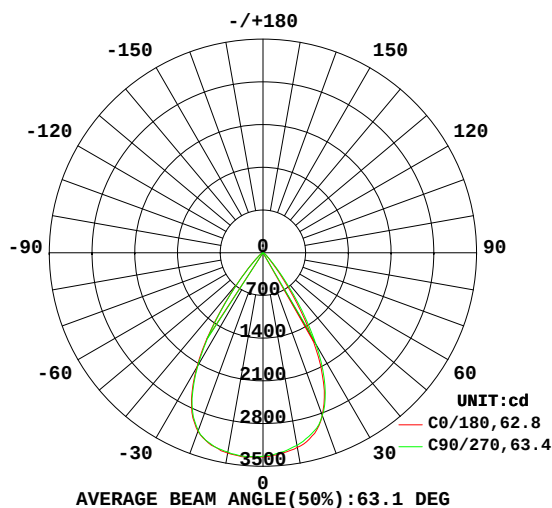


LUMINAIRE PHOTOMETRIC TEST REPORT

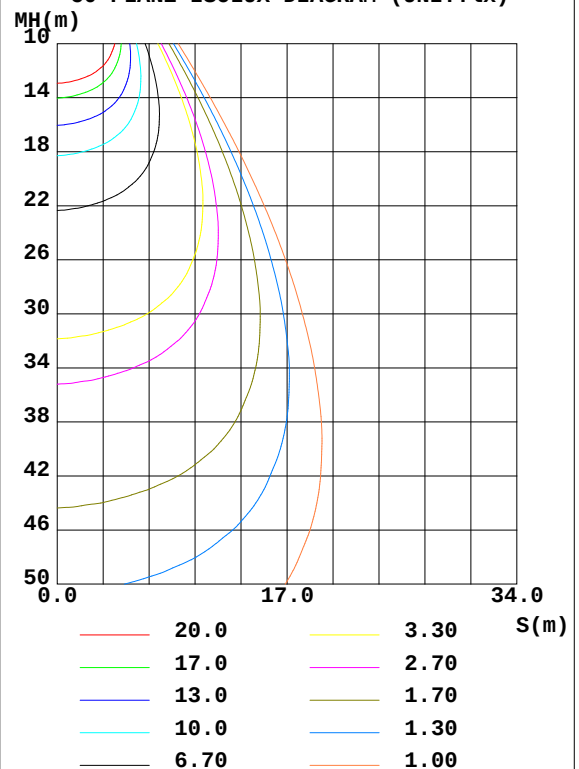
Test:U:230.69V I:0.1584A P:34.576W PF:0.9462 Freq:49.99Hz Lamp Flux:3315.88x1 lm		
NAME: BJ35-BKTC35C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.90 lm/W
MODEL	TB25171211 5700K	I _{max} (cd)	3362	S/MH(C0/180)	0.96	
NOMINAL POWER(W)	35	LOR(%)	100.0	S/MH(C90/270)	0.96	
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	3315.9	η UP, DN(C0-180)	0.0, 47.1	
NOMINAL FLUX(lm)	3315.88	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 52.9	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.95	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-03-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

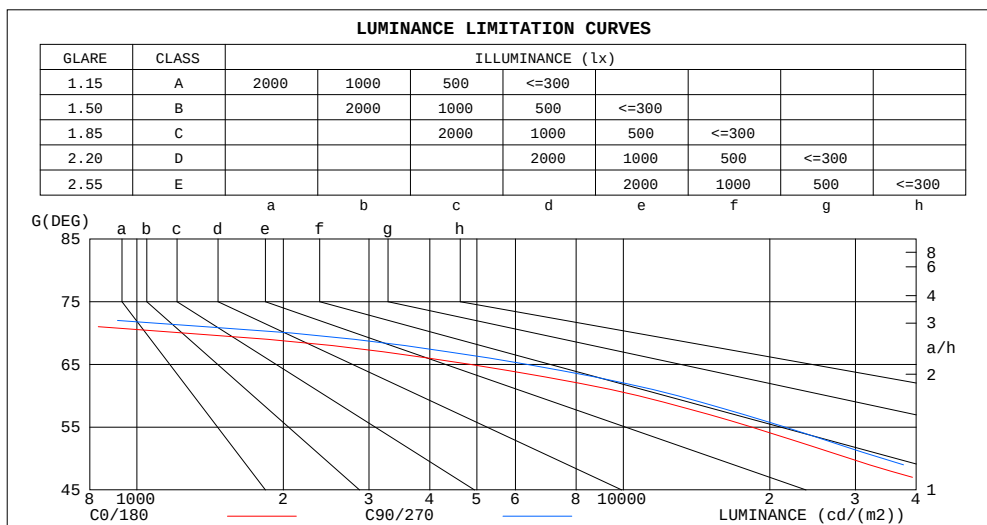
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3239	3189	3205	3269	3334	3331	3317	3282	0- 10	315.4	315.4	9.51,9.51
20	2840	2785	2841	2978	3114	3146	3103	2977	10- 20	890.8	1206	36.4,36.4
30	1624	1638	1745	1923	2170	2285	2139	1845	20- 30	1155	2361	71.2,71.2
40	340.0	368.5	429.5	497.2	644.1	734.1	618.8	420.0	30- 40	710.9	3072	92.6,92.6
50	76.36	81.09	89.30	95.32	115.9	132.1	114.3	85.63	40- 50	179.9	3252	98.1,98.1
60	21.83	23.35	26.29	28.12	31.95	34.66	30.52	24.71	50- 60	50.23	3302	99.6,99.6
70	1.728	2.000	2.884	3.541	4.387	4.716	3.505	2.438	60- 70	12.62	3315	100,100
80	0.3544	0.3820	0.4097	0.4601	0.4358	0.4173	0.3901	0.3436	70- 80	1.028	3316	100,100
90	0.0781	0.0735	0.0781	0.0735	0.0919	0.0873	0.0873	0.0873	80- 90	0.1978	3316	100,100
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									UNIT: lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2025-03-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
 Humidity:65.0%
 Test Distance:7.880m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.69V I:0.1584A P:34.576W PF:0.9462 Freq:49.99Hz Lamp Flux:3315.88x1 lm		
NAME: BJ35-BKTC35C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	415	454
80	501	580
75	585	659
70	1242	2072
65	4835	6325
60	10726	12918
55	18343	21503
50	29189	34136
45	50459	61028

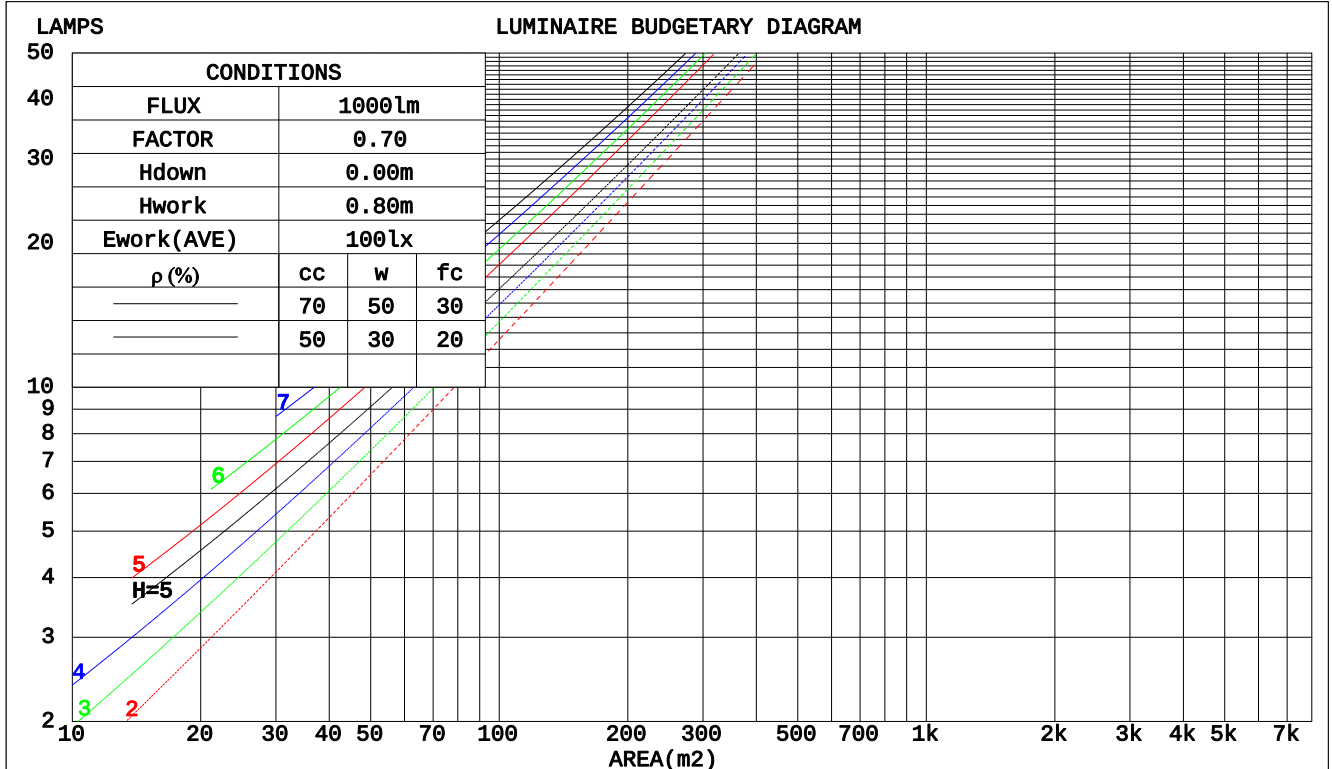
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-03-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.69V I:0.1584A P:34.576W PF:0.9462 Freq:49.99Hz Lamp Flux:3315.88x1 lm		
NAME: BJ35-BKTC35C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	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	1.02	1.02	1.02	1.00
1.0	1.11	1.08	1.06	1.09	1.06	1.04	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.95	1.01	.98	.94	.98	.95	.92	.95	.93	.90	.92	.90	.88	.87
3.0	.96	.91	.87	.94	.90	.86	.92	.88	.85	.89	.86	.83	.87	.84	.82	.81
4.0	.89	.84	.80	.88	.83	.79	.86	.82	.78	.84	.80	.77	.82	.79	.76	.75
5.0	.84	.78	.73	.83	.77	.73	.81	.76	.72	.79	.75	.72	.78	.74	.71	.70
6.0	.78	.72	.68	.78	.72	.68	.76	.71	.67	.75	.70	.67	.73	.69	.66	.65
7.0	.74	.68	.63	.73	.67	.63	.72	.67	.63	.70	.66	.62	.69	.65	.62	.61
8.0	.69	.63	.59	.69	.63	.59	.68	.62	.59	.67	.62	.58	.66	.61	.58	.57
9.0	.65	.59	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.53
10.0	.62	.56	.52	.61	.56	.52	.60	.55	.52	.60	.55	.52	.59	.55	.51	.50



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-03-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.69V I:0.1584A P:34.576W PF:0.9462 Freq:49.99Hz Lamp Flux:3315.88x1 lm					
NAME: BJ35-BKTC35C02			TYPE:		WEIGHT:
SPEC.: black RA90 3000K+5700K			DIM.:		SERIAL No.:
MFR.:			SUR.: 72mm		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	.179	.102	.032	.172	.098	.031	.159	.092	.029	.148	.085	.027	.137	.080	.026		
2.0	.172	.094	.029	.166	.092	.028	.156	.087	.027	.146	.082	.026	.137	.077	.024		
3.0	.164	.087	.026	.159	.085	.026	.150	.081	.025	.142	.078	.024	.134	.074	.023		
4.0	.157	.081	.024	.153	.080	.024	.145	.077	.023	.137	.074	.022	.131	.071	.022		
5.0	.150	.076	.022	.146	.075	.022	.139	.072	.021	.133	.070	.021	.127	.068	.020		
6.0	.143	.072	.021	.140	.071	.020	.134	.069	.020	.128	.067	.020	.123	.065	.019		
7.0	.137	.068	.019	.134	.067	.019	.129	.065	.019	.124	.063	.018	.119	.062	.018		
8.0	.131	.064	.018	.128	.063	.018	.124	.062	.018	.119	.060	.017	.115	.059	.017		
9.0	.126	.061	.017	.123	.060	.017	.119	.059	.017	.115	.058	.017	.111	.056	.016		
10.0	.121	.058	.016	.119	.057	.016	.115	.056	.016	.111	.055	.016	.108	.054	.016		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.147	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.132	.113	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.134	.099	.072	.115	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.126	.087	.059	.108	.076	.051	.074	.053	.036	.043	.031	.022	.014	.010	.007	
6.0	.118	.078	.049	.102	.068	.043	.070	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.112	.071	.042	.096	.061	.036	.067	.043	.026	.039	.025	.015	.012	.008	.005	
8.0	.106	.064	.036	.092	.056	.031	.063	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.101	.059	.031	.087	.051	.027	.061	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.084	.048	.024	.058	.034	.017	.034	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-03-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.69V I:0.1584A P:34.576W PF:0.9462 Freq:49.99Hz Lamp Flux:3315.88x1 lm										
NAME: BJ35-BKTC35C02					TYPE:			WEIGHT:		
SPEC.: black RA90 3000K+5700K					DIM.:			SERIAL No.:		
MFR.:					SUR.: 72mm			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	18.0	19.0	18.3	19.2	19.3	18.7	19.7	19.0	19.9	20.0
3H	17.9	18.8	18.1	19.0	19.2	18.6	19.4	18.8	19.6	19.8
4H	17.8	18.6	18.1	18.8	19.1	18.5	19.3	18.7	19.5	19.8
6H	17.7	18.5	18.0	18.7	19.0	18.4	19.2	18.7	19.4	19.7
8H	17.6	18.4	18.0	18.6	18.9	18.3	19.1	18.6	19.3	19.6
12H	17.6	18.3	17.9	18.6	18.9	18.3	19.0	18.6	19.3	19.6
4H 2H	17.8	18.6	18.1	18.9	19.1	18.5	19.3	18.8	19.5	19.8
3H	17.6	18.3	17.9	18.6	18.9	18.3	19.0	18.6	19.3	19.6
4H	17.5	18.2	17.9	18.5	18.8	18.2	18.9	18.6	19.2	19.5
6H	17.4	18.0	17.8	18.3	18.7	18.1	18.7	18.5	19.0	19.4
8H	17.4	17.9	17.8	18.3	18.6	18.1	18.6	18.5	19.0	19.3
12H	17.3	17.8	17.7	18.2	18.6	18.0	18.5	18.4	18.9	19.3
8H 4H	17.4	17.9	17.8	18.3	18.6	18.1	18.6	18.5	19.0	19.3
6H	17.3	17.7	17.7	18.1	18.5	18.0	18.4	18.4	18.8	19.2
8H	17.2	17.6	17.7	18.0	18.5	17.9	18.3	18.4	18.7	19.2
12H	17.2	17.5	17.6	17.9	18.4	17.9	18.2	18.3	18.6	19.1
12H 4H	17.3	17.8	17.7	18.2	18.6	18.0	18.5	18.4	18.9	19.3
6H	17.2	17.6	17.7	18.0	18.5	17.9	18.3	18.4	18.7	19.2
8H	17.2	17.5	17.6	17.9	18.4	17.9	18.2	18.3	18.6	19.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.5 / - 9.1					+ 3.8 / - 9.3				
1.5H	+ 5.6 / - 6.3					+ 5.9 / - 6.9				
2.0H	+ 4.8 / - 6.8					+ 5.3 / - 6.9				

CIE Pub.117, 3316 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.2)
Area: 0.00407 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-03-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.69V I:0.1584A P:34.576W PF:0.9462 Freq:49.99Hz Lamp Flux:3315.88x1 lm		
NAME: BJ35-BKTC35C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:

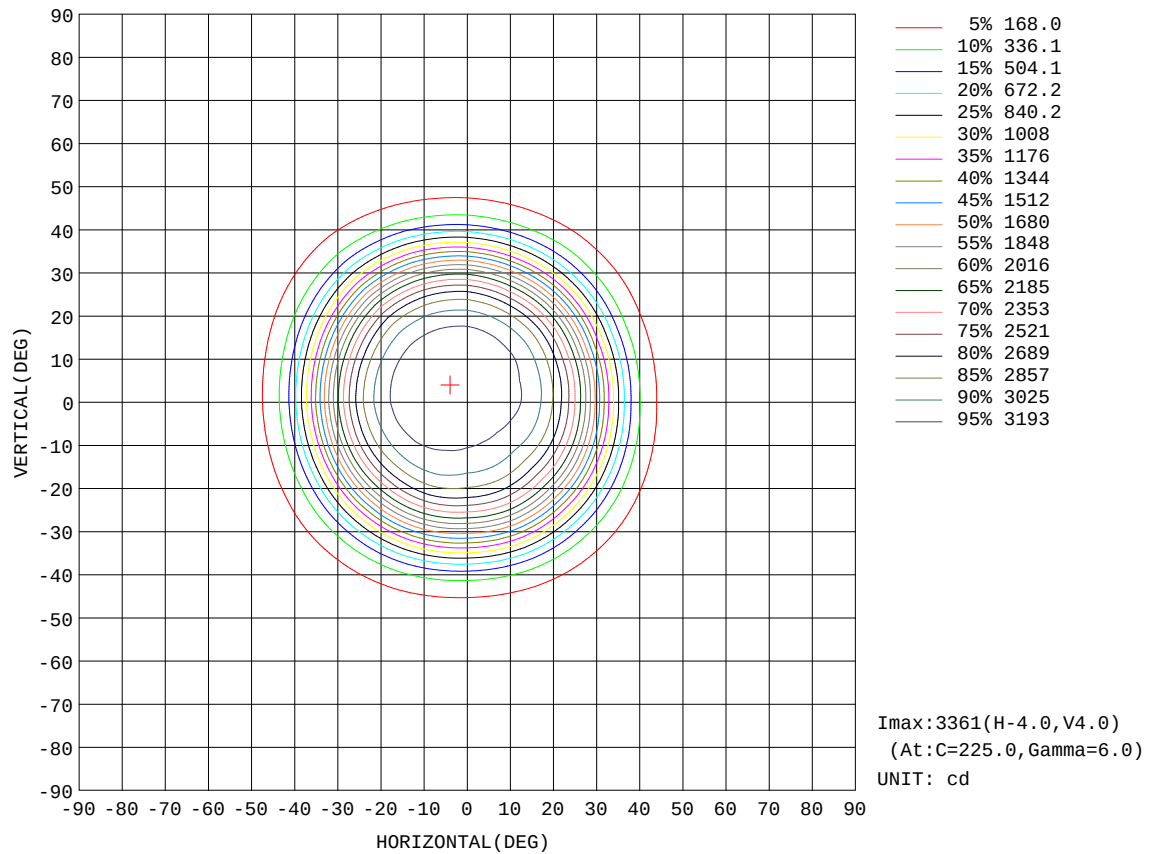
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	77	86	80	76	86	80	76	73
0.80	94	89	85	94	88	85	93	88	84	81
1.00	99	93	90	98	93	90	97	93	89	85
1.25	103	98	95	102	97	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	109	104	101	107	103	101	104	101	99	94
2.50	110	106	104	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-03-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.69V I:0.1584A P:34.576W PF:0.9462 Freq:49.99Hz Lamp Flux:3315.88x1 lm		
NAME: BJ35-BKTC35C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:

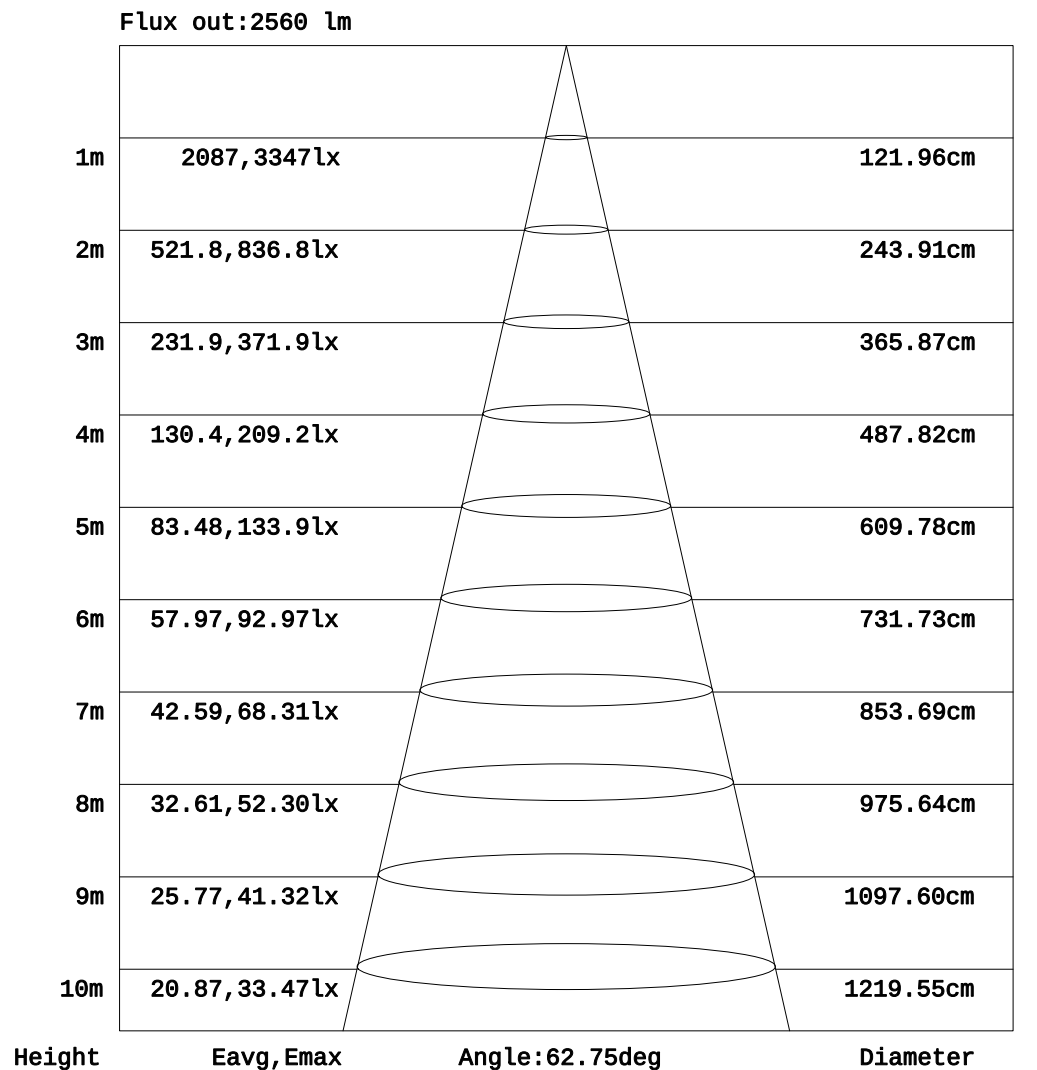


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-03-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.69V I:0.1584A P:34.576W PF:0.9462 Freq:49.99Hz Lamp Flux:3315.88x1 lm		
NAME: BJ35-BKTC35C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:



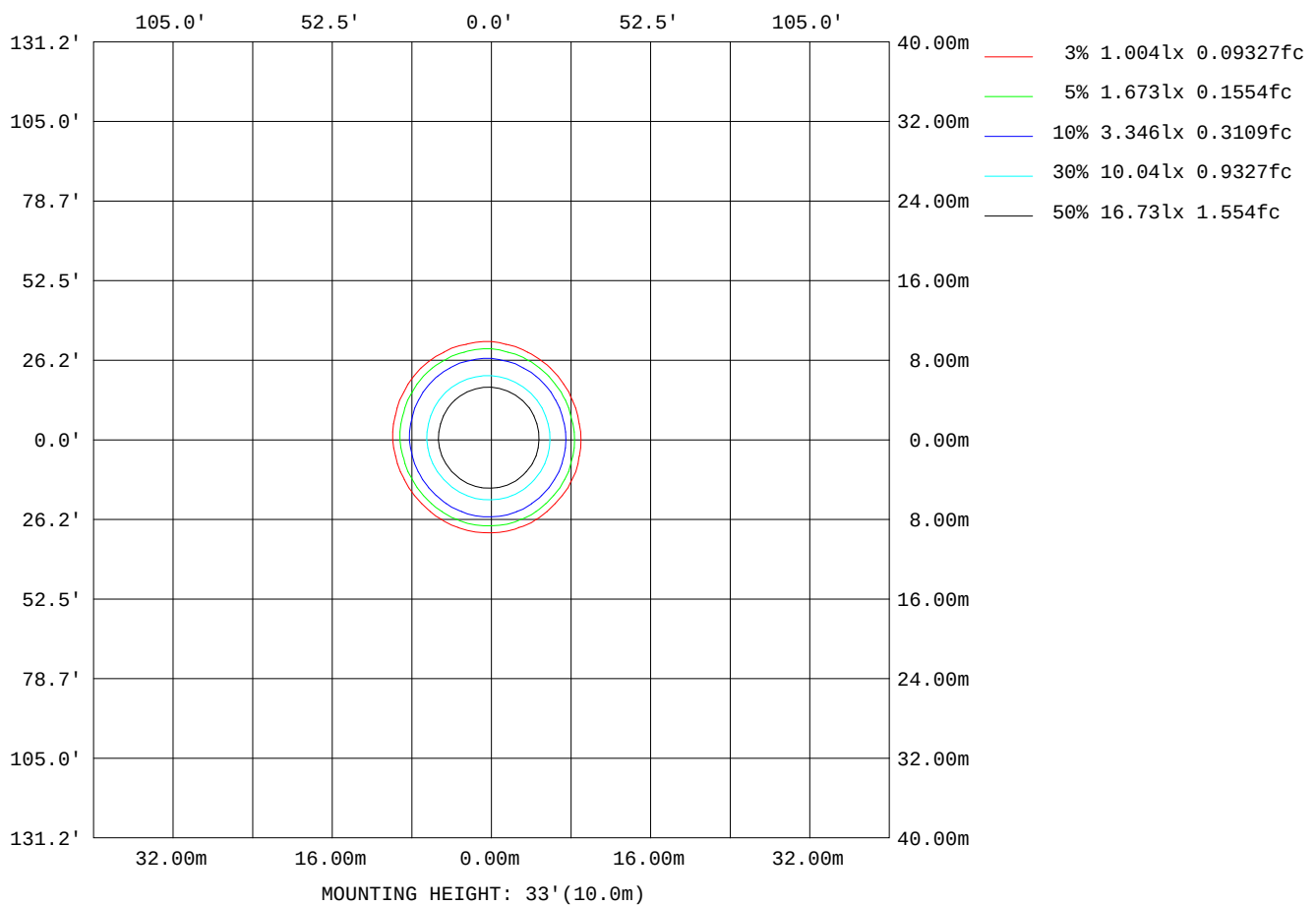
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-03-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.69V I:0.1584A P:34.576W PF:0.9462 Freq:49.99Hz Lamp Flux:3315.88x1 lm		
NAME: BJ35-BKTC35C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-03-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.69V I:0.1584A P:34.576W PF:0.9462 Freq:49.99Hz Lamp Flux:3315.88x1 lm		
NAME: BJ35-BKTC35C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:

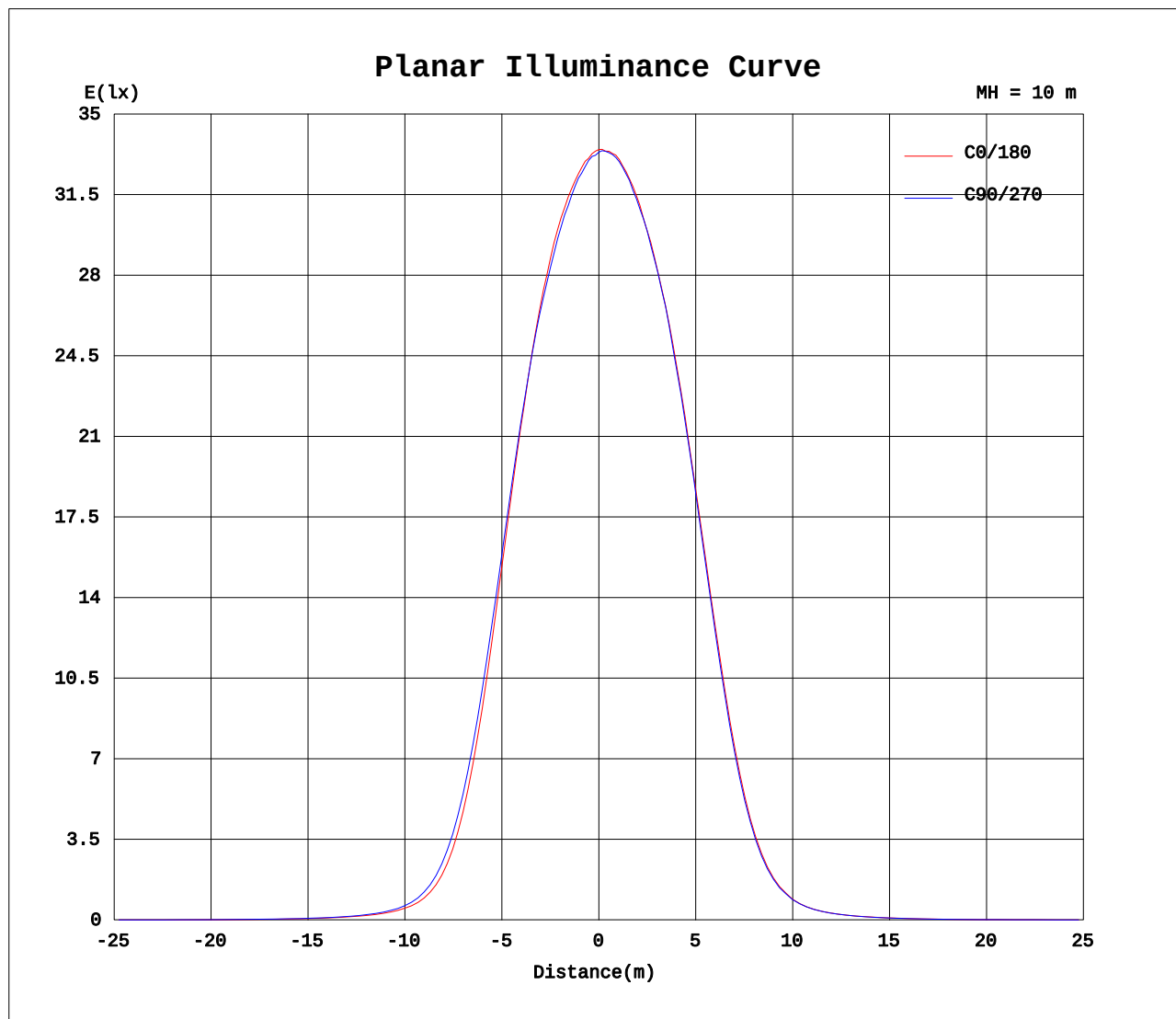
AvgL	cd/m2
L_0~180(65)av	6484
L_0~180(75)av	621
L_0~180(85)av	421
L_90~270(65)av	6900
L_90~270(75)av	613
L_90~270(85)av	440
L_45(65)av	6711
L_45(75)av	625
L_45(85)av	411

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-03-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2025-03-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 7.880m [K=1.0000]
 Remarks:

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

```