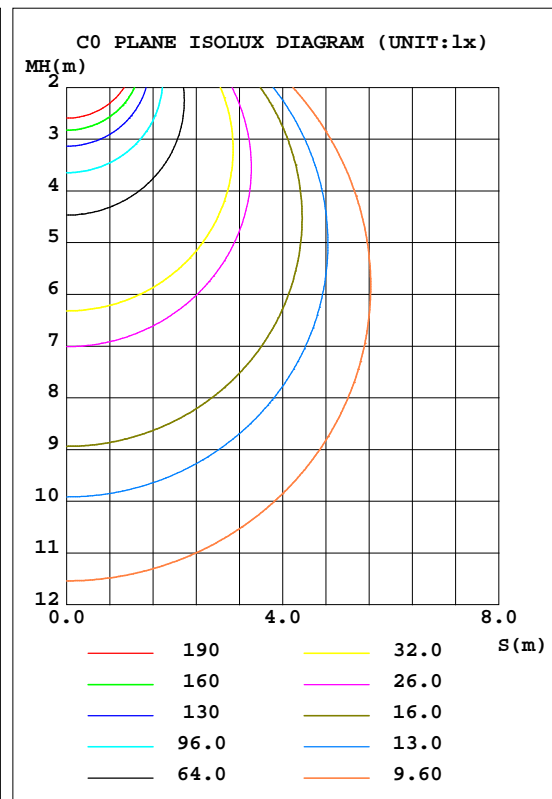
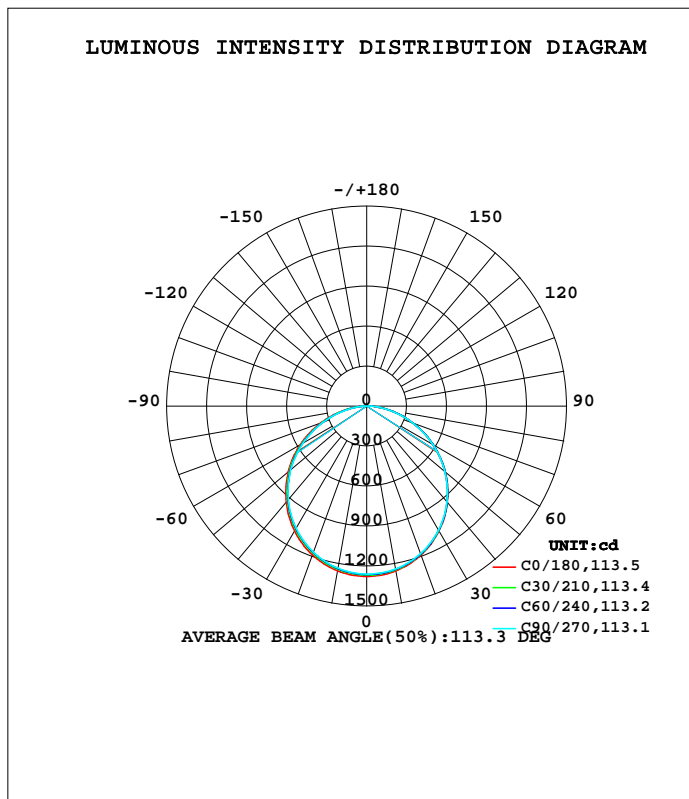


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.85V I:0.3178A P:38.795W PF:0.9502 Freq:49.99Hz Lamp Flux:3657.51x1 lm		
NAME: 300-1200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1135*235mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		I _{max} (cd)	1278	S/MH(C0/180)	1.26
NOMINAL POWER(W)	--	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	3657.5	η UP, DN(C0-180)	0.0,50.6
NOMINAL FLUX(lm)	3657.51	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.4
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:DAMIN
 Test Date:2022-10-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.650m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

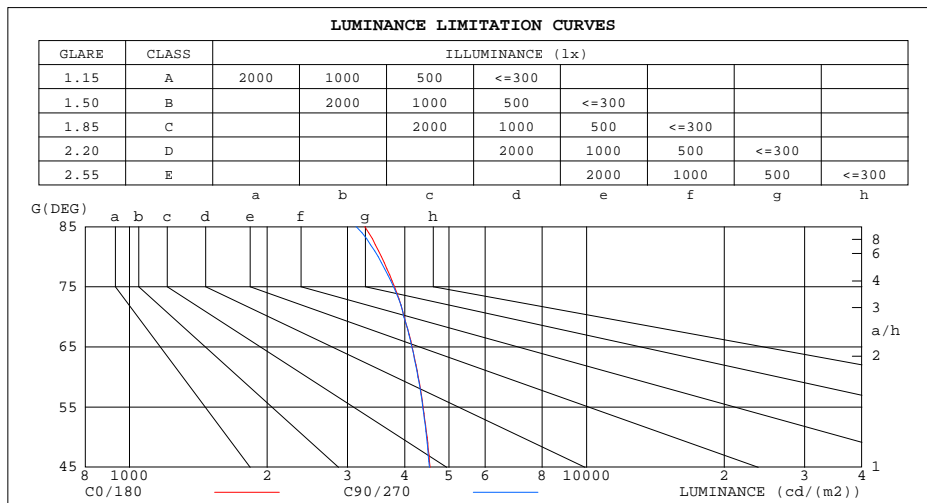
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	\$lum,lamp
10	1256	1247	1242	1237	1256	1241	1235	1233	0- 10	119.5	119.5	3.27,3.27
20	1190	1185	1180	1174	1189	1173	1168	1167	10- 20	342.6	462.1	12.6,12.6
30	1084	1081	1077	1071	1082	1065	1060	1060	20- 30	519.9	982.0	26.8,26.8
40	941.4	941.7	937.3	931.4	939.4	920.9	915.6	918.6	30- 40	628.0	1610	44,44
50	768.5	773.3	766.3	763.9	769.1	747.1	746.8	747.0	40- 50	653.0	2263	61.9,61.9
60	571.9	579.6	571.2	571.2	573.2	550.6	548.9	552.4	50- 60	593.4	2856	78.1,78.1
70	364.2	371.6	364.0	364.0	362.7	342.8	340.3	345.3	60- 70	455.7	3312	90.6,90.6
80	165.0	170.0	162.3	163.0	160.1	142.6	138.3	149.7	70- 80	268.8	3581	97.9,97.9
90	2.361	4.880	6.453	5.061	1.209	1.062	1.240	2.427	80- 90	76.60	3658	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		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-10-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.650m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:221.85V I:0.3178A P:38.795W PF:0.5502 Freq:49.99Hz Lamp Flux:3657.51x1 lm		
NAME: 300-1200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1135*235mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3272	3133
80	3560	3501
75	3801	3783
70	3989	3986
65	4154	4151
60	4284	4279
55	4391	4383
50	4478	4465
45	4548	4530

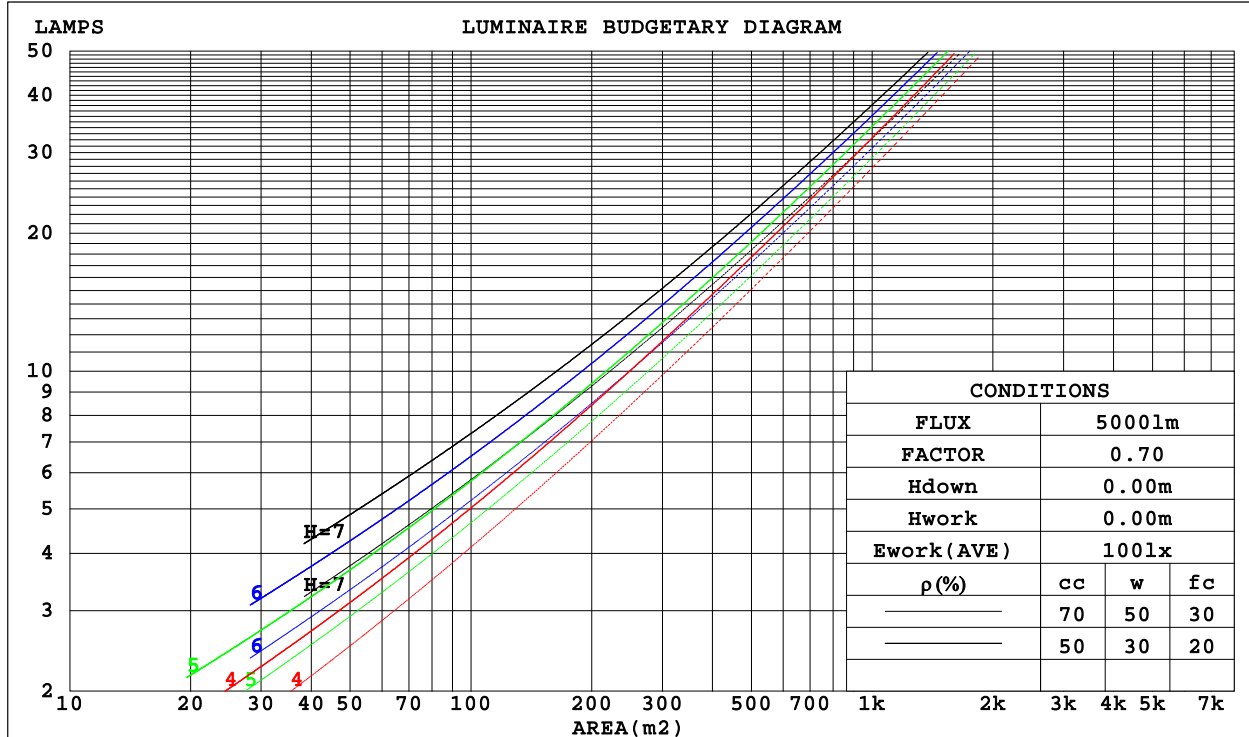
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-10-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.650m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.85V I:0.3178A P:38.795W PF:0.5502 Freq:49.99Hz Lamp Flux:3657.51x1 lm		
NAME: 300-1200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1135*235mm	Shielding Angle:

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	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.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	.40	.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	.34	.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:DAMIN
 Test Date:2022-10-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.650m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:221.85V I:0.3178A P:38.795W PF:0.5502 Freq:49.99Hz Lamp Flux:3657.51x1 lm		
NAME: 300-1200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1135*235mm	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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.314	.179	.057	.307	.175	.056	.294	.169	.054	.282	.162	.052	.270	.157	.051	
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046	
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.247	.135	.041	.238	.132	.041	
4.0	.251	.130	.038	.246	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036	
5.0	.232	.118	.034	.227	.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	.190	.100	.030	
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.084	.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	.019	.017	.015	
2.0	.173	.132	.098	.148	.114	.084	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.050	.093	.061	.036	.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:DAMIN
 Test Date:2022-10-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.650m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:221.85V I:0.3178A P:38.795W PF:0.5502 Freq:49.99Hz Lamp Flux:3657.51x1 lm										
NAME: 300-1200					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:1135*235mm			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	18.1	19.6	18.4	19.8	20.1	18.1	19.6	18.4	19.8	20.0
3H	19.7	21.1	20.0	21.3	21.6	19.7	21.1	20.0	21.3	21.6
4H	20.4	21.7	20.7	22.0	22.2	20.3	21.7	20.7	21.9	22.2
6H	20.9	22.1	21.2	22.4	22.7	20.8	22.1	21.2	22.4	22.6
8H	21.0	22.3	21.4	22.5	22.8	21.0	22.2	21.3	22.5	22.8
12H	21.1	22.3	21.5	22.6	22.9	21.1	22.3	21.4	22.6	22.9
4H 2H	18.7	20.1	19.1	20.3	20.6	18.7	20.1	19.1	20.3	20.6
3H	20.5	21.7	20.9	22.0	22.3	20.5	21.7	20.9	22.0	22.3
4H	21.3	22.4	21.7	22.7	23.0	21.3	22.4	21.7	22.7	23.0
6H	22.0	22.9	22.4	23.3	23.6	21.9	22.9	22.3	23.2	23.6
8H	22.2	23.1	22.6	23.5	23.8	22.1	23.0	22.6	23.4	23.8
12H	22.4	23.2	22.8	23.6	24.0	22.3	23.1	22.7	23.5	23.9
8H 4H	21.6	22.5	22.0	22.9	23.3	21.6	22.5	22.0	22.9	23.2
6H	22.4	23.2	22.9	23.6	24.0	22.4	23.1	22.8	23.5	24.0
8H	22.8	23.4	23.2	23.8	24.3	22.7	23.4	23.2	23.8	24.2
12H	23.0	23.6	23.5	24.0	24.5	23.0	23.5	23.4	24.0	24.4
12H 4H	21.6	22.5	22.1	22.8	23.2	21.6	22.4	22.0	22.8	23.2
6H	22.5	23.2	23.0	23.6	24.0	22.5	23.1	22.9	23.6	24.0
8H	22.9	23.5	23.4	23.9	24.4	22.8	23.4	23.3	23.8	24.3
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	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 3658 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.5)
 Area: 0.267 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-10-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.650m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:221.85V I:0.3178A P:38.795W PF:0.5502 Freq:49.99Hz Lamp Flux:3657.51x1 lm		
NAME: 300-1200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1135*235mm	Shielding Angle:

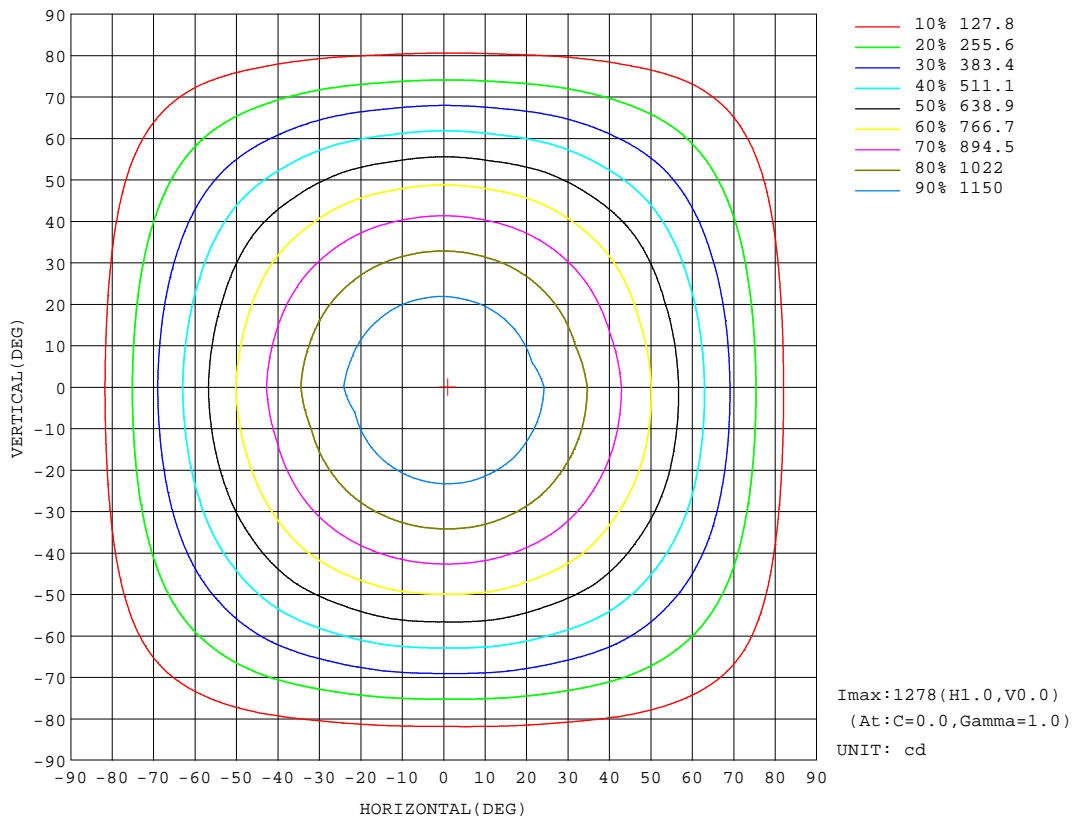
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	48	41
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	62
2.00	95	86	79	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	91	86	78
4.00	106	100	96	104	98	94	99	95	91	83
5.00	108	104	99	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:DAMIN
 Test Date:2022-10-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.650m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:221.85V I:0.3178A P:38.795W PF:0.5502 Freq:49.99Hz Lamp Flux:3657.51x1 lm		
NAME: 300-1200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1135*235mm	Shielding Angle:



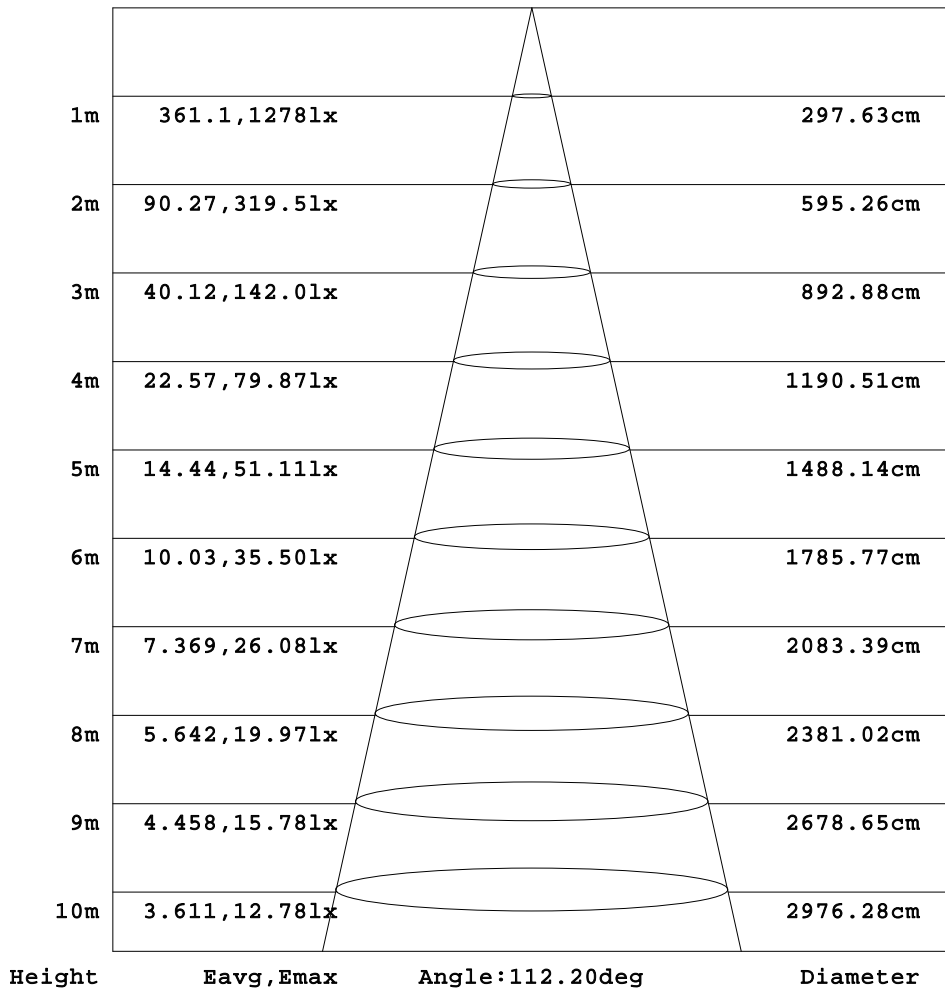
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-10-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.650m [K=1.0000]
 Remarks:

AAI Figure

Test:U:221.85V I:0.3178A P:38.795W PF:0.5502 Freq:49.99Hz Lamp Flux:3657.51x1 lm		
NAME: 300-1200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1135*235mm	Shielding Angle:

Flux out:2690 lm



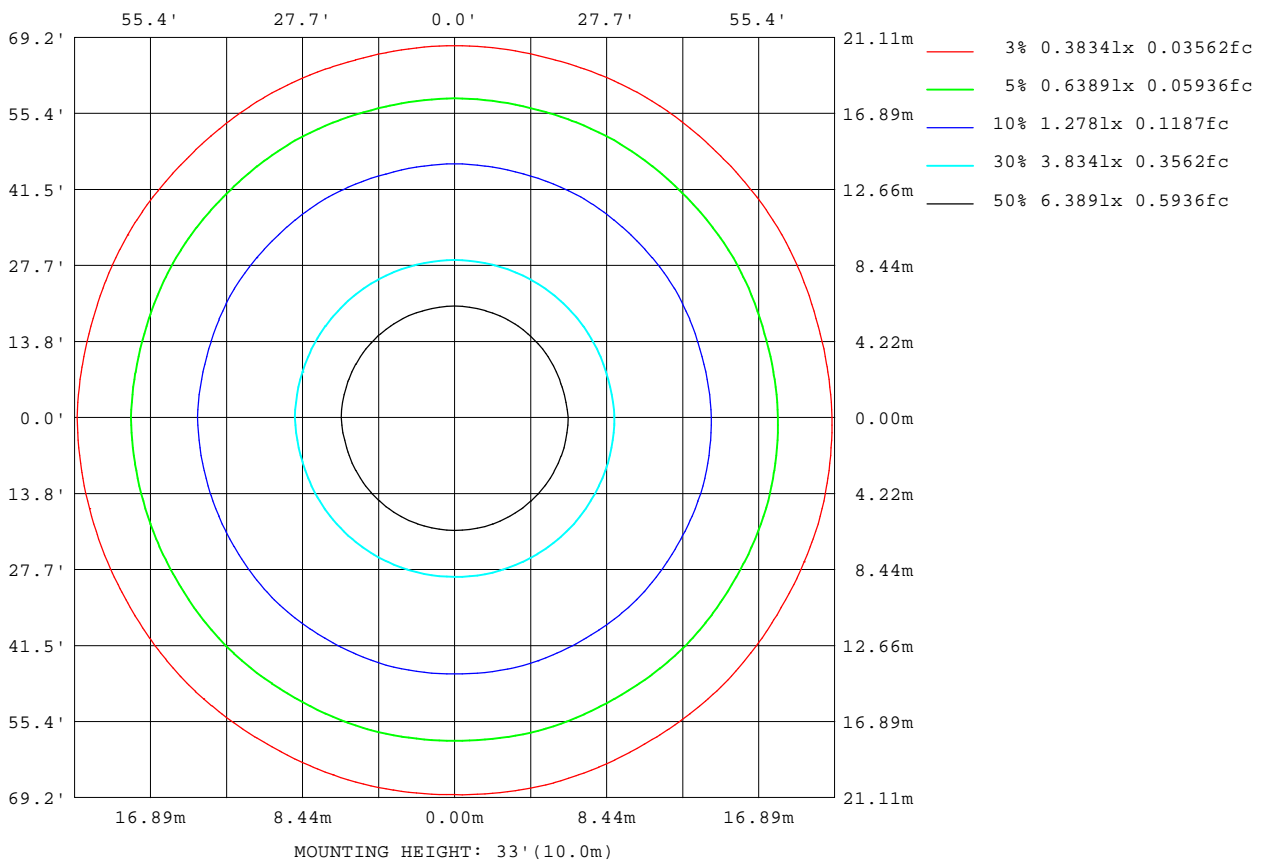
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-10-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.650m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:221.85V I:0.3178A P:38.795W PF:0.5502 Freq:49.99Hz Lamp Flux:3657.51x1 lm		
NAME: 300-1200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1135*235mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-10-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.650m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:221.85V I:0.3178A P:38.795W PF:0.5502 Freq:49.99Hz Lamp Flux:3657.51x1 lm		
NAME: 300-1200	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1135*235mm	Shielding Angle:

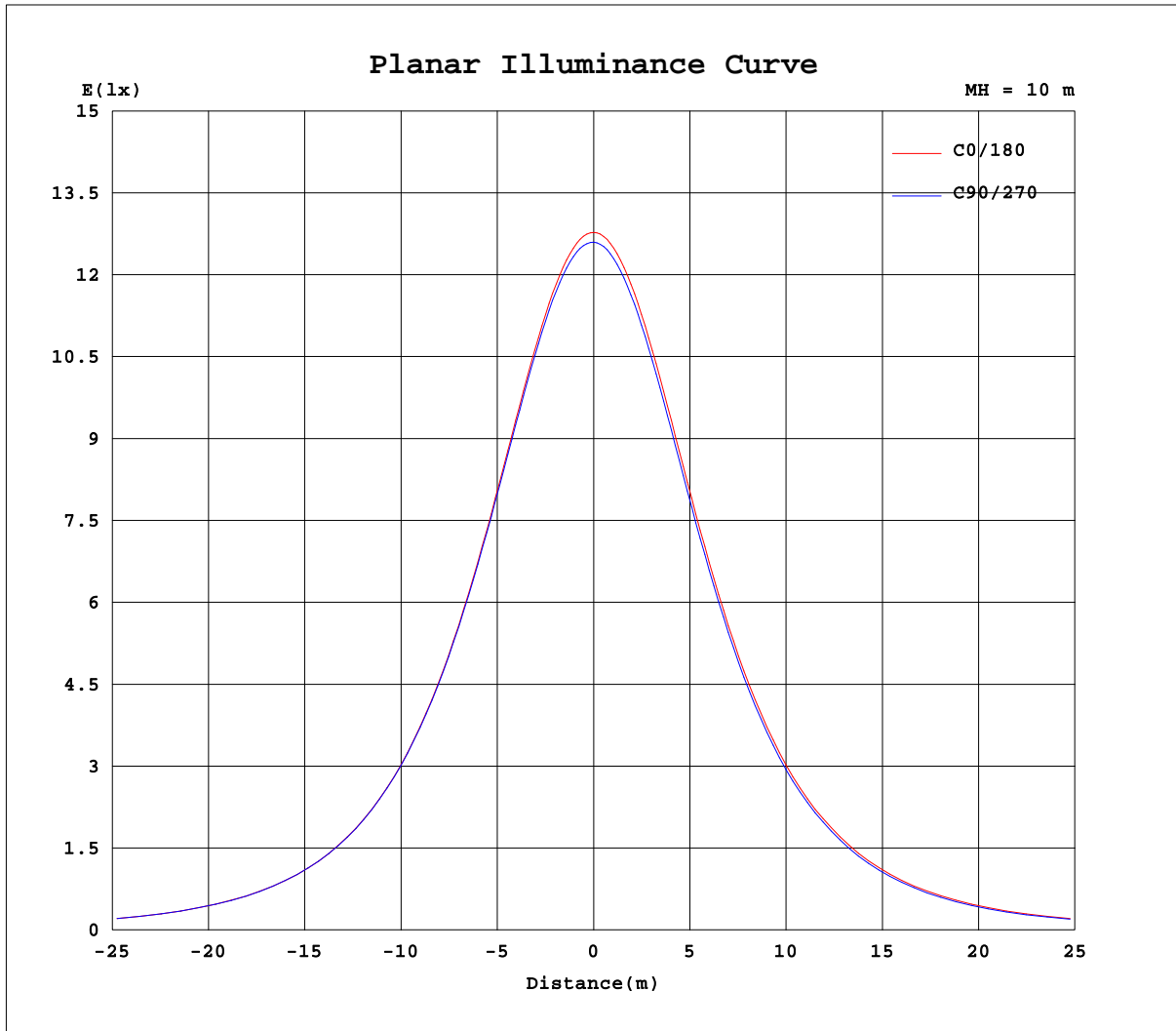
AvgL	cd/m2
L_0~180(65)av	4154
L_0~180(75)av	3771
L_0~180(85)av	3146
L_90~270(65)av	4048
L_90~270(75)av	3602
L_90~270(85)av	2633
L_45(65)av	4080
L_45(75)av	3681
L_45(85)av	2856

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-10-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.650m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-10-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 10.650m [K=1.0000]
Remarks:

