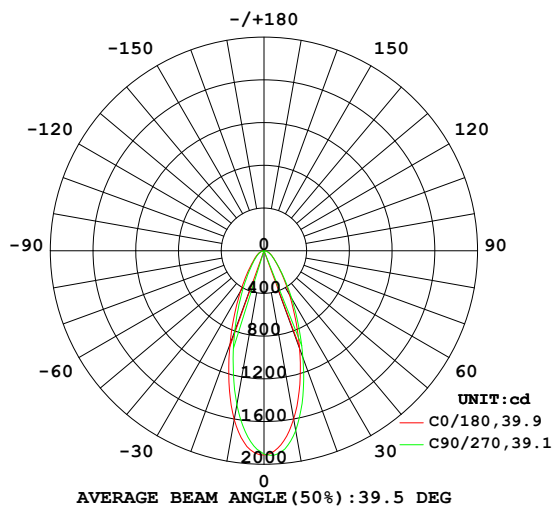


LUMINAIRE PHOTOMETRIC TEST REPORT

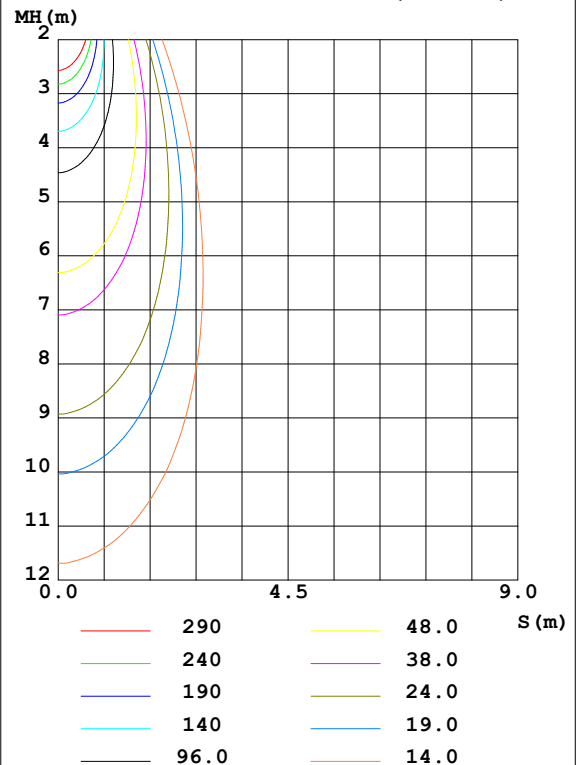
Test:U:24.001V I:1.1520A P:27.649W PF:1.0000 Freq:0Hz Lamp Flux:1322.39x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 合	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 47.83 lm/W			
MODEL		I _{max} (cd)	1916	S/MH (C0/180)	0.63
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.57
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1322.5	η UP, DN (C0-180)	0.3, 53.5
NOMINAL FLUX (lm)	1322.39	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.3, 45.9
LAMPS INSIDE	1	η up (%)	0.6	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)		η down (%)	99.4	CIBSE SHR MAX	0.70

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JZ
Test Date: 2023-08-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity: 65.0%
Test Distance: 8.700m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

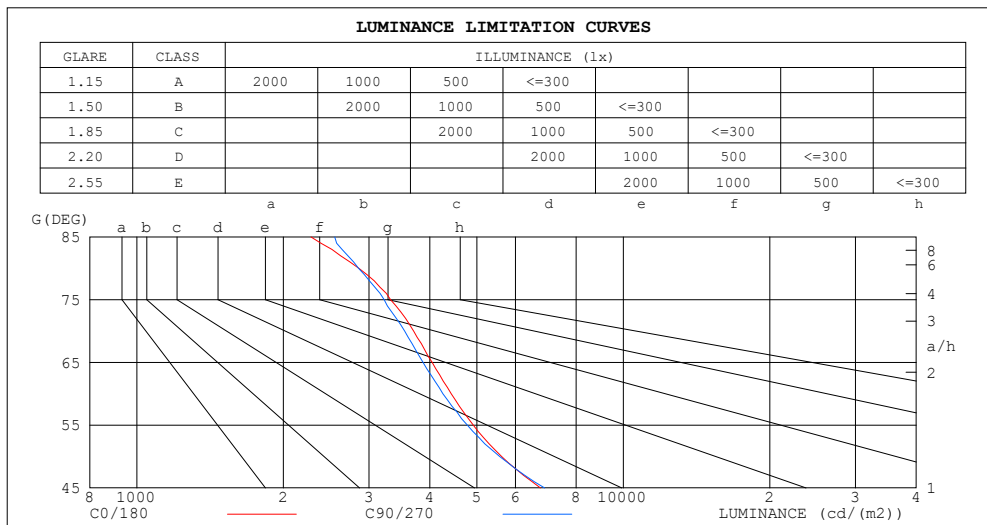
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	1601	1710	1606	1465					0- 10	166.8	166.8	12.6,12.6
20	976.0	1066	932.0	801.8					10- 20	350.6	517.4	39.1,39.1
30	480.4	522.2	441.1	376.3					20- 30	306.2	823.6	62.3,62.3
40	230.7	241.8	206.7	179.9					30- 40	196.8	1020	77.2,77.2
50	126.5	125.4	114.0	101.1					40- 50	121.8	1142	86.4,86.4
60	77.53	74.53	70.25	61.86					50- 60	81.99	1224	92.6,92.6
70	44.36	42.52	39.66	33.74					60- 70	54.31	1279	96.7,96.7
80	17.38	17.36	14.45	11.10					70- 80	28.54	1307	98.8,98.8
90	1.190	1.731	1.614	0.6282					80- 90	7.214	1314	99.4,99.4
100	0.9237	0.6402	0.9236	0.4803					90-100	0.9524	1315	99.4,99.5
110	0.7153	0.5970	0.4311	0.4241					100-110	0.6461	1316	99.5,99.5
120	0.6893	0.6136	0.6778	0.4555					110-120	0.5623	1316	99.5,99.5
130	0.8986	0.7890	1.146	0.8125					120-130	0.6595	1317	99.6,99.6
140	1.502	1.331	1.935	1.563					130-140	0.9433	1318	99.7,99.7
150	2.475	2.292	3.019	2.721					140-150	1.299	1319	99.8,99.8
160	3.608	3.585	4.139	3.965					150-160	1.479	1321	99.9,99.9
170	4.630	4.705	5.013	4.877					160-170	1.216	1322	100,100
180	5.234	5.259	5.271	5.259					170-180	0.4787	1322	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.001V I:1.1520A P:27.649W PF:1.0000 Freq:0Hz Lamp Flux:1322.39x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 合	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2280	2551
80	2860	2856
75	3324	3224
70	3705	3552
65	4048	3875
60	4430	4259
55	4916	4781
50	5624	5573
45	6752	6890

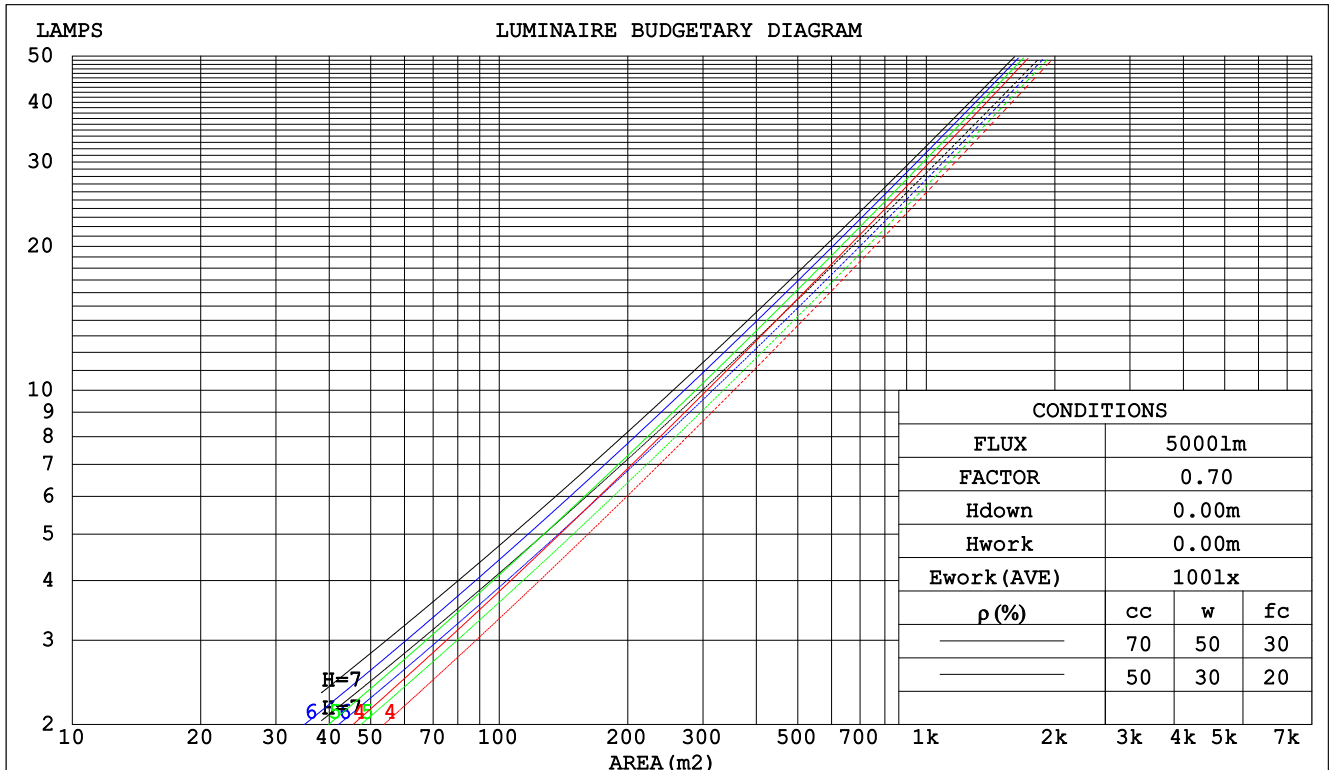
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.001V I:1.1520A P:27.649W PF:1.0000 Freq:0Hz Lamp Flux:1322.39x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 合	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	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															



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:24.001V I:1.1520A P:27.649W PF:1.0000 Freq:0Hz Lamp Flux:1322.39x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 合	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	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	.211	.120	.038	.204	.116	.037	.191	.110	.035	.179	.103	.033	.168	.097	.031	
2.0	.200	.110	.034	.194	.107	.033	.183	.102	.032	.173	.097	.030	.163	.092	.029	
3.0	.188	.100	.030	.183	.098	.029	.173	.094	.029	.164	.090	.028	.156	.086	.027	
4.0	.176	.092	.027	.172	.090	.027	.164	.087	.026	.156	.084	.025	.148	.081	.025	
5.0	.166	.084	.024	.162	.083	.024	.154	.080	.024	.148	.078	.023	.141	.075	.023	
6.0	.156	.078	.022	.153	.077	.022	.146	.075	.022	.140	.073	.021	.134	.071	.021	
7.0	.147	.073	.021	.144	.072	.020	.139	.070	.020	.133	.068	.020	.128	.067	.020	
8.0	.140	.068	.019	.137	.067	.019	.132	.066	.019	.127	.064	.019	.122	.063	.018	
9.0	.132	.064	.018	.130	.063	.018	.125	.062	.018	.121	.061	.017	.117	.059	.017	
10.0	.126	.060	.017	.124	.060	.017	.120	.059	.017	.116	.057	.016	.112	.056	.016	

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	.195	.195	.195	.167	.167	.167	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.178	.162	.147	.153	.139	.126	.104	.096	.087	.060	.055	.051	.019	.018	.016	
2.0	.165	.137	.114	.141	.118	.098	.097	.082	.069	.056	.048	.040	.018	.015	.013	
3.0	.154	.119	.091	.132	.102	.079	.090	.071	.055	.052	.042	.033	.017	.013	.011	
4.0	.144	.104	.074	.123	.090	.064	.085	.063	.045	.049	.037	.027	.016	.012	.009	
5.0	.135	.093	.062	.116	.080	.054	.080	.056	.038	.046	.033	.022	.015	.011	.007	
6.0	.128	.084	.052	.110	.073	.046	.076	.051	.032	.044	.030	.019	.014	.010	.006	
7.0	.121	.076	.045	.104	.066	.039	.072	.046	.028	.042	.027	.017	.013	.009	.005	
8.0	.115	.070	.040	.099	.061	.034	.068	.043	.024	.040	.025	.015	.013	.008	.005	
9.0	.109	.065	.035	.094	.056	.031	.065	.040	.022	.038	.023	.013	.012	.008	.004	
10.0	.104	.061	.031	.090	.053	.027	.062	.037	.019	.036	.022	.012	.012	.007	.004	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.001V I:1.1520A P:27.649W PF:1.0000 Freq:0Hz Lamp Flux:1322.39x1 lm											
NAME: FG3D34-DGB3K-25W-白-40度 合						TYPE:			WEIGHT:		
SPEC.:						DIM.:			SERIAL No.:		
MFR.:						SUR.: 0.035*1			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		15.2	16.3	15.4	16.4	16.6	15.2	16.3	15.4	16.4	16.6
3H		16.1	17.1	16.4	17.3	17.6	16.1	17.1	16.4	17.3	17.5
4H		16.5	17.5	16.8	17.7	17.9	16.4	17.4	16.7	17.6	17.9
6H		16.8	17.7	17.1	17.9	18.2	16.7	17.6	17.0	17.8	18.1
8H		16.9	17.7	17.2	18.0	18.3	16.8	17.6	17.1	17.9	18.2
12H		16.9	17.7	17.2	18.0	18.3	16.8	17.7	17.2	17.9	18.2
4H 2H		15.5	16.5	15.8	16.7	17.0	15.5	16.5	15.8	16.7	17.0
3H		16.7	17.5	17.0	17.8	18.1	16.6	17.4	17.0	17.7	18.0
4H		17.2	17.9	17.6	18.2	18.6	17.1	17.8	17.5	18.2	18.5
6H		17.6	18.2	18.0	18.6	18.9	17.5	18.1	17.9	18.5	18.9
8H		17.7	18.3	18.1	18.7	19.0	17.6	18.2	18.0	18.6	19.0
12H		17.7	18.3	18.2	18.7	19.1	17.7	18.3	18.1	18.6	19.0
8H 4H		17.3	18.0	17.8	18.3	18.7	17.3	17.9	17.7	18.2	18.6
6H		17.8	18.3	18.3	18.7	19.2	17.8	18.3	18.2	18.7	19.1
8H		18.0	18.5	18.5	18.9	19.3	18.0	18.4	18.4	18.8	19.3
12H		18.1	18.5	18.6	19.0	19.4	18.1	18.5	18.6	18.9	19.4
12H 4H		17.3	17.9	17.8	18.3	18.7	17.3	17.8	17.7	18.2	18.6
6H		17.9	18.3	18.3	18.7	19.2	17.8	18.2	18.3	18.7	19.1
8H		18.1	18.4	18.5	18.9	19.4	18.0	18.4	18.5	18.8	19.3
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.4 / - 0.5					+ 0.4 / - 0.6				
1.5H		+ 0.5 / - 0.4					+ 0.6 / - 0.4				
2.0H		+ 0.7 / - 0.4					+ 0.7 / - 0.5				

CIE Pub.117, 1322 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.0)
Area: 0.035 m2

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.001V I:1.1520A P:27.649W PF:1.0000 Freq:0Hz Lamp Flux:1322.39x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 合	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:

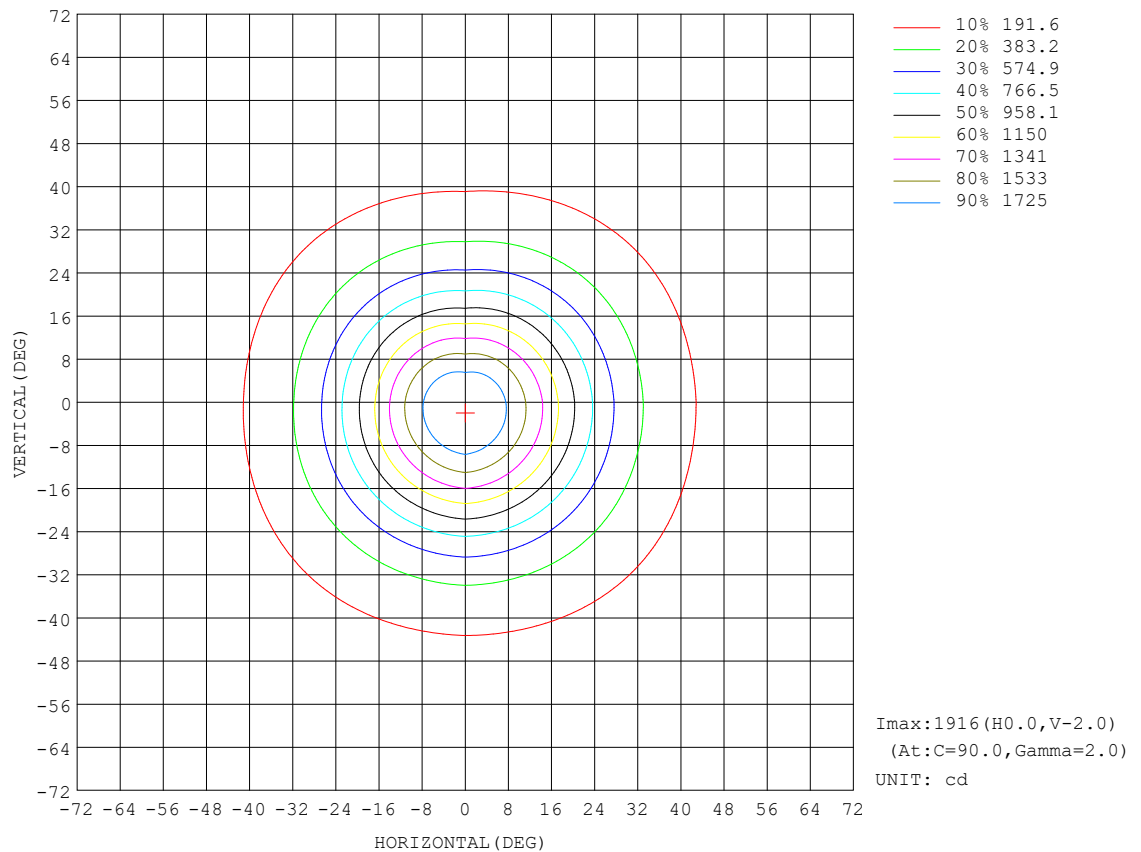
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	77	69	64	77	69	64	76	69	64	60
0.80	86	78	73	85	78	73	84	77	73	68
1.00	92	84	79	91	84	79	89	84	79	74
1.25	97	90	85	95	89	85	93	88	84	79
1.50	100	94	89	99	93	89	96	91	88	82
2.00	104	99	94	103	97	94	99	95	92	86
2.50	107	101	97	105	100	97	101	98	95	88
3.00	109	104	101	107	103	99	103	100	97	90
4.00	111	108	105	109	106	103	105	103	100	93
5.00	113	110	107	111	108	106	106	104	102	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.001V I:1.1520A P:27.649W PF:1.0000 Freq:0Hz Lamp Flux:1322.39x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 合	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:

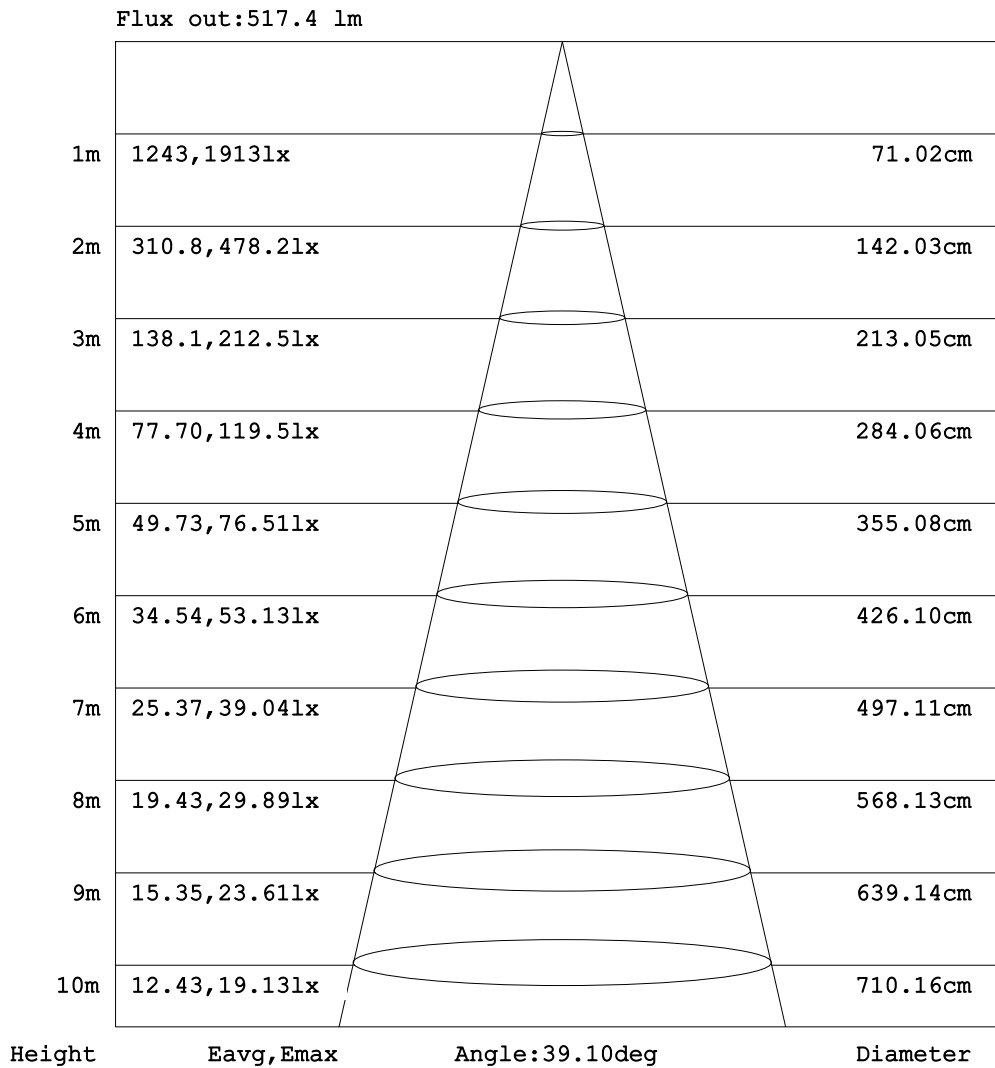


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.001V I:1.1520A P:27.649W PF:1.0000 Freq:0Hz Lamp Flux:1322.39x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 合	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:



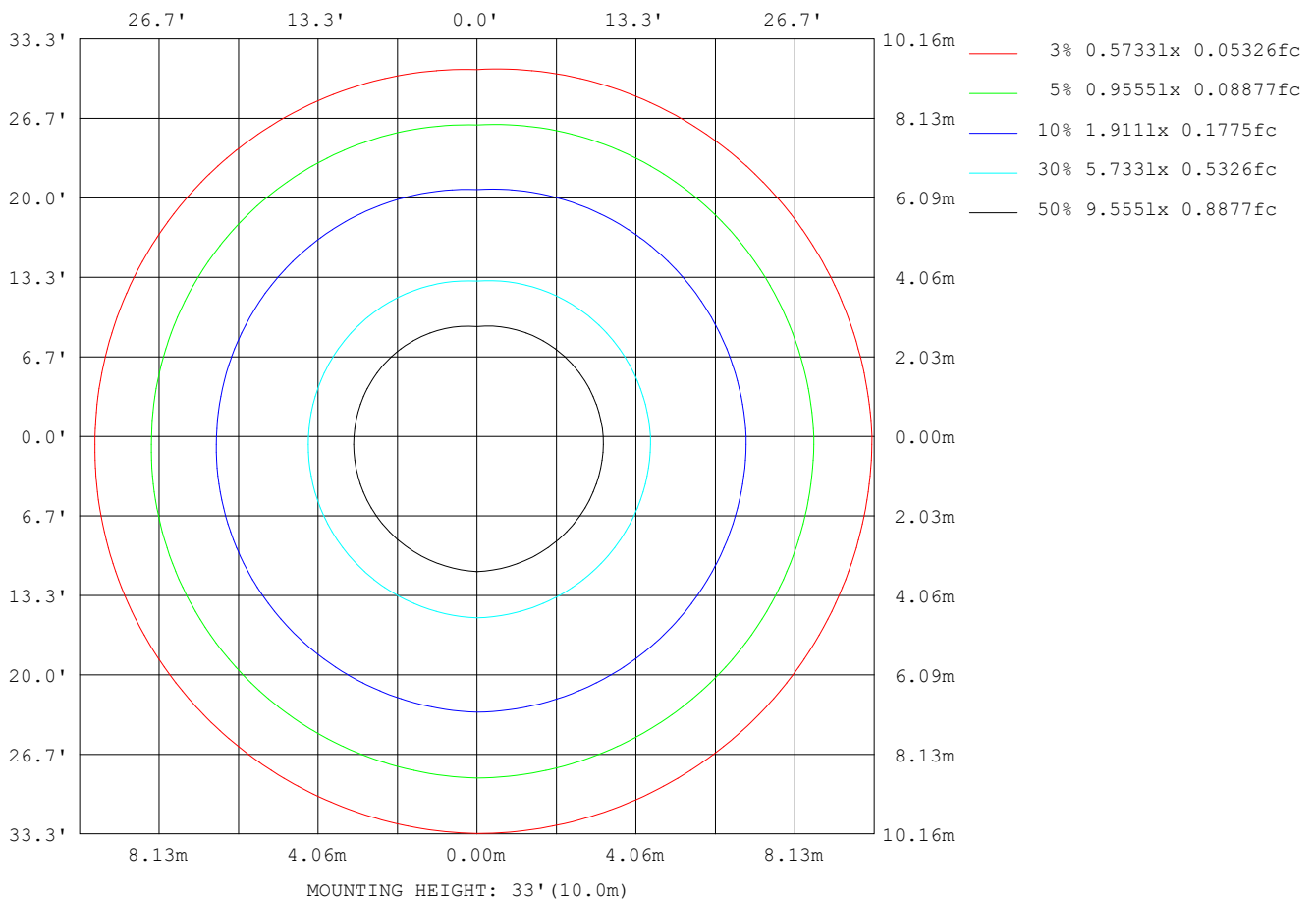
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:24.001V I:1.1520A P:27.649W PF:1.0000 Freq:0Hz Lamp Flux:1322.39x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 合	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.001V I:1.1520A P:27.649W PF:1.0000 Freq:0Hz Lamp Flux:1322.39x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 合	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:

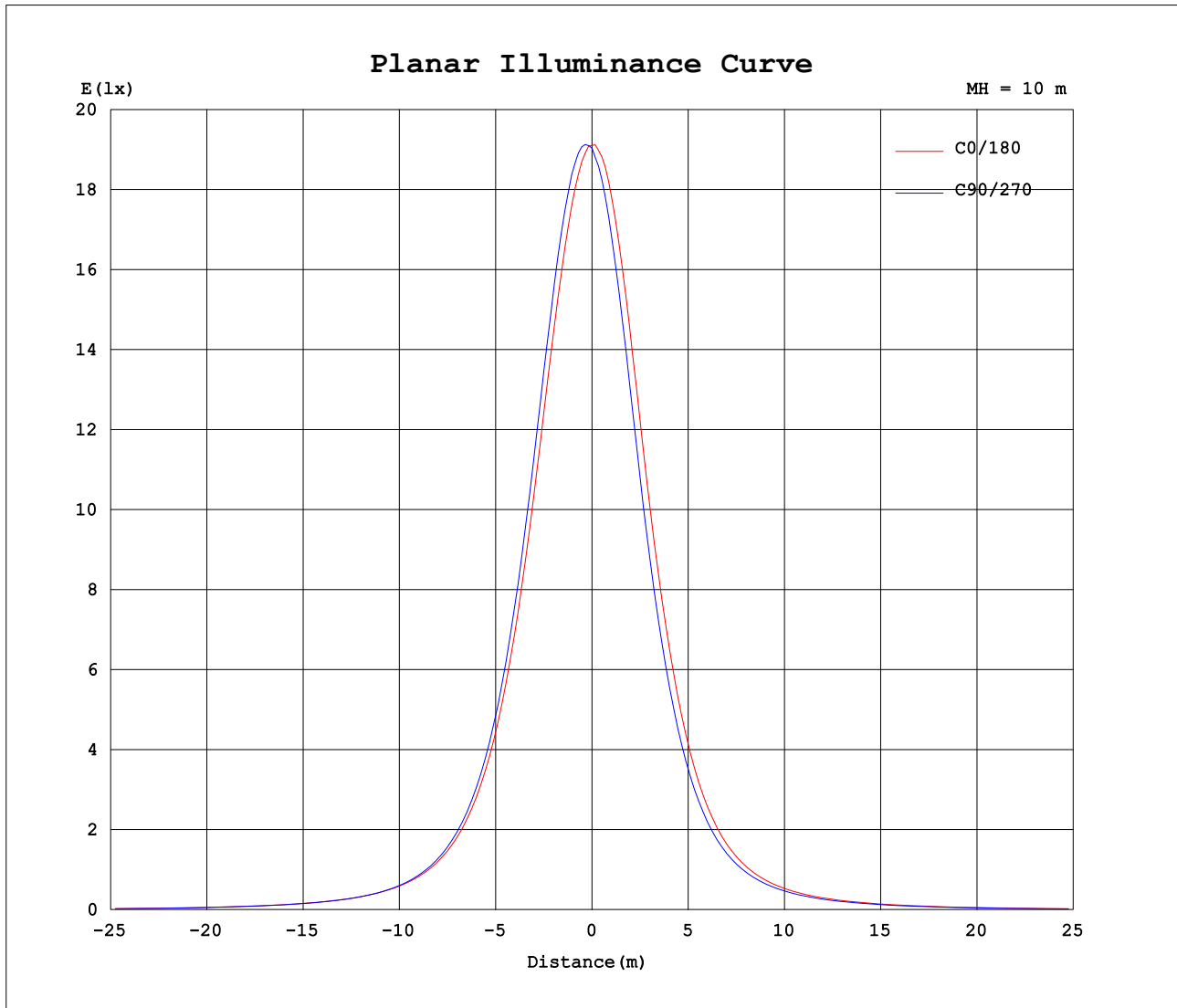
AvgL	cd/m2
L_0~180 (65) av	3855
L_0~180 (75) av	3118
L_0~180 (85) av	1983
L_90~270 (65) av	3526
L_90~270 (75) av	2806
L_90~270 (85) av	1850
L_45 (65) av	3637
L_45 (75) av	2910
L_45 (85) av	1882

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JZ
 Test Date: 2023-08-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.001V I:1.1520A P:27.649W PF:1.0000 Freq:0Hz Lamp Flux:1322.39x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 合	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	1911	1904	1911	1904															
5	1824	1888	1839	1750															
10	1601	1710	1606	1465															
15	1297	1409	1272	1116															
20	976	1066	932	802															
25	694	761	651	554															
30	480	522	441	376															
35	330	354	298	255															
40	231	242	207	180															
45	167	171	150	132															
50	127	125	114	101															
55	98.7	96.0	89.3	79.4															
60	77.5	74.5	70.2	61.9															
65	59.9	57.3	54.2	47.0															
70	44.4	42.5	39.7	33.7															
75	30.1	29.2	26.4	21.6															
80	17.4	17.4	14.4	11.1															
85	6.96	7.78	5.14	3.51															
90	1.19	1.73	1.61	0.63															
95	0.96	0.74	1.08	0.52															
100	0.92	0.64	0.92	0.48															
105	0.85	0.60	0.36	0.45															
110	0.72	0.60	0.43	0.42															
115	0.69	0.59	0.54	0.44															
120	0.69	0.61	0.68	0.46															
125	0.74	0.68	0.87	0.59															
130	0.90	0.79	1.15	0.81															
135	1.17	1.01	1.50	1.18															
140	1.50	1.33	1.93	1.56															
145	1.96	1.76	2.46	2.13															
150	2.47	2.29	3.02	2.72															
155	3.05	2.92	3.61	3.37															
160	3.61	3.59	4.14	3.97															
165	4.14	4.18	4.59	4.47															
170	4.63	4.71	5.01	4.88															
175	5.01	5.08	5.26	5.15															
180	5.23	5.26	5.27	5.26															

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks: