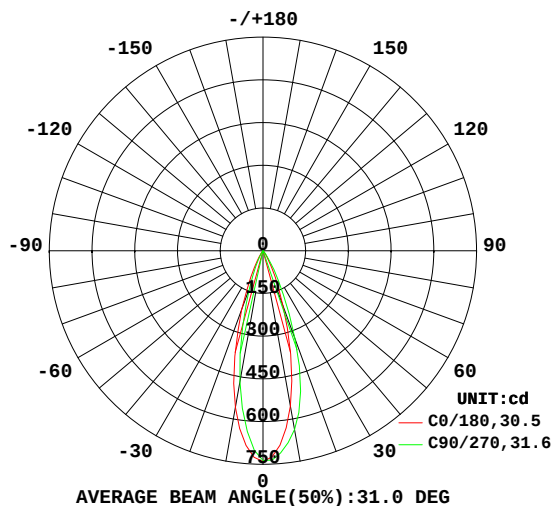


LUMINAIRE PHOTOMETRIC TEST REPORT

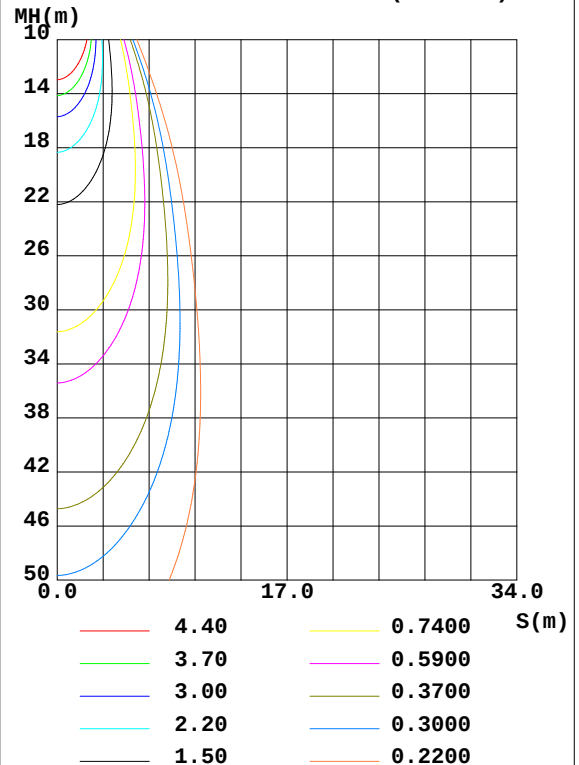
Test:U:220.63V I:0.0348A P:4.1607W PF:0.5413 Freq:50.01Hz Lamp Flux:238.276x1 lm		
NAME: DL694002-3K BK	TYPE:	WEIGHT:
SPEC.: 4W	DIM.:	SERIAL No.:
MFR.:	SUR.: 57*27mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.27 lm/W			
MODEL	3000K	I _{max} (cd)	740.0	S/MH(C0/180)	0.51
NOMINAL POWER(W)	4	LOR(%)	100.0	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	238.28	η UP, DN(C0-180)	0.4, 58.4
NOMINAL FLUX(lm)	238.276	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.3, 40.8
LAMPS INSIDE	1	η up(%)	0.7	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)		η down(%)	99.3	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2022-11-21

γ Range: 0 - 180DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 7.250m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

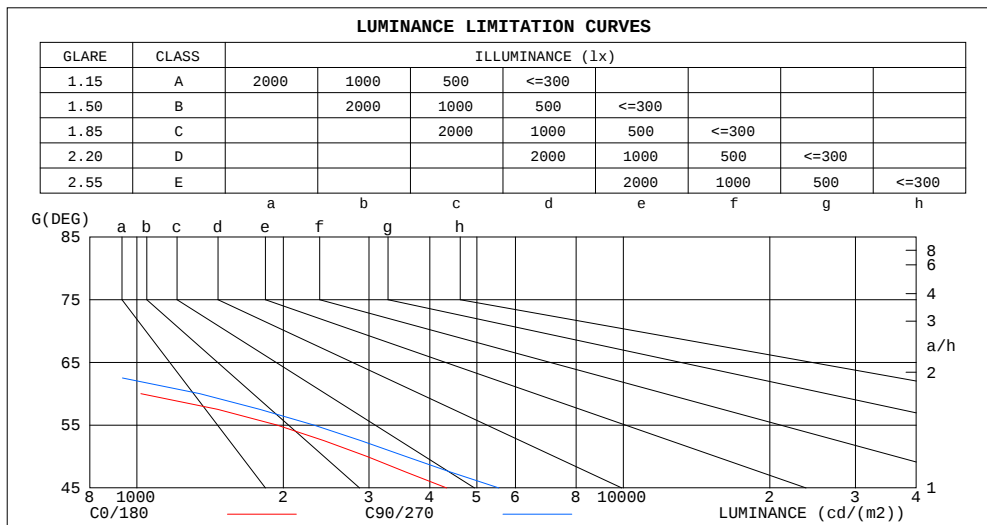
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	554.1	617.6	637.7	613.1	559.1	493.4	467.8	486.8	0- 10	60.84	60.84	25.5, 25.5
20	205.1	294.1	329.9	282.0	219.1	153.3	136.6	152.1	10- 20	104.7	165.6	69.5, 69.5
30	38.43	62.99	77.63	64.00	40.97	26.23	22.79	25.36	20- 30	52.11	217.7	91.3, 91.3
40	8.017	10.69	11.44	11.02	8.244	7.086	5.353	6.771	30- 40	12.71	230.4	96.7, 96.7
50	2.940	4.289	3.530	4.358	2.870	2.895	1.778	2.832	40- 50	4.096	234.5	98.4, 98.4
60	0.7841	1.574	1.036	1.548	0.7369	0.7946	0.2038	0.8347	50- 60	1.731	236.2	99.1, 99.1
70	0	0.1202	0.0005	0.1056	0	0.0000	0	0.0001	60- 70	0.3601	236.6	99.3, 99.3
80	0	0	0	0	0	0	0	0	70- 80	0.0037	236.6	99.3, 99.3
90	0	0	0	0	0	0	0	0	80- 90	0	236.6	99.3, 99.3
100	0	0	0	0	0	0	0	0	90-100	0	236.6	99.3, 99.3
110	0	0.0147	0	0.0037	0	0	0	0	100-110	0.0003	236.6	99.3, 99.3
120	0.1789	0.1574	0.0948	0.1501	0.0367	0.0328	0.0733	0.0073	110-120	0.0339	236.6	99.3, 99.3
130	0.5114	0.4537	0.3834	0.4390	0.2197	0.2374	0.2746	0.2045	120-130	0.1827	236.8	99.4, 99.4
140	0.8150	0.7790	0.7052	0.7570	0.4976	0.5152	0.5634	0.4677	130-140	0.3776	237.2	99.5, 99.5
150	0.9322	0.9249	0.9138	0.9140	0.7569	0.7420	0.7897	0.6982	140-150	0.4697	237.6	99.7, 99.7
160	0.8630	0.8590	0.9031	0.8371	0.7895	0.7824	0.7528	0.7458	150-160	0.3893	238.0	99.9, 99.9
170	0.6291	0.6396	0.6839	0.6286	0.6322	0.6070	0.5555	0.5668	160-170	0.2077	238.2	100, 100
180	0.5191	0.5191	0.5045	0.4935	0.5265	0.5374	0.5045	0.4862	170-180	0.0533	238.3	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2022-11-21

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.63V I:0.0348A P:4.1607W PF:0.5413 Freq:50.01Hz Lamp Flux:238.276x1 lm		
NAME: DL694002-3KBK	TYPE:	WEIGHT:
SPEC.: 4W	DIM.:	SERIAL No.:
MFR.:	SUR.: 57*27mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	0	0
75	0	0
70	0	1
65	260	542
60	1019	1347
55	1941	2310
50	2972	3568
45	4332	5545

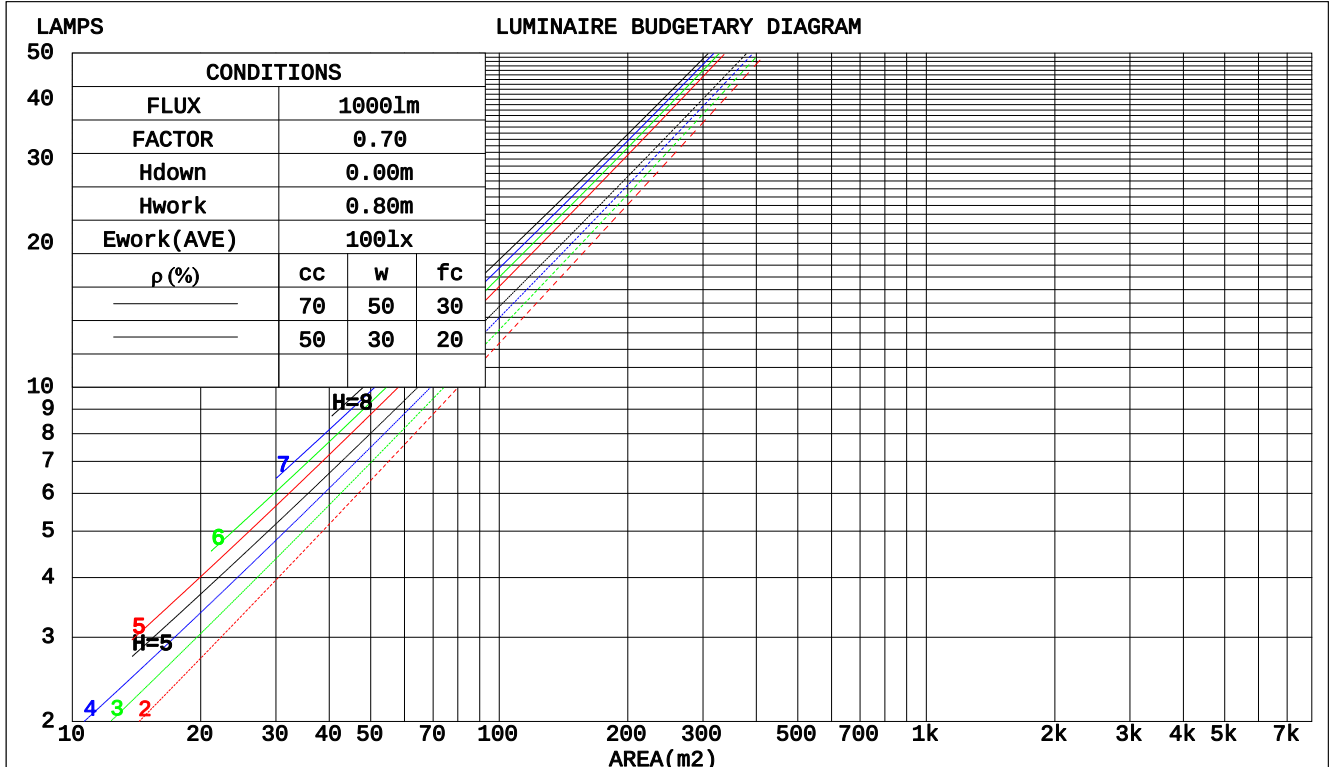
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2022-11-21

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.250m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.63V I:0.0348A P:4.1607W PF:0.5413 Freq:50.01Hz Lamp Flux:238.276x1 lm		
NAME: DL694002-3K BK	TYPE:	WEIGHT:
SPEC.: 4W	DIM.:	SERIAL No.:
MFR.:	SUR.: 57*27mm	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	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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.99	.99	.98	.97	.95
2.0	1.06	1.03	1.00	1.04	1.02	.99	1.01	.99	.97	.98	.96	.95	.95	.94	.93	.91
3.0	1.01	.97	.94	.99	.96	.93	.97	.94	.92	.95	.92	.90	.92	.90	.89	.87
4.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.91	.88	.86	.89	.87	.85	.84
5.0	.92	.88	.84	.91	.87	.84	.90	.86	.83	.88	.85	.82	.86	.84	.82	.80
6.0	.88	.84	.80	.88	.83	.80	.86	.82	.80	.85	.82	.79	.84	.81	.78	.77
7.0	.85	.80	.77	.84	.80	.77	.83	.79	.76	.82	.78	.76	.81	.78	.76	.74
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.73	.79	.76	.73	.78	.75	.73	.72
9.0	.79	.74	.71	.78	.74	.71	.77	.74	.71	.77	.73	.71	.76	.73	.70	.69
10.0	.76	.72	.69	.76	.71	.69	.75	.71	.68	.74	.71	.68	.74	.70	.68	.67



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2022-11-21

γ Range: 0 - 180DEG
 γ Interval: 2.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.63V I:0.0348A P:4.1607W PF:0.5413 Freq:50.01Hz Lamp Flux:238.276x1 lm					
NAME: DL694002-3K BK			TYPE:		WEIGHT:
SPEC.: 4W			DIM.:		SERIAL No.:
MFR.:			SUR.: 57*27mm		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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.148	.084	.027	.141	.080	.026	.128	.074	.023	.116	.067	.022	.106	.061	.020		
2.0	.139	.076	.023	.133	.073	.023	.122	.068	.021	.112	.063	.020	.103	.058	.018		
3.0	.130	.069	.021	.125	.067	.020	.116	.063	.019	.108	.059	.018	.100	.056	.017		
4.0	.123	.064	.019	.119	.062	.018	.111	.059	.018	.104	.056	.017	.097	.053	.016		
5.0	.116	.059	.017	.113	.058	.017	.106	.055	.016	.100	.053	.016	.094	.050	.015		
6.0	.110	.055	.016	.107	.054	.016	.102	.052	.015	.096	.050	.015	.091	.048	.014		
7.0	.105	.052	.015	.102	.051	.015	.097	.049	.014	.093	.048	.014	.088	.046	.013		
8.0	.100	.049	.014	.098	.048	.014	.094	.047	.013	.089	.045	.013	.085	.044	.013		
9.0	.096	.047	.013	.094	.046	.013	.090	.045	.013	.086	.043	.012	.083	.042	.012		
10.0	.092	.044	.012	.090	.044	.012	.087	.043	.012	.083	.041	.012	.080	.040	.012		

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.175	.163	.153	.149	.140	.131	.102	.096	.091	.059	.056	.053	.019	.018	.017	
2.0	.157	.138	.122	.135	.119	.106	.092	.082	.074	.053	.048	.043	.017	.015	.014	
3.0	.143	.119	.100	.123	.103	.086	.084	.071	.061	.049	.042	.036	.016	.014	.012	
4.0	.131	.104	.083	.113	.090	.072	.077	.062	.051	.045	.037	.030	.014	.012	.010	
5.0	.121	.092	.070	.104	.079	.061	.072	.055	.043	.042	.033	.025	.013	.011	.008	
6.0	.113	.082	.060	.097	.071	.052	.067	.050	.037	.039	.029	.022	.013	.010	.007	
7.0	.106	.074	.052	.091	.064	.045	.063	.045	.032	.036	.026	.019	.012	.009	.006	
8.0	.099	.067	.045	.086	.058	.039	.059	.041	.028	.034	.024	.017	.011	.008	.006	
9.0	.094	.062	.040	.081	.054	.035	.056	.038	.025	.033	.022	.015	.011	.007	.005	
10.0	.089	.057	.036	.077	.050	.031	.053	.035	.022	.031	.021	.013	.010	.007	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2022-11-21

γ Range: 0 - 180DEG
 γ Interval: 2.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.63V I:0.0348A P:4.1607W PF:0.5413 Freq:50.01Hz Lamp Flux:238.276x1 lm										
NAME: DL694002-3KBK					TYPE:			WEIGHT:		
SPEC.: 4W					DIM.:			SERIAL No.:		
MFR.:					SUR.: 57*27mm			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	13.9	14.7	14.2	14.8	15.0	15.8	16.5	16.0	16.6	16.8
3H	13.8	14.5	14.0	14.7	14.9	15.6	16.3	15.9	16.5	16.7
4H	13.7	14.3	14.0	14.6	14.8	15.5	16.2	15.8	16.4	16.6
6H	13.6	14.2	13.9	14.5	14.7	15.4	16.0	15.7	16.3	16.5
8H	13.6	14.1	13.9	14.4	14.7	15.4	16.0	15.7	16.2	16.5
12H	13.5	14.1	13.8	14.4	14.6	15.3	15.9	15.7	16.2	16.5
4H 2H	13.9	14.5	14.1	14.7	14.9	15.6	16.2	15.9	16.5	16.7
3H	13.7	14.2	14.0	14.5	14.8	15.4	16.0	15.8	16.3	16.6
4H	13.6	14.1	13.9	14.4	14.7	15.3	15.8	15.7	16.2	16.5
6H	13.5	13.9	13.9	14.3	14.6	15.2	15.7	15.6	16.0	16.4
8H	13.4	13.9	13.8	14.2	14.6	15.2	15.6	15.6	16.0	16.3
12H	13.4	13.8	13.8	14.1	14.5	15.1	15.5	15.5	15.9	16.3
8H 4H	13.4	13.9	13.8	14.2	14.6	15.2	15.6	15.6	16.0	16.3
6H	13.3	13.7	13.8	14.1	14.5	15.1	15.4	15.5	15.8	16.2
8H	13.3	13.6	13.7	14.0	14.4	15.0	15.3	15.5	15.7	16.2
12H	13.2	13.5	13.7	13.9	14.4	14.9	15.2	15.4	15.7	16.1
12H 4H	13.4	13.8	13.8	14.1	14.5	15.1	15.5	15.5	15.9	16.3
6H	13.3	13.6	13.7	14.0	14.4	15.0	15.3	15.5	15.7	16.2
8H	13.2	13.5	13.7	13.9	14.4	14.9	15.2	15.4	15.7	16.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.1 / - 5.1					+ 3.4 / - 5.9				
1.5H	+ 2.6 / - 3.1					+ 4.8 / - 3.3				
2.0H	+ 3.2 / - 6.8					+ 3.7 / - 5.2				

CIE Pub.117, 238.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.0)
Area: 0.001539 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2022-11-21

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.63V I:0.0348A P:4.1607W PF:0.5413 Freq:50.01Hz Lamp Flux:238.276x1 lm		
NAME: DL694002-3KBK	TYPE:	WEIGHT:
SPEC.: 4W	DIM.:	SERIAL No.:
MFR.:	SUR.: 57*27mm	Shielding Angle:

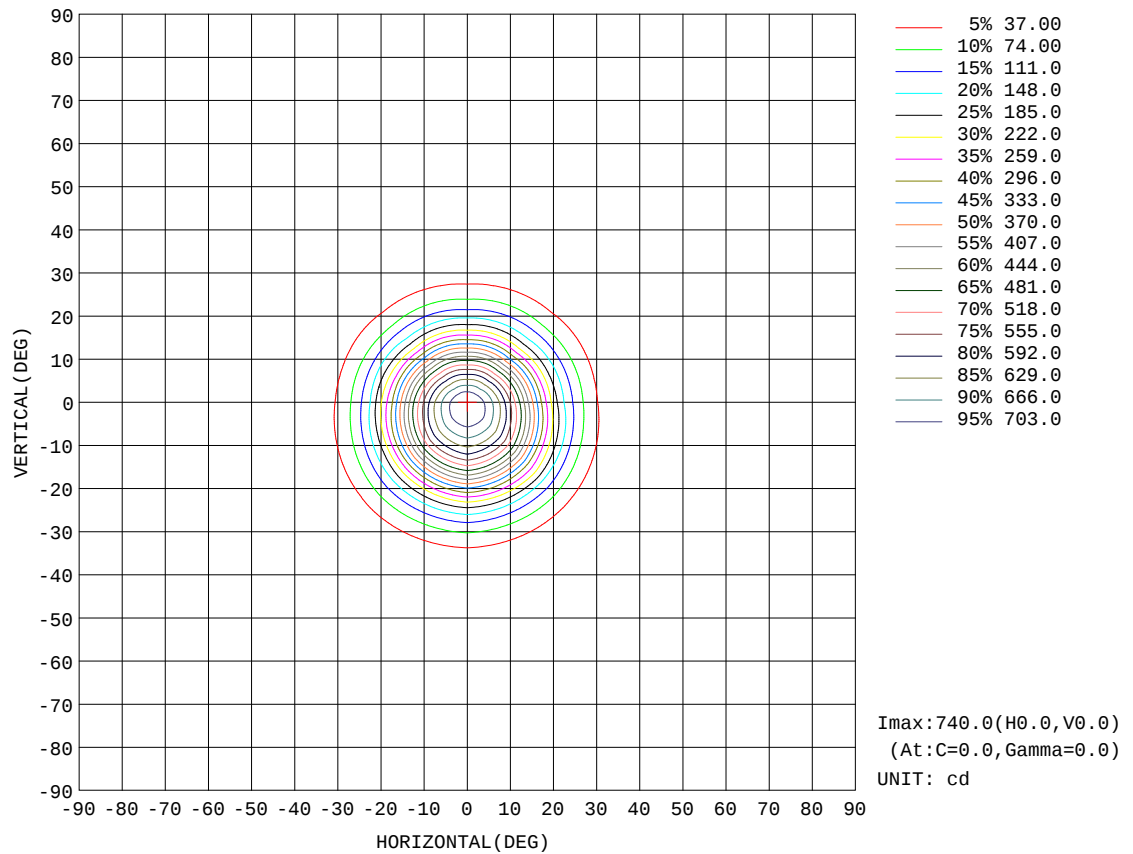
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	84	80	89	83	80	88	83	80	76
0.80	97	91	88	96	91	88	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	87
1.25	104	99	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	109	112	110	108	108	107	105	98
5.00	115	113	112	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2022-11-21

γ Range: 0 - 180DEG
 γ Interval: 2.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.63V I:0.0348A P:4.1607W PF:0.5413 Freq:50.01Hz Lamp Flux:238.276x1 lm		
NAME: DL694002-3K BK	TYPE:	WEIGHT:
SPEC.: 4W	DIM.:	SERIAL No.:
MFR.:	SUR.: 57*27mm	Shielding Angle:

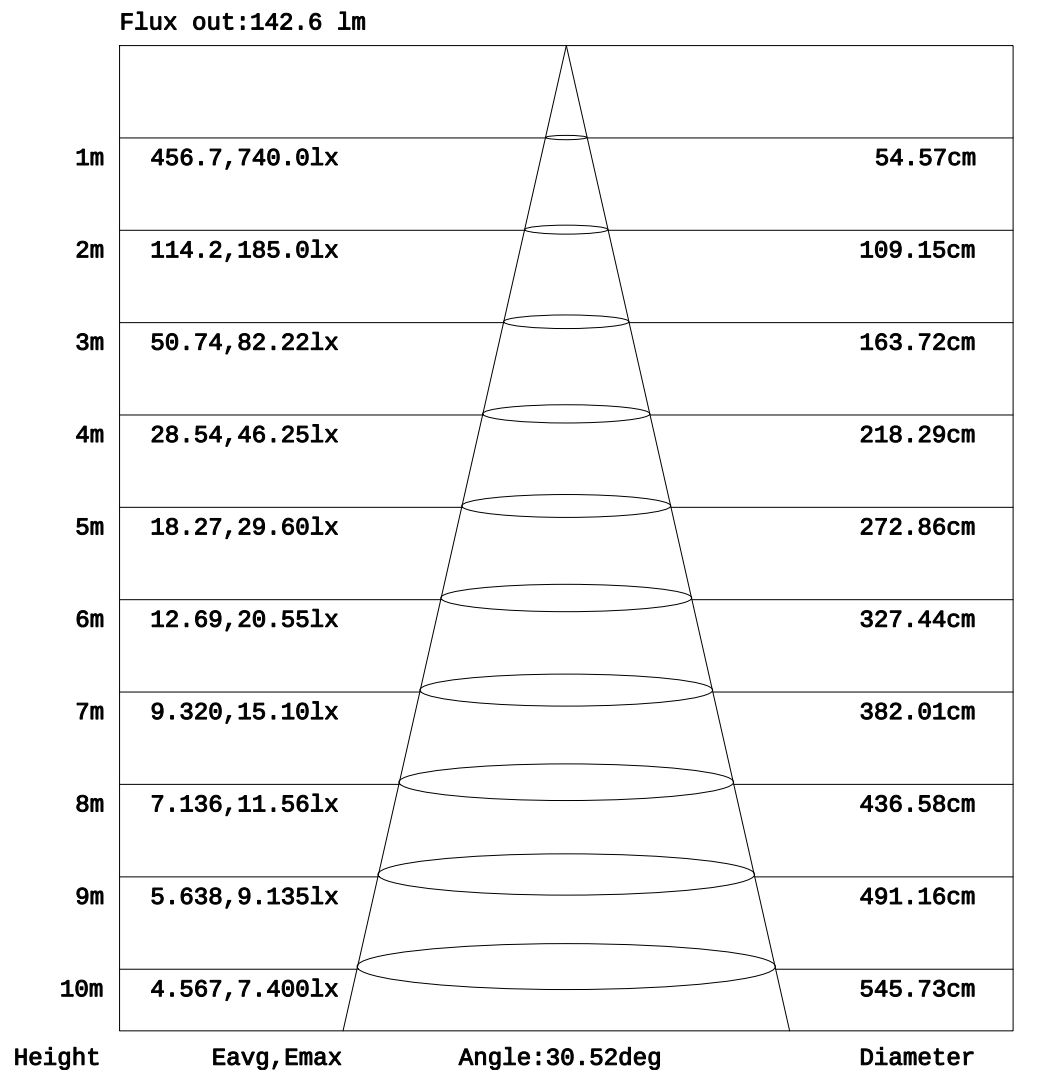


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2022-11-21

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.250m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.63V I:0.0348A P:4.1607W PF:0.5413 Freq:50.01Hz Lamp Flux:238.276x1 lm		
NAME: DL694002-3K BK	TYPE:	WEIGHT:
SPEC.: 4W	DIM.:	SERIAL No.:
MFR.:	SUR.: 57*27mm	Shielding Angle:



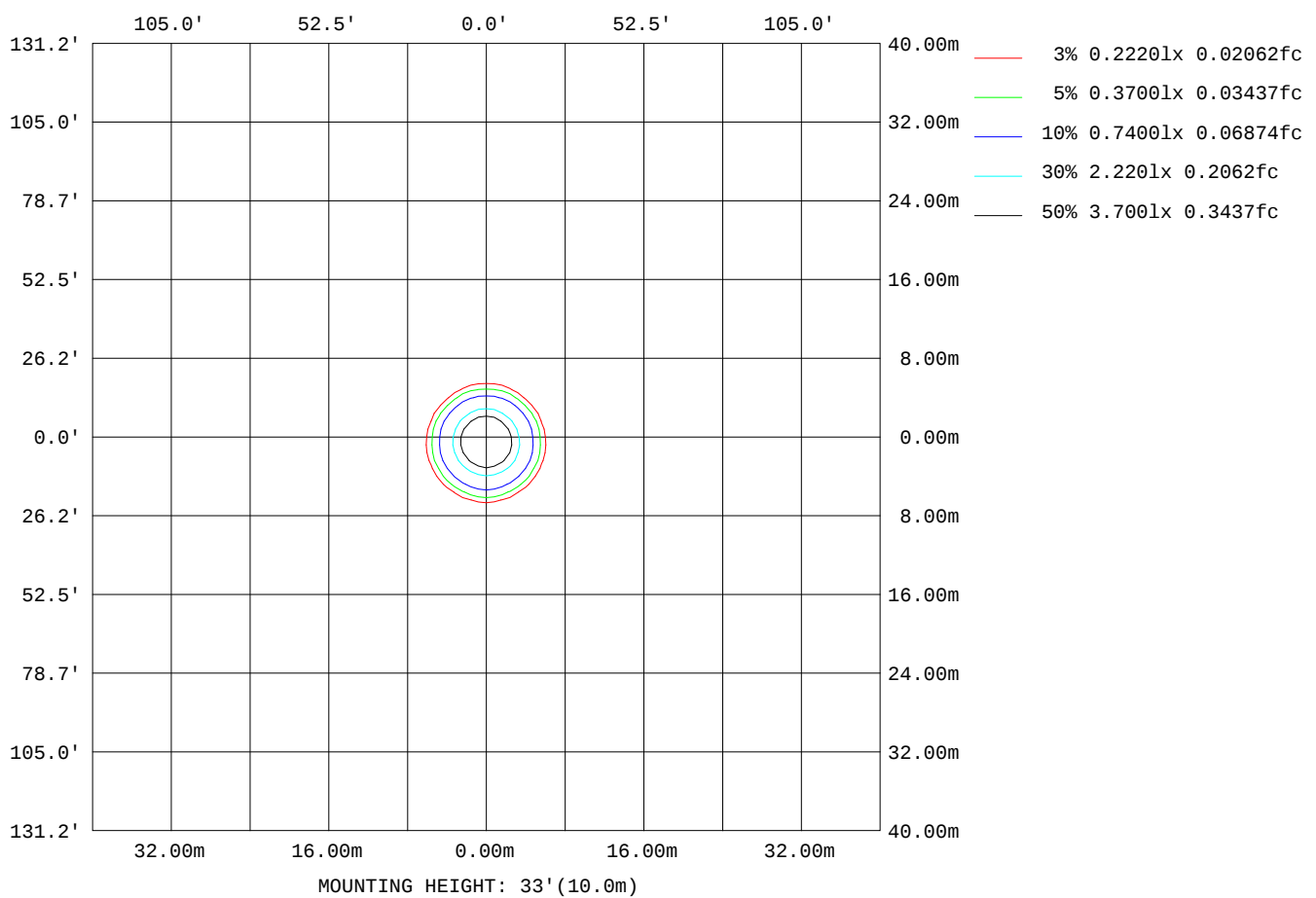
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2022-11-21

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.250m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.63V I:0.0348A P:4.1607W PF:0.5413 Freq:50.01Hz Lamp Flux:238.276x1 lm		
NAME: DL694002-3KVK	TYPE:	WEIGHT:
SPEC.: 4W	DIM.:	SERIAL No.:
MFR.:	SUR.: 57*27mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2022-11-21

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.250m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.63V I:0.0348A P:4.1607W PF:0.5413 Freq:50.01Hz Lamp Flux:238.276x1 lm		
NAME: DL694002-3K BK	TYPE:	WEIGHT:
SPEC.: 4W	DIM.:	SERIAL No.:
MFR.:	SUR.: 57*27mm	Shielding Angle:

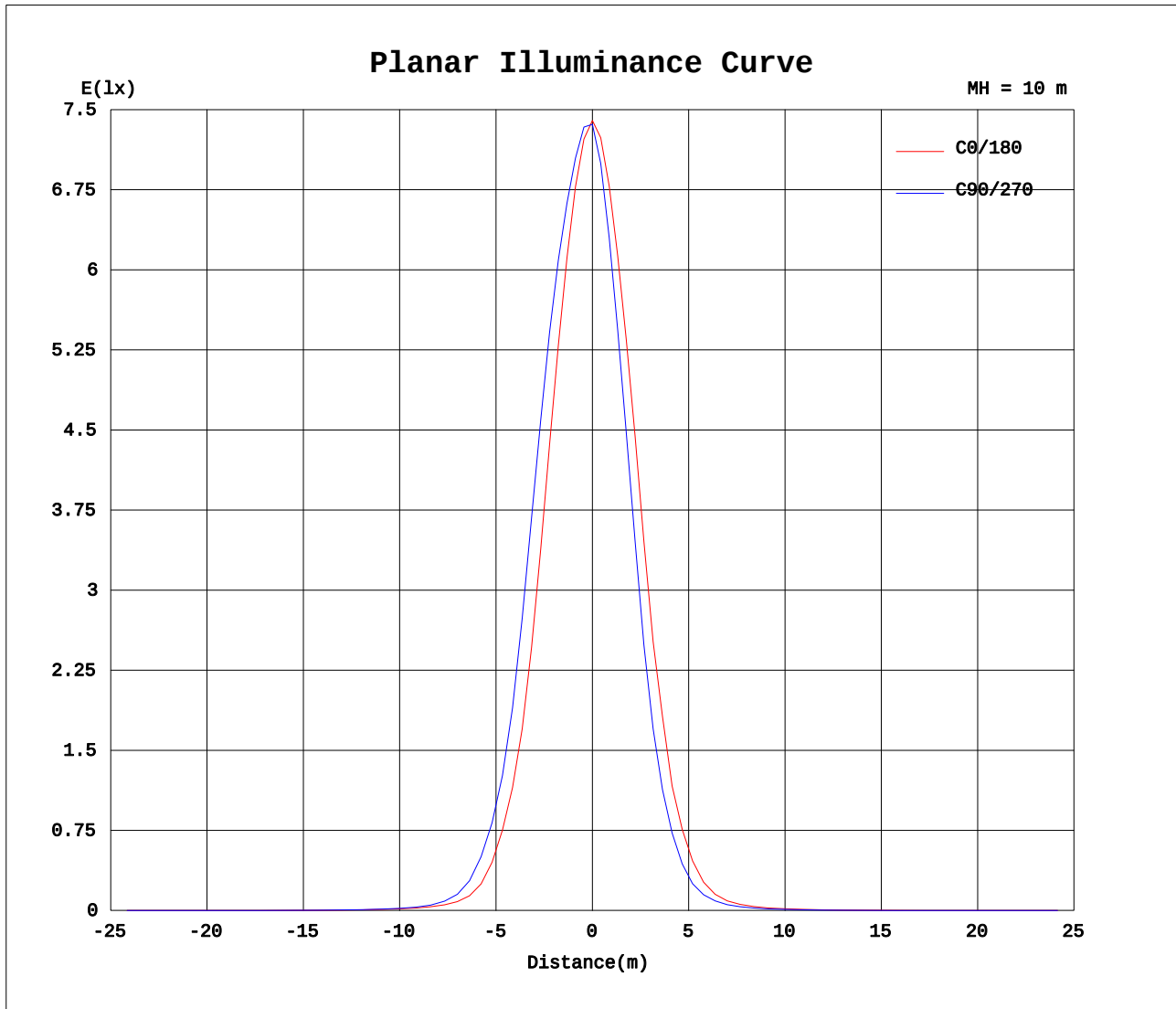
AvgL	cd/m2
L_0~180(65)av	225
L_0~180(75)av	0
L_0~180(85)av	0
L_90~270(65)av	271
L_90~270(75)av	0
L_90~270(85)av	0
L_45(65)av	683
L_45(75)av	0
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2022-11-21

γ Range: 0 - 180DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 7.250m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2022-11-21

γ Range: 0 - 180DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 7.250m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.63V I:0.0348A P:4.1607W PF:0.5413 Freq:50.01Hz Lamp Flux:238.276x1 lm		
NAME: DL694002-3KBK	TYPE:	WEIGHT:
SPEC.: 4W	DIM.:	SERIAL No.:
MFR.:	SUR.: 57*27mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	740	738	736	734	740	738	736	734										
5	685	707	713	704	686	650	637	650										
10	554	618	638	613	559	493	468	487										
15	376	477	510	468	384	305	276	296										
20	205	294	330	282	219	153	137	152										
25	101	148	170	144	102	68.1	58.7	69.3										
30	38.4	63.0	77.6	64.0	41.0	26.2	22.8	25.4										
35	15.3	22.5	27.7	23.6	16.6	12.2	10.1	11.7										
40	8.02	10.7	11.4	11.0	8.24	7.09	5.35	6.77										
45	4.71	6.44	6.03	6.59	4.72	4.54	3.12	4.38										
50	2.94	4.29	3.53	4.36	2.87	2.89	1.78	2.83										
55	1.71	2.75	2.04	2.76	1.62	1.67	0.85	1.69										
60	0.78	1.57	1.04	1.55	0.74	0.79	0.20	0.83										
65	0.17	0.72	0.35	0.68	0.12	0.18	0.00	0.20										
70	0.00	0.12	0.00	0.11	0.00	0.00	0.00	0.00										
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
110	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00										
115	0.07	0.06	0.01	0.06	0.00	0.00	0.01	0.00										
120	0.18	0.16	0.09	0.15	0.04	0.03	0.07	0.01										
125	0.33	0.30	0.22	0.28	0.11	0.11	0.16	0.10										
130	0.51	0.45	0.38	0.44	0.22	0.24	0.27	0.20										
135	0.68	0.63	0.55	0.61	0.35	0.38	0.42	0.33										
140	0.81	0.78	0.71	0.76	0.50	0.52	0.56	0.47										
145	0.91	0.90	0.83	0.87	0.64	0.65	0.69	0.61										
150	0.93	0.92	0.91	0.91	0.76	0.74	0.79	0.70										
155	0.93	0.91	0.92	0.89	0.81	0.78	0.80	0.74										
160	0.86	0.86	0.90	0.84	0.79	0.78	0.75	0.75										
165	0.75	0.76	0.80	0.74	0.73	0.71	0.65	0.67										
170	0.63	0.64	0.68	0.63	0.63	0.61	0.56	0.57										
175	0.52	0.53	0.55	0.51	0.55	0.55	0.50	0.50										
180	0.52	0.52	0.50	0.49	0.53	0.54	0.50	0.49										

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