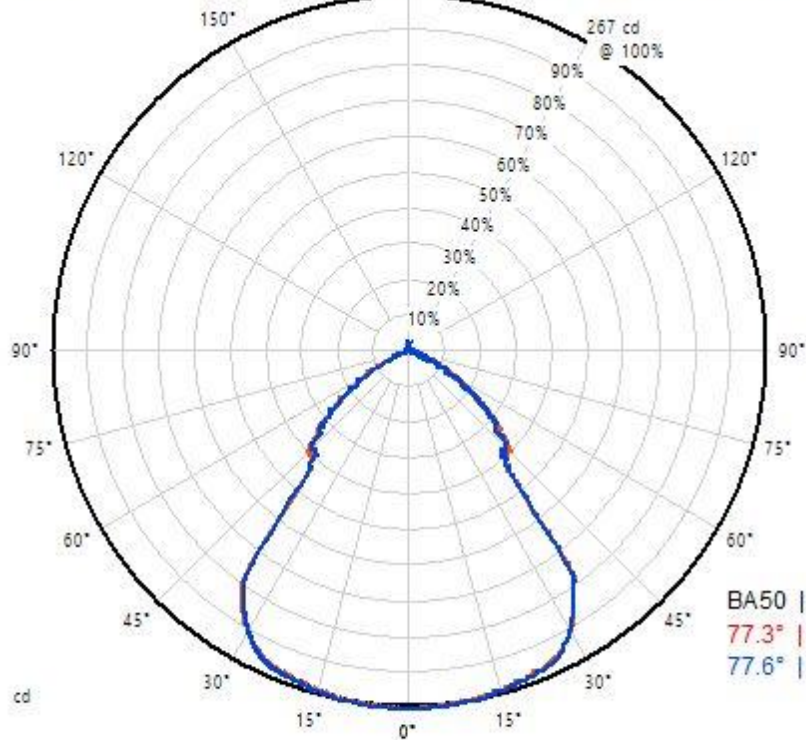


C0-180
C90-270

Goniophotometric Test Report



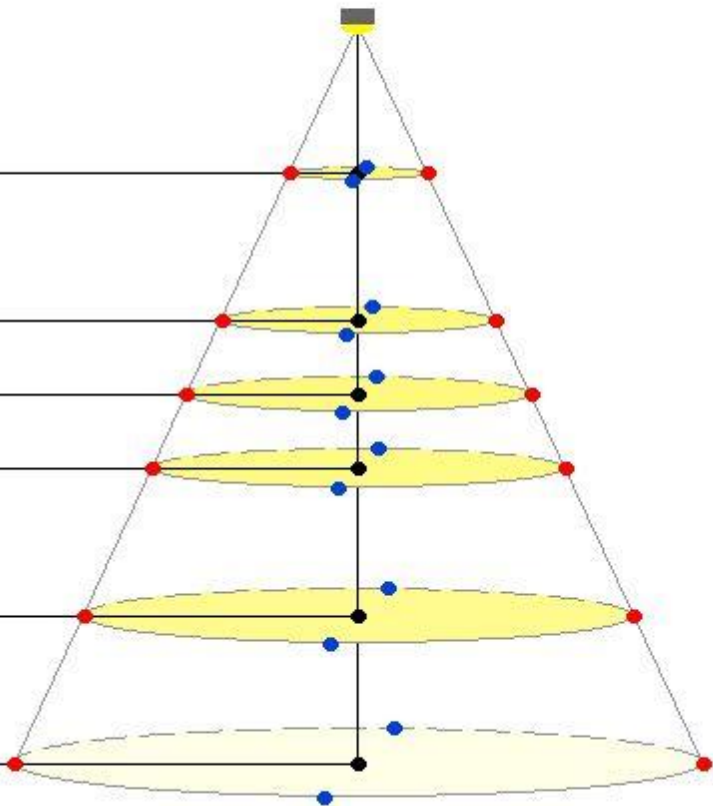
Phi = 496.1 lm
LPW = 62.8 lm/W
DWFF = 98.7 %
lv(g=0) = 266.3 cd

BA50 | BA10
77.3° | 125.9°
77.6° | 125.3°

Pin = 7.885 W
PF = 0.9290
Vin = 230.4 V
If = 0.0370 A

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

1.0 m	1.6 m	1.6 m
255 lv	61 lv	60 lv
2.0 m	3.2 m	3.2 m
66 lv	16 lv	16 lv
2.5 m	4.0 m	4.0 m
42 lv	10 lv	10 lv
3.0 m	4.8 m	4.8 m
20 lv	7.0 lv	7.0 lv
4.0 m	6.4 m	6.4 m
17 lv	4.0 lv	2.0 lv
5.0 m	8.0 m	8.0 m
11 lv	2.5 lv	2.5 lv



Beam angle determined by Luminous Intensity, lv max*50%. C0-180: 77.3 de

Table. Measurement results of the main luminous parameters

Luminous flux	Input power	Luminous efficacy	LOR	DWFF	Luminous intensity (g=0)
496.1 lm	7.9 W	62.8 lm/W	100.0 %	98.7 %	266.3 cd

Table. Electrical parameters during the light measurements.

	Pin	PF	Vin	If
Value	7.885 W	0.9290	230.4 V	0.0370 A
St.dev.	0.06 %	0.00 %	0.02 %	0.00 %

Table. Maximum Luminous Intensity and its direction

Iv	g	C plane
267 cd	0.5°	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	77.3°	125.9°	0.0°
C90-270	77.6°	125.3°	-0.0°

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

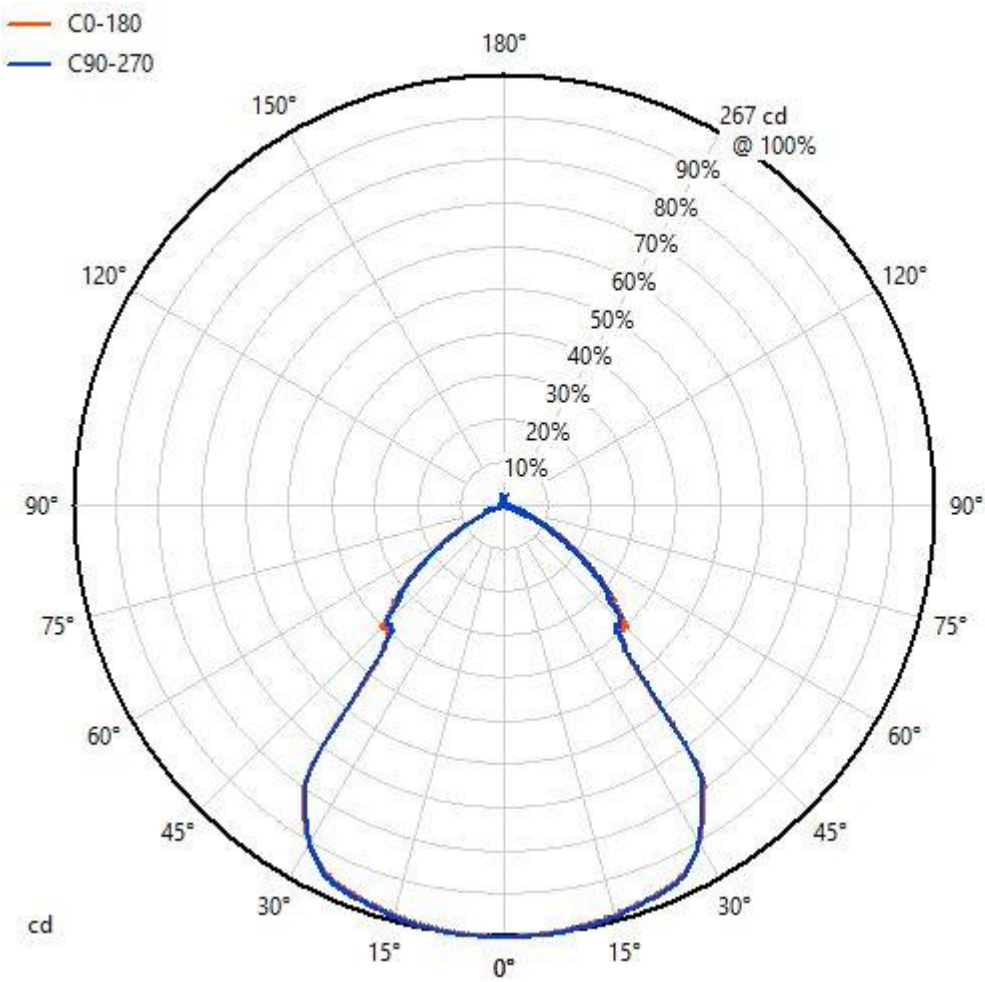
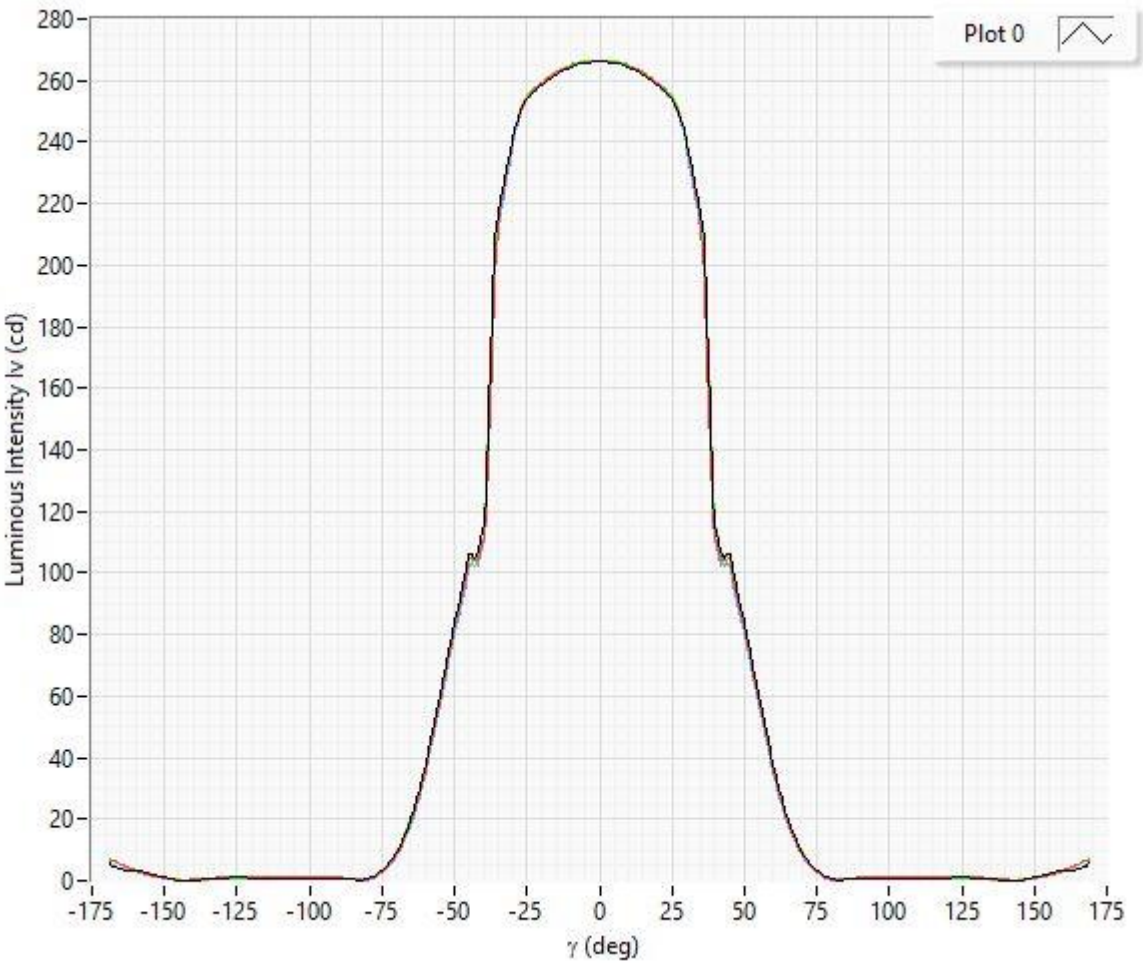


Figure. Luminous Intensity distribution in cartesian diagram at all measured C planes.



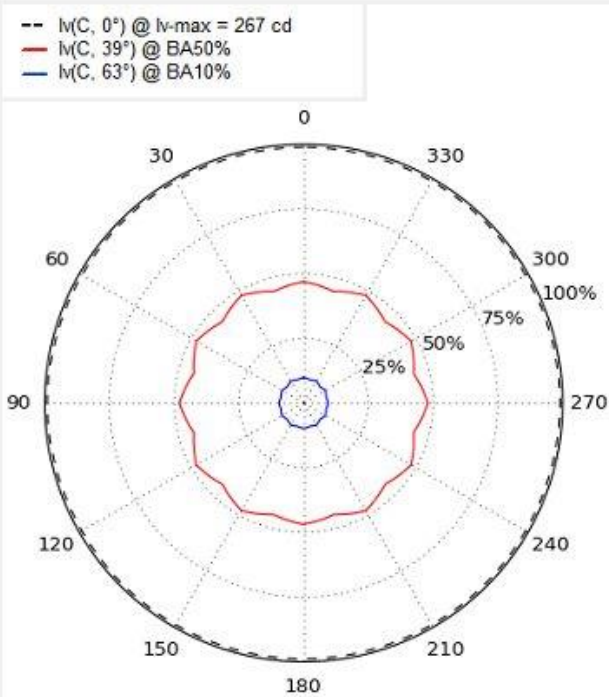


Table. Zonal lumen summary

	Lumens	Relative lumens (%)
0-20	102.00	20.56
0-30	219.40	44.22
0-40	338.80	68.29
0-60	466.00	93.93
0-80	488.80	98.53
0-90	489.50	98.67
10-90	462.87	93.30
20-40	236.80	47.73
20-50	312.70	63.03
40-70	146.60	29.55
40-90	150.70	30.38
60-80	22.80	4.60
60-90	23.50	4.74
70-80	3.40	0.69
80-90	0.70	0.14
90-110	1.90	0.38
90-120	2.90	0.58
90-130	3.70	0.75
90-150	4.40	0.89
90-180	6.60	1.33
110-180	4.70	0.95
0-180	496.10	100.00
	274.50	55.33

Table. Cumulative and Zonal luminous flux

gamma (deg)	Zone Flux (lm)	Sum Flux (lm)	Zone Flux (%)	Sum Flux (%)
0	0.01593	0.01593	0.003211	0.003211
0.5	0.1274	0.1433	0.02568	0.02889
1	0.2548	0.3982	0.05137	0.08026
1.5	0.3823	0.7804	0.07705	0.1573
2	0.5095	1.29	0.1027	0.26
2.5	0.6368	1.927	0.1284	0.3884
3	0.764	2.691	0.154	0.5424
3.5	0.891	3.582	0.1796	0.722
4	1.018	4.599	0.2052	0.9271
4.5	1.144	5.744	0.2307	1.158
5	1.271	7.015	0.2562	1.414
5.5	1.397	8.412	0.2817	1.696
6	1.523	9.935	0.307	2.003
6.5	1.649	11.58	0.3324	2.335
7	1.775	13.36	0.3578	2.693
7.5	1.9	15.26	0.383	3.076
8	2.025	17.28	0.4082	3.484
8.5	2.15	19.43	0.4333	3.917
9	2.274	21.71	0.4583	4.376
9.5	2.398	24.11	0.4834	4.859
10	2.521	26.63	0.5081	5.367
10.5	2.643	29.27	0.5328	5.9
11	2.766	32.04	0.5575	6.457
11.5	2.887	34.92	0.582	7.04
12	3.009	37.93	0.6065	7.646
12.5	3.13	41.06	0.6309	8.277
13	3.251	44.31	0.6553	8.932
13.5	3.369	47.68	0.6791	9.611
14	3.488	51.17	0.7031	10.31
14.5	3.606	54.78	0.727	11.04
15	3.725	58.5	0.7508	11.79
15.5	3.841	62.34	0.7742	12.57
16	3.956	66.3	0.7975	13.36
16.5	4.071	70.37	0.8206	14.18
17	4.185	74.55	0.8436	15.03
17.5	4.299	78.85	0.8665	15.89
18	4.411	83.26	0.8891	16.78
18.5	4.523	87.79	0.9117	17.7
19	4.635	92.42	0.9342	18.63
19.5	4.746	97.17	0.9567	19.59
20	4.855	102	0.9786	20.56
20.5	4.963	107	1	21.57
21	5.072	112.1	1.022	22.59

21.5	5.18	117.2	1.044	23.63
22	5.286	122.5	1.065	24.7
22.5	5.391	127.9	1.087	25.78
23	5.494	133.4	1.107	26.89
23.5	5.595	139	1.128	28.02
24	5.696	144.7	1.148	29.17
24.5	5.795	150.5	1.168	30.34
25	5.89	156.4	1.187	31.52
25.5	5.98	162.4	1.205	32.73
26	6.067	168.4	1.223	33.95
26.5	6.148	174.6	1.239	35.19
27	6.223	180.8	1.254	36.44
27.5	6.294	187.1	1.269	37.71
28	6.361	193.5	1.282	39
28.5	6.418	199.9	1.294	40.29
29	6.472	206.3	1.305	41.59
29.5	6.52	212.9	1.314	42.91
30	6.564	219.4	1.323	44.23
30.5	6.601	226	1.331	45.56
31	6.632	232.7	1.337	46.9
31.5	6.659	239.3	1.342	48.24
32	6.677	246	1.346	49.59
32.5	6.69	252.7	1.349	50.94
33	6.7	259.4	1.351	52.29
33.5	6.705	266.1	1.351	53.64
34	6.705	272.8	1.351	54.99
34.5	6.701	279.5	1.351	56.34
35	6.688	286.2	1.348	57.69
35.5	6.644	292.8	1.339	59.03
36	6.514	299.3	1.313	60.34
36.5	6.236	305.6	1.257	61.6
37	5.856	311.4	1.18	62.78
37.5	5.437	316.9	1.096	63.87
38	4.977	321.9	1.003	64.88
38.5	4.555	326.4	0.9181	65.79
39	4.278	330.7	0.8622	66.66
39.5	4.107	334.8	0.8279	67.48
40	4.001	338.8	0.8064	68.29
40.5	3.935	342.7	0.7933	69.08
41	3.887	346.6	0.7834	69.87
41.5	3.85	350.5	0.7761	70.64
42	3.822	354.3	0.7704	71.41
42.5	3.817	358.1	0.7694	72.18
43	3.849	362	0.7759	72.96
43.5	3.904	365.9	0.7869	73.75
44	3.956	369.8	0.7974	74.54
44.5	4	373.8	0.8063	75.35
45	4.008	377.8	0.8079	76.16
45.5	3.964	381.8	0.7991	76.96

46	3.894	385.7	0.785	77.74
46.5	3.808	389.5	0.7676	78.51
47	3.73	393.2	0.7519	79.26
47.5	3.683	396.9	0.7424	80
48	3.647	400.5	0.7351	80.74
48.5	3.613	404.2	0.7283	81.47
49	3.57	407.7	0.7196	82.19
49.5	3.518	411.2	0.709	82.9
50	3.455	414.7	0.6965	83.59
50.5	3.385	418.1	0.6823	84.27
51	3.309	421.4	0.6669	84.94
51.5	3.229	424.6	0.6509	85.59
52	3.144	427.8	0.6338	86.23
52.5	3.058	430.8	0.6165	86.84
53	2.97	433.8	0.5986	87.44
53.5	2.881	436.7	0.5808	88.02
54	2.791	439.5	0.5627	88.58
54.5	2.703	442.2	0.5448	89.13
55	2.612	444.8	0.5266	89.66
55.5	2.523	447.3	0.5087	90.17
56	2.434	449.7	0.4906	90.66
56.5	2.345	452.1	0.4727	91.13
57	2.255	454.3	0.4546	91.58
57.5	2.166	456.5	0.4366	92.02
58	2.076	458.6	0.4185	92.44
58.5	1.99	460.6	0.4012	92.84
59	1.9	462.5	0.383	93.22
59.5	1.814	464.3	0.3656	93.59
60	1.727	466	0.3481	93.94
60.5	1.642	467.7	0.331	94.27
61	1.556	469.2	0.3137	94.58
61.5	1.474	470.7	0.2972	94.88
62	1.392	472.1	0.2805	95.16
62.5	1.313	473.4	0.2647	95.42
63	1.234	474.6	0.2487	95.67
63.5	1.158	475.8	0.2335	95.91
64	1.084	476.9	0.2185	96.12
64.5	1.014	477.9	0.2044	96.33
65	0.945	478.8	0.1905	96.52
65.5	0.8812	479.7	0.1776	96.7
66	0.8198	480.5	0.1652	96.86
66.5	0.7646	481.3	0.1541	97.02
67	0.7111	482	0.1433	97.16
67.5	0.6635	482.7	0.1337	97.29
68	0.6185	483.3	0.1247	97.42
68.5	0.5775	483.9	0.1164	97.53
69	0.5359	484.4	0.108	97.64
69.5	0.4958	484.9	0.09994	97.74
70	0.4565	485.4	0.09201	97.83

70.5	0.4179	485.8	0.08424	97.92
71	0.3792	486.2	0.07644	97.99
71.5	0.3435	486.5	0.06924	98.06
72	0.3089	486.8	0.06226	98.13
72.5	0.2773	487.1	0.0559	98.18
73	0.2477	487.3	0.04992	98.23
73.5	0.2214	487.5	0.04463	98.28
74	0.1965	487.7	0.03962	98.32
74.5	0.1746	487.9	0.03519	98.35
75	0.1543	488.1	0.0311	98.38
75.5	0.1361	488.2	0.02742	98.41
76	0.1188	488.3	0.02394	98.43
76.5	0.1038	488.4	0.02092	98.45
77	0.08922	488.5	0.01799	98.47
77.5	0.07635	488.6	0.01539	98.49
78	0.06395	488.7	0.01289	98.5
78.5	0.05295	488.7	0.01067	98.51
79	0.0426	488.8	0.008588	98.52
79.5	0.03337	488.8	0.006726	98.53
80	0.02494	488.8	0.005027	98.53
80.5	0.01771	488.8	0.00357	98.54
81	0.01346	488.8	0.002713	98.54
81.5	0.01307	488.9	0.002635	98.54
82	0.01466	488.9	0.002955	98.54
82.5	0.01748	488.9	0.003523	98.55
83	0.02196	488.9	0.004427	98.55
83.5	0.02762	488.9	0.005567	98.56
84	0.03262	489	0.006576	98.56
84.5	0.03543	489	0.007141	98.57
85	0.03738	489	0.007536	98.58
85.5	0.03894	489.1	0.007849	98.59
86	0.0396	489.1	0.007981	98.59
86.5	0.04053	489.2	0.008171	98.6
87	0.04184	489.2	0.008433	98.61
87.5	0.04307	489.3	0.008682	98.62
88	0.04451	489.3	0.008972	98.63
88.5	0.04588	489.3	0.009249	98.64
89	0.04757	489.4	0.009588	98.65
89.5	0.04913	489.4	0.009903	98.66
90	0.05024	489.5	0.01013	98.67
90.5	0.05086	489.5	0.01025	98.68
91	0.05131	489.6	0.01034	98.69
91.5	0.05167	489.6	0.01042	98.7
92	0.05171	489.7	0.01042	98.71
92.5	0.0515	489.7	0.01038	98.72
93	0.05117	489.8	0.01031	98.73
93.5	0.05074	489.8	0.01023	98.74
94	0.05026	489.9	0.01013	98.75
94.5	0.04994	489.9	0.01007	98.76

95	0.04955	490	0.009989	98.77
95.5	0.04935	490	0.009947	98.78
96	0.04917	490.1	0.009912	98.79
96.5	0.04914	490.1	0.009905	98.8
97	0.04907	490.2	0.009892	98.81
97.5	0.049	490.2	0.009878	98.82
98	0.04888	490.3	0.009854	98.83
98.5	0.04876	490.3	0.009828	98.84
99	0.04862	490.4	0.009801	98.85
99.5	0.04846	490.4	0.009768	98.86
100	0.04819	490.5	0.009713	98.87
100.5	0.04808	490.5	0.009691	98.88
101	0.04797	490.6	0.009669	98.89
101.5	0.04794	490.6	0.009662	98.9
102	0.04768	490.7	0.00961	98.91
102.5	0.04745	490.7	0.009564	98.92
103	0.0472	490.8	0.009515	98.93
103.5	0.04694	490.8	0.009463	98.94
104	0.04676	490.9	0.009426	98.95
104.5	0.04665	490.9	0.009404	98.95
105	0.04687	491	0.009447	98.96
105.5	0.04724	491	0.009523	98.97
106	0.04755	491.1	0.009586	98.98
106.5	0.04779	491.1	0.009633	98.99
107	0.04803	491.2	0.009681	99
107.5	0.04831	491.2	0.009738	99.01
108	0.04841	491.2	0.009759	99.02
108.5	0.04851	491.3	0.009779	99.03
109	0.0488	491.3	0.009836	99.04
109.5	0.04898	491.4	0.009872	99.05
110	0.04917	491.4	0.009912	99.06
110.5	0.04922	491.5	0.009922	99.07
111	0.04913	491.5	0.009903	99.08
111.5	0.04891	491.6	0.009859	99.09
112	0.04862	491.6	0.0098	99.1
112.5	0.04825	491.7	0.009725	99.11
113	0.04788	491.7	0.009652	99.12
113.5	0.0475	491.8	0.009575	99.13
114	0.04739	491.8	0.009552	99.14
114.5	0.04741	491.9	0.009557	99.15
115	0.04743	491.9	0.009561	99.16
115.5	0.0474	492	0.009554	99.17
116	0.04735	492	0.009545	99.18
116.5	0.04727	492.1	0.009527	99.19
117	0.0471	492.1	0.009494	99.2
117.5	0.04693	492.2	0.00946	99.21
118	0.04682	492.2	0.009438	99.22
118.5	0.04665	492.3	0.009404	99.22
119	0.0465	492.3	0.009373	99.23

119.5	0.04633	492.3	0.009338	99.24
120	0.04624	492.4	0.00932	99.25
120.5	0.04605	492.4	0.009283	99.26
121	0.04591	492.5	0.009254	99.27
121.5	0.04566	492.5	0.009204	99.28
122	0.04532	492.6	0.009135	99.29
122.5	0.04515	492.6	0.009102	99.3
123	0.04495	492.7	0.009061	99.31
123.5	0.04478	492.7	0.009027	99.32
124	0.04447	492.8	0.008964	99.33
124.5	0.04404	492.8	0.008877	99.33
125	0.04363	492.8	0.008795	99.34
125.5	0.04318	492.9	0.008705	99.35
126	0.04246	492.9	0.008559	99.36
126.5	0.04168	493	0.008402	99.37
127	0.04078	493	0.008221	99.38
127.5	0.03988	493.1	0.00804	99.39
128	0.03901	493.1	0.007863	99.39
128.5	0.03806	493.1	0.007672	99.4
129	0.03701	493.2	0.00746	99.41
129.5	0.03601	493.2	0.007258	99.42
130	0.03496	493.2	0.007047	99.42
130.5	0.03389	493.3	0.006832	99.43
131	0.03279	493.3	0.00661	99.44
131.5	0.03166	493.3	0.006382	99.44
132	0.0304	493.4	0.006127	99.45
132.5	0.02919	493.4	0.005883	99.45
133	0.02788	493.4	0.005619	99.46
133.5	0.02652	493.4	0.005346	99.47
134	0.02522	493.5	0.005084	99.47
134.5	0.02404	493.5	0.004846	99.48
135	0.0228	493.5	0.004596	99.48
135.5	0.02153	493.5	0.004341	99.48
136	0.02015	493.6	0.004062	99.49
136.5	0.01873	493.6	0.003776	99.49
137	0.01719	493.6	0.003465	99.5
137.5	0.01569	493.6	0.003162	99.5
138	0.01418	493.6	0.002859	99.5
138.5	0.01279	493.6	0.002578	99.5
139	0.01142	493.7	0.002303	99.51
139.5	0.01016	493.7	0.002048	99.51
140	0.008874	493.7	0.001789	99.51
140.5	0.007958	493.7	0.001604	99.51
141	0.00702	493.7	0.001415	99.51
141.5	0.006323	493.7	0.001275	99.51
142	0.005732	493.7	0.001155	99.52
142.5	0.005414	493.7	0.001091	99.52
143	0.005464	493.7	0.001101	99.52
143.5	0.00588	493.7	0.001185	99.52

144	0.006197	493.7	0.001249	99.52
144.5	0.006892	493.7	0.001389	99.52
145	0.007702	493.7	0.001553	99.52
145.5	0.008713	493.7	0.001756	99.53
146	0.009777	493.8	0.001971	99.53
146.5	0.01095	493.8	0.002207	99.53
147	0.01253	493.8	0.002526	99.53
147.5	0.01432	493.8	0.002887	99.53
148	0.01611	493.8	0.003248	99.54
148.5	0.01786	493.8	0.0036	99.54
149	0.01964	493.8	0.003959	99.55
149.5	0.02149	493.9	0.004332	99.55
150	0.02335	493.9	0.004706	99.55
150.5	0.02523	493.9	0.005086	99.56
151	0.0273	493.9	0.005503	99.57
151.5	0.02947	494	0.00594	99.57
152	0.03165	494	0.00638	99.58
152.5	0.03393	494	0.006839	99.58
153	0.03618	494.1	0.007292	99.59
153.5	0.03842	494.1	0.007744	99.6
154	0.04057	494.2	0.008177	99.61
154.5	0.04262	494.2	0.00859	99.62
155	0.04466	494.2	0.009001	99.63
155.5	0.0467	494.3	0.009414	99.63
156	0.04858	494.3	0.009793	99.64
156.5	0.05025	494.4	0.01013	99.65
157	0.05203	494.4	0.01049	99.67
157.5	0.05376	494.5	0.01084	99.68
158	0.05543	494.5	0.01117	99.69
158.5	0.05698	494.6	0.01148	99.7
159	0.05868	494.7	0.01183	99.71
159.5	0.06027	494.7	0.01215	99.72
160	0.06168	494.8	0.01243	99.73
160.5	0.0629	494.8	0.01268	99.75
161	0.06401	494.9	0.0129	99.76
161.5	0.06498	495	0.0131	99.77
162	0.06574	495	0.01325	99.79
162.5	0.06624	495.1	0.01335	99.8
163	0.06675	495.2	0.01346	99.81
163.5	0.06731	495.2	0.01357	99.83
164	0.06776	495.3	0.01366	99.84
164.5	0.06811	495.4	0.01373	99.85
165	0.06843	495.4	0.01379	99.87
165.5	0.06867	495.5	0.01384	99.88
166	0.06884	495.6	0.01388	99.9
166.5	0.06884	495.7	0.01388	99.91
167	0.06896	495.7	0.0139	99.92
167.5	0.06914	495.8	0.01394	99.94
168	0.06912	495.9	0.01393	99.95

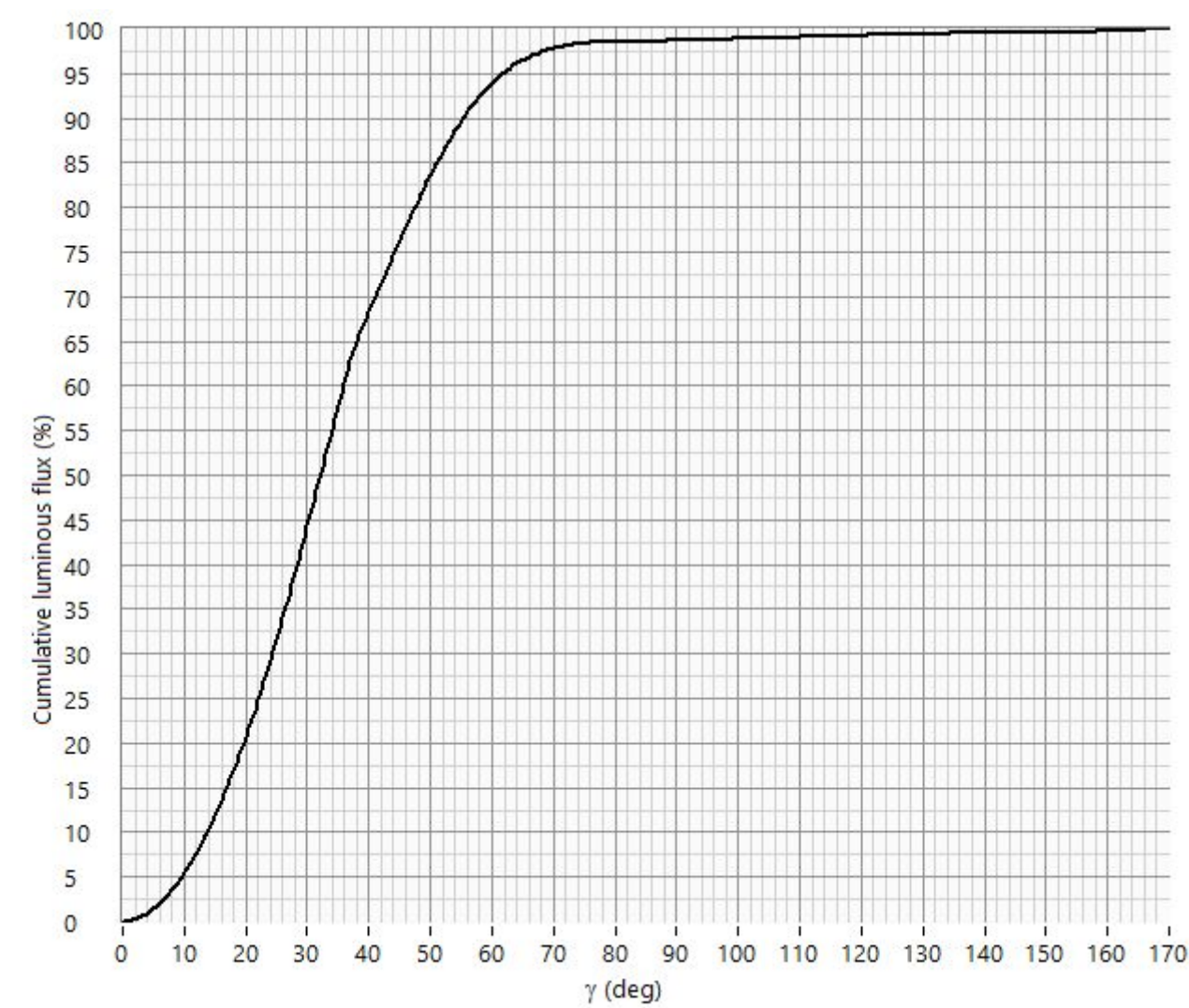
Report time: 2.5.2025 14.13
Report No.: DECO50-250015

Manufacturer: Secto Design

Item No.: Victo small 4251

168.5	0.06887	495.9	0.01388	99.97
169	0.06846	496	0.0138	99.98
169.5	0.06789	496.1	0.01368	99.99
170	0.03385	496.1	0.006822	100

Figure. Cumulative luminous flux



Söllner diagram (EN 12464) - Luminance

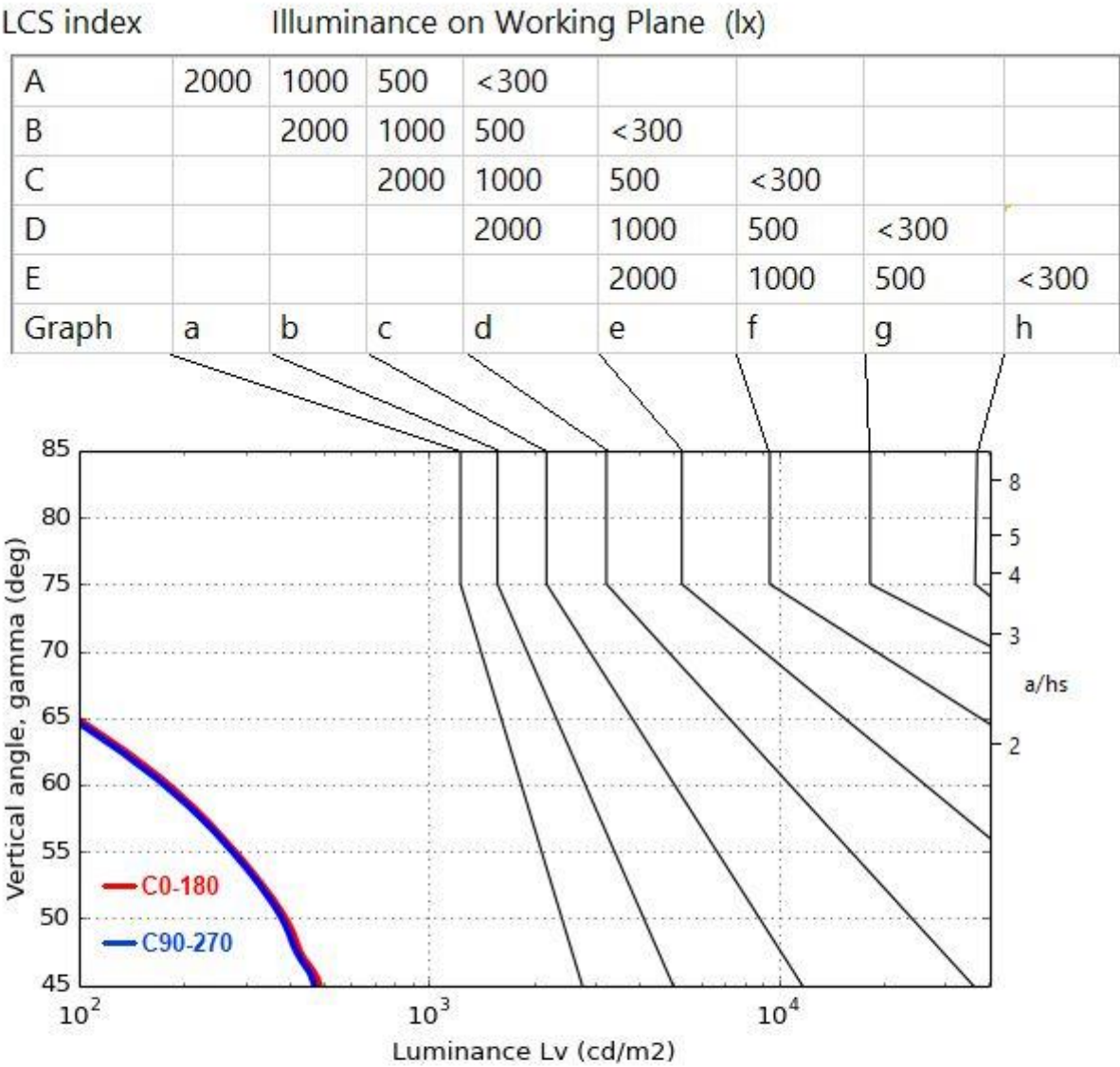


Table. Luminance [Lv] = cd/m2

	C 0	C 45	C 90
γ 0	1752	1752	1752
γ 45	489	473	472
γ 55	280	265	275
γ 65	98	88	95
γ 75	18	14	15
γ 85	2	3	5

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	6.1	5.2	6.4	6.8	5.0	5.9	5.0	6.3	6.6
	3H	5.0	6.1	5.3	6.4	6.8	5.0	5.9	5.2	6.3	6.7
	4H	5.0	5.9	5.3	6.3	6.7	5.0	5.8	5.1	6.2	6.6
	6H	5.0	5.8	5.2	6.2	6.6	5.0	5.6	5.1	6.0	6.4
	8H	5.0	5.7	5.2	6.1	6.5	5.0	5.5	5.1	5.9	6.4
4H	12H	5.0	5.6	5.2	6.0	6.5	5.0	5.4	5.0	5.8	6.3
	2H	5.0	5.8	5.2	6.2	6.6	5.0	5.7	5.0	6.0	6.5
	3H	5.0	5.8	5.4	6.2	6.7	5.0	5.7	5.2	6.1	6.5
	4H	5.0	5.6	5.3	6.1	6.6	5.0	5.5	5.2	5.9	6.4
	6H	5.0	5.5	5.3	5.9	6.4	5.0	5.3	5.1	5.8	6.3
8H	8H	5.0	5.4	5.2	5.8	6.3	5.0	5.2	5.1	5.7	6.2
	12H	5.0	5.2	5.2	5.8	6.3	5.0	5.1	5.1	5.6	6.1
	4H	5.0	5.4	5.3	5.8	6.4	5.0	5.2	5.1	5.7	6.2
	6H	5.0	5.2	5.2	5.7	6.2	5.0	5.0	5.0	5.5	6.1
	8H	5.0	5.1	5.2	5.6	6.1	5.0	5.0	5.0	5.4	6.0
12H	12H	5.0	5.0	5.1	5.5	6.1	5.0	5.0	5.0	5.3	5.9
	4H	5.0	5.3	5.2	5.8	6.3	5.0	5.1	5.1	5.6	6.1
	6H	5.0	5.1	5.2	5.6	6.1	5.0	5.0	5.0	5.4	6.0
	8H	5.0	5.0	5.1	5.5	6.1	5.0	5.0	5.0	5.3	5.9

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

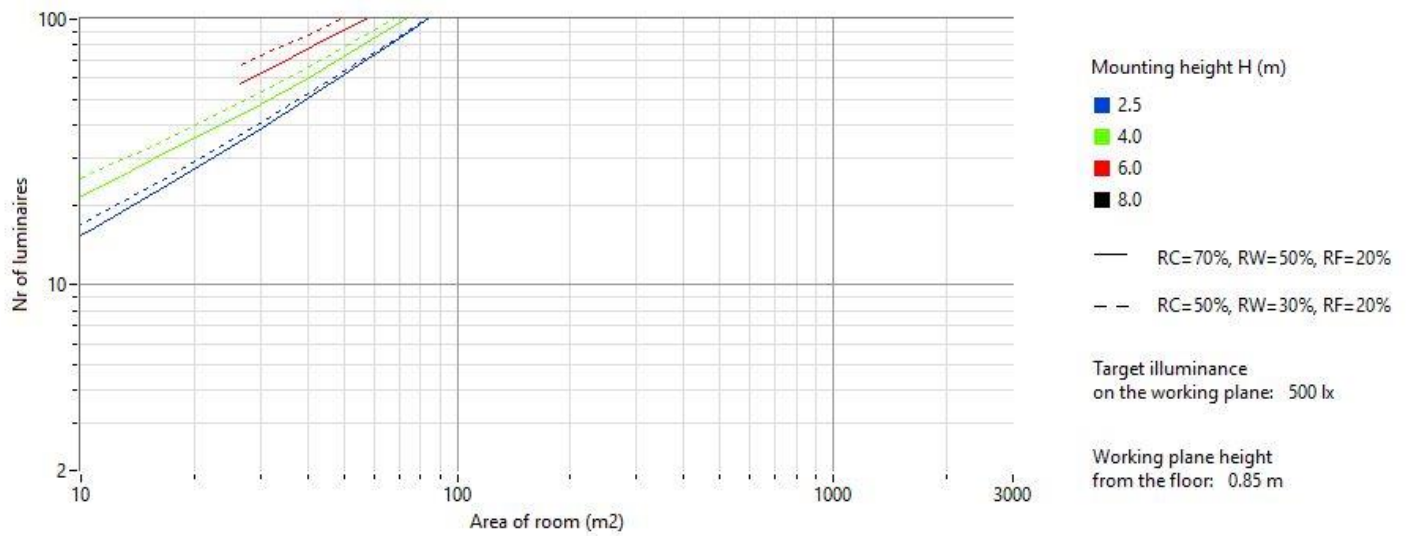


Table. Coefficient of Utilization (CU).

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101
1	89	87	85	83	91	88	86	84	92	90	88	94	93	91	97	96	94
2	87	82	78	75	88	83	79	76	85	82	79	87	84	81	88	86	83
3	84	77	72	68	84	78	73	69	79	74	70	80	76	72	81	77	74
4	80	72	66	61	80	72	66	62	73	67	63	73	68	65	74	69	66
5	76	67	60	56	75	67	61	56	67	61	57	67	62	58	67	63	59
6	72	62	55	50	71	62	56	51	62	56	52	62	56	52	62	57	53
7	68	58	51	46	67	57	51	46	57	51	47	57	52	47	57	52	48
8	64	54	47	42	64	53	47	42	53	47	43	53	47	43	53	48	44
9	61	50	43	39	60	50	43	39	50	43	39	49	44	40	49	44	40
10	58	47	40	36	57	47	40	36	46	40	36	46	40	36	46	40	37

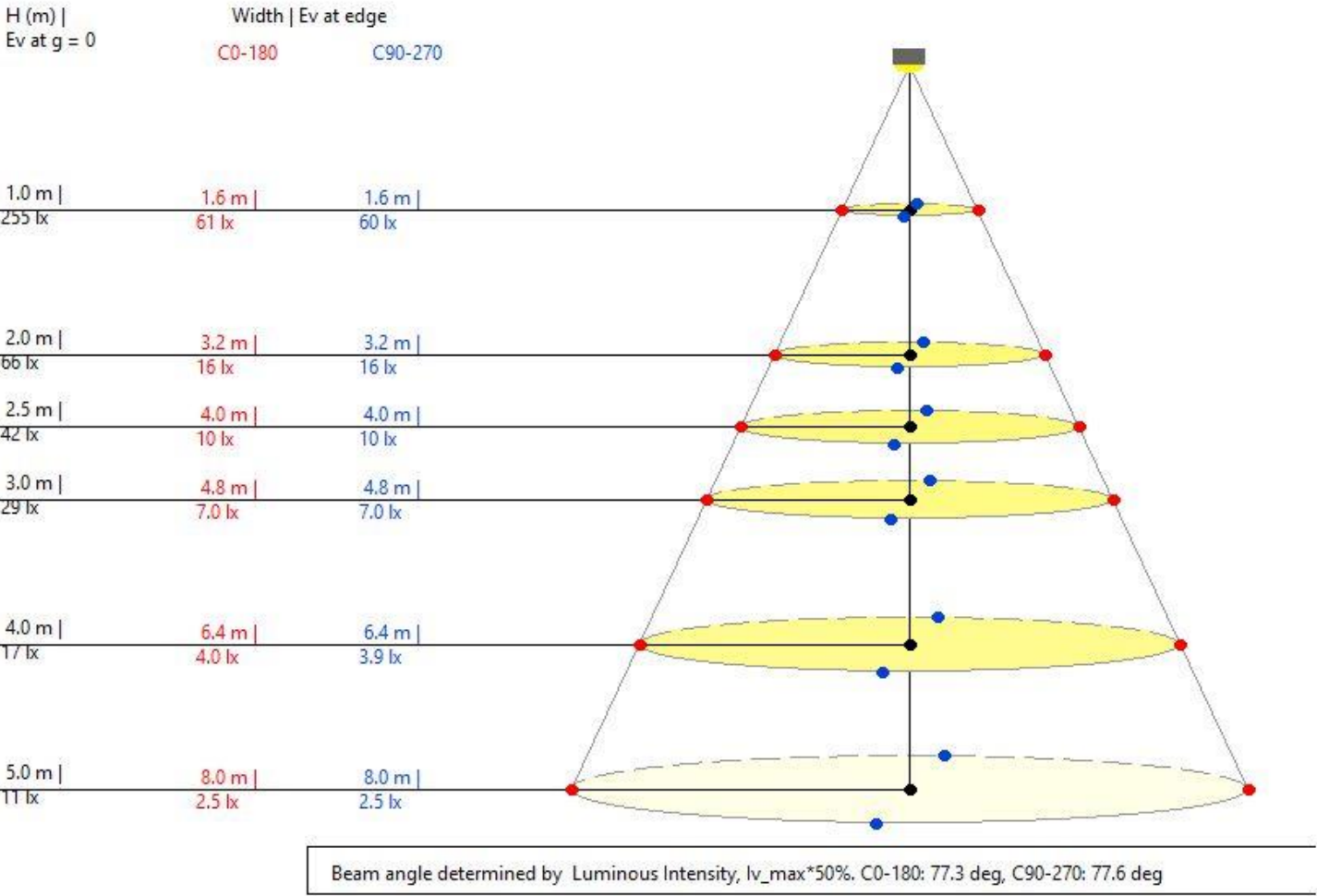
Table. Wall Exitance Coefficients (WEC).

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	33.5	22.6	12.9	4.1	32.3	21.9	12.5	4.0	20.5	11.8	3.8	19.2	11.1	3.6	18.0	10.4	3.4
2	34.1	22.1	12.2	3.7	33.0	21.5	11.9	3.7	20.3	11.3	3.5	19.2	10.8	3.4	18.1	10.2	3.2
3	33.9	21.2	11.3	3.4	32.8	20.7	11.1	3.3	19.6	10.6	3.2	18.6	10.2	3.1	17.6	9.8	3.0
4	33.3	20.2	10.5	3.1	32.2	19.7	10.3	3.1	18.8	10.0	3.0	17.9	9.6	2.9	17.0	9.2	2.8
5	32.5	19.2	9.8	2.9	31.4	18.7	9.7	2.8	17.9	9.3	2.8	17.1	9.0	2.7	16.3	8.7	2.6
6	31.5	18.2	9.2	2.6	30.5	17.8	9.0	2.6	17.0	8.8	2.6	16.3	8.5	2.5	15.5	8.2	2.4
7	30.6	17.3	8.6	2.5	29.6	16.9	8.5	2.4	16.2	8.2	2.4	15.5	8.0	2.3	14.9	7.7	2.3
8	29.6	16.4	8.1	2.3	28.6	16.1	8.0	2.3	15.4	7.8	2.2	14.8	7.5	2.2	14.2	7.3	2.1
9	28.6	15.6	7.6	2.2	27.7	15.3	7.5	2.1	14.7	7.3	2.1	14.1	7.1	2.0	13.6	6.9	2.0
10	27.6	14.9	7.2	2.0	26.8	14.6	7.1	2.0	14.1	6.9	2.0	13.5	6.7	1.9	13.0	6.5	1.9

Table. Ceiling Cavity Exitance Coefficients (CCEC).

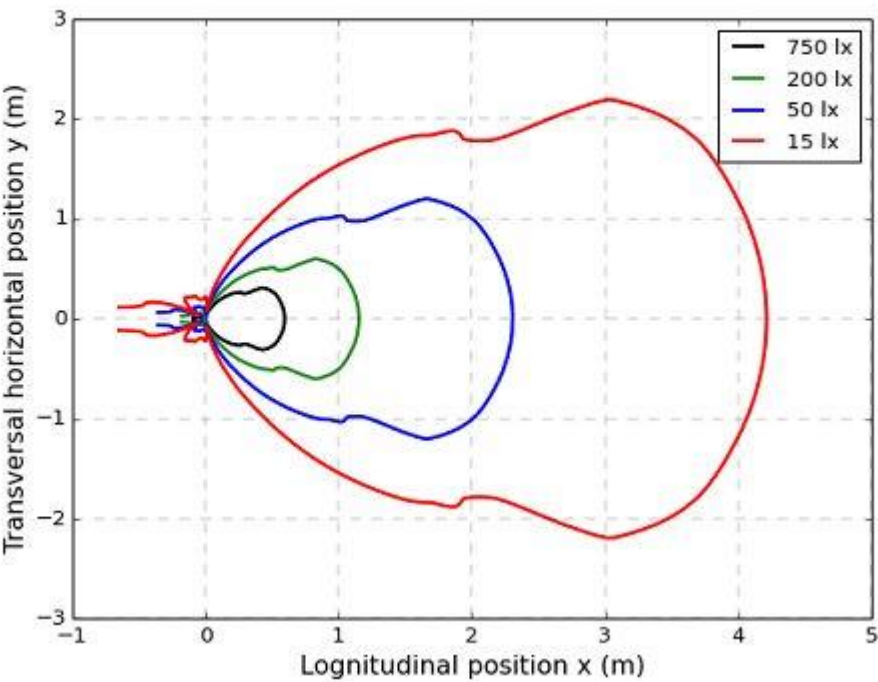
RC	80				70				50			30			10		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RF / RCR	20				20				20			20			20		
1	31.4	28.7	26.3	24.1	20.2	18.3	16.7	15.1	10.7	9.7	8.9	6.0	5.5	5.0	1.9	1.7	1.6
2	31.5	26.5	22.3	18.8	20.5	17.0	14.1	11.6	10.0	8.3	6.8	5.6	4.7	3.9	1.8	1.5	1.3
3	31.3	24.5	19.2	14.9	20.6	15.8	12.1	9.0	9.4	7.1	5.3	5.3	4.1	3.0	1.7	1.3	1.0
4	30.9	22.7	16.6	12.0	20.6	14.8	10.5	7.1	8.9	6.3	4.2	5.0	3.6	2.4	1.6	1.2	0.8
5	30.4	21.0	14.5	9.6	20.5	13.9	9.2	5.7	8.4	5.5	3.4	4.8	3.2	2.0	1.5	1.0	0.7
6	29.6	19.5	12.7	7.8	20.2	13.0	8.1	4.5	8.0	5.0	2.7	4.5	2.9	1.6	1.5	1.0	0.5
7	28.8	18.1	11.2	6.3	19.8	12.2	7.2	3.7	7.6	4.5	2.2	4.3	2.6	1.4	1.4	0.9	0.5
8	27.9	16.8	9.8	5.1	19.3	11.5	6.4	2.9	7.2	4.1	1.9	4.1	2.4	1.2	1.3	0.8	0.4
9	26.9	15.6	8.7	4.0	18.8	10.8	5.8	2.3	6.8	3.7	1.6	4.0	2.2	1.0	1.3	0.7	0.3
10	25.9	14.5	7.7	3.2	18.3	10.2	5.2	1.9	6.5	3.4	1.3	3.8	2.1	0.9	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

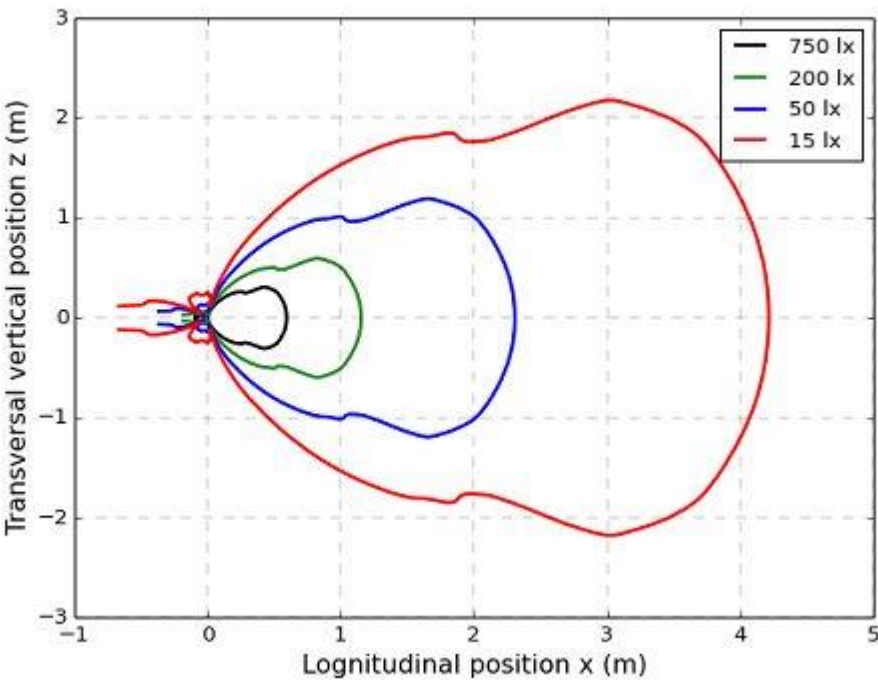


LOGNITUDINAL ISOLUX CURVES

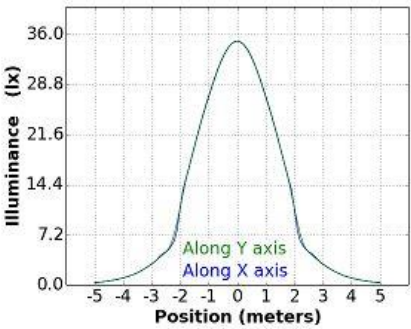
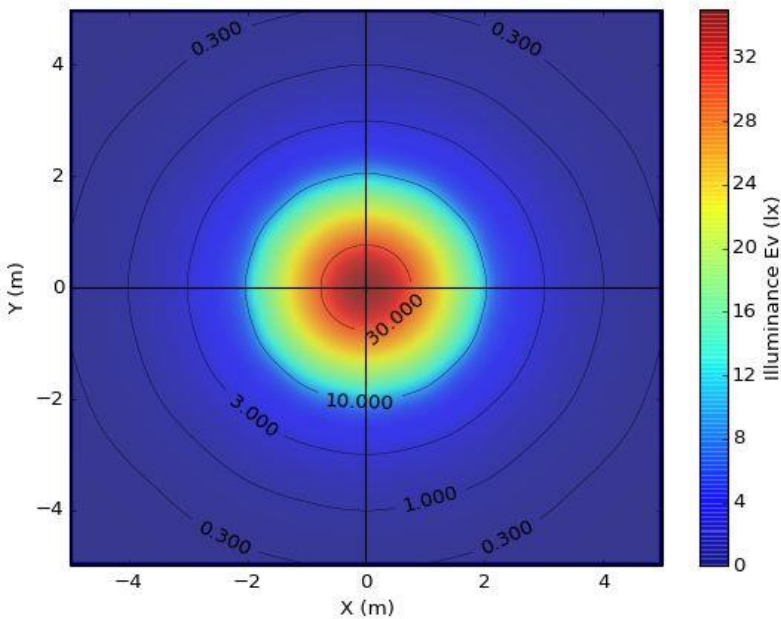
Horizontal



Vertical

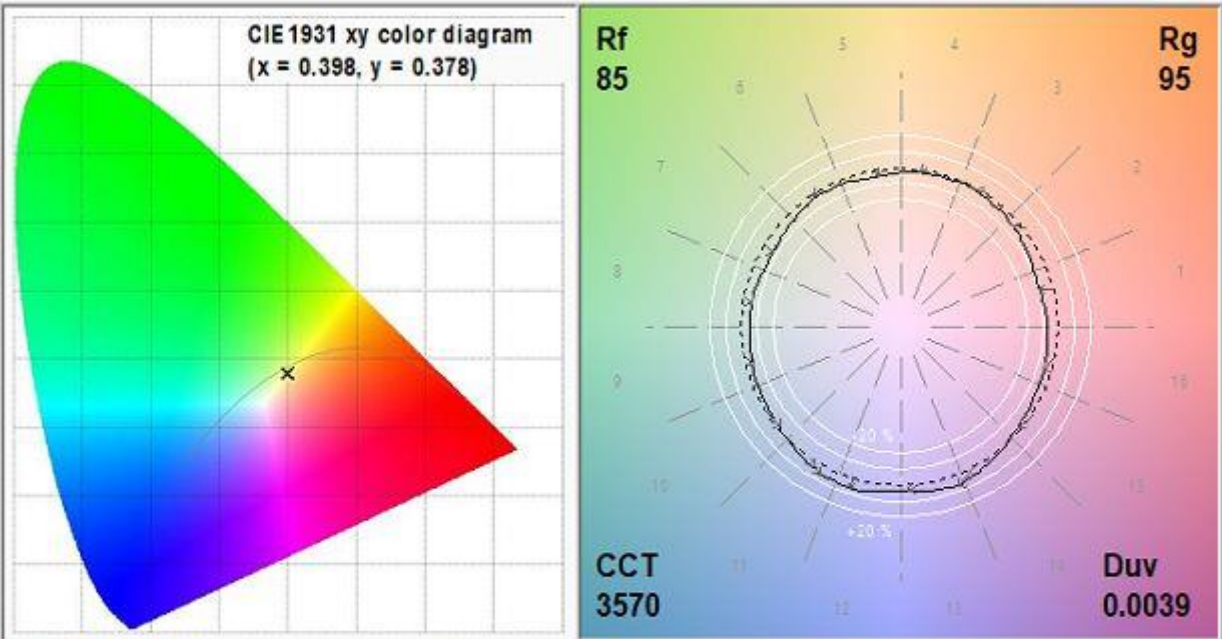


Illumination uniformity figures at the perpendicular plane to the lamp axis.
Mounting height of 2.50 m.
Lamp center position $x = 0.0$ m, $y = 0.0$ m.
C rotation of 0.0 deg. Gamma rotation of 0.0 deg.
Maintenance factor = 0.80.
Nr of lamps: X = 1 pcs, Y = 1 pcs.
Distance between lamps: X = 0.00 meters, Y = 0.00 meters.

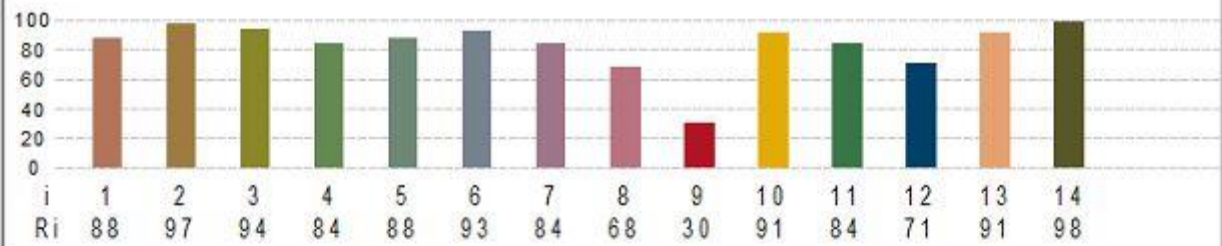


Average Ev:	4.14 lx
Uniformity:	1.07 %
Max Ev:	35 lx
Min Ev:	0.0442 lx
Power Consumption:	7.9 W

GonioSpectroRadiometric Test Report



Ra (R1-R8) = 87 Special color rendition index CRI Ri 1-14



Fidelity indices Rf of the 16 hue bins

