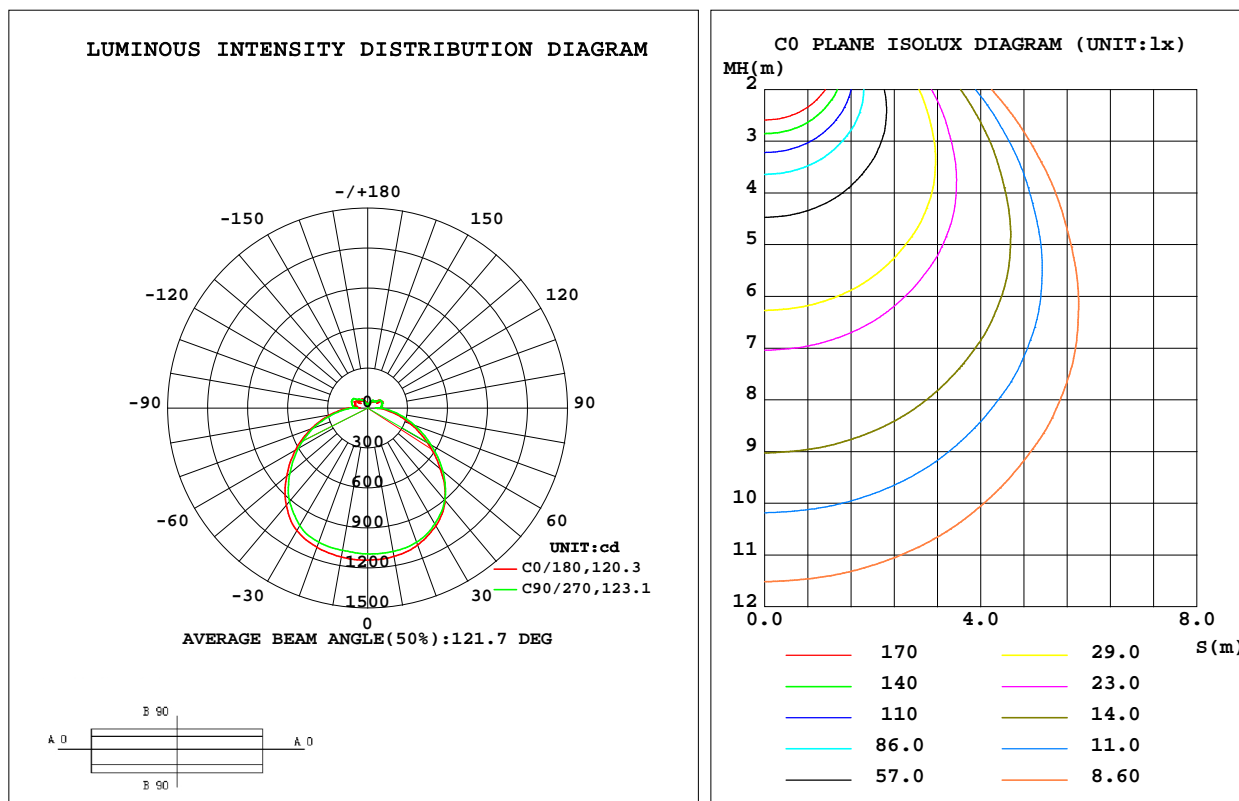


## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.20V I:0.3364A P:71.662W PF:0.9675 Freq:50.00Hz Lamp Flux:4367.19x1 lm		
NAME: SB-J01A70WSZ	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: SNOWBALL	SUR.:1500*1500mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 60.94 lm/W			
MODEL		I <sub>max</sub> (cd)	1141	S/MH(C0/180)	1.38
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.37
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	4367.2	η UP,DN(C0-180)	7.3,40.7
NOMINAL FLUX(lm)	4367.19	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	7.8,44.3
LAMPS INSIDE	1	η up(%)	15.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	--	η down(%)	84.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOXIN  
 Test Date:2023-06-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1131	1110	1093	1080	1135	1107	1083	1076	0- 10	105.3	105.3	2.41,2.41
20	1094	1092	1072	1051	1112	1073	1071	1045	10- 20	308.2	413.5	9.47,9.47
30	1023	1024	1006	968.1	1063	998.6	1018	1006	20- 30	482.4	895.9	20.5,20.5
40	904.8	859.4	900.2	802.8	950.3	867.3	911.8	950.9	30- 40	596.3	1492	34.2,34.2
50	713.9	693.1	737.7	642.8	794.6	704.9	762.9	781.6	40- 50	625.6	2118	48.5,48.5
60	518.0	532.6	548.4	488.9	625.8	545.6	599.4	610.1	50- 60	575.9	2694	61.7,61.7
70	338.8	383.8	372.2	346.9	448.1	393.5	430.0	447.9	60- 70	473.5	3167	72.5,72.5
80	184.9	251.6	219.9	224.4	284.1	259.0	258.7	297.9	70- 80	340.5	3508	80.3,80.3
90	105.5	140.1	59.15	115.2	145.7	91.74	106.3	174.9	80- 90	200.9	3709	84.9,84.9
100	111.2	131.8	106.7	138.2	81.38	137.6	115.2	138.6	90-100	122.6	3831	87.7,87.7
110	116.8	139.3	118.0	112.3	99.50	125.3	128.6	154.7	100-110	136.9	3968	90.9,90.9
120	80.52	134.3	113.4	124.1	87.62	143.3	132.3	141.7	110-120	127.4	4096	93.8,93.8
130	79.83	115.1	76.27	104.4	89.54	117.8	102.7	134.0	120-130	104.7	4200	96.2,96.2
140	65.87	98.03	70.21	93.15	76.86	95.54	85.75	108.6	130-140	75.03	4275	97.9,97.9
150	56.42	72.00	62.61	75.43	77.64	77.13	67.53	80.96	140-150	50.51	4326	99.1,99.1
160	36.24	49.05	43.82	53.38	54.74	53.05	43.14	54.28	150-160	28.59	4354	99.7,99.7
170	21.01	28.75	26.89	24.76	33.71	24.52	25.44	32.49	160-170	11.00	4365	100,100
180	13.10	10.91	12.37	12.03	12.78	10.99	12.45	12.11	170-180	1.852	4367	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1807 lm

%lum = 41.4%

%lamp = 41.4%

Conical surface Flux(120deg): 2693.8 lm

%lum = 61.7%

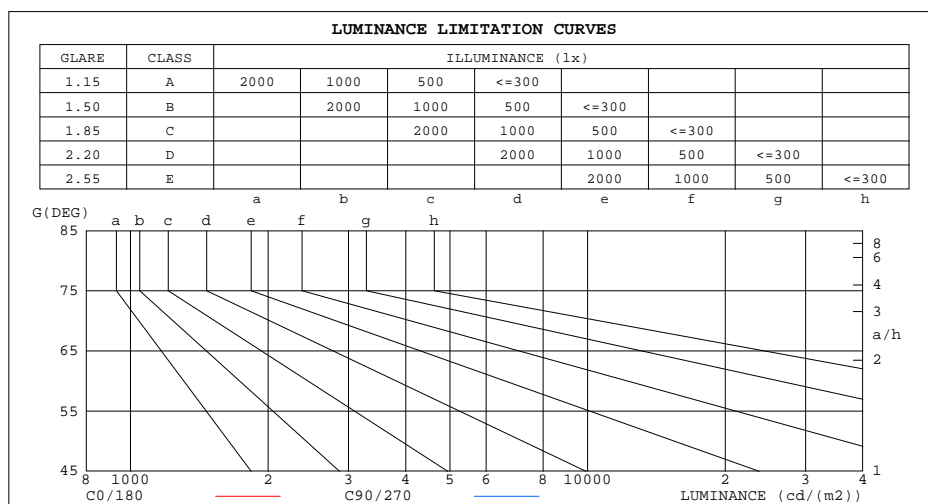
%lamp = 61.7%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOXIN  
 Test Date:2023-06-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:220.20V I:0.3364A P:71.662W PF:0.9675 Freq:50.00Hz Lamp Flux:4367.19x1 lm		
NAME: SB-J01A70WSZ	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: SNOWBALL	SUR.:1500*1500mm	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	646	788
80	473	563
75	446	502
70	440	484
65	448	481
60	460	487
55	478	498
50	494	510
45	514	518

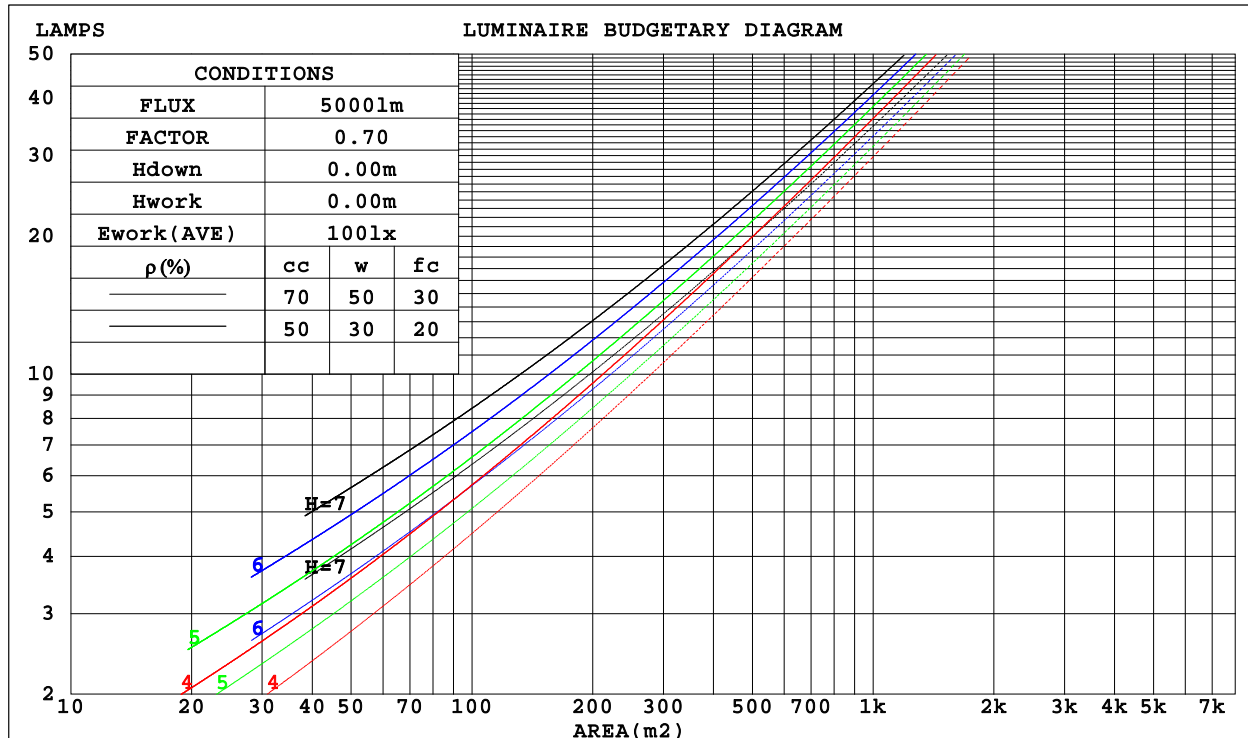
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:XIAOXIN  
Test Date:2023-06-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.000m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.20V I:0.3364A P:71.662W PF:0.9675 Freq:50.00Hz Lamp Flux:4367.19x1 lm		
NAME: SB-J01A70WSZ	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: SNOWBALL	SUR.:1500*1500mm	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.11	1.11	1.11	1.03	1.03	1.03	.95	.95	.95	.88	.88	.88	.85
1.0	.98	.94	.89	.95	.90	.86	.88	.84	.81	.81	.78	.76	.75	.73	.71	.68
2.0	.85	.78	.72	.82	.75	.70	.76	.70	.66	.70	.66	.62	.65	.62	.58	.55
3.0	.74	.66	.59	.71	.64	.57	.66	.60	.54	.62	.56	.52	.57	.53	.49	.46
4.0	.65	.56	.49	.63	.55	.48	.59	.52	.46	.55	.49	.44	.51	.46	.42	.39
5.0	.58	.49	.42	.56	.48	.41	.52	.45	.40	.49	.43	.38	.45	.40	.36	.33
6.0	.52	.43	.37	.50	.42	.36	.47	.40	.34	.44	.38	.33	.41	.36	.31	.29
7.0	.47	.38	.32	.46	.37	.32	.43	.36	.30	.40	.34	.29	.37	.32	.28	.26
8.0	.43	.34	.29	.42	.34	.28	.39	.32	.27	.37	.30	.26	.34	.29	.25	.23
9.0	.39	.31	.25	.38	.30	.25	.36	.29	.24	.34	.28	.23	.32	.26	.22	.20
10.0	.36	.28	.23	.35	.28	.23	.33	.26	.22	.31	.25	.21	.29	.24	.20	.18



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOXIN  
 Test Date:2023-06-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:

## WEC AND CCEC

Test:U:220.20V I:0.3364A P:71.662W PF:0.9675 Freq:50.00Hz Lamp Flux:4367.19x1 lm		
NAME: SB-J01A70WSZ	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: SNOWBALL	SUR.:1500*1500mm	

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	.344	.196	.062	.332	.190	.060	.310	.178	.057	.290	.167	.054	.271	.157	.051	
2.0	.309	.169	.052	.298	.164	.051	.278	.155	.048	.260	.146	.046	.243	.138	.043	
3.0	.280	.149	.045	.270	.145	.044	.252	.137	.042	.236	.129	.040	.220	.122	.038	
4.0	.255	.132	.039	.246	.129	.038	.230	.122	.036	.215	.115	.035	.201	.109	.033	
5.0	.234	.119	.034	.226	.116	.034	.211	.110	.032	.197	.104	.031	.185	.099	.030	
6.0	.215	.108	.031	.208	.105	.030	.195	.100	.029	.182	.095	.028	.171	.090	.027	
7.0	.200	.099	.028	.193	.096	.027	.181	.091	.026	.170	.087	.025	.159	.083	.024	
8.0	.186	.091	.026	.180	.089	.025	.169	.084	.024	.158	.080	.023	.148	.076	.022	
9.0	.174	.084	.023	.168	.082	.023	.158	.078	.022	.148	.074	.021	.139	.071	.020	
10.0	.163	.078	.022	.158	.076	.021	.149	.073	.020	.140	.069	.020	.131	.066	.019	

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	.305	.305	.305	.261	.261	.261	.178	.178	.178	.102	.102	.102	.033	.033	.033	
1.0	.299	.272	.248	.255	.233	.213	.175	.160	.147	.101	.093	.086	.032	.030	.028	
2.0	.291	.248	.213	.249	.214	.184	.171	.148	.128	.099	.086	.075	.032	.028	.024	
3.0	.284	.232	.190	.243	.200	.165	.167	.139	.116	.096	.081	.068	.031	.026	.022	
4.0	.276	.219	.175	.237	.189	.152	.163	.132	.107	.094	.077	.063	.030	.025	.021	
5.0	.269	.209	.165	.231	.181	.143	.159	.126	.101	.092	.074	.060	.030	.024	.020	
6.0	.261	.201	.157	.225	.174	.137	.155	.122	.097	.090	.072	.058	.029	.023	.019	
7.0	.255	.194	.152	.219	.168	.132	.151	.118	.094	.088	.070	.056	.028	.023	.018	
8.0	.248	.189	.148	.214	.164	.129	.148	.115	.091	.086	.068	.054	.028	.022	.018	
9.0	.242	.184	.144	.208	.160	.126	.144	.112	.089	.084	.066	.053	.027	.022	.018	
10.0	.236	.180	.142	.204	.156	.124	.141	.110	.088	.082	.065	.053	.027	.021	.017	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOXIN  
 Test Date:2023-06-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.20V I:0.3364A P:71.662W PF:0.9675 Freq:50.00Hz Lamp Flux:4367.19x1 lm										
NAME: SB-J01A70WSZ					TYPE:			WEIGHT:		
SPEC.:4000K					DIM.:			SERIAL No.:		
MFR.: SNOWBALL					SUR.:1500*1500mm					
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	9.1	10.5	9.6	10.9	11.4	9.5	10.8	9.9	11.3	11.8
	10.7	12.0	11.2	12.5	13.0	11.2	12.5	11.7	13.0	13.5
	11.5	12.7	12.0	13.2	13.8	12.1	13.2	12.6	13.8	14.3
	12.2	13.3	12.7	13.8	14.4	12.9	14.0	13.4	14.5	15.1
	12.5	13.6	13.1	14.1	14.7	13.2	14.3	13.8	14.8	15.4
	12.8	13.9	13.4	14.4	15.0	13.6	14.7	14.2	15.2	15.8
4H	9.8	11.0	10.3	11.5	12.0	10.0	11.2	10.6	11.7	12.3
	11.6	12.7	12.2	13.2	13.8	12.1	13.1	12.6	13.6	14.3
	12.6	13.5	13.1	14.1	14.7	13.1	14.0	13.7	14.6	15.2
	13.4	14.3	14.0	14.9	15.6	14.1	14.9	14.7	15.5	16.2
	13.8	14.6	14.5	15.2	15.9	14.6	15.4	15.2	16.0	16.7
	14.3	15.0	14.9	15.6	16.3	15.1	15.8	15.7	16.4	17.2
8H	13.0	13.8	13.7	14.4	15.1	13.5	14.3	14.1	14.9	15.6
	14.2	14.8	14.8	15.5	16.2	14.8	15.4	15.4	16.1	16.8
	14.8	15.3	15.4	16.0	16.8	15.4	16.0	16.1	16.7	17.5
	15.4	15.9	16.1	16.6	17.4	16.2	16.7	16.9	17.4	18.2
12H	13.1	13.8	13.8	14.5	15.2	13.5	14.2	14.2	14.9	15.6
	14.4	15.0	15.1	15.6	16.4	14.9	15.5	15.6	16.2	16.9
	15.1	15.6	15.8	16.3	17.1	15.7	16.2	16.4	16.9	17.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 4367 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 5.1$ )  
Area: 2.25 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:XIAOXIN  
Test Date:2023-06-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.000m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:220.20V I:0.3364A P:71.662W PF:0.9675 Freq:50.00Hz Lamp Flux:4367.19x1 lm		
NAME: SB-J01A70WSZ	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: SNOWBALL	SUR.:1500*1500mm	

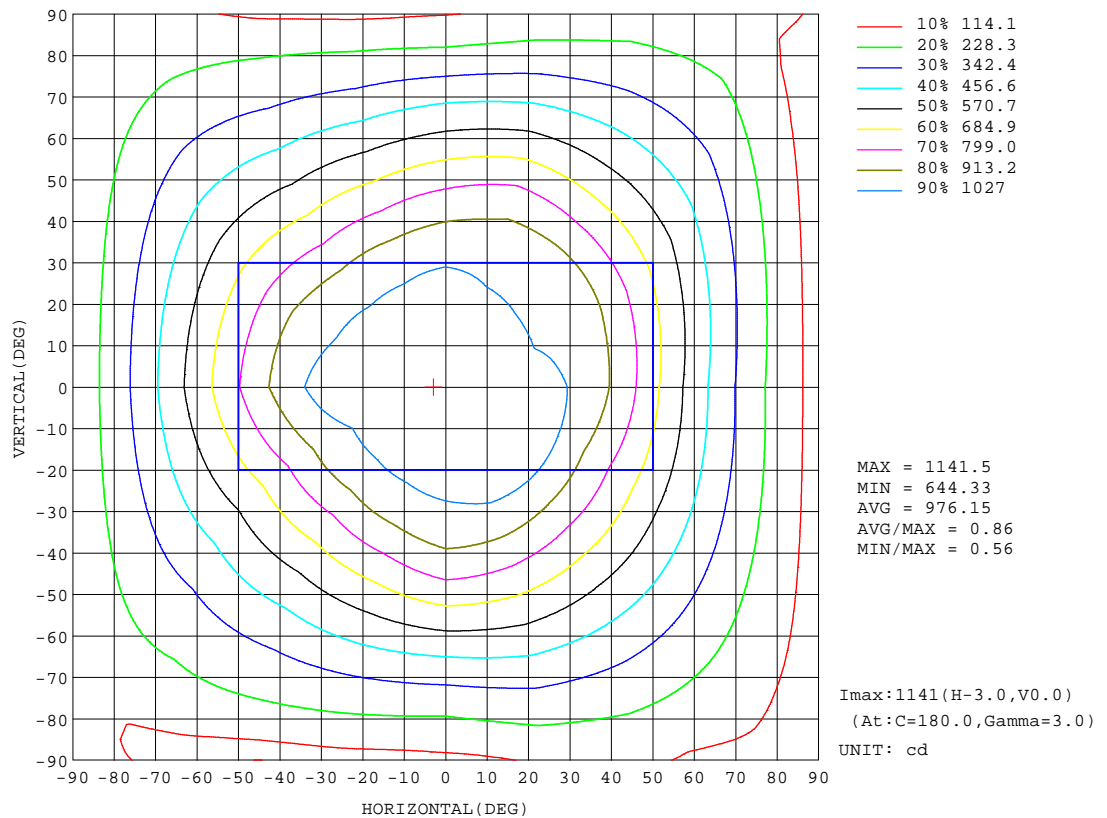
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	51	39	32	50	39	32	48	38	31	25
0.80	61	48	41	59	48	40	56	46	39	32
1.00	69	57	49	67	55	48	63	56	47	38
1.25	76	64	56	73	63	55	69	60	54	44
1.50	81	70	62	78	68	61	73	65	59	49
2.00	88	78	70	85	76	69	79	72	66	55
2.50	92	83	76	89	81	74	83	76	71	59
3.00	96	87	81	92	85	79	86	80	75	62
4.00	100	93	87	96	90	85	89	85	80	67
5.00	103	97	92	99	94	89	92	88	84	70
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOXIN  
 Test Date:2023-06-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:220.20V I:0.3364A P:71.662W PF:0.9675 Freq:50.00Hz Lamp Flux:4367.19x1 lm		
NAME: SB-J01A70WSZ	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: SNOWBALL	SUR.:1500*1500mm	

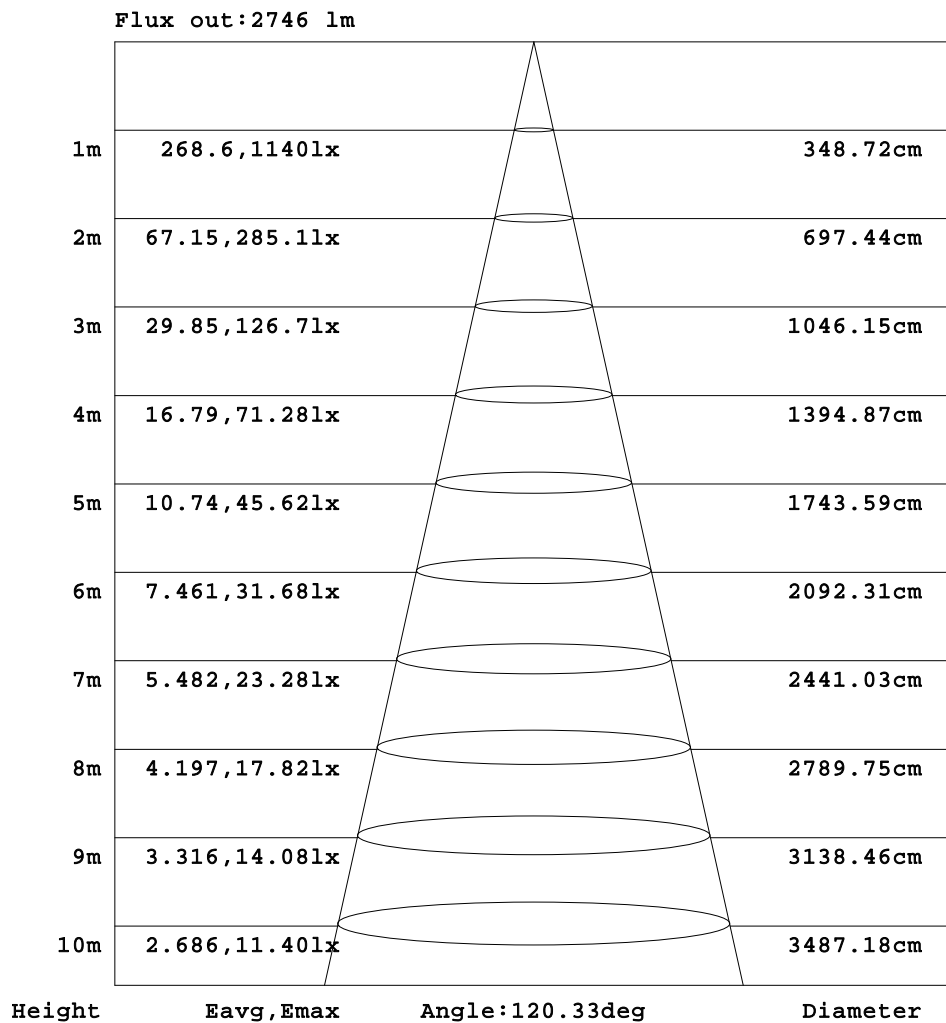


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:XIAOXIN  
Test Date:2023-06-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.000m [K=1.0000]  
Remarks:

## AAI Figure

Test:U:220.20V I:0.3364A P:71.662W PF:0.9675 Freq:50.00Hz Lamp Flux:4367.19x1 lm		
NAME: SB-J01A70WSZ	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: SNOWBALL	SUR.:1500*1500mm	



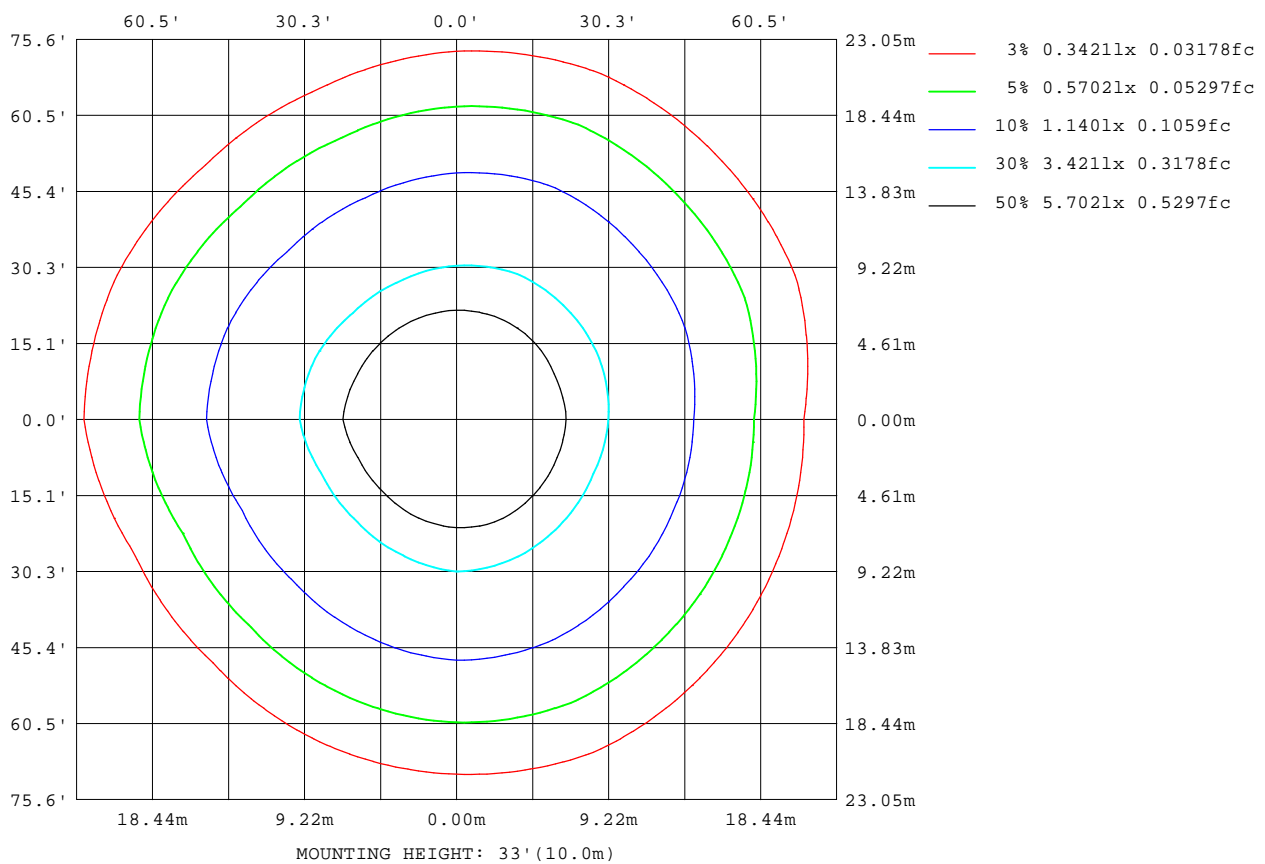
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: XIAOXIN  
 Test Date: 2023-06-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 9.000m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

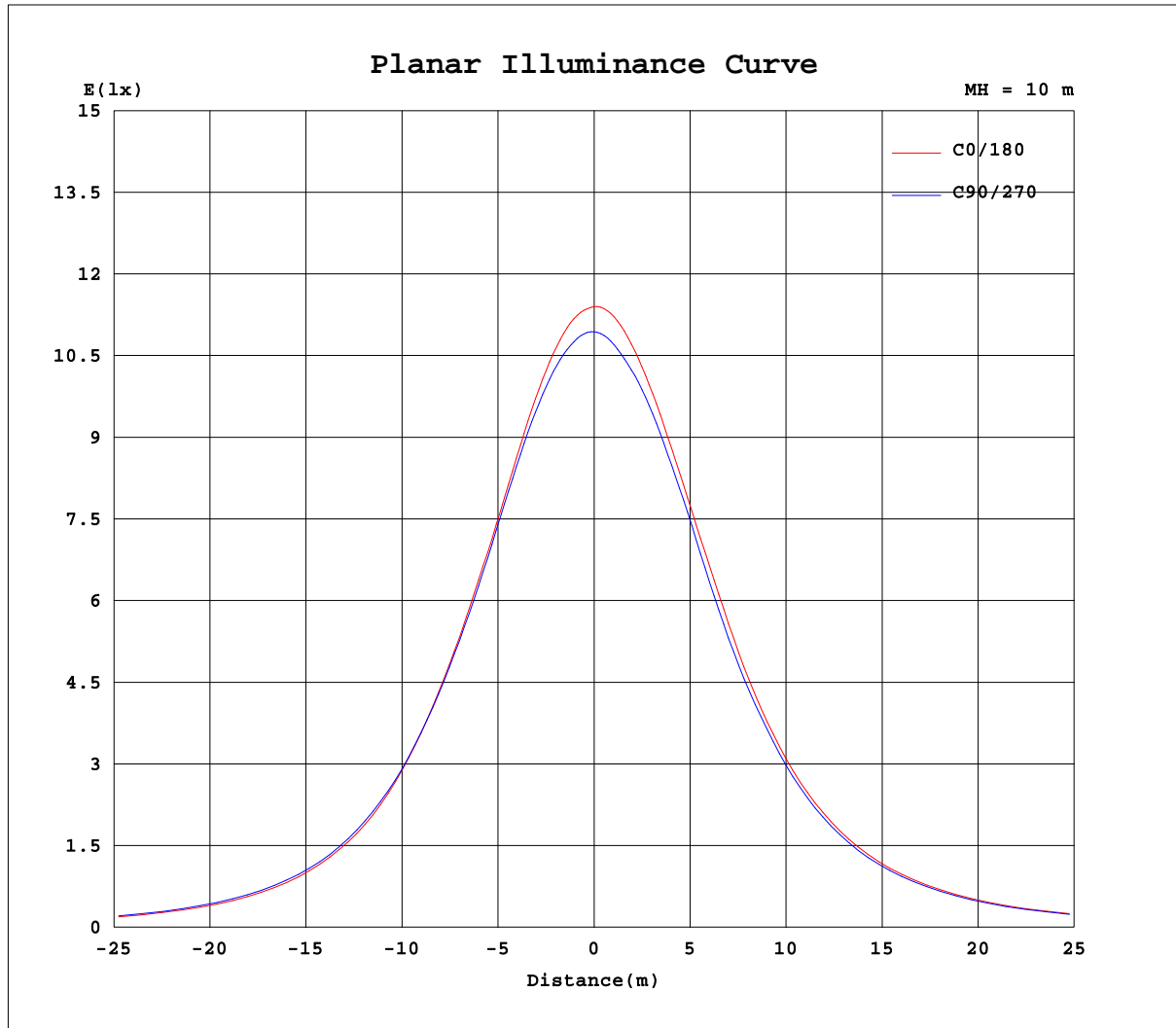
Test:U:220.20V I:0.3364A P:71.662W PF:0.9675 Freq:50.00Hz Lamp Flux:4367.19x1 lm		
NAME: SB-J01A70WSZ	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.: SNOWBALL	SUR.:1500*1500mm	



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: XIAOXIN  
 Test Date: 2023-06-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 9.000m [K=1.0000]  
 Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: XIAOXIN  
Test Date: 2023-06-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 9.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.20V I:0.3364A P:71.662W PF:0.9675 Freq:50.00Hz Lamp Flux:4367.19x1 lm																	
NAME: SB-J01A70WSZ									TYPE:						WEIGHT:		
SPEC.:4000K									DIM.:						SERIAL No.:		
MFR.: SNOWBALL									SUR.:1500*1500mm								

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1140	1133	1122	1106	1094	1090	1088	1090	1140	1133	1122	1106	1094	1090	1088	1090			
5	1138	1129	1119	1105	1094	1088	1086	1090	1141	1132	1118	1100	1090	1086	1084	1085			
10	1131	1124	1110	1101	1093	1083	1080	1086	1135	1124	1107	1092	1083	1080	1076	1077			
15	1117	1113	1103	1090	1086	1077	1073	1078	1126	1112	1094	1085	1081	1075	1065	1065			
20	1094	1091	1092	1077	1072	1059	1051	1055	1112	1099	1073	1072	1071	1057	1045	1043			
25	1061	1067	1073	1056	1046	1026	1020	1024	1092	1064	1039	1040	1055	1032	1024	1018			
30	1023	1019	1024	1025	1006	983	968	984	1063	1016	999	1002	1018	1010	1006	990			
35	971	936	943	965	960	916	885	913	1016	969	947	950	967	977	981	957			
40	905	852	859	885	900	839	803	830	950	921	867	875	912	935	951	923			
45	817	768	776	807	825	756	722	748	878	846	786	795	843	895	868	856			
50	714	685	693	723	738	675	643	667	795	764	705	716	763	813	782	769			
55	617	602	611	642	642	595	564	587	710	683	624	633	682	725	696	683			
60	518	519	533	559	548	516	489	510	626	600	546	551	599	636	610	598			
65	426	438	457	480	457	439	416	435	537	519	469	471	515	546	525	515			
70	339	360	384	400	372	362	347	362	448	437	393	392	430	457	448	432			
75	260	288	315	326	292	290	283	294	362	359	321	319	342	371	370	353			
80	185	223	252	257	220	224	224	230	284	282	259	249	259	287	298	280			
85	127	165	195	194	155	166	172	174	208	212	199	189	184	218	232	214			
90	105	78.8	140	132	59.2	78.3	115	96.2	146	144	91.7	87.2	106	156	175	156			
95	103	113	113	114	103	114	125	105	90.4	117	117	123	111	117	124	129			
100	111	127	132	126	107	122	138	126	81.4	118	138	130	115	128	139	131			
105	112	132	143	131	114	129	140	128	101	124	143	140	122	138	149	140			
110	117	132	139	138	118	132	112	130	99.5	126	125	146	129	145	155	140			
115	122	131	114	139	119	131	136	91.0	111	127	147	145	133	149	147	145			
120	80.5	93.2	134	135	113	117	124	123	87.6	90.1	143	135	132	149	142	115			
125	106	111	125	128	97.7	103	115	112	79.4	128	131	124	128	145	145	118			
130	79.8	101	115	116	76.3	93.8	104	100	89.5	112	118	115	103	135	134	119			
135	70.7	92.0	102	103	79.0	85.5	95.9	90.5	77.4	97.7	106	103	95.4	120	122	106			
140	65.9	83.9	98.0	81.3	70.2	89.6	93.2	77.2	76.9	79.5	95.5	98.2	85.7	98.8	109	94.5			
145	56.4	79.8	84.6	72.9	74.8	84.6	84.2	77.3	69.5	73.8	85.8	93.0	74.0	85.9	97.0	86.5			
150	56.4	69.0	72.0	73.1	62.6	66.6	75.4	77.1	77.6	79.6	77.1	77.2	67.5	76.8	81.0	76.8			
155	45.9	56.1	60.3	63.1	52.0	55.1	65.1	65.7	66.1	68.7	65.7	56.9	54.9	66.3	67.0	64.2			
160	36.2	42.3	49.1	53.1	43.8	44.6	53.4	53.2	54.7	56.2	53.1	43.5	43.1	53.4	54.3	51.2			
165	28.0	30.9	39.6	41.2	34.5	32.7	34.4	39.7	43.2	40.7	40.8	32.9	33.6	42.2	43.1	39.8			
170	21.0	21.8	28.8	31.9	26.9	23.4	24.8	20.1	33.7	29.9	24.5	22.8	25.4	31.7	32.5	25.9			
175	11.4	12.1	16.0	17.0	14.9	13.0	11.9	14.0	18.4	16.2	11.9	10.9	13.7	15.3	19.3	18.8			
180	13.1	10.7	10.9	11.9	12.4	12.3	12.0	11.3	12.8	10.6	11.0	11.9	12.5	12.2	12.1	11.3			

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