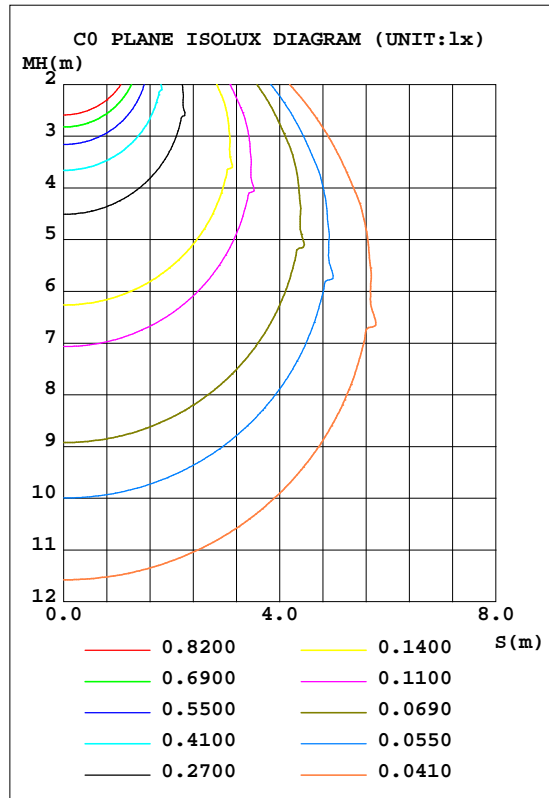
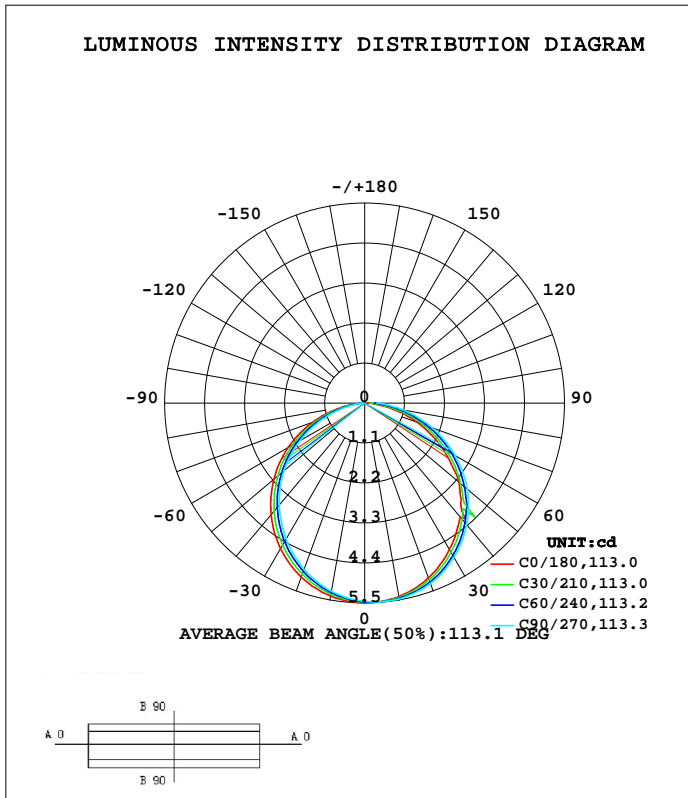


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.045V I:0.2440A P:5.8682W PF:1.0000 Freq:50.00Hz Lamp Flux:15.8358x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1220-TYPE65蓝光		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	

DATA OF LAMP		PHOTOMETRIC DATA			Eff: 2.70 lm/W
MODEL		I <sub>max</sub> (cd)	5.493	S/MH(C0/180)	1.25
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	15.836	η UP, DN(C0-180)	0.0,54.3
NOMINAL FLUX(lm)	15.8358	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,45.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	--	η down(%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOMI  
 Test Date:2023-04-27

γ Range: 0 - 90DEG  
 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	5.403	5.440	5.470	5.422	5.389	5.312	5.257	5.256	0- 10	0.5165	0.5165	3.26,3.26
20	5.120	5.211	5.282	5.220	5.096	4.967	4.872	4.892	10- 20	1.480	1.996	12.6,12.6
30	4.663	4.802	4.909	4.835	4.629	4.459	4.323	4.364	20- 30	2.243	4.239	26.8,26.8
40	4.100	4.232	4.364	4.289	4.007	3.804	3.660	3.699	30- 40	2.709	6.948	43.9,43.9
50	3.378	3.515	3.689	3.595	3.263	3.051	2.895	2.927	40- 50	2.829	9.777	61.7,61.7
60	2.450	2.686	2.872	2.784	2.419	2.212	2.042	2.077	50- 60	2.564	12.34	77.9,77.9
70	1.517	1.763	1.971	1.882	1.506	1.319	1.159	1.179	60- 70	1.972	14.31	90.4,90.4
80	0.5973	0.8404	1.053	0.9673	0.6080	0.4785	0.3675	0.3561	70- 80	1.148	15.46	97.6,97.6
90	0.0655	0.2052	0.3420	0.2630	0.0511	0.0414	0.0385	0.0366	80- 90	0.3751	15.84	100,100
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		

Conical surface Flux(90deg): 8.3736 lm

%lum = 52.9%  
 %lamp = 52.9%

Conical surface Flux(120deg): 12.341 lm

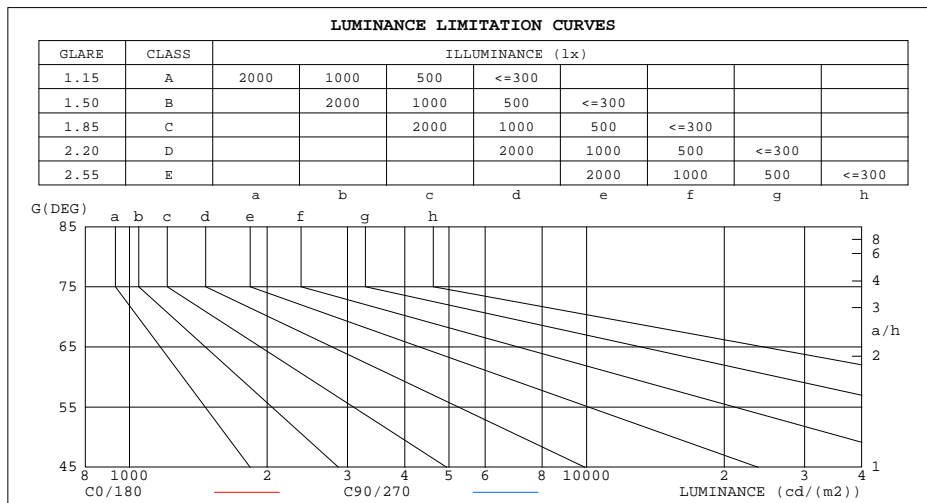
%lum = 77.9%  
 %lamp = 77.9%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOMI  
 Test Date:2023-04-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:24.045V I:0.2440A P:5.8682W PF:1.0000 Freq:50.00Hz Lamp Flux:15.8358x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1220- <del>TYPE</del> 65蓝光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	233	613
80	287	505
75	338	485
70	370	480
65	392	479
60	408	479
55	422	478
50	438	478
45	443	477

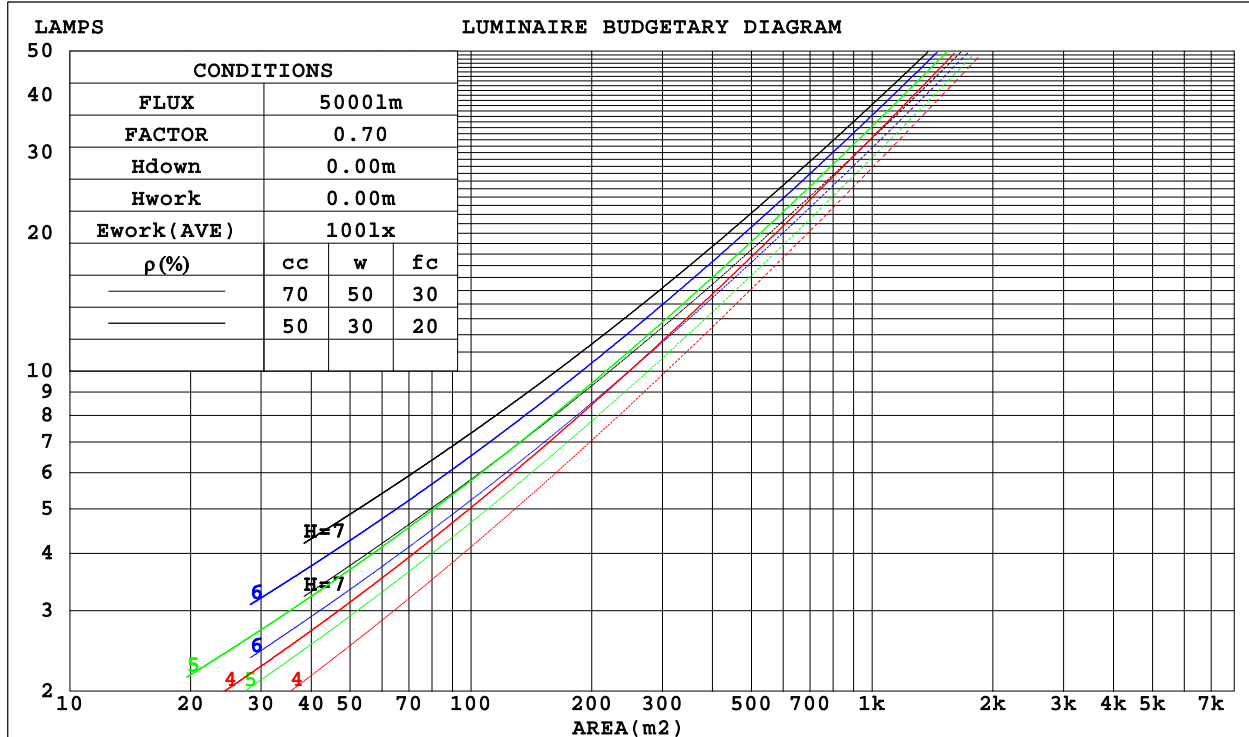
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOMI  
 Test Date:2023-04-27

γ Range: 0 - 90DEG  
 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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.045V I:0.2440A P:5.8682W PF:1.0000 Freq:50.00Hz Lamp Flux:15.8358x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1220-TYPEB65蓝光		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	

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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.74	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.40	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOMI  
 Test Date:2023-04-27

γ Range: 0 - 90DEG  
 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:

WEC AND CCEC

Test:U:24.045V I:0.2440A P:5.8682W PF:1.0000 Freq:50.00Hz Lamp Flux:15.8358x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1220-TYPE65蓝光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	

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	.317	.180	.057	.310	.177	.056	.296	.170	.054	.284	.164	.053	.273	.158	.051	
2.0	.296	.162	.050	.290	.160	.049	.278	.155	.048	.267	.150	.047	.257	.145	.046	
3.0	.273	.145	.044	.267	.143	.043	.257	.139	.042	.247	.136	.042	.238	.132	.041	
4.0	.251	.131	.038	.246	.129	.038	.237	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.232	.118	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.205	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.191	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.148	.075	.021	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.020	.017	.015	
2.0	.173	.132	.098	.148	.114	.084	.101	.079	.059	.058	.046	.034	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOMI  
 Test Date:2023-04-27

γ Range: 0 - 90DEG  
 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:24.045V I:0.2440A P:5.8682W PF:1.0000 Freq:50.00Hz Lamp Flux:15.8358x1 lm										
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1220- <del>TYPE</del> 65蓝光					WEIGHT:					
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:1000*12mm					
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	10.1	11.7	10.4	11.9	12.1	10.7	12.2	11.0	12.4	12.6
3H	11.6	13.1	11.9	13.3	13.5	12.5	13.9	12.8	14.2	14.4
4H	12.2	13.6	12.5	13.8	14.1	13.3	14.7	13.6	14.9	15.2
6H	12.6	13.9	12.9	14.2	14.4	14.0	15.3	14.4	15.6	15.9
8H	12.7	14.0	13.1	14.2	14.5	14.3	15.6	14.7	15.8	16.1
12H	12.8	14.0	13.1	14.3	14.6	14.6	15.8	15.0	16.1	16.4
4H 2H	10.9	12.2	11.2	12.5	12.7	11.3	12.6	11.6	12.9	13.2
3H	12.6	13.8	12.9	14.0	14.4	13.3	14.5	13.6	14.8	15.1
4H	13.3	14.4	13.7	14.7	15.0	14.3	15.3	14.6	15.7	16.0
6H	13.8	14.8	14.2	15.1	15.5	15.1	16.1	15.5	16.4	16.8
8H	14.0	14.9	14.4	15.2	15.6	15.5	16.4	15.9	16.8	17.2
12H	14.1	14.9	14.5	15.3	15.7	15.9	16.7	16.3	17.1	17.5
8H 4H	13.7	14.6	14.1	14.9	15.3	14.5	15.4	14.9	15.8	16.2
6H	14.4	15.1	14.8	15.5	15.9	15.6	16.3	16.0	16.7	17.1
8H	14.6	15.3	15.1	15.7	16.2	16.1	16.7	16.5	17.2	17.6
12H	14.8	15.4	15.3	15.8	16.3	16.6	17.2	17.1	17.6	18.1
12H 4H	13.7	14.6	14.2	14.9	15.3	14.5	15.4	15.0	15.7	16.1
6H	14.5	15.2	14.9	15.6	16.0	15.6	16.3	16.1	16.7	17.2
8H	14.8	15.4	15.3	15.8	16.3	16.2	16.8	16.7	17.2	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 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117, 15.84 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -14.4)  
Area: 0.012 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:XIAOMI  
Test Date:2023-04-27

γ Range: 0 - 90DEG  
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:

UTILIZATION FACTORS TABLE

Test:U:24.045V I:0.2440A P:5.8682W PF:1.0000 Freq:50.00Hz Lamp Flux:15.8358x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1220- <del>TYPE</del> 65蓝光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	

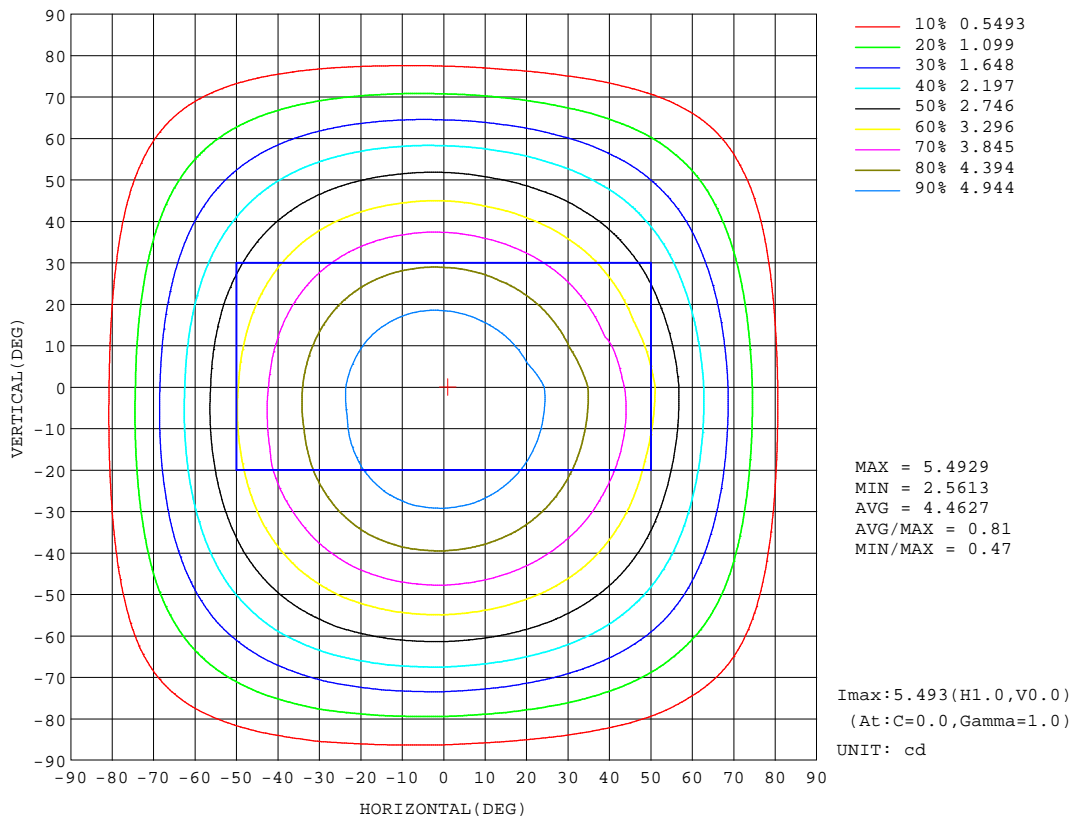
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	98	91	84	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOMI  
 Test Date:2023-04-27

γ Range: 0 - 90DEG  
 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:24.045V I:0.2440A P:5.8682W PF:1.0000 Freq:50.00Hz Lamp Flux:15.8358x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1220-TYPEB65蓝光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOMI  
 Test Date:2023-04-27

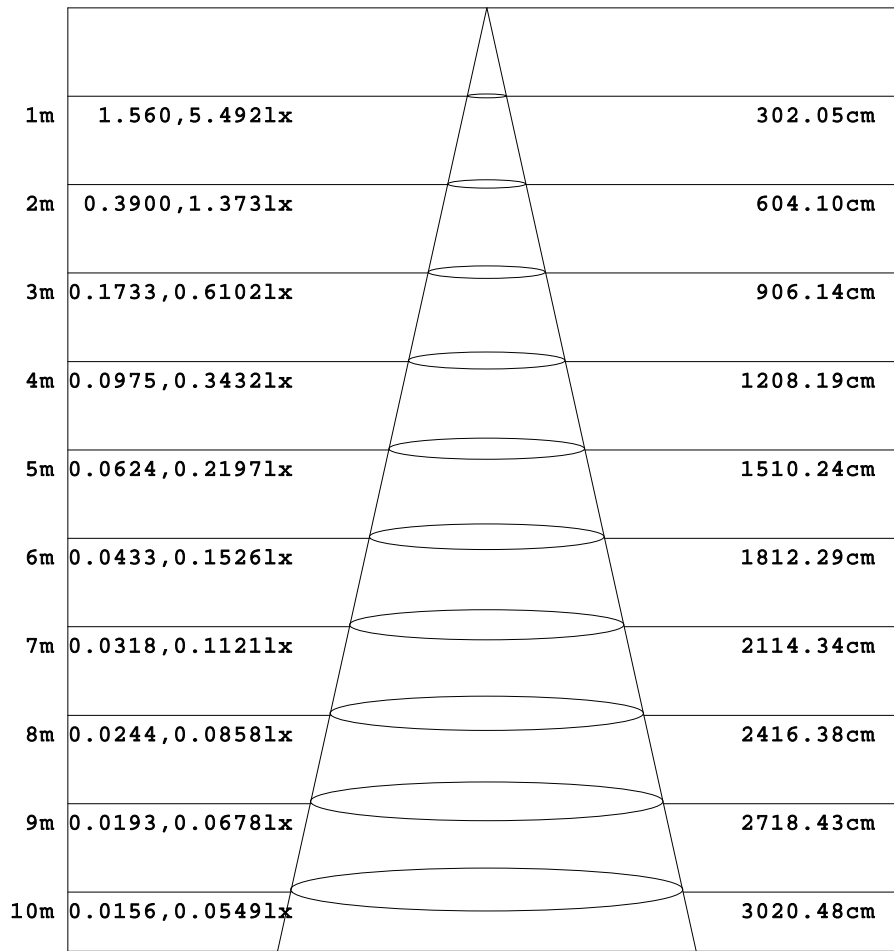
γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:



AAI Figure

Test:U:24.045V I:0.2440A P:5.8682W PF:1.0000 Freq:50.00Hz Lamp Flux:15.8358x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1220- <del>TYPE</del> 65蓝光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	

Flux out:11.62 lm



Height Eavg, Emax Angle:112.98deg Diameter

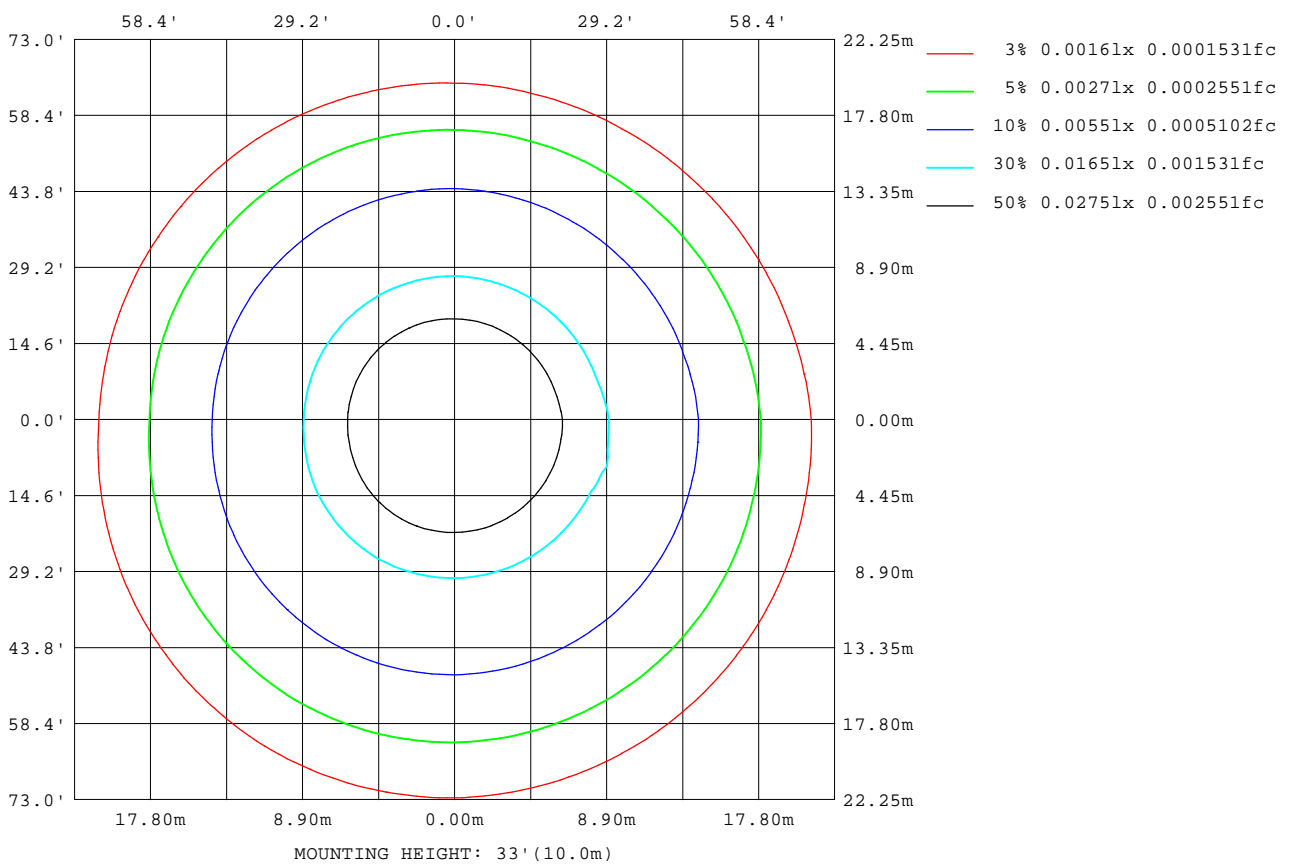
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:XIAOMI  
 Test Date:2023-04-27

γ Range: 0 - 90DEG  
 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

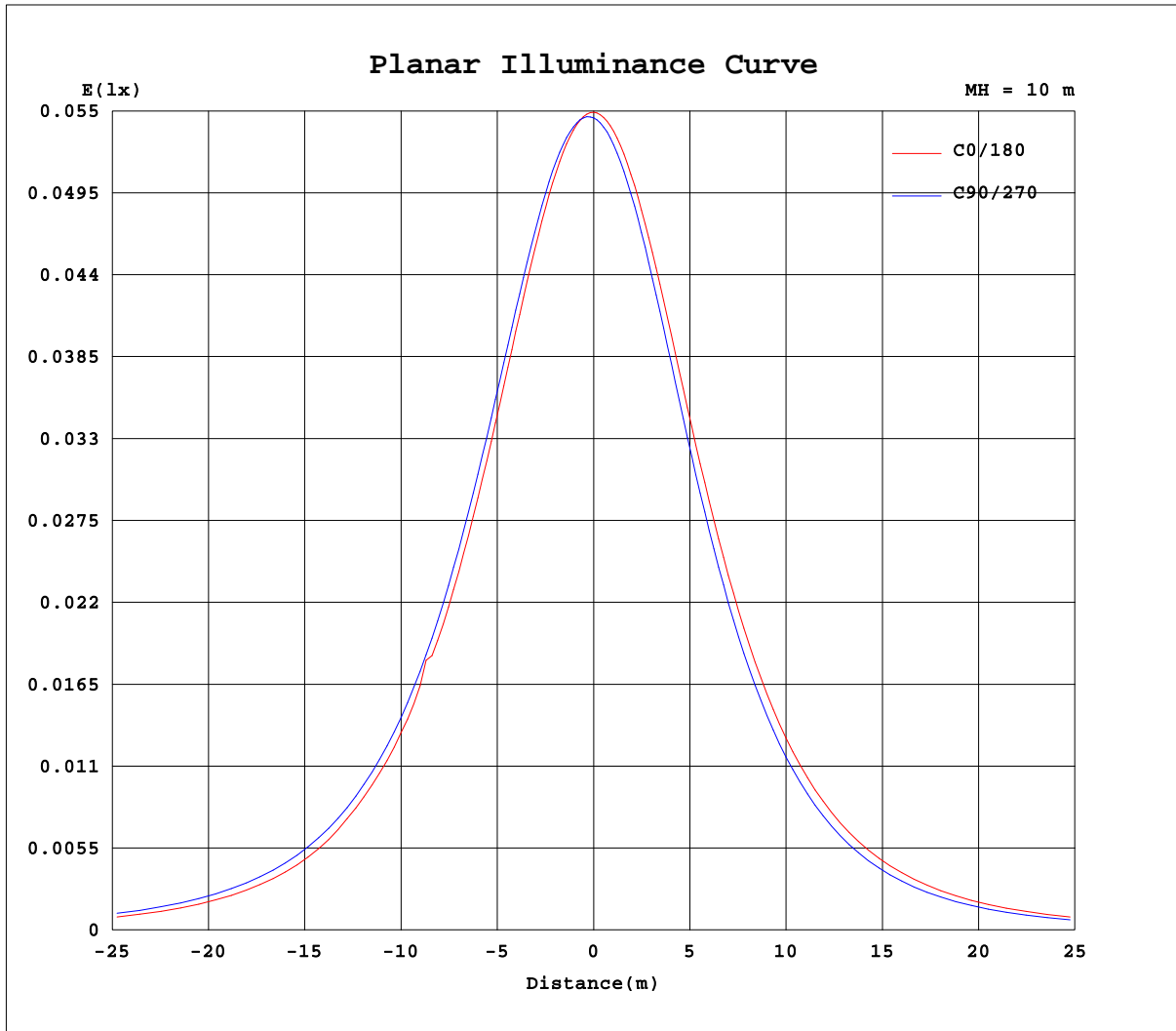
Test:U:24.045V I:0.2440A P:5.8682W PF:1.0000 Freq:50.00Hz Lamp Flux:15.8358x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1220- <del>TYPE</del> 65蓝光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: XIAOMI  
 Test Date: 2023-04-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: XIAOMI  
Test Date: 2023-04-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 9.000m [K=1.0000]  
Remarks:



