85.45
68	0.5982	356.4	0.1437	85.6
68.5	0.5716	357	0.1373	85.74
69	0.5471	357.6	0.1314	85.87
69.5	0.5249	358.1	0.126	85.99
70	0.5047	358.6	0.1212	86.11

70.5	0.4861	359.1	0.1167	86.23
71	0.4686	359.5	0.1125	86.34
71.5	0.4531	360	0.1088	86.45
72	0.4385	360.4	0.1053	86.56
72.5	0.4253	360.9	0.1021	86.66
73	0.4129	361.3	0.09916	86.76
73.5	0.4017	361.7	0.09646	86.86
74	0.3913	362.1	0.09397	86.95
74.5	0.3816	362.4	0.09164	87.04
75	0.3725	362.8	0.08945	87.13
75.5	0.3644	363.2	0.08751	87.22
76	0.3583	363.5	0.08606	87.3
76.5	0.3522	363.9	0.08458	87.39
77	0.3464	364.2	0.08319	87.47
77.5	0.3416	364.6	0.08204	87.55
78	0.3373	364.9	0.081	87.63
78.5	0.3332	365.2	0.08003	87.71
79	0.3284	365.6	0.07887	87.79
79.5	0.3234	365.9	0.07766	87.87
80	0.3194	366.2	0.07671	87.95
80.5	0.3155	366.5	0.07578	88.02
81	0.3125	366.8	0.07506	88.1
81.5	0.3096	367.2	0.07436	88.17
82	0.3067	367.5	0.07367	88.25
82.5	0.3043	367.8	0.07307	88.32
83	0.3021	368.1	0.07256	88.39
83.5	0.3004	368.4	0.07214	88.46
84	0.2987	368.7	0.07173	88.54
84.5	0.2971	369	0.07136	88.61
85	0.2958	369.3	0.07104	88.68
85.5	0.2946	369.6	0.07074	88.75
86	0.2934	369.8	0.07047	88.82
86.5	0.2925	370.1	0.07023	88.89
87	0.2915	370.4	0.07001	88.96
87.5	0.2904	370.7	0.06974	89.03
88	0.2893	371	0.06949	89.1
88.5	0.2884	371.3	0.06926	89.17
89	0.2876	371.6	0.06906	89.24
89.5	0.2867	371.9	0.06885	89.31
90	0.2859	372.2	0.06865	89.38
90.5	0.2851	372.4	0.06846	89.44
91	0.2843	372.7	0.06828	89.51
91.5	0.2836	373	0.06811	89.58
92	0.2831	373.3	0.06798	89.65
92.5	0.2826	373.6	0.06787	89.72
93	0.2821	373.9	0.06775	89.78
93.5	0.282	374.1	0.06772	89.85
94	0.2819	374.4	0.0677	89.92
94.5	0.2822	374.7	0.06777	89.99

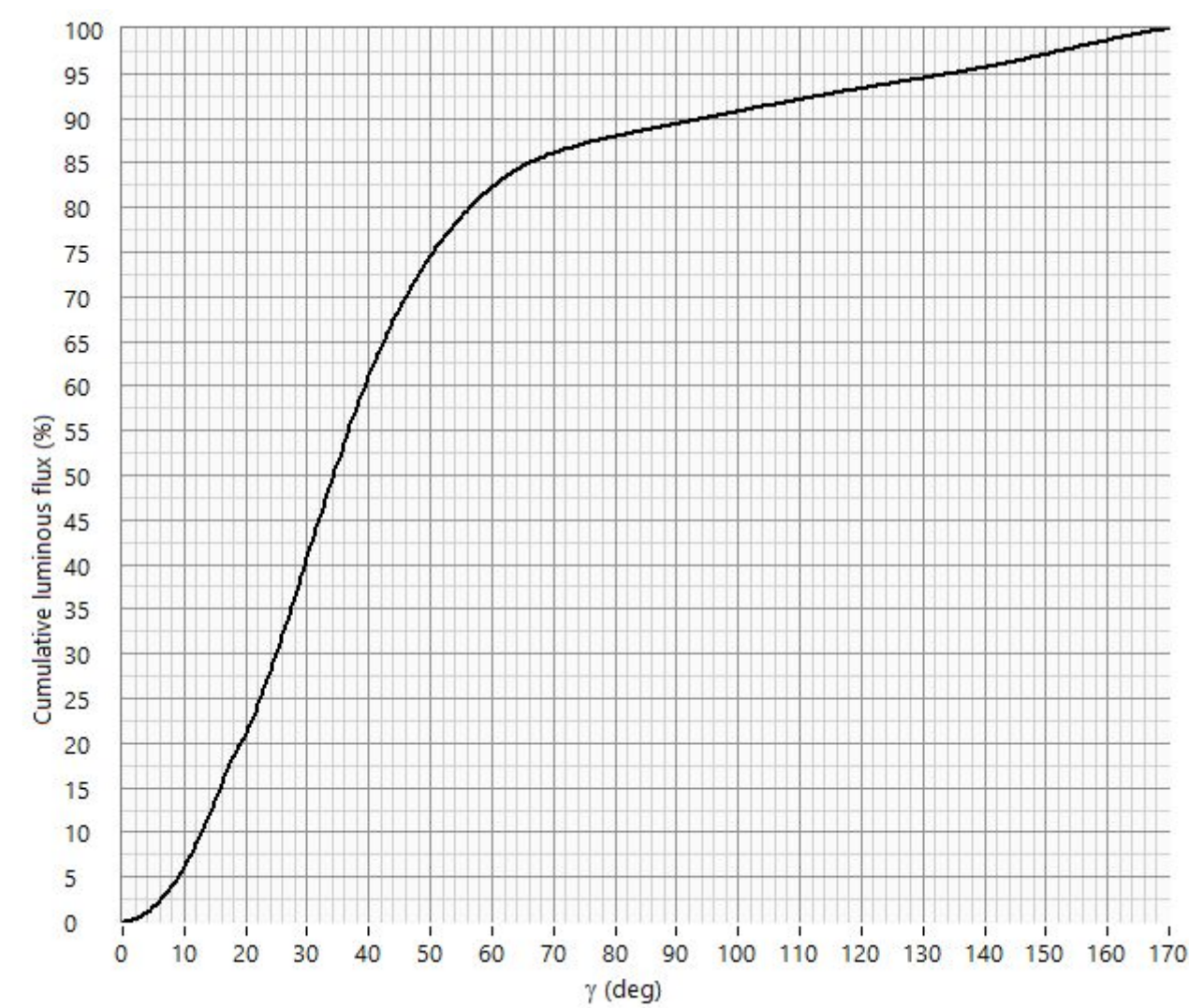
95	0.2825	375	0.06784	90.05
95.5	0.2829	375.3	0.06794	90.12
96	0.2834	375.6	0.06805	90.19
96.5	0.2839	375.8	0.06818	90.26
97	0.2843	376.1	0.06828	90.33
97.5	0.2847	376.4	0.06837	90.4
98	0.2851	376.7	0.06848	90.46
98.5	0.2854	377	0.06855	90.53
99	0.2857	377.3	0.06861	90.6
99.5	0.2859	377.6	0.06866	90.67
100	0.286	377.8	0.06868	90.74
100.5	0.286	378.1	0.06869	90.81
101	0.2861	378.4	0.06872	90.88
101.5	0.2859	378.7	0.06867	90.94
102	0.2859	379	0.06865	91.01
102.5	0.2856	379.3	0.06858	91.08
103	0.2853	379.6	0.06852	91.15
103.5	0.2848	379.8	0.06841	91.22
104	0.2843	380.1	0.06829	91.29
104.5	0.2838	380.4	0.06815	91.36
105	0.283	380.7	0.06796	91.42
105.5	0.2823	381	0.06778	91.49
106	0.2813	381.3	0.06755	91.56
106.5	0.2803	381.5	0.06732	91.63
107	0.2793	381.8	0.06708	91.69
107.5	0.2782	382.1	0.0668	91.76
108	0.2771	382.4	0.06654	91.83
108.5	0.2759	382.6	0.06625	91.89
109	0.2745	382.9	0.06592	91.96
109.5	0.273	383.2	0.06556	92.02
110	0.2714	383.5	0.06519	92.09
110.5	0.2698	383.7	0.0648	92.15
111	0.2681	384	0.06439	92.22
111.5	0.2665	384.3	0.064	92.28
112	0.2648	384.5	0.0636	92.35
112.5	0.2631	384.8	0.06319	92.41
113	0.2615	385.1	0.06281	92.47
113.5	0.26	385.3	0.06243	92.53
114	0.2586	385.6	0.0621	92.6
114.5	0.2572	385.8	0.06178	92.66
115	0.2559	386.1	0.06146	92.72
115.5	0.2546	386.3	0.06115	92.78
116	0.2534	386.6	0.06086	92.84
116.5	0.2524	386.8	0.06062	92.9
117	0.2513	387.1	0.06035	92.96
117.5	0.2502	387.3	0.0601	93.02
118	0.2491	387.6	0.05983	93.08
118.5	0.2481	387.8	0.05959	93.14
119	0.2472	388.1	0.05937	93.2

119.5	0.2462	388.3	0.05913	93.26
120	0.2454	388.6	0.05892	93.32
120.5	0.2445	388.8	0.05873	93.38
121	0.2438	389.1	0.05855	93.44
121.5	0.2432	389.3	0.0584	93.5
122	0.2424	389.6	0.05822	93.55
122.5	0.2418	389.8	0.05807	93.61
123	0.2412	390	0.05792	93.67
123.5	0.2408	390.3	0.05782	93.73
124	0.2402	390.5	0.05769	93.78
124.5	0.2398	390.8	0.05759	93.84
125	0.2393	391	0.05748	93.9
125.5	0.239	391.2	0.05741	93.96
126	0.2388	391.5	0.05735	94.01
126.5	0.2387	391.7	0.05733	94.07
127	0.2387	392	0.05733	94.13
127.5	0.2387	392.2	0.05733	94.19
128	0.2389	392.4	0.05738	94.24
128.5	0.2391	392.7	0.05742	94.3
129	0.2394	392.9	0.0575	94.36
129.5	0.2399	393.2	0.05762	94.42
130	0.2404	393.4	0.05773	94.47
130.5	0.2409	393.6	0.05785	94.53
131	0.2416	393.9	0.05802	94.59
131.5	0.2423	394.1	0.05819	94.65
132	0.2431	394.4	0.05838	94.71
132.5	0.2439	394.6	0.05858	94.77
133	0.2449	394.8	0.05881	94.82
133.5	0.246	395.1	0.05908	94.88
134	0.2471	395.3	0.05935	94.94
134.5	0.2483	395.6	0.05964	95
135	0.2499	395.8	0.06001	95.06
135.5	0.2514	396.1	0.06038	95.12
136	0.2532	396.3	0.0608	95.18
136.5	0.2549	396.6	0.06121	95.24
137	0.2568	396.9	0.06168	95.31
137.5	0.2588	397.1	0.06216	95.37
138	0.2612	397.4	0.06272	95.43
138.5	0.2636	397.6	0.06331	95.49
139	0.2662	397.9	0.06394	95.56
139.5	0.2688	398.2	0.06455	95.62
140	0.2716	398.4	0.06523	95.69
140.5	0.2744	398.7	0.06589	95.75
141	0.2774	399	0.06661	95.82
141.5	0.2802	399.3	0.06729	95.89
142	0.2832	399.6	0.06801	95.96
142.5	0.2859	399.8	0.06867	96.02
143	0.289	400.1	0.0694	96.09
143.5	0.2918	400.4	0.07007	96.16

144	0.2943	400.7	0.07068	96.23
144.5	0.2971	401	0.07135	96.31
145	0.3002	401.3	0.0721	96.38
145.5	0.3036	401.6	0.07292	96.45
146	0.3072	401.9	0.07377	96.52
146.5	0.3104	402.2	0.07455	96.6
147	0.3142	402.6	0.07546	96.67
147.5	0.3177	402.9	0.07629	96.75
148	0.321	403.2	0.07709	96.83
148.5	0.3238	403.5	0.07776	96.91
149	0.3264	403.8	0.07838	96.98
149.5	0.3285	404.2	0.07888	97.06
150	0.3302	404.5	0.0793	97.14
150.5	0.3318	404.8	0.07969	97.22
151	0.3334	405.2	0.08007	97.3
151.5	0.3345	405.5	0.08034	97.38
152	0.3352	405.8	0.08049	97.46
152.5	0.3353	406.2	0.08052	97.54
153	0.3351	406.5	0.08048	97.62
153.5	0.3345	406.8	0.08034	97.7
154	0.3334	407.2	0.08007	97.78
154.5	0.3317	407.5	0.07965	97.86
155	0.3298	407.8	0.07921	97.94
155.5	0.3279	408.2	0.07875	98.02
156	0.3259	408.5	0.07826	98.1
156.5	0.3236	408.8	0.07772	98.18
157	0.3212	409.1	0.07714	98.26
157.5	0.3192	409.5	0.07666	98.33
158	0.3171	409.8	0.07615	98.41
158.5	0.315	410.1	0.07565	98.48
159	0.3127	410.4	0.07511	98.56
159.5	0.3106	410.7	0.07458	98.63
160	0.3082	411	0.07402	98.71
160.5	0.3059	411.3	0.07346	98.78
161	0.3039	411.6	0.07298	98.85
161.5	0.3021	411.9	0.07254	98.93
162	0.3008	412.2	0.07223	99
162.5	0.2997	412.5	0.07197	99.07
163	0.2988	412.8	0.07177	99.14
163.5	0.2976	413.1	0.07148	99.21
164	0.296	413.4	0.07108	99.29
164.5	0.2939	413.7	0.07059	99.36
165	0.2914	414	0.06997	99.43
165.5	0.2876	414.3	0.06907	99.49
166	0.2824	414.6	0.06783	99.56
166.5	0.2757	414.9	0.06622	99.63
167	0.2675	415.1	0.06425	99.69
167.5	0.2583	415.4	0.06204	99.76
168	0.2481	415.6	0.05958	99.81

168.5	0.2366	415.9	0.05682	99.87
169	0.2242	416.1	0.05383	99.93
169.5	0.2112	416.3	0.05071	99.98
170	0.1	416.4	0.02402	100

Figure. Cumulative luminous flux



Söllner diagram (EN 12464) - Luminance

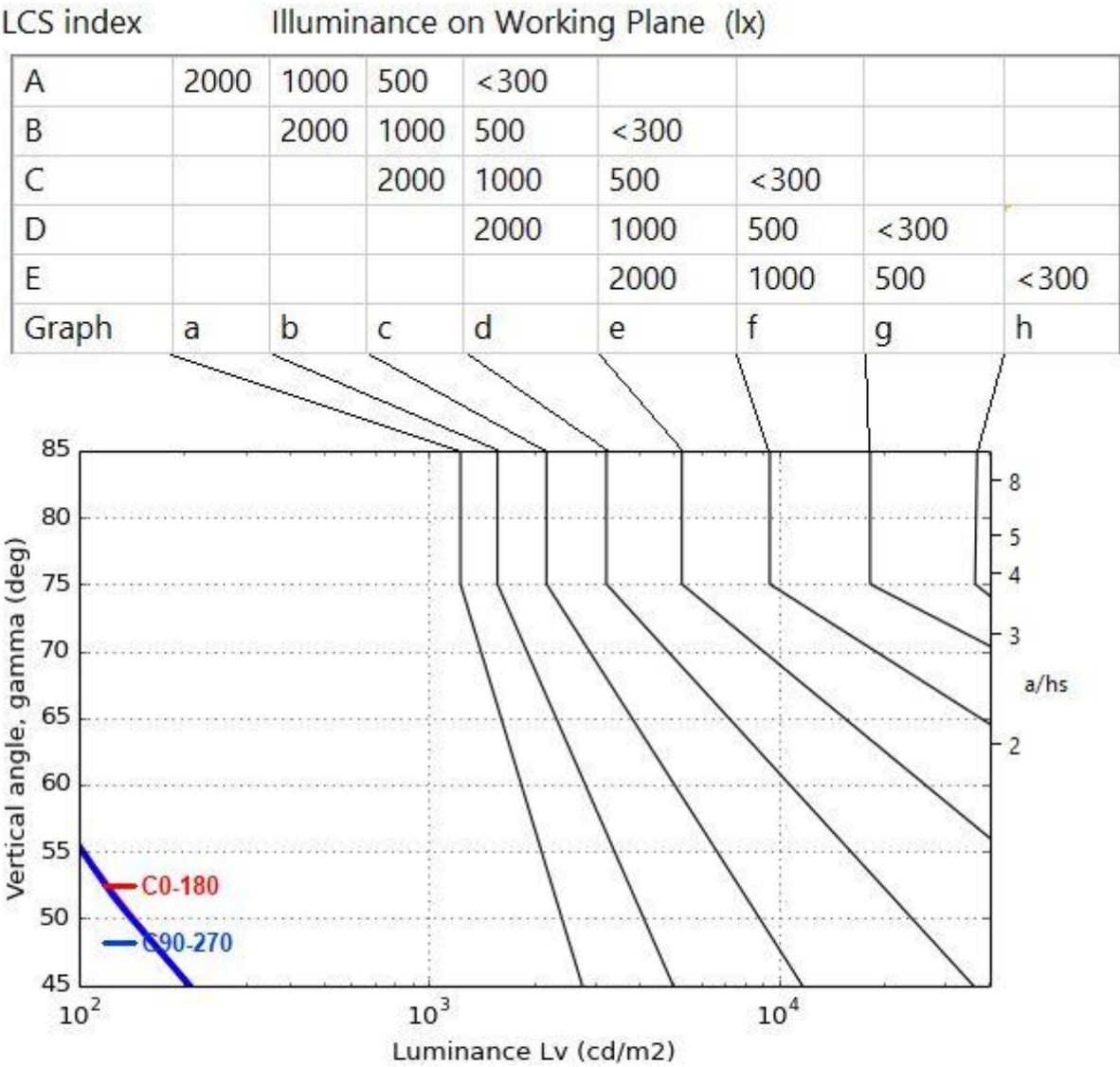


Table. Luminance [ $L_v$ ] = cd/m<sup>2</sup>

	C 0	C 45	C 90
$\gamma$ 0	1154	1154	1154
$\gamma$ 45	207	204	207
$\gamma$ 55	102	102	103
$\gamma$ 65	46	46	45
$\gamma$ 75	20	21	21
$\gamma$ 85	17	18	18



[illegible]

Figure. Number of luminaires in different sizes of rectangular spaces.

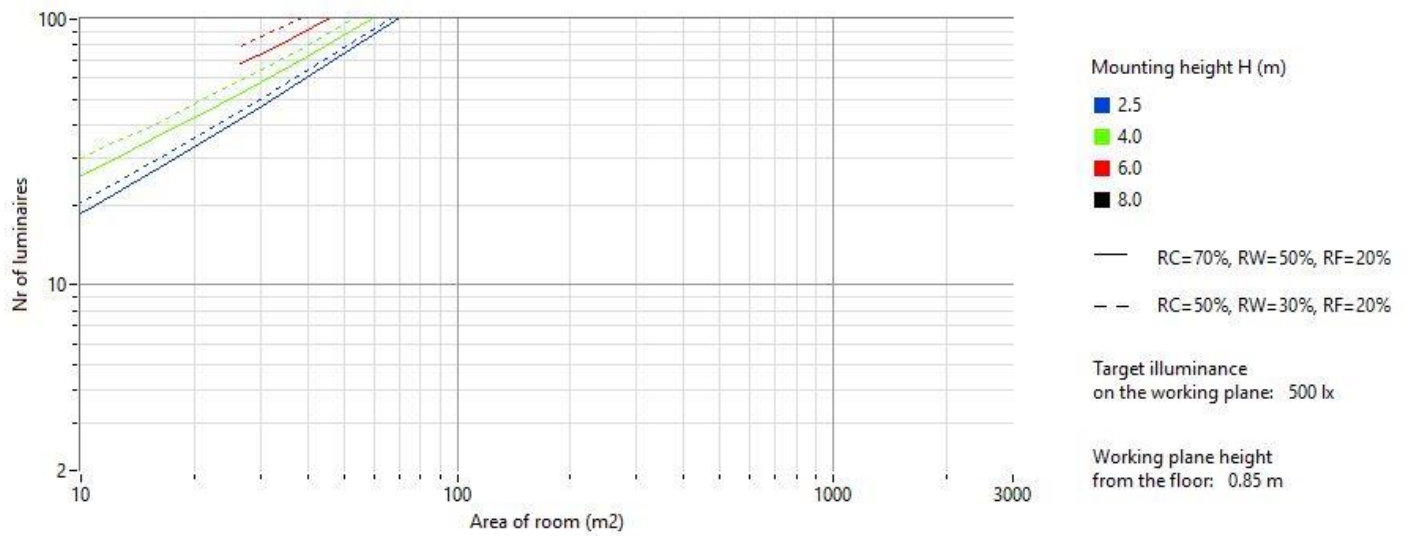


Table. Coefficient of Utilization (CU).

RC	80				70				50			30			10		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RF / RCR	20				20				20			20			20		
0	117	117	117	117	113	113	113	113	105	105	105	99	99	99	92	92	92
1	91	88	86	84	91	89	86	84	89	87	85	89	87	86	89	88	87
2	88	83	79	75	87	83	79	75	82	79	76	82	79	76	81	79	77
3	84	77	72	68	83	77	72	68	76	72	68	75	71	68	74	71	68
4	80	72	66	61	79	71	66	61	70	65	61	69	65	61	68	64	61
5	76	67	60	56	75	66	60	56	65	60	55	64	59	55	63	59	55
6	72	62	55	51	71	61	55	51	60	55	50	59	54	50	58	54	50
7	68	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46
8	64	54	47	43	63	53	47	43	52	47	42	51	46	42	50	46	42
9	61	50	44	39	60	50	44	39	49	43	39	48	43	39	47	42	39
10	58	47	41	37	57	47	41	37	46	40	36	45	40	36	44	39	36

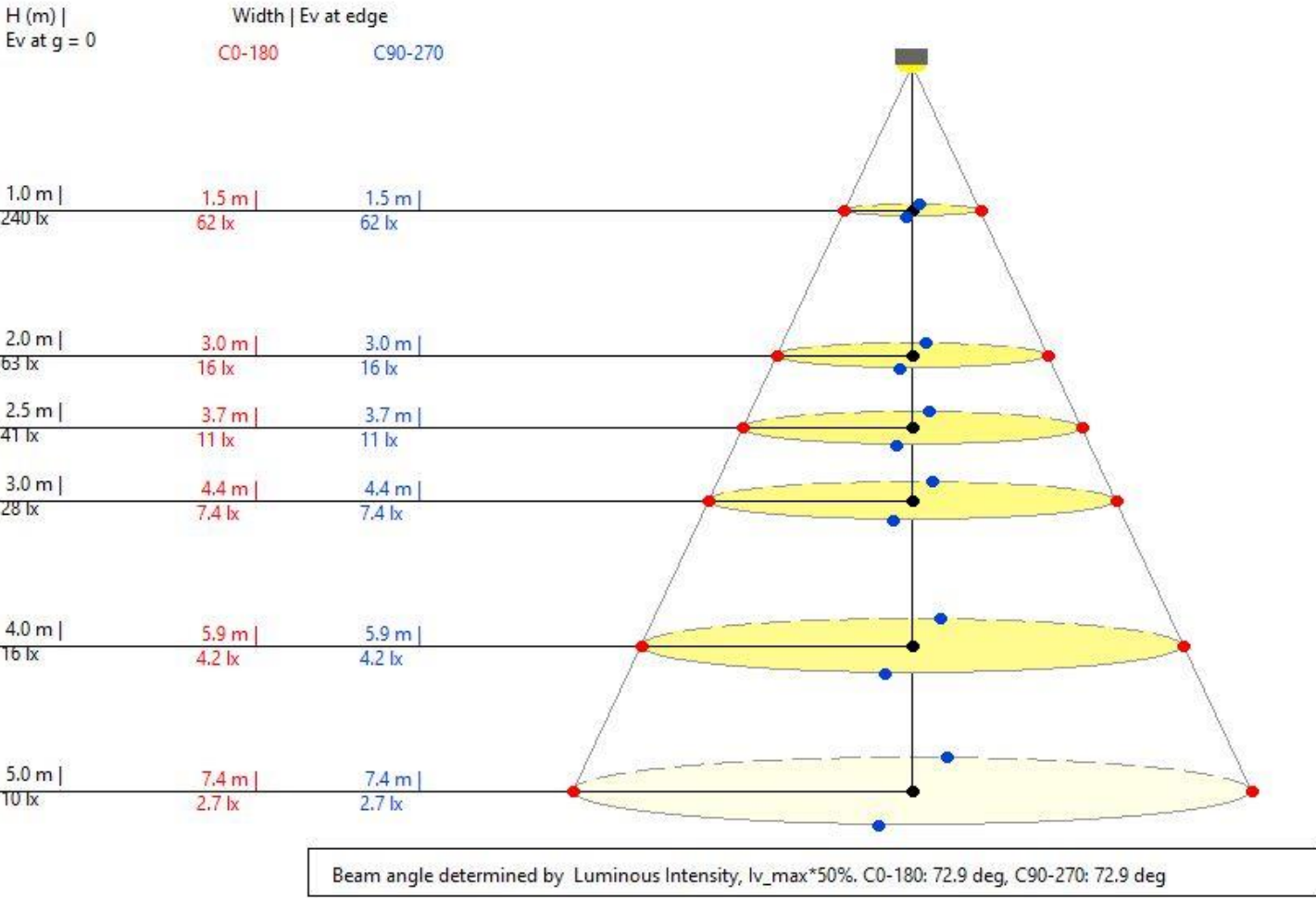
Table. Wall Exitance Coefficients (WEC).

RC	80				70				50			30			10		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RF / RCR	20				20				20			20			20		
1	38.1	25.9	14.9	4.7	36.6	24.9	14.3	4.6	23.0	13.2	4.2	20.8	12.1	3.9	18.5	10.7	3.5
2	37.5	24.6	13.7	4.3	36.0	23.7	13.2	4.1	21.9	12.3	3.9	19.9	11.2	3.5	17.7	10.0	3.2
3	36.7	23.4	12.7	3.9	35.2	22.5	12.3	3.8	20.8	11.4	3.5	18.9	10.5	3.2	16.9	9.4	2.9
4	35.7	22.2	11.9	3.6	34.2	21.4	11.5	3.5	19.8	10.7	3.3	18.0	9.8	3.0	16.1	8.8	2.7
5	34.8	21.2	11.2	3.4	33.3	20.4	10.8	3.3	18.8	10.0	3.0	17.1	9.2	2.8	15.3	8.2	2.5
6	33.8	20.3	10.6	3.2	32.3	19.5	10.2	3.1	17.9	9.5	2.8	16.3	8.6	2.6	14.5	7.7	2.3
7	32.8	19.4	10.1	3.0	31.4	18.7	9.7	2.9	17.2	9.0	2.7	15.6	8.2	2.4	13.8	7.3	2.1
8	31.9	18.7	9.7	2.9	30.5	17.9	9.3	2.8	16.4	8.6	2.5	14.9	7.7	2.3	13.2	6.8	2.0
9	31.0	18.0	9.3	2.8	29.6	17.3	8.9	2.7	15.8	8.2	2.4	14.3	7.4	2.2	12.6	6.5	1.9
10	30.1	17.4	9.0	2.7	28.8	16.7	8.6	2.6	15.2	7.9	2.3	13.7	7.0	2.1	12.1	6.2	1.8

Table. Ceiling Cavity Exitance Coefficients (CCEC).

RC	80				70				50			30			10		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RF / RCR	20				20				20			20			20		
1	116.8	108.7	101.4	94.8	46.4	42.7	39.3	36.2	14.5	13.2	11.9	6.7	6.1	5.6	2.0	1.9	1.7
2	113.4	98.8	86.7	76.5	45.6	38.8	33.1	28.3	13.4	11.1	9.1	6.3	5.3	4.4	1.9	1.6	1.4
3	109.2	89.4	74.1	62.0	44.4	35.2	28.0	22.2	12.3	9.4	7.0	5.9	4.6	3.4	1.8	1.4	1.1
4	104.4	80.7	63.3	50.1	42.9	31.8	23.5	17.2	11.3	8.0	5.3	5.5	4.0	2.7	1.7	1.3	0.9
5	99.2	72.5	53.9	40.1	41.1	28.6	19.7	13.0	10.4	6.8	4.0	5.2	3.5	2.2	1.6	1.2	0.8
6	93.8	65.0	45.6	31.7	39.2	25.6	16.3	9.6	9.6	5.7	2.9	4.9	3.1	1.7	1.6	1.1	0.7
7	88.3	58.0	38.3	24.5	37.2	22.9	13.4	6.6	8.8	4.8	1.9	4.6	2.7	1.4	1.5	1.0	0.6
8	82.9	51.6	31.9	18.3	35.2	20.3	10.7	4.1	8.0	4.0	1.2	4.3	2.4	1.1	1.4	0.9	0.5
9	77.7	45.7	26.2	13.0	33.2	17.9	8.4	1.9	7.3	3.3	0.5	4.0	2.2	0.8	1.4	0.8	0.4
10	72.6	40.4	21.1	8.3	31.2	15.8	6.4	0.0	6.6	2.7	-0.1	3.8	1.9	0.6	1.3	0.8	0.4

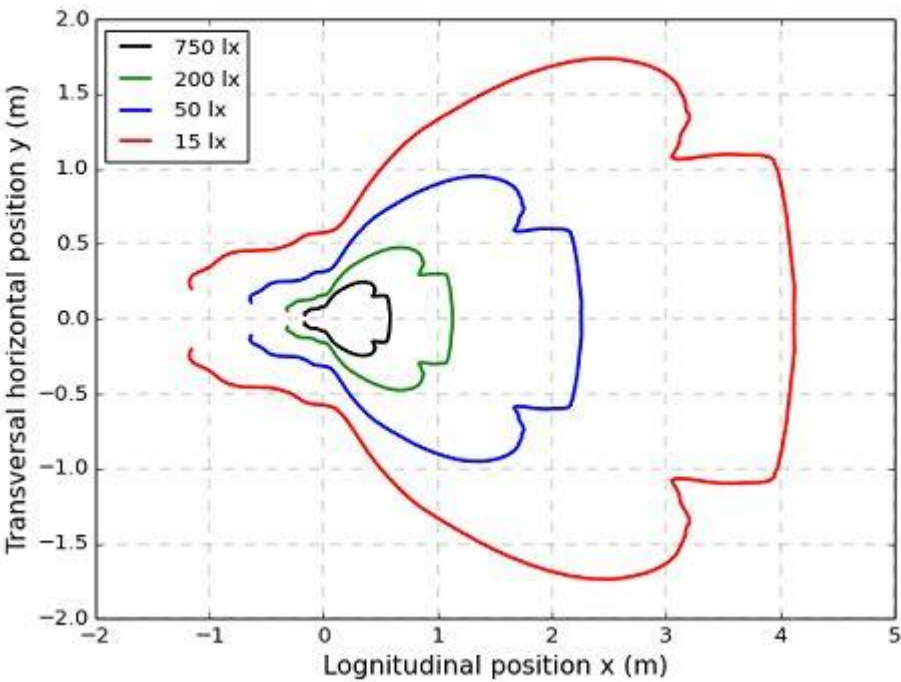
- CONE DIAGRAM
- Cone is limited by the beam angle at the planes of C0 and C90
  - H = Mounting Height
  - D = Cone diameter
  - Ev Edge = Illuminance at the edge of the cone of the C0/90 plane
  - Ev Center = Illuminance at the center of the cone



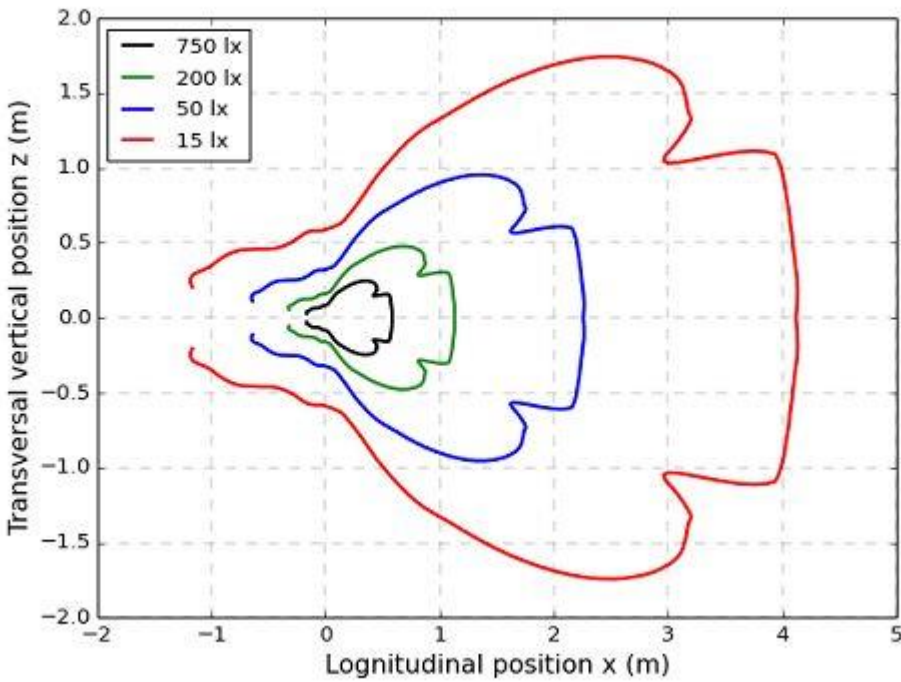


LOGNITUDINAL ISOLUX CURVES

Horizontal



Vertical



Illumination uniformity figures at the perpendicular plane to the lamp axis.

Mounting height of 2.50 m.

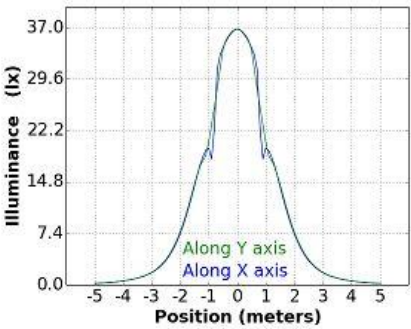
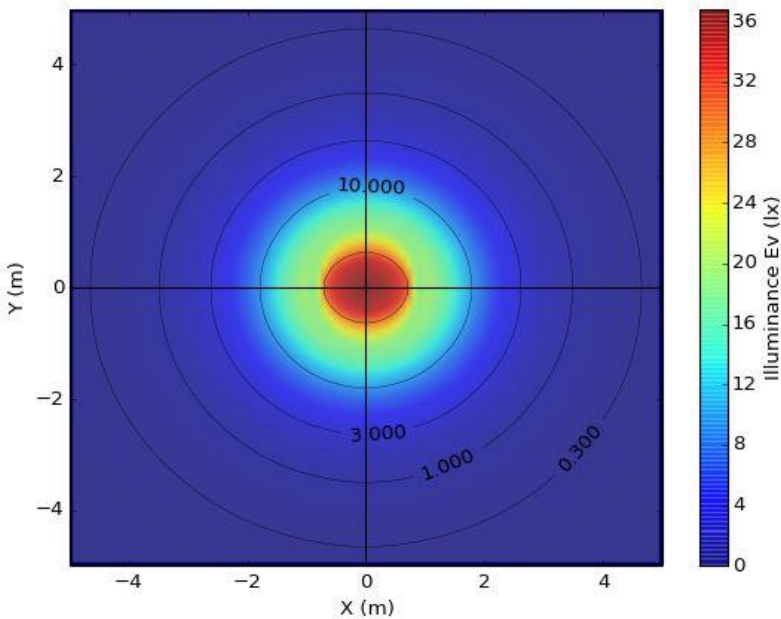
Lamp center position  $x = 0.0$  m,  $y = 0.0$  m.

C rotation of 0.0 deg. Gamma rotation of 0.0 deg.

Maintenance factor = 0.80.

Nr of lamps: X = 1 pcs, Y = 1 pcs.

Distance between lamps: X = 0.00 meters, Y = 0.00 meters.



Average Ev:	3.08 lx
Uniformity:	1.42 %
Max Ev:	36.8 lx
Min Ev:	0.0436 lx

Power Consumption: 8 W

# GonioSpectroRadiometric Test Report

