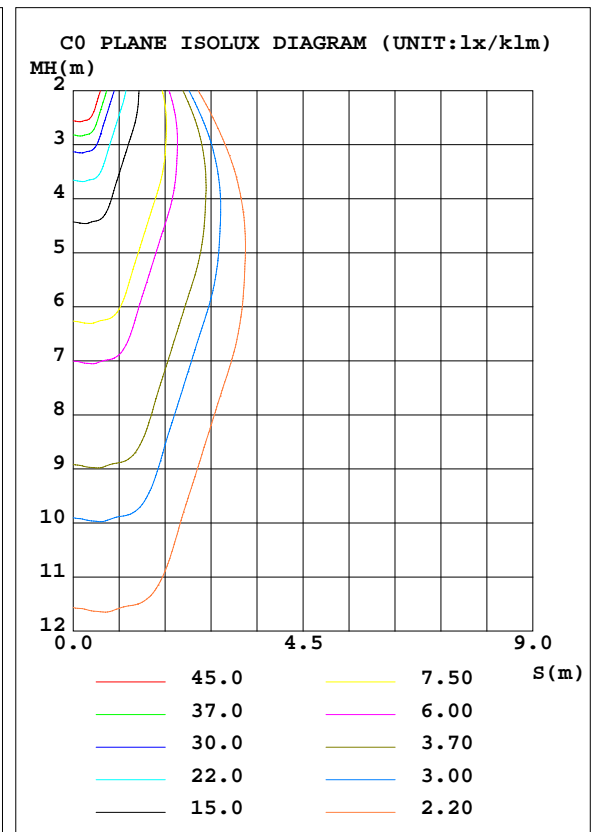
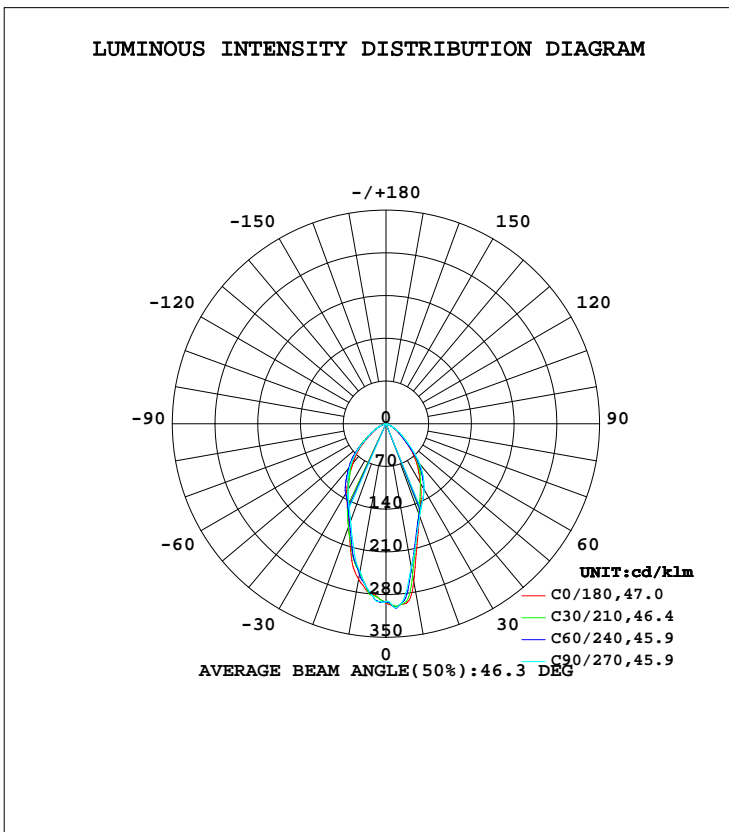


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: MINI-3W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		I _{max} (cd/klm)	302.7	S/MH(C0/180)	0.74
NOMINAL POWER(W)	3	LOR(%)	30.5	S/MH(C90/270)	0.70
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm/klm)	305.47	η UP, DN(C0-180)	0.0,14.8
NOMINAL FLUX(lm)	1000	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,15.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230.0	η down(%)	30.5	CIBSE SHR MAX	0.85



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:

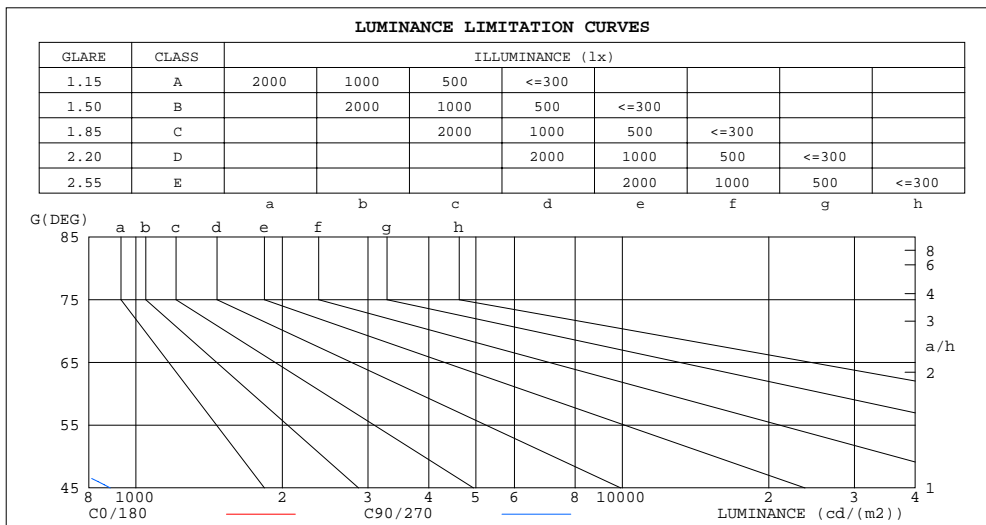
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	262.7	246.1	239.1	258.1	258.3	249.5	245.8	251.8	0- 10	26.32	26.32	8.61,2.63
20	160.7	157.8	161.7	169.8	179.4	177.6	169.6	164.2	10- 20	57.11	83.43	27.3,8.34
30	112.8	118.3	124.6	119.9	128.8	128.2	125.1	116.3	20- 30	65.52	148.9	48.8,14.9
40	74.21	80.72	86.16	84.48	84.42	92.25	91.53	78.23	30- 40	64.01	213.0	69.7,21.3
50	36.88	38.81	42.33	46.41	47.51	53.30	51.19	41.19	40- 50	49.05	262.0	85.8,26.2
60	16.25	17.46	19.28	20.85	20.24	23.45	23.00	18.68	50- 60	27.59	289.6	94.8,29
70	6.328	5.313	5.065	6.850	8.004	7.930	6.481	6.162	60- 70	12.18	301.8	98.8,30.2
80	1.781	0.5994	0.4298	0.8915	2.539	1.058	0.6546	0.8028	70- 80	3.373	305.2	99.9,30.5
90	0.0036	0.0022	0.0015	0.0029	0.0985	0.0106	0.0139	0.0033	80- 90	0.3200	305.5	100,30.5
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: MINI-3W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	56	6
80	103	25
75	143	58
70	185	148
65	242	243
60	325	386
55	433	509
50	574	659
45	770	886

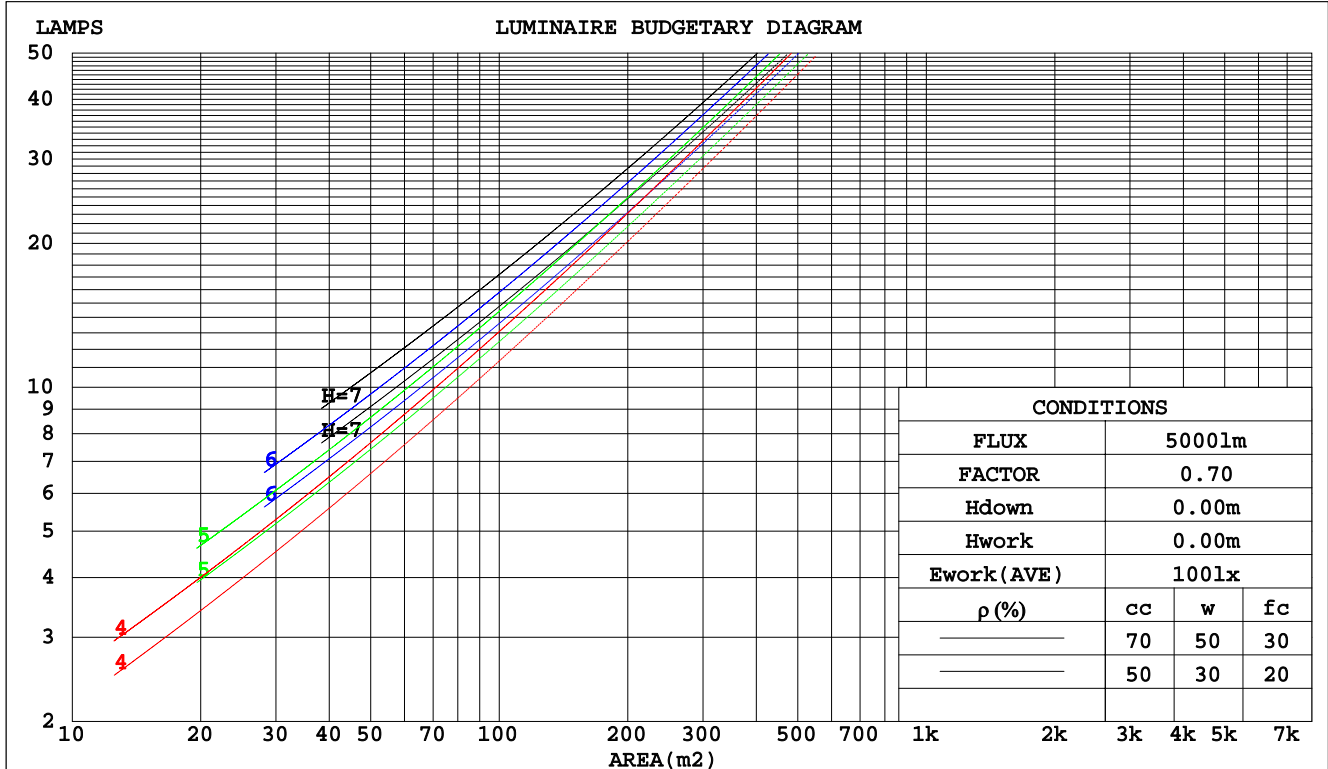
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-12-10

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: MINI-3W-3000K	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	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	.36	.36	.36	.36	.36	.36	.34	.34	.34	.32	.32	.32	.31	.31	.31	.31
1.0	.33	.32	.31	.33	.32	.31	.31	.31	.30	.30	.30	.29	.29	.29	.28	.28
2.0	.30	.29	.27	.30	.28	.27	.29	.27	.26	.28	.27	.26	.27	.26	.25	.25
3.0	.27	.26	.24	.27	.25	.24	.26	.25	.23	.25	.24	.23	.25	.24	.23	.22
4.0	.25	.23	.21	.25	.23	.21	.24	.22	.21	.23	.22	.21	.23	.22	.21	.20
5.0	.23	.21	.19	.23	.21	.19	.22	.20	.19	.22	.20	.19	.21	.20	.19	.18
6.0	.21	.19	.17	.21	.19	.17	.20	.19	.17	.20	.18	.17	.20	.18	.17	.16
7.0	.20	.17	.16	.19	.17	.16	.19	.17	.16	.19	.17	.16	.18	.17	.16	.15
8.0	.18	.16	.15	.18	.16	.15	.18	.16	.15	.17	.16	.14	.17	.16	.14	.14
9.0	.17	.15	.14	.17	.15	.14	.17	.15	.13	.16	.15	.13	.16	.14	.13	.13
10.0	.16	.14	.13	.16	.14	.13	.16	.14	.13	.15	.14	.12	.15	.14	.12	.12



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: MINI-3W-3000K	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	.067	.038	.012	.064	.037	.012	.061	.035	.011	.057	.033	.011	.054	.031	.010	
2.0	.065	.036	.011	.063	.035	.011	.060	.033	.010	.057	.032	.010	.054	.030	.010	
3.0	.062	.033	.010	.060	.032	.010	.057	.031	.009	.055	.030	.009	.052	.029	.009	
4.0	.059	.030	.009	.057	.030	.009	.055	.029	.009	.052	.028	.008	.050	.027	.008	
5.0	.055	.028	.008	.054	.028	.008	.052	.027	.008	.050	.026	.008	.048	.026	.008	
6.0	.052	.026	.008	.051	.026	.007	.049	.025	.007	.047	.025	.007	.046	.024	.007	
7.0	.050	.024	.007	.049	.024	.007	.047	.024	.007	.045	.023	.007	.044	.023	.007	
8.0	.047	.023	.006	.046	.023	.006	.045	.022	.006	.043	.022	.006	.042	.021	.006	
9.0	.045	.022	.006	.044	.021	.006	.042	.021	.006	.041	.021	.006	.040	.020	.006	
10.0	.042	.020	.006	.042	.020	.006	.040	.020	.006	.039	.019	.006	.038	.019	.005	

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	.058	.058	.058	.050	.050	.050	.034	.034	.034	.019	.019	.019	.006	.006	.006	
1.0	.053	.048	.043	.045	.041	.037	.031	.028	.026	.018	.016	.015	.006	.005	.005	
2.0	.049	.040	.033	.042	.035	.028	.029	.024	.020	.017	.014	.012	.005	.005	.004	
3.0	.046	.035	.026	.040	.030	.022	.027	.021	.016	.016	.012	.009	.005	.004	.003	
4.0	.044	.030	.020	.037	.026	.018	.026	.018	.012	.015	.011	.007	.005	.003	.002	
5.0	.041	.027	.017	.035	.023	.014	.024	.016	.010	.014	.010	.006	.005	.003	.002	
6.0	.039	.024	.014	.034	.021	.012	.023	.015	.009	.013	.009	.005	.004	.003	.002	
7.0	.037	.022	.012	.032	.019	.010	.022	.013	.007	.013	.008	.004	.004	.003	.001	
8.0	.035	.020	.010	.030	.018	.009	.021	.012	.006	.012	.007	.004	.004	.002	.001	
9.0	.034	.019	.009	.029	.016	.008	.020	.011	.005	.012	.007	.003	.004	.002	.001	
10.0	.032	.017	.008	.028	.015	.007	.019	.011	.005	.011	.006	.003	.004	.002	.001	

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: MINI-3W-3000K		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	8.7	9.9	8.9	10.1	10.2	9.0	10.2	9.3	10.4	10.6	
3H	8.9	10.0	9.2	10.2	10.4	9.1	10.2	9.4	10.4	10.6	
4H	8.9	9.9	9.2	10.2	10.4	9.0	10.1	9.3	10.3	10.5	
6H	8.9	9.8	9.2	10.1	10.4	8.9	9.9	9.2	10.2	10.4	
8H	8.8	9.8	9.2	10.0	10.3	8.9	9.8	9.2	10.1	10.4	
12H	8.8	9.7	9.1	10.0	10.3	8.8	9.7	9.2	10.0	10.3	
4H 2H	8.7	9.8	9.0	10.0	10.2	9.0	10.1	9.3	10.3	10.5	
3H	9.0	9.9	9.3	10.2	10.5	9.1	10.0	9.5	10.3	10.6	
4H	9.1	9.9	9.4	10.2	10.5	9.1	9.9	9.5	10.2	10.5	
6H	9.1	9.8	9.5	10.1	10.5	9.0	9.7	9.4	10.1	10.4	
8H	9.0	9.7	9.4	10.1	10.4	9.0	9.6	9.4	10.0	10.3	
12H	9.0	9.6	9.4	10.0	10.4	8.9	9.5	9.3	9.9	10.3	
8H 4H	9.0	9.6	9.4	10.0	10.4	9.0	9.7	9.4	10.0	10.4	
6H	9.0	9.5	9.4	9.9	10.3	8.9	9.5	9.4	9.9	10.3	
8H	9.0	9.4	9.4	9.8	10.3	8.9	9.3	9.3	9.8	10.2	
12H	8.9	9.3	9.4	9.8	10.2	8.8	9.2	9.3	9.7	10.1	
12H 4H	8.9	9.5	9.3	9.9	10.3	9.0	9.6	9.4	9.9	10.3	
6H	8.9	9.4	9.4	9.8	10.3	8.9	9.3	9.3	9.8	10.2	
8H	8.9	9.3	9.4	9.8	10.2	8.8	9.2	9.3	9.7	10.1	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.3 / - 1.8					+ 1.3 / - 1.9					
1.5H	+ 1.0 / - 1.1					+ 1.4 / - 1.5					
2.0H	+ 2.4 / - 2.2					+ 2.9 / - 3.1					

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: MINI-3W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

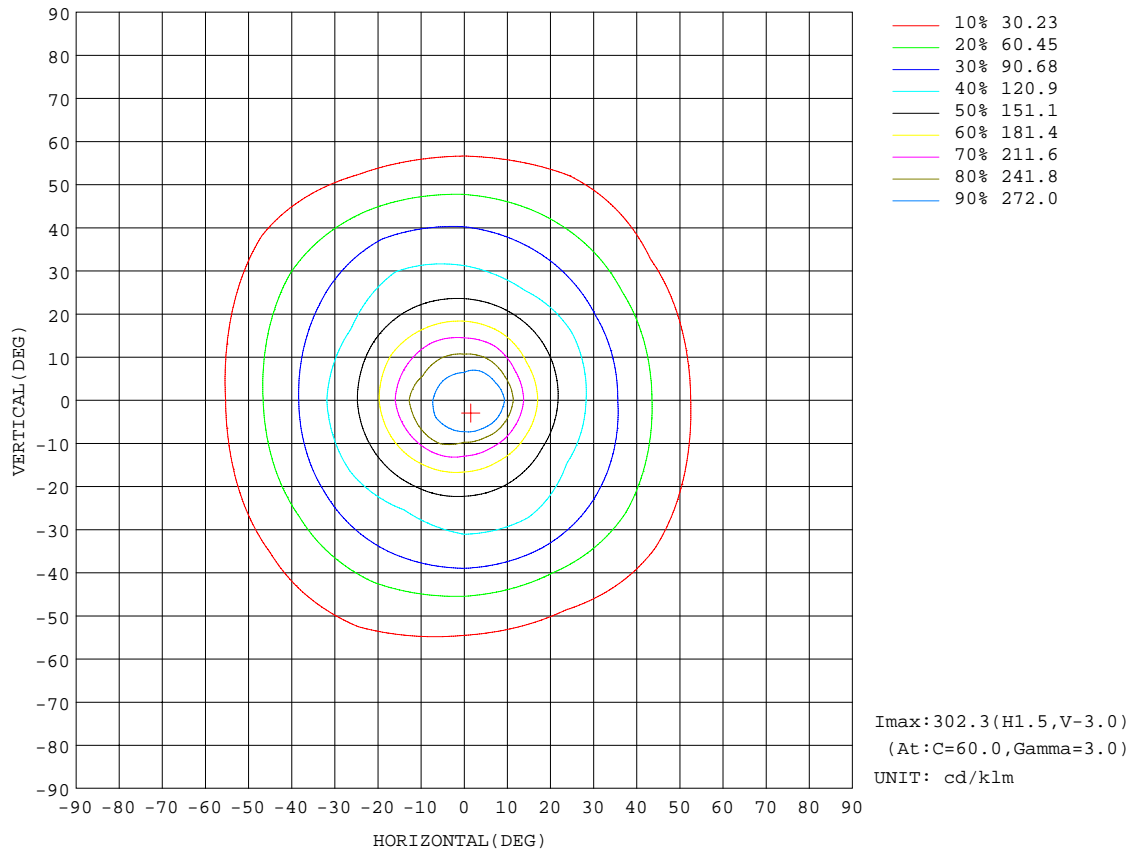
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	22	19	18	22	19	18	22	19	18	16
0.80	25	22	21	25	22	21	24	22	20	19
1.00	27	25	23	27	25	23	26	25	23	21
1.25	29	27	25	29	26	25	28	26	25	23
1.50	30	28	27	30	28	26	29	27	26	24
2.00	32	30	28	31	29	28	30	29	28	26
2.50	32	31	29	32	30	29	31	30	29	27
3.00	33	32	30	32	31	30	31	30	29	27
4.00	34	33	32	33	32	31	32	31	30	28
5.00	34	33	33	34	33	32	32	32	31	29
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: MINI-3W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

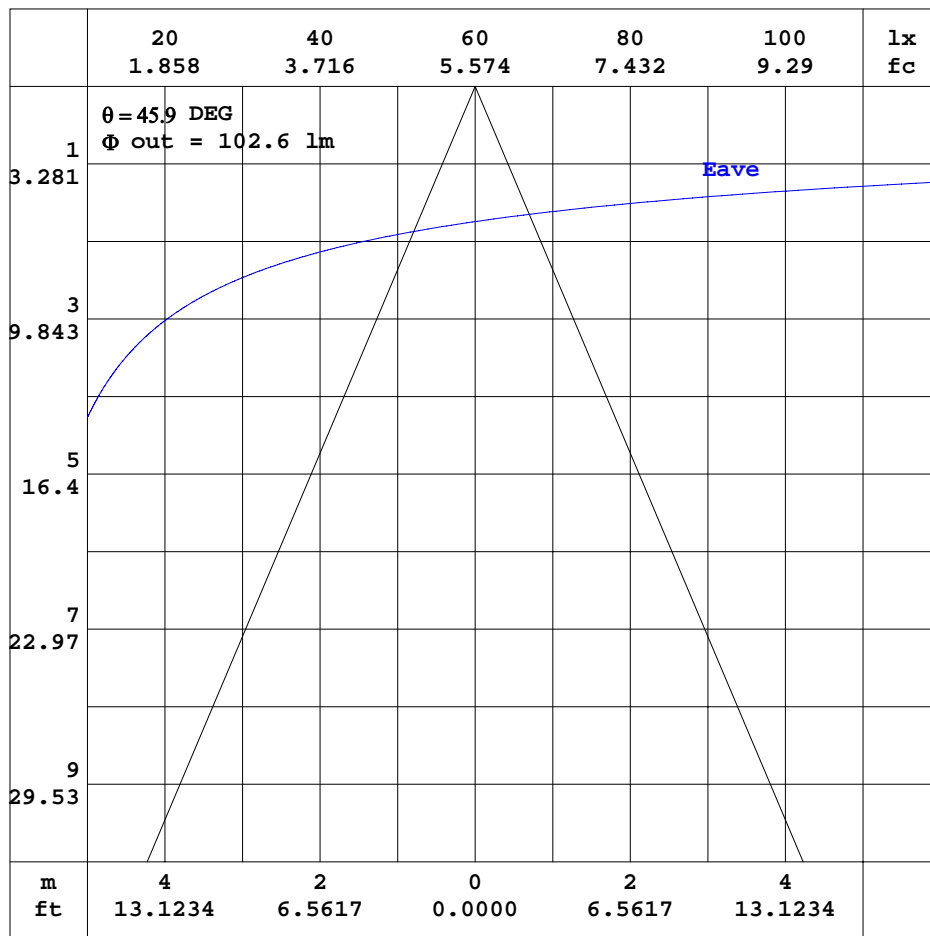


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-12-10

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: MINI-3W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



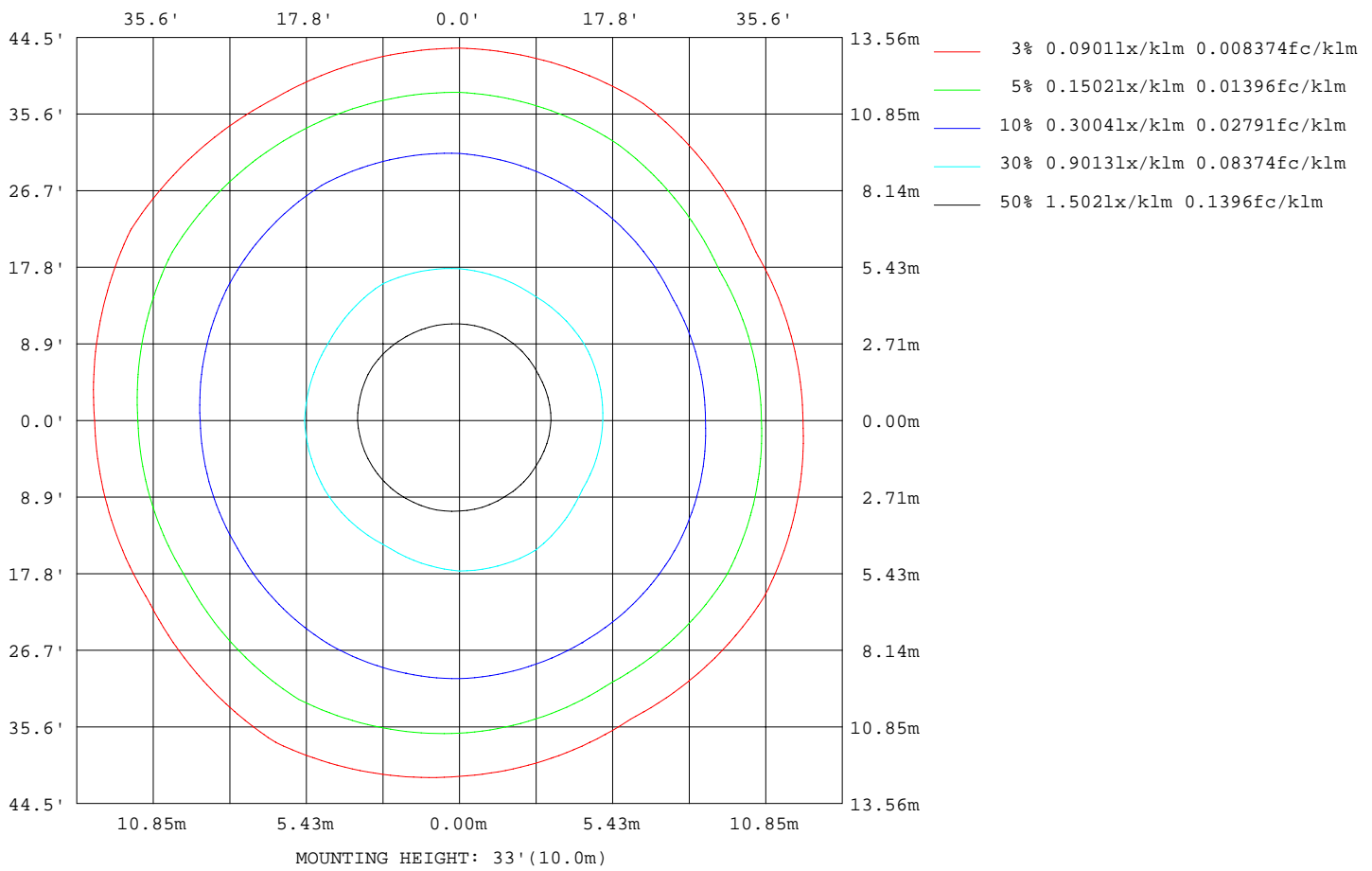
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: MINI-3W-3000K	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: MINI-3W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

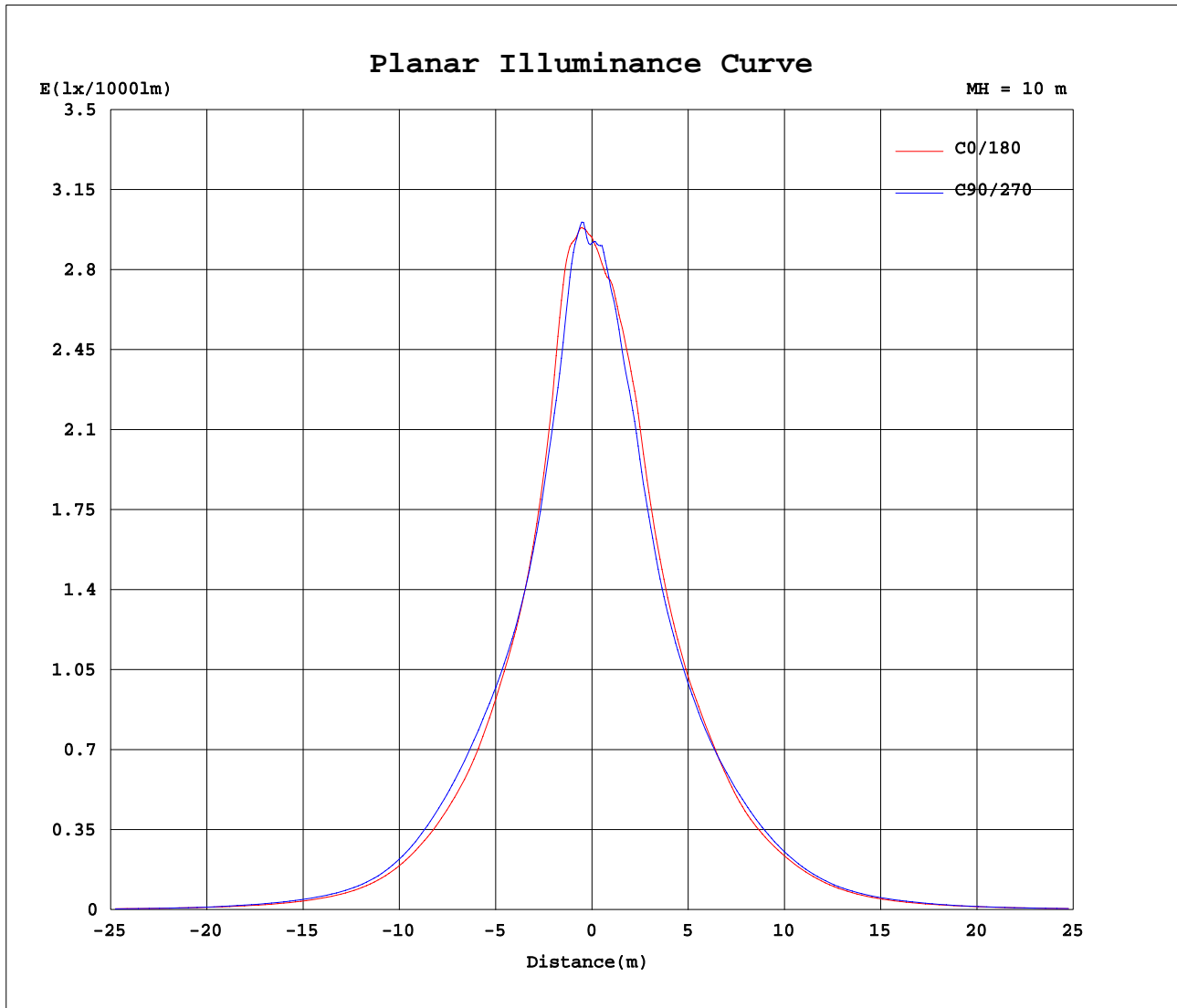
AvgL	cd/m2
L_0~180(65)av	275
L_0~180(75)av	164
L_0~180(85)av	83
L_90~270(65)av	276
L_90~270(75)av	68
L_90~270(85)av	6
L_45(65)av	284
L_45(75)av	107
L_45(85)av	3

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
 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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: MINI-3W-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd/klm

C(DEC) γ (DEC)	0	30	60	90	120	150	180	210	240	270	300	330						
0	294	293	292	292	291	291	294	293	292	292	291	291						
5	297	297	295	295	286	278	279	282	280	280	288	297						
10	263	252	241	239	255	261	258	248	251	246	251	252						
15	199	193	191	193	202	211	221	216	214	207	205	197						
20	161	157	158	162	167	173	179	181	175	170	166	162						
25	136	132	141	141	140	146	150	150	148	145	140	138						
30	113	113	124	125	116	124	129	124	132	125	116	117						
35	92.8	97.4	104	107	102	104	106	104	115	109	98.9	93.7						
40	74.2	78.7	82.8	86.2	86.0	83.0	84.4	89.3	95.2	91.5	82.4	74.1						
45	54.5	58.6	56.4	62.6	65.0	62.8	66.6	73.3	76.4	71.7	62.6	53.8						
50	36.9	40.6	37.0	42.3	48.5	44.3	47.5	54.5	52.1	51.2	46.7	35.7						
55	24.8	27.2	25.8	29.2	33.9	29.7	31.1	37.3	33.5	34.4	32.6	24.4						
60	16.2	17.7	17.3	19.3	22.0	19.7	20.2	24.5	22.4	23.0	21.1	16.2						
65	10.2	10.7	9.29	10.3	12.3	12.3	13.0	15.6	13.2	13.0	11.8	10.4						
70	6.33	6.14	4.48	5.06	6.37	7.33	8.00	9.05	6.81	6.48	5.98	6.34						
75	3.69	2.92	1.52	1.51	2.09	3.80	4.78	4.52	2.29	1.99	1.99	3.25						
80	1.78	0.75	0.45	0.43	0.59	1.19	2.54	1.31	0.80	0.65	0.64	0.97						
85	0.49	0.03	0.04	0.05	0.05	0.09	0.97	0.16	0.05	0.05	0.04	0.09						
90	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.02	0.01	0.00	0.00						

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: