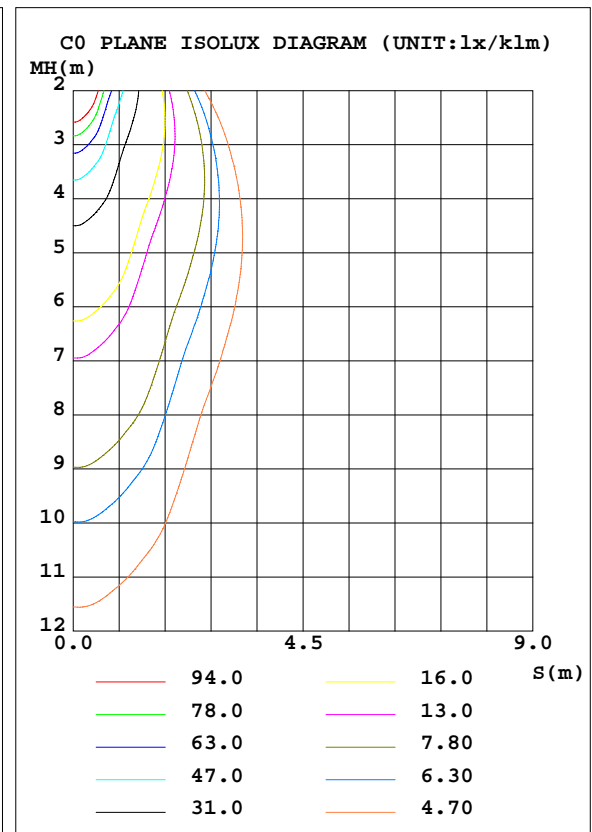
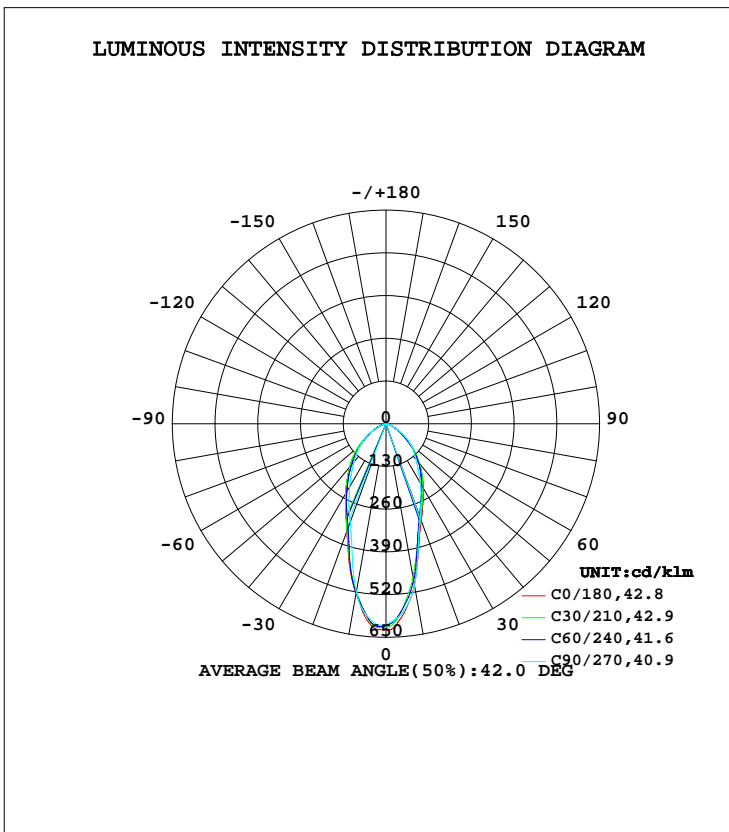


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: GU10HA-6W-6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax(cd/klm)	627.7	S/MH(C0/180)	0.68
NOMINAL POWER(W)	6	LOR(%)	61.2	S/MH(C90/270)	0.63
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm/klm)	611.89	η UP, DN(C0-180)	0.0,30.1
NOMINAL FLUX(lm)	1000	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,31.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230.0	η down(%)	61.2	CIBSE SHR MAX	0.80



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-10

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:3.161m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

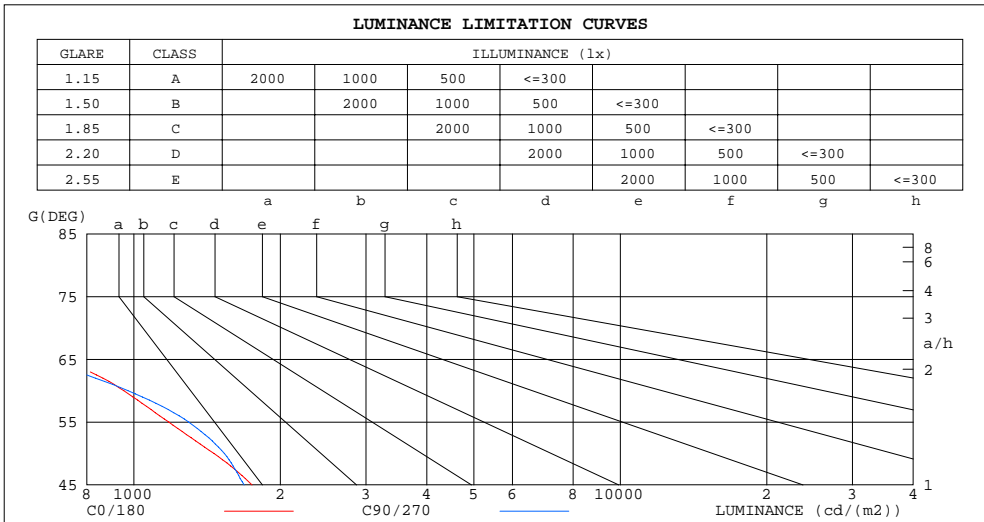
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	498.9	478.9	500.1	523.0	524.1	521.4	520.4	485.0	0- 10	53.26	53.26	8.7,5.33
20	314.2	304.0	304.7	322.8	348.3	342.5	319.2	300.5	10- 20	111.1	164.4	26.9,16.4
30	227.7	221.4	208.9	227.3	244.7	242.6	221.2	209.0	20- 30	123.1	287.4	47,28.7
40	156.6	156.8	142.0	159.9	171.5	167.4	152.6	146.0	30- 40	118.2	405.6	66.3,40.6
50	93.88	95.50	98.66	105.1	106.7	105.7	101.4	94.48	40- 50	98.68	504.3	82.4,50.4
60	47.67	45.38	48.63	51.60	54.14	53.34	54.67	46.65	50- 60	65.84	570.1	93.2,57
70	17.15	14.81	14.25	17.84	20.56	19.69	17.93	15.63	60- 70	31.25	601.4	98.3,60.1
80	3.935	2.355	1.618	3.230	5.604	3.514	2.030	2.412	70- 80	9.492	610.9	99.8,61.1
90	0.1087	0.0091	0.0248	0.0109	0.3304	0.0150	0.0241	0.0095	80- 90	0.9993	611.9	100,61.2
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/klm									UNIT:lm/klm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-10

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:3.161m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: GU10HA-6W-6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	138	14
80	227	93
75	343	249
70	501	417
65	717	650
60	953	973
55	1179	1296
50	1460	1535
45	1750	1685

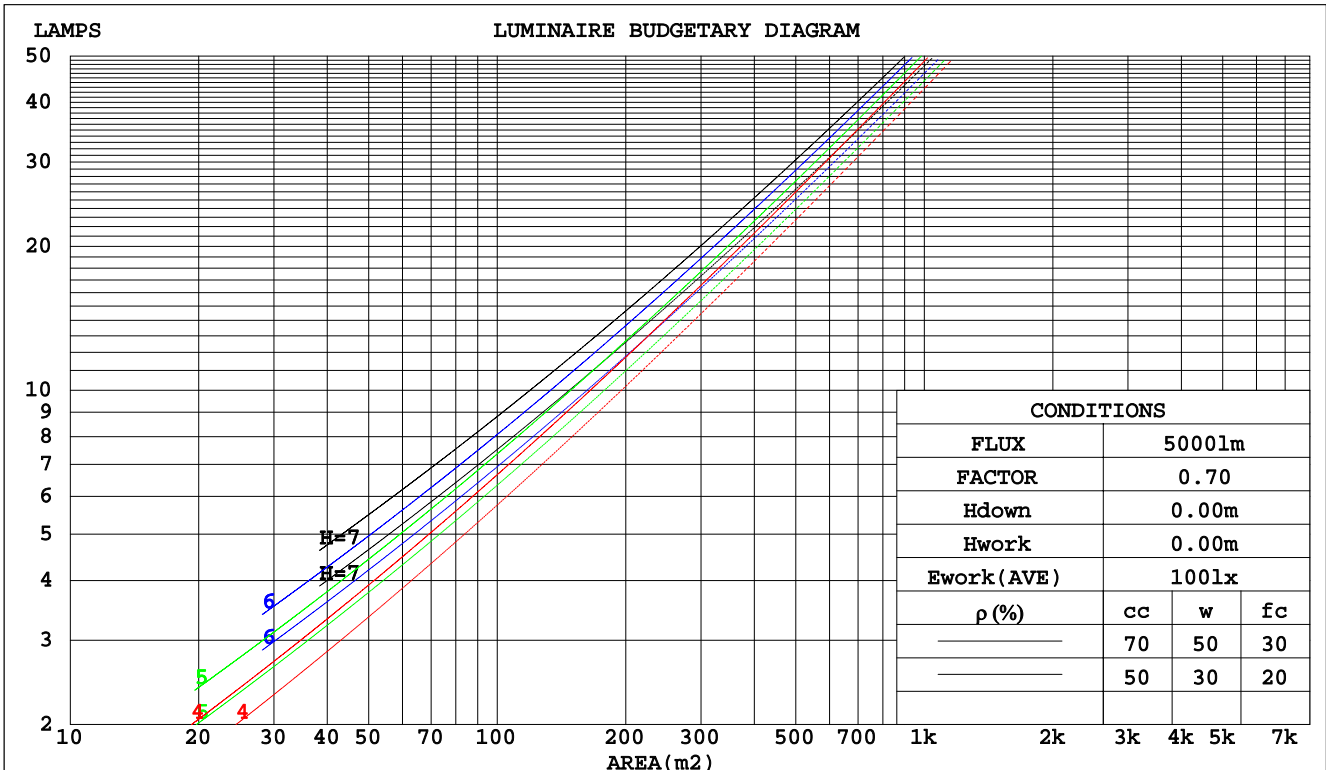
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-12-10

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-i300_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 3.161m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: GU10HA-6W-6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	.73	.73	.73	.71	.71	.71	.68	.68	.68	.65	.65	.65	.62	.62	.62	.61
1.0	.66	.64	.63	.65	.63	.62	.62	.61	.60	.60	.59	.58	.58	.57	.56	.55
2.0	.60	.57	.54	.59	.56	.53	.57	.54	.52	.55	.53	.51	.53	.51	.50	.49
3.0	.54	.50	.47	.53	.50	.47	.52	.49	.46	.50	.48	.45	.49	.47	.45	.44
4.0	.50	.45	.42	.49	.45	.42	.47	.44	.41	.46	.43	.41	.45	.42	.40	.39
5.0	.45	.41	.38	.45	.41	.37	.44	.40	.37	.42	.39	.37	.41	.39	.36	.35
6.0	.42	.37	.34	.41	.37	.34	.40	.36	.34	.39	.36	.33	.38	.35	.33	.32
7.0	.39	.34	.31	.38	.34	.31	.37	.34	.31	.37	.33	.31	.36	.33	.30	.29
8.0	.36	.32	.28	.36	.31	.28	.35	.31	.28	.34	.31	.28	.33	.30	.28	.27
9.0	.34	.29	.26	.33	.29	.26	.33	.29	.26	.32	.29	.26	.31	.28	.26	.25
10.0	.31	.27	.24	.31	.27	.24	.31	.27	.24	.30	.27	.24	.30	.26	.24	.23



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-12-10

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-i300_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 3.161m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: GU10HA-6W-6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.138	.079	.025	.134	.076	.024	.126	.072	.023	.119	.069	.022	.112	.065	.021	
2.0	.134	.074	.023	.131	.072	.022	.124	.069	.021	.118	.066	.021	.112	.063	.020	
3.0	.128	.068	.020	.125	.067	.020	.119	.064	.020	.113	.062	.019	.108	.060	.019	
4.0	.121	.063	.018	.118	.062	.018	.113	.060	.018	.108	.058	.018	.104	.056	.017	
5.0	.114	.058	.017	.111	.057	.017	.107	.056	.016	.103	.054	.016	.099	.053	.016	
6.0	.107	.054	.015	.105	.053	.015	.101	.052	.015	.097	.051	.015	.094	.049	.015	
7.0	.101	.050	.014	.099	.050	.014	.096	.048	.014	.092	.047	.014	.089	.046	.014	
8.0	.096	.047	.013	.094	.046	.013	.091	.045	.013	.088	.045	.013	.085	.044	.013	
9.0	.091	.044	.012	.089	.043	.012	.086	.043	.012	.084	.042	.012	.081	.041	.012	
10.0	.086	.041	.011	.085	.041	.011	.082	.040	.011	.080	.040	.011	.077	.039	.011	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.117	.117	.117	.100	.100	.100	.068	.068	.068	.039	.039	.039	.012	.012	.012	
1.0	.107	.096	.086	.091	.082	.074	.062	.057	.051	.036	.033	.030	.012	.011	.010	
2.0	.100	.081	.065	.085	.070	.056	.058	.048	.039	.034	.028	.023	.011	.009	.008	
3.0	.093	.070	.051	.080	.060	.044	.055	.042	.031	.032	.024	.018	.010	.008	.006	
4.0	.088	.061	.040	.076	.053	.035	.052	.037	.025	.030	.022	.015	.010	.007	.005	
5.0	.083	.054	.033	.072	.047	.029	.049	.033	.020	.029	.019	.012	.009	.006	.004	
6.0	.079	.049	.027	.068	.042	.024	.047	.030	.017	.027	.017	.010	.009	.006	.003	
7.0	.075	.045	.023	.065	.039	.020	.045	.027	.014	.026	.016	.008	.008	.005	.003	
8.0	.072	.041	.020	.062	.035	.017	.043	.025	.012	.025	.015	.007	.008	.005	.002	
9.0	.068	.038	.017	.059	.033	.015	.041	.023	.011	.024	.014	.006	.008	.004	.002	
10.0	.065	.035	.015	.056	.031	.013	.039	.021	.009	.023	.013	.006	.007	.004	.002	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-10

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:3.161m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: GU10HA-6W-6000K					TYPE:					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.: EVERFINE					SUR.:					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	12.3	13.6	12.6	13.7	13.9	12.2	13.4	12.4	13.6	13.7				
3H	12.6	13.7	12.9	14.0	14.2	12.4	13.5	12.7	13.7	14.0				
4H	12.7	13.7	12.9	13.9	14.2	12.4	13.5	12.7	13.7	13.9				
6H	12.6	13.6	12.9	13.9	14.1	12.3	13.3	12.6	13.6	13.8				
8H	12.6	13.5	12.9	13.8	14.1	12.3	13.2	12.6	13.5	13.8				
12H	12.5	13.5	12.9	13.7	14.0	12.2	13.1	12.6	13.4	13.7				
4H 2H	12.5	13.5	12.7	13.7	14.0	12.3	13.4	12.6	13.6	13.8				
3H	12.8	13.7	13.1	14.0	14.3	12.6	13.5	13.0	13.8	14.1				
4H	12.9	13.7	13.2	14.0	14.3	12.6	13.5	13.0	13.8	14.1				
6H	12.9	13.6	13.2	13.9	14.3	12.6	13.3	13.0	13.7	14.0				
8H	12.8	13.5	13.2	13.9	14.2	12.5	13.2	12.9	13.6	14.0				
12H	12.8	13.4	13.2	13.8	14.2	12.5	13.1	12.9	13.5	13.9				
8H 4H	12.8	13.5	13.2	13.8	14.2	12.6	13.3	13.0	13.6	14.0				
6H	12.8	13.4	13.2	13.8	14.2	12.5	13.1	13.0	13.5	13.9				
8H	12.8	13.3	13.2	13.7	14.1	12.5	13.0	12.9	13.4	13.8				
12H	12.8	13.2	13.2	13.6	14.1	12.4	12.9	12.9	13.3	13.8				
12H 4H	12.7	13.4	13.2	13.7	14.1	12.5	13.2	13.0	13.5	13.9				
6H	12.8	13.2	13.2	13.7	14.1	12.5	13.0	12.9	13.4	13.8				
8H	12.7	13.2	13.2	13.6	14.1	12.5	12.9	12.9	13.3	13.8				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.8 / - 1.2					+ 0.8 / - 1.0								
1.5H	+ 0.4 / - 0.5					+ 0.4 / - 0.6								
2.0H	+ 1.7 / - 2.2					+ 1.6 / - 2.1								

CIE Pub.117, 1000 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.0)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-12-10

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-i300_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 3.161m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

NAME: GU10HA-6W-6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

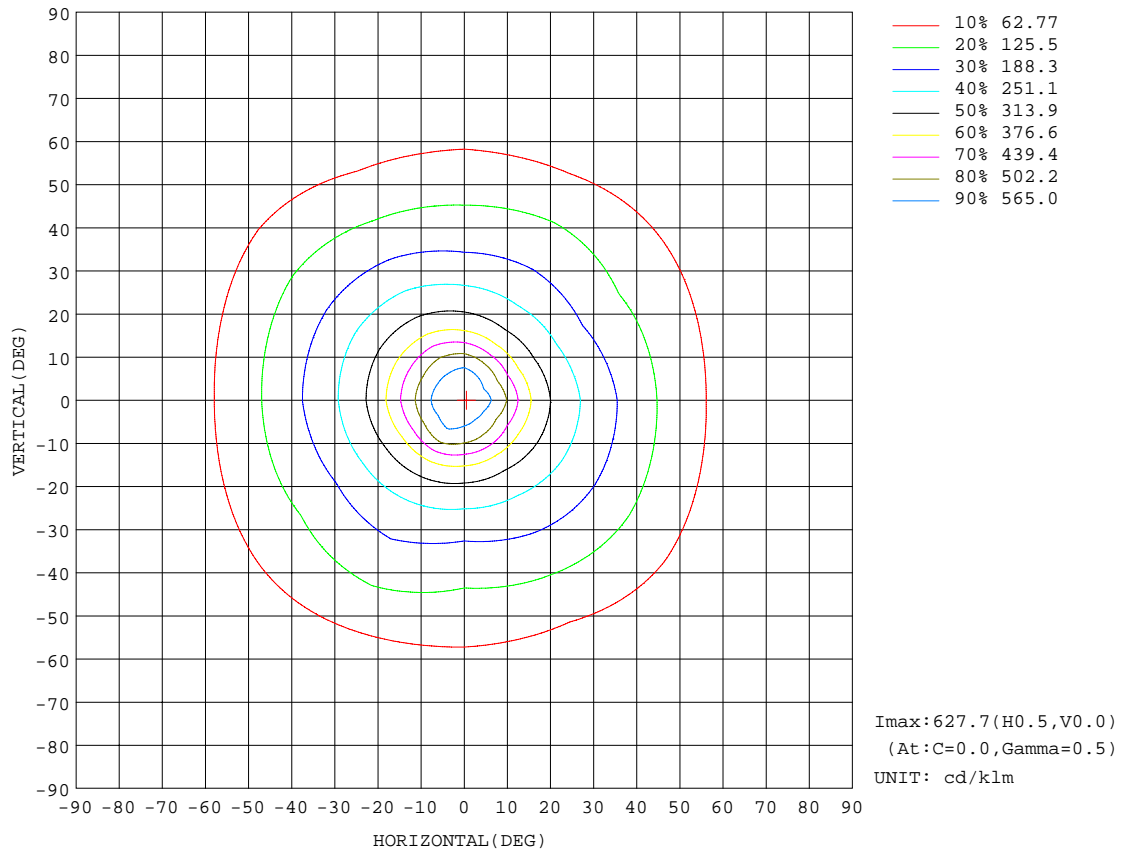
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	43	37	34	43	37	34	42	37	34	30
0.80	49	43	40	48	43	40	47	43	39	36
1.00	53	48	45	53	48	45	52	48	44	41
1.25	57	52	49	56	52	49	55	51	48	45
1.50	60	55	52	59	55	52	57	54	51	47
2.00	63	59	56	62	58	56	60	57	55	51
2.50	64	61	58	63	60	58	61	59	57	52
3.00	66	63	60	65	62	60	62	60	58	54
4.00	68	65	63	66	64	62	64	62	61	56
5.00	69	66	65	67	65	64	65	63	62	57
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-12-10

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-i300_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 3.161m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: GU10HA-6W-6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

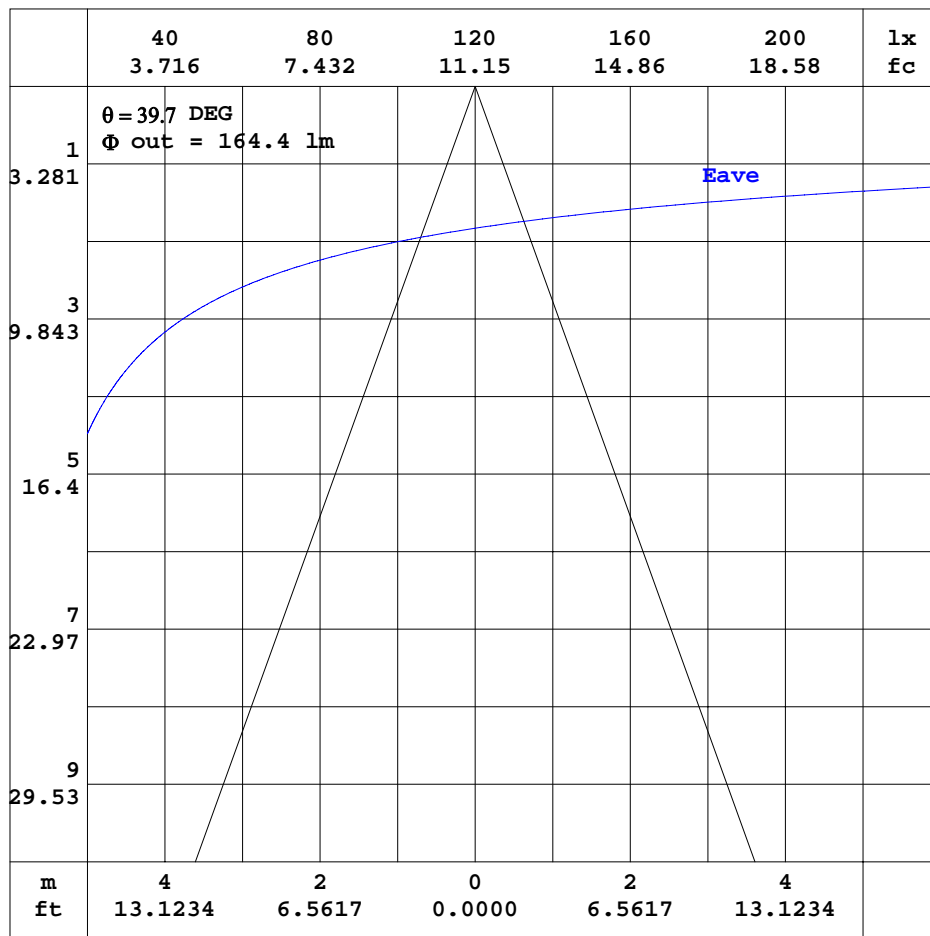


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-12-10

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-i300_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 3.161m [K=1.0000]
 Remarks:

AAI CURVES

NAME: GU10HA-6W-6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



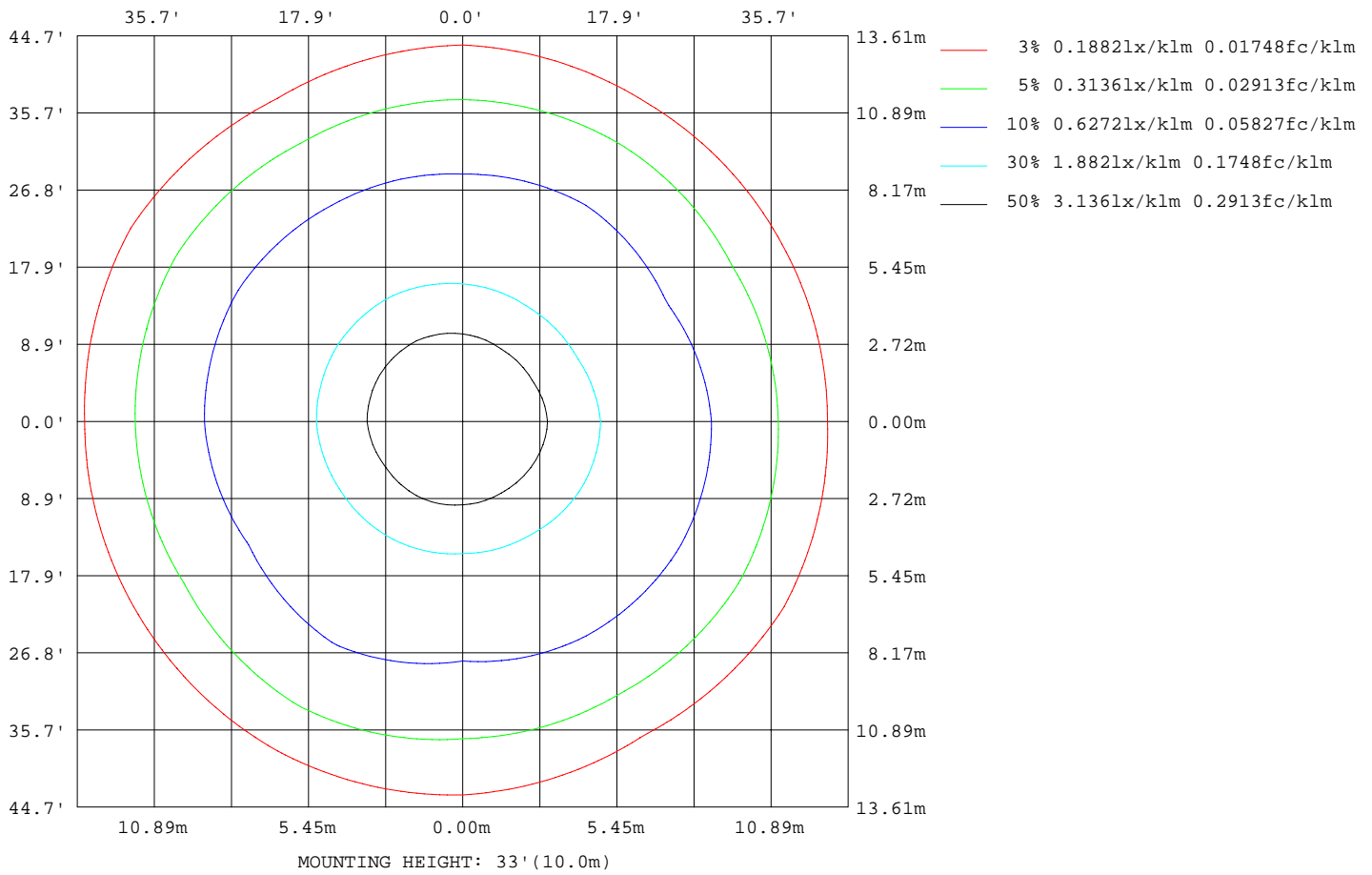
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-12-10

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-i300_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 3.161m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: GU10HA-6W-6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-12-10

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-i300_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 3.161m [K=1.0000]
 Remarks:

LED Avg.L Report

NAME: GU10HA-6W-6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

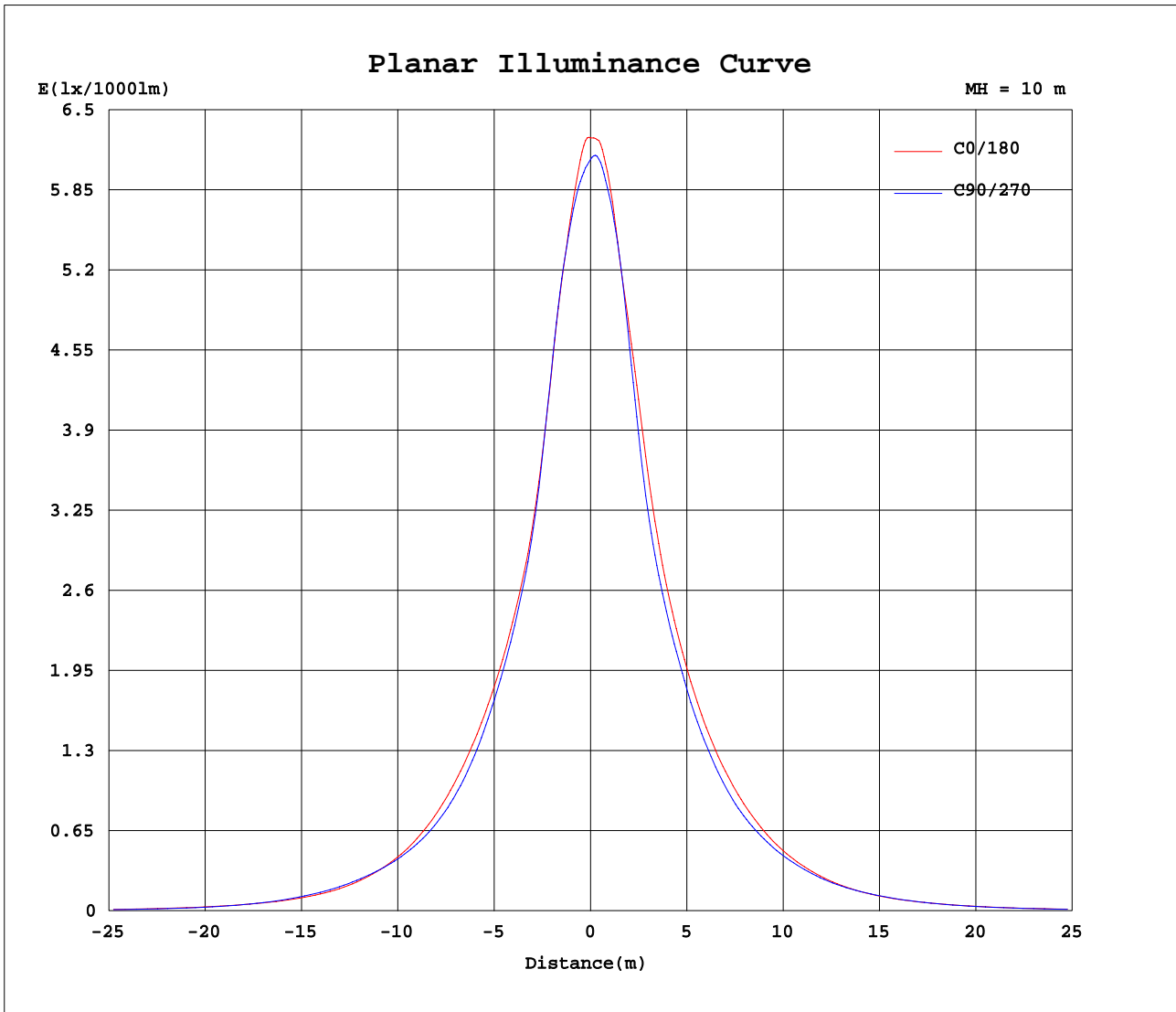
AvgL	cd/m2
L_0~180(65)av	773
L_0~180(75)av	390
L_0~180(85)av	193
L_90~270(65)av	723
L_90~270(75)av	284
L_90~270(85)av	21
L_45(65)av	713
L_45(75)av	324
L_45(85)av	41

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-12-10

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-i300_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:3.161m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-12-10

γ Range: 0 - 90DEG
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 Test System: EVERFINE GO-i300_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 3.161m [K=1.0000]
 Remarks:

