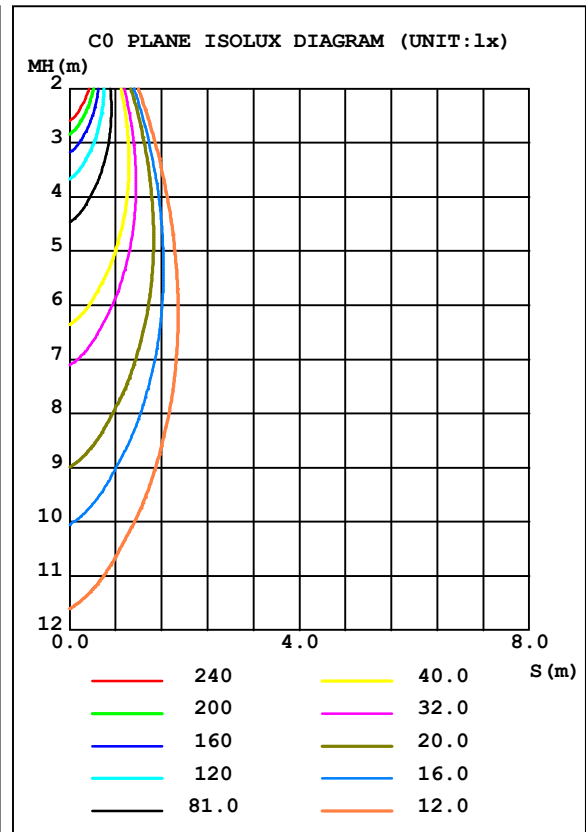
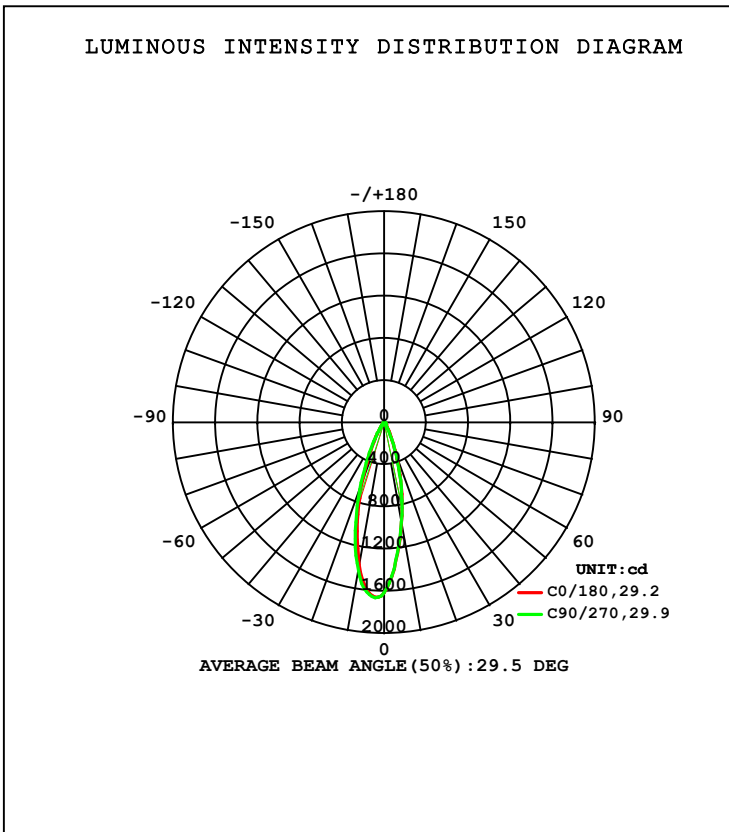


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.07V I:0.0538A P:6.0532W PF:0.5115 Freq:50.00Hz Lamp Flux:720x1 lm		
NAME: DSO075B060LN212-A3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	Bridgelux 5050	Imax (cd)	1703	S/MH (C0/180)	0.57
NOMINAL POWER (W)	6	LOR (%)	75.6	S/MH (C90/270)	0.59
RATED VOLTAGE (V)	100-240	TOTAL FLUX (lm)	544.19	$\eta$ UP, DN (C0-180)	0.0, 30.6
NOMINAL FLUX (lm)	720	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 45.0
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	220	$\eta$ down (%)	75.6	CIBSE SHR MAX	0.55



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: 陈杰梁  
 Test Date: 2020-07-03

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 44%  
 Test Distance: 12.000m [K=1.0000]  
 Remarks: 预热15分钟

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

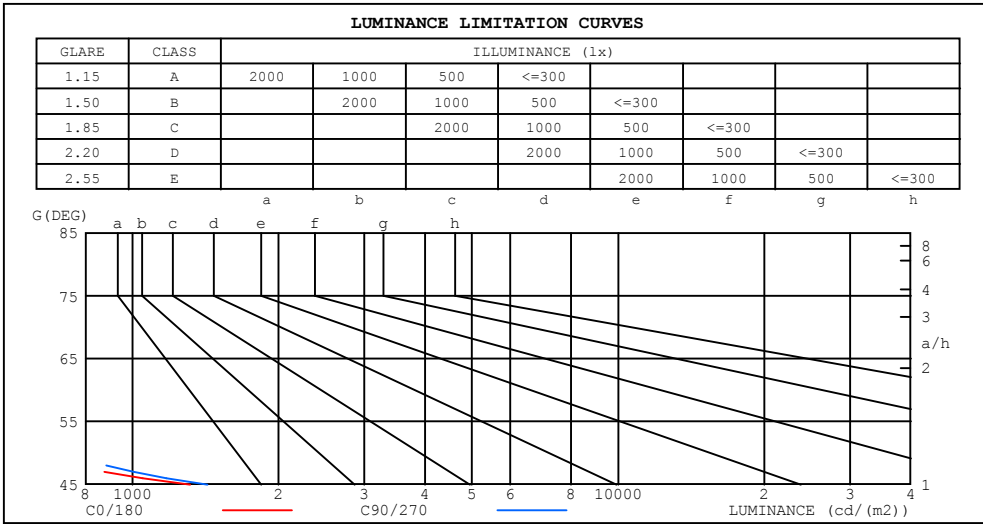
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	971.8	916.8	958.2	1131	1367	1502	1422	1159	0- 10	131.5	131.5	24.2,18.3
20	367.9	350.4	356.5	497.3	622.2	728.3	681.1	487.0	10- 20	227.3	358.8	65.9,49.8
30	85.83	82.35	81.96	125.6	159.2	199.1	175.4	120.9	20- 30	127.5	486.3	89.4,67.5
40	21.77	20.30	19.73	28.98	35.71	48.60	39.64	30.19	30- 40	40.71	527.1	96.9,73.2
50	3.966	4.120	4.595	5.066	5.736	4.486	3.615	3.703	40- 50	11.07	538.1	98.9,74.7
60	2.324	2.550	2.800	2.659	2.451	2.285	2.045	2.137	50- 60	2.814	540.9	99.4,75.1
70	1.315	1.492	1.712	1.522	1.324	1.257	1.077	1.158	60- 70	1.835	542.8	99.7,75.4
80	0.6625	0.7309	0.9207	0.7608	0.6425	0.6430	0.5035	0.5642	70- 80	1.046	543.8	99.9,75.5
90	0.0692	0.0593	0.0791	0.0692	0.1187	0.0791	0.0593	0.0593	80- 90	0.3703	544.2	100,75.6
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:陈杰梁  
 Test Date:2020-07-03

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:44%  
 Test Distance:12.000m [K=1.0000]  
 Remarks: 预热15分钟

LUMINANCE LIMITATION CURVES

Test:U:220.07V I:0.0538A P:6.0532W PF:0.5115 Freq:50.00Hz Lamp Flux:720x1 lm		
NAME: DSO075B060LN212-A3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	340	534
80	381	530
75	363	497
70	384	500
65	423	524
60	465	560
55	529	604
50	617	715
45	1314	1426

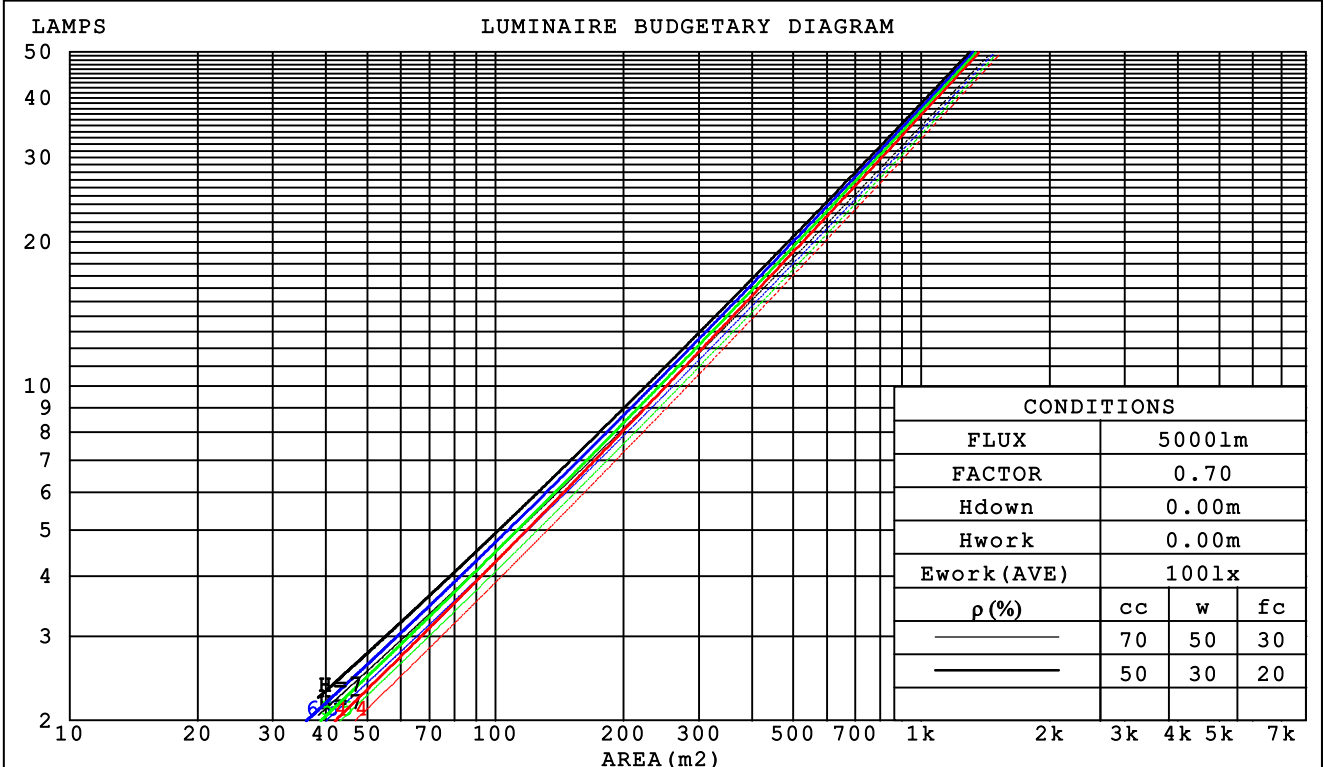
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: 陈杰梁  
 Test Date: 2020-07-03

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 44%  
 Test Distance: 12.000m [K=1.0000]  
 Remarks: 预热15分钟

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.07V I:0.0538A P:6.0532W PF:0.5115 Freq:50.00Hz Lamp Flux:720x1 lm		
NAME: DSO075B060LN212-A3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	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						Coefficients of Utilization(CU)									
0.0	.90	.90	.90	.88	.88	.88	.84	.84	.84	.80	.80	.80	.77	.77	.77	.76
1.0	.85	.83	.82	.83	.82	.80	.80	.79	.78	.77	.76	.76	.75	.74	.73	.72
2.0	.80	.78	.75	.79	.77	.75	.76	.75	.73	.74	.73	.71	.72	.71	.70	.69
3.0	.76	.73	.70	.75	.72	.70	.73	.71	.69	.71	.69	.68	.70	.68	.67	.66
4.0	.72	.69	.66	.72	.68	.66	.70	.67	.65	.69	.66	.64	.67	.65	.64	.63
5.0	.69	.66	.63	.68	.65	.63	.67	.64	.62	.66	.63	.62	.65	.63	.61	.60
6.0	.66	.62	.60	.66	.62	.60	.64	.62	.59	.64	.61	.59	.63	.60	.59	.58
7.0	.63	.60	.57	.63	.59	.57	.62	.59	.57	.61	.59	.56	.60	.58	.56	.55
8.0	.61	.57	.55	.60	.57	.55	.60	.57	.54	.59	.56	.54	.58	.56	.54	.53
9.0	.59	.55	.53	.58	.55	.53	.58	.55	.52	.57	.54	.52	.56	.54	.52	.51
10.0	.56	.53	.51	.56	.53	.51	.56	.53	.50	.55	.52	.50	.55	.52	.50	.49



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: 陈杰梁  
 Test Date: 2020-07-03

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 44%  
 Test Distance: 12.000m [K=1.0000]  
 Remarks: 预热15分钟

WEC AND CCEC

Test:U:220.07V I:0.0538A P:6.0532W PF:0.5115 Freq:50.00Hz Lamp Flux:720x1 lm		
NAME: DSO075B060LN212-A3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.115	.066	.021	.110	.063	.020	.101	.058	.018	.092	.053	.017	.084	.049	.016	
2.0	.108	.059	.018	.104	.057	.018	.096	.053	.017	.089	.050	.016	.082	.046	.015	
3.0	.101	.054	.016	.098	.052	.016	.091	.050	.015	.085	.047	.014	.080	.044	.014	
4.0	.096	.050	.015	.093	.049	.014	.087	.046	.014	.082	.044	.013	.077	.042	.013	
5.0	.091	.046	.013	.088	.045	.013	.083	.043	.013	.079	.042	.012	.075	.040	.012	
6.0	.086	.043	.012	.084	.042	.012	.080	.041	.012	.076	.039	.012	.072	.038	.011	
7.0	.082	.041	.011	.080	.040	.011	.076	.039	.011	.073	.037	.011	.070	.036	.011	
8.0	.078	.038	.011	.077	.038	.011	.073	.037	.010	.070	.036	.010	.068	.035	.010	
9.0	.075	.036	.010	.074	.036	.010	.071	.035	.010	.068	.034	.010	.065	.033	.010	
10.0	.072	.035	.010	.071	.034	.010	.068	.033	.009	.066	.033	.009	.063	.032	.009	

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.144	.144	.144	.123	.123	.123	.084	.084	.084	.048	.048	.048	.015	.015	.015	
1.0	.128	.119	.111	.110	.102	.096	.075	.070	.066	.043	.041	.038	.014	.013	.012	
2.0	.115	.100	.088	.099	.086	.076	.068	.060	.053	.039	.035	.031	.013	.011	.010	
3.0	.105	.086	.071	.090	.074	.061	.062	.051	.043	.036	.030	.025	.011	.010	.008	
4.0	.096	.074	.058	.082	.064	.050	.056	.045	.035	.033	.026	.021	.011	.009	.007	
5.0	.088	.065	.048	.076	.056	.042	.052	.039	.030	.030	.023	.018	.010	.008	.006	
6.0	.082	.058	.040	.070	.050	.035	.049	.035	.025	.028	.021	.015	.009	.007	.005	
7.0	.077	.052	.034	.066	.045	.030	.046	.031	.021	.026	.019	.013	.009	.006	.004	
8.0	.072	.047	.030	.062	.041	.026	.043	.029	.018	.025	.017	.011	.008	.006	.004	
9.0	.068	.043	.026	.058	.037	.022	.040	.026	.016	.024	.015	.009	.008	.005	.003	
10.0	.064	.039	.023	.055	.034	.020	.038	.024	.014	.022	.014	.008	.007	.005	.003	

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:陈杰梁  
 Test Date:2020-07-03

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:44%  
 Test Distance:12.000m [K=1.0000]  
 Remarks: 预热15分钟

UGR(Unified Glare Rating) Table

Test:U:220.07V I:0.0538A P:6.0532W PF:0.5115 Freq:50.00Hz Lamp Flux:720x1 lm										
NAME: DSO075B060LN212-A3					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: SAT					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	6.0	6.8	6.2	6.9	7.1	5.9	6.7	6.1	6.8	7.0
3H	6.1	6.8	6.4	7.0	7.2	6.2	6.9	6.4	7.1	7.3
4H	6.2	6.8	6.4	7.1	7.3	6.3	7.0	6.6	7.2	7.4
6H	6.3	6.9	6.5	7.1	7.4	6.5	7.1	6.8	7.4	7.6
8H	6.3	6.9	6.6	7.1	7.4	6.6	7.2	6.9	7.4	7.7
12H	6.3	6.9	6.6	7.1	7.4	6.6	7.2	6.9	7.5	7.7
4H 2H	5.9	6.6	6.2	6.8	7.0	5.9	6.5	6.1	6.7	7.0
3H	6.1	6.7	6.5	7.0	7.3	6.2	6.8	6.5	7.1	7.3
4H	6.3	6.8	6.6	7.1	7.4	6.5	7.0	6.8	7.3	7.6
6H	6.4	6.9	6.8	7.2	7.6	6.8	7.2	7.1	7.6	7.9
8H	6.5	6.9	6.9	7.3	7.6	6.9	7.3	7.3	7.7	8.0
12H	6.5	6.9	6.9	7.3	7.7	7.0	7.4	7.4	7.8	8.1
8H 4H	6.3	6.7	6.7	7.1	7.4	6.5	6.9	6.9	7.3	7.6
6H	6.5	6.9	7.0	7.3	7.7	6.9	7.2	7.3	7.6	8.0
8H	6.6	6.9	7.1	7.4	7.8	7.0	7.4	7.5	7.8	8.2
12H	6.7	7.0	7.2	7.4	7.9	7.2	7.5	7.7	7.9	8.4
12H 4H	6.3	6.7	6.7	7.0	7.4	6.4	6.8	6.8	7.2	7.6
6H	6.5	6.8	7.0	7.3	7.7	6.9	7.2	7.3	7.6	8.0
8H	6.6	6.9	7.1	7.4	7.8	7.1	7.3	7.5	7.8	8.2
Variations with the observer position at spacings:										
S = 1.0H	+ 2.0 / - 2.5					+ 1.6 / - 1.8				
1.5H	+ 3.9 / - 2.5					+ 3.3 / - 1.8				
2.0H	+ 2.4 / - 0.8					+ 2.3 / - 0.6				

CIE Pub.117, 720.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.1)

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:陈杰梁  
 Test Date:2020-07-03

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:44%  
 Test Distance:12.000m [K=1.0000]  
 Remarks: 预热15分钟

UTILIZATION FACTORS TABLE

Test:U:220.07V I:0.0538A P:6.0532W PF:0.5115 Freq:50.00Hz Lamp Flux:720x1 lm		
NAME: DSO075B060LN212-A3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:

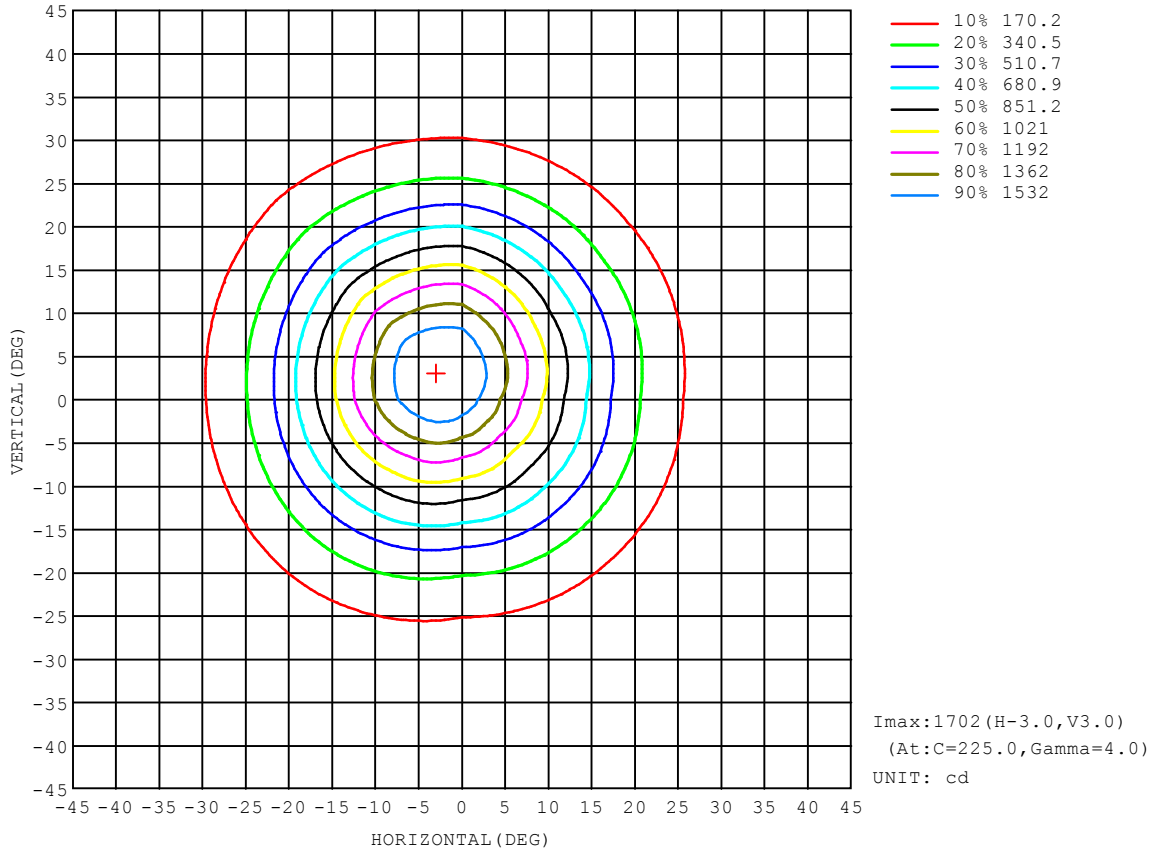
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	63	61	67	63	60	67	63	60	58
0.80	73	69	66	73	69	66	72	68	66	63
1.00	76	72	70	76	72	69	74	72	69	66
1.25	79	75	73	78	75	73	77	74	72	69
1.50	81	77	75	80	77	75	78	76	74	71
2.00	83	80	77	82	79	77	80	77	76	72
2.50	84	81	79	83	80	78	80	78	77	72
3.00	85	82	81	84	81	80	81	79	78	73
4.00	86	84	83	85	83	82	82	81	80	74
5.00	87	86	84	86	84	83	83	82	81	75
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:陈杰梁  
 Test Date:2020-07-03

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:44%  
 Test Distance:12.000m [K=1.0000]  
 Remarks: 预热15分钟

ISOCANDELA DIAGRAM

Test:U:220.07V I:0.0538A P:6.0532W PF:0.5115 Freq:50.00Hz Lamp Flux:720x1 lm		
NAME: DSO075B060LN212-A3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:



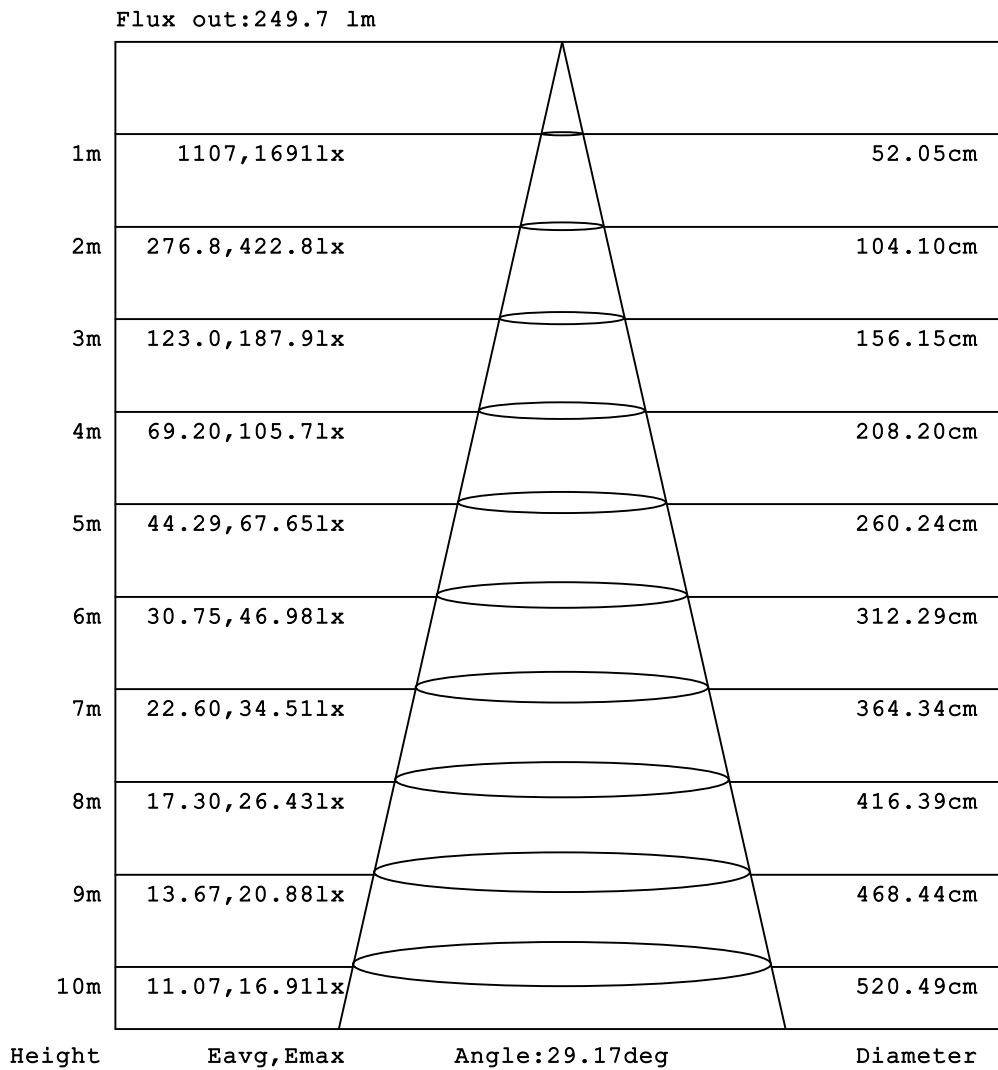
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:陈杰梁  
 Test Date:2020-07-03

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:44%  
 Test Distance:12.000m [K=1.0000]  
 Remarks: 预热15分钟



AAI Figure

Test:U:220.07V I:0.0538A P:6.0532W PF:0.5115 Freq:50.00Hz Lamp Flux:720x1 lm		
NAME: DSO075B060LN212-A3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:



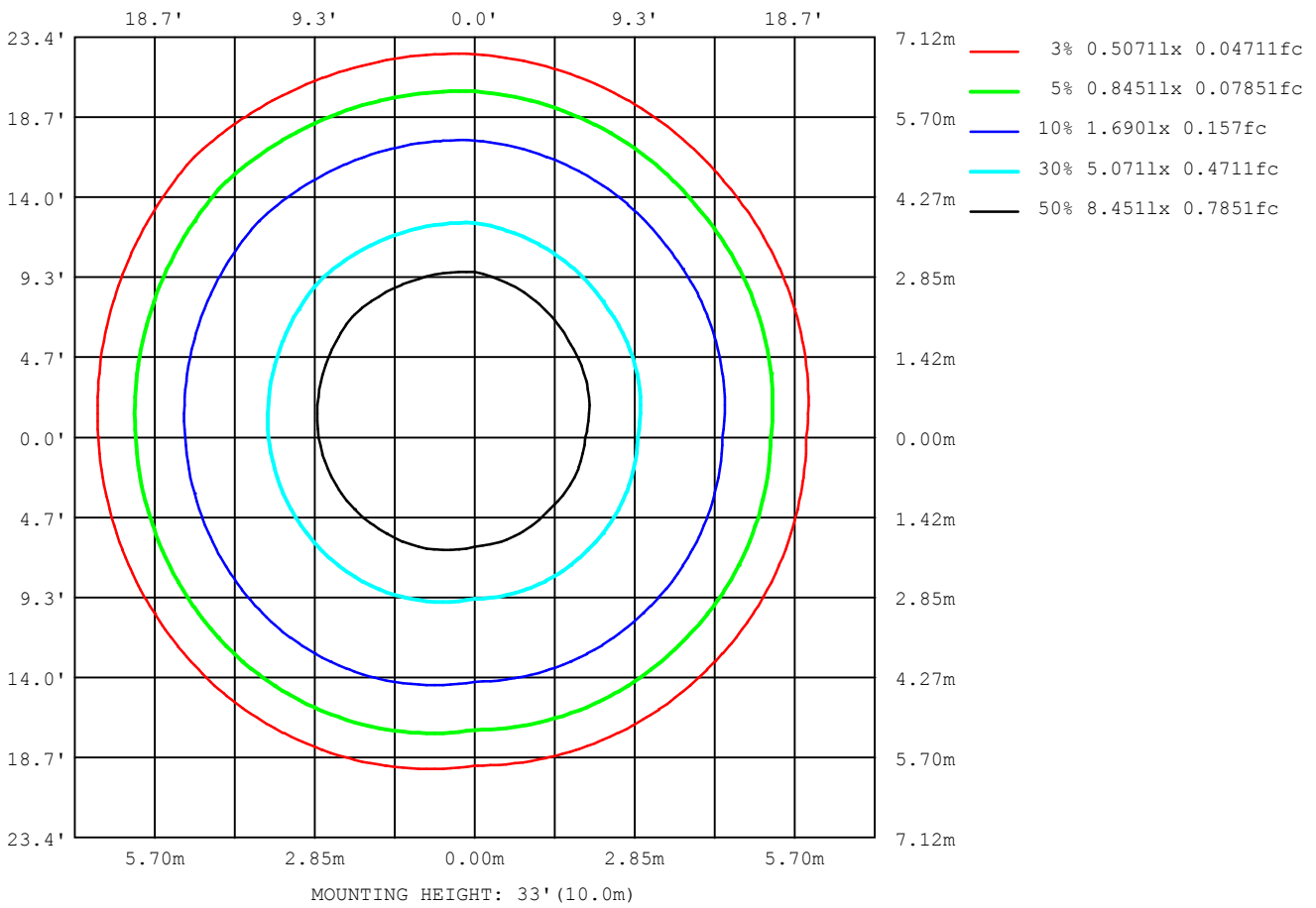
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:陈杰梁  
 Test Date:2020-07-03

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:44%  
 Test Distance:12.000m [K=1.0000]  
 Remarks: 预热15分钟

ISOLUX DIAGRAM

Test:U:220.07V I:0.0538A P:6.0532W PF:0.5115 Freq:50.00Hz Lamp Flux:720x1 lm		
NAME: DSO075B060LN212-A3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: 陈杰梁  
 Test Date: 2020-07-03

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 44%  
 Test Distance: 12.000m [K=1.0000]  
 Remarks: 预热15分钟

LED Avg.L Report

Test:U:220.07V I:0.0538A P:6.0532W PF:0.5115 Freq:50.00Hz Lamp Flux:720x1 lm		
NAME: DSO075B060LN212-A3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:

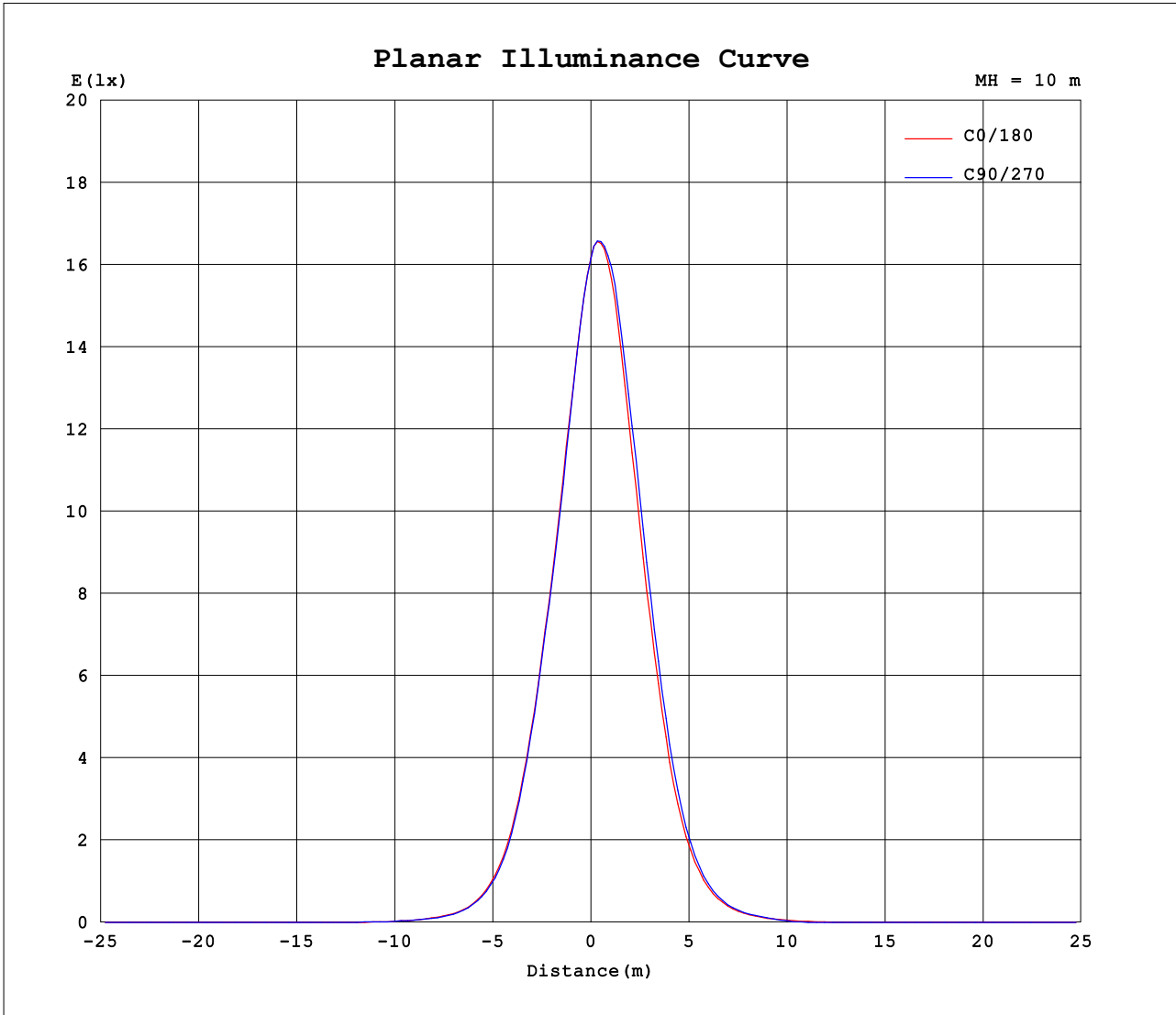
AvgL	cd/m2
L_0~180 (65) av	432
L_0~180 (75) av	361
L_0~180 (85) av	368
L_90~270 (65) av	441
L_90~270 (75) av	390
L_90~270 (85) av	386
L_45 (65) av	435
L_45 (75) av	372
L_45 (85) av	369

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:陈杰梁  
 Test Date:2020-07-03

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:44%  
 Test Distance:12.000m [K=1.0000]  
 Remarks: 预热15分钟

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators: 陈杰梁  
 Test Date: 2020-07-03

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 44%  
 Test Distance: 12.000m [K=1.0000]  
 Remarks: 预热15分钟

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.07V I:0.0538A P:6.0532W PF:0.5115 Freq:50.00Hz Lamp Flux:720x1 lm		
NAME: DSO075B060LN212-A3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SAT	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315											
0	1616	1620	1616	1619	1616	1620	1616	1619											
5	1320	1272	1316	1468	1625	1699	1642	1490											
10	972	917	958	1131	1367	1502	1422	1159											
15	641	618	634	799	985	1131	1062	809											
20	368	350	356	497	622	728	681	487											
25	185	172	175	266	332	407	369	255											
30	85.8	82.4	82.0	126	159	199	175	121											
35	41.0	38.8	38.8	57.4	73.1	95.7	79.8	57.3											
40	21.8	20.3	19.7	29.0	35.7	48.6	39.6	30.2											
45	9.29	9.07	10.1	15.1	18.6	20.8	12.1	9.92											
50	3.97	4.12	4.59	5.07	5.74	4.49	3.61	3.70											
55	3.04	3.19	3.46	3.16	3.14	3.00	2.73	2.81											
60	2.32	2.55	2.80	2.66	2.45	2.29	2.05	2.14											
65	1.79	1.99	2.22	2.05	1.86	1.71	1.51	1.60											
70	1.32	1.49	1.71	1.52	1.32	1.26	1.08	1.16											
75	0.94	1.06	1.29	1.08	0.93	0.88	0.73	0.83											
80	0.66	0.73	0.92	0.76	0.64	0.64	0.50	0.56											
85	0.30	0.29	0.47	0.37	0.35	0.37	0.21	0.27											
90	0.07	0.06	0.08	0.07	0.12	0.08	0.06	0.06											

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:陈杰梁  
 Test Date:2020-07-03

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:44%  
 Test Distance:12.000m [K=1.0000]  
 Remarks: 预热15分钟