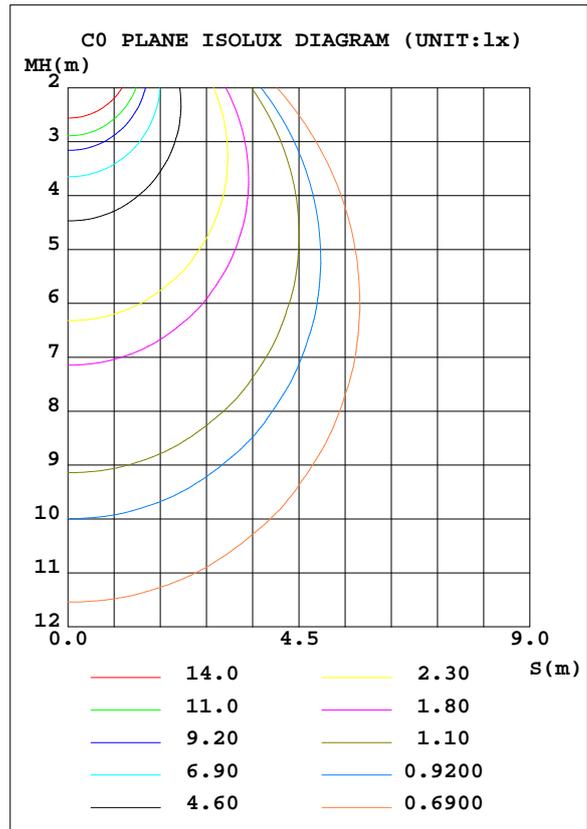
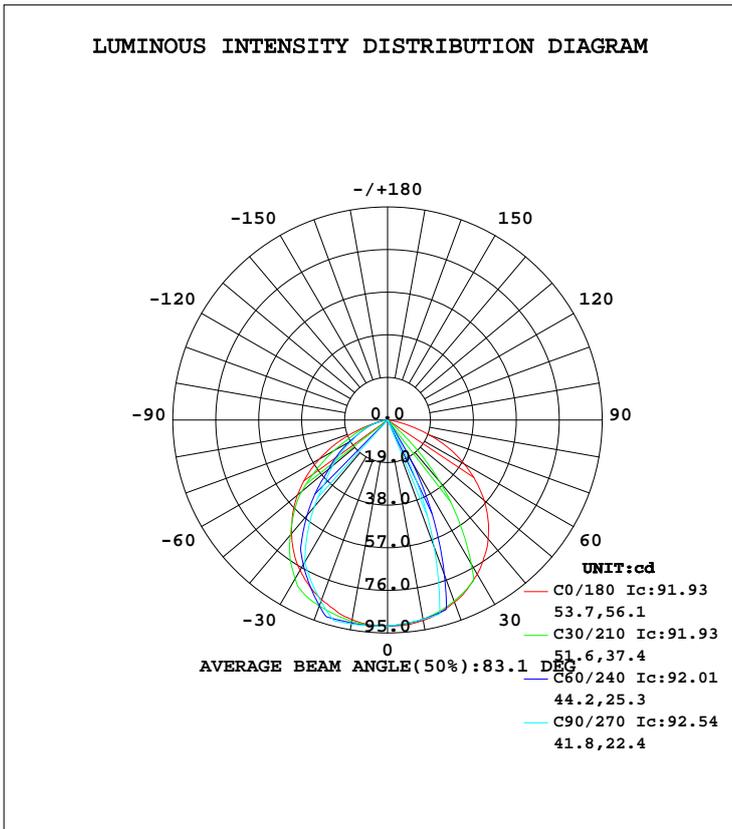


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:11.85V I:0.2906A P:3.260W PF:0.9469 Lamp Flux:235x1 lm		
NAME: 489911	TYPE:489911	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 64.30 lm/W			
MODEL	489911	I <sub>max</sub> (cd)	92.78	S/MH(C0/180)	1.25
NOMINAL POWER(W)	4	LOR(%)	89.2	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	160.57	η UP, DN(C0-180)	0.0,29.9
NOMINAL FLUX(lm)	180	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,59.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	12	η down(%)	89.2	CIBSE SHR MAX	0.90



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-07-12

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [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
5	91.73	91.23	91.05	91.21	91.65	91.94	92.08	91.98	0- 5	2.193	2.193	1.37,1.22
10	90.80	90.17	90.25	89.90	90.39	91.59	92.31	91.42	5- 10	6.526	8.719	5.43,4.84
15	88.97	88.57	89.45	88.17	88.15	90.92	92.54	90.83	10- 15	10.71	19.43	12.1,10.8
20	86.45	86.62	60.25	86.11	85.21	89.94	86.13	89.96	15- 20	14.26	33.68	21,18.7
25	83.37	66.99	31.06	66.39	81.74	84.47	79.71	84.14	20- 25	16.26	49.94	31.1,27.7
30	79.43	44.03	1.863	43.59	77.37	77.50	73.30	77.70	25- 30	16.80	66.74	41.6,37.1
35	74.54	21.10	1.370	20.79	72.25	70.31	61.83	71.02	30- 35	16.32	83.06	51.7,46.1
40	69.23	1.586	0.8768	1.570	66.10	62.43	50.37	63.59	35- 40	15.56	98.62	61.4,54.8
45	62.87	1.134	0.3836	1.127	59.39	51.07	38.91	52.82	40- 45	14.30	112.9	70.3,62.7
50	55.78	0.6693	0.2558	0.6926	52.03	39.95	31.84	42.03	45- 50	12.67	125.6	78.2,69.8
55	47.77	0.2272	0.1279	0.2660	43.83	29.25	24.78	31.36	50- 55	10.80	136.4	84.9,75.8
60	39.21	0.1346	0.0000	0.1515	34.86	22.11	17.71	23.97	55- 60	8.740	145.1	90.4,80.6
65	30.15	0.0460	0	0.0521	25.59	15.18	13.57	16.67	60- 65	6.544	151.7	94.5,84.3
70	20.01	0	0	0.0024	15.46	9.695	9.431	10.86	65- 70	4.547	156.2	97.3,86.8
75	10.50	0	0	0.0100	6.959	6.033	5.293	6.897	70- 75	2.784	159.0	99,88.3
80	3.546	0	0	0.0130	1.628	2.420	0	2.834	75- 80	1.282	160.3	99.8,89
85	0.2153	0	0	0	0.0001	0	0	0	80- 85	0.2700	160.6	100,89.2
90	0	0	0	0	0	0	0	0	85- 90	0.0150	160.6	100,89.2
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

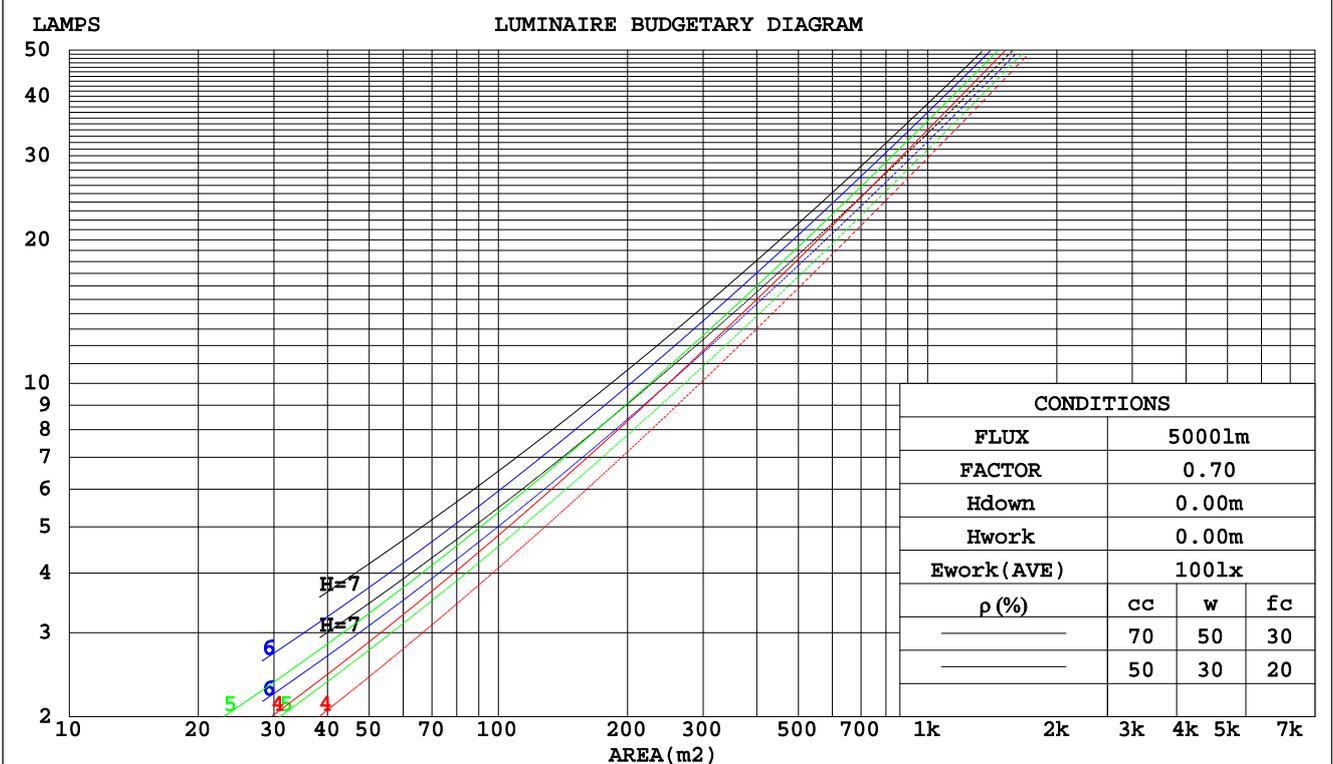
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-07-12

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:11.85V I:0.2906A P:3.260W PF:0.9469 Lamp Flux:235x1 lm		
NAME: 489911	TYPE:489911	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.06	1.06	1.06	1.04	1.04	1.04	.99	.99	.99	.95	.95	.95	.91	.91	.91	.89
1.0	.96	.93	.90	.94	.91	.89	.90	.88	.86	.87	.85	.83	.84	.82	.81	.79
2.0	.86	.81	.77	.84	.80	.76	.81	.77	.74	.78	.75	.72	.76	.73	.71	.69
3.0	.77	.71	.66	.76	.70	.66	.73	.69	.65	.71	.67	.63	.69	.65	.62	.61
4.0	.70	.63	.58	.69	.62	.58	.67	.61	.57	.65	.60	.56	.63	.59	.55	.54
5.0	.63	.56	.51	.62	.56	.51	.61	.55	.51	.59	.54	.50	.57	.53	.50	.48
6.0	.58	.51	.46	.57	.51	.46	.56	.50	.45	.54	.49	.45	.53	.48	.45	.43
7.0	.53	.46	.41	.53	.46	.41	.51	.45	.41	.50	.45	.41	.49	.44	.40	.39
8.0	.49	.42	.38	.49	.42	.38	.47	.42	.37	.46	.41	.37	.45	.41	.37	.35
9.0	.46	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.34	.42	.37	.34	.32
10.0	.42	.36	.32	.42	.36	.32	.41	.35	.31	.40	.35	.31	.40	.35	.31	.30



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:Y  
 Test Date:2025-07-12

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:11.85V I:0.2906A P:3.260W PF:0.9469 Lamp Flux:235x1 lm		
NAME: 489911	TYPE:489911	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.217	.123	.039	.211	.120	.038	.199	.114	.036	.188	.109	.035	.179	.104	.033	
2.0	.211	.116	.035	.205	.113	.035	.195	.109	.034	.186	.105	.033	.178	.101	.032	
3.0	.200	.106	.032	.195	.105	.031	.187	.101	.031	.178	.098	.030	.171	.095	.029	
4.0	.188	.098	.029	.184	.096	.028	.176	.094	.028	.169	.091	.027	.163	.088	.027	
5.0	.177	.090	.026	.173	.089	.026	.166	.087	.026	.160	.084	.025	.154	.082	.025	
6.0	.166	.083	.024	.163	.082	.024	.157	.080	.023	.151	.079	.023	.146	.077	.023	
7.0	.157	.077	.022	.154	.077	.022	.148	.075	.022	.143	.073	.021	.138	.072	.021	
8.0	.148	.072	.020	.145	.071	.020	.140	.070	.020	.136	.069	.020	.131	.067	.020	
9.0	.140	.068	.019	.137	.067	.019	.133	.066	.019	.129	.065	.018	.125	.063	.018	
10.0	.132	.063	.018	.130	.063	.018	.126	.062	.017	.123	.061	.017	.119	.060	.017	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.170	.170	.170	.145	.145	.145	.099	.099	.099	.057	.057	.057	.018	.018	.018	
1.0	.157	.140	.125	.134	.120	.107	.092	.083	.074	.053	.048	.043	.017	.015	.014	
2.0	.147	.118	.093	.126	.102	.081	.086	.070	.056	.050	.041	.033	.016	.013	.011	
3.0	.139	.102	.072	.119	.088	.062	.082	.061	.044	.047	.036	.026	.015	.012	.008	
4.0	.132	.089	.057	.113	.077	.050	.078	.054	.035	.045	.032	.021	.014	.010	.007	
5.0	.125	.080	.046	.107	.069	.040	.074	.048	.028	.043	.028	.017	.014	.009	.006	
6.0	.119	.072	.038	.102	.062	.033	.070	.044	.024	.041	.026	.014	.013	.008	.005	
7.0	.113	.066	.032	.097	.057	.028	.067	.040	.020	.039	.023	.012	.013	.008	.004	
8.0	.108	.060	.028	.093	.052	.024	.064	.037	.017	.037	.022	.010	.012	.007	.003	
9.0	.103	.056	.024	.088	.049	.021	.061	.034	.015	.036	.020	.009	.012	.007	.003	
10.0	.098	.052	.021	.085	.045	.019	.059	.032	.013	.034	.019	.008	.011	.006	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:Y  
 Test Date:2025-07-12

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:11.85V I:0.2906A P:3.260W PF:0.9469 Lamp Flux:235x1 lm		
NAME: 489911	TYPE:489911	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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	9.6	8.6	9.8	10.0	-22.7	-21.4	-22.4	-21.2	-21.0
3H	9.3	10.5	9.6	10.7	10.9	-22.9	-21.7	-22.6	-21.4	-21.2
4H	9.4	10.6	9.7	10.8	11.1	-23.0	-21.8	-22.7	-21.6	-21.3
6H	9.4	10.5	9.7	10.8	11.0	-23.1	-22.0	-22.7	-21.7	-21.5
8H	9.4	10.4	9.7	10.7	11.0	-23.1	-22.1	-22.8	-21.8	-21.5
12H	9.3	10.3	9.7	10.6	10.9	-23.2	-22.2	-22.8	-21.9	-21.6
4H 2H	8.0	9.2	8.3	9.4	9.6	-20.9	-19.8	-20.6	-19.5	-19.3
3H	9.0	10.0	9.3	10.2	10.5	-21.1	-20.1	-20.8	-19.8	-19.6
4H	9.1	10.0	9.5	10.3	10.7	-21.2	-20.3	-20.8	-20.0	-19.7
6H	9.1	9.9	9.5	10.3	10.6	-21.3	-20.5	-20.9	-20.2	-19.8
8H	9.1	9.8	9.5	10.2	10.6	-21.3	-20.6	-20.9	-20.3	-19.9
12H	9.1	9.7	9.5	10.1	10.5	-21.4	-20.7	-21.0	-20.4	-20.0
8H 4H	9.0	9.7	9.4	10.1	10.5	-21.3	-20.6	-20.9	-20.2	-19.9
6H	9.0	9.6	9.4	10.0	10.4	-21.4	-20.8	-21.0	-20.4	-20.0
8H	9.0	9.5	9.4	9.9	10.4	-21.5	-20.9	-21.0	-20.5	-20.1
12H	8.9	9.4	9.4	9.8	10.3	-21.5	-21.1	-21.0	-20.6	-20.1
12H 4H	9.0	9.6	9.4	10.0	10.4	-21.4	-20.7	-21.0	-20.3	-19.9
6H	9.0	9.5	9.4	9.9	10.3	-21.5	-20.9	-21.0	-20.5	-20.1
8H	8.9	9.4	9.4	9.8	10.3	-21.5	-21.1	-21.0	-20.6	-20.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.3 / - 5.4					+ 2.4 / -10.0				
1.5H	+ 2.6 / -22.7					+ 3.0 / - 5.0				
2.0H	+ 3.6 / -35.7					+ 3.4 / -32.9				

CIE Pub.117 Corrected 180.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -6.0)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-07-12

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:11.85V I:0.2906A P:3.260W PF:0.9469 Lamp Flux:235x1 lm		
NAME: 489911	TYPE:489911	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

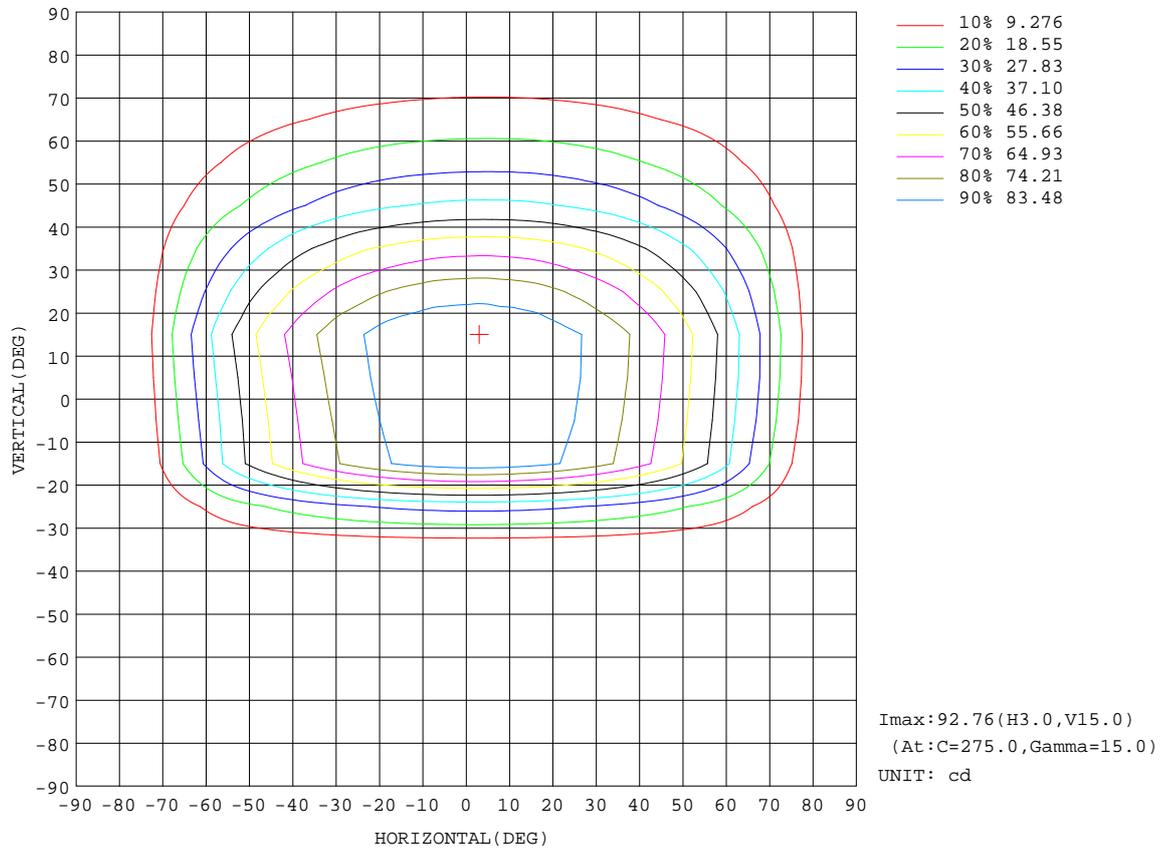
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	51	46	59	51	46	58	51	46	41
0.80	69	60	55	68	60	55	67	59	54	49
1.00	76	68	62	75	67	62	73	68	62	56
1.25	81	74	69	80	73	68	78	72	68	62
1.50	85	78	73	84	77	73	81	76	72	66
2.00	90	84	80	89	83	79	86	81	78	72
2.50	93	87	83	91	86	82	88	84	81	74
3.00	95	90	87	93	89	86	90	86	84	77
4.00	98	94	91	96	92	90	92	89	87	80
5.00	99	96	93	97	94	92	94	91	89	82
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:Y  
 Test Date:2025-07-12

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:11.85V I:0.2906A P:3.260W PF:0.9469 Lamp Flux:235x1 lm		
NAME: 489911	TYPE:489911	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



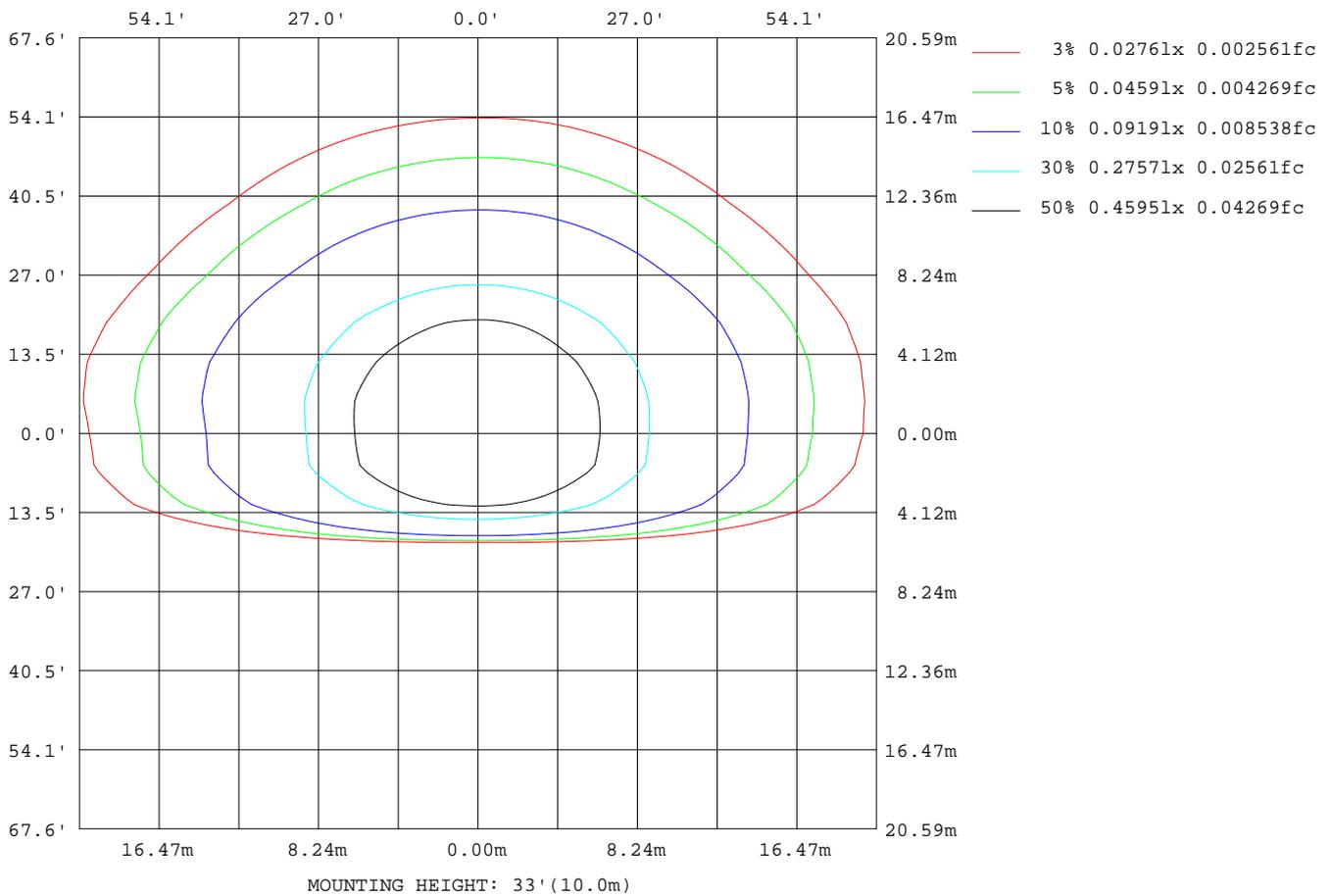
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 20DEG  
 Operators: Y  
 Test Date: 2025-07-12

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.750m [K=1.0000]  
 Remarks:



**ISOLUX DIAGRAM**

Test:U:11.85V I:0.2906A P:3.260W PF:0.9469 Lamp Flux:235x1 lm		
NAME: 489911	TYPE:489911	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:Y  
 Test Date:2025-07-12

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:11.85V I:0.2906A P:3.260W PF:0.9469 Lamp Flux:235x1 lm		
NAME: 489911	TYPE:489911	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

AvgL	cd/m2
L_0~180(65)av	330
L_0~180(75)av	169
L_0~180(85)av	6
L_90~270(65)av	80
L_90~270(75)av	51
L_90~270(85)av	0
L_45(65)av	94
L_45(75)av	62
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-07-12

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 20DEG  
 Operators: Y  
 Test Date: 2025-07-12

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.750m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.85V I:0.2906A P:3.260W PF:0.9469 Lamp Flux:235x1 lm		
NAME: 489911	TYPE:489911	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
5	91.7	91.7	91.6	91.5	91.5	91.4	91.4	91.3	91.3	91.2	91.2	91.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1
10	90.8	90.6	90.5	90.4	90.3	90.2	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3
15	89.0	88.8	88.6	88.5	88.4	88.4	88.4	88.4	88.5	88.6	88.7	88.8	89.0	89.1	89.3	89.3	89.4	89.5	89.4
20	86.4	86.1	85.9	85.8	85.7	85.8	86.0	86.2	86.4	86.6	83.7	78.4	73.6	69.6	66.3	63.7	61.8	60.7	60.3
25	83.4	83.0	82.7	82.7	82.7	82.8	83.1	83.4	74.9	67.0	59.7	53.2	47.4	42.5	38.4	35.2	32.9	31.5	31.1
30	79.4	78.9	78.7	78.6	78.8	79.1	74.1	63.5	53.3	44.0	35.5	27.9	21.2	15.4	10.6	6.78	4.05	2.41	1.86
35	74.5	74.0	73.9	73.9	74.3	68.0	55.1	43.0	31.6	21.1	11.4	2.65	1.67	1.58	1.50	1.44	1.40	1.37	1.37
40	69.2	68.6	68.4	68.7	64.8	50.0	35.9	22.6	9.93	1.59	1.44	1.31	1.20	1.10	1.02	0.96	0.91	0.88	0.88
45	62.9	62.2	62.1	62.6	48.0	32.1	16.9	2.24	1.31	1.13	0.97	0.84	0.72	0.62	0.53	0.47	0.42	0.39	0.38
50	55.8	55.0	55.0	48.4	31.1	14.4	1.29	1.06	0.85	0.67	0.50	0.36	0.31	0.29	0.28	0.27	0.26	0.25	0.26
55	47.8	46.9	47.2	32.3	14.7	1.12	0.86	0.62	0.41	0.23	0.21	0.20	0.19	0.17	0.16	0.15	0.13	0.13	0.13
60	39.2	37.8	34.2	16.9	0.97	0.67	0.41	0.17	0.15	0.13	0.11	0.09	0.07	0.05	0.04	0.02	0.01	0.00	0.00
65	30.2	27.7	18.8	2.91	0.53	0.23	0.08	0.08	0.06	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	20.0	17.1	6.38	0.43	0.11	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	10.5	6.78	0.34	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	3.55	0.76	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-07-12

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.85V I:0.2906A P:3.260W PF:0.9469 Lamp Flux:235x1 lm		
NAME: 489911	TYPE:489911	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.5	91.6	91.6	91.7
10	90.2	90.2	90.2	90.2	90.1	90.0	90.0	90.0	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.1	90.2	90.4	90.5
15	89.4	89.3	89.2	89.0	88.9	88.7	88.5	88.3	88.2	88.0	87.9	87.9	87.8	87.8	87.8	87.8	88.0	88.2	88.3
20	60.6	61.7	63.5	66.1	69.4	73.3	78.0	83.3	86.1	85.8	85.4	85.1	84.9	84.8	84.8	84.8	85.0	85.2	85.5
25	31.5	32.9	35.1	38.3	42.3	47.2	52.8	59.3	66.4	74.2	82.6	82.1	81.7	81.5	81.3	81.3	81.4	81.7	82.1
30	2.41	4.05	6.77	10.5	15.3	21.0	27.7	35.2	43.6	52.7	62.5	73.0	77.8	77.3	77.0	76.9	77.0	77.4	78.1
35	1.38	1.40	1.45	1.51	1.59	1.68	2.65	11.3	20.8	31.1	42.2	54.0	66.4	72.5	72.0	71.8	71.9	72.3	73.1
40	0.89	0.92	0.97	1.03	1.12	1.21	1.32	1.44	1.57	9.74	22.1	35.1	48.7	62.9	66.3	65.8	65.7	66.1	67.3
45	0.40	0.43	0.48	0.55	0.64	0.74	0.86	0.99	1.13	1.29	2.18	16.3	31.0	46.2	60.1	59.2	59.0	59.4	60.9
50	0.26	0.27	0.28	0.30	0.32	0.34	0.40	0.54	0.69	0.85	1.04	1.23	13.8	29.7	46.0	52.1	51.7	52.0	53.9
55	0.13	0.14	0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.43	0.61	0.82	1.06	13.9	30.6	44.4	43.6	43.8	46.0
60	0.00	0.01	0.02	0.04	0.06	0.09	0.11	0.13	0.15	0.17	0.19	0.41	0.66	0.92	15.8	31.4	34.1	34.9	37.3
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.08	0.09	0.10	0.25	0.52	2.66	16.7	24.1	25.6	28.0
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.05	0.12	0.41	5.42	14.1	15.5	18.3
75	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.04	0.29	4.97	6.96	8.66
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.00	0.01	0.39	1.63	2.59
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.04	0.01	0.00	0.00	0.31
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:Y  
Test Date:2025-07-12

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:



