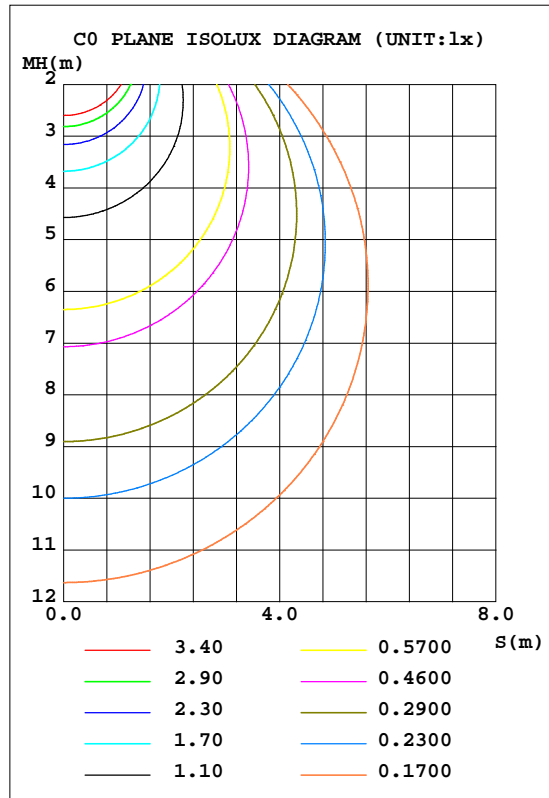
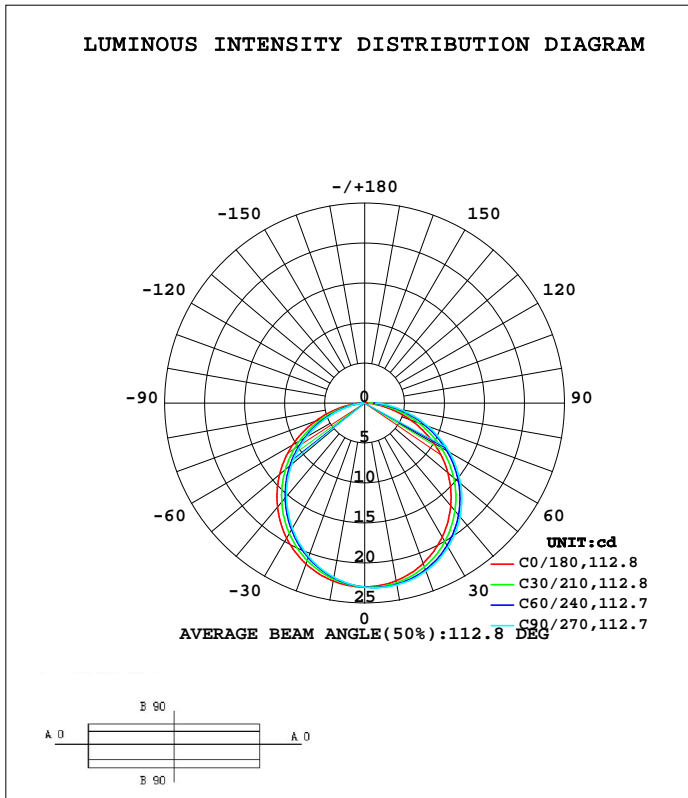


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.033V I:0.2451A P:5.8914W PF:1.0000 Freq:50.00Hz Lamp Flux:66.5244x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGB-60D10S-14.4-1220-C-IP65白光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 11.29 lm/W			
MODEL		I _{max} (cd)	23.15	S/MH(C0/180)	1.26
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	66.524	η UP, DN(C0-180)	0.0, 54.6
NOMINAL FLUX(lm)	66.5244	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 45.4
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: 2023-04-23

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	22.57	22.92	23.09	22.88	22.60	22.27	22.13	22.18	0- 10	2.174	2.174	3.27,3.27
20	21.35	22.03	22.37	22.04	21.43	20.76	20.45	20.65	10- 20	6.229	8.403	12.6,12.6
30	19.37	20.34	20.83	20.44	19.52	18.56	18.10	18.42	20- 30	9.446	17.85	26.8,26.8
40	16.75	17.96	18.56	18.14	16.98	15.78	15.23	15.62	30- 40	11.40	29.25	44,44
50	13.59	14.97	15.65	15.23	13.90	12.56	11.95	12.36	40- 50	11.86	41.12	61.8,61.8
60	9.946	11.47	12.20	11.80	10.36	8.969	8.320	8.740	50- 60	10.76	51.88	78,78
70	6.026	7.596	8.383	7.986	6.498	5.204	4.595	4.947	60- 70	8.246	60.12	90.4,90.4
80	2.252	3.720	4.432	4.139	2.741	1.802	1.374	1.566	70- 80	4.788	64.91	97.6,97.6
90	0.0761	0.8662	1.387	1.240	0.4365	0.3180	0.1966	0.1754	80- 90	1.612	66.52	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): 35.225 lm

%lum = 53.0%
 %lamp = 53.0%

Conical surface Flux(120deg): 51.878 lm

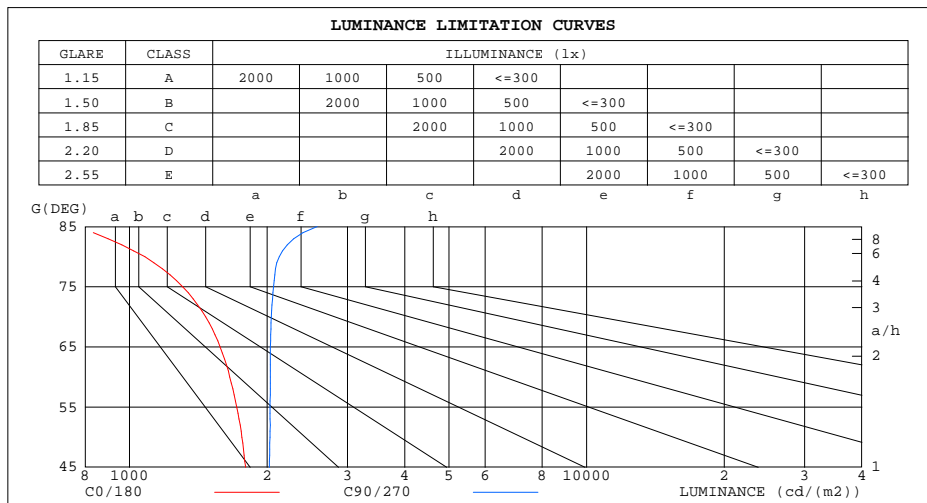
%lum = 78.0%
 %lamp = 78.0%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-04-23

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:

LUMINANCE LIMITATION CURVES

Test:U:24.033V I:0.2451A P:5.8914W PF:1.0000 Freq:50.00Hz Lamp Flux:66.5244x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGB-60D10S-14.4-1220-C-IP65绿光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	763	2571
80	1081	2127
75	1308	2066
70	1468	2042
65	1580	2035
60	1658	2034
55	1717	2032
50	1762	2029
45	1795	2023

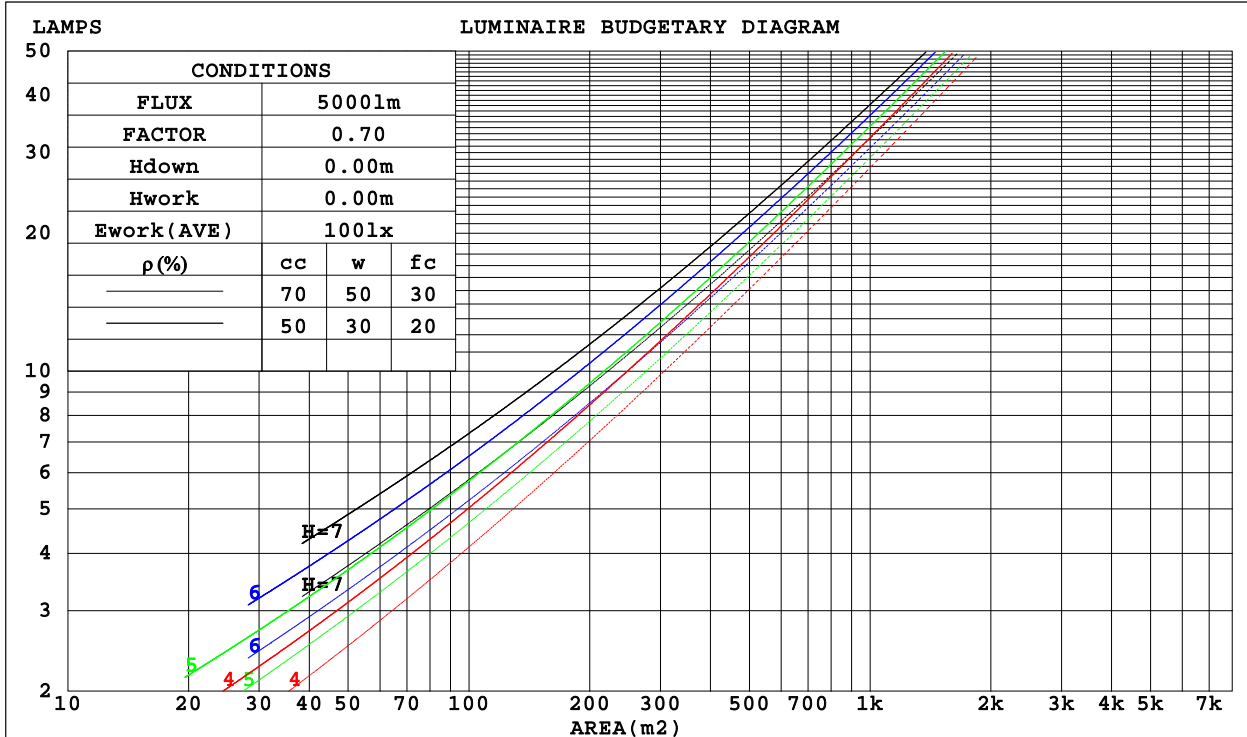
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-04-23

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:24.033V I:0.2451A P:5.8914W PF:1.0000 Freq:50.00Hz Lamp Flux:66.5244x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGB-60D10S-14.4-1220-C-IP65绿光		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	

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	1.19	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	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.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	.43	.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	.26	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-04-23

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:24.033V I:0.2451A P:5.8914W PF:1.0000 Freq:50.00Hz Lamp Flux:66.5244x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGB-60D10S-14.4-1220-C-IP55绿光	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	.159	.049	.278	.154	.048	.267	.150	.047	.257	.145	.046	
3.0	.273	.145	.043	.267	.143	.043	.257	.139	.042	.247	.135	.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	.219	.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	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.183	.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:2023-04-23

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:24.033V I:0.2451A P:5.8914W PF:1.0000 Freq:50.00Hz Lamp Flux:66.5244x1 lm										
NAME: UN-BJ-DMX-DC24-5050RGB-60D10S-14.4-1220-C-IP65绿光						WEIGHT:				
SPEC.:						DIM.:				
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	15.0	16.6	15.3	16.8	17.0	15.8	17.3	16.1	17.5	17.7
3H	16.5	17.9	16.8	18.1	18.4	17.6	19.0	17.9	19.3	19.5
4H	17.0	18.4	17.4	18.6	18.9	18.4	19.8	18.8	20.0	20.3
6H	17.4	18.7	17.7	18.9	19.2	19.1	20.4	19.5	20.7	21.0
8H	17.5	18.7	17.8	19.0	19.3	19.4	20.7	19.8	20.9	21.2
12H	17.5	18.7	17.8	19.0	19.3	19.7	20.9	20.1	21.2	21.5
4H 2H	15.8	17.2	16.1	17.4	17.7	16.4	17.7	16.7	18.0	18.3
3H	17.5	18.7	17.8	19.0	19.3	18.4	19.6	18.8	19.9	20.2
4H	18.2	19.3	18.5	19.6	19.9	19.4	20.5	19.8	20.8	21.1
6H	18.6	19.6	19.0	20.0	20.3	20.2	21.2	20.6	21.6	21.9
8H	18.8	19.7	19.2	20.0	20.4	20.6	21.5	21.0	21.9	22.3
12H	18.8	19.7	19.3	20.1	20.5	21.0	21.8	21.4	22.2	22.6
8H 4H	18.6	19.5	19.0	19.9	20.3	19.7	20.6	20.1	20.9	21.3
6H	19.3	20.0	19.7	20.4	20.9	20.7	21.5	21.2	21.9	22.3
8H	19.5	20.2	20.0	20.6	21.0	21.2	21.9	21.7	22.3	22.8
12H	19.7	20.2	20.1	20.7	21.2	21.7	22.3	22.2	22.7	23.2
12H 4H	18.7	19.5	19.1	19.9	20.3	19.7	20.5	20.1	20.9	21.3
6H	19.4	20.1	19.9	20.5	21.0	20.8	21.4	21.2	21.9	22.3
8H	19.7	20.3	20.2	20.7	21.2	21.3	21.9	21.8	22.4	22.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117, 66.52 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -9.4)
 Area: 0.012 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-04-23

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:24.033V I:0.2451A P:5.8914W PF:1.0000 Freq:50.00Hz Lamp Flux:66.5244x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGB-60D10S-14.4-1220-C-IP65绿光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	

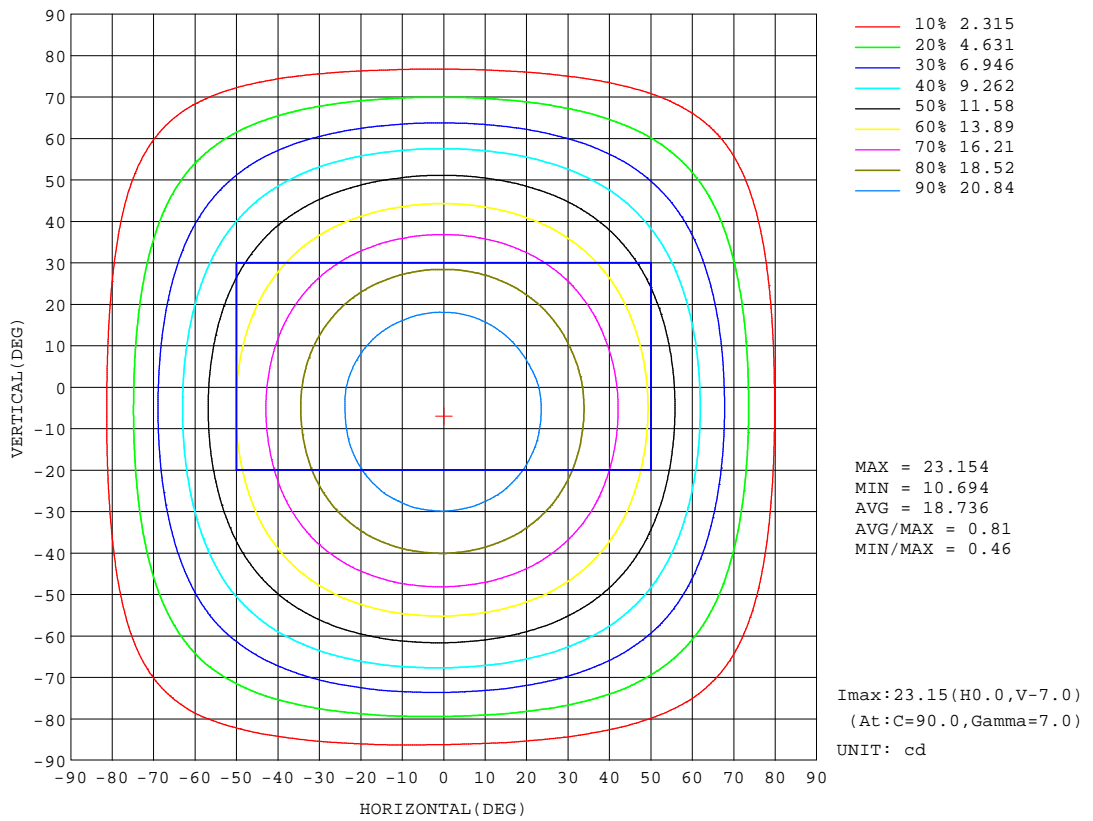
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	79	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	99	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:2023-04-23

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:24.033V I:0.2451A P:5.8914W PF:1.0000 Freq:50.00Hz Lamp Flux:66.5244x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGB-60D10S-14.4-1220-C-IP65绿光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	



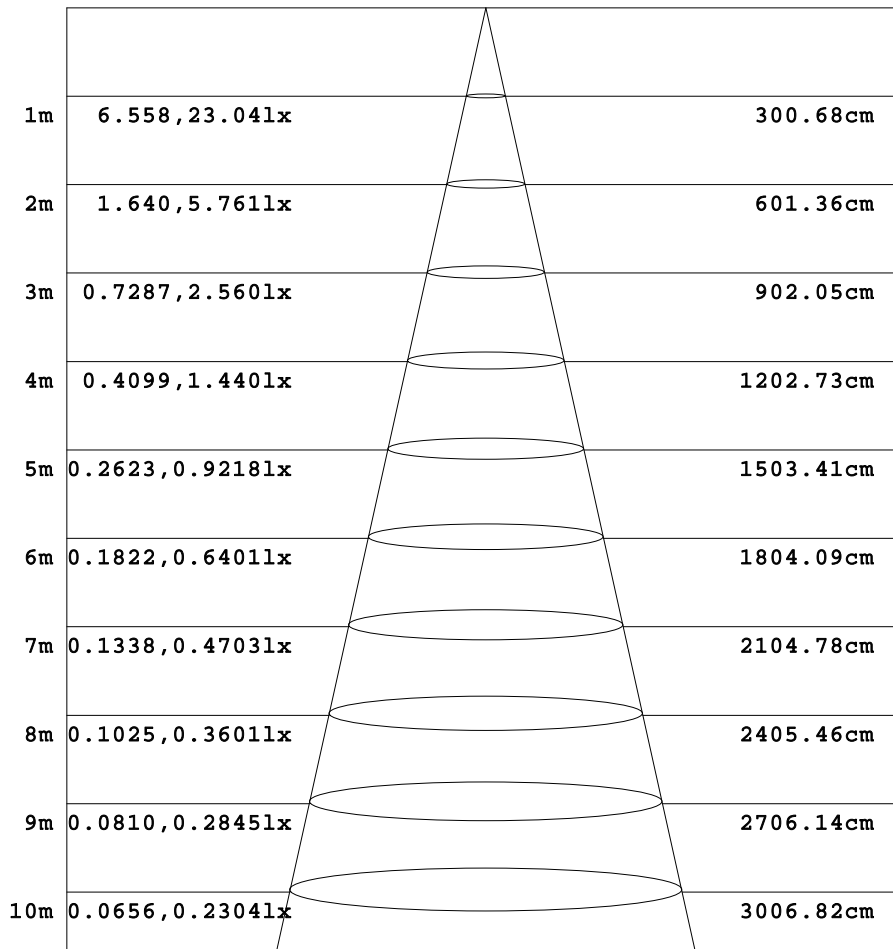
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-04-23

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:24.033V I:0.2451A P:5.8914W PF:1.0000 Freq:50.00Hz Lamp Flux:66.5244x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGB-60D10S-14.4-1220-C-IP65绿光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	

Flux out:48.85 lm



Height Eavg, Emax Angle:112.74deg Diameter

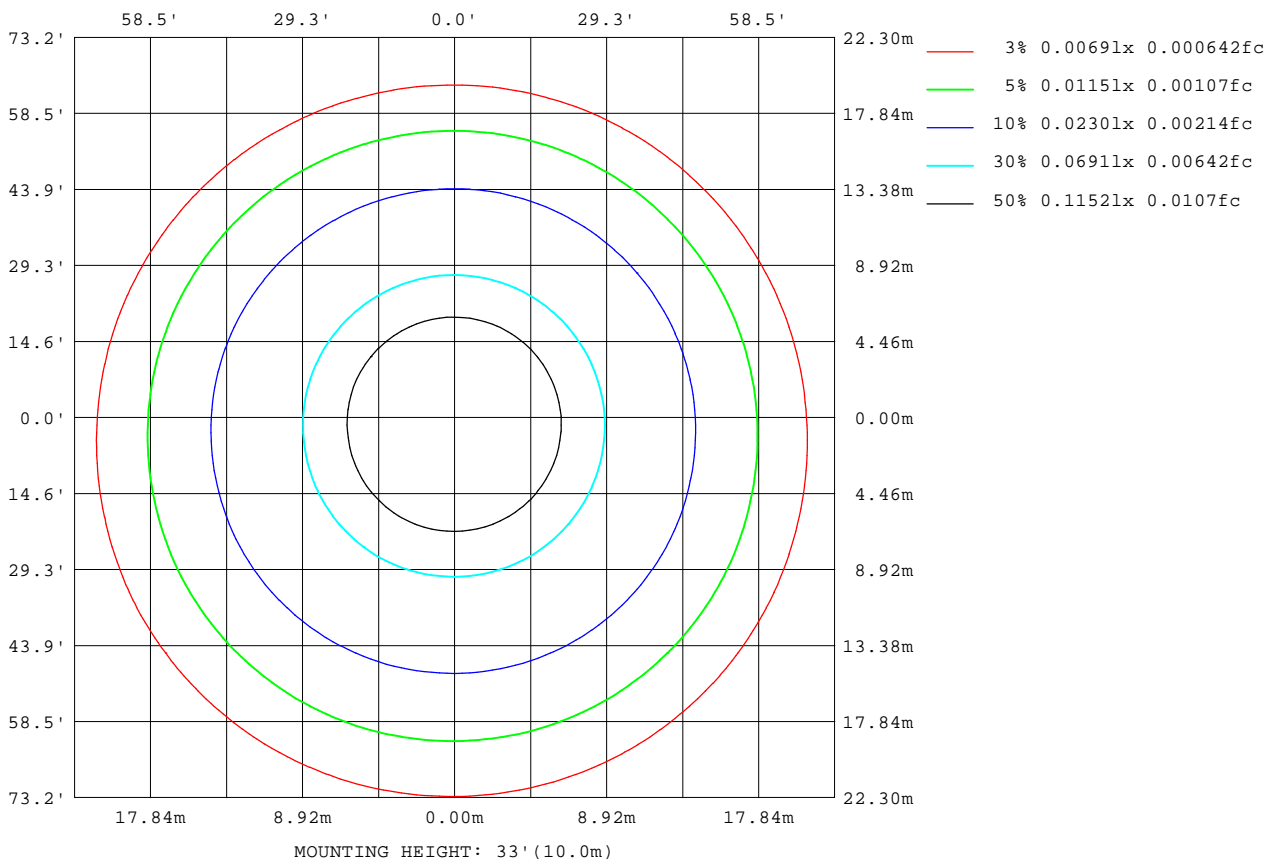
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-04-23

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

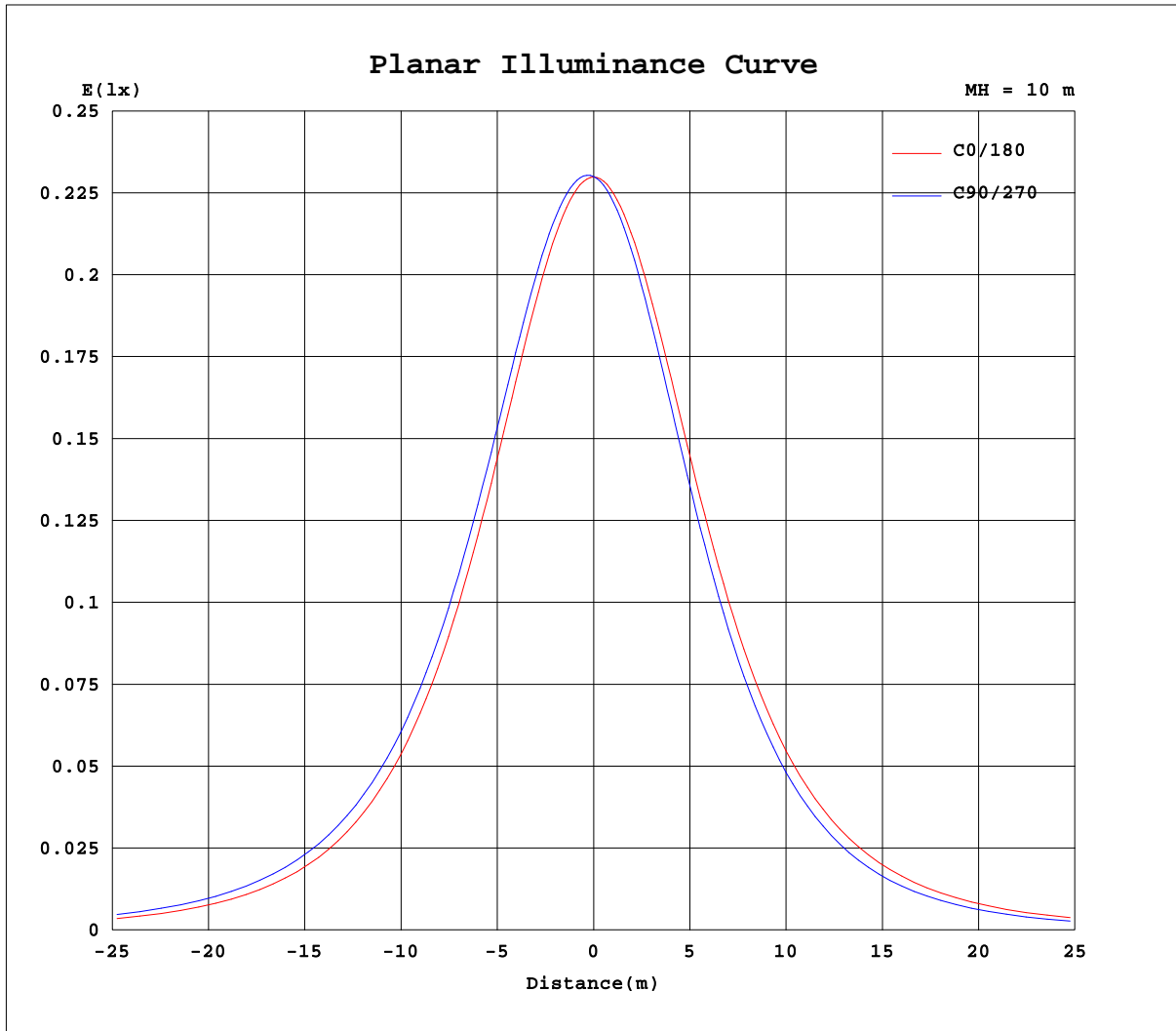
Test:U:24.033V I:0.2451A P:5.8914W PF:1.0000 Freq:50.00Hz Lamp Flux:66.5244x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGB-60D10S-14.4-1220-C-IP65绿光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*12mm	



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-04-23

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: XIAOMI
Test Date: 2023-04-23

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:

