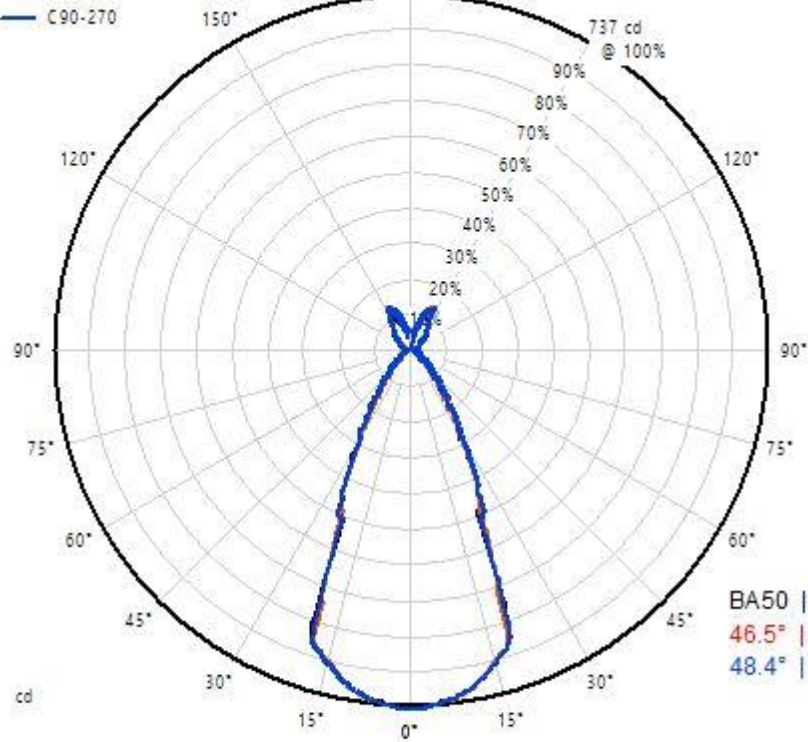


— Max Iv at C15-195
— C0-180
— C90-270

Goniophotometric Test Report



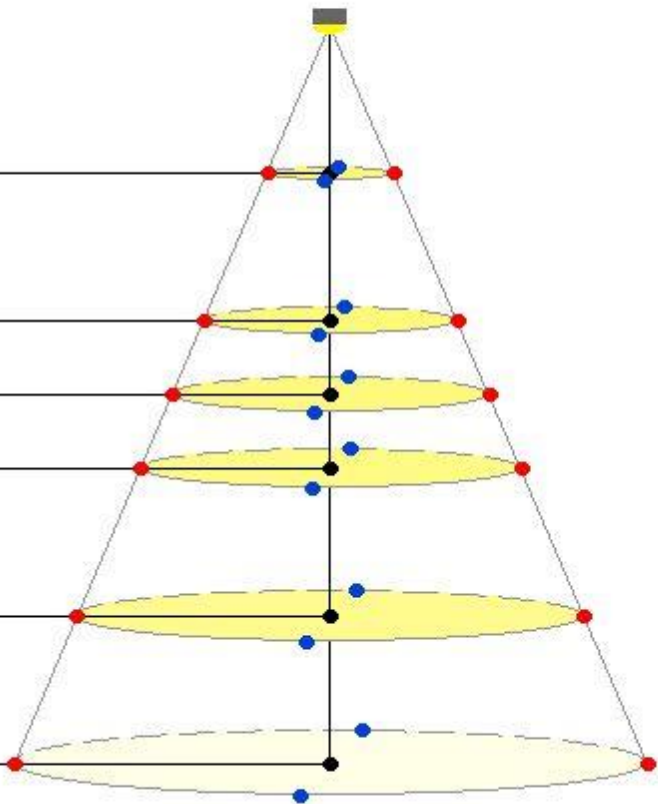
Phi = 810.4 lm
LPW = 43.3 lm/W
DWFF = 77.2 %
Iv(g=0) = 737.4 cd

BA50 | BA10
46.5° | 320.1°
48.4° | 320.5°

Pin = 18.70 W
PF = 0.5650
Vin = 230.4 V
If = 0.1440 A

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

1.0 m	0.86 m	0.90 m
657 Iv	255 Iv	210 Iv
2.0 m	1.7 m	1.8 m
170 Iv	60 Iv	62 Iv
2.5 m	2.1 m	2.2 m
116 Iv	45 Iv	44 Iv
3.0 m	2.6 m	2.7 m
81 Iv	34 Iv	34 Iv
4.0 m	3.4 m	3.6 m
46 Iv	19 Iv	17 Iv
5.0 m	4.3 m	4.5 m
20 Iv	11 Iv	11 Iv



Beam angle determined by Luminous Intensity, Iv max*50%. C0-180: 46.5 de

Table. Measurement results of the main luminous parameters

Luminous flux	Input power	Luminous efficacy	LOR	DWFF	Luminous intensity (g=0)
810.4 lm	18.7 W	43.3 lm/W	100.0 %	77.2 %	737.4 cd

Table. Electrical parameters during the light measurements.

	Pin	PF	Vin	If
Value	18.70 W	0.5650	230.4 V	0.1440 A
St.dev.	0.01 %	0.00 %	0.00 %	0.00 %

Table. Maximum Luminous Intensity and its direction

Iv	g	C plane
737 cd	0.5°	15.0°

Table. Beam widths at two perpendicular planes

	Beam angle, FWHM, 50% (deg)	Beam angle, 10% (deg)	Effective beam direction from g=0
C0-180	46.5°	320.1°	-0.0°
C90-270	48.4°	320.5°	0.0°

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

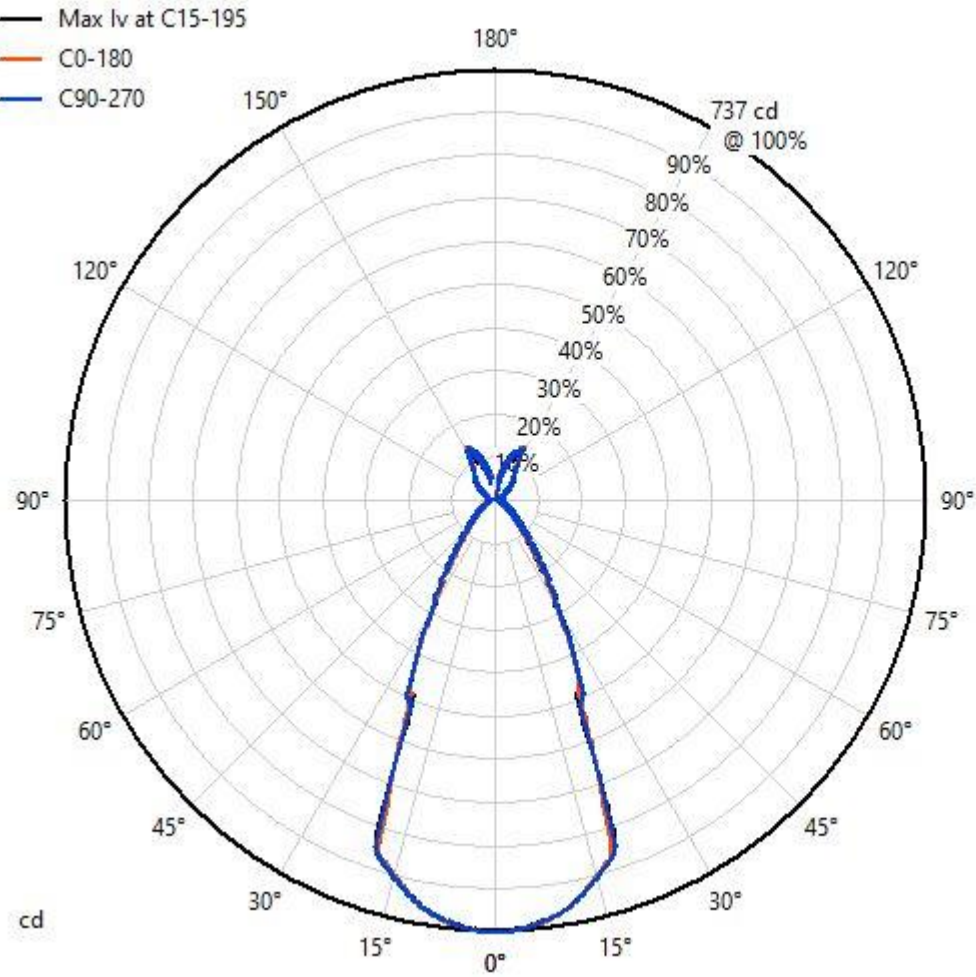
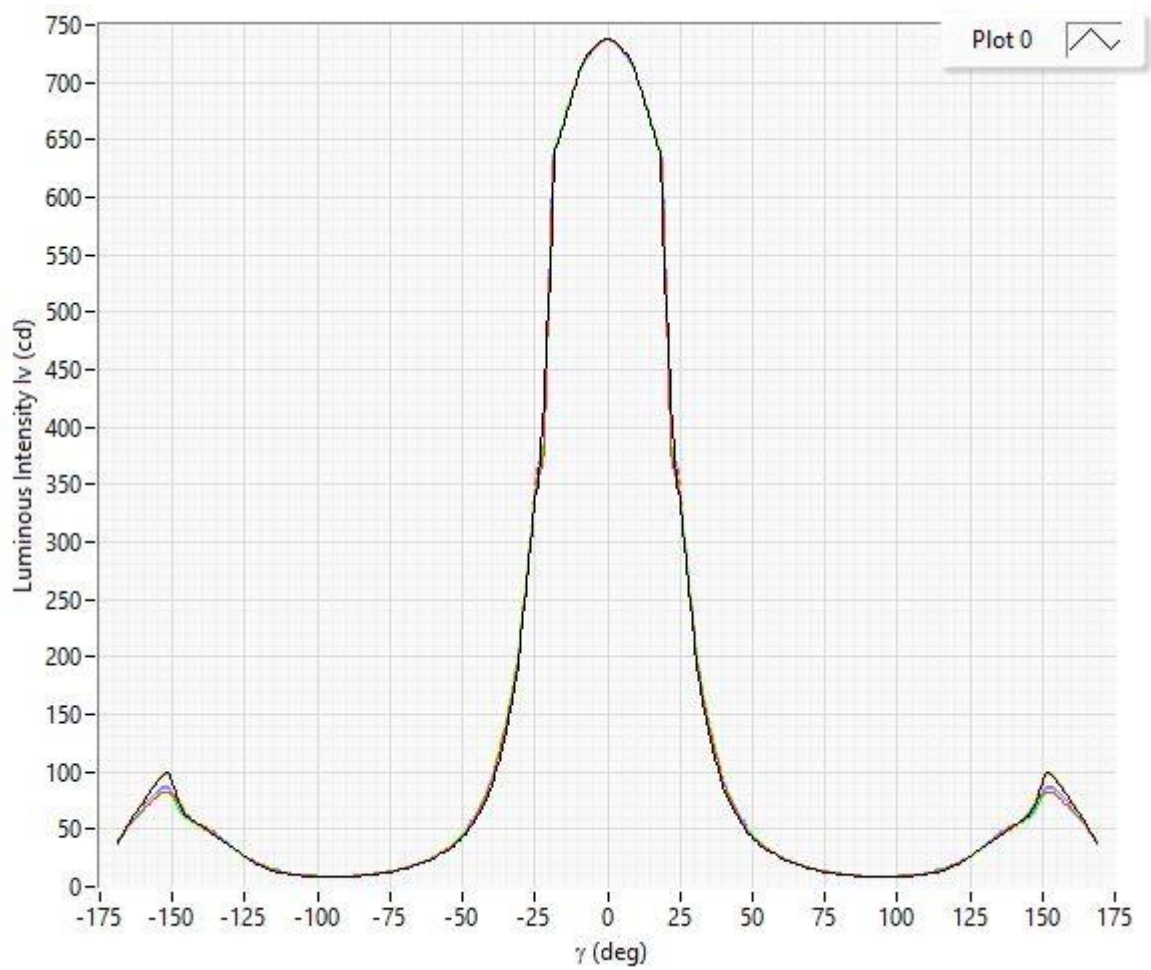


Figure. Luminous Intensity distribution in cartesian diagram at all measured C planes.



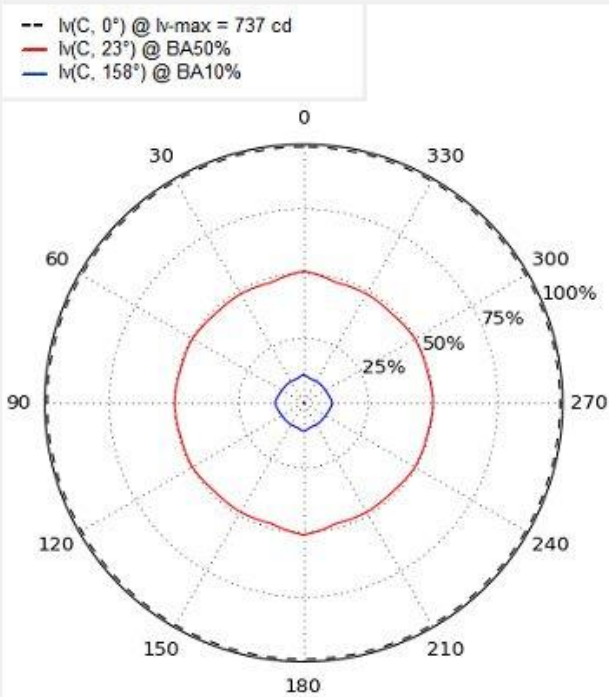


Table. Zonal lumen summary

	Lumens	Relative lumens (%)
0-20	260.00	32.08
0-30	411.30	50.75
0-40	500.70	61.78
0-60	580.60	71.64
0-80	614.90	75.88
0-90	625.80	77.22
10-90	553.55	68.31
20-40	240.70	29.70
20-50	290.40	35.83
40-70	100.10	12.35
40-90	125.10	15.44
60-80	34.30	4.23
60-90	45.20	5.58
70-80	14.10	1.74
80-90	10.90	1.35
90-110	20.20	2.49
90-120	35.10	4.33
90-130	58.80	7.26
90-150	132.80	16.39
90-180	184.60	22.78
110-180	164.40	20.29
0-180	810.40	100.00
	347.30	42.86

Table. Cumulative and Zonal luminous flux

gamma (deg)	Zone Flux (lm)	Sum Flux (lm)	Zone Flux (%)	Sum Flux (%)
0	0.0441	0.0441	0.005442	0.005442
0.5	0.3528	0.3969	0.04353	0.04897
1	0.7053	1.102	0.08703	0.136
1.5	1.057	2.159	0.1304	0.2664
2	1.408	3.567	0.1737	0.4402
2.5	1.757	5.325	0.2169	0.6571
3	2.105	7.43	0.2598	0.9169
3.5	2.452	9.882	0.3025	1.219
4	2.796	12.68	0.345	1.564
4.5	3.139	15.82	0.3873	1.952
5	3.48	19.3	0.4294	2.381
5.5	3.819	23.12	0.4712	2.852
6	4.155	27.27	0.5128	3.365
6.5	4.489	31.76	0.554	3.919
7	4.821	36.58	0.5949	4.514
7.5	5.149	41.73	0.6353	5.149
8	5.473	47.2	0.6754	5.825
8.5	5.794	53	0.7149	6.54
9	6.109	59.11	0.7538	7.293
9.5	6.419	65.52	0.792	8.085
10	6.723	72.25	0.8296	8.915
10.5	7.021	79.27	0.8664	9.781
11	7.313	86.58	0.9024	10.68
11.5	7.599	94.18	0.9377	11.62
12	7.88	102.1	0.9724	12.59
12.5	8.157	110.2	1.006	13.6
13	8.426	118.6	1.04	14.64
13.5	8.69	127.3	1.072	15.71
14	8.949	136.3	1.104	16.82
14.5	9.201	145.5	1.135	17.95
15	9.444	154.9	1.165	19.12
15.5	9.685	164.6	1.195	20.31
16	9.923	174.5	1.225	21.54
16.5	10.16	184.7	1.254	22.79
17	10.4	195.1	1.284	24.07
17.5	10.64	205.7	1.313	25.39
18	10.87	216.6	1.341	26.73
18.5	11.05	227.7	1.364	28.09
19	11.09	238.7	1.368	29.46
19.5	10.86	249.6	1.34	30.8
20	10.36	260	1.279	32.08
20.5	9.682	269.6	1.195	33.27
21	8.962	278.6	1.106	34.38

21.5	8.35	287	1.03	35.41
22	7.951	294.9	0.9811	36.39
22.5	7.798	302.7	0.9622	37.35
23	7.837	310.5	0.967	38.32
23.5	7.965	318.5	0.9829	39.3
24	8.053	326.6	0.9938	40.3
24.5	8.039	334.6	0.992	41.29
25	7.923	342.5	0.9777	42.27
25.5	7.756	350.3	0.957	43.22
26	7.578	357.9	0.9351	44.16
26.5	7.385	365.2	0.9112	45.07
27	7.183	372.4	0.8863	45.96
27.5	6.981	379.4	0.8614	46.82
28	6.786	386.2	0.8374	47.65
28.5	6.583	392.8	0.8123	48.47
29	6.375	399.2	0.7866	49.25
29.5	6.17	405.3	0.7614	50.02
30	5.98	411.3	0.7379	50.75
30.5	5.804	417.1	0.7162	51.47
31	5.642	422.7	0.6962	52.17
31.5	5.484	428.2	0.6767	52.84
32	5.333	433.6	0.6581	53.5
32.5	5.184	438.8	0.6396	54.14
33	5.04	443.8	0.6219	54.76
33.5	4.893	448.7	0.6038	55.37
34	4.751	453.4	0.5862	55.95
34.5	4.613	458	0.5692	56.52
35	4.482	462.5	0.553	57.07
35.5	4.347	466.9	0.5365	57.61
36	4.223	471.1	0.5211	58.13
36.5	4.098	475.2	0.5056	58.64
37	3.976	479.2	0.4906	59.13
37.5	3.856	483	0.4758	59.6
38	3.742	486.8	0.4617	60.07
38.5	3.628	490.4	0.4477	60.51
39	3.521	493.9	0.4345	60.95
39.5	3.416	497.3	0.4215	61.37
40	3.316	500.7	0.4091	61.78
40.5	3.218	503.9	0.397	62.18
41	3.125	507	0.3856	62.56
41.5	3.034	510	0.3744	62.94
42	2.95	513	0.3641	63.3
42.5	2.867	515.8	0.3538	63.65
43	2.787	518.6	0.3439	64
43.5	2.705	521.3	0.3338	64.33
44	2.626	524	0.3241	64.65
44.5	2.55	526.5	0.3147	64.97
45	2.479	529	0.3058	65.28
45.5	2.409	531.4	0.2973	65.57

46	2.346	533.7	0.2895	65.86
46.5	2.283	536	0.2817	66.14
47	2.222	538.3	0.2742	66.42
47.5	2.161	540.4	0.2667	66.68
48	2.106	542.5	0.2598	66.94
48.5	2.052	544.6	0.2532	67.2
49	2	546.6	0.2468	67.44
49.5	1.948	548.5	0.2404	67.69
50	1.9	550.4	0.2344	67.92
50.5	1.852	552.3	0.2286	68.15
51	1.808	554.1	0.2231	68.37
51.5	1.765	555.8	0.2178	68.59
52	1.725	557.6	0.2129	68.8
52.5	1.684	559.3	0.2078	69.01
53	1.645	560.9	0.203	69.21
53.5	1.607	562.5	0.1982	69.41
54	1.571	564.1	0.1938	69.6
54.5	1.536	565.6	0.1896	69.79
55	1.505	567.1	0.1857	69.98
55.5	1.473	568.6	0.1818	70.16
56	1.443	570	0.1781	70.34
56.5	1.412	571.4	0.1743	70.51
57	1.383	572.8	0.1706	70.68
57.5	1.354	574.2	0.1671	70.85
58	1.327	575.5	0.1637	71.02
58.5	1.299	576.8	0.1603	71.18
59	1.273	578.1	0.1571	71.33
59.5	1.248	579.3	0.154	71.49
60	1.224	580.6	0.151	71.64
60.5	1.2	581.8	0.1481	71.79
61	1.178	582.9	0.1453	71.93
61.5	1.155	584.1	0.1426	72.07
62	1.133	585.2	0.1398	72.21
62.5	1.111	586.3	0.1371	72.35
63	1.09	587.4	0.1345	72.49
63.5	1.07	588.5	0.1321	72.62
64	1.052	589.5	0.1298	72.75
64.5	1.033	590.6	0.1274	72.87
65	1.014	591.6	0.1251	73
65.5	0.9949	592.6	0.1228	73.12
66	0.9768	593.6	0.1205	73.24
66.5	0.9592	594.5	0.1184	73.36
67	0.9419	595.5	0.1162	73.48
67.5	0.9242	596.4	0.114	73.59
68	0.9068	597.3	0.1119	73.7
68.5	0.89	598.2	0.1098	73.81
69	0.8739	599.1	0.1078	73.92
69.5	0.8582	599.9	0.1059	74.03
70	0.8432	600.8	0.104	74.13

70.5	0.8279	601.6	0.1022	74.23
71	0.8121	602.4	0.1002	74.33
71.5	0.7957	603.2	0.09819	74.43
72	0.7793	604	0.09617	74.53
72.5	0.762	604.7	0.09403	74.62
73	0.7463	605.5	0.09208	74.71
73.5	0.7307	606.2	0.09017	74.8
74	0.7199	606.9	0.08883	74.89
74.5	0.7093	607.6	0.08753	74.98
75	0.7003	608.3	0.08642	75.07
75.5	0.6905	609	0.08521	75.15
76	0.6811	609.7	0.08404	75.24
76.5	0.6719	610.4	0.08291	75.32
77	0.6634	611	0.08186	75.4
77.5	0.6553	611.7	0.08086	75.48
78	0.6475	612.4	0.0799	75.56
78.5	0.6394	613	0.0789	75.64
79	0.6314	613.6	0.07791	75.72
79.5	0.6234	614.2	0.07692	75.8
80	0.6158	614.9	0.07599	75.87
80.5	0.6086	615.5	0.07509	75.95
81	0.6013	616.1	0.0742	76.02
81.5	0.5941	616.7	0.07331	76.09
82	0.587	617.3	0.07243	76.17
82.5	0.58	617.8	0.07157	76.24
83	0.5734	618.4	0.07075	76.31
83.5	0.5669	619	0.06995	76.38
84	0.5604	619.5	0.06915	76.45
84.5	0.5539	620.1	0.06835	76.52
85	0.5475	620.6	0.06755	76.58
85.5	0.5408	621.2	0.06674	76.65
86	0.5343	621.7	0.06594	76.72
86.5	0.5276	622.2	0.06511	76.78
87	0.5211	622.8	0.06431	76.85
87.5	0.5147	623.3	0.06352	76.91
88	0.5088	623.8	0.06278	76.97
88.5	0.5032	624.3	0.06209	77.03
89	0.4976	624.8	0.06141	77.1
89.5	0.4922	625.3	0.06074	77.16
90	0.4871	625.8	0.0601	77.22
90.5	0.4822	626.2	0.0595	77.28
91	0.4774	626.7	0.0589	77.34
91.5	0.4728	627.2	0.05834	77.39
92	0.4684	627.7	0.0578	77.45
92.5	0.4641	628.1	0.05727	77.51
93	0.4601	628.6	0.05678	77.57
93.5	0.4563	629	0.05631	77.62
94	0.4541	629.5	0.05603	77.68
94.5	0.4537	630	0.05598	77.73

95	0.456	630.4	0.05627	77.79
95.5	0.4597	630.9	0.05673	77.85
96	0.4645	631.3	0.05732	77.9
96.5	0.4696	631.8	0.05794	77.96
97	0.4746	632.3	0.05856	78.02
97.5	0.4795	632.8	0.05916	78.08
98	0.4842	633.2	0.05975	78.14
98.5	0.4886	633.7	0.06029	78.2
99	0.4928	634.2	0.06081	78.26
99.5	0.4968	634.7	0.0613	78.32
100	0.5006	635.2	0.06178	78.38
100.5	0.5045	635.7	0.06225	78.45
101	0.5084	636.2	0.06273	78.51
101.5	0.5122	636.7	0.0632	78.57
102	0.5159	637.3	0.06366	78.64
102.5	0.5197	637.8	0.06412	78.7
103	0.5235	638.3	0.0646	78.76
103.5	0.5267	638.8	0.06499	78.83
104	0.5295	639.4	0.06533	78.89
104.5	0.5317	639.9	0.06561	78.96
105	0.5336	640.4	0.06584	79.03
105.5	0.5351	641	0.06603	79.09
106	0.5364	641.5	0.06619	79.16
106.5	0.5378	642	0.06636	79.22
107	0.5402	642.6	0.06665	79.29
107.5	0.5438	643.1	0.0671	79.36
108	0.5494	643.7	0.0678	79.43
108.5	0.5567	644.2	0.0687	79.49
109	0.5659	644.8	0.06983	79.56
109.5	0.5771	645.4	0.07121	79.64
110	0.5891	646	0.0727	79.71
110.5	0.6017	646.6	0.07425	79.78
111	0.6151	647.2	0.0759	79.86
111.5	0.629	647.8	0.07762	79.94
112	0.6434	648.4	0.07939	80.02
112.5	0.6576	649.1	0.08114	80.1
113	0.6726	649.8	0.083	80.18
113.5	0.6876	650.5	0.08485	80.26
114	0.7027	651.2	0.08671	80.35
114.5	0.7178	651.9	0.08857	80.44
115	0.7333	652.6	0.09049	80.53
115.5	0.7486	653.4	0.09238	80.62
116	0.7645	654.1	0.09434	80.72
116.5	0.7798	654.9	0.09622	80.81
117	0.7966	655.7	0.09829	80.91
117.5	0.8135	656.5	0.1004	81.01
118	0.8312	657.4	0.1026	81.11
118.5	0.8493	658.2	0.1048	81.22
119	0.8687	659.1	0.1072	81.33

119.5	0.8888	660	0.1097	81.44
120	0.9098	660.9	0.1123	81.55
120.5	0.9308	661.8	0.1149	81.66
121	0.9535	662.8	0.1177	81.78
121.5	0.9769	663.7	0.1205	81.9
122	1.001	664.7	0.1235	82.02
122.5	1.026	665.8	0.1266	82.15
123	1.053	666.8	0.1299	82.28
123.5	1.079	667.9	0.1332	82.41
124	1.107	669	0.1366	82.55
124.5	1.135	670.1	0.1401	82.69
125	1.165	671.3	0.1437	82.84
125.5	1.194	672.5	0.1474	82.98
126	1.224	673.7	0.151	83.13
126.5	1.254	675	0.1547	83.29
127	1.284	676.3	0.1584	83.45
127.5	1.314	677.6	0.1622	83.61
128	1.344	678.9	0.1659	83.77
128.5	1.374	680.3	0.1695	83.94
129	1.404	681.7	0.1733	84.12
129.5	1.434	683.1	0.177	84.29
130	1.463	684.6	0.1806	84.47
130.5	1.492	686.1	0.1842	84.66
131	1.522	687.6	0.1878	84.85
131.5	1.551	689.1	0.1914	85.04
132	1.58	690.7	0.1949	85.23
132.5	1.608	692.3	0.1984	85.43
133	1.636	694	0.2019	85.63
133.5	1.663	695.6	0.2052	85.84
134	1.689	697.3	0.2084	86.05
134.5	1.713	699	0.2114	86.26
135	1.736	700.8	0.2142	86.47
135.5	1.757	702.5	0.2168	86.69
136	1.776	704.3	0.2191	86.91
136.5	1.793	706.1	0.2212	87.13
137	1.808	707.9	0.2231	87.35
137.5	1.822	709.7	0.2248	87.58
138	1.834	711.6	0.2263	87.8
138.5	1.844	713.4	0.2275	88.03
139	1.852	715.3	0.2286	88.26
139.5	1.859	717.1	0.2294	88.49
140	1.865	719	0.2301	88.72
140.5	1.869	720.9	0.2306	88.95
141	1.873	722.7	0.2311	89.18
141.5	1.876	724.6	0.2315	89.41
142	1.879	726.5	0.2319	89.64
142.5	1.882	728.4	0.2323	89.88
143	1.887	730.2	0.2328	90.11
143.5	1.892	732.1	0.2335	90.34

144	1.898	734	0.2342	90.58
144.5	1.906	735.9	0.2352	90.81
145	1.916	737.9	0.2364	91.05
145.5	1.93	739.8	0.2381	91.29
146	1.946	741.7	0.2402	91.53
146.5	1.97	743.7	0.2431	91.77
147	2.002	745.7	0.2471	92.02
147.5	2.041	747.7	0.2518	92.27
148	2.083	749.8	0.257	92.53
148.5	2.126	752	0.2623	92.79
149	2.17	754.1	0.2678	93.06
149.5	2.209	756.3	0.2725	93.33
150	2.239	758.6	0.2763	93.61
150.5	2.257	760.8	0.2784	93.88
151	2.262	763.1	0.2791	94.16
151.5	2.251	765.3	0.2777	94.44
152	2.226	767.6	0.2747	94.72
152.5	2.188	769.8	0.27	94.99
153	2.142	771.9	0.2643	95.25
153.5	2.088	774	0.2577	95.51
154	2.03	776	0.2506	95.76
154.5	1.97	778	0.2431	96
155	1.908	779.9	0.2354	96.24
155.5	1.844	781.7	0.2276	96.46
156	1.781	783.5	0.2198	96.68
156.5	1.718	785.2	0.212	96.9
157	1.654	786.9	0.2041	97.1
157.5	1.59	788.5	0.1962	97.3
158	1.528	790	0.1886	97.48
158.5	1.468	791.5	0.1811	97.67
159	1.407	792.9	0.1737	97.84
159.5	1.348	794.2	0.1664	98.01
160	1.291	795.5	0.1593	98.16
160.5	1.234	796.8	0.1523	98.32
161	1.178	797.9	0.1453	98.46
161.5	1.122	799.1	0.1384	98.6
162	1.067	800.1	0.1317	98.73
162.5	1.014	801.1	0.1251	98.86
163	0.9606	802.1	0.1185	98.98
163.5	0.9083	803	0.1121	99.09
164	0.8568	803.9	0.1057	99.19
164.5	0.8065	804.7	0.09952	99.29
165	0.7563	805.4	0.09332	99.39
165.5	0.7082	806.1	0.08739	99.47
166	0.6616	806.8	0.08164	99.56
166.5	0.6166	807.4	0.07609	99.63
167	0.5723	808	0.07061	99.7
167.5	0.5295	808.5	0.06534	99.77
168	0.4884	809	0.06026	99.83

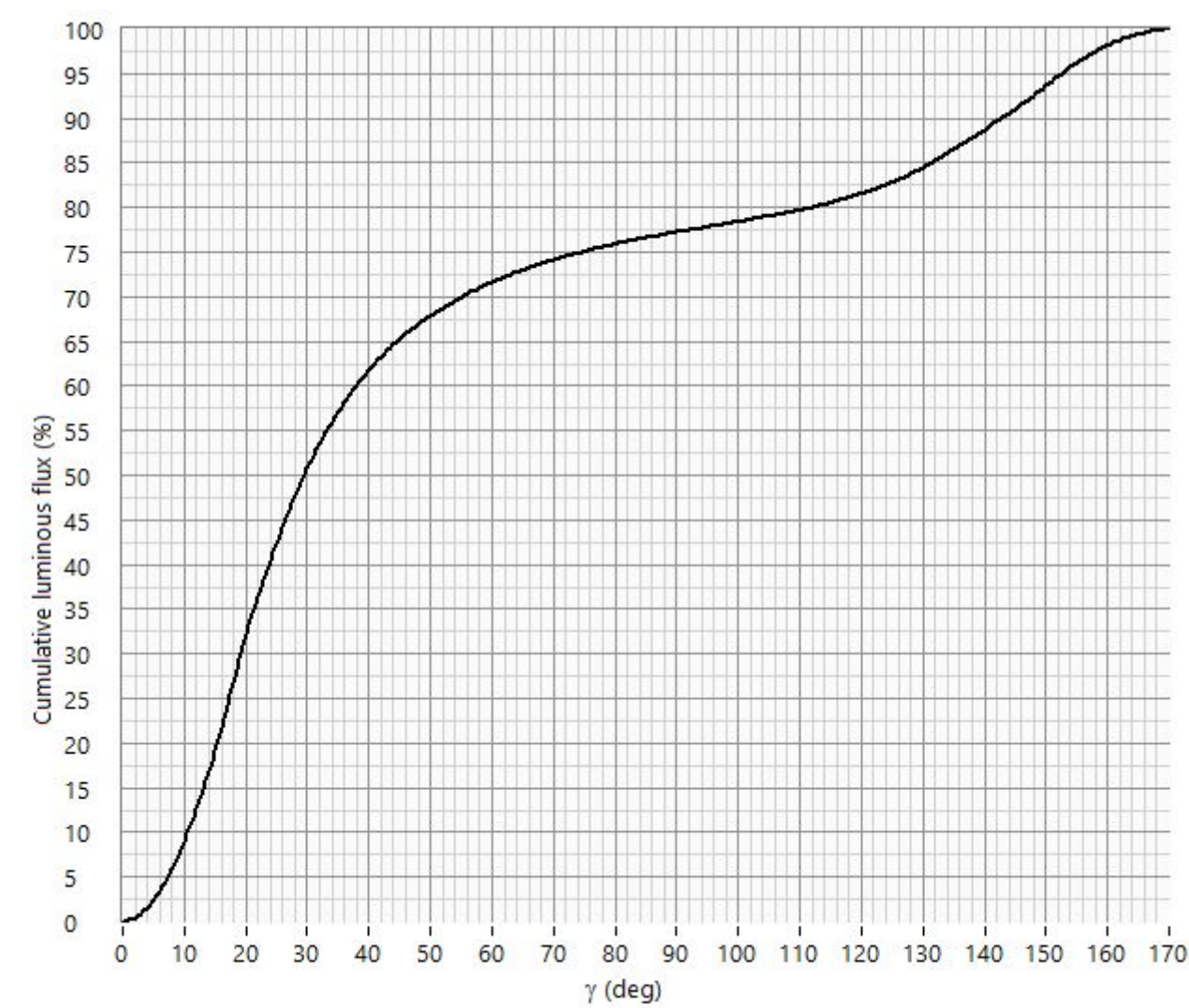
Report time: 2.5.2025 12.42
Report No.: DECO50-250002

Manufacturer: Secto Design

Item No.: Magnum 4202

168.5	0.4485	809.5	0.05534	99.88
169	0.4084	809.9	0.05039	99.93
169.5	0.3686	810.2	0.04548	99.98
170	0.1668	810.4	0.02058	100

Figure. Cumulative luminous flux



Söllner diagram (EN 12464) - Luminance

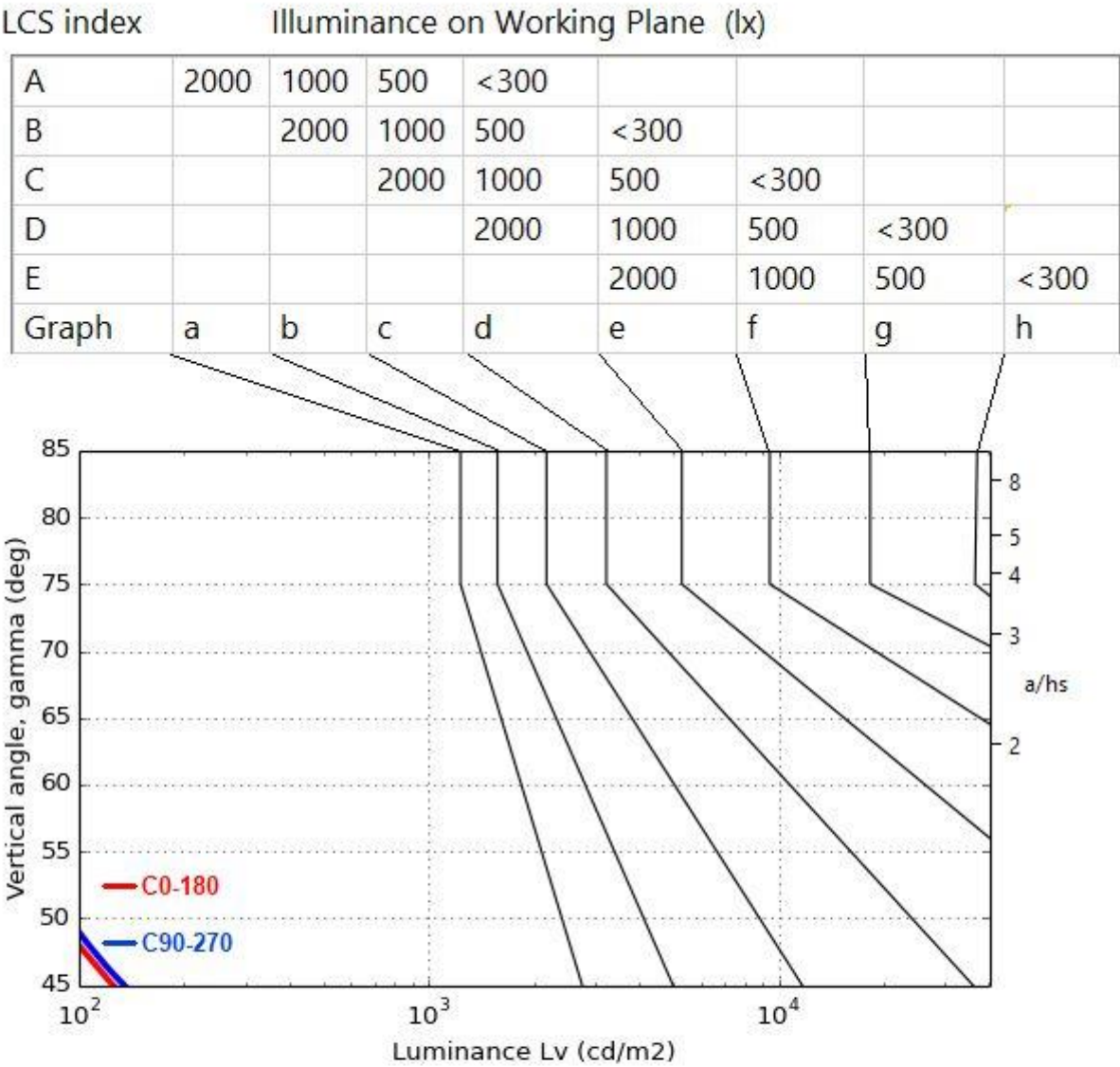


Table. Luminance [Lv] = cd/m2

	C 0	C 45	C 90
γ 0	3342	3342	3342
γ 45	126	133	135
γ 55	64	66	68
γ 65	38	40	41
γ 75	25	26	27
γ 85	20	21	21

[illegible]

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

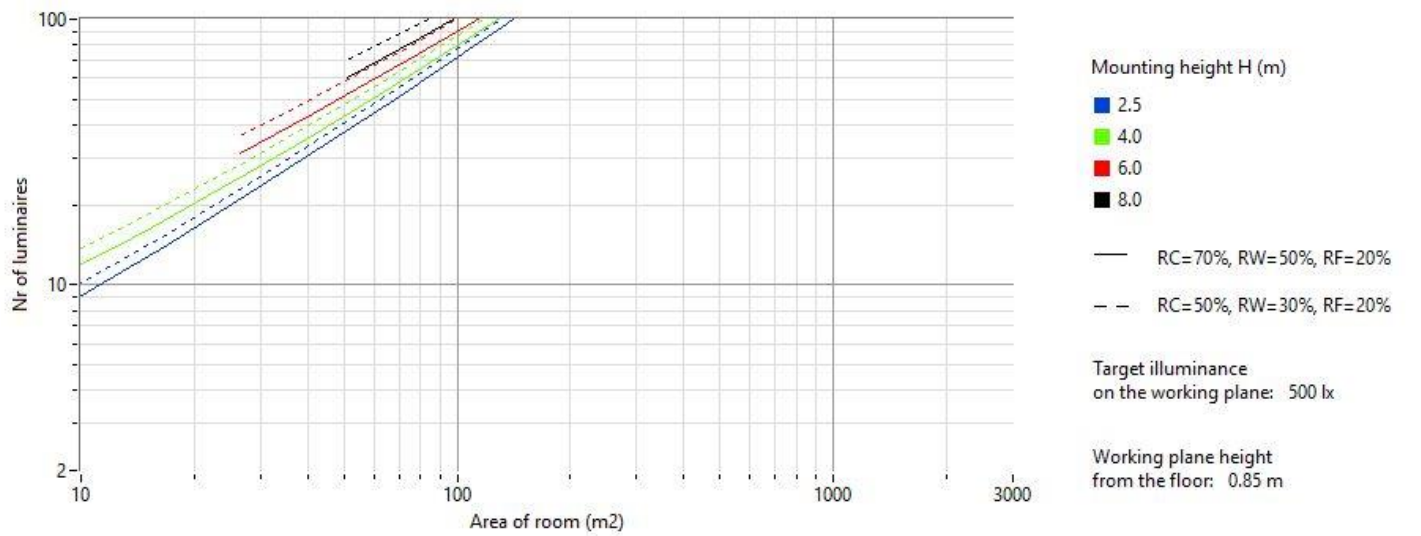


Table. Coefficient of Utilization (CU).

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	114	114	114	114	108	108	108	108	99	99	99	90	90	90	81	81	81
1	94	91	89	87	92	90	87	85	86	85	83	84	82	81	81	80	79
2	90	85	82	78	88	84	80	77	81	78	75	78	76	73	75	73	72
3	86	80	75	71	84	78	74	71	76	72	69	73	70	67	70	68	66
4	82	75	70	66	80	74	69	65	71	67	63	68	65	62	66	63	60
5	79	70	65	61	76	69	64	60	66	62	59	64	60	57	62	59	56
6	75	66	60	56	73	65	60	56	62	58	54	60	56	53	58	55	52
7	71	62	56	52	69	61	56	52	59	54	51	57	53	50	55	51	49
8	68	59	53	49	66	58	52	49	56	51	48	54	50	47	52	48	46
9	65	56	50	46	63	55	49	46	53	48	45	51	47	44	49	46	43
10	62	53	47	43	60	52	46	43	50	45	42	48	44	41	47	43	41

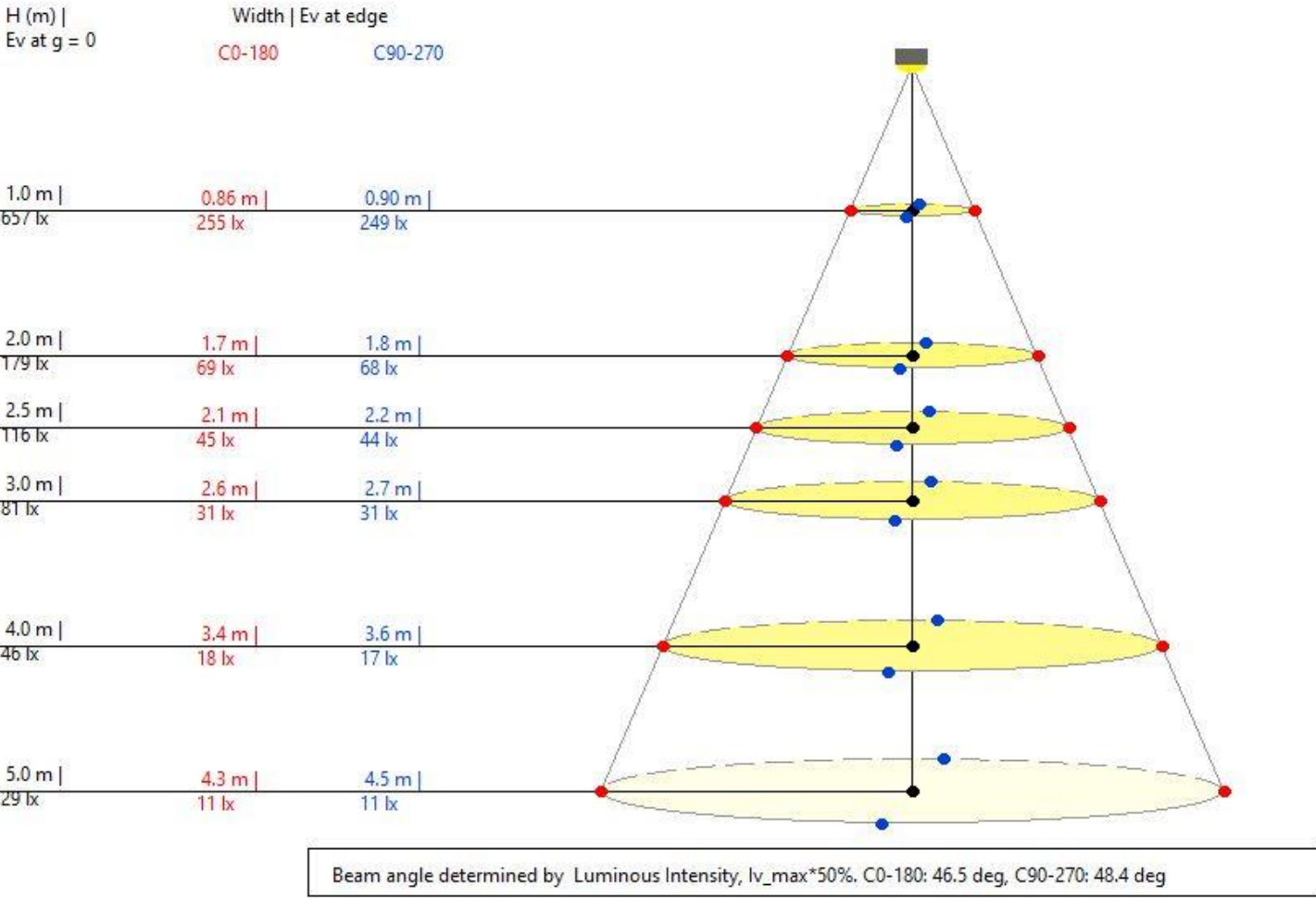
Table. Wall Exitance Coefficients (WEC).

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	38.8	26.6	15.4	4.9	36.8	25.3	14.6	4.7	22.5	13.1	4.2	19.3	11.2	3.6	15.5	9.0	2.9
2	37.6	25.2	14.2	4.5	35.7	23.9	13.5	4.3	21.2	12.0	3.8	18.1	10.3	3.3	14.5	8.3	2.6
3	36.7	24.0	13.4	4.2	34.7	22.8	12.7	4.0	20.1	11.3	3.5	17.1	9.6	3.0	13.7	7.7	2.4
4	35.8	23.0	12.7	3.9	33.8	21.8	12.0	3.7	19.2	10.6	3.3	16.3	9.0	2.8	13.0	7.1	2.2
5	34.9	22.2	12.2	3.8	32.9	21.0	11.5	3.6	18.4	10.1	3.1	15.6	8.5	2.6	12.4	6.7	2.0
6	34.2	21.5	11.8	3.7	32.2	20.3	11.1	3.4	17.7	9.7	3.0	14.9	8.1	2.5	11.8	6.3	1.9
7	33.5	21.0	11.5	3.6	31.5	19.8	10.8	3.4	17.2	9.3	2.9	14.4	7.8	2.4	11.3	6.0	1.8
8	32.9	20.5	11.2	3.5	30.9	19.3	10.5	3.3	16.7	9.1	2.8	13.9	7.5	2.3	10.8	5.7	1.7
9	32.3	20.1	11.0	3.5	30.3	18.9	10.3	3.2	16.2	8.8	2.7	13.4	7.2	2.2	10.4	5.5	1.6
10	31.7	19.8	10.9	3.5	29.7	18.5	10.2	3.2	15.9	8.6	2.7	13.0	7.0	2.1	10.1	5.2	1.6

Table. Ceiling Cavity Exitance Coefficients (CCEC).

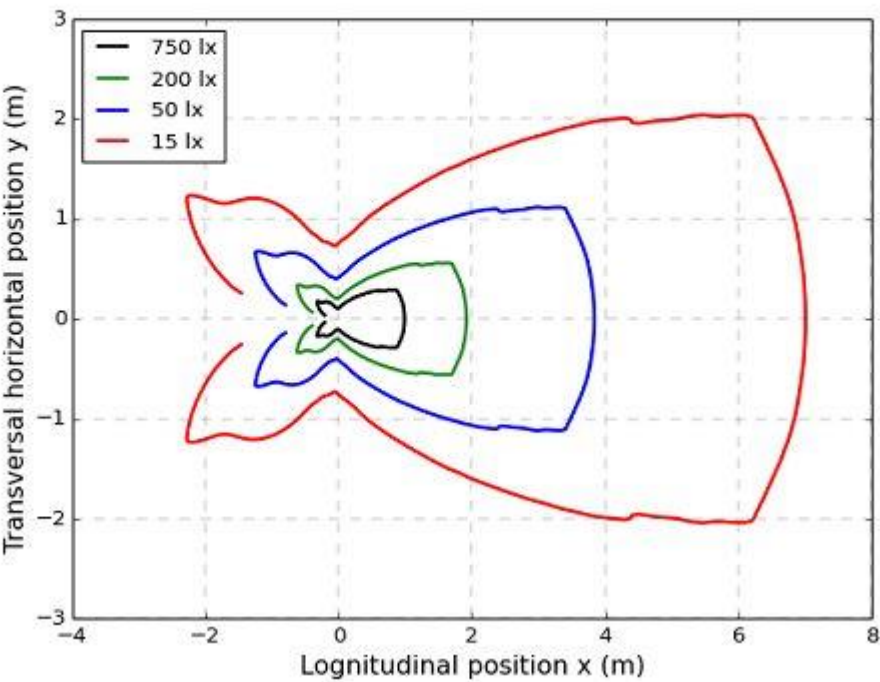
RC	80				70				50			30			10		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RF / RCR	20				20				20			20			20		
1	230.1	215.0	201.5	189.4	80.8	74.9	69.5	64.6	19.3	17.7	16.2	7.6	7.0	6.5	2.2	2.0	1.9
2	221.8	194.8	172.5	153.7	78.3	67.6	58.6	50.9	17.6	14.9	12.5	7.1	6.1	5.2	2.1	1.8	1.6
3	212.1	175.6	147.5	125.0	75.2	60.6	49.2	39.9	15.9	12.4	9.5	6.6	5.2	4.1	2.0	1.6	1.3
4	201.3	157.6	125.6	101.2	71.6	54.0	40.9	30.8	14.4	10.3	7.0	6.1	4.5	3.3	1.8	1.5	1.1
5	189.9	140.7	106.4	81.1	67.7	47.8	33.7	23.1	12.8	8.4	4.9	5.6	3.9	2.5	1.7	1.3	1.0
6	178.2	125.1	89.4	63.9	63.7	42.0	27.2	16.4	11.4	6.7	3.2	5.2	3.3	1.9	1.7	1.2	0.8
7	166.6	110.7	74.4	49.0	59.6	36.6	21.5	10.7	10.0	5.2	1.6	4.7	2.8	1.4	1.6	1.1	0.7
8	155.3	97.5	61.1	36.2	55.5	31.6	16.4	5.7	8.8	3.8	0.3	4.3	2.4	1.0	1.5	1.0	0.6
9	144.4	85.4	49.3	25.0	51.5	27.1	11.8	1.4	7.6	2.6	-0.9	4.0	2.0	0.6	1.4	0.9	0.5
10	133.9	74.5	38.9	15.2	47.6	22.9	7.8	-2.4	6.5	1.6	-1.9	3.6	1.6	0.3	1.3	0.8	0.5

- 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

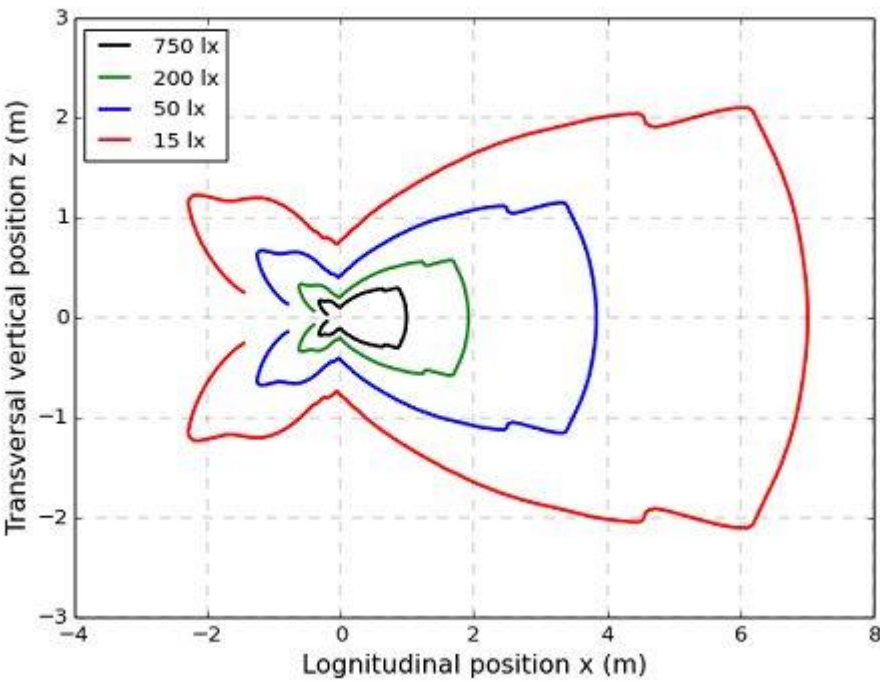


LOGNITUDINAL ISOLUX CURVES

Horizontal



Vertical



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

Mounting height of 2.50 m.

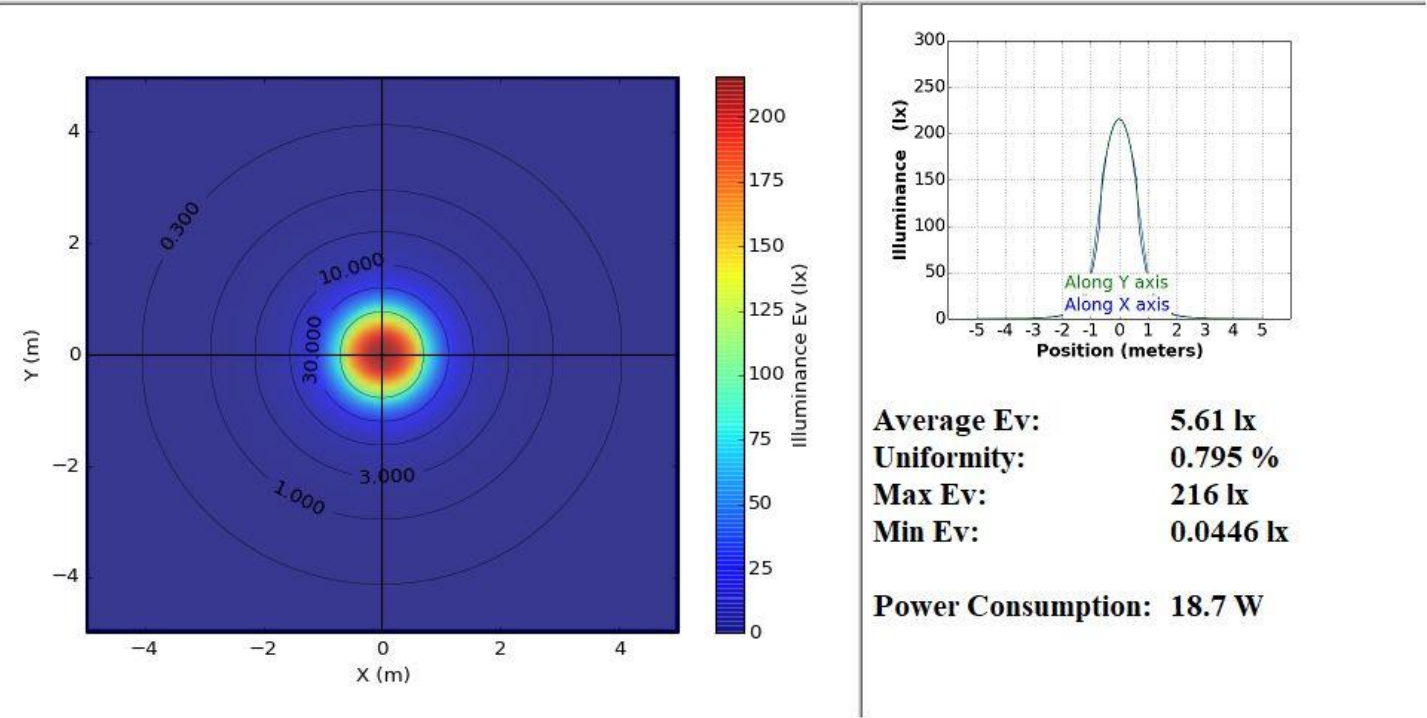
Lamp center position x =0.0 m, y = 0.0 m.

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

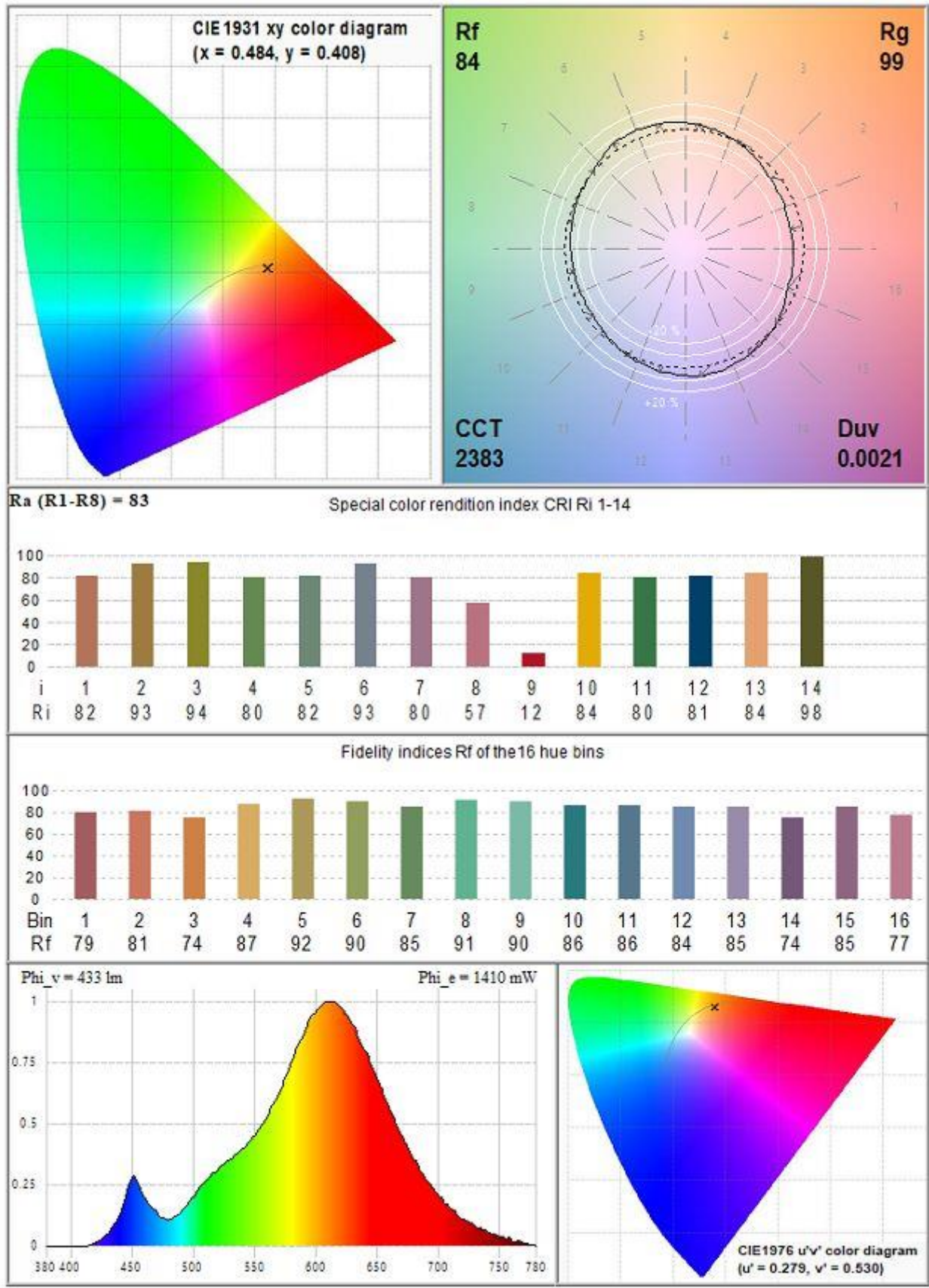
Maintenance factor = 0.80.

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

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



GonioSpectroRadiometric Test Report



Ra (R1-R8) = 83

Special color rendition index CRI Ri 1-14

i	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Ri	82	93	94	80	82	93	80	57	12	84	80	81	84	98

Fidelity indices Rf of the 16 hue bins

Bin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Rf	79	81	74	87	92	90	85	91	90	86	86	84	85	74	85	77

$\Phi_v = 433$ lm

$\Phi_e = 1410$ mW

CIE1976 u'v' color diagram
($u' = 0.279$, $v' = 0.530$)