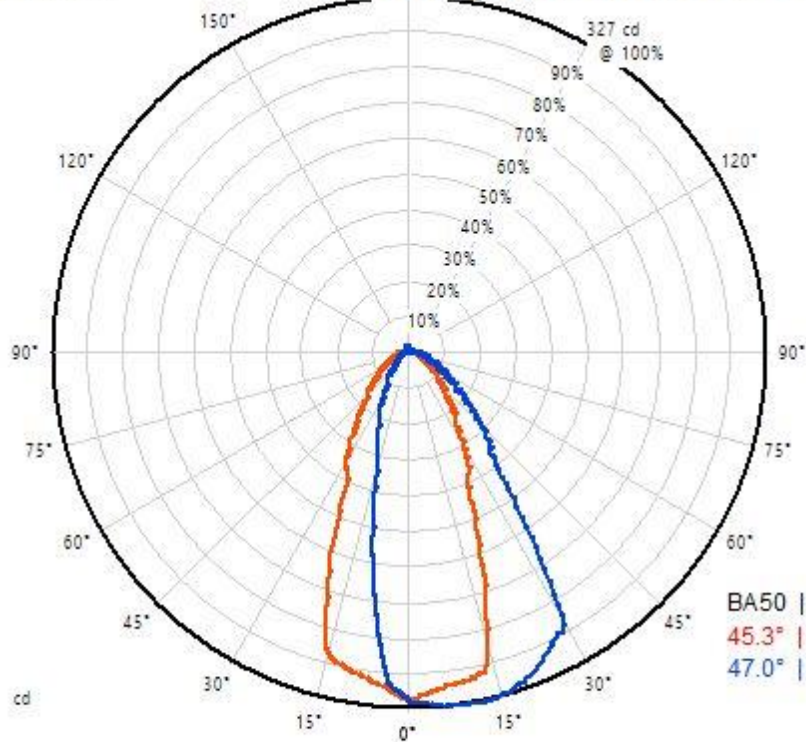


C0-180
C90-270

Goniophotometric Test Report



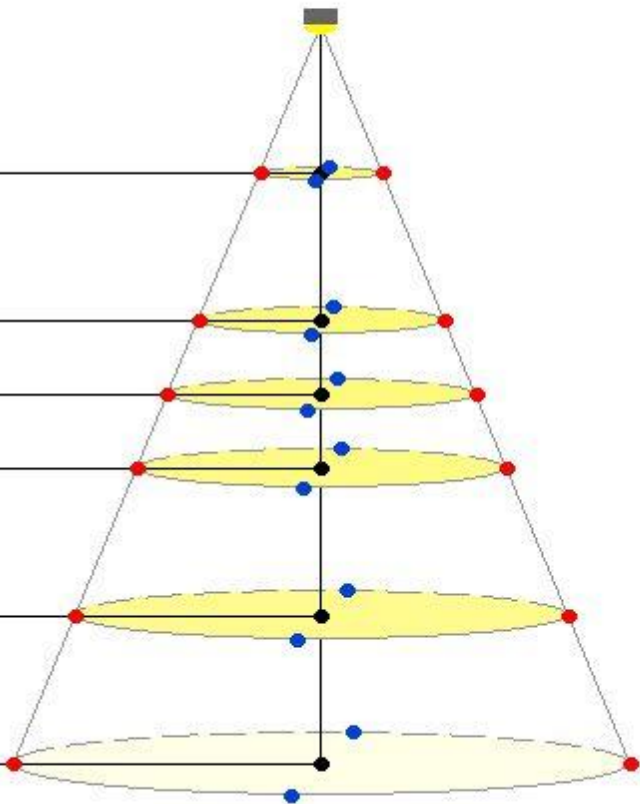
Phi = 371.5 lm
LPW = 45.9 lm/W
DWFF = 93.4 %
lv(g=0) = 317.4 cd

BA50 | BA10
45.3° | 107.7°
47.0° | 99.1°

Pin = 8.119 W
PF = 0.9321
Vin = 230.4 V
If = 0.0380 A

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

1.0 m	0.83 m	0.87 m
218 lv	125 lv	122 lv
2.0 m	1.7 m	1.7 m
81 lv	32 lv	31 lv
2.5 m	2.1 m	2.2 m
52 lv	20 lv	20 lv
3.0 m	2.5 m	2.6 m
36 lv	14 lv	14 lv
4.0 m	3.3 m	3.5 m
20 lv	8 lv	7 lv
5.0 m	4.2 m	4.3 m
12 lv	5 lv	5 lv



Beam angle determined by Luminous Intensity, lv max*50%. C0-180: 45.3 de

Table. Measurement results of the main luminous parameters

Luminous flux	Input power	Luminous efficacy	LOR	DWFF	Luminous intensity (g=0)
371.5 lm	8.1 W	45.9 lm/W	100.0 %	93.4 %	317.4 cd

Table. Electrical parameters during the light measurements.

	Pin	PF	Vin	If
Value	8.119 W	0.9321	230.4 V	0.0380 A
St.dev.	0.02 %	0.03 %	0.02 %	0.00 %

Table. Maximum Luminous Intensity and its direction

Iv	g	C plane
327 cd	9.5°	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	45.3°	107.7°	-1.3°
C90-270	47.0°	99.1°	12.2°

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

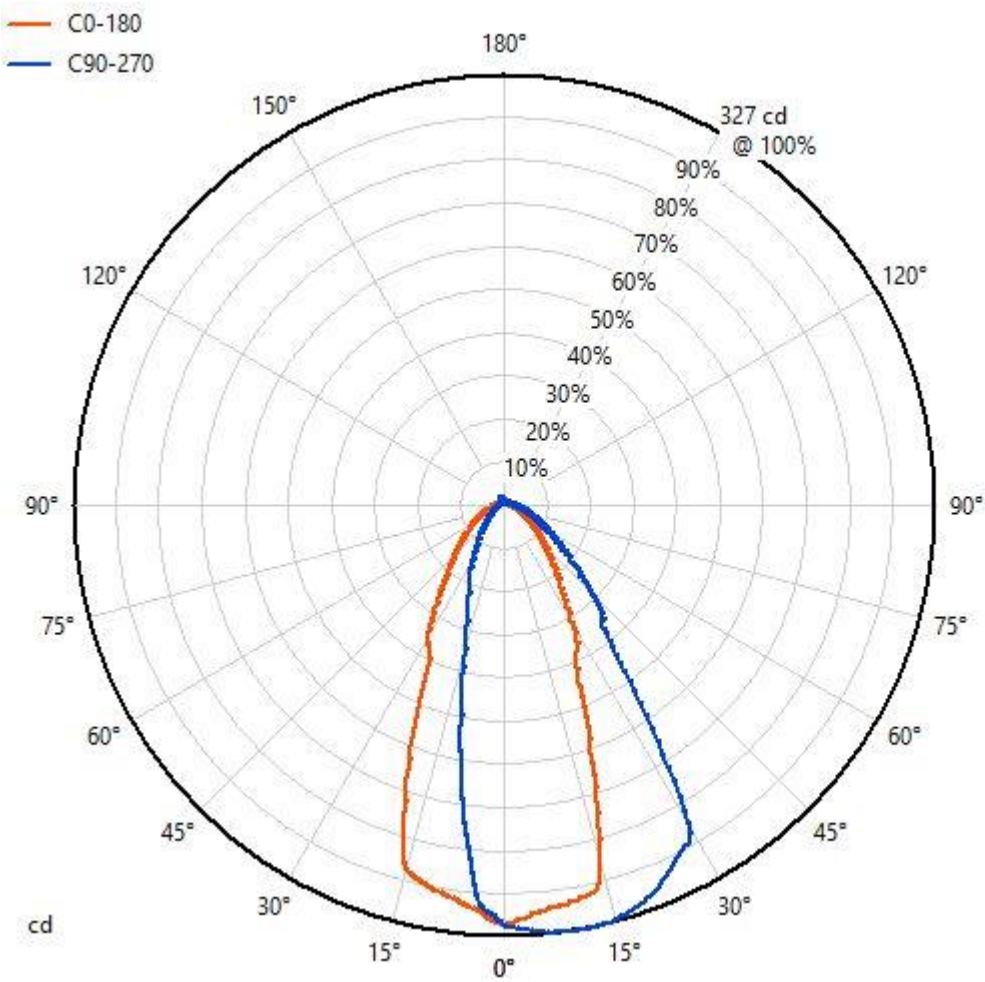
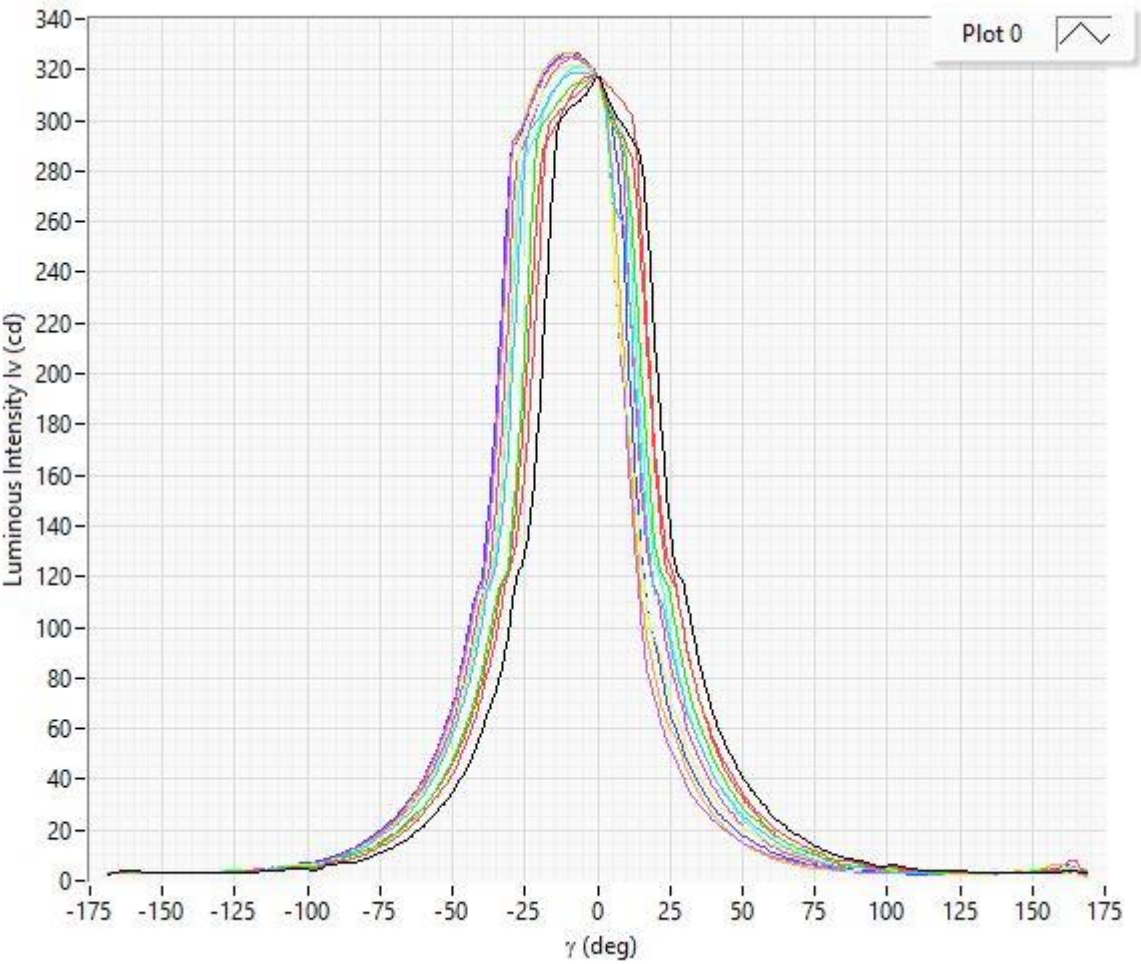


Figure. Luminous Intensity distribution in cartesian diagram at all measured C planes.



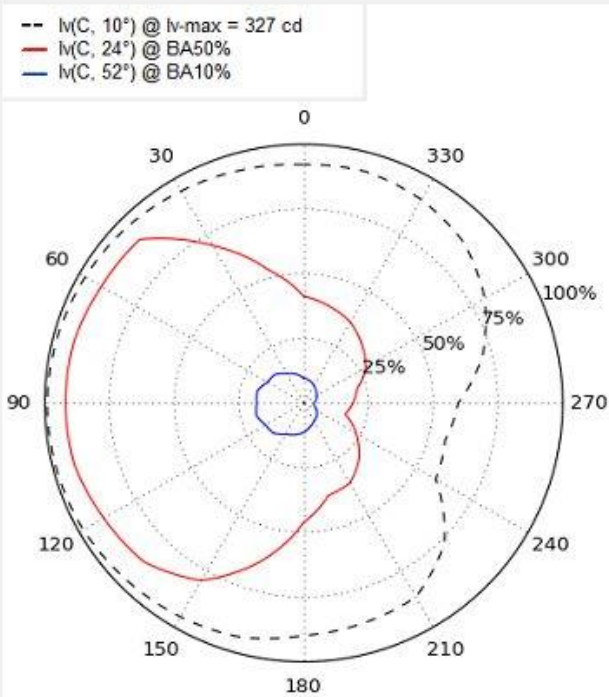


Table. Zonal lumen summary

	Lumens	Relative lumens (%)
0-20	99.07	26.67
0-30	177.40	47.75
0-40	236.20	63.58
0-60	305.50	82.23
0-80	338.00	90.98
0-90	346.80	93.35
10-90	316.87	85.29
20-40	137.13	36.91
20-50	178.23	47.98
40-70	88.60	23.85
40-90	110.60	29.77
60-80	32.50	8.75
60-90	41.30	11.12
70-80	13.20	3.55
80-90	8.80	2.37
90-110	11.20	3.01
90-120	14.90	4.01
90-130	17.80	4.79
90-150	22.20	5.98
90-180	24.70	6.65
110-180	13.50	3.63
0-180	371.50	100.00
	191.60	51.57

Table. Cumulative and Zonal luminous flux

gamma (deg)	Zone Flux (lm)	Sum Flux (lm)	Zone Flux (%)	Sum Flux (%)
0	0.01898	0.01898	0.005109	0.005109
0.5	0.1518	0.1708	0.04086	0.04596
1	0.3031	0.4739	0.08159	0.1276
1.5	0.4536	0.9275	0.1221	0.2496
2	0.6028	1.53	0.1622	0.4119
2.5	0.751	2.281	0.2021	0.614
3	0.898	3.179	0.2417	0.8557
3.5	1.042	4.222	0.2806	1.136
4	1.184	5.406	0.3187	1.455
4.5	1.323	6.729	0.3562	1.811
5	1.46	8.189	0.393	2.204
5.5	1.596	9.785	0.4295	2.634
6	1.729	11.51	0.4654	3.099
6.5	1.861	13.37	0.5009	3.6
7	1.993	15.37	0.5364	4.136
7.5	2.123	17.49	0.5714	4.708
8	2.25	19.74	0.6056	5.313
8.5	2.374	22.11	0.6389	5.952
9	2.495	24.61	0.6714	6.624
9.5	2.608	27.22	0.702	7.326
10	2.717	29.93	0.7312	8.057
10.5	2.82	32.75	0.759	8.816
11	2.916	35.67	0.7849	9.601
11.5	3.007	38.68	0.8093	10.41
12	3.095	41.77	0.833	11.24
12.5	3.178	44.95	0.8553	12.1
13	3.252	48.2	0.8754	12.97
13.5	3.32	51.52	0.8937	13.87
14	3.383	54.91	0.9106	14.78
14.5	3.438	58.34	0.9254	15.7
15	3.489	61.83	0.9391	16.64
15.5	3.538	65.37	0.9524	17.6
16	3.583	68.95	0.9643	18.56
16.5	3.628	72.58	0.9766	19.54
17	3.672	76.25	0.9882	20.52
17.5	3.711	79.96	0.9989	21.52
18	3.747	83.71	1.009	22.53
18.5	3.786	87.5	1.019	23.55
19	3.822	91.32	1.029	24.58
19.5	3.857	95.18	1.038	25.62
20	3.889	99.07	1.047	26.66
20.5	3.922	103	1.056	27.72
21	3.948	106.9	1.063	28.78

21.5	3.966	110.9	1.067	29.85
22	3.979	114.9	1.071	30.92
22.5	3.989	118.9	1.074	31.99
23	3.994	122.9	1.075	33.07
23.5	3.998	126.9	1.076	34.15
24	3.998	130.9	1.076	35.22
24.5	3.993	134.9	1.075	36.3
25	3.984	138.8	1.072	37.37
25.5	3.977	142.8	1.07	38.44
26	3.969	146.8	1.068	39.51
26.5	3.955	150.7	1.065	40.57
27	3.935	154.7	1.059	41.63
27.5	3.905	158.6	1.051	42.68
28	3.869	162.4	1.041	43.72
28.5	3.824	166.3	1.029	44.75
29	3.778	170	1.017	45.77
29.5	3.722	173.8	1.002	46.77
30	3.66	177.4	0.985	47.76
30.5	3.587	181	0.9655	48.72
31	3.511	184.5	0.9451	49.67
31.5	3.436	188	0.9248	50.59
32	3.36	191.3	0.9043	51.5
32.5	3.284	194.6	0.8838	52.38
33	3.208	197.8	0.8634	53.24
33.5	3.135	201	0.8438	54.09
34	3.063	204	0.8244	54.91
34.5	2.99	207	0.8049	55.72
35	2.919	209.9	0.7856	56.5
35.5	2.852	212.8	0.7677	57.27
36	2.789	215.6	0.7507	58.02
36.5	2.736	218.3	0.7363	58.76
37	2.684	221	0.7224	59.48
37.5	2.639	223.6	0.7103	60.19
38	2.597	226.2	0.699	60.89
38.5	2.556	228.8	0.688	61.58
39	2.518	231.3	0.6778	62.25
39.5	2.482	233.8	0.668	62.92
40	2.448	236.2	0.6588	63.58
40.5	2.415	238.6	0.65	64.23
41	2.382	241	0.6411	64.87
41.5	2.349	243.4	0.6322	65.5
42	2.312	245.7	0.6222	66.13
42.5	2.271	248	0.6114	66.74
43	2.228	250.2	0.5996	67.34
43.5	2.186	252.4	0.5883	67.93
44	2.144	254.5	0.5772	68.5
44.5	2.103	256.6	0.566	69.07
45	2.063	258.7	0.5553	69.62
45.5	2.024	260.7	0.5447	70.17

46	1.985	262.7	0.5343	70.7
46.5	1.946	264.6	0.5238	71.23
47	1.909	266.5	0.5139	71.74
47.5	1.874	268.4	0.5044	72.25
48	1.841	270.3	0.4956	72.74
48.5	1.808	272.1	0.4866	73.23
49	1.774	273.8	0.4776	73.71
49.5	1.739	275.6	0.4681	74.17
50	1.705	277.3	0.459	74.63
50.5	1.673	279	0.4502	75.08
51	1.641	280.6	0.4418	75.52
51.5	1.612	282.2	0.4339	75.96
52	1.584	283.8	0.4264	76.38
52.5	1.556	285.3	0.4188	76.8
53	1.528	286.9	0.4112	77.21
53.5	1.5	288.4	0.4037	77.62
54	1.472	289.8	0.3962	78.01
54.5	1.446	291.3	0.3892	78.4
55	1.418	292.7	0.3817	78.79
55.5	1.391	294.1	0.3743	79.16
56	1.364	295.5	0.3671	79.53
56.5	1.338	296.8	0.3602	79.89
57	1.314	298.1	0.3535	80.24
57.5	1.29	299.4	0.3473	80.59
58	1.266	300.7	0.3408	80.93
58.5	1.243	301.9	0.3345	81.26
59	1.219	303.1	0.3281	81.59
59.5	1.195	304.3	0.3217	81.91
60	1.172	305.5	0.3155	82.23
60.5	1.149	306.7	0.3093	82.54
61	1.127	307.8	0.3032	82.84
61.5	1.106	308.9	0.2977	83.14
62	1.086	310	0.2922	83.43
62.5	1.066	311	0.2869	83.72
63	1.046	312.1	0.2814	84
63.5	1.026	313.1	0.2762	84.28
64	1.006	314.1	0.2708	84.55
64.5	0.9871	315.1	0.2657	84.81
65	0.9684	316.1	0.2607	85.07
65.5	0.9498	317	0.2557	85.33
66	0.9314	318	0.2507	85.58
66.5	0.9131	318.9	0.2458	85.82
67	0.8957	319.8	0.2411	86.07
67.5	0.879	320.6	0.2366	86.3
68	0.8624	321.5	0.2321	86.53
68.5	0.8466	322.3	0.2279	86.76
69	0.8304	323.2	0.2235	86.99
69.5	0.8147	324	0.2193	87.21
70	0.7999	324.8	0.2153	87.42

70.5	0.7853	325.6	0.2114	87.63
71	0.7706	326.3	0.2074	87.84
71.5	0.7565	327.1	0.2036	88.04
72	0.7424	327.8	0.1998	88.24
72.5	0.7283	328.6	0.196	88.44
73	0.715	329.3	0.1924	88.63
73.5	0.7015	330	0.1888	88.82
74	0.6876	330.7	0.1851	89.01
74.5	0.674	331.4	0.1814	89.19
75	0.661	332	0.1779	89.36
75.5	0.6478	332.7	0.1744	89.54
76	0.6356	333.3	0.1711	89.71
76.5	0.6233	333.9	0.1678	89.88
77	0.6113	334.5	0.1645	90.04
77.5	0.5993	335.1	0.1613	90.2
78	0.5876	335.7	0.1581	90.36
78.5	0.5756	336.3	0.1549	90.52
79	0.5636	336.9	0.1517	90.67
79.5	0.5517	337.4	0.1485	90.82
80	0.5397	338	0.1453	90.96
80.5	0.5279	338.5	0.1421	91.1
81	0.5164	339	0.139	91.24
81.5	0.5055	339.5	0.1361	91.38
82	0.4951	340	0.1333	91.51
82.5	0.4853	340.5	0.1306	91.64
83	0.476	341	0.1281	91.77
83.5	0.4668	341.4	0.1256	91.9
84	0.4577	341.9	0.1232	92.02
84.5	0.4497	342.3	0.121	92.14
85	0.4415	342.8	0.1188	92.26
85.5	0.434	343.2	0.1168	92.38
86	0.427	343.6	0.1149	92.49
86.5	0.4203	344.1	0.1131	92.6
87	0.414	344.5	0.1114	92.72
87.5	0.4082	344.9	0.1099	92.83
88	0.4022	345.3	0.1083	92.93
88.5	0.3959	345.7	0.1066	93.04
89	0.3896	346.1	0.1049	93.15
89.5	0.3833	346.4	0.1032	93.25
90	0.3773	346.8	0.1015	93.35
90.5	0.371	347.2	0.09986	93.45
91	0.3642	347.6	0.09804	93.55
91.5	0.3576	347.9	0.09624	93.64
92	0.3506	348.3	0.09436	93.74
92.5	0.3436	348.6	0.09247	93.83
93	0.3363	348.9	0.09051	93.92
93.5	0.3293	349.3	0.08862	94.01
94	0.3224	349.6	0.08678	94.1
94.5	0.3156	349.9	0.08496	94.18

95	0.3086	350.2	0.08307	94.27
95.5	0.3018	350.5	0.08124	94.35
96	0.2958	350.8	0.07961	94.43
96.5	0.2912	351.1	0.07837	94.5
97	0.2869	351.4	0.07723	94.58
97.5	0.2838	351.7	0.07639	94.66
98	0.2812	352	0.07569	94.73
98.5	0.2794	352.2	0.0752	94.81
99	0.2781	352.5	0.07484	94.88
99.5	0.277	352.8	0.07455	94.96
100	0.276	353.1	0.0743	95.03
100.5	0.275	353.3	0.07402	95.11
101	0.2735	353.6	0.07363	95.18
101.5	0.2718	353.9	0.07315	95.25
102	0.2694	354.2	0.07252	95.33
102.5	0.267	354.4	0.07187	95.4
103	0.2642	354.7	0.07112	95.47
103.5	0.2615	355	0.07039	95.54
104	0.2586	355.2	0.0696	95.61
104.5	0.2555	355.5	0.06878	95.68
105	0.2524	355.7	0.06793	95.75
105.5	0.249	356	0.06701	95.81
106	0.2455	356.2	0.06608	95.88
106.5	0.2419	356.5	0.06512	95.94
107	0.238	356.7	0.06407	96.01
107.5	0.2342	356.9	0.06304	96.07
108	0.2302	357.2	0.06196	96.13
108.5	0.2261	357.4	0.06086	96.19
109	0.2218	357.6	0.05969	96.25
109.5	0.2176	357.8	0.05856	96.31
110	0.2136	358	0.05748	96.37
110.5	0.2096	358.3	0.05642	96.43
111	0.2057	358.5	0.05536	96.48
111.5	0.202	358.7	0.05436	96.54
112	0.1984	358.9	0.0534	96.59
112.5	0.1952	359.1	0.05253	96.64
113	0.1921	359.2	0.0517	96.69
113.5	0.1893	359.4	0.05095	96.74
114	0.1868	359.6	0.05027	96.79
114.5	0.1845	359.8	0.04966	96.84
115	0.1823	360	0.04906	96.89
115.5	0.1802	360.2	0.04851	96.94
116	0.1781	360.3	0.04794	96.99
116.5	0.1761	360.5	0.0474	97.04
117	0.1742	360.7	0.04688	97.08
117.5	0.1724	360.9	0.04639	97.13
118	0.1706	361	0.04591	97.18
118.5	0.1688	361.2	0.04545	97.22
119	0.1671	361.4	0.04497	97.27

119.5	0.1653	361.5	0.0445	97.31
120	0.1636	361.7	0.04403	97.36
120.5	0.1618	361.9	0.04356	97.4
121	0.16	362	0.04307	97.44
121.5	0.1582	362.2	0.04259	97.48
122	0.1565	362.3	0.04212	97.53
122.5	0.1548	362.5	0.04167	97.57
123	0.1531	362.6	0.04121	97.61
123.5	0.1514	362.8	0.04074	97.65
124	0.1498	362.9	0.04031	97.69
124.5	0.1483	363.1	0.03992	97.73
125	0.1466	363.2	0.03945	97.77
125.5	0.1451	363.4	0.03905	97.81
126	0.1436	363.5	0.03864	97.85
126.5	0.142	363.7	0.03821	97.89
127	0.1405	363.8	0.03781	97.92
127.5	0.1389	364	0.03738	97.96
128	0.1373	364.1	0.03696	98
128.5	0.136	364.2	0.03659	98.03
129	0.1343	364.4	0.03615	98.07
129.5	0.1327	364.5	0.03573	98.11
130	0.1312	364.6	0.03532	98.14
130.5	0.1298	364.8	0.03494	98.18
131	0.1285	364.9	0.03459	98.21
131.5	0.1272	365	0.03424	98.25
132	0.1259	365.1	0.03388	98.28
132.5	0.1245	365.3	0.03351	98.31
133	0.1232	365.4	0.03317	98.35
133.5	0.122	365.5	0.03284	98.38
134	0.1208	365.6	0.03251	98.41
134.5	0.1195	365.7	0.03217	98.44
135	0.1183	365.9	0.03184	98.48
135.5	0.1171	366	0.03153	98.51
136	0.1161	366.1	0.03125	98.54
136.5	0.115	366.2	0.03096	98.57
137	0.114	366.3	0.03067	98.6
137.5	0.1127	366.4	0.03035	98.63
138	0.1115	366.6	0.03002	98.66
138.5	0.1104	366.7	0.02972	98.69
139	0.1093	366.8	0.02942	98.72
139.5	0.1082	366.9	0.02912	98.75
140	0.1071	367	0.02884	98.78
140.5	0.1061	367.1	0.02855	98.81
141	0.1051	367.2	0.0283	98.83
141.5	0.1041	367.3	0.02802	98.86
142	0.1032	367.4	0.02777	98.89
142.5	0.1024	367.5	0.02755	98.92
143	0.1015	367.6	0.02733	98.95
143.5	0.1007	367.7	0.02711	98.97

144	0.09993	367.8	0.0269	99
144.5	0.09924	367.9	0.02671	99.03
145	0.0987	368	0.02657	99.05
145.5	0.09807	368.1	0.0264	99.08
146	0.09741	368.2	0.02622	99.1
146.5	0.09672	368.3	0.02603	99.13
147	0.09596	368.4	0.02583	99.16
147.5	0.09503	368.5	0.02558	99.18
148	0.09412	368.6	0.02533	99.21
148.5	0.09316	368.7	0.02508	99.23
149	0.09213	368.8	0.0248	99.26
149.5	0.09093	368.9	0.02448	99.28
150	0.08977	369	0.02416	99.31
150.5	0.08861	369	0.02385	99.33
151	0.08767	369.1	0.0236	99.35
151.5	0.08685	369.2	0.02338	99.38
152	0.08601	369.3	0.02315	99.4
152.5	0.08527	369.4	0.02295	99.42
153	0.08468	369.5	0.02279	99.45
153.5	0.084	369.6	0.02261	99.47
154	0.08324	369.6	0.02241	99.49
154.5	0.08227	369.7	0.02214	99.51
155	0.08111	369.8	0.02183	99.53
155.5	0.07987	369.9	0.0215	99.56
156	0.07854	370	0.02114	99.58
156.5	0.07717	370	0.02077	99.6
157	0.07565	370.1	0.02036	99.62
157.5	0.07423	370.2	0.01998	99.64
158	0.07288	370.3	0.01962	99.66
158.5	0.07174	370.3	0.01931	99.68
159	0.07061	370.4	0.01901	99.7
159.5	0.07001	370.5	0.01884	99.72
160	0.06984	370.5	0.0188	99.73
160.5	0.06972	370.6	0.01876	99.75
161	0.06938	370.7	0.01867	99.77
161.5	0.06846	370.7	0.01843	99.79
162	0.06668	370.8	0.01795	99.81
162.5	0.06444	370.9	0.01735	99.83
163	0.06242	370.9	0.0168	99.84
163.5	0.06016	371	0.01619	99.86
164	0.05752	371.1	0.01548	99.87
164.5	0.055	371.1	0.0148	99.89
165	0.05239	371.2	0.0141	99.9
165.5	0.04947	371.2	0.01332	99.92
166	0.04658	371.3	0.01254	99.93
166.5	0.04375	371.3	0.01177	99.94
167	0.04093	371.3	0.01102	99.95
167.5	0.03832	371.4	0.01031	99.96
168	0.03584	371.4	0.009648	99.97

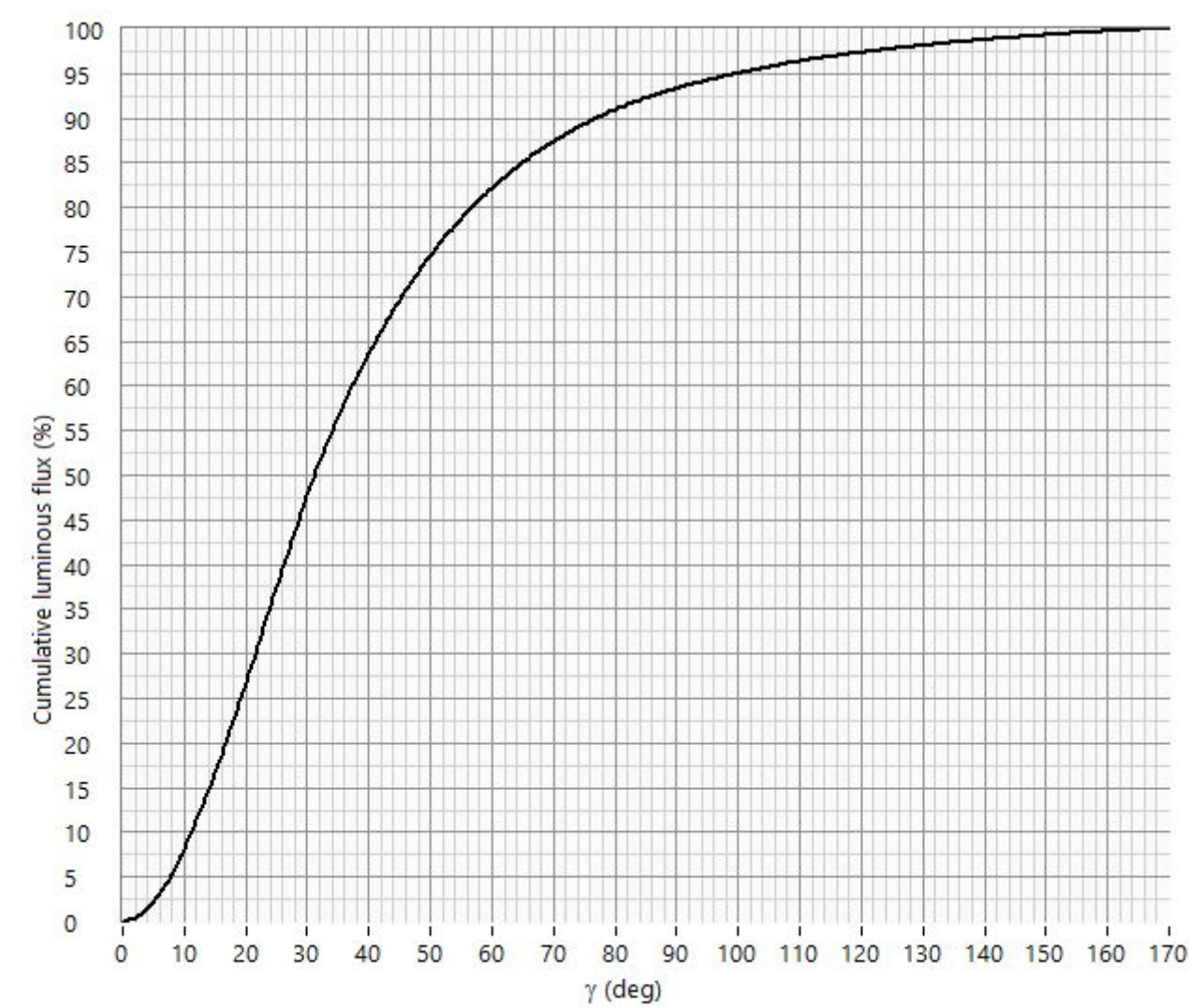
Report time: 2.5.2025 13.32
Report No.: DECO50-250028

Manufacturer: Secto Design

Item No.: Secto 4220

168.5	0.03357	371.5	0.009037	99.98
169	0.031	371.5	0.008344	99.99
169.5	0.02854	371.5	0.007682	100
170	0.01326	371.5	0.003568	100

Figure. Cumulative luminous flux



Söllner diagram (EN 12464) - Luminance

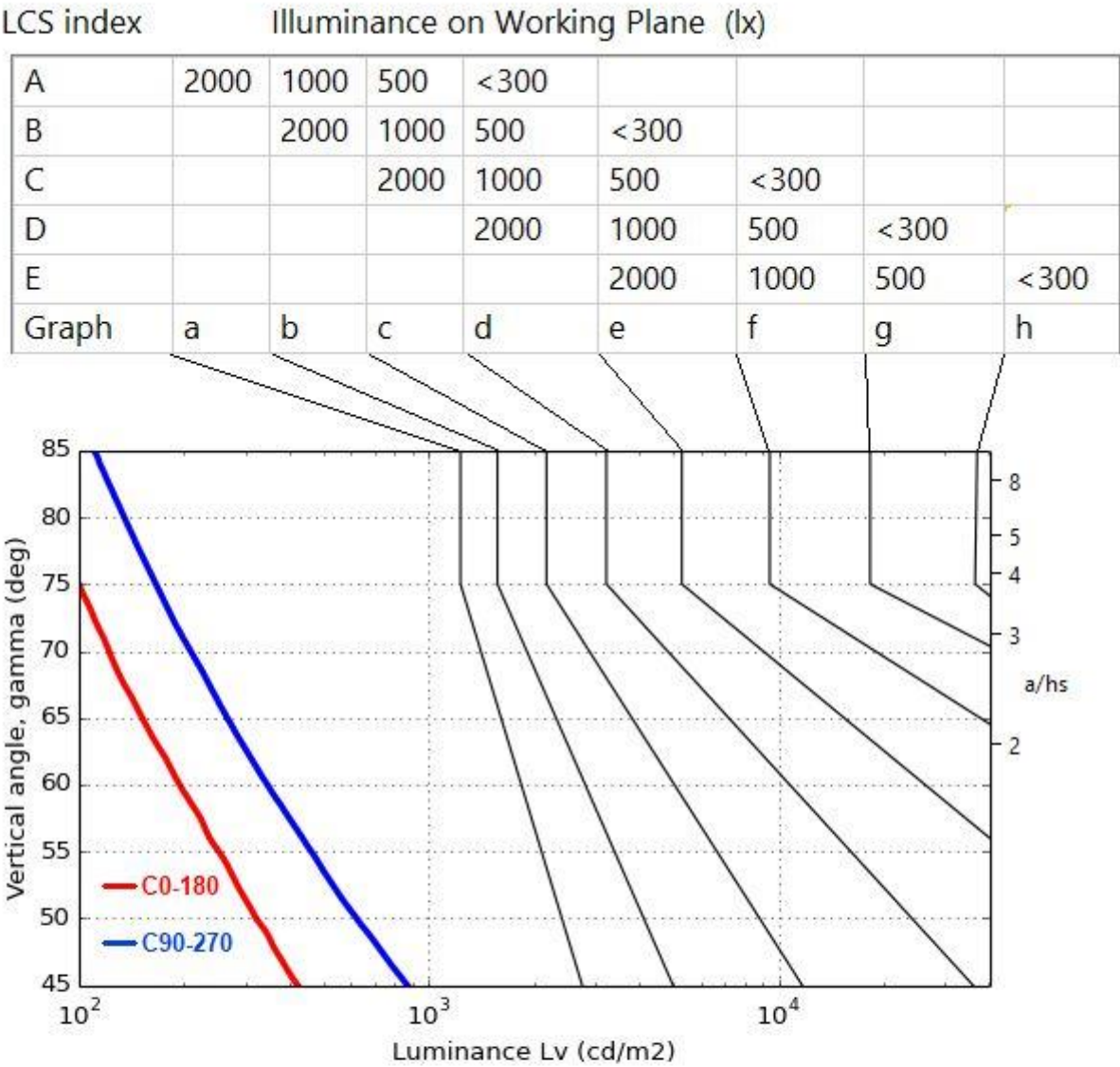


Table. Luminance [Lv] = cd/m2

	C 0	C 45	C 90
γ 0	6465	6465	6465
γ 45	423	709	870
γ 55	252	398	463
γ 65	152	237	266
γ 75	100	156	167
γ 85	68	104	111

UGR table (CIE 190, SHR =1, H=2m)

Ceiling			70	70	50	50	30		70	70	50	50	30
Walls			50	30	50	30	30		50	30	50	30	30
Floor			20	20	20	20	20		20	20	20	20	20
Room size			Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
	X	Y											
2H	2H		5.0	5.9	5.2	6.4	6.9	7.4	8.7	7.9	9.1	9.6	
	3H		5.8	6.8	6.2	7.3	7.8	8.6	9.7	9.1	10.2	10.7	
	4H		6.2	7.2	6.7	7.7	8.2	9.0	10.1	9.6	10.6	11.1	
	6H		6.5	7.4	7.0	7.9	8.5	9.4	10.4	9.9	10.9	11.4	
	8H		6.6	7.5	7.2	8.0	8.6	9.6	10.5	10.1	11.0	11.6	
	12H		6.8	7.6	7.3	8.1	8.7	9.7	10.6	10.3	11.1	11.7	
4H	2H		5.2	6.3	5.8	6.8	7.3	7.6	8.7	8.1	9.1	9.7	
	3H		6.5	7.4	7.0	7.9	8.4	9.0	9.8	9.5	10.4	10.9	
	4H		7.0	7.8	7.6	8.3	8.9	9.6	10.3	10.1	10.9	11.5	
	6H		7.5	8.2	8.1	8.7	9.4	10.1	10.8	10.7	11.3	11.9	
	8H		7.7	8.3	8.3	8.9	9.5	10.3	10.9	10.9	11.5	12.1	
	12H		7.9	8.4	8.5	9.0	9.7	10.5	11.1	11.1	11.7	12.3	
8H	4H		7.3	8.0	7.9	8.5	9.2	9.7	10.3	10.2	10.9	11.5	
	6H		8.0	8.5	8.6	9.1	9.7	10.3	10.8	10.9	11.4	12.1	
	8H		8.2	8.7	8.9	9.3	10.0	10.6	11.1	11.3	11.7	12.4	
	12H		8.5	8.9	9.1	9.5	10.3	11.0	11.4	11.6	12.0	12.7	
12H	4H		7.4	7.9	8.0	8.5	9.2	9.7	10.2	10.2	10.8	11.4	
	6H		8.0	8.5	8.7	9.1	9.8	10.3	10.8	11.0	11.4	12.1	
	8H		8.4	8.8	9.0	9.4	10.1	10.7	11.1	11.3	11.7	12.4	

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

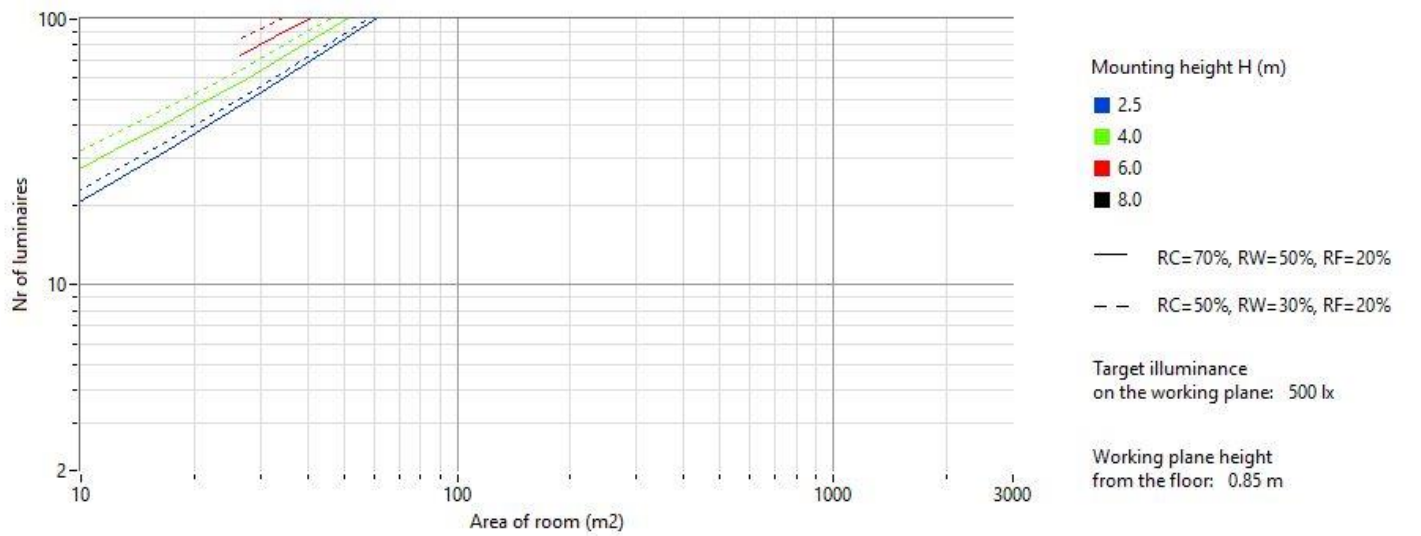


Table. Coefficient of Utilization (CU).

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	114	114	114	114	107	107	107	101	101	101	96	96	96
1	90	87	84	82	91	88	85	83	89	87	85	90	88	86	91	90	88
2	87	82	77	74	87	82	78	74	82	79	75	83	79	77	83	80	78
3	83	76	71	67	83	76	71	67	76	72	68	76	72	69	76	72	69
4	80	71	65	61	79	71	65	61	71	66	61	70	66	62	70	66	62
5	76	67	60	56	75	66	60	56	66	60	56	65	60	56	65	60	57
6	72	62	56	51	71	62	56	51	61	56	52	61	56	52	60	56	52
7	69	59	52	47	68	58	52	47	58	52	48	57	52	48	56	52	48
8	65	55	49	44	64	55	48	44	54	48	44	53	48	44	53	48	44
9	62	52	45	41	61	51	45	41	51	45	41	50	45	41	50	45	41
10	59	49	43	39	58	49	43	39	48	42	39	47	42	39	47	42	39

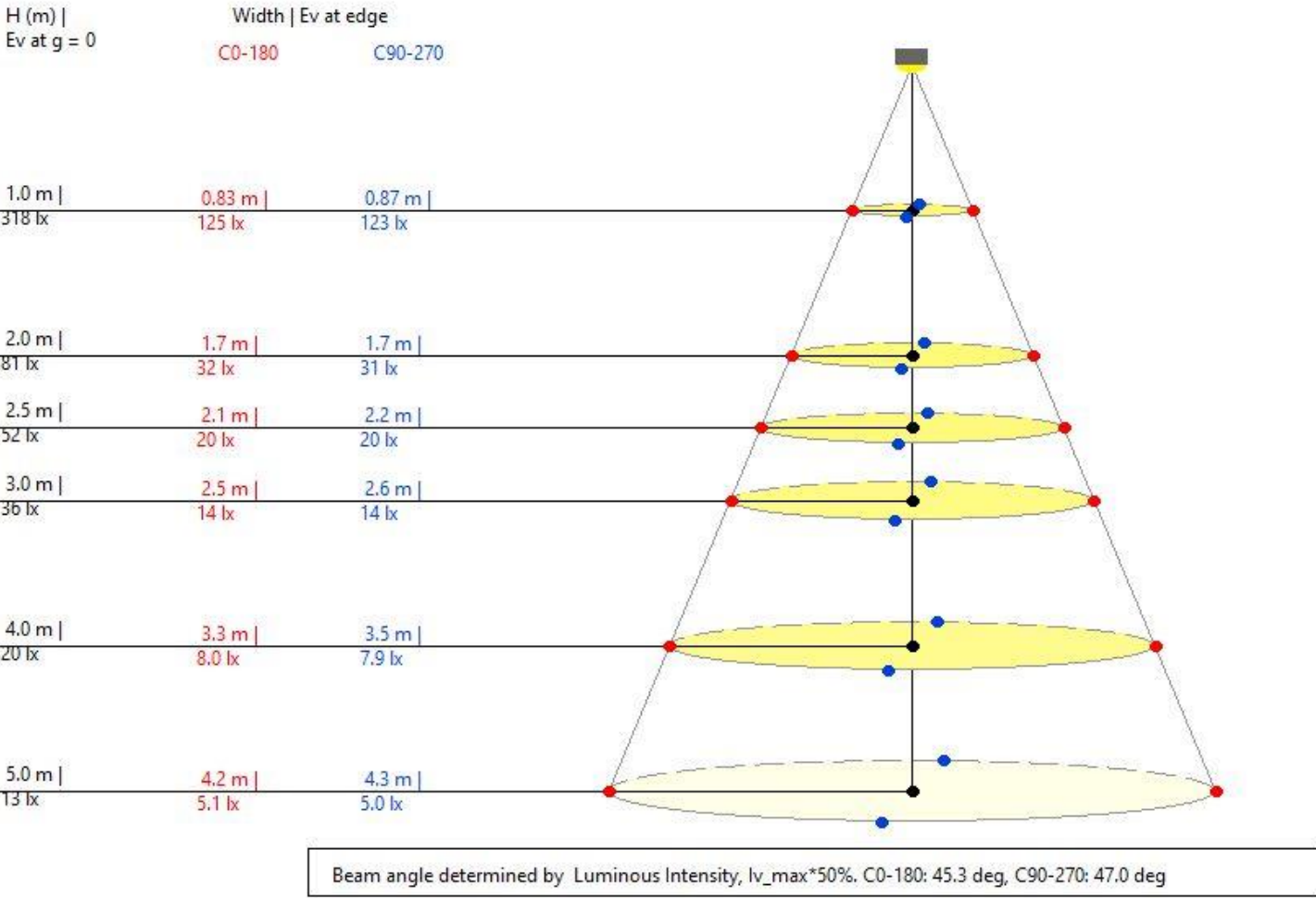
Table. Wall Exitance Coefficients (WEC).

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	39.5	26.8	15.3	4.9	38.1	25.9	14.9	4.7	24.2	13.9	4.5	22.4	13.0	4.2	20.5	11.9	3.8
2	38.0	24.8	13.7	4.3	36.6	24.0	13.3	4.1	22.4	12.5	3.9	20.8	11.7	3.7	19.0	10.8	3.4
3	36.5	23.1	12.5	3.8	35.2	22.4	12.1	3.7	20.9	11.4	3.5	19.4	10.7	3.3	17.8	9.9	3.1
4	35.1	21.6	11.5	3.4	33.8	21.0	11.2	3.4	19.6	10.5	3.2	18.2	9.8	3.0	16.7	9.1	2.8
5	33.8	20.4	10.6	3.2	32.5	19.7	10.3	3.1	18.4	9.7	2.9	17.1	9.1	2.7	15.7	8.4	2.5
6	32.6	19.3	9.9	2.9	31.3	18.6	9.7	2.9	17.4	9.1	2.7	16.1	8.5	2.5	14.8	7.8	2.3
7	31.4	18.3	9.4	2.7	30.2	17.7	9.1	2.7	16.5	8.5	2.5	15.3	8.0	2.3	14.0	7.3	2.2
8	30.3	17.4	8.9	2.6	29.1	16.9	8.6	2.5	15.7	8.1	2.4	14.5	7.5	2.2	13.3	6.9	2.0
9	29.3	16.7	8.5	2.5	28.2	16.1	8.2	2.4	15.0	7.7	2.2	13.9	7.1	2.1	12.7	6.5	1.9
10	28.4	16.0	8.1	2.4	27.2	15.5	7.8	2.3	14.4	7.3	2.1	13.3	6.7	2.0	12.1	6.1	1.8

Table. Ceiling Cavity Exitance Coefficients (CCEC).

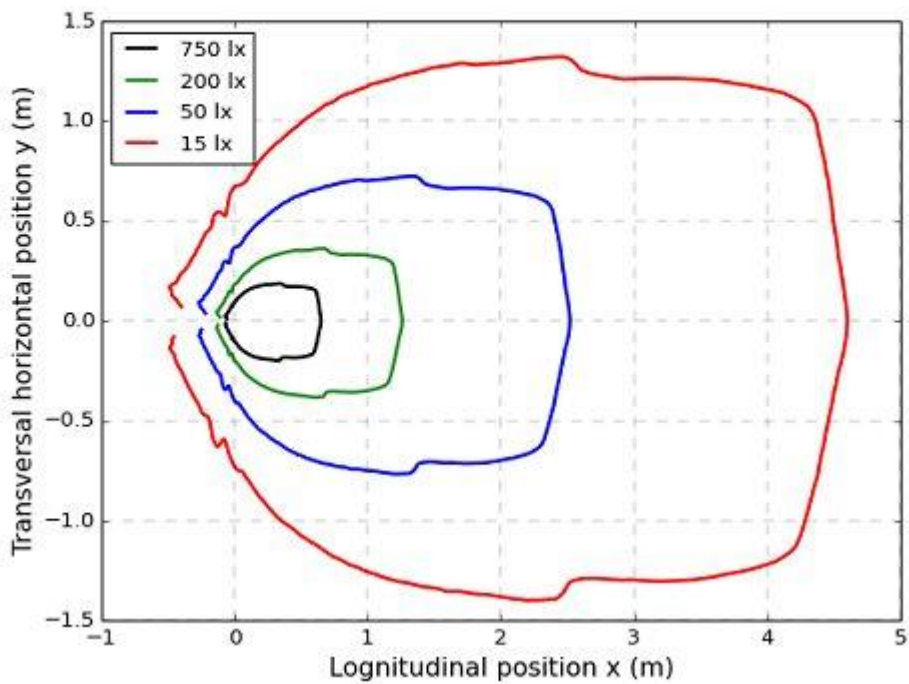
RC	80				70				50			30			10		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RF / RCR	20				20				20			20			20		
1	82.0	75.9	70.4	65.5	35.9	32.8	30.0	27.4	13.0	11.7	10.6	6.5	5.8	5.3	2.0	1.8	1.6
2	80.0	69.1	60.2	52.6	35.5	30.0	25.3	21.3	12.1	9.9	8.1	6.1	5.0	4.1	1.9	1.6	1.3
3	77.4	62.8	51.5	42.5	34.8	27.3	21.4	16.7	11.2	8.5	6.2	5.7	4.4	3.2	1.8	1.4	1.1
4	74.3	56.8	44.1	34.3	33.8	24.8	18.2	13.0	10.4	7.3	4.8	5.3	3.8	2.6	1.7	1.2	0.9
5	70.8	51.3	37.7	27.6	32.6	22.5	15.4	10.0	9.6	6.3	3.7	5.0	3.4	2.1	1.6	1.1	0.7
6	67.2	46.2	32.0	21.9	31.3	20.4	12.9	7.5	8.9	5.4	2.8	4.7	3.0	1.7	1.5	1.0	0.6
7	63.6	41.4	27.1	17.1	29.9	18.4	10.8	5.4	8.2	4.7	2.1	4.4	2.7	1.4	1.4	0.9	0.5
8	60.0	37.1	22.8	12.9	28.4	16.5	8.9	3.6	7.6	4.0	1.5	4.2	2.4	1.1	1.4	0.8	0.5
9	56.4	33.2	18.9	9.3	27.0	14.9	7.3	2.1	7.0	3.5	1.0	3.9	2.2	0.9	1.3	0.8	0.4
10	53.0	29.6	15.5	6.2	25.6	13.3	5.8	0.8	6.5	3.0	0.5	3.7	2.0	0.7	1.2	0.7	0.3

- 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

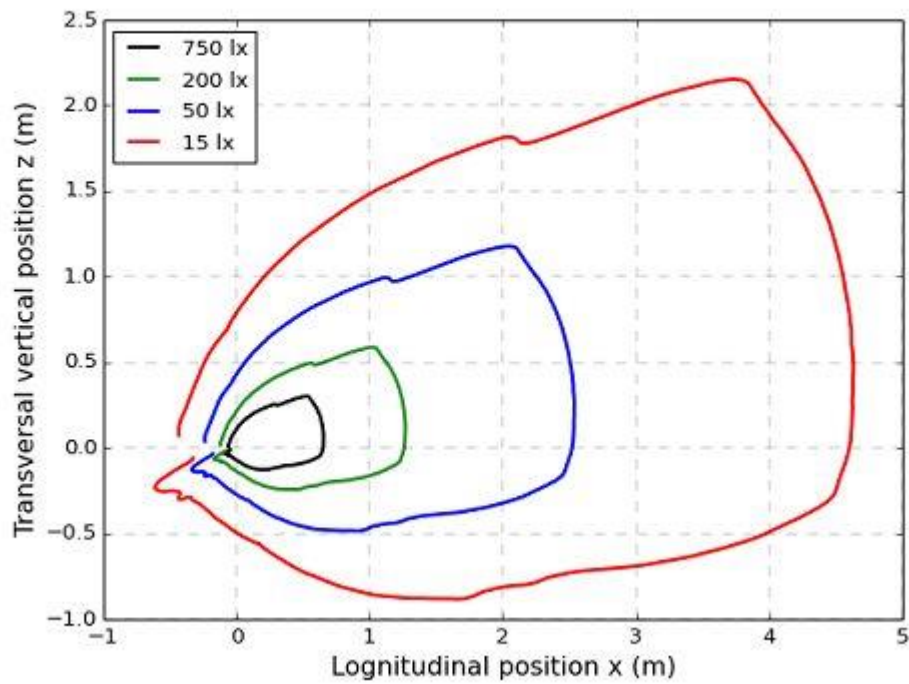


LOGNITUDINAL ISOLUX CURVES

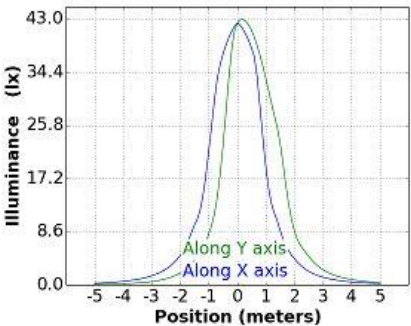
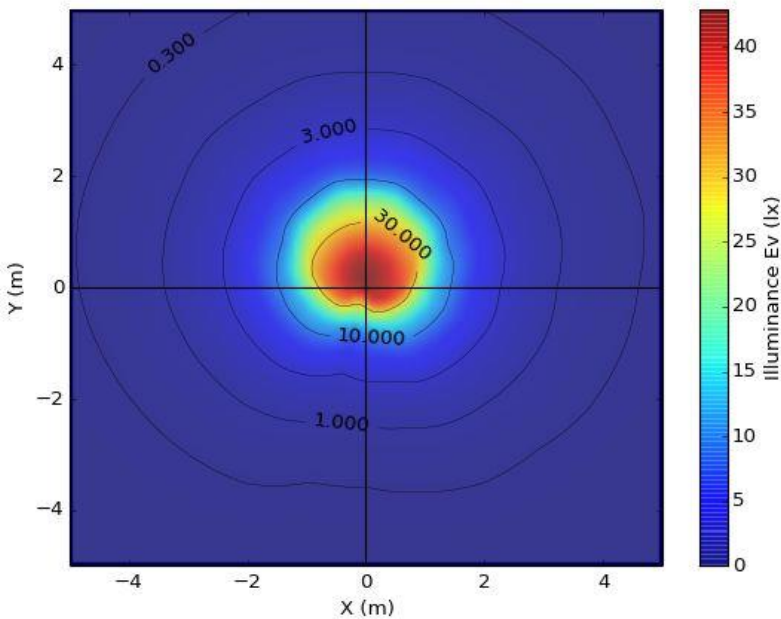
Horizontal



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: 2.76 lx
Uniformity: 1.66 %
Max Ev: 42.9 lx
Min Ev: 0.0457 lx
Power Consumption: 8.1 W

GonioSpectroRadiometric Test Report

