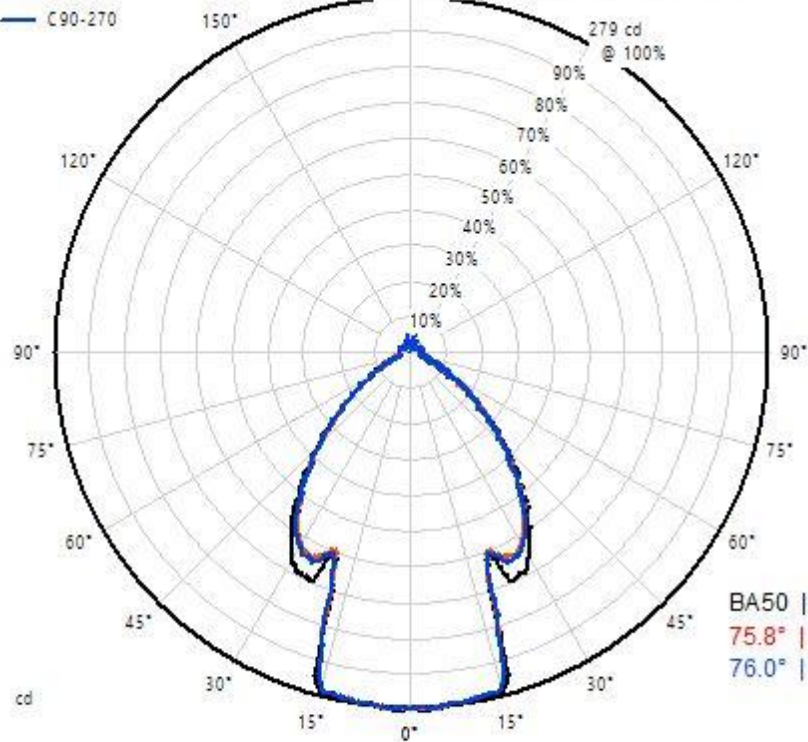


— Max Iv at C15-195
— C0-180
— C90-270

Goniophotometric Test Report



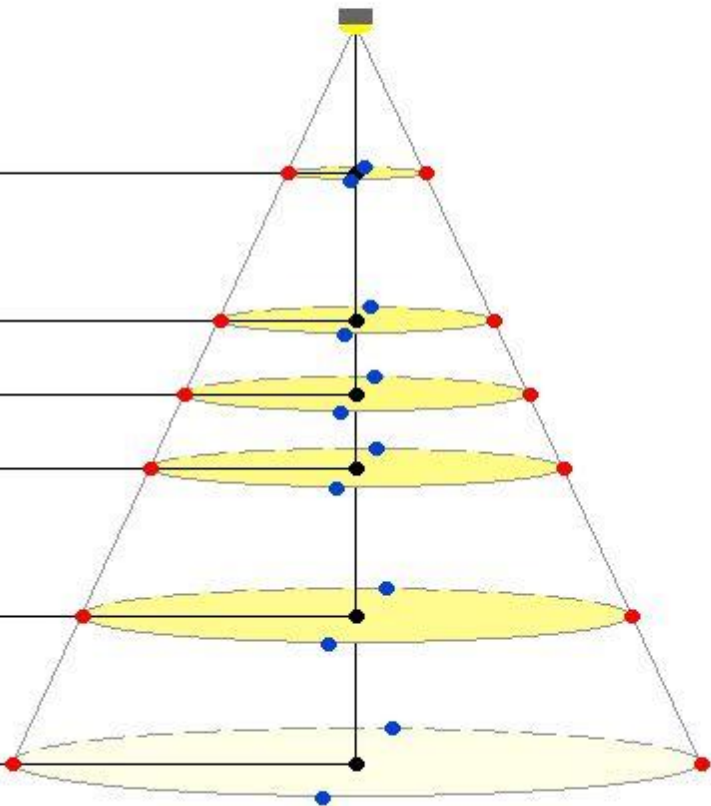
Phi = 499 lm
LPW = 61.6 lm/W
DWFF = 90.3 %
Iv(g=0) = 276.8 cd

BA50 | BA10
75.8° | 125.7°
76.0° | 125.2°

Pin = 8.073 W
PF = 0.9316
Vin = 230.4 V
If = 0.0380 A

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

1.0 m	1.6 m	1.6 m
266 Iv	65 Iv	65 Iv
2.0 m	3.1 m	3.1 m
60 Iv	17 Iv	17 Iv
2.5 m	3.9 m	3.9 m
44 Iv	11 Iv	11 Iv
3.0 m	4.7 m	4.7 m
31 Iv	7.6 Iv	7.6 Iv
4.0 m	6.2 m	6.3 m
17 Iv	4.2 Iv	4.2 Iv
5.0 m	7.8 m	7.8 m
11 Iv	2.7 Iv	2.7 Iv



Beam angle determined by Luminous Intensity, Iv max*50%. C0-180: 75.8 de

Table. Measurement results of the main luminous parameters

Luminous flux	Input power	Luminous efficacy	LOR	DWFF	Luminous intensity (g=0)
499 lm	8.1 W	61.6 lm/W	100.0 %	90.3 %	276.8 cd

Table. Electrical parameters during the light measurements.

	Pin	PF	Vin	If
Value	8.073 W	0.9316	230.4 V	0.0380 A
St.dev.	0.01 %	0.06 %	0.04 %	0.00 %

Table. Maximum Luminous Intensity and its direction

Iv	g	C plane
279 cd	2.5°	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	75.8°	125.7°	0.0°
C90-270	76.0°	125.2°	-0.0°

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

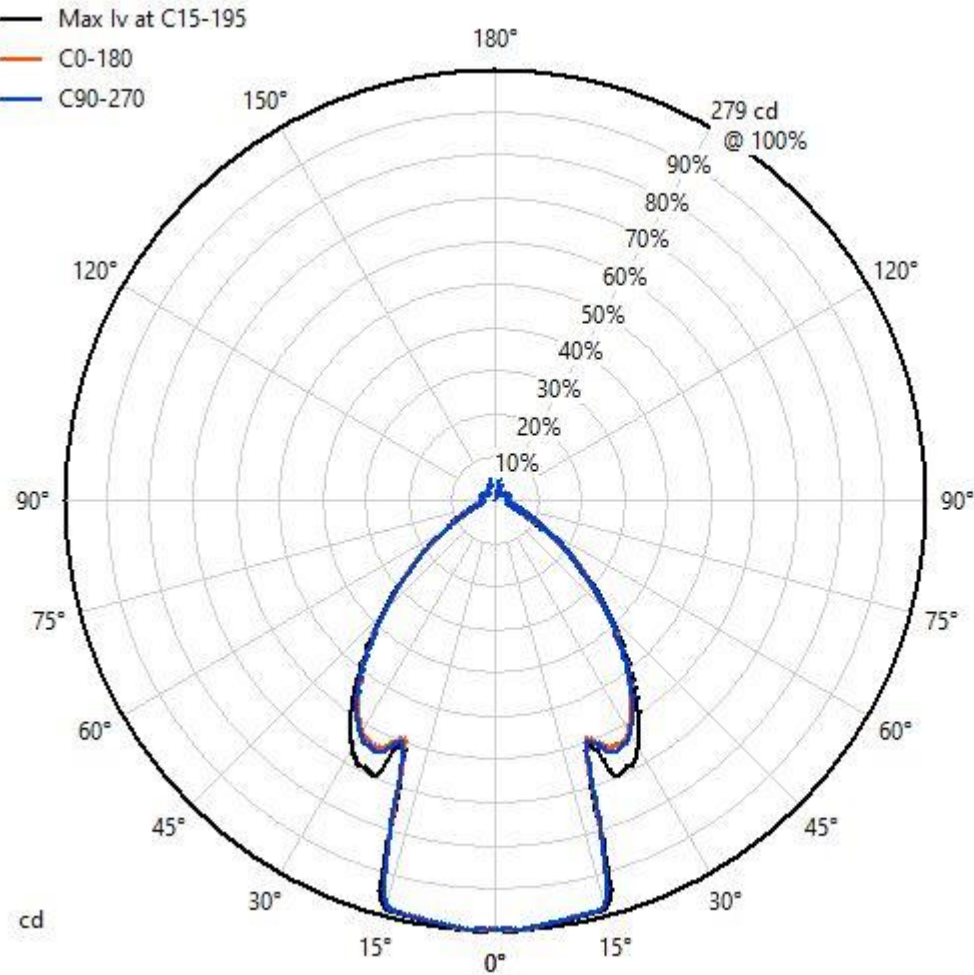
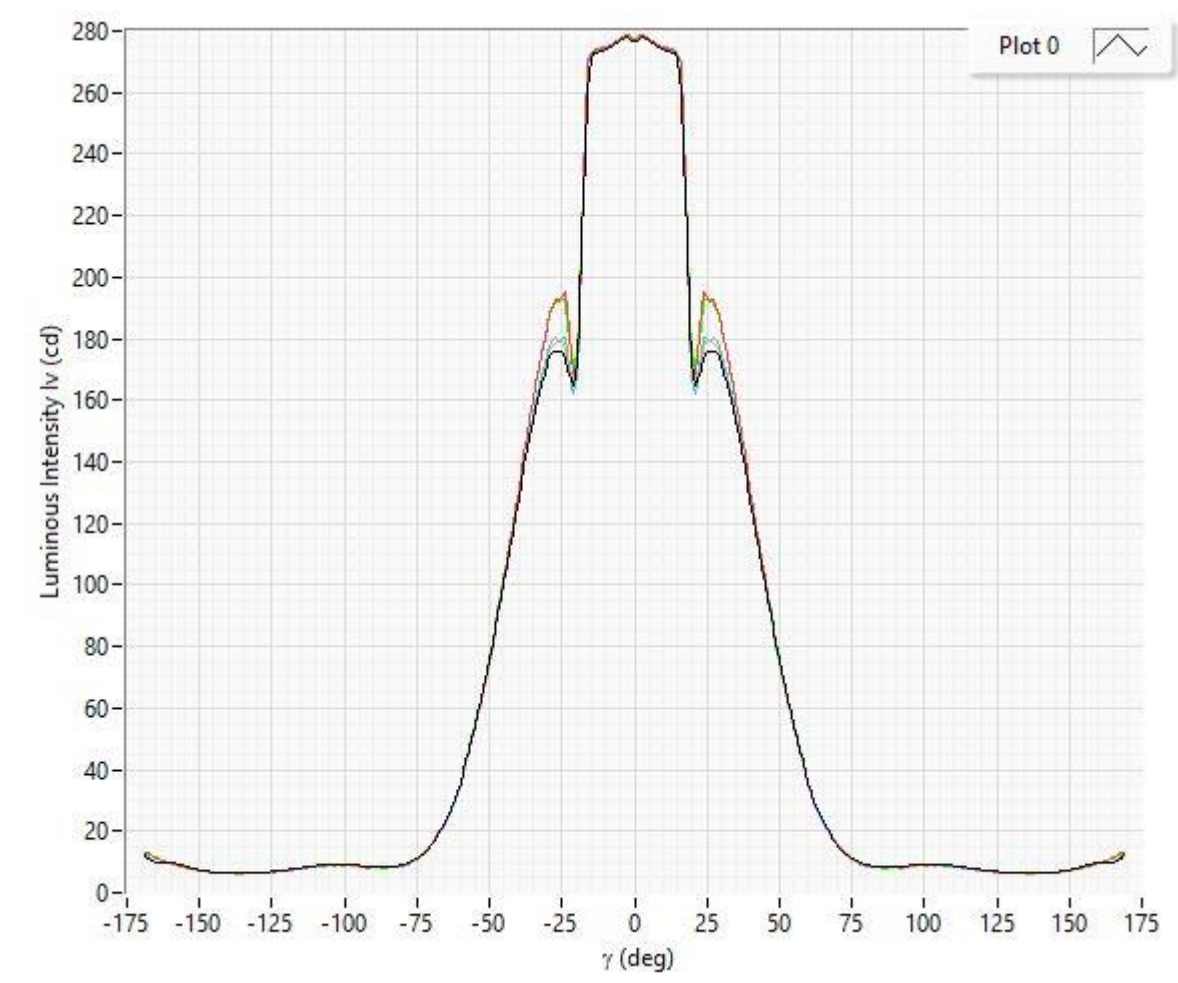


Figure. Luminous Intensity distribution in cartesian diagram at all measured C planes.



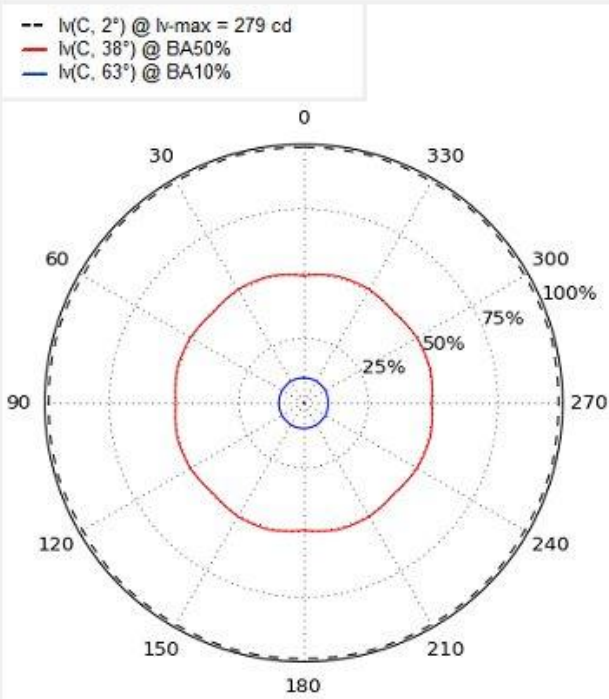


Table. Zonal lumen summary

	Lumens	Relative lumens (%)
0-20	97.34	19.51
0-30	182.90	36.65
0-40	280.60	56.23
0-60	406.10	81.38
0-80	441.30	88.44
0-90	450.40	90.26
10-90	422.73	84.72
20-40	183.26	36.73
20-50	260.86	52.28
40-70	148.70	29.80
40-90	169.80	34.03
60-80	35.20	7.05
60-90	44.30	8.88
70-80	12.00	2.40
80-90	9.10	1.82
90-110	18.80	3.77
90-120	26.70	5.35
90-130	32.80	6.57
90-150	41.80	8.38
90-180	48.60	9.74
110-180	29.80	5.97
0-180	499.00	100.00
	309.30	61.98

Table. Cumulative and Zonal luminous flux

gamma (deg)	Zone Flux (lm)	Sum Flux (lm)	Zone Flux (%)	Sum Flux (%)
0	0.01656	0.01656	0.003318	0.003318
0.5	0.1325	0.149	0.02655	0.02987
1	0.2652	0.4142	0.05314	0.08301
1.5	0.3984	0.8126	0.07983	0.1628
2	0.5317	1.344	0.1066	0.2694
2.5	0.6651	2.009	0.1333	0.4027
3	0.7979	2.807	0.1599	0.5626
3.5	0.9303	3.738	0.1864	0.749
4	1.062	4.8	0.2129	0.9619
4.5	1.193	5.993	0.2392	1.201
5	1.324	7.318	0.2654	1.466
5.5	1.454	8.772	0.2914	1.758
6	1.584	10.36	0.3174	2.075
6.5	1.713	12.07	0.3433	2.419
7	1.842	13.91	0.3692	2.788
7.5	1.972	15.88	0.3951	3.183
8	2.101	17.98	0.421	3.604
8.5	2.229	20.21	0.4466	4.051
9	2.357	22.57	0.4723	4.523
9.5	2.486	25.06	0.4982	5.021
10	2.614	27.67	0.5239	5.545
10.5	2.741	30.41	0.5494	6.094
11	2.869	33.28	0.575	6.669
11.5	2.996	36.28	0.6005	7.27
12	3.123	39.4	0.6259	7.896
12.5	3.249	42.65	0.6512	8.547
13	3.376	46.02	0.6766	9.223
13.5	3.501	49.53	0.7016	9.925
14	3.624	53.15	0.7262	10.65
14.5	3.742	56.89	0.75	11.4
15	3.857	60.75	0.7729	12.17
15.5	3.952	64.7	0.7919	12.97
16	4.011	68.71	0.8037	13.77
16.5	4.004	72.72	0.8024	14.57
17	3.919	76.63	0.7854	15.36
17.5	3.781	80.42	0.7577	16.12
18	3.612	84.03	0.7238	16.84
18.5	3.463	87.49	0.6939	17.53
19	3.342	90.83	0.6697	18.2
19.5	3.271	94.1	0.6554	18.86
20	3.242	97.34	0.6497	19.51
20.5	3.255	100.6	0.6522	20.16
21	3.308	103.9	0.663	20.82

21.5	3.41	107.3	0.6834	21.51
22	3.552	110.9	0.7118	22.22
22.5	3.73	114.6	0.7476	22.97
23	3.91	118.5	0.7836	23.75
23.5	4.078	122.6	0.8172	24.57
24	4.207	126.8	0.843	25.41
24.5	4.3	131.1	0.8616	26.27
25	4.373	135.5	0.8764	27.15
25.5	4.444	139.9	0.8906	28.04
26	4.519	144.4	0.9056	28.94
26.5	4.596	149	0.9209	29.86
27	4.669	153.7	0.9358	30.8
27.5	4.741	158.4	0.9501	31.75
28	4.803	163.2	0.9624	32.71
28.5	4.853	168.1	0.9725	33.69
29	4.895	173	0.9809	34.67
29.5	4.926	177.9	0.9873	35.65
30	4.954	182.9	0.9927	36.65
30.5	4.976	187.8	0.9971	37.64
31	4.993	192.8	1.001	38.64
31.5	5.004	197.8	1.003	39.65
32	5.011	202.8	1.004	40.65
32.5	5.015	207.9	1.005	41.66
33	5.014	212.9	1.005	42.66
33.5	5.006	217.9	1.003	43.66
34	4.996	222.9	1.001	44.67
34.5	4.981	227.9	0.9981	45.66
35	4.961	232.8	0.9942	46.66
35.5	4.938	237.8	0.9896	47.65
36	4.912	242.7	0.9844	48.63
36.5	4.883	247.6	0.9786	49.61
37	4.849	252.4	0.9717	50.58
37.5	4.811	257.2	0.9642	51.55
38	4.77	262	0.956	52.5
38.5	4.724	266.7	0.9467	53.45
39	4.677	271.4	0.9373	54.39
39.5	4.627	276	0.9272	55.31
40	4.574	280.6	0.9166	56.23
40.5	4.519	285.1	0.9056	57.14
41	4.46	289.6	0.8939	58.03
41.5	4.401	294	0.882	58.91
42	4.34	298.3	0.8696	59.78
42.5	4.276	302.6	0.857	60.64
43	4.21	306.8	0.8437	61.48
43.5	4.143	310.9	0.8302	62.31
44	4.075	315	0.8166	63.13
44.5	4.004	319	0.8023	63.93
45	3.932	322.9	0.788	64.72
45.5	3.86	326.8	0.7736	65.49

46	3.788	330.6	0.759	66.25
46.5	3.713	334.3	0.7441	67
47	3.639	337.9	0.7293	67.72
47.5	3.565	341.5	0.7145	68.44
48	3.491	345	0.6996	69.14
48.5	3.415	348.4	0.6843	69.82
49	3.339	351.8	0.6692	70.49
49.5	3.264	355	0.6541	71.15
50	3.19	358.2	0.6392	71.79
50.5	3.114	361.3	0.624	72.41
51	3.037	364.4	0.6085	73.02
51.5	2.96	367.3	0.5931	73.61
52	2.885	370.2	0.5781	74.19
52.5	2.808	373	0.5627	74.75
53	2.73	375.7	0.5472	75.3
53.5	2.652	378.4	0.5315	75.83
54	2.578	381	0.5166	76.35
54.5	2.502	383.5	0.5013	76.85
55	2.427	385.9	0.4863	77.34
55.5	2.352	388.3	0.4713	77.81
56	2.277	390.5	0.4563	78.26
56.5	2.203	392.7	0.4415	78.7
57	2.129	394.9	0.4267	79.13
57.5	2.053	396.9	0.4115	79.54
58	1.979	398.9	0.3965	79.94
58.5	1.904	400.8	0.3816	80.32
59	1.831	402.6	0.367	80.69
59.5	1.76	404.4	0.3527	81.04
60	1.691	406.1	0.3389	81.38
60.5	1.624	407.7	0.3255	81.7
61	1.56	409.3	0.3127	82.02
61.5	1.498	410.8	0.3003	82.32
62	1.44	412.2	0.2886	82.61
62.5	1.385	413.6	0.2775	82.88
63	1.331	414.9	0.2668	83.15
63.5	1.282	416.2	0.2569	83.41
64	1.235	417.4	0.2475	83.66
64.5	1.191	418.6	0.2387	83.89
65	1.149	419.8	0.2303	84.12
65.5	1.11	420.9	0.2225	84.35
66	1.073	422	0.2151	84.56
66.5	1.039	423	0.2082	84.77
67	1.005	424	0.2013	84.97
67.5	0.9712	425	0.1946	85.17
68	0.9375	425.9	0.1879	85.35
68.5	0.9047	426.8	0.1813	85.54
69	0.8715	427.7	0.1747	85.71
69.5	0.8394	428.5	0.1682	85.88
70	0.808	429.3	0.1619	86.04

70.5	0.7781	430.1	0.1559	86.2
71	0.7498	430.9	0.1503	86.35
71.5	0.7234	431.6	0.145	86.49
72	0.699	432.3	0.1401	86.63
72.5	0.6762	433	0.1355	86.77
73	0.6552	433.6	0.1313	86.9
73.5	0.6357	434.3	0.1274	87.03
74	0.6178	434.9	0.1238	87.15
74.5	0.6012	435.5	0.1205	87.27
75	0.5854	436.1	0.1173	87.39
75.5	0.5711	436.6	0.1145	87.5
76	0.5579	437.2	0.1118	87.61
76.5	0.5456	437.7	0.1093	87.72
77	0.5338	438.3	0.107	87.83
77.5	0.5227	438.8	0.1047	87.93
78	0.5122	439.3	0.1026	88.04
78.5	0.5028	439.8	0.1008	88.14
79	0.4943	440.3	0.09907	88.24
79.5	0.487	440.8	0.09759	88.33
80	0.481	441.3	0.09638	88.43
80.5	0.476	441.7	0.0954	88.53
81	0.4721	442.2	0.09462	88.62
81.5	0.469	442.7	0.09398	88.71
82	0.4659	443.2	0.09338	88.81
82.5	0.4628	443.6	0.09274	88.9
83	0.4599	444.1	0.09216	88.99
83.5	0.4574	444.5	0.09166	89.08
84	0.4552	445	0.09122	89.18
84.5	0.4534	445.4	0.09087	89.27
85	0.4519	445.9	0.09057	89.36
85.5	0.4506	446.3	0.09031	89.45
86	0.4495	446.8	0.09009	89.54
86.5	0.4488	447.2	0.08995	89.63
87	0.4481	447.7	0.08981	89.72
87.5	0.4476	448.1	0.08971	89.81
88	0.4471	448.6	0.08961	89.9
88.5	0.4466	449	0.08951	89.99
89	0.4464	449.5	0.08946	90.08
89.5	0.4462	449.9	0.08941	90.17
90	0.4464	450.4	0.08947	90.25
90.5	0.447	450.8	0.08958	90.34
91	0.4479	451.3	0.08975	90.43
91.5	0.4488	451.7	0.08994	90.52
92	0.4499	452.2	0.09016	90.61
92.5	0.4511	452.6	0.0904	90.7
93	0.4526	453.1	0.0907	90.8
93.5	0.4541	453.5	0.091	90.89
94	0.4607	454	0.09233	90.98
94.5	0.4688	454.5	0.09396	91.07

95	0.4756	454.9	0.09531	91.17
95.5	0.4874	455.4	0.09767	91.27
96	0.4899	455.9	0.09818	91.36
96.5	0.4938	456.4	0.09897	91.46
97	0.4861	456.9	0.09741	91.56
97.5	0.482	457.4	0.09658	91.66
98	0.4814	457.8	0.09647	91.75
98.5	0.4881	458.3	0.09781	91.85
99	0.4946	458.8	0.09911	91.95
99.5	0.492	459.3	0.09859	92.05
100	0.4896	459.8	0.09811	92.15
100.5	0.4862	460.3	0.09743	92.24
101	0.489	460.8	0.098	92.34
101.5	0.4865	461.3	0.09749	92.44
102	0.4858	461.8	0.09736	92.54
102.5	0.4879	462.2	0.09777	92.63
103	0.483	462.7	0.09679	92.73
103.5	0.4805	463.2	0.09629	92.83
104	0.4766	463.7	0.09552	92.92
104.5	0.4736	464.2	0.0949	93.02
105	0.4765	464.6	0.09549	93.11
105.5	0.4751	465.1	0.09522	93.21
106	0.4714	465.6	0.09447	93.3
106.5	0.4677	466.1	0.09373	93.4
107	0.4684	466.5	0.09386	93.49
107.5	0.4647	467	0.09312	93.58
108	0.4583	467.4	0.09184	93.68
108.5	0.4527	467.9	0.09071	93.77
109	0.4519	468.3	0.09057	93.86
109.5	0.4479	468.8	0.08975	93.95
110	0.4428	469.2	0.08873	94.04
110.5	0.4393	469.7	0.08803	94.12
111	0.4354	470.1	0.08725	94.21
111.5	0.4374	470.6	0.08766	94.3
112	0.4275	471	0.08566	94.38
112.5	0.4198	471.4	0.08412	94.47
113	0.4148	471.8	0.08313	94.55
113.5	0.41	472.2	0.08216	94.63
114	0.4036	472.6	0.08089	94.71
114.5	0.3997	473	0.0801	94.79
115	0.3962	473.4	0.07941	94.87
115.5	0.3892	473.8	0.078	94.95
116	0.3875	474.2	0.07766	95.03
116.5	0.3818	474.6	0.07652	95.11
117	0.3794	475	0.07603	95.18
117.5	0.3699	475.3	0.07413	95.26
118	0.3657	475.7	0.07328	95.33
118.5	0.3622	476.1	0.07259	95.4
119	0.3536	476.4	0.07087	95.47

119.5	0.3488	476.8	0.06991	95.54
120	0.3463	477.1	0.06939	95.61
120.5	0.3432	477.5	0.06878	95.68
121	0.3357	477.8	0.06727	95.75
121.5	0.3317	478.1	0.06647	95.82
122	0.3298	478.4	0.0661	95.88
122.5	0.3261	478.8	0.06535	95.95
123	0.3232	479.1	0.06477	96.01
123.5	0.3175	479.4	0.06363	96.07
124	0.3107	479.7	0.06226	96.14
124.5	0.3062	480	0.06136	96.2
125	0.3042	480.3	0.06096	96.26
125.5	0.2989	480.6	0.0599	96.32
126	0.2945	480.9	0.05902	96.38
126.5	0.2921	481.2	0.05853	96.44
127	0.2858	481.5	0.05728	96.49
127.5	0.2832	481.8	0.05675	96.55
128	0.2817	482.1	0.05645	96.61
128.5	0.279	482.4	0.05592	96.66
129	0.2778	482.6	0.05568	96.72
129.5	0.2742	482.9	0.05495	96.77
130	0.2701	483.2	0.05412	96.83
130.5	0.2681	483.4	0.05372	96.88
131	0.2666	483.7	0.05343	96.94
131.5	0.2652	484	0.05315	96.99
132	0.261	484.2	0.05231	97.04
132.5	0.2596	484.5	0.05202	97.09
133	0.2545	484.7	0.051	97.14
133.5	0.2528	485	0.05066	97.19
134	0.2509	485.3	0.05027	97.24
134.5	0.2478	485.5	0.04966	97.29
135	0.2425	485.7	0.04859	97.34
135.5	0.2403	486	0.04816	97.39
136	0.2382	486.2	0.04774	97.44
136.5	0.2362	486.5	0.04733	97.49
137	0.2341	486.7	0.04691	97.53
137.5	0.232	486.9	0.0465	97.58
138	0.23	487.2	0.0461	97.63
138.5	0.228	487.4	0.04569	97.67
139	0.226	487.6	0.04529	97.72
139.5	0.224	487.8	0.04488	97.76
140	0.222	488.1	0.04448	97.81
140.5	0.2202	488.3	0.04412	97.85
141	0.2198	488.5	0.04404	97.89
141.5	0.2188	488.7	0.04386	97.94
142	0.2161	488.9	0.0433	97.98
142.5	0.214	489.1	0.04288	98.02
143	0.212	489.4	0.04248	98.07
143.5	0.2102	489.6	0.04213	98.11

144	0.2087	489.8	0.04182	98.15
144.5	0.2069	490	0.04147	98.19
145	0.2056	490.2	0.0412	98.23
145.5	0.2044	490.4	0.04097	98.27
146	0.2034	490.6	0.04075	98.32
146.5	0.2023	490.8	0.04054	98.36
147	0.2013	491	0.04034	98.4
147.5	0.2005	491.2	0.04018	98.44
148	0.1997	491.4	0.04003	98.48
148.5	0.1991	491.6	0.03989	98.52
149	0.1985	491.8	0.03978	98.56
149.5	0.198	492	0.03969	98.6
150	0.1976	492.2	0.0396	98.64
150.5	0.1973	492.4	0.03953	98.67
151	0.1969	492.6	0.03946	98.71
151.5	0.1967	492.8	0.03941	98.75
152	0.1963	493	0.03935	98.79
152.5	0.1958	493.2	0.03924	98.83
153	0.1952	493.4	0.03913	98.87
153.5	0.1946	493.6	0.03899	98.91
154	0.1938	493.8	0.03885	98.95
154.5	0.193	494	0.03867	98.99
155	0.1922	494.1	0.03852	99.03
155.5	0.1912	494.3	0.03832	99.06
156	0.19	494.5	0.03808	99.1
156.5	0.1889	494.7	0.03785	99.14
157	0.1874	494.9	0.03756	99.18
157.5	0.1861	495.1	0.03729	99.22
158	0.1846	495.3	0.037	99.25
158.5	0.1832	495.5	0.03671	99.29
159	0.1817	495.6	0.03642	99.33
159.5	0.1801	495.8	0.03609	99.36
160	0.1783	496	0.03574	99.4
160.5	0.1764	496.2	0.03535	99.43
161	0.1745	496.3	0.03496	99.47
161.5	0.1725	496.5	0.03456	99.5
162	0.1703	496.7	0.03413	99.54
162.5	0.1679	496.9	0.03365	99.57
163	0.1653	497	0.03313	99.6
163.5	0.1626	497.2	0.03259	99.64
164	0.1598	497.3	0.03203	99.67
164.5	0.1573	497.5	0.03152	99.7
165	0.1549	497.7	0.03105	99.73
165.5	0.1527	497.8	0.0306	99.76
166	0.1504	498	0.03014	99.79
166.5	0.148	498.1	0.02966	99.82
167	0.1455	498.3	0.02916	99.85
167.5	0.143	498.4	0.02867	99.88
168	0.1404	498.5	0.02814	99.91

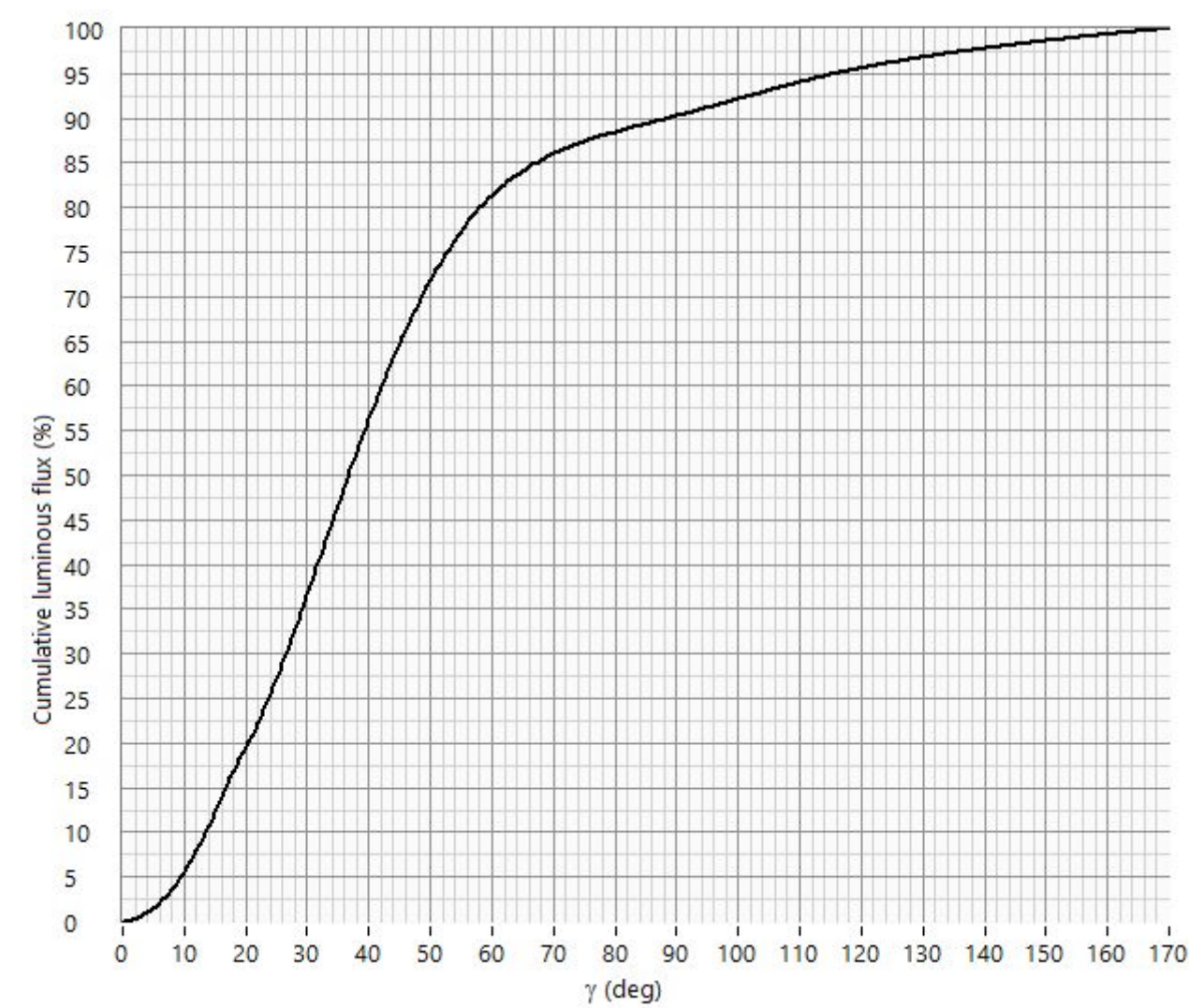
Report time: 2.5.2025 13.09
Report No.: DECO50-250011

Manufacturer: Secto Design

Item No.: Octo small 4241

168.5	0.1374	498.7	0.02754	99.93
169	0.1341	498.8	0.02687	99.96
169.5	0.1303	498.9	0.02612	99.99
170	0.0637	499	0.01277	100

Figure. Cumulative luminous flux



Söllner diagram (EN 12464) - Luminance

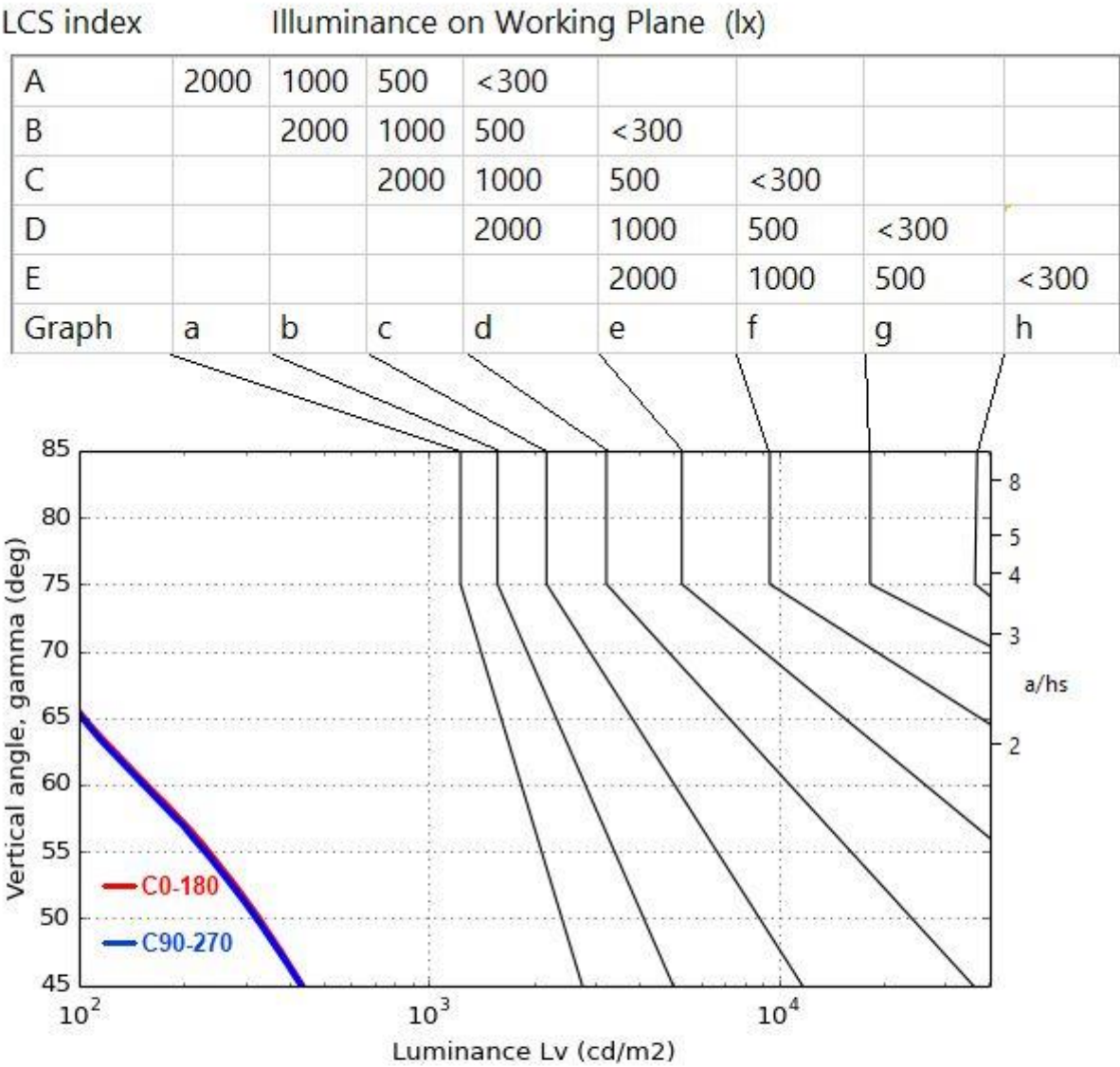


Table. Luminance [Lv] = cd/m2

	C 0	C 45	C 90
γ 0	1821	1821	1821
γ 45	435	433	433
γ 55	235	234	230
γ 65	104	103	102
γ 75	53	52	51
γ 85	45	44	43

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	5.0	5.0	5.4	6.0	5.0	5.0	5.0	5.3	5.9
	3H	5.0	5.3	5.0	5.9	6.5	5.0	5.2	5.0	5.7	6.3
	4H	5.0	5.4	5.0	6.0	6.6	5.0	5.3	5.0	5.9	6.5
	6H	5.0	5.5	5.1	6.1	6.7	5.0	5.4	5.0	5.9	6.6
	8H	5.0	5.6	5.2	6.1	6.8	5.0	5.4	5.1	6.0	6.6
	12H	5.0	5.6	5.3	6.2	6.8	5.0	5.5	5.2	6.1	6.7
4H	2H	5.0	5.0	5.0	5.3	5.9	5.0	5.0	5.0	5.2	5.8
	3H	5.0	5.3	5.0	5.9	6.5	5.0	5.2	5.0	5.8	6.4
	4H	5.0	5.5	5.3	6.1	6.7	5.0	5.4	5.2	6.0	6.6
	6H	5.0	5.6	5.6	6.3	6.9	5.0	5.5	5.5	6.1	6.8
	8H	5.1	5.7	5.7	6.3	7.0	5.0	5.6	5.6	6.2	6.9
	12H	5.3	5.8	5.9	6.5	7.2	5.1	5.7	5.8	6.4	7.0
8H	4H	5.0	5.4	5.3	6.0	6.7	5.0	5.3	5.2	5.9	6.6
	6H	5.1	5.6	5.7	6.3	6.9	5.0	5.5	5.6	6.1	6.8
	8H	5.3	5.8	5.9	6.4	7.1	5.2	5.6	5.8	6.3	7.0
	12H	5.6	6.0	6.2	6.6	7.4	5.4	5.9	6.1	6.5	7.3
12H	4H	5.0	5.3	5.3	5.9	6.6	5.0	5.2	5.2	5.8	6.5
	6H	5.1	5.6	5.8	6.2	6.9	5.0	5.4	5.6	6.1	6.8
	8H	5.3	5.8	6.0	6.4	7.2	5.2	5.6	5.9	6.3	7.1

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

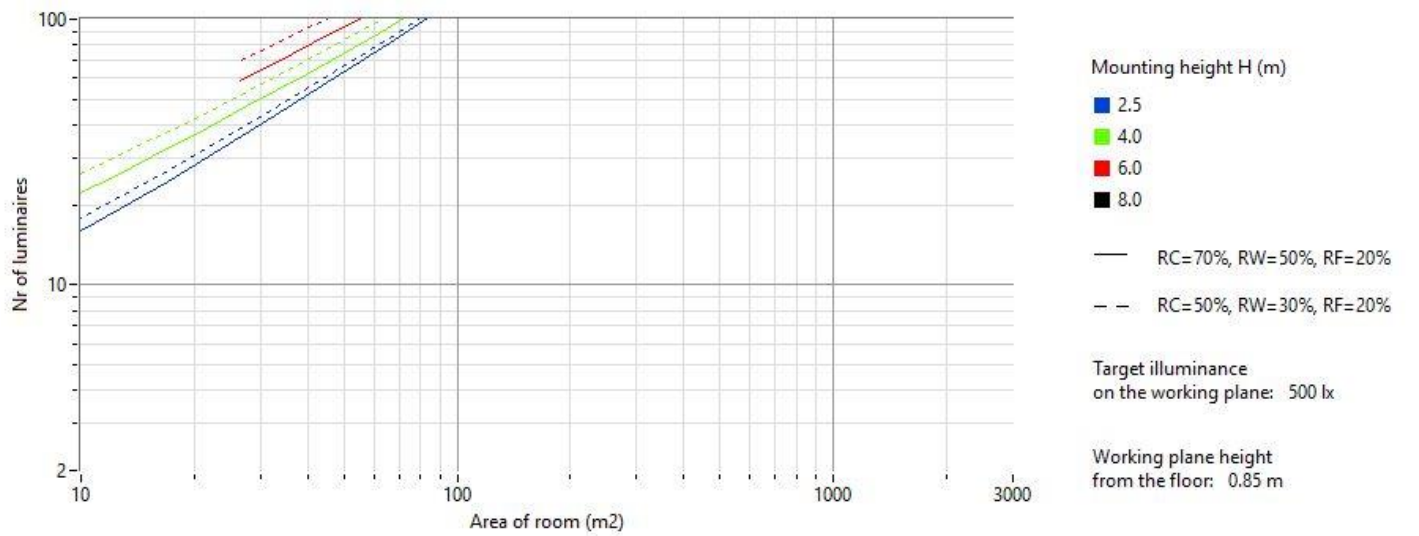


Table. Coefficient of Utilization (CU).

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	106	106	106	99	99	99	93	93	93
1	91	88	85	83	91	88	85	83	88	86	84	89	87	85	89	88	86
2	87	82	77	74	87	82	77	74	81	78	74	81	78	75	81	78	75
3	83	76	70	66	82	75	70	66	75	70	66	74	70	66	73	70	67
4	79	70	64	59	78	70	64	59	69	63	59	68	63	59	67	63	59
5	75	65	58	53	73	64	58	53	63	57	53	62	57	53	61	57	53
6	70	60	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48
7	66	56	49	44	65	55	48	44	54	48	44	53	47	43	52	47	43
8	63	52	45	40	61	51	45	40	50	44	40	49	44	40	48	43	40
9	59	48	42	37	58	48	41	37	47	41	37	46	40	36	45	40	36
10	56	45	39	34	55	45	38	34	44	38	34	43	37	34	42	37	33

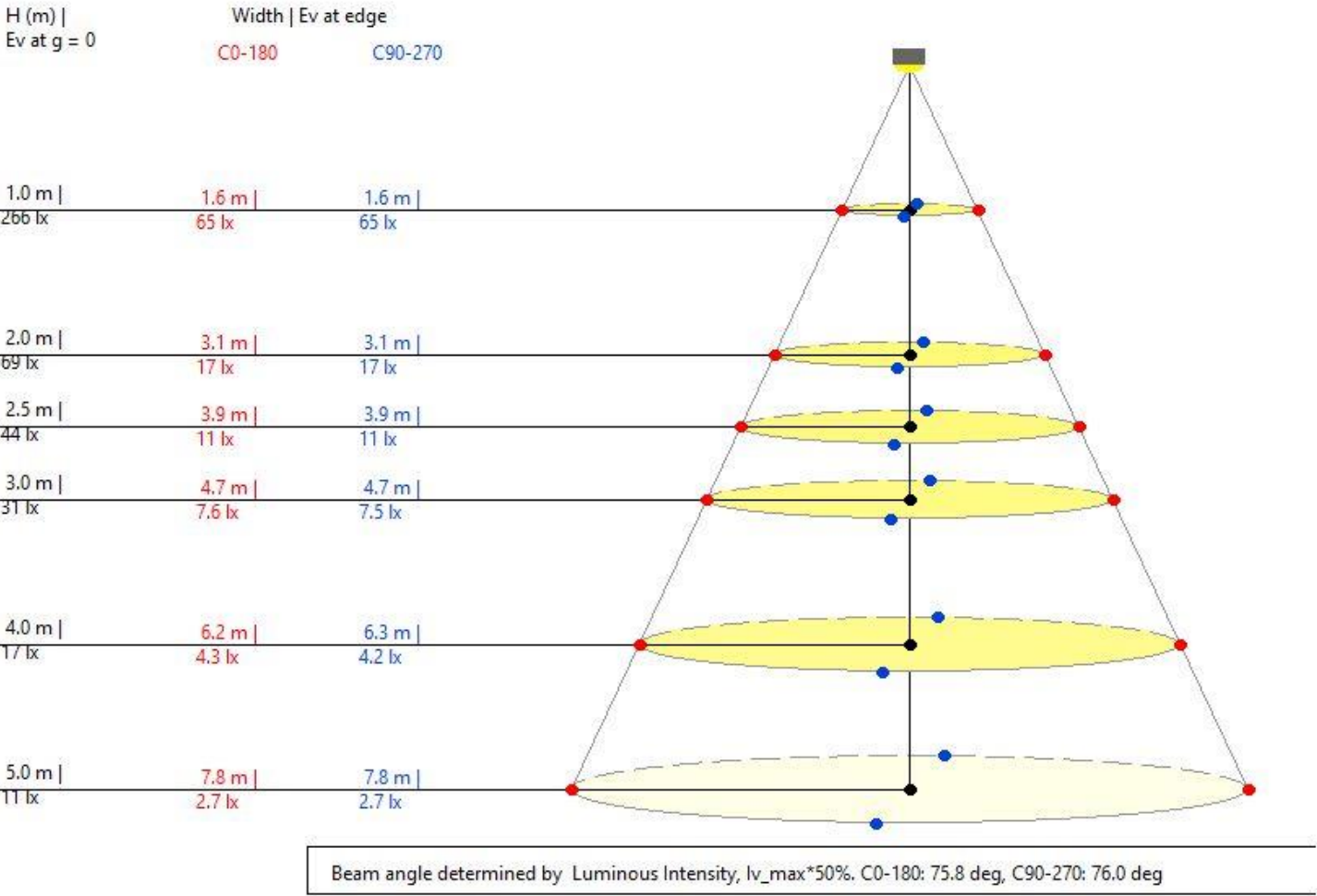
Table. Wall Exitance Coefficients (WEC).

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	40.0	27.2	15.6	5.0	38.5	26.2	15.0	4.8	24.3	14.0	4.5	22.2	12.9	4.1	20.0	11.6	3.7
2	39.2	25.7	14.3	4.4	37.7	24.8	13.8	4.3	23.0	12.9	4.0	21.1	11.9	3.7	19.0	10.8	3.4
3	38.2	24.3	13.2	4.0	36.7	23.5	12.8	3.9	21.8	11.9	3.7	20.0	11.0	3.4	18.0	10.0	3.1
4	37.1	23.0	12.3	3.7	35.6	22.2	11.9	3.6	20.6	11.1	3.4	18.9	10.2	3.1	17.0	9.3	2.8
5	35.9	21.8	11.5	3.4	34.5	21.1	11.1	3.3	19.5	10.4	3.1	17.9	9.6	2.9	16.1	8.7	2.6
6	34.8	20.8	10.8	3.2	33.3	20.1	10.5	3.1	18.5	9.8	2.9	17.0	9.0	2.7	15.3	8.1	2.4
7	33.7	19.8	10.3	3.0	32.3	19.1	9.9	2.9	17.7	9.2	2.7	16.1	8.4	2.5	14.5	7.6	2.2
8	32.6	19.0	9.8	2.9	31.2	18.3	9.5	2.8	16.9	8.7	2.6	15.4	8.0	2.4	13.8	7.1	2.1
9	31.6	18.3	9.4	2.8	30.3	17.6	9.1	2.7	16.2	8.3	2.5	14.7	7.6	2.2	13.2	6.7	2.0
10	30.7	17.6	9.0	2.7	29.4	16.9	8.7	2.6	15.5	8.0	2.4	14.1	7.2	2.1	12.6	6.4	1.9

Table. Ceiling Cavity Exitance Coefficients (CCEC).

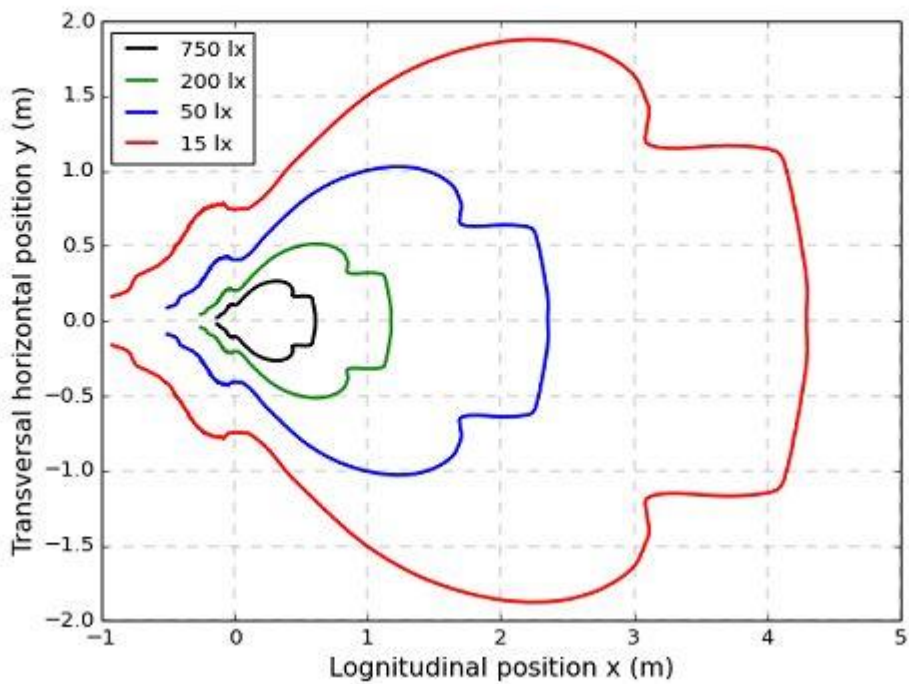
RC	80				70				50			30			10		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RF / RCR	20				20				20			20			20		
1	109.4	101.6	94.7	88.4	44.3	40.6	37.3	34.2	14.2	12.8	11.6	6.7	6.1	5.5	2.0	1.9	1.7
2	106.5	92.5	80.9	71.2	43.7	37.0	31.4	26.7	13.2	10.8	8.8	6.3	5.2	4.3	1.9	1.6	1.4
3	102.7	83.8	69.2	57.6	42.7	33.6	26.6	20.9	12.2	9.2	6.8	5.9	4.5	3.3	1.8	1.4	1.1
4	98.3	75.7	59.2	46.5	41.3	30.5	22.4	16.2	11.3	7.8	5.1	5.6	4.0	2.7	1.7	1.3	0.9
5	93.6	68.2	50.4	37.3	39.7	27.5	18.8	12.3	10.4	6.7	3.8	5.2	3.5	2.1	1.7	1.2	0.8
6	88.6	61.1	42.7	29.5	38.0	24.7	15.6	9.0	9.6	5.7	2.8	4.9	3.1	1.7	1.6	1.1	0.6
7	83.5	54.6	35.9	22.8	36.1	22.1	12.8	6.3	8.8	4.8	1.9	4.6	2.7	1.3	1.5	1.0	0.5
8	78.5	48.7	29.9	17.1	34.2	19.7	10.4	3.9	8.1	4.0	1.2	4.4	2.4	1.0	1.4	0.9	0.5
9	73.6	43.2	24.7	12.1	32.3	17.5	8.2	1.9	7.4	3.4	0.6	4.1	2.2	0.8	1.4	0.8	0.4
10	68.9	38.3	20.0	7.8	30.4	15.4	6.3	0.1	6.7	2.8	0.0	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

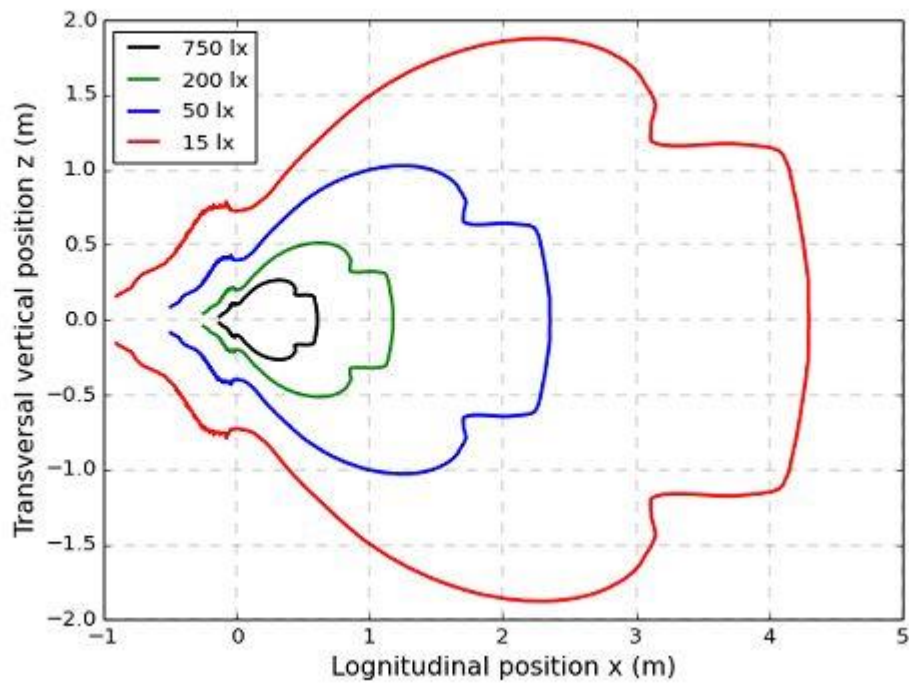


LOGNITUDINAL ISOLUX CURVES

Horizontal



Vertical



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

Mounting height of 2.50 m.

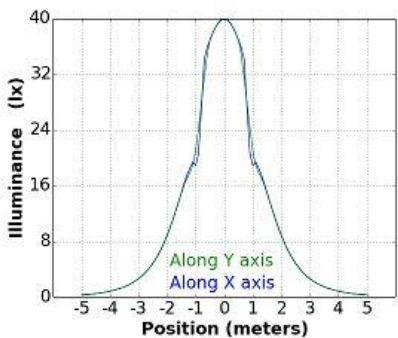
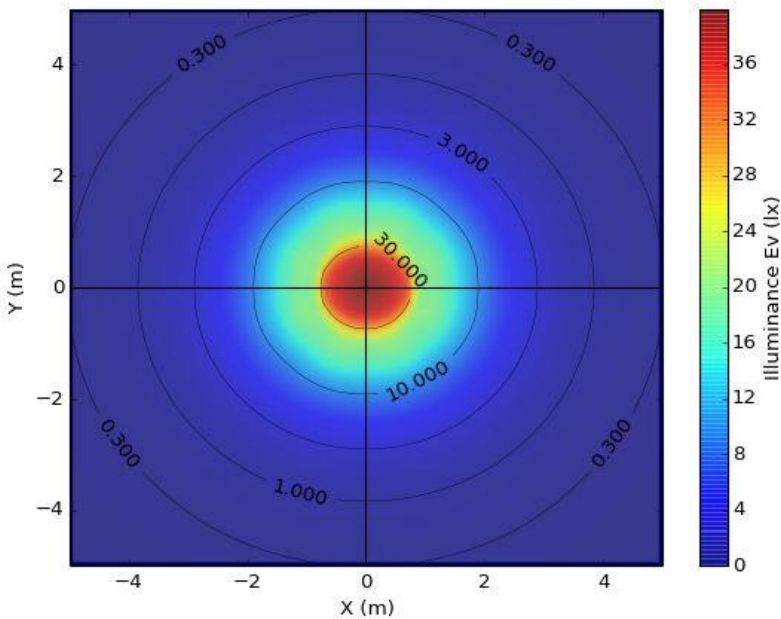
Lamp center position x =0.0 m, y = 0.0 m.

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

Maintenance factor = 0.80.

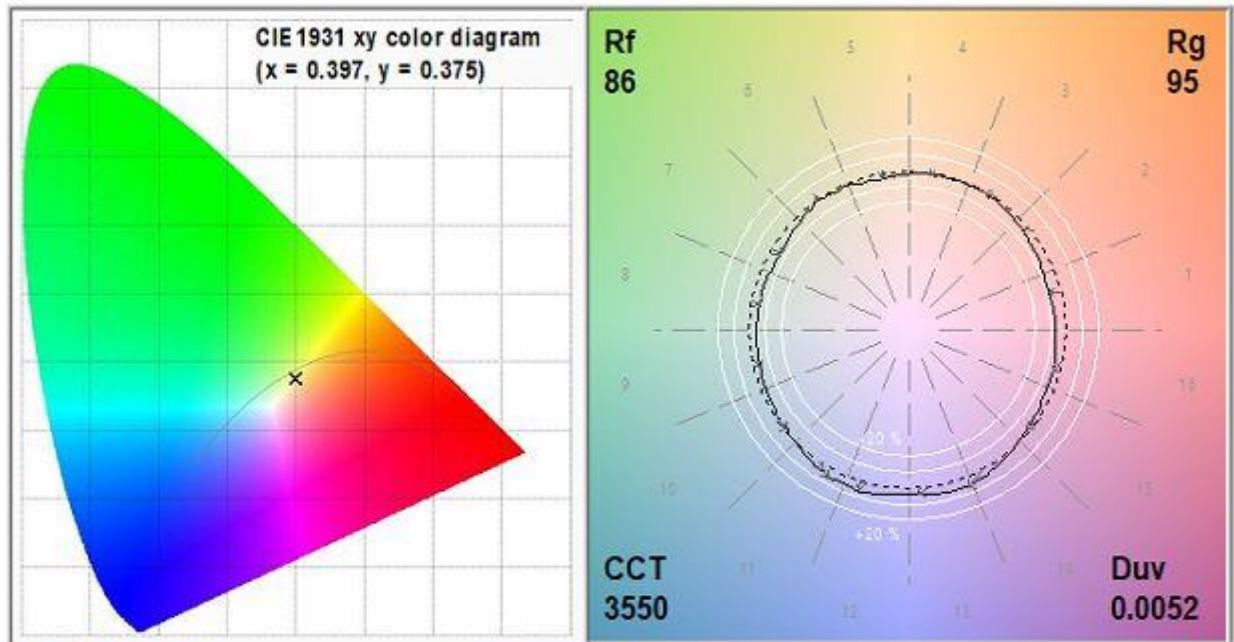
Nr of lamps: X = 1 pcs, Y = 1 pcs.

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



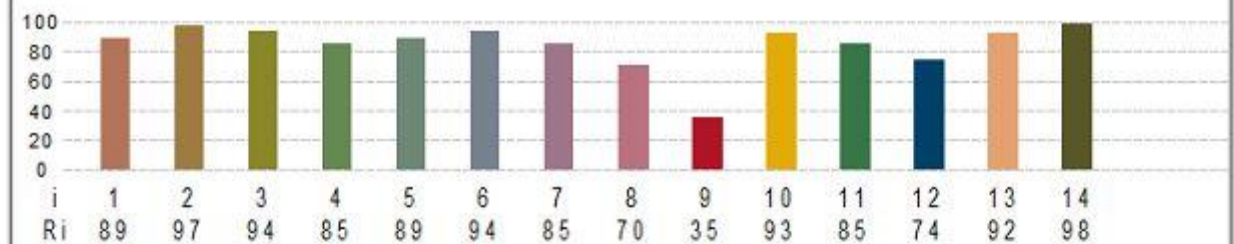
Average Ev:	3.65 lx
Uniformity:	1.91 %
Max Ev:	39.9 lx
Min Ev:	0.0698 lx
Power Consumption:	8.1 W

GonioSpectroRadiometric Test Report



Ra (R1-R8) = 88

Special color rendition index CRI Ri 1-14



Fidelity indices Rf of the 16 hue bins

