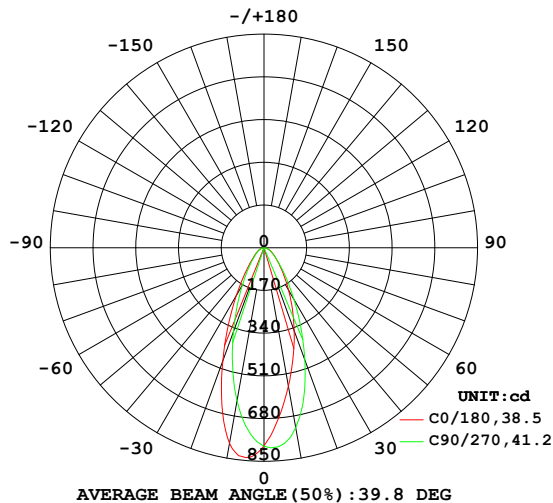


LUMINAIRE PHOTOMETRIC TEST REPORT

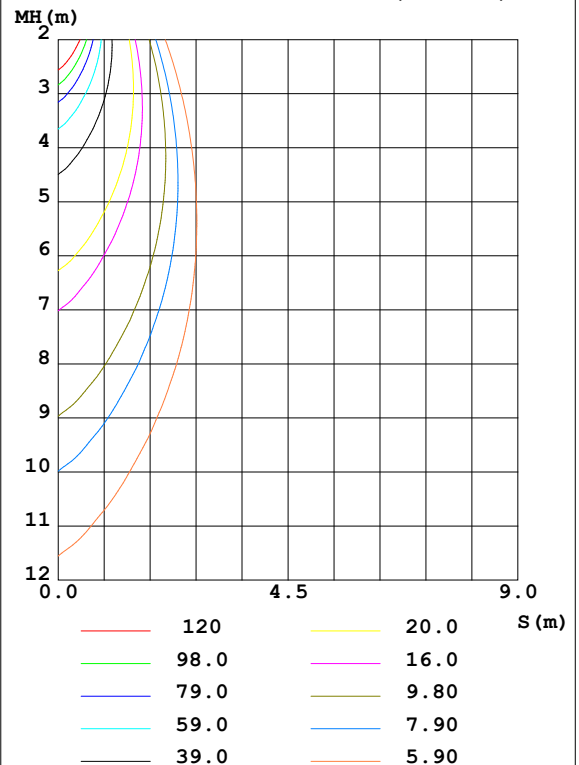
Test:U:24.001V I:0.3447A P:8.2731W PF:1.0000 Freq:0Hz Lamp Flux:586.251x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 70.88 lm/W			
MODEL		I _{max} (cd)	838.3	S/MH (C0/180)	0.73
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.59
RATED VOLTAGE (V)		TOTAL FLUX (lm)	586.37	η UP, DN (C0-180)	0.3, 51.0
NOMINAL FLUX (lm)	586.251	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.3, 48.4
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:

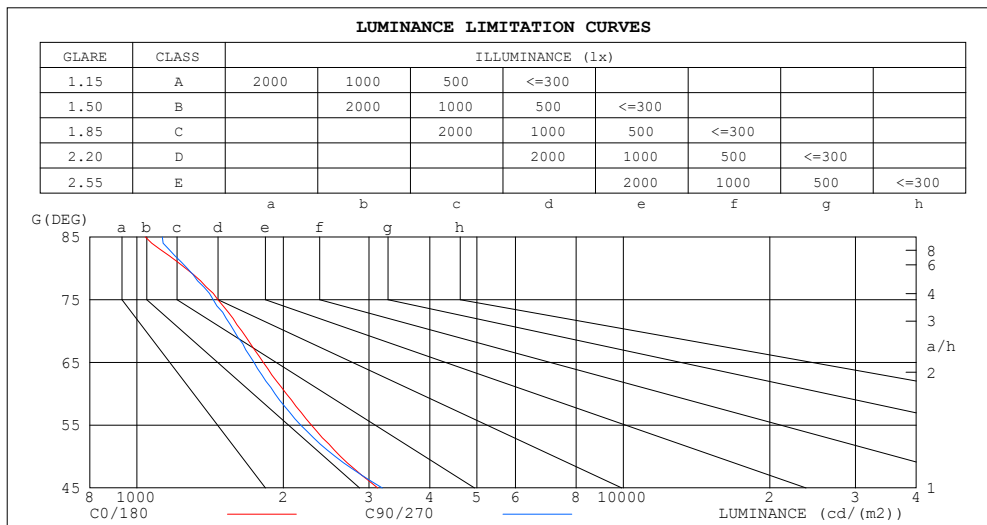
γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	559.3	727.0	790.2	619.5					0- 10	69.73	69.73	11.9,11.9
20	351.7	476.0	480.0	356.1					10- 20	151.2	221.0	37.7,37.7
30	196.5	241.3	221.9	172.9					20- 30	137.6	358.6	61.2,61.2
40	104.1	113.0	96.81	83.43					30- 40	90.73	449.3	76.6,76.6
50	59.02	57.57	50.41	46.08					40- 50	56.09	505.4	86.2,86.2
60	35.52	33.65	30.56	27.78					50- 60	37.11	542.5	92.5,92.5
70	19.67	18.98	17.54	15.07					60- 70	24.23	566.8	96.7,96.7
80	7.660	7.714	6.406	4.946					70- 80	12.69	579.4	98.8,98.8
90	0.5827	0.7242	0.6770	0.2955					80- 90	3.206	582.7	99.4,99.4
100	0.4563	0.3029	0.3449	0.2265					90-100	0.4722	583.1	99.4,99.5
110	0.3664	0.2771	0.1947	0.1963					100-110	0.2935	583.4	99.5,99.5
120	0.3427	0.2886	0.3203	0.2056					110-120	0.2653	583.7	99.5,99.6
130	0.4008	0.3820	0.4930	0.3546					120-130	0.3032	584.0	99.6,99.6
140	0.7381	0.6162	0.8133	0.6891					130-140	0.4119	584.4	99.7,99.7
150	1.157	1.047	1.220	1.182					140-150	0.5724	585.0	99.8,99.8
160	1.674	1.590	1.725	1.724					150-160	0.6495	585.6	99.9,99.9
170	2.069	2.106	2.143	2.143					160-170	0.5351	586.2	100,100
180	2.291	2.340	2.291	2.315					170-180	0.2107	586.4	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:0.3447A P:8.2731W PF:1.0000 Freq:0Hz Lamp Flux:586.251x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:



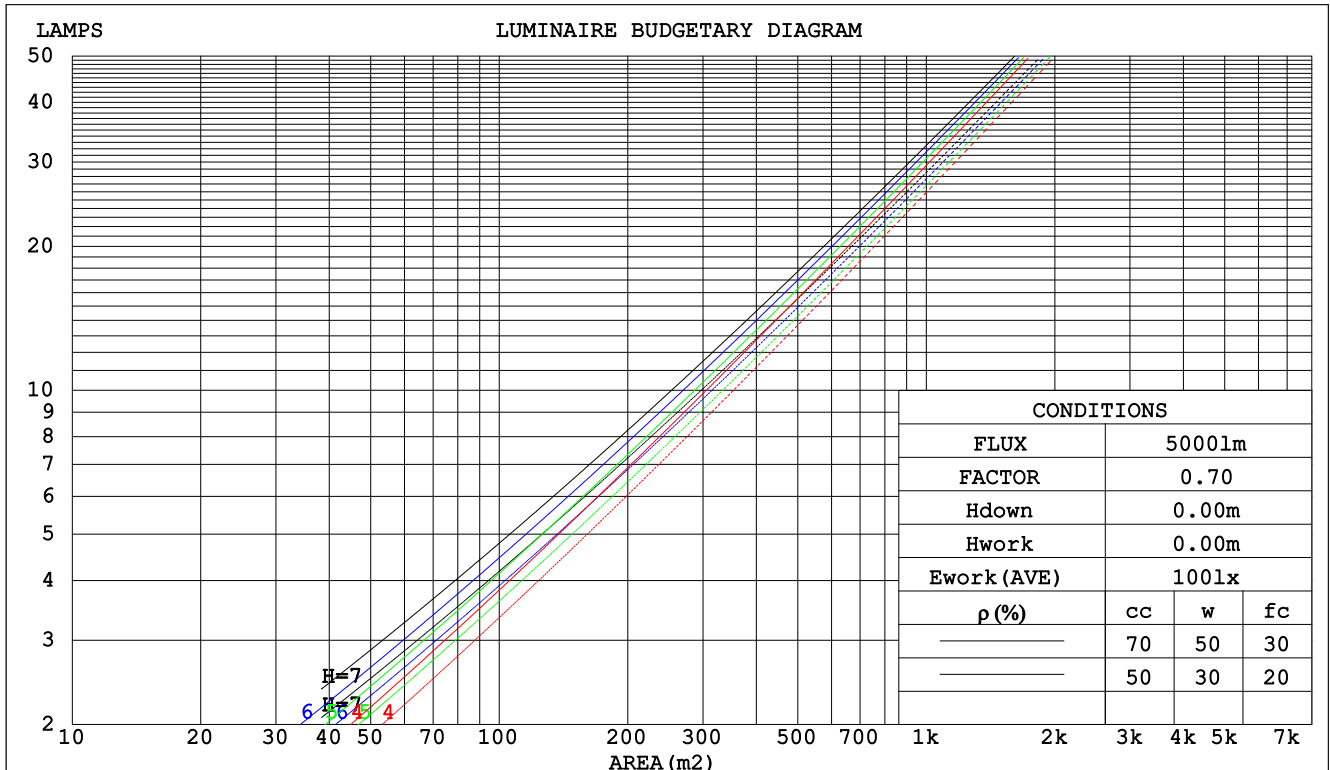
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.001V I:0.3447A P:8.2731W PF:1.0000 Freq:0Hz Lamp Flux:586.251x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 W	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 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	1.01	1.01	1.01	.99
1.0	1.09	1.06	1.03	1.07	1.04	1.01	1.02	1.00	.98	.98	.97	.95	.95	.94	.92	.90
2.0	.00	.95	.91	.98	.93	.90	.94	.91	.88	.91	.88	.86	.88	.86	.84	.82
3.0	.92	.86	.81	.90	.85	.81	.87	.83	.79	.85	.81	.78	.82	.79	.77	.75
4.0	.85	.79	.74	.84	.78	.73	.81	.76	.72	.79	.75	.71	.77	.73	.70	.69
5.0	.79	.72	.67	.78	.72	.67	.76	.71	.66	.74	.69	.66	.72	.68	.65	.63
6.0	.74	.67	.62	.73	.67	.62	.71	.66	.61	.70	.65	.61	.68	.64	.61	.59
7.0	.69	.62	.58	.68	.62	.58	.67	.61	.57	.66	.61	.57	.64	.60	.57	.55
8.0	.65	.58	.54	.64	.58	.54	.63	.58	.54	.62	.57	.53	.61	.56	.53	.52
9.0	.61	.55	.51	.61	.55	.51	.60	.54	.50	.59	.54	.50	.58	.53	.50	.48
10.0	.58	.52	.48	.58	.52	.48	.57	.51	.47	.56	.51	.47	.55	.50	.47	.46



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:0.3447A P:8.2731W PF:1.0000 Freq:0Hz Lamp Flux:586.251x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 W	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	.213	.121	.038	.206	.117	.037	.193	.111	.035	.181	.104	.033	.170	.098	.032	
2.0	.202	.111	.034	.196	.108	.033	.185	.103	.032	.175	.098	.031	.165	.093	.029	
3.0	.190	.101	.030	.185	.099	.030	.175	.095	.029	.166	.091	.028	.158	.087	.027	
4.0	.178	.093	.027	.174	.091	.027	.165	.088	.026	.158	.085	.026	.150	.082	.025	
5.0	.168	.085	.025	.164	.084	.024	.156	.081	.024	.149	.079	.023	.143	.076	.023	
6.0	.158	.079	.023	.154	.078	.022	.148	.076	.022	.142	.074	.022	.136	.072	.021	
7.0	.149	.074	.021	.146	.073	.021	.140	.071	.020	.135	.069	.020	.130	.067	.020	
8.0	.141	.069	.019	.138	.068	.019	.133	.067	.019	.128	.065	.019	.124	.064	.018	
9.0	.134	.065	.018	.131	.064	.018	.127	.063	.018	.122	.061	.018	.118	.060	.017	
10.0	.127	.061	.017	.125	.060	.017	.121	.059	.017	.117	.058	.017	.113	.057	.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	.142	.118	.098	.097	.082	.069	.056	.048	.040	.018	.015	.013	
3.0	.154	.119	.091	.132	.102	.079	.091	.071	.055	.052	.042	.032	.017	.013	.011	
4.0	.144	.104	.074	.124	.090	.064	.085	.063	.045	.049	.037	.027	.016	.012	.009	
5.0	.136	.093	.061	.117	.081	.053	.080	.056	.038	.047	.033	.022	.015	.011	.007	
6.0	.128	.084	.052	.110	.073	.045	.076	.051	.032	.044	.030	.019	.014	.010	.006	
7.0	.122	.077	.045	.105	.066	.039	.072	.047	.028	.042	.027	.017	.014	.009	.005	
8.0	.116	.070	.039	.100	.061	.034	.069	.043	.024	.040	.025	.015	.013	.008	.005	
9.0	.110	.065	.035	.095	.057	.030	.066	.040	.022	.038	.024	.013	.012	.008	.004	
10.0	.105	.061	.031	.091	.053	.027	.063	.037	.019	.037	.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:0.3447A P:8.2731W PF:1.0000 Freq:0Hz											
Lamp Flux:586.251x1 lm											
NAME: FG3D34-DGB3K-25W-白-40度 W					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	15.4	16.5	15.6	16.7	16.8	15.4	16.5	15.7	16.7	16.9	
	3H	16.3	17.3	16.6	17.5	17.7	16.3	17.2	16.5	17.5	17.7
	4H	16.7	17.6	17.0	17.8	18.1	16.6	17.5	16.9	17.8	18.0
	6H	16.9	17.8	17.2	18.1	18.3	16.9	17.7	17.2	18.0	18.3
	8H	17.0	17.8	17.3	18.1	18.4	16.9	17.8	17.3	18.1	18.3
	12H	17.0	17.8	17.3	18.1	18.4	17.0	17.8	17.3	18.1	18.4
4H	2H	15.7	16.7	16.0	16.9	17.1	15.7	16.7	16.0	16.9	17.2
	3H	16.8	17.6	17.2	17.9	18.2	16.8	17.6	17.1	17.9	18.2
	4H	17.3	18.0	17.7	18.4	18.7	17.2	18.0	17.6	18.3	18.6
	6H	17.7	18.3	18.0	18.7	19.0	17.6	18.3	18.0	18.6	19.0
	8H	17.8	18.4	18.2	18.7	19.1	17.7	18.3	18.1	18.7	19.1
	12H	17.8	18.4	18.3	18.8	19.2	17.8	18.4	18.2	18.8	19.2
8H	4H	17.4	18.1	17.9	18.4	18.8	17.4	18.0	17.8	18.4	18.8
	6H	17.9	18.4	18.4	18.8	19.3	17.9	18.4	18.3	18.8	19.2
	8H	18.1	18.5	18.5	19.0	19.4	18.1	18.5	18.5	18.9	19.4
	12H	18.2	18.6	18.7	19.0	19.5	18.2	18.6	18.7	19.0	19.5
12H	4H	17.4	18.0	17.9	18.4	18.8	17.4	17.9	17.8	18.3	18.7
	6H	17.9	18.4	18.4	18.8	19.3	17.9	18.3	18.4	18.8	19.2
	8H	18.1	18.5	18.6	19.0	19.5	18.1	18.5	18.6	18.9	19.4
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.4 / - 0.5					+ 0.5 / - 0.6					
1.5H	+ 0.4 / - 0.3					+ 0.7 / - 0.4					
2.0H	+ 0.7 / - 0.5					+ 0.8 / - 0.5					

CIE Pub.117, 586.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.9)
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:0.3447A P:8.2731W PF:1.0000 Freq:0Hz Lamp Flux:586.251x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:

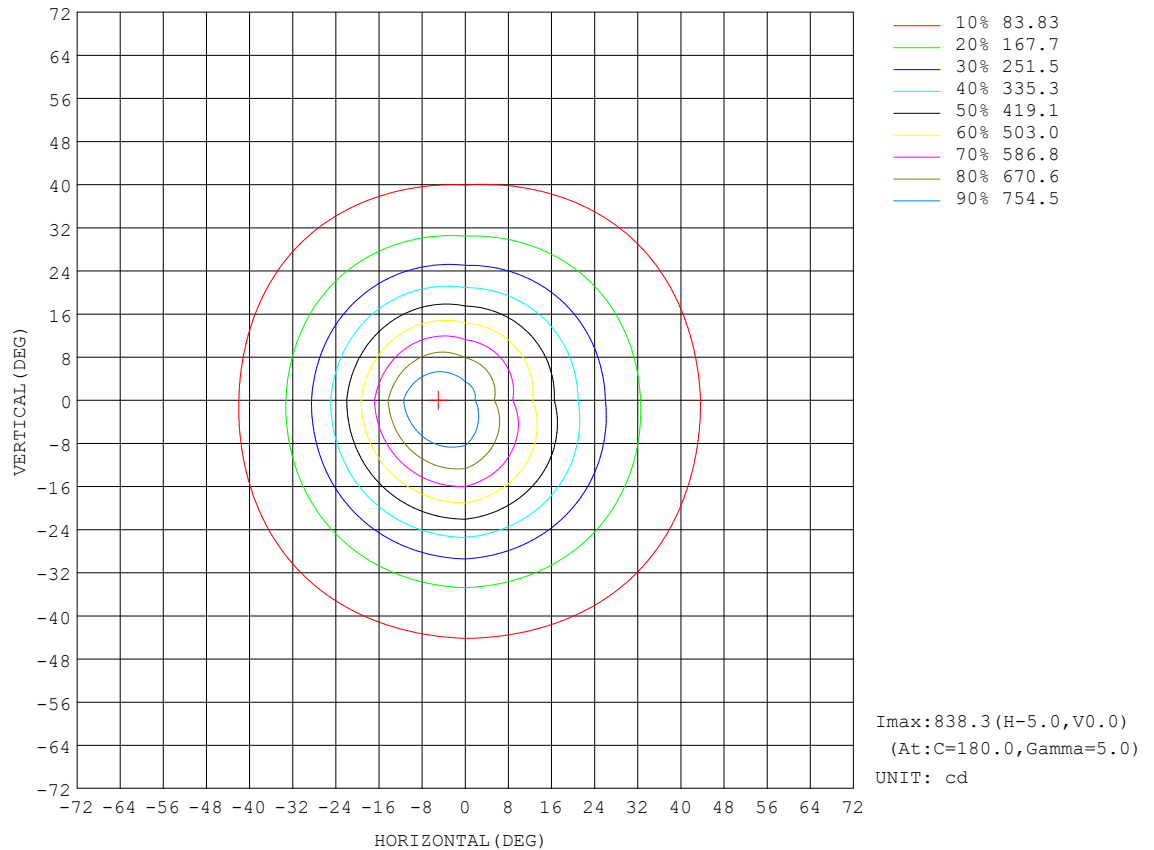
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	77	69	64	76	69	64	75	68	64	59
0.80	85	78	73	85	77	73	83	77	72	67
1.00	91	84	79	90	83	79	89	84	78	73
1.25	96	90	85	95	89	84	93	88	84	78
1.50	100	94	89	99	93	88	96	91	87	82
2.00	104	98	94	102	97	93	99	95	92	86
2.50	106	101	97	105	100	96	101	97	94	88
3.00	109	104	100	107	103	99	103	100	97	90
4.00	111	107	104	109	106	103	105	102	100	92
5.00	113	110	107	111	108	106	106	104	102	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

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:0.3447A P:8.2731W PF:1.0000 Freq:0Hz Lamp Flux:586.251x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:

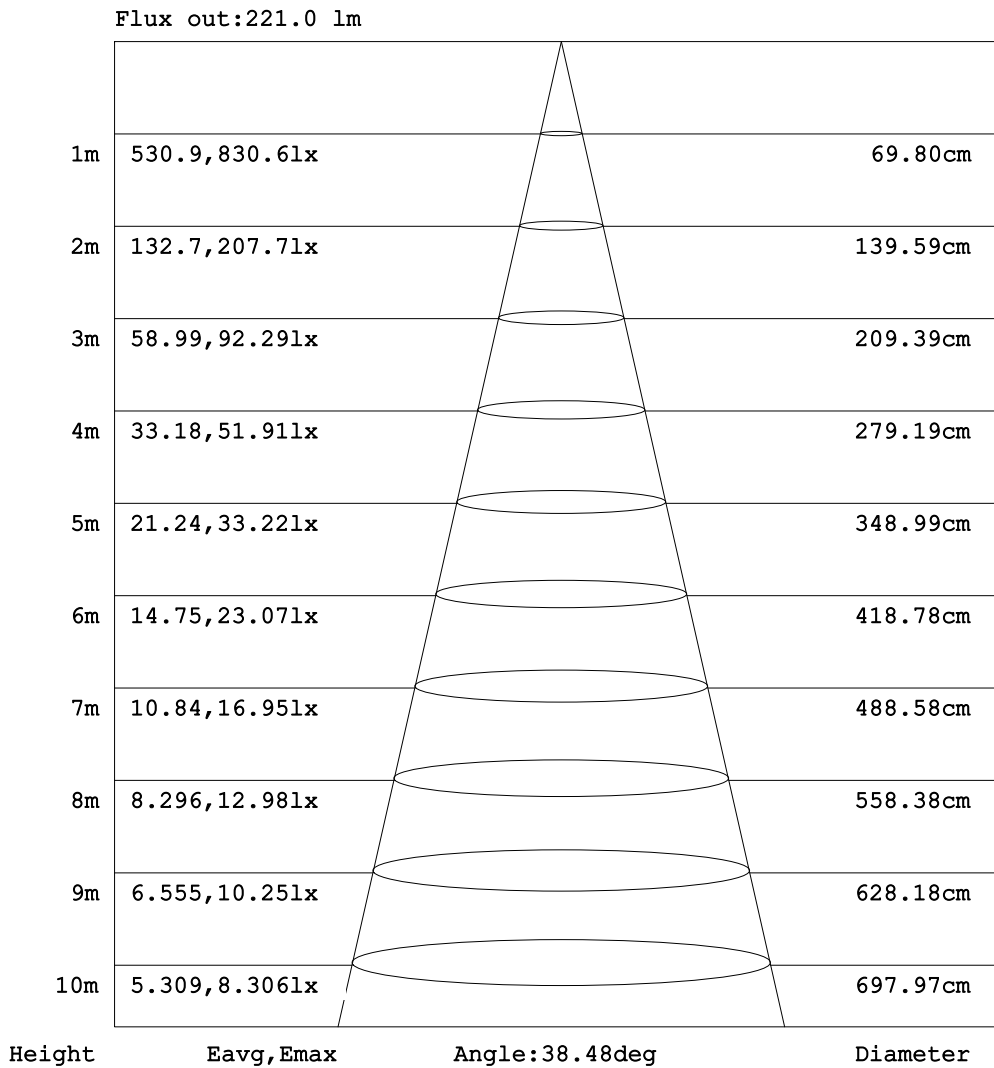


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-10

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:0.3447A P:8.2731W PF:1.0000 Freq:0Hz Lamp Flux:586.251x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:



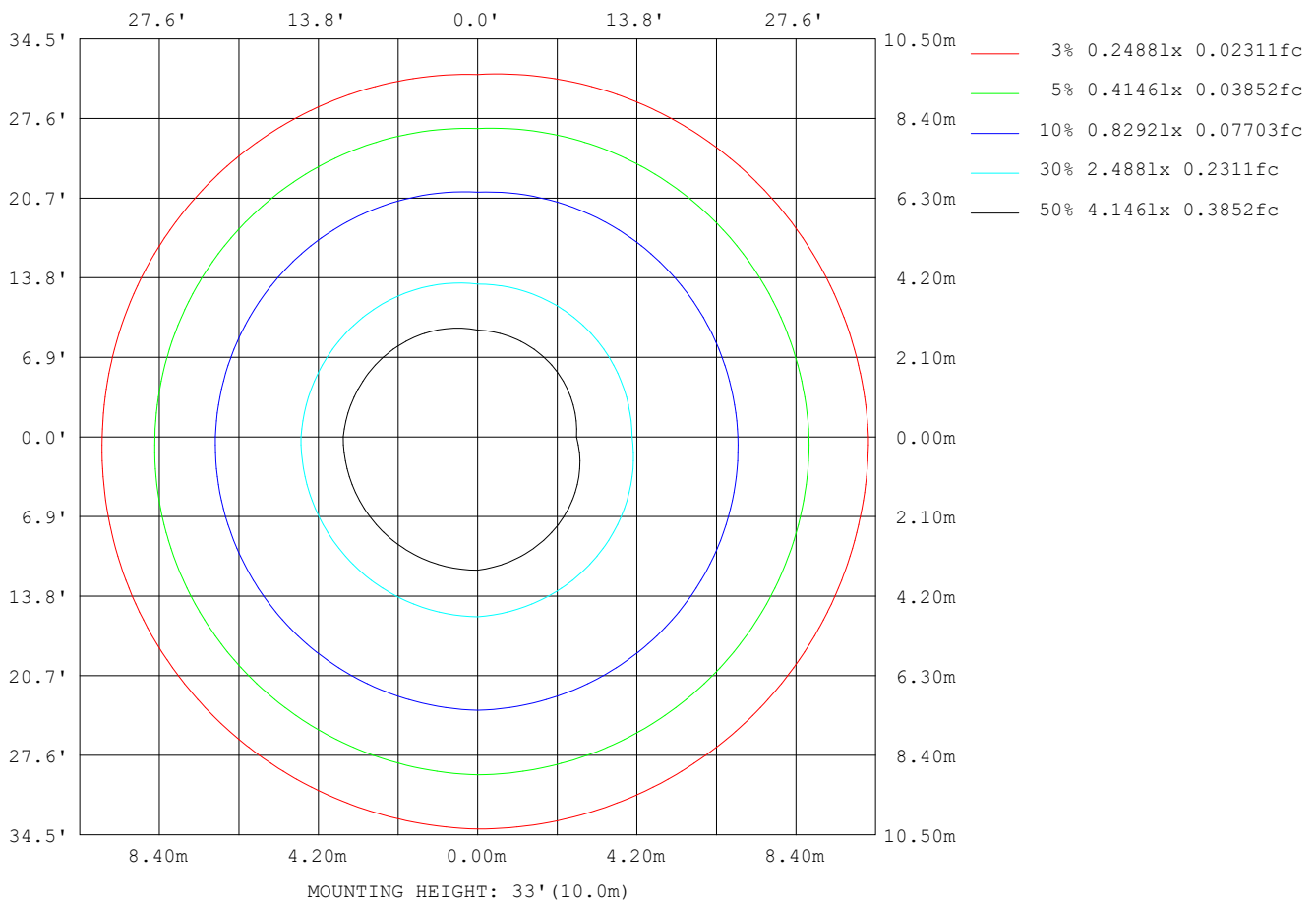
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3447A P:8.2731W PF:1.0000 Freq:0Hz Lamp Flux:586.251x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 W	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:0.3447A P:8.2731W PF:1.0000 Freq:0Hz Lamp Flux:586.251x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.035*1	Shielding Angle:

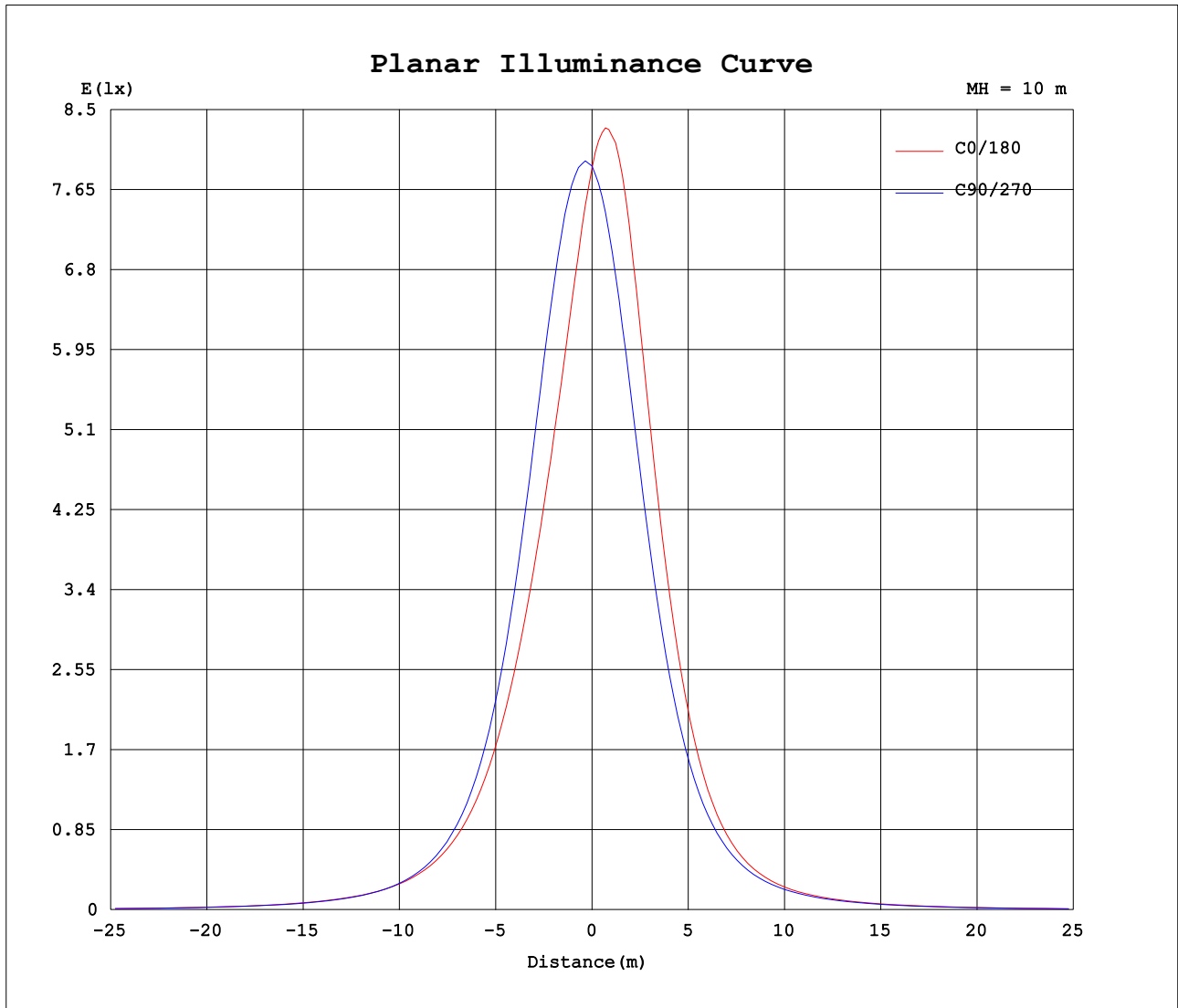
AvgL	cd/m2
L_0~180 (65) av	1712
L_0~180 (75) av	1382
L_0~180 (85) av	889
L_90~270 (65) av	1580
L_90~270 (75) av	1251
L_90~270 (85) av	825
L_45 (65) av	1623
L_45 (75) av	1295
L_45 (85) av	840

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:0.3447A P:8.2731W PF:1.0000 Freq:0Hz Lamp Flux:586.251x1 lm		
NAME: FG3D34-DGB3K-25W-白-40度 W	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	788	790	788	790															
5	679	789	838	728															
10	559	727	790	620															
15	449	613	649	484															
20	352	476	480	356															
25	267	346	334	252															
30	197	241	222	173															
35	143	165	145	119															
40	104	113	96.8	83.4															
45	77.3	79.1	68.1	60.9															
50	59.0	57.6	50.4	46.1															
55	45.9	43.6	39.0	35.9															
60	35.5	33.6	30.6	27.8															
65	26.9	25.8	23.7	21.0															
70	19.7	19.0	17.5	15.1															
75	13.3	13.0	11.8	9.66															
80	7.66	7.71	6.41	4.95															
85	3.17	3.44	2.25	1.59															
90	0.58	0.72	0.68	0.30															
95	0.52	0.43	0.50	0.25															
100	0.46	0.30	0.34	0.23															
105	0.41	0.28	0.16	0.20															
110	0.37	0.28	0.19	0.20															
115	0.33	0.28	0.25	0.20															
120	0.34	0.29	0.32	0.21															
125	0.37	0.32	0.41	0.23															
130	0.40	0.38	0.49	0.35															
135	0.53	0.49	0.63	0.49															
140	0.74	0.62	0.81	0.69															
145	0.91	0.80	0.99	0.94															
150	1.16	1.05	1.22	1.18															
155	1.42	1.33	1.48	1.53															
160	1.67	1.59	1.72	1.72															
165	1.93	1.87	1.93	1.96															
170	2.07	2.11	2.14	2.14															
175	2.19	2.28	2.29	2.30															
180	2.29	2.34	2.29	2.32															

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: