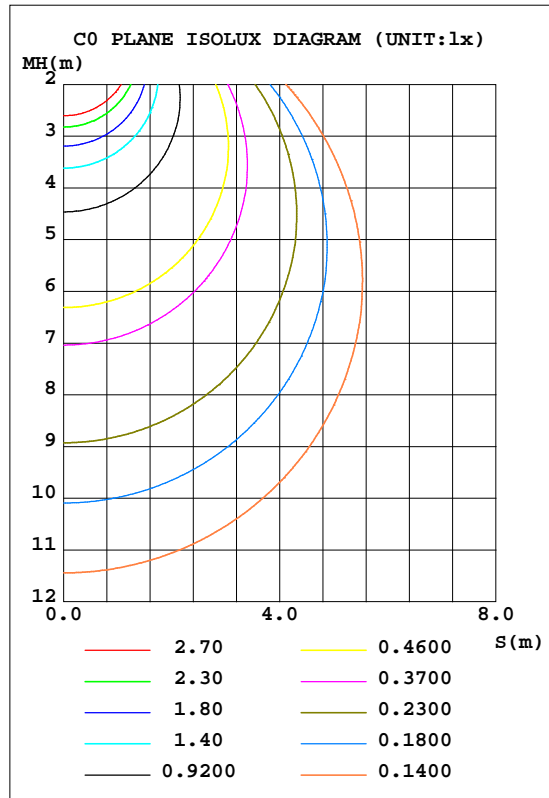
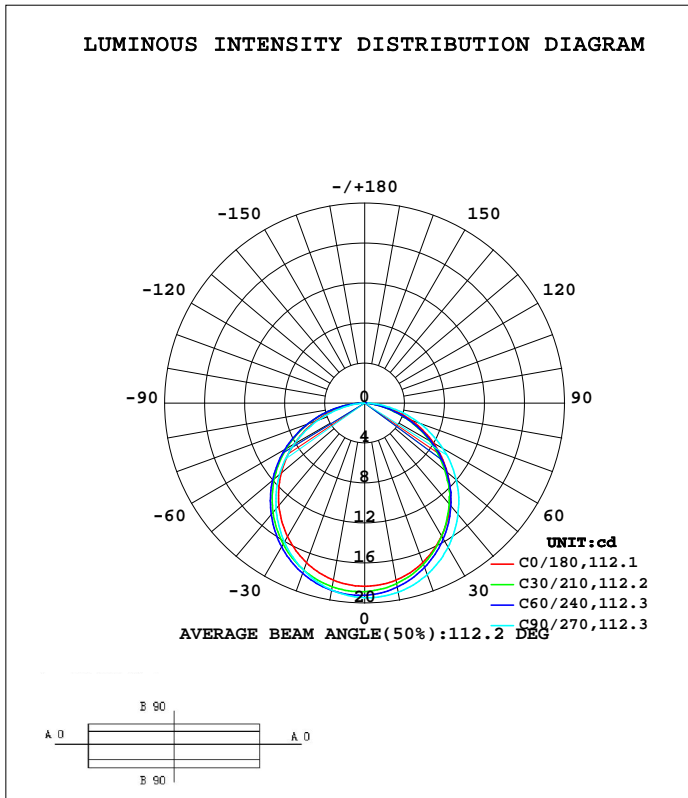


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.016V I:0.2440A P:5.8595W PF:1.0000 Freq:50.00Hz Lamp Flux:54.7931x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1616-ZYEB65红光		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*16mm	

DATA OF LAMP		PHOTOMETRIC DATA			Eff: 9.35 lm/W
MODEL		I _{max} (cd)	19.83	S/MH(C0/180)	1.25
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	54.793	η UP, DN(C0-180)	0.0,50.7
NOMINAL FLUX(lm)	54.7931	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.3
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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	17.99	18.49	19.22	19.55	18.00	18.89	19.00	19.06	0- 10	1.823	1.823	3.33,3.33
20	16.98	17.26	18.26	18.70	17.00	18.04	17.83	17.77	10- 20	5.213	7.035	12.8,12.8
30	15.38	15.45	16.67	17.20	15.43	16.56	16.07	15.86	20- 30	7.881	14.92	27.2,27.2
40	13.32	13.16	14.54	15.13	13.36	14.54	13.80	13.46	30- 40	9.485	24.40	44.5,44.5
50	10.77	10.46	11.97	12.59	10.90	12.08	11.13	10.67	40- 50	9.849	34.25	62.5,62.5
60	7.932	7.443	9.010	9.674	8.121	9.273	8.115	7.535	50- 60	8.896	43.15	78.7,78.7
70	4.861	4.210	5.803	6.467	5.135	6.160	4.819	4.193	60- 70	6.783	49.93	91.1,91.1
80	1.814	1.222	2.555	3.147	2.121	2.953	1.678	1.098	70- 80	3.831	53.76	98.1,98.1
90	0.0549	0.0424	0.2987	0.4991	0.1744	0.3970	0.0462	0.0434	80- 90	1.033	54.79	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): 29.366 lm

%lum = 53.6%
%lamp = 53.6%

Conical surface Flux(120deg): 43.146 lm

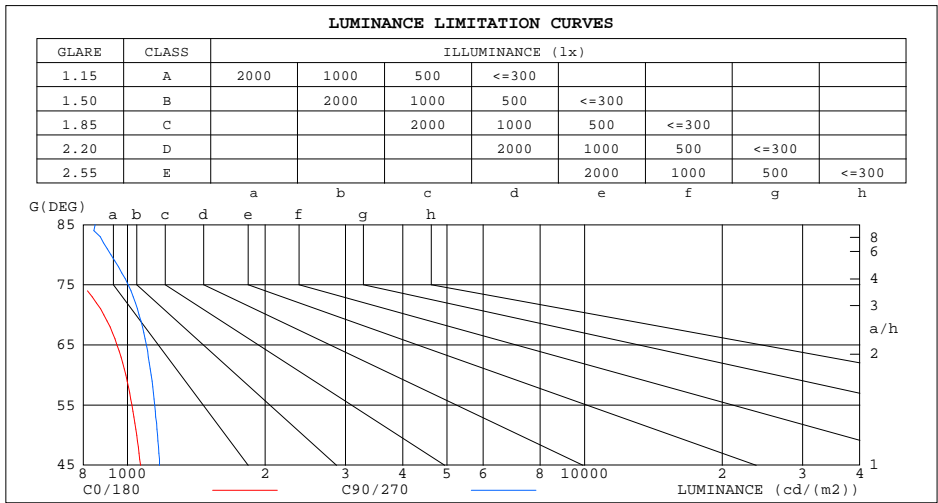
%lum = 78.7%
%lamp = 78.7%

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:

LUMINANCE LIMITATION CURVES

Test:U:24.016V I:0.2440A P:5.8595W PF:1.0000 Freq:50.00Hz Lamp Flux:54.7931x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1616-ZYEB65红光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*16mm	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	428	850
80	653	920
75	796	1004
70	888	1060
65	949	1100
60	992	1126
55	1022	1147
50	1047	1163
45	1068	1176

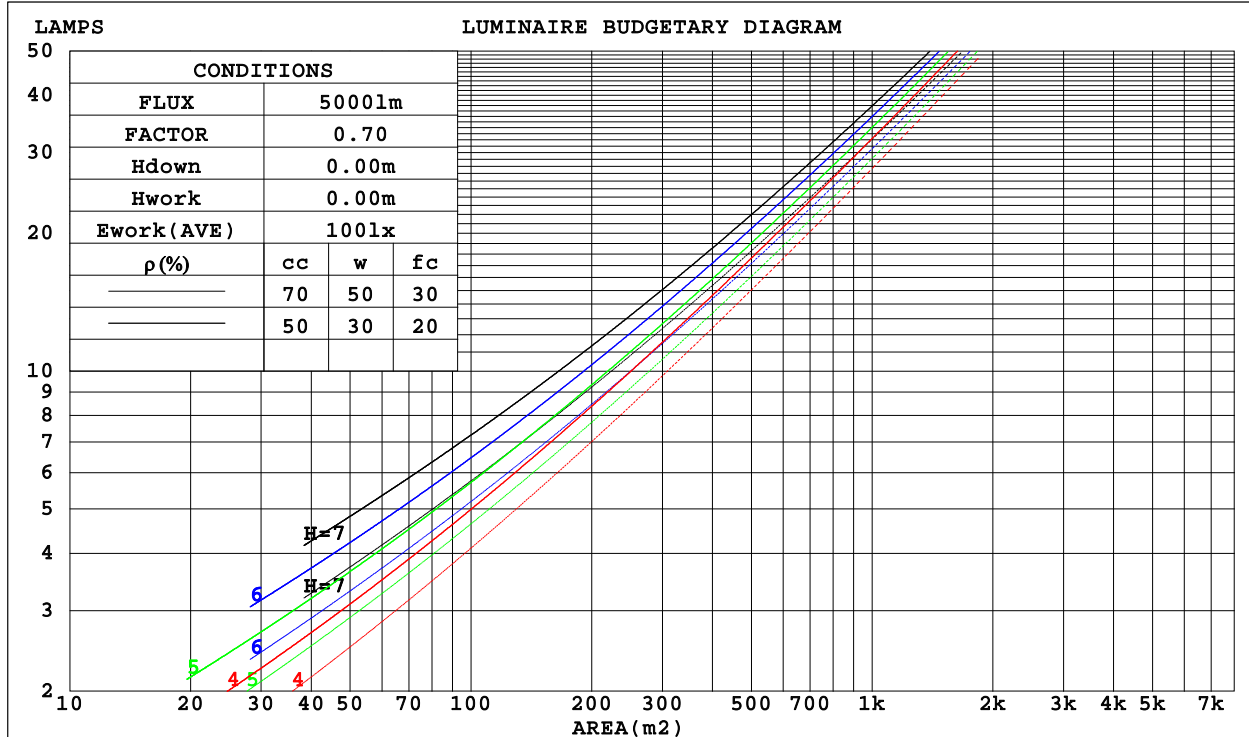
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-04-27

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:24.016V I:0.2440A P:5.8595W PF:1.0000 Freq:50.00Hz Lamp Flux:54.7931x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1616-ZYEB65红光		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*16mm	

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	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.90	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.39	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



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

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:24.016V I:0.2440A P:5.8595W PF:1.0000 Freq:50.00Hz Lamp Flux:54.7931x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1616-ZYEB65红光		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*16mm	

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	.310	.176	.056	.303	.173	.055	.290	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.292	.160	.049	.286	.157	.048	.274	.152	.047	.263	.148	.046	.253	.143	.045	
3.0	.270	.144	.043	.265	.142	.043	.254	.138	.042	.245	.134	.041	.236	.131	.040	
4.0	.249	.130	.038	.244	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.117	.034	.226	.116	.034	.218	.114	.033	.210	.111	.033	.203	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.098	.028	.196	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023	
10.0	.164	.078	.022	.161	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.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	.180	.156	.134	.154	.134	.116	.106	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.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	.073	.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:24.016V I:0.2440A P:5.8595W PF:1.0000 Freq:50.00Hz Lamp Flux:54.7931x1 lm										
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1616-ZYEB65红光								WEIGHT:		
SPEC.:				DIM.:				SERIAL No.:		
MFR.:				SUR.:1000*16mm						
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	12.6	14.1	12.8	14.3	14.5	13.0	14.5	13.2	14.7	14.9
3H	14.0	15.4	14.3	15.6	15.9	14.5	15.9	14.8	16.2	16.4
4H	14.5	15.9	14.9	16.1	16.4	15.2	16.5	15.5	16.8	17.0
6H	14.9	16.1	15.2	16.4	16.7	15.6	16.9	16.0	17.2	17.5
8H	14.9	16.2	15.3	16.4	16.7	15.8	17.0	16.1	17.3	17.6
12H	15.0	16.1	15.3	16.4	16.7	15.9	17.1	16.3	17.4	17.7
4H 2H	13.1	14.4	13.4	14.7	14.9	13.4	14.8	13.7	15.0	15.3
3H	14.7	15.8	15.0	16.1	16.4	15.1	16.3	15.5	16.6	16.9
4H	15.3	16.4	15.7	16.7	17.0	15.8	16.9	16.2	17.2	17.5
6H	15.7	16.6	16.1	17.0	17.4	16.4	17.3	16.8	17.7	18.0
8H	15.8	16.7	16.2	17.1	17.4	16.6	17.4	17.0	17.8	18.2
12H	15.8	16.7	16.3	17.0	17.4	16.7	17.5	17.1	17.9	18.3
8H 4H	15.4	16.3	15.8	16.7	17.1	15.9	16.8	16.3	17.2	17.6
6H	15.9	16.7	16.4	17.1	17.5	16.5	17.3	17.0	17.7	18.1
8H	16.1	16.7	16.5	17.1	17.6	16.8	17.4	17.2	17.8	18.3
12H	16.1	16.7	16.6	17.1	17.6	17.0	17.5	17.4	18.0	18.4
12H 4H	15.4	16.2	15.8	16.6	17.0	15.9	16.7	16.3	17.1	17.5
6H	15.9	16.6	16.4	17.0	17.4	16.5	17.2	17.0	17.6	18.1
8H	16.1	16.6	16.5	17.1	17.6	16.8	17.3	17.3	17.8	18.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.5				

CIE Pub.117, 54.79 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -10.1)
 Area: 0.016 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:24.016V I:0.2440A P:5.8595W PF:1.0000 Freq:50.00Hz Lamp Flux:54.7931x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1616-ZYEB65红光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*16mm	

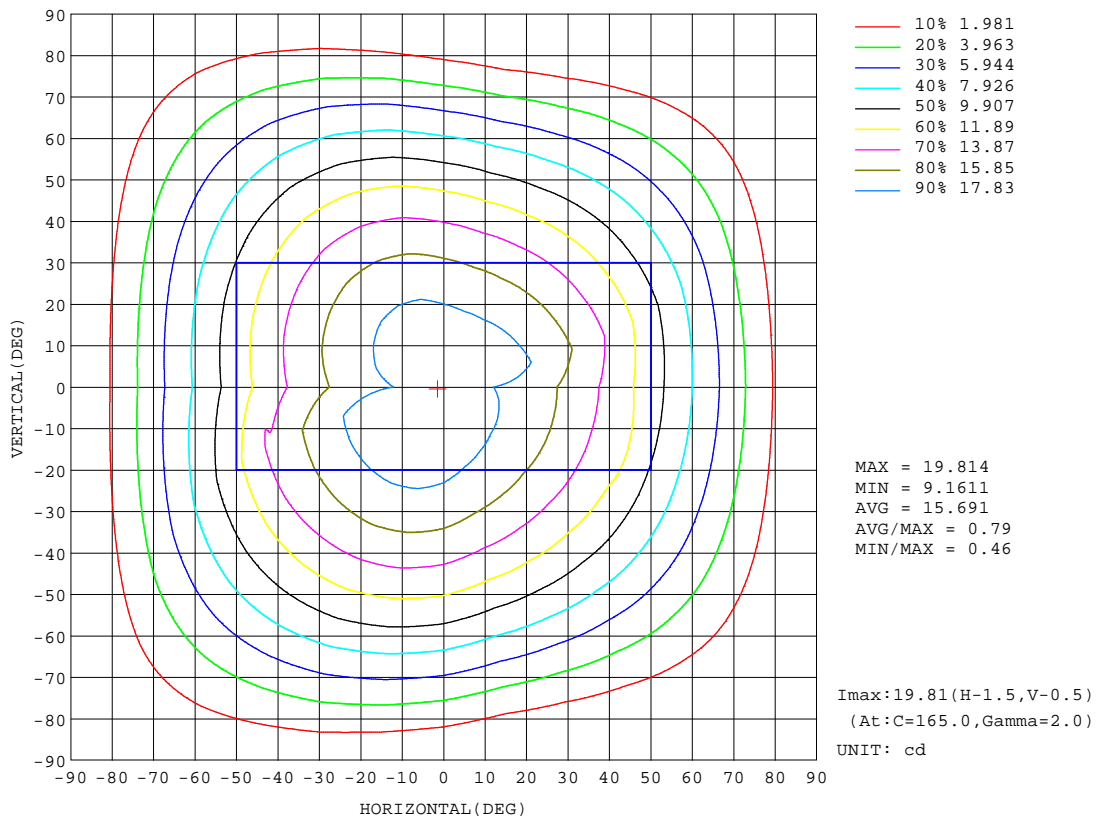
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	57	46	39	56	45	39	32
0.80	68	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	66	57	50
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	70	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	94	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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:24.016V I:0.2440A P:5.8595W PF:1.0000 Freq:50.00Hz Lamp Flux:54.7931x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1616-ZYEB65红光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*16mm	



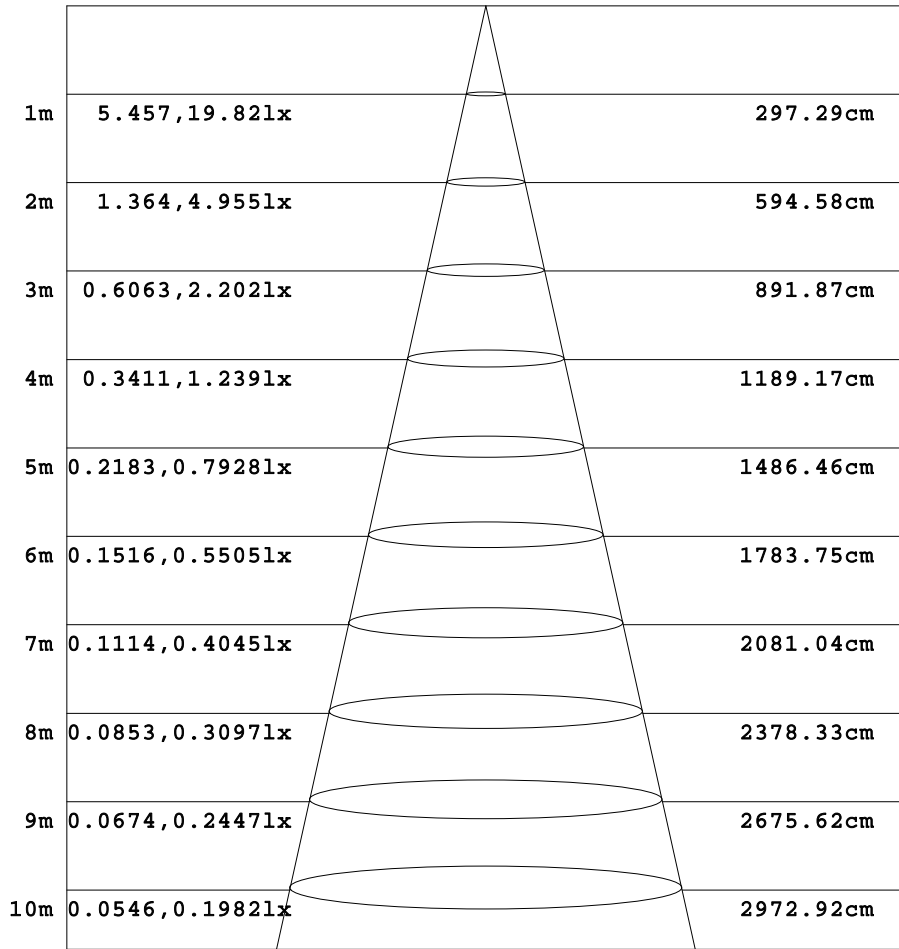
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-04-27

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:24.016V I:0.2440A P:5.8595W PF:1.0000 Freq:50.00Hz Lamp Flux:54.7931x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1616-ZYEB65红光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*16mm	

Flux out:40.65 lm



Height Eavg, Emax Angle:112.14deg Diameter

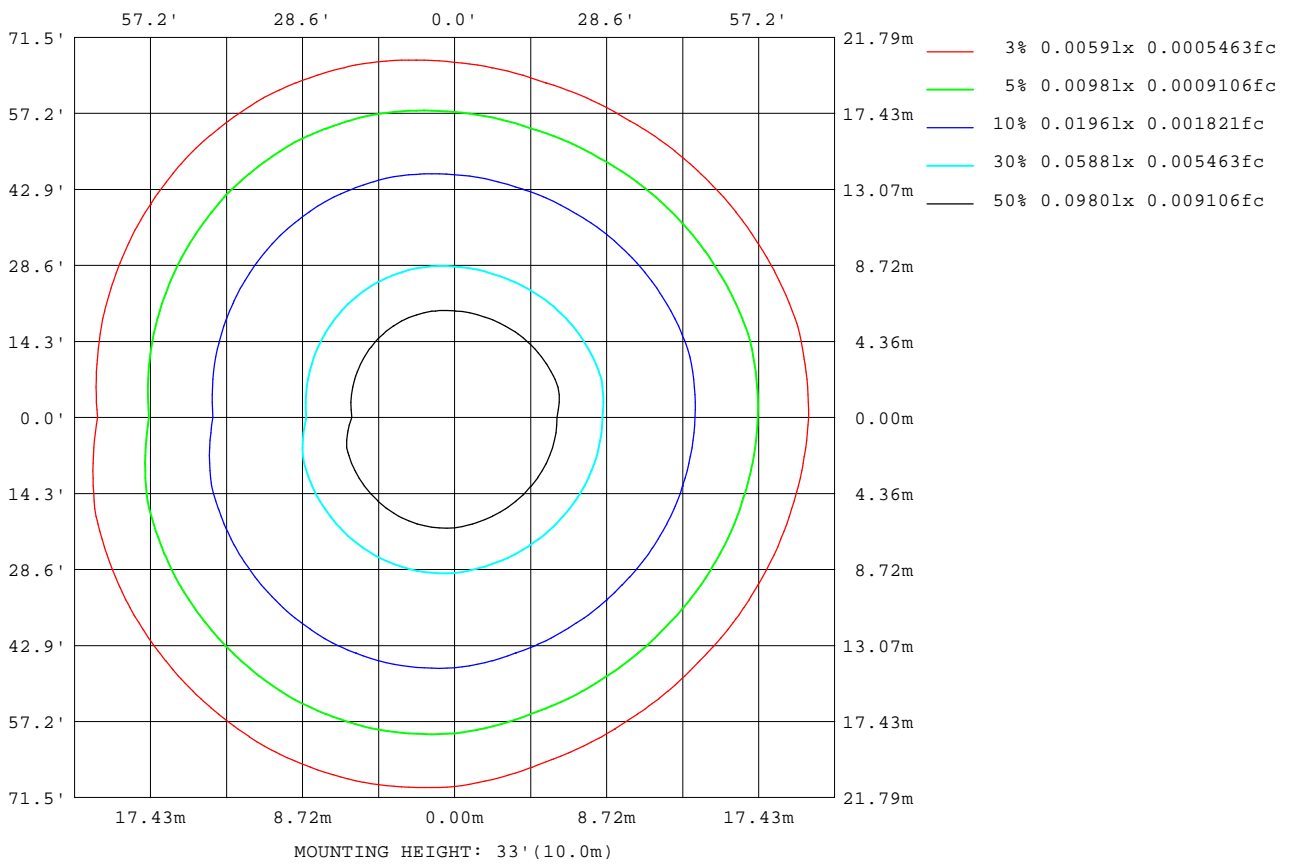
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

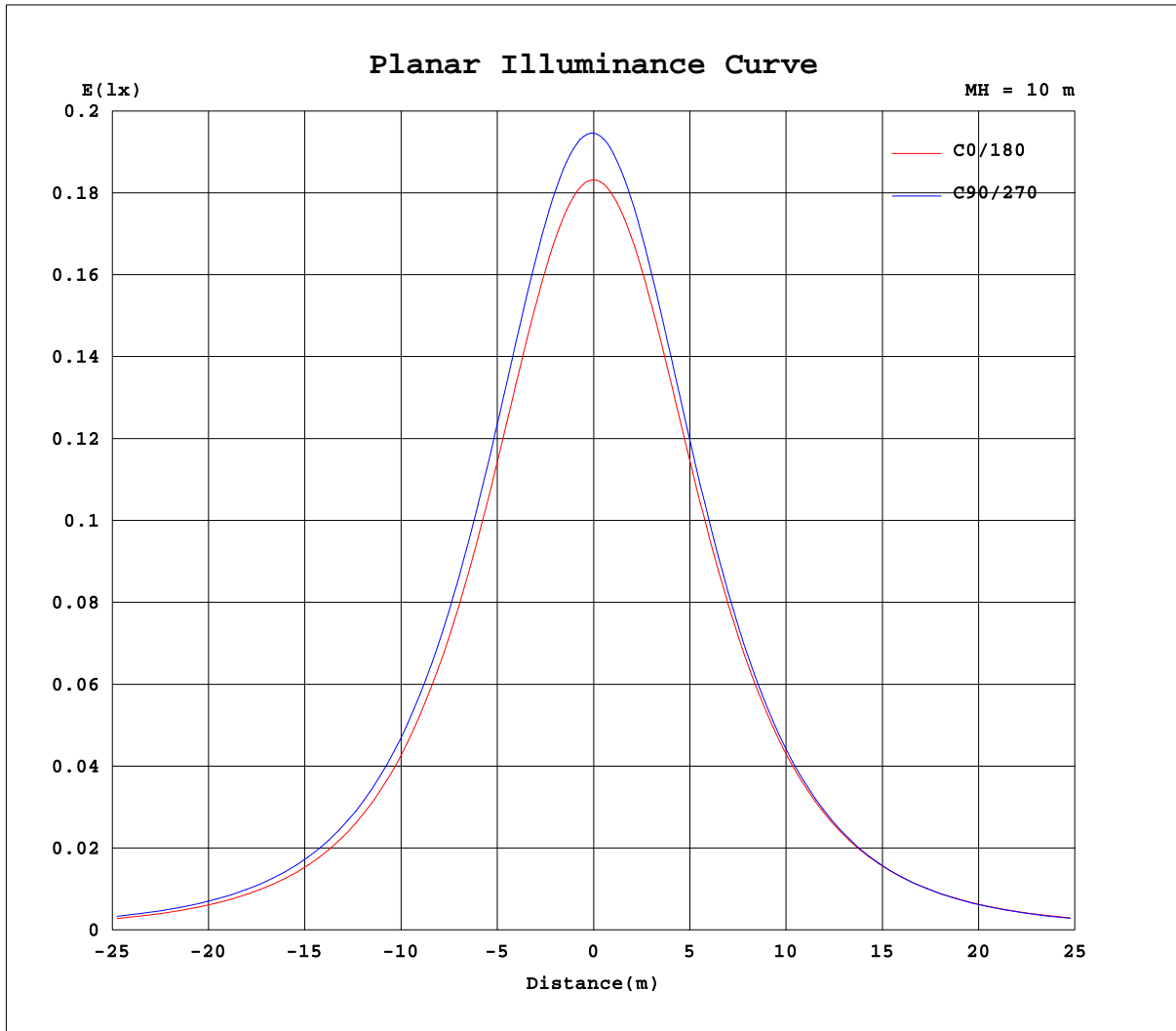
Test:U:24.016V I:0.2440A P:5.8595W PF:1.0000 Freq:50.00Hz Lamp Flux:54.7931x1 lm		
NAME: UN-BJ-DMX-DC24-5050RGBW-60D10S-18-9xx-1616-ZYEB65红光	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1000*16mm	



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:

Planar Illuminance Curve



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:

