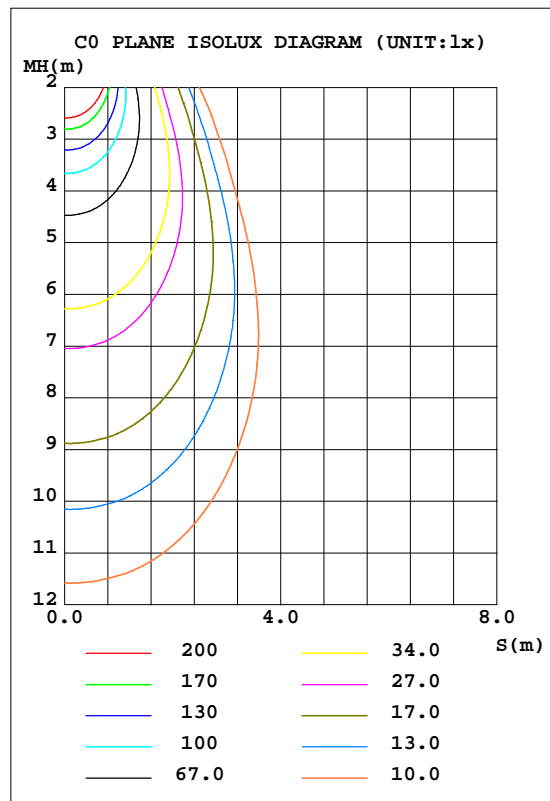
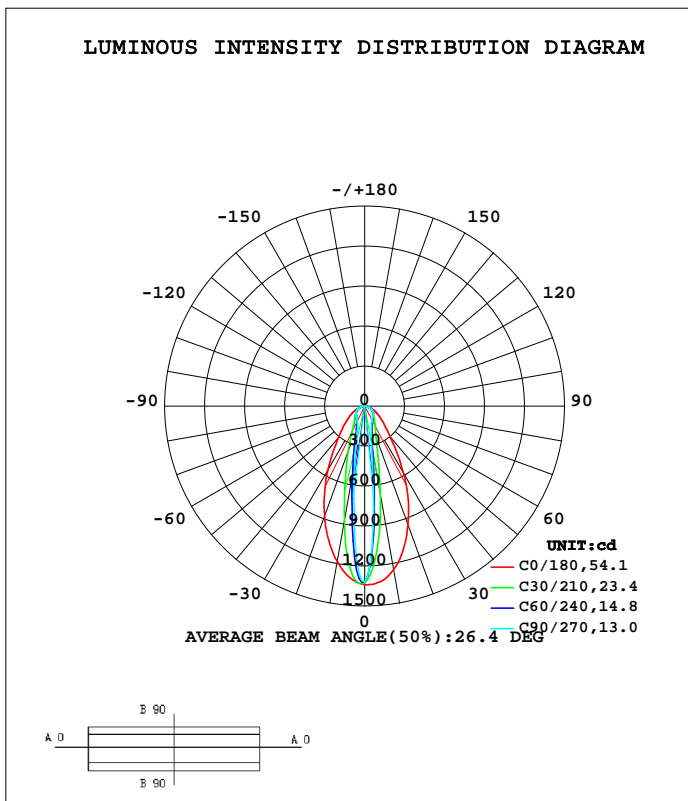


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.961V I:0.4787A P:11.470W PF:1.0000 Freq:50.00Hz Lamp Flux:685.709x1 lm		
NAME: 1213	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 59.78 lm/W			
MODEL		I _{max} (cd)	1341	S/MH(C0/180)	0.79
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.25
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	685.71	η UP, DN(C0-180)	0.0,48.1
NOMINAL FLUX(lm)	685.709	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,51.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	--	η down(%)	100.0	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-07-05

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	1248	466.7	304.4	524.5	1186	650.9	435.9	579.1	0- 10	87.14	87.14	12.7,12.7
20	952.4	195.3	151.0	199.6	882.5	237.1	159.1	211.0	10- 20	127.5	214.6	31.3,31.3
30	585.8	126.1	113.4	128.6	556.0	133.3	118.2	129.1	20- 30	113.1	327.8	47.8,47.8
40	296.1	102.7	100.1	105.0	303.2	104.9	102.6	103.4	30- 40	97.49	425.3	62,62
50	173.8	81.77	85.48	84.76	183.5	86.88	87.69	85.80	40- 50	86.96	512.2	74.7,74.7
60	104.0	60.25	66.62	63.41	109.8	66.86	70.26	65.40	50- 60	75.37	587.6	85.7,85.7
70	55.68	36.04	38.60	38.64	57.93	44.81	47.43	42.90	60- 70	57.17	644.8	94,94
80	18.01	12.41	12.25	14.39	19.55	20.79	22.17	18.75	70- 80	31.96	676.7	98.7,98.7
90	3.297	1.174	0.9279	1.321	4.749	3.246	3.888	2.761	80- 90	8.990	685.7	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): 469.92 lm

%lum = 68.5%
%lamp = 68.5%

Conical surface Flux(120deg): 587.59 lm

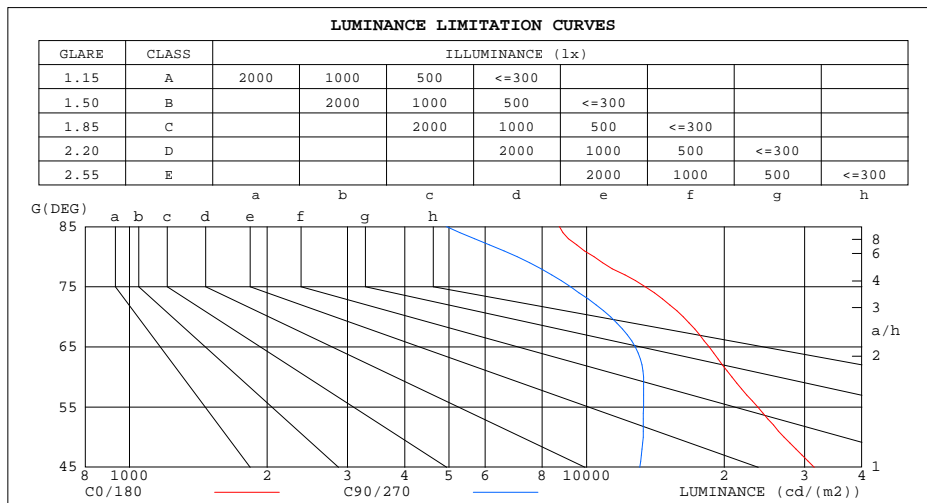
%lum = 85.7%
%lamp = 85.7%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:XIAOMI
Test Date:2023-07-05

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:23.961V I:0.4787A P:11.470W PF:1.0000 Freq:50.00Hz Lamp Flux:685.709x1 lm		
NAME: 1213	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	8727	4939
80	10374	7053
75	13443	9222
70	16279	11287
65	18551	12786
60	20799	13324
55	23715	13328
50	27034	13299
45	31493	13079

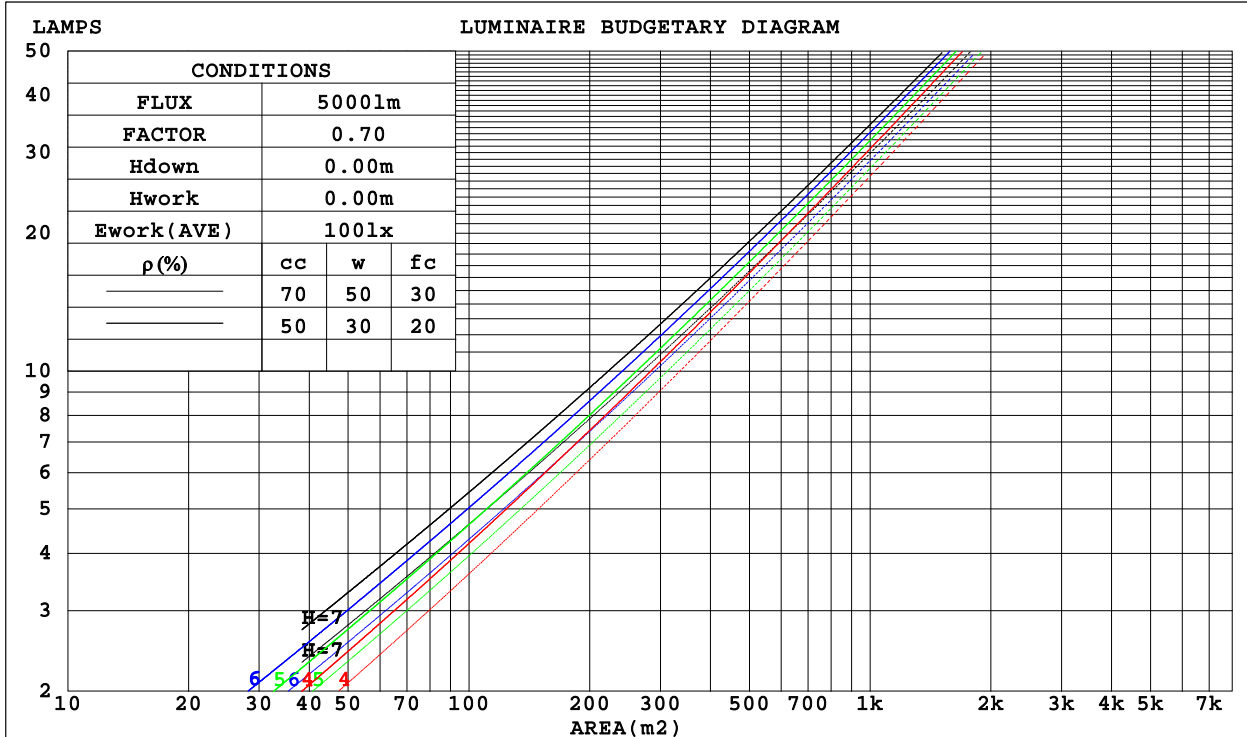
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: XIAOMI
 Test Date: 2023-07-05

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:23.961V I:0.4787A P:11.470W PF:1.0000 Freq:50.00Hz Lamp Flux:685.709x1 lm		
NAME: 1213	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	

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	1.07	1.03	.00	1.04	1.01	.98	1.00	.98	.95	.96	.94	.92	.93	.91	.90	.88
2.0	.96	.90	.85	.94	.89	.84	.91	.86	.82	.87	.84	.81	.84	.82	.79	.77
3.0	.87	.80	.74	.85	.79	.74	.82	.77	.73	.80	.75	.71	.77	.73	.70	.68
4.0	.79	.72	.66	.78	.71	.66	.75	.70	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.73	.65	.60	.72	.65	.59	.70	.63	.59	.68	.62	.58	.66	.61	.58	.56
6.0	.67	.60	.54	.66	.59	.54	.65	.58	.54	.63	.58	.53	.62	.57	.53	.51
7.0	.63	.55	.50	.62	.55	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.47
8.0	.59	.51	.46	.58	.51	.46	.57	.51	.46	.56	.50	.46	.55	.49	.46	.44
9.0	.55	.48	.43	.55	.48	.43	.54	.47	.43	.53	.47	.43	.52	.47	.43	.41
10.0	.52	.45	.41	.52	.45	.41	.51	.45	.41	.50	.44	.40	.49	.44	.40	.39



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-07-05

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:23.961V I:0.4787A P:11.470W PF:1.0000 Freq:50.00Hz Lamp Flux:685.709x1 lm		
NAME: 1213	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	

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	.256	.145	.046	.249	.142	.045	.236	.135	.043	.224	.129	.041	.213	.123	.040	
2.0	.240	.132	.040	.234	.129	.040	.223	.124	.039	.213	.119	.037	.203	.115	.036	
3.0	.223	.119	.036	.218	.117	.035	.208	.113	.034	.199	.109	.033	.191	.106	.033	
4.0	.207	.107	.032	.202	.106	.031	.194	.103	.031	.186	.100	.030	.178	.097	.030	
5.0	.192	.098	.028	.188	.096	.028	.180	.094	.028	.173	.092	.027	.167	.089	.027	
6.0	.179	.090	.026	.175	.089	.025	.169	.086	.025	.162	.084	.025	.157	.082	.024	
7.0	.167	.083	.023	.164	.082	.023	.158	.080	.023	.153	.078	.023	.147	.077	.023	
8.0	.157	.077	.022	.154	.076	.021	.149	.074	.021	.144	.073	.021	.139	.071	.021	
9.0	.148	.071	.020	.145	.071	.020	.140	.069	.020	.136	.068	.020	.132	.067	.019	
10.0	.139	.067	.019	.137	.066	.018	.133	.065	.018	.129	.064	.018	.125	.063	.018	

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	.177	.157	.139	.151	.134	.119	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.165	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.155	.114	.081	.133	.098	.070	.091	.068	.049	.053	.040	.029	.017	.013	.010	
4.0	.146	.100	.065	.126	.086	.056	.086	.060	.040	.050	.035	.023	.016	.011	.008	
5.0	.138	.089	.053	.119	.077	.046	.082	.054	.032	.047	.032	.019	.015	.010	.006	
6.0	.130	.080	.044	.112	.069	.038	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.123	.073	.038	.106	.063	.033	.073	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.117	.067	.032	.101	.058	.028	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.096	.054	.025	.066	.038	.018	.039	.022	.010	.013	.007	.003	
10.0	.106	.057	.025	.091	.050	.022	.063	.035	.016	.037	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-07-05

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:23.961V I:0.4787A P:11.470W PF:1.0000 Freq:50.00Hz Lamp Flux:685.709x1 lm										
NAME: 1213					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:					
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	22.0	23.2	22.2	23.4	23.6	20.1	21.3	20.3	21.5	21.7
3H	23.4	24.5	23.6	24.7	24.9	21.6	22.8	21.9	23.0	23.2
4H	23.9	25.0	24.2	25.2	25.4	22.1	23.2	22.4	23.4	23.7
6H	24.2	25.2	24.5	25.5	25.7	22.4	23.4	22.7	23.6	23.9
8H	24.2	25.2	24.6	25.5	25.8	22.4	23.4	22.7	23.7	23.9
12H	24.3	25.2	24.6	25.5	25.8	22.4	23.4	22.7	23.7	23.9
4H 2H	22.2	23.3	22.5	23.5	23.8	20.7	21.8	21.0	22.0	22.2
3H	23.7	24.7	24.1	25.0	25.3	22.4	23.3	22.7	23.6	23.9
4H	24.3	25.2	24.7	25.5	25.8	22.9	23.8	23.3	24.1	24.5
6H	24.7	25.5	25.1	25.9	26.2	23.3	24.1	23.7	24.4	24.8
8H	24.9	25.6	25.3	26.0	26.3	23.4	24.1	23.8	24.4	24.8
12H	24.9	25.6	25.3	26.0	26.4	23.4	24.1	23.8	24.4	24.8
8H 4H	24.4	25.1	24.8	25.5	25.9	23.1	23.9	23.5	24.2	24.6
6H	24.9	25.5	25.3	25.9	26.3	23.6	24.2	24.0	24.6	25.0
8H	25.1	25.6	25.5	26.0	26.5	23.7	24.2	24.1	24.7	25.1
12H	25.2	25.6	25.6	26.1	26.6	23.8	24.2	24.2	24.7	25.1
12H 4H	24.4	25.1	24.8	25.4	25.8	23.1	23.8	23.5	24.2	24.6
6H	24.9	25.4	25.3	25.9	26.3	23.6	24.1	24.0	24.5	25.0
8H	25.1	25.5	25.5	26.0	26.5	23.7	24.2	24.2	24.6	25.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 0.4					+ 0.2 / - 0.2				
1.5H	+ 1.8 / - 0.8					+ 0.2 / - 0.3				
2.0H	+ 2.1 / - 1.1					+ 0.2 / - 0.4				

CIE Pub.117, 685.7 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.3)
 Area: 0.01 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-07-05

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:23.961V I:0.4787A P:11.470W PF:1.0000 Freq:50.00Hz Lamp Flux:685.709x1 lm		
NAME: 1213	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	

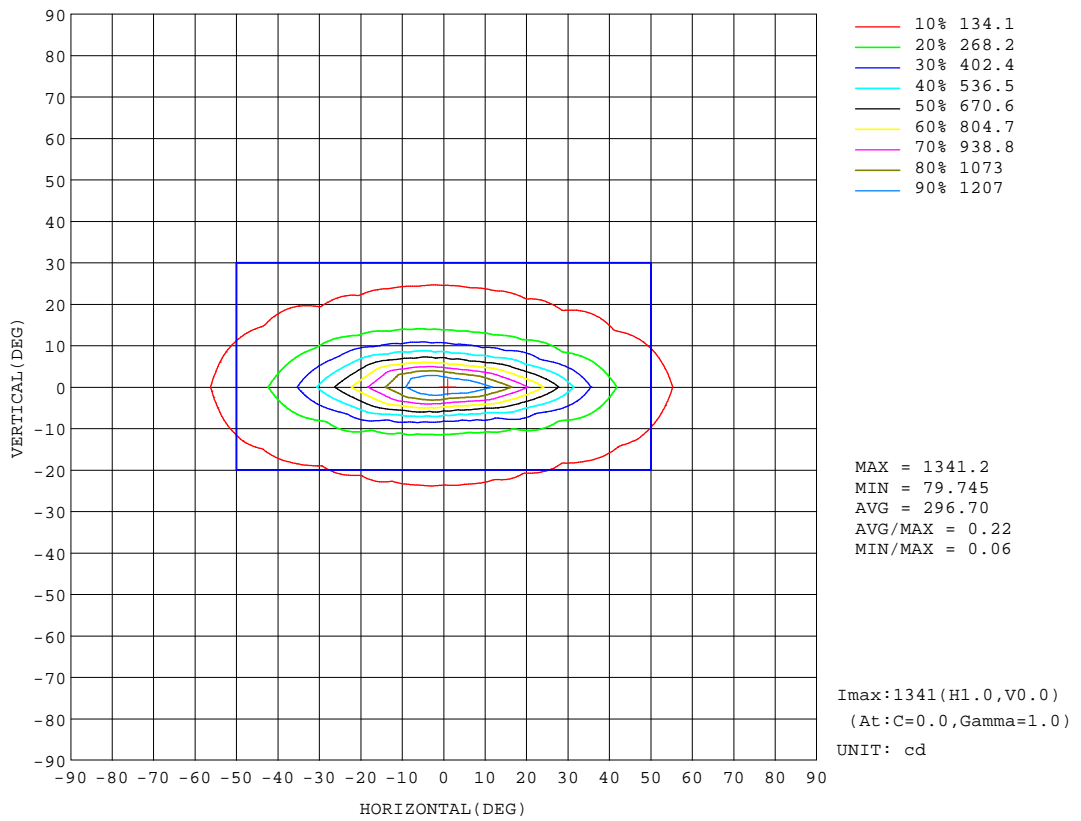
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	68	58	53	68	58	53	67	58	52	47
0.80	77	68	62	76	67	61	75	67	61	55
1.00	84	75	69	83	75	69	81	75	68	62
1.25	90	82	76	89	81	75	86	80	75	68
1.50	94	86	81	93	85	80	90	84	79	73
2.00	100	93	87	98	92	87	95	89	85	78
2.50	103	96	92	101	95	91	97	93	89	81
3.00	106	100	95	104	98	94	100	96	92	84
4.00	109	104	100	107	103	99	103	99	96	88
5.00	111	107	104	109	105	102	104	102	99	90
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:2023-07-05

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:23.961V I:0.4787A P:11.470W PF:1.0000 Freq:50.00Hz Lamp Flux:685.709x1 lm		
NAME: 1213	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	



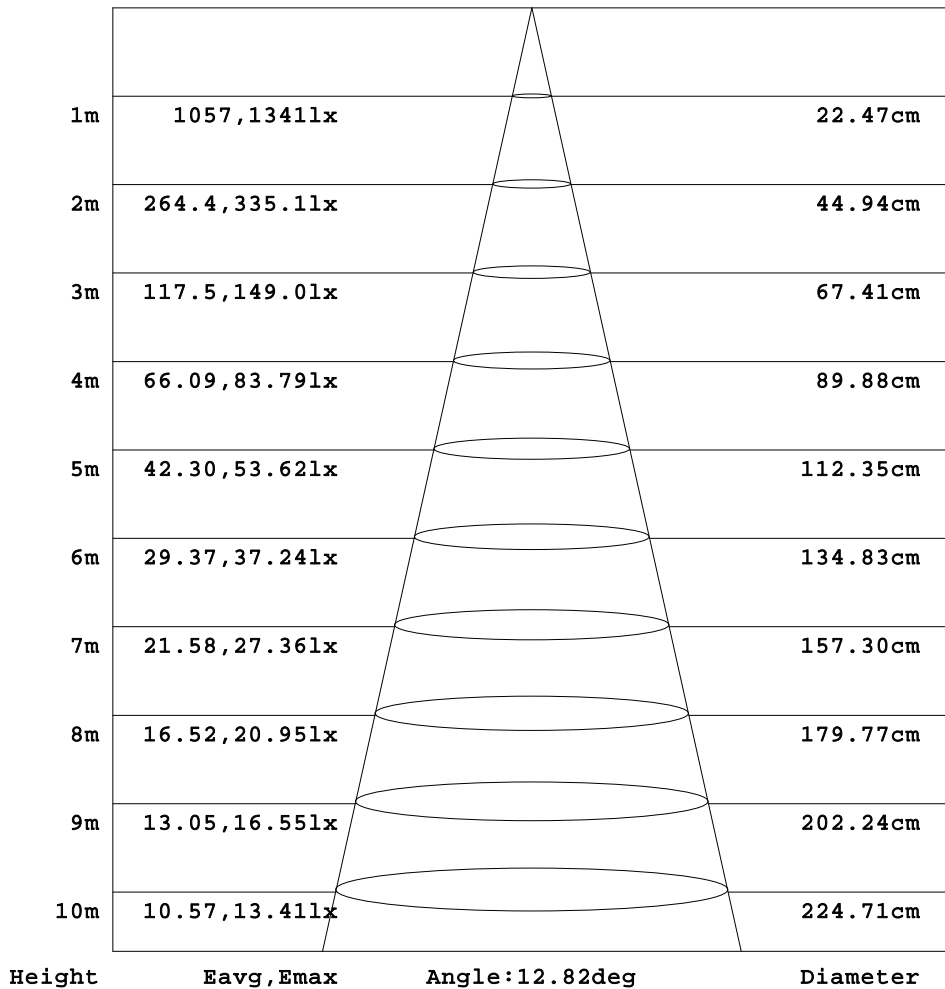
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-07-05

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:23.961V I:0.4787A P:11.470W PF:1.0000 Freq:50.00Hz Lamp Flux:685.709x1 lm		
NAME: 1213	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	

Flux out:50.08 lm



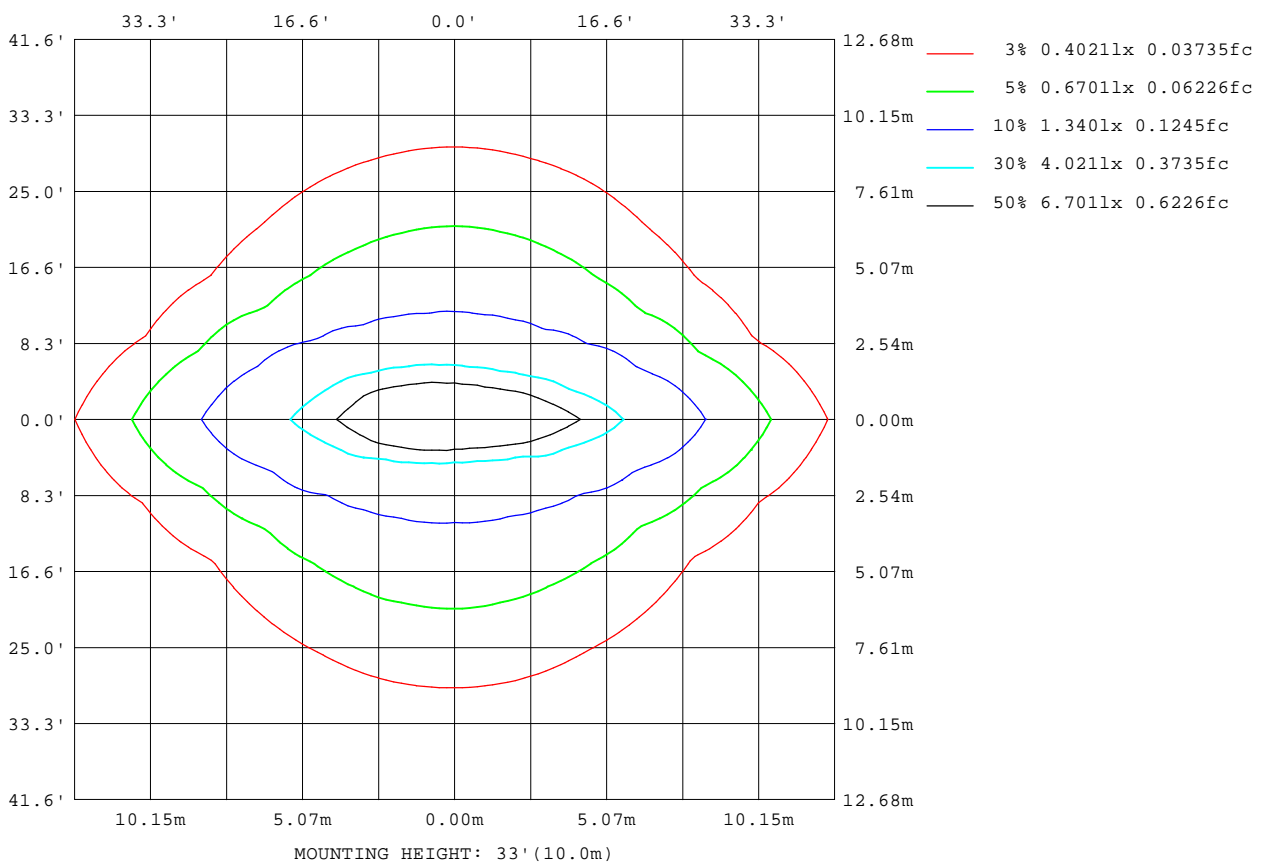
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:XIAOMI
 Test Date:2023-07-05

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

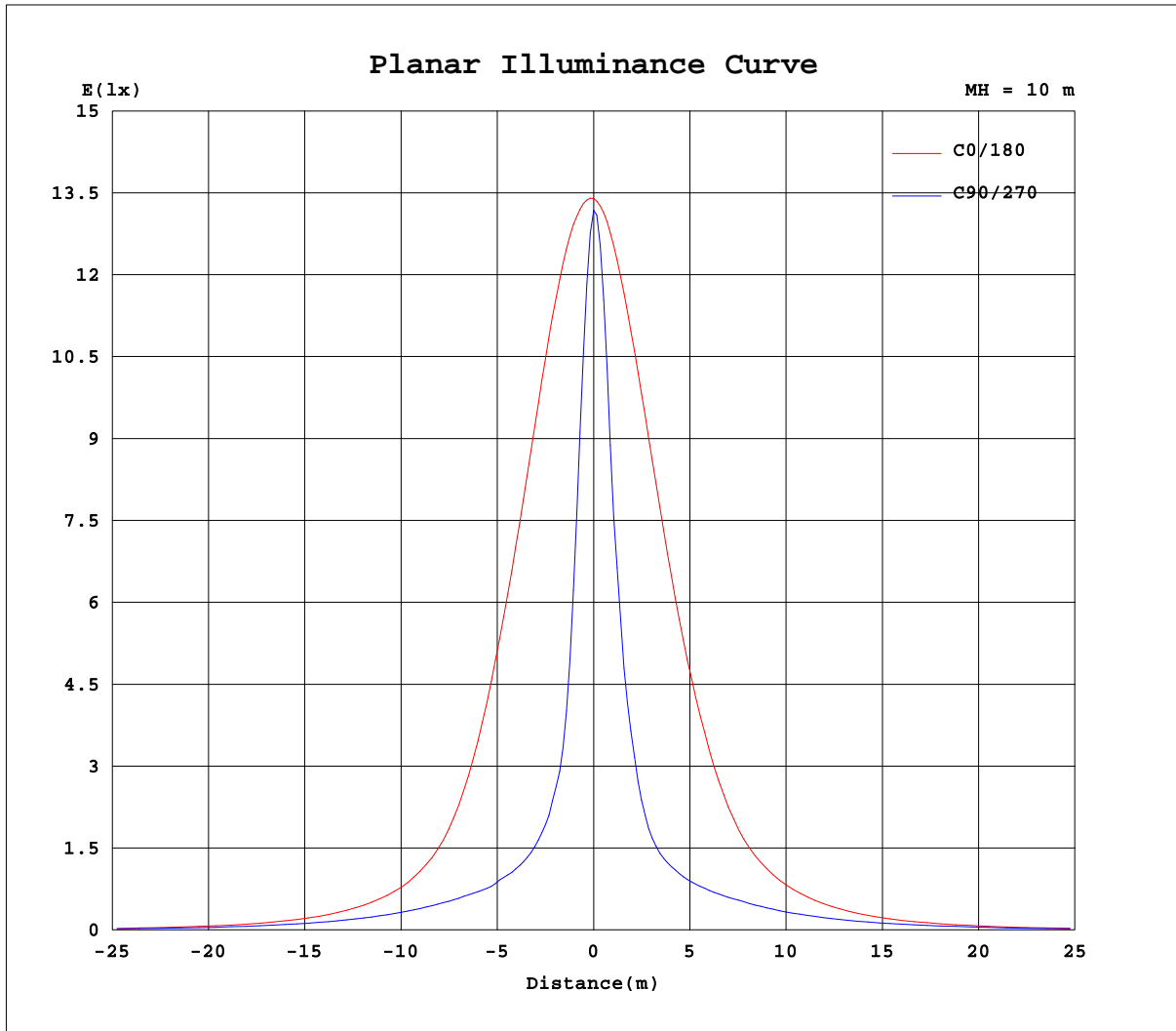
Test:U:23.961V I:0.4787A P:11.470W PF:1.0000 Freq:50.00Hz Lamp Flux:685.709x1 lm		
NAME: 1213	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: XIAOMI
 Test Date: 2023-07-05

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: 2023-07-05

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:

