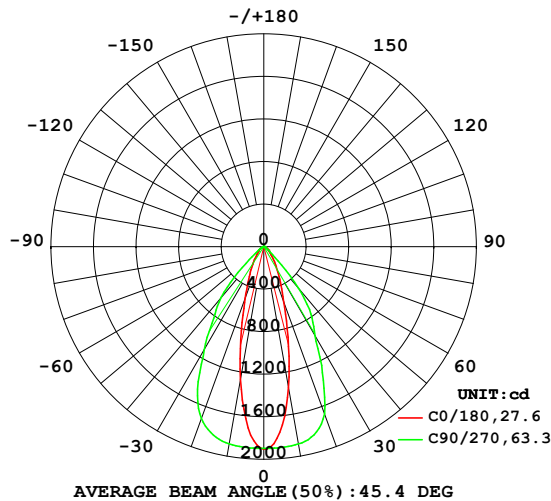


LUMINAIRE PHOTOMETRIC TEST REPORT

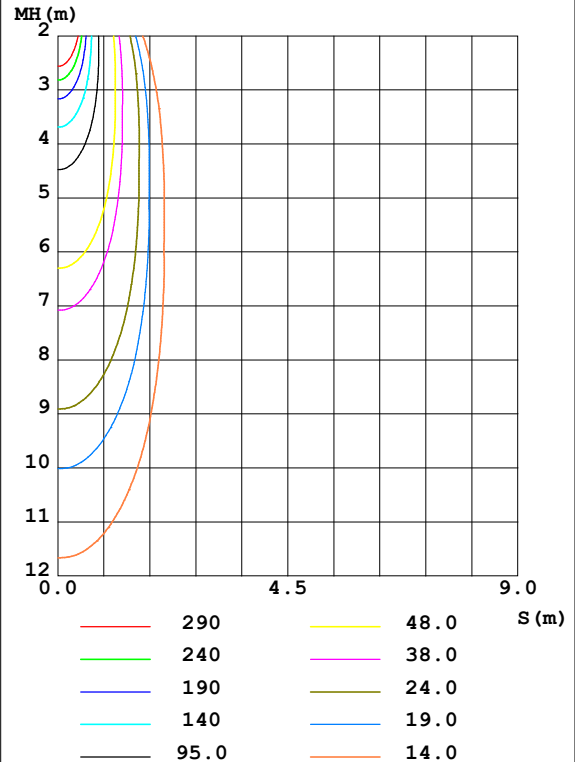
NAME: COVO light 1ft	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.14 lm/W			
MODEL		I _{max} (cd)	1904	S/MH (C0/180)	0.47
NOMINAL POWER(W)	10	LOR(%)	116.5	S/MH (C90/270)	0.97
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	1264.1	η UP,DN (C0-180)	0.1,57.1
NOMINAL FLUX(lm)	98.6283	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.1,59.3
LAMPS INSIDE	11	η up (%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120.0	η down (%)	116.4	CIBSE SHR MAX	0.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-01-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

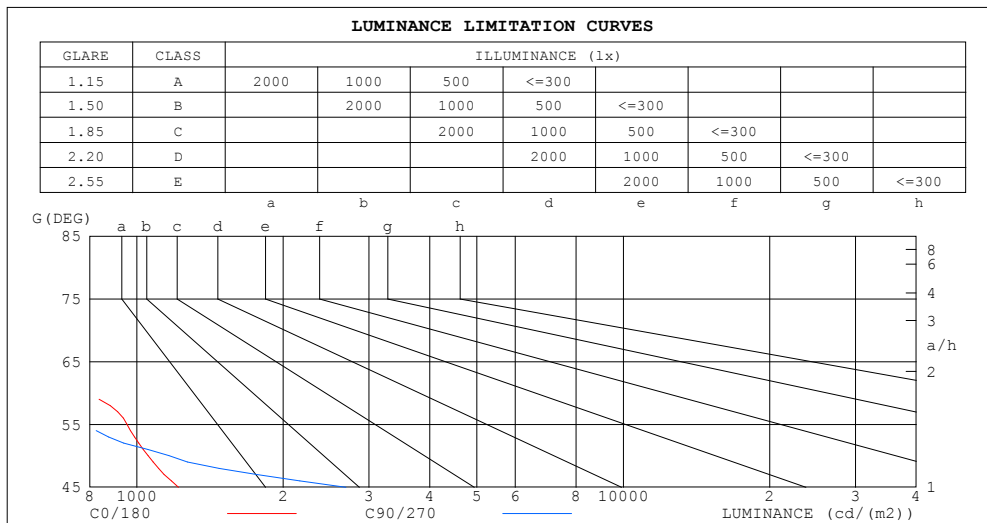
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1344	1641	1883	1530	1267	1451	1882	1623	0- 10	165.2	165.2	13.1,15.2
20	551.3	926.0	1673	833.2	512.5	755.3	1717	938.9	10- 20	354.3	519.5	41.1,47.9
30	256.8	378.4	967.3	338.0	230.4	336.7	1119	409.0	20- 30	330.7	850.2	67.3,78.4
40	119.8	149.3	509.0	135.0	104.6	148.7	622.3	166.4	30- 40	225.1	1075	85.1,99.1
50	67.82	68.27	74.82	63.03	62.56	71.08	115.1	78.12	40- 50	110.9	1186	93.8,109
60	39.23	33.13	31.12	30.74	31.57	35.81	39.26	38.40	50- 60	46.32	1233	97.5,114
70	14.11	11.89	10.83	9.751	11.15	12.92	15.20	14.57	60- 70	22.20	1255	99.3,116
80	3.061	2.282	1.666	1.724	2.005	2.591	4.003	3.289	70- 80	7.164	1262	99.8,116
90	0.0015	0.1283	0	0.1283	0	0.1214	0	0.2138	80- 90	0.9051	1263	99.9,116
100	0	0.0799	0	0.0775	0	0.0799	0	0.1042	90-100	0.0612	1263	99.9,116
110	0	0.0436	0	0.0339	0	0.0169	0	0.0436	100-110	0.0273	1263	99.9,116
120	0.0096	0.0460	0.0774	0.0388	0.0049	0.0315	0.0388	0.0363	110-120	0.0219	1263	99.9,116
130	0.0532	0.1067	0.2420	0.1284	0.0510	0.0799	0.1504	0.0870	120-130	0.0605	1263	99.9,116
140	0.1596	0.2617	0.4672	0.3418	0.1503	0.2564	0.3539	0.2275	130-140	0.1416	1263	99.9,116
150	0.4138	0.5161	0.6754	0.6978	0.3782	0.5785	0.5766	0.4527	140-150	0.2471	1263	99.9,116
160	0.8472	0.7800	0.8765	1.032	0.7778	0.9007	0.8019	0.7070	150-160	0.3154	1264	100,116
170	1.129	0.9810	1.051	1.194	1.078	1.095	1.017	0.9467	160-170	0.2695	1264	100,117
180	1.155	1.129	1.133	1.165	1.148	1.129	1.136	1.155	170-180	0.1051	1264	100,117
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-01-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: COVO light 1ft	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



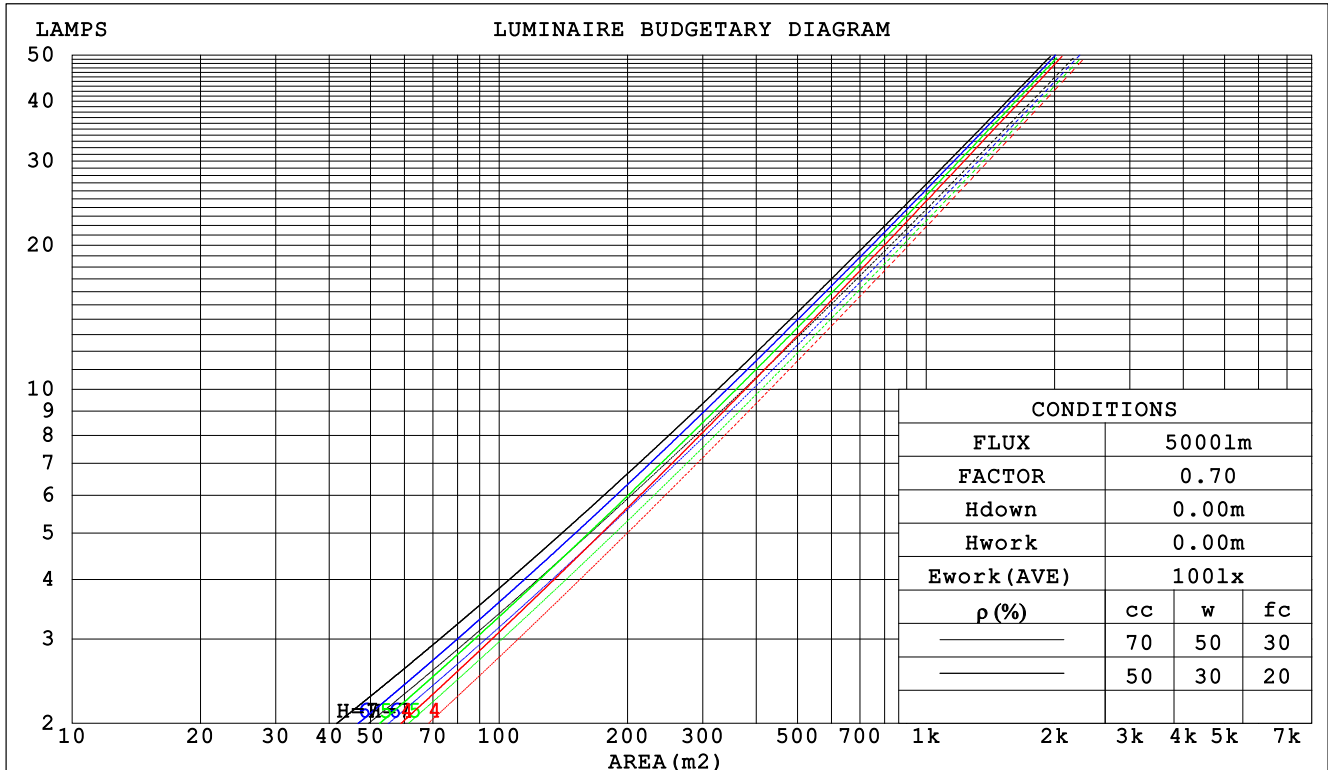
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-01-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: COVO light 1ft	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.39	1.39	1.39	1.35	1.35	1.35	1.29	1.29	1.29	1.24	1.24	1.24	1.19	1.19	1.19	1.16
1.0	1.28	1.25	1.23	1.26	1.23	1.21	1.21	1.19	1.17	1.17	1.15	1.13	1.13	1.11	1.10	1.08
2.0	1.19	1.14	1.10	1.17	1.12	1.09	1.13	1.09	1.06	1.10	1.07	1.04	1.06	1.04	1.02	.00
3.0	1.11	1.04	.00	1.09	1.03	.99	1.06	1.01	.97	1.03	.99	.96	1.00	.97	.94	.92
4.0	1.03	.96	.91	1.02	.95	.91	.99	.94	.90	.97	.92	.88	.95	.91	.87	.86
5.0	.96	.89	.84	.95	.89	.84	.93	.87	.83	.91	.86	.82	.89	.85	.81	.80
6.0	.90	.83	.78	.89	.83	.78	.88	.82	.77	.86	.81	.77	.84	.80	.76	.74
7.0	.85	.78	.73	.84	.77	.73	.83	.77	.72	.81	.76	.72	.80	.75	.71	.70
8.0	.80	.73	.68	.79	.73	.68	.78	.72	.68	.77	.71	.67	.76	.71	.67	.65
9.0	.76	.69	.64	.75	.69	.64	.74	.68	.64	.73	.67	.64	.72	.67	.63	.62
10.0	.72	.65	.60	.71	.65	.60	.70	.64	.60	.69	.64	.60	.69	.64	.60	.58



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-01-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: COVO light 1ft	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

pcc	80%	70%	50%	30%	10%	0
pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
pfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio					Wall Exitance Coefficients(WEC)
0.0						
1.0	.218 .124 .039	.210 .120 .038	.195 .112 .036	.182 .105 .034	.169 .098 .032	
2.0	.209 .115 .035	.202 .112 .034	.190 .106 .033	.178 .100 .031	.168 .095 .030	
3.0	.199 .106 .032	.193 .103 .031	.182 .099 .030	.172 .095 .029	.163 .090 .028	
4.0	.189 .098 .029	.184 .096 .028	.174 .092 .028	.166 .089 .027	.158 .086 .026	
5.0	.179 .091 .026	.175 .090 .026	.167 .087 .026	.159 .084 .025	.152 .081 .024	
6.0	.170 .085 .024	.166 .084 .024	.159 .082 .024	.152 .079 .023	.146 .077 .023	
7.0	.162 .080 .023	.158 .079 .022	.152 .077 .022	.146 .075 .022	.140 .073 .021	
8.0	.154 .075 .021	.151 .074 .021	.145 .073 .021	.140 .071 .020	.135 .069 .020	
9.0	.147 .071 .020	.144 .070 .020	.139 .069 .020	.135 .067 .019	.130 .066 .019	
10.0	.140 .067 .019	.138 .067 .019	.134 .065 .018	.129 .064 .018	.125 .063 .018	

pcc	80%	70%	50%	30%	10%	0
pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
pfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio					Ceiling Cavity Exitance Coefficients(CCEC)
0.0	.223 .223 .223	.190 .190 .190	.130 .130 .130	.075 .075 .075	.024 .024 .024	
1.0	.201 .184 .169	.172 .158 .145	.118 .109 .100	.068 .063 .058	.022 .020 .019	
2.0	.184 .155 .131	.158 .134 .113	.108 .092 .079	.062 .054 .046	.020 .017 .015	
3.0	.170 .133 .104	.146 .115 .090	.100 .080 .063	.058 .047 .037	.019 .015 .012	
4.0	.159 .116 .084	.136 .100 .073	.094 .070 .051	.054 .041 .030	.017 .013 .010	
5.0	.149 .103 .069	.128 .089 .060	.088 .062 .042	.051 .037 .025	.016 .012 .008	
6.0	.140 .092 .058	.120 .080 .050	.083 .056 .036	.048 .033 .021	.016 .011 .007	
7.0	.132 .083 .049	.114 .072 .043	.079 .051 .030	.046 .030 .018	.015 .010 .006	
8.0	.125 .076 .042	.108 .066 .037	.075 .046 .026	.043 .027 .016	.014 .009 .005	
9.0	.119 .070 .037	.103 .061 .032	.071 .043 .023	.041 .025 .014	.013 .008 .005	
10.0	.114 .065 .032	.098 .056 .028	.068 .040 .020	.040 .023 .012	.013 .008 .004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-01-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:7.540m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: COVO light 1ft					TYPE:4000K					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.: EVERFINE					SUR.:					Shielding Angle:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3				
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3				
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2				
Room dimensions					Viewed crosswise					Viewed endwise				
x = 2H y = 2H					8.3	9.3	8.5	9.5	9.6	12.1	13.1	12.3	13.3	13.4
3H					8.6	9.5	8.9	9.8	10.0	12.0	13.0	12.3	13.2	13.4
4H					8.7	9.5	9.0	9.8	10.0	12.0	12.8	12.3	13.1	13.3
6H					8.7	9.5	9.0	9.7	10.0	11.9	12.7	12.2	13.0	13.2
8H					8.6	9.4	8.9	9.7	9.9	11.9	12.6	12.2	12.9	13.2
12H					8.6	9.3	8.9	9.6	9.9	11.8	12.6	12.1	12.8	13.1
4H 2H					8.4	9.2	8.7	9.5	9.7	12.0	12.8	12.2	13.0	13.3
3H					8.8	9.6	9.1	9.8	10.1	11.9	12.7	12.3	13.0	13.2
4H					8.9	9.6	9.2	9.9	10.2	11.9	12.6	12.2	12.9	13.2
6H					8.9	9.5	9.3	9.8	10.2	11.8	12.4	12.2	12.7	13.1
8H					8.8	9.4	9.2	9.8	10.1	11.8	12.3	12.2	12.7	13.0
12H					8.8	9.3	9.2	9.7	10.1	11.7	12.2	12.1	12.6	13.0
8H 4H					8.8	9.4	9.2	9.7	10.1	11.8	12.3	12.2	12.7	13.0
6H					8.8	9.3	9.2	9.7	10.1	11.7	12.1	12.1	12.5	13.0
8H					8.8	9.2	9.2	9.6	10.1	11.6	12.0	12.1	12.5	12.9
12H					8.8	9.1	9.2	9.5	10.0	11.6	11.9	12.1	12.4	12.9
12H 4H					8.8	9.3	9.2	9.6	10.0	11.7	12.2	12.1	12.6	13.0
6H					8.8	9.2	9.2	9.6	10.0	11.6	12.0	12.1	12.5	12.9
8H					8.7	9.1	9.2	9.5	10.0	11.6	11.9	12.1	12.4	12.9
Variations with the observer position at spacings:														
S = 1.0H					+ 0.9 / - 1.2					+ 4.2 / - 6.2				
1.5H					+ 1.2 / - 0.6					+ 6.3 / - 5.1				
2.0H					+ 1.4 / - 1.7					+ 5.6 / - 3.0				

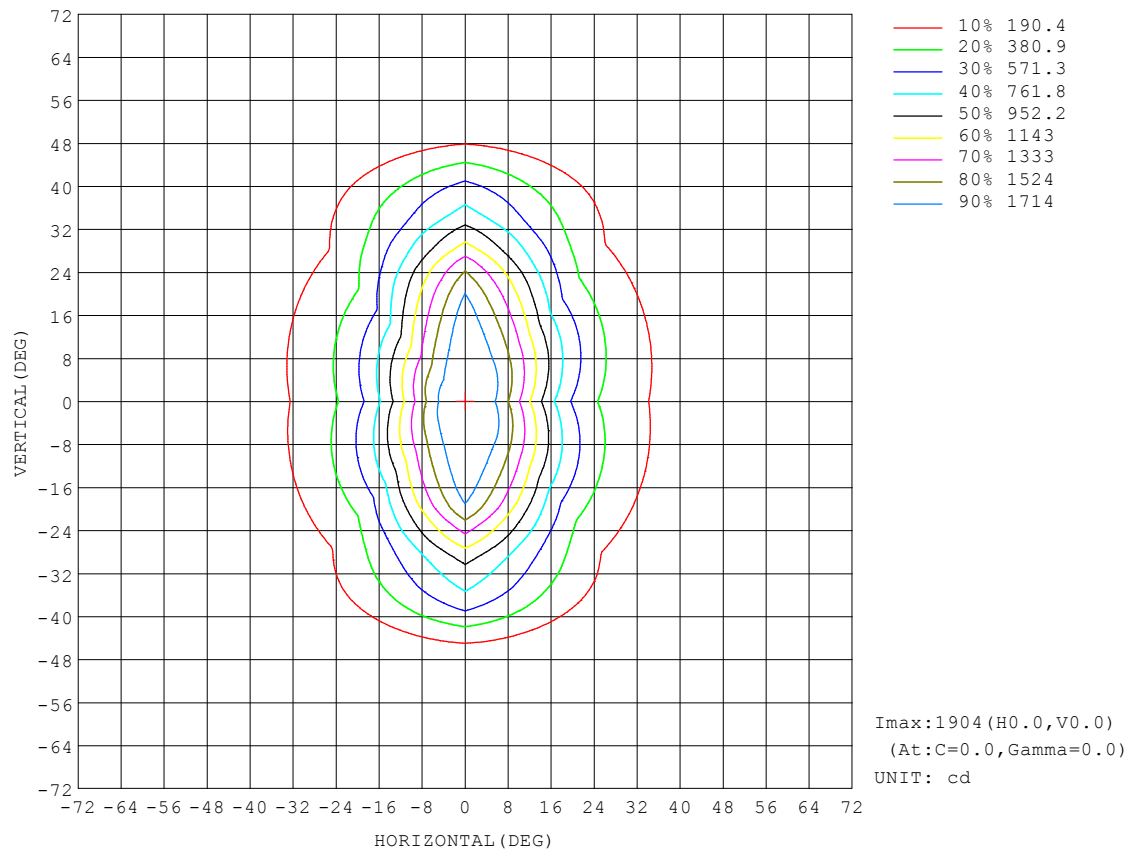
CIE Pub.117 Corrected 1085 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.3)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-01-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:7.540m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: COVO light 1ft	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

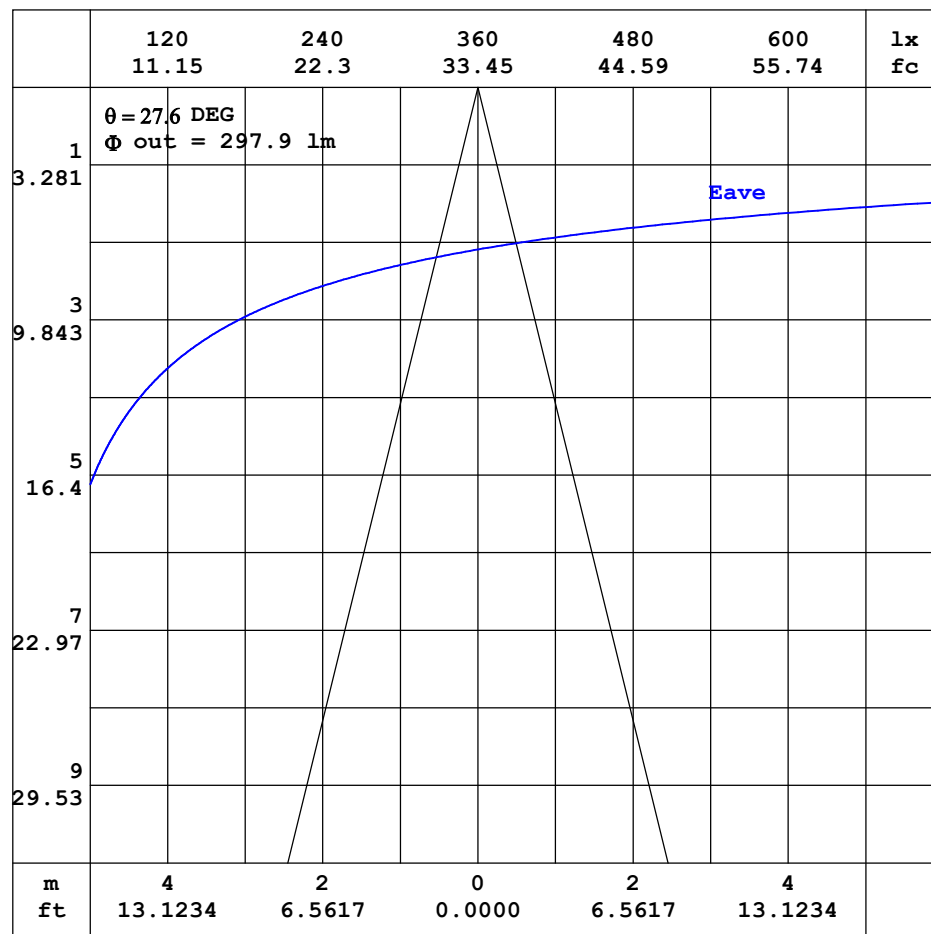


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-01-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

AAI CURVES

NAME: COVO light 1ft	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



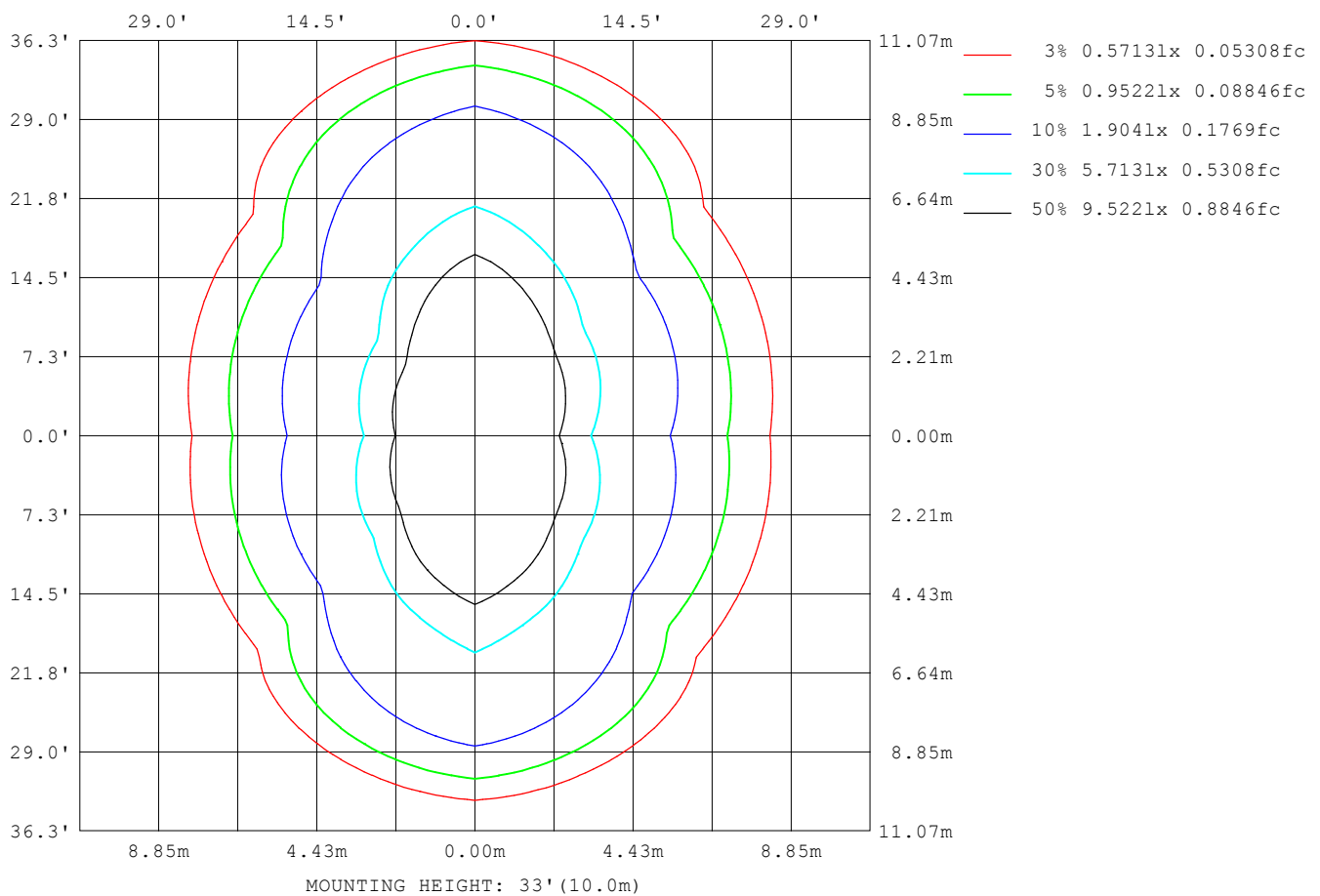
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-01-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 7.540m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: COVO light 1ft	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-01-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: COVO light 1ft	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

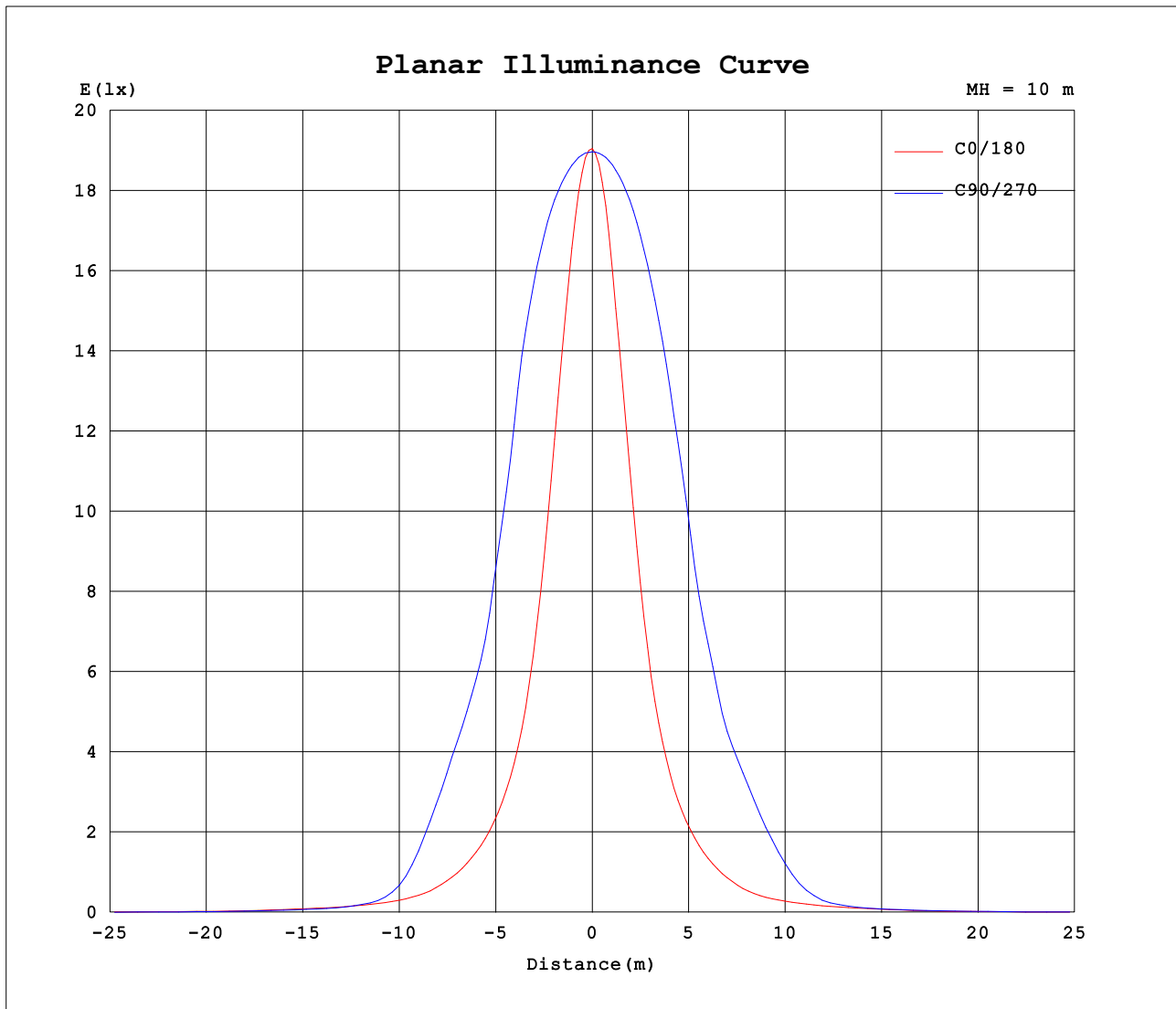
AvgL	cd/m2
L_0~180 (65) av	537
L_0~180 (75) av	243
L_0~180 (85) av	69
L_90~270 (65) av	494
L_90~270 (75) av	277
L_90~270 (85) av	43
L_45 (65) av	522
L_45 (75) av	235
L_45 (85) av	74

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-01-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-01-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 7.540m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: COVO light 1ft	TYPE:4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	1904	1895	1897	1901	1904	1895	1897	1901										
5	1752	1855	1895	1790	1709	1746	1895	1839										
10	1344	1641	1883	1530	1267	1451	1882	1623										
15	884	1304	1831	1186	819	1088	1834	1299										
20	551	926	1673	833	513	755	1717	939										
25	370	606	1309	546	339	505	1478	629										
30	257	378	967	338	230	337	1119	409										
35	178	232	774	212	157	226	821	255										
40	120	149	509	135	105	149	622	166										
45	86.1	99.4	190	91.2	78.8	101	345	113										
50	67.8	68.3	74.8	63.0	62.6	71.1	115	78.1										
55	54.8	47.5	45.0	44.3	50.3	50.8	57.6	54.8										
60	39.2	33.1	31.1	30.7	31.6	35.8	39.3	38.4										
65	24.9	21.0	17.3	19.1	20.5	22.7	24.4	25.4										
70	14.1	11.9	10.8	9.75	11.1	12.9	15.2	14.6										
75	7.19	5.78	5.51	4.32	5.37	6.51	8.81	7.67										
80	3.06	2.28	1.67	1.72	2.00	2.59	4.00	3.29										
85	0.78	0.58	0.13	0.32	0.43	0.67	0.63	1.00										
90	0.00	0.13	0.00	0.13	0.00	0.12	0.00	0.21										
95	0.00	0.11	0.00	0.11	0.00	0.10	0.00	0.14										
100	0.00	0.08	0.00	0.08	0.00	0.08	0.00	0.10										
105	0.00	0.06	0.00	0.05	0.00	0.06	0.00	0.07										
110	0.00	0.04	0.00	0.03	0.00	0.02	0.00	0.04										
115	0.00	0.04	0.02	0.03	0.00	0.03	0.00	0.03										
120	0.01	0.05	0.08	0.04	0.00	0.03	0.04	0.04										
125	0.03	0.07	0.15	0.07	0.02	0.05	0.08	0.05										
130	0.05	0.11	0.24	0.13	0.05	0.08	0.15	0.09										
135	0.10	0.17	0.35	0.21	0.09	0.14	0.24	0.14										
140	0.16	0.26	0.47	0.34	0.15	0.26	0.35	0.23										
145	0.26	0.38	0.56	0.52	0.24	0.41	0.46	0.33										
150	0.41	0.52	0.68	0.70	0.38	0.58	0.58	0.45										
155	0.62	0.65	0.78	0.88	0.58	0.75	0.69	0.58										
160	0.85	0.78	0.88	1.03	0.78	0.90	0.80	0.71										
165	1.03	0.88	0.97	1.14	0.96	1.02	0.92	0.83										
170	1.13	0.98	1.05	1.19	1.08	1.09	1.02	0.95										
175	1.16	1.07	1.11	1.20	1.13	1.13	1.10	1.06										
180	1.16	1.13	1.13	1.16	1.15	1.13	1.14	1.16										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-01-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks: