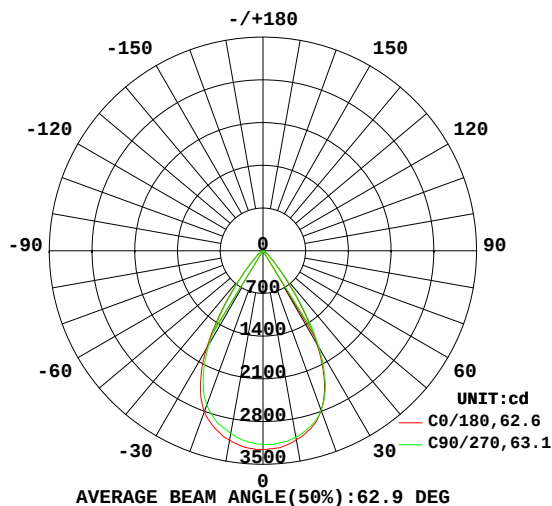


LUMINAIRE PHOTOMETRIC TEST REPORT

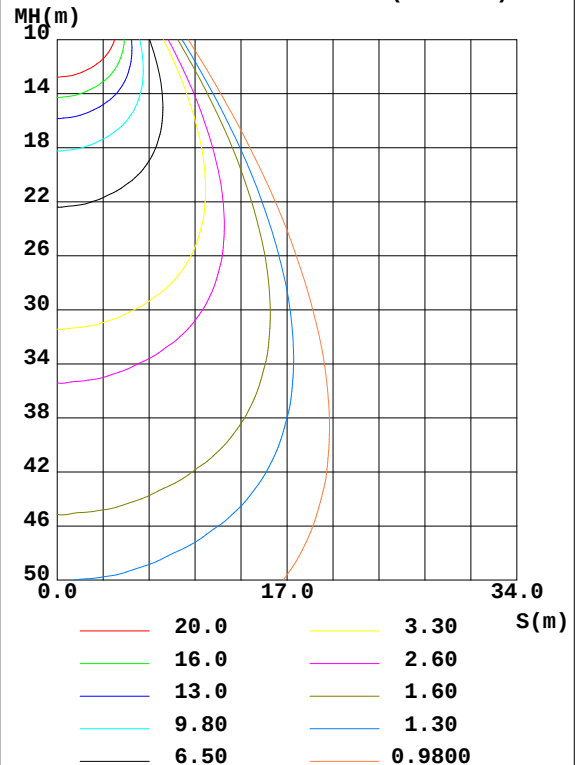
Test:U:230.59V I:0.1554A P:33.247W PF:0.9276 Freq:49.99Hz Lamp Flux:3207.52x1 lm		
NAME: BJ35-WHTC35C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.48 lm/W			
MODEL	TB25171211 3000K	I _{max} (cd)	3260	S/MH(C0/180)	0.93
NOMINAL POWER(W)	35	LOR(%)	100.0	S/MH(C90/270)	0.92
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	3207.5	η UP, DN(C0-180)	0.0, 50.2
NOMINAL FLUX(lm)	3207.52	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.8
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: 2024-08-09

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

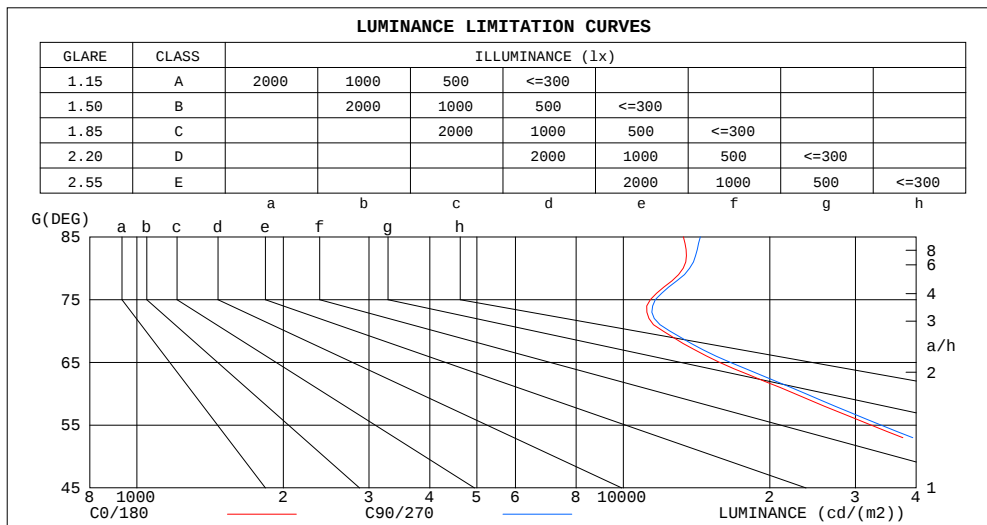
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3144	3137	3098	3067	3151	3103	3040	3057	0- 10	300.2	300.2	9.36, 9.36
20	2788	2779	2778	2733	2807	2736	2691	2723	10- 20	831.2	1131	35.3, 35.3
30	1776	1741	1843	1786	1854	1751	1767	1797	20- 30	1065	2197	68.5, 68.5
40	507.2	491.7	553.2	551.5	554.5	502.7	521.4	559.7	30- 40	684.2	2881	89.8, 89.8
50	125.2	122.5	131.8	133.8	132.8	123.7	125.5	133.2	40- 50	205.5	3086	96.2, 96.2
60	45.83	45.93	48.25	50.46	50.95	48.51	47.74	47.89	50- 60	72.28	3159	98.5, 98.5
70	16.79	16.76	17.33	18.46	19.14	18.31	17.75	17.02	60- 70	29.82	3188	99.4, 99.4
80	9.381	9.349	9.670	10.29	10.41	9.960	9.751	9.272	70- 80	13.52	3202	99.8, 99.8
90	0.3899	0.3629	0.3745	0.4092	0.3860	0.2548	0.1274	0.1197	80- 90	5.579	3208	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: 2024-08-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 7.450m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.59V I:0.1554A P:33.247W PF:0.9276 Freq:49.99Hz Lamp Flux:3207.52x1 lm		
NAME: BJ35-WHTC35C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	13289	14399
80	13273	13682
75	11370	11639
70	12062	12451
65	15760	16579
60	22522	23709
55	32283	33844
50	47842	50384
45	80606	87290

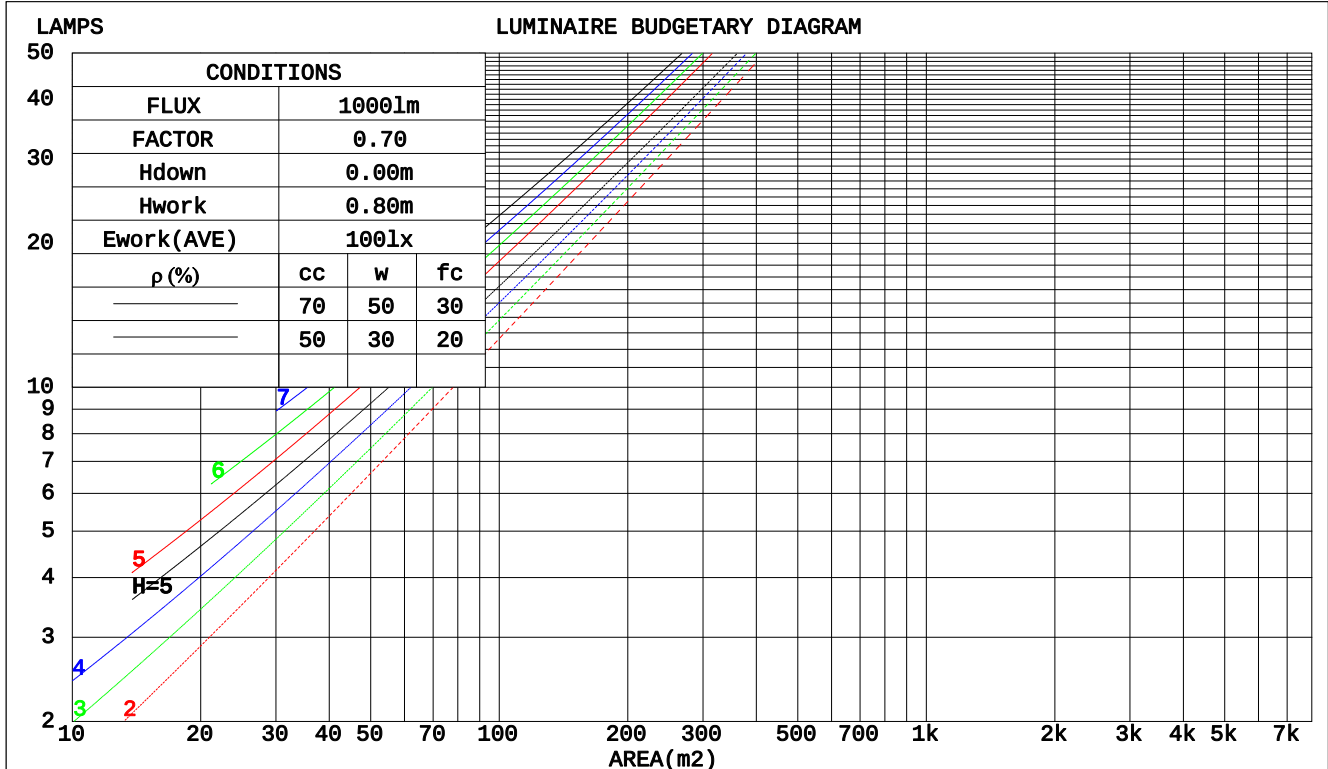
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2024-08-09

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.59V I:0.1554A P:33.247W PF:0.9276 Freq:49.99Hz Lamp Flux:3207.52x1 lm		
NAME: BJ35-WHTC35C02	TYPE:	WEIGHT:
SPEC.: white 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			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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.02	.98	.94	1.00	.97	.93	.97	.94	.91	.94	.92	.89	.91	.89	.88	.86
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.88	.85	.82	.86	.83	.81	.79
4.0	.88	.83	.78	.87	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74
5.0	.83	.76	.72	.82	.76	.72	.80	.75	.71	.78	.74	.70	.76	.73	.70	.68
6.0	.77	.71	.67	.76	.71	.66	.75	.70	.66	.73	.69	.65	.72	.68	.65	.64
7.0	.72	.66	.62	.72	.66	.62	.70	.65	.61	.69	.65	.61	.68	.64	.61	.59
8.0	.68	.62	.58	.67	.62	.58	.66	.61	.57	.65	.61	.57	.64	.60	.57	.55
9.0	.64	.58	.54	.64	.58	.54	.63	.57	.54	.62	.57	.53	.61	.56	.53	.52
10.0	.60	.55	.51	.60	.54	.50	.59	.54	.50	.58	.54	.50	.58	.53	.50	.49



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2024-08-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.59V I:0.1554A P:33.247W PF:0.9276 Freq:49.99Hz Lamp Flux:3207.52x1 lm					
NAME: BJ35-WHTC35C02			TYPE:		WEIGHT:
SPEC.: white 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	.186	.106	.034	.180	.103	.033	.167	.096	.031	.155	.090	.029	.145	.084	.027		
2.0	.179	.098	.030	.173	.095	.029	.162	.090	.028	.152	.085	.027	.143	.081	.026		
3.0	.170	.090	.027	.165	.088	.027	.156	.085	.026	.148	.081	.025	.140	.077	.024		
4.0	.162	.084	.025	.158	.082	.024	.150	.079	.024	.142	.076	.023	.135	.074	.022		
5.0	.154	.078	.023	.150	.077	.022	.143	.075	.022	.137	.072	.022	.131	.070	.021		
6.0	.147	.074	.021	.144	.073	.021	.137	.070	.021	.132	.068	.020	.126	.067	.020		
7.0	.140	.069	.020	.137	.068	.019	.132	.067	.019	.127	.065	.019	.122	.063	.019		
8.0	.134	.065	.018	.131	.065	.018	.127	.063	.018	.122	.062	.018	.118	.060	.018		
9.0	.128	.062	.017	.126	.061	.017	.122	.060	.017	.118	.059	.017	.114	.058	.017		
10.0	.123	.059	.016	.121	.058	.016	.117	.057	.016	.113	.056	.016	.110	.055	.016		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.112	.135	.114	.097	.092	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.145	.114	.088	.125	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.135	.099	.071	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.008	
5.0	.127	.088	.059	.109	.076	.051	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.120	.078	.049	.103	.068	.042	.071	.048	.030	.041	.028	.018	.013	.009	.006	
7.0	.113	.071	.041	.097	.061	.036	.067	.043	.025	.039	.025	.015	.013	.008	.005	
8.0	.108	.065	.035	.093	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.103	.060	.031	.088	.052	.027	.061	.036	.019	.036	.021	.011	.012	.007	.004	
10.0	.098	.055	.027	.084	.048	.023	.059	.034	.017	.034	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2024-08-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.59V I:0.1554A P:33.247W PF:0.9276 Freq:49.99Hz Lamp Flux:3207.52x1 lm										
NAME: BJ35-WHTC35C02					TYPE:			WEIGHT:		
SPEC.: white 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	20.0	21.0	20.2	21.1	21.3	20.3	21.3	20.5	21.5	21.7
3H	19.9	20.8	20.1	21.0	21.2	20.2	21.1	20.5	21.3	21.5
4H	19.8	20.7	20.1	20.9	21.1	20.2	21.0	20.4	21.3	21.5
6H	19.8	20.6	20.1	20.8	21.1	20.1	20.9	20.4	21.2	21.4
8H	19.8	20.5	20.1	20.8	21.1	20.1	20.9	20.4	21.1	21.4
12H	19.7	20.5	20.1	20.7	21.0	20.1	20.8	20.4	21.1	21.4
4H 2H	19.8	20.6	20.1	20.9	21.1	20.1	21.0	20.4	21.2	21.4
3H	19.7	20.4	20.0	20.7	21.0	20.0	20.8	20.4	21.1	21.3
4H	19.7	20.3	20.0	20.6	21.0	20.0	20.7	20.4	21.0	21.3
6H	19.7	20.3	20.0	20.6	20.9	20.0	20.6	20.4	20.9	21.3
8H	19.7	20.2	20.1	20.6	20.9	20.0	20.5	20.4	20.9	21.3
12H	19.7	20.2	20.1	20.5	20.9	20.0	20.5	20.4	20.9	21.2
8H 4H	19.6	20.1	20.0	20.5	20.8	19.9	20.4	20.3	20.8	21.2
6H	19.6	20.0	20.0	20.4	20.9	19.9	20.4	20.3	20.8	21.2
8H	19.6	20.0	20.1	20.4	20.9	19.9	20.3	20.4	20.7	21.2
12H	19.6	20.0	20.1	20.4	20.9	20.0	20.3	20.4	20.7	21.2
12H 4H	19.5	20.0	19.9	20.4	20.8	19.9	20.4	20.3	20.7	21.1
6H	19.6	20.0	20.0	20.4	20.8	19.9	20.3	20.3	20.7	21.1
8H	19.6	19.9	20.1	20.4	20.8	19.9	20.3	20.4	20.7	21.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.9 / - 4.8					+ 2.9 / - 5.0				
1.5H	+ 4.8 / - 3.9					+ 4.9 / - 4.2				
2.0H	+ 3.7 / - 2.4					+ 4.0 / - 2.6				

CIE Pub.117, 3208 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.0)
Area: 0.00407 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2024-08-09

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.59V I:0.1554A P:33.247W PF:0.9276 Freq:49.99Hz Lamp Flux:3207.52x1 lm		
NAME: BJ35-WHTC35C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:

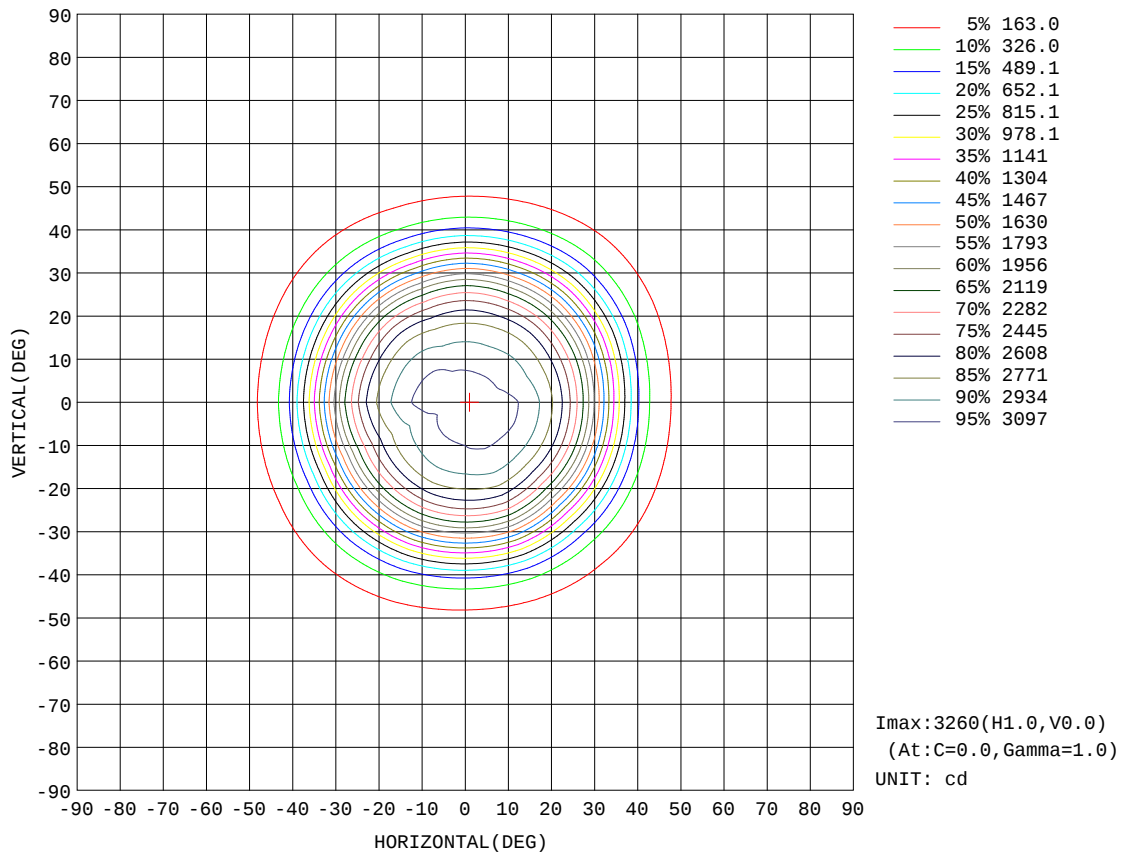
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	85	78	74	84	78	74	70
0.80	93	87	83	92	86	83	91	86	82	78
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	101	96	92	99	95	92	87
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	104	100	98	92
2.50	110	106	102	108	104	102	105	102	100	94
3.00	111	108	105	109	106	104	106	104	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	112	110	109	108	107	106	98
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:2024-08-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.59V I:0.1554A P:33.247W PF:0.9276 Freq:49.99Hz Lamp Flux:3207.52x1 lm		
NAME: BJ35-WHTC35C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:



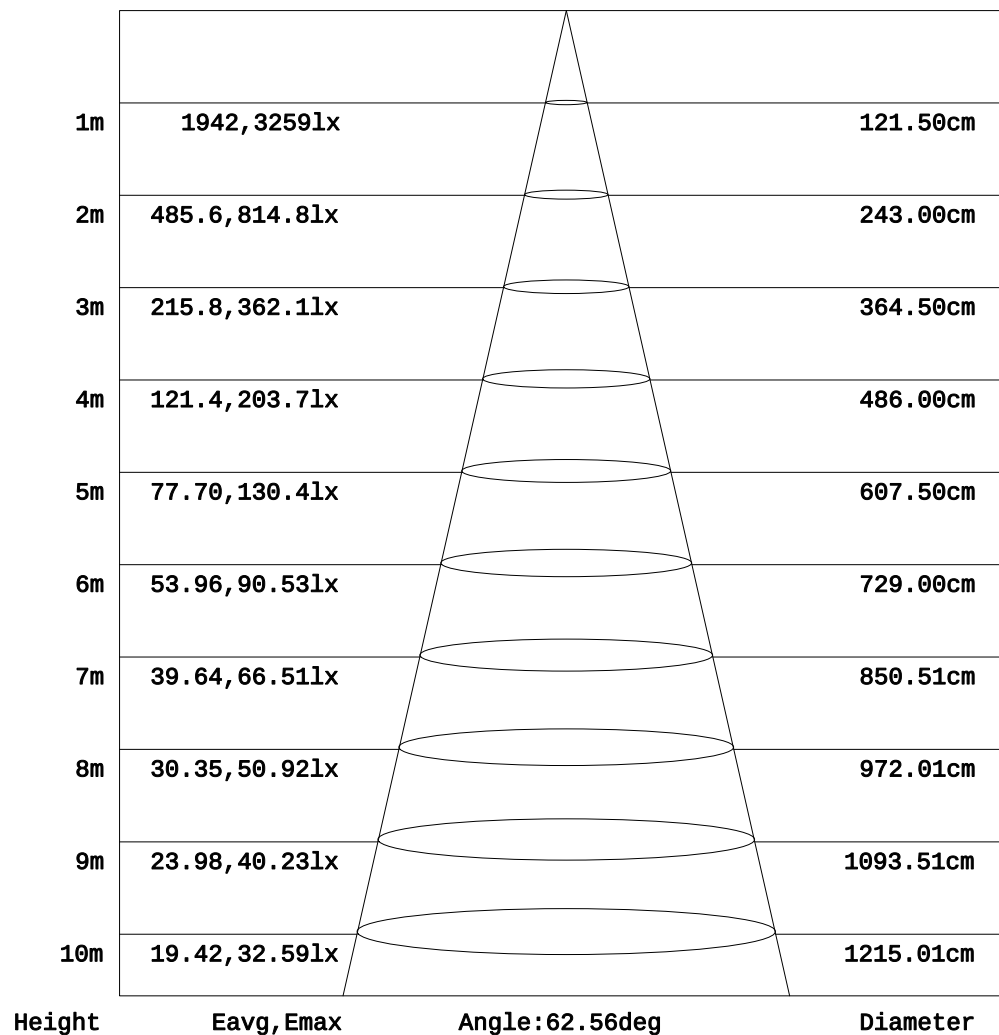
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2024-08-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.59V I:0.1554A P:33.247W PF:0.9276 Freq:49.99Hz Lamp Flux:3207.52x1 lm		
NAME: BJ35-WHTC35C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:

Flux out:2383 lm



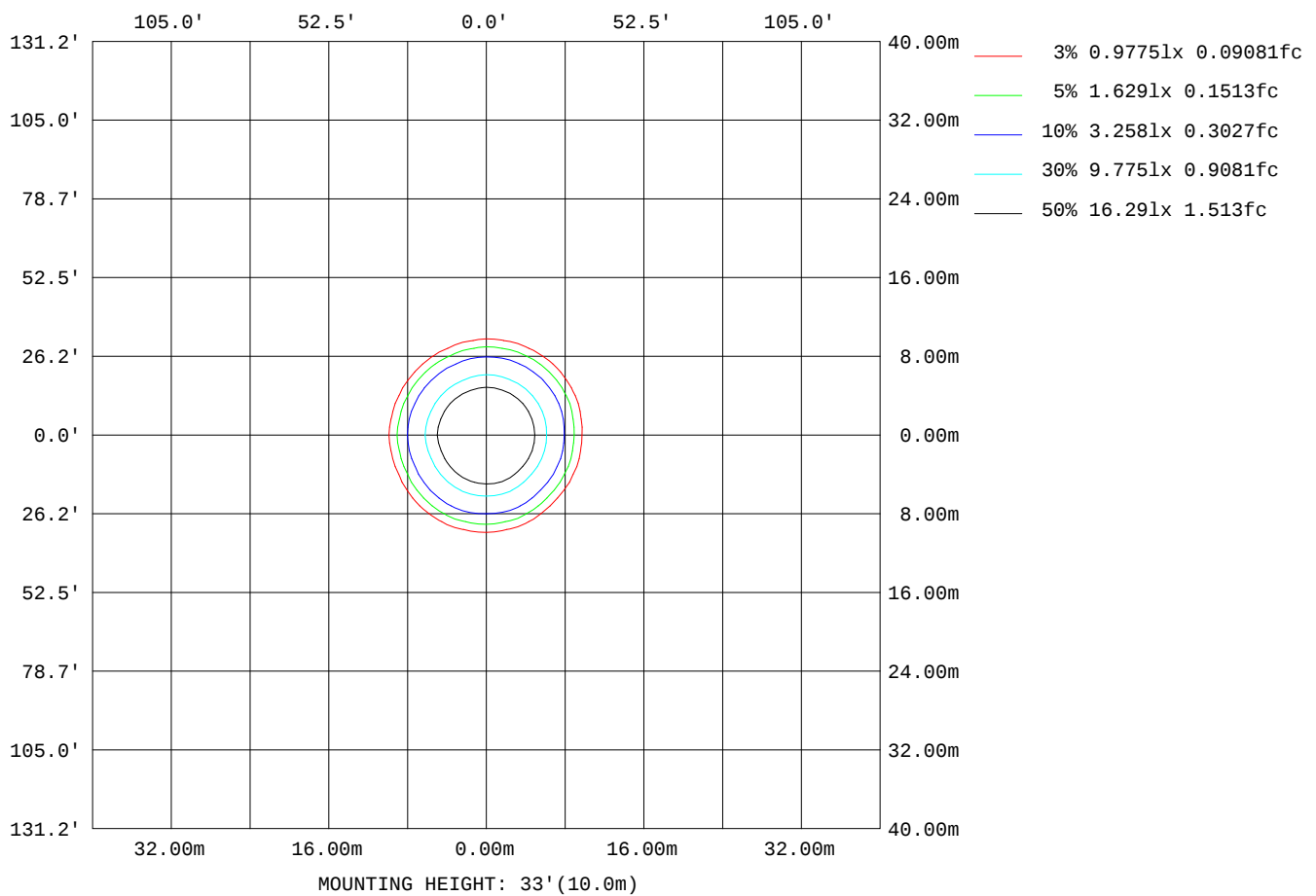
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2024-08-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 7.450m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.59V I:0.1554A P:33.247W PF:0.9276 Freq:49.99Hz Lamp Flux:3207.52x1 lm		
NAME: BJ35-WHTC35C02	TYPE:	WEIGHT:
SPEC.: white 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: 2024-08-09

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.59V I:0.1554A P:33.247W PF:0.9276 Freq:49.99Hz Lamp Flux:3207.52x1 lm		
NAME: BJ35-WHTC35C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 72mm	Shielding Angle:

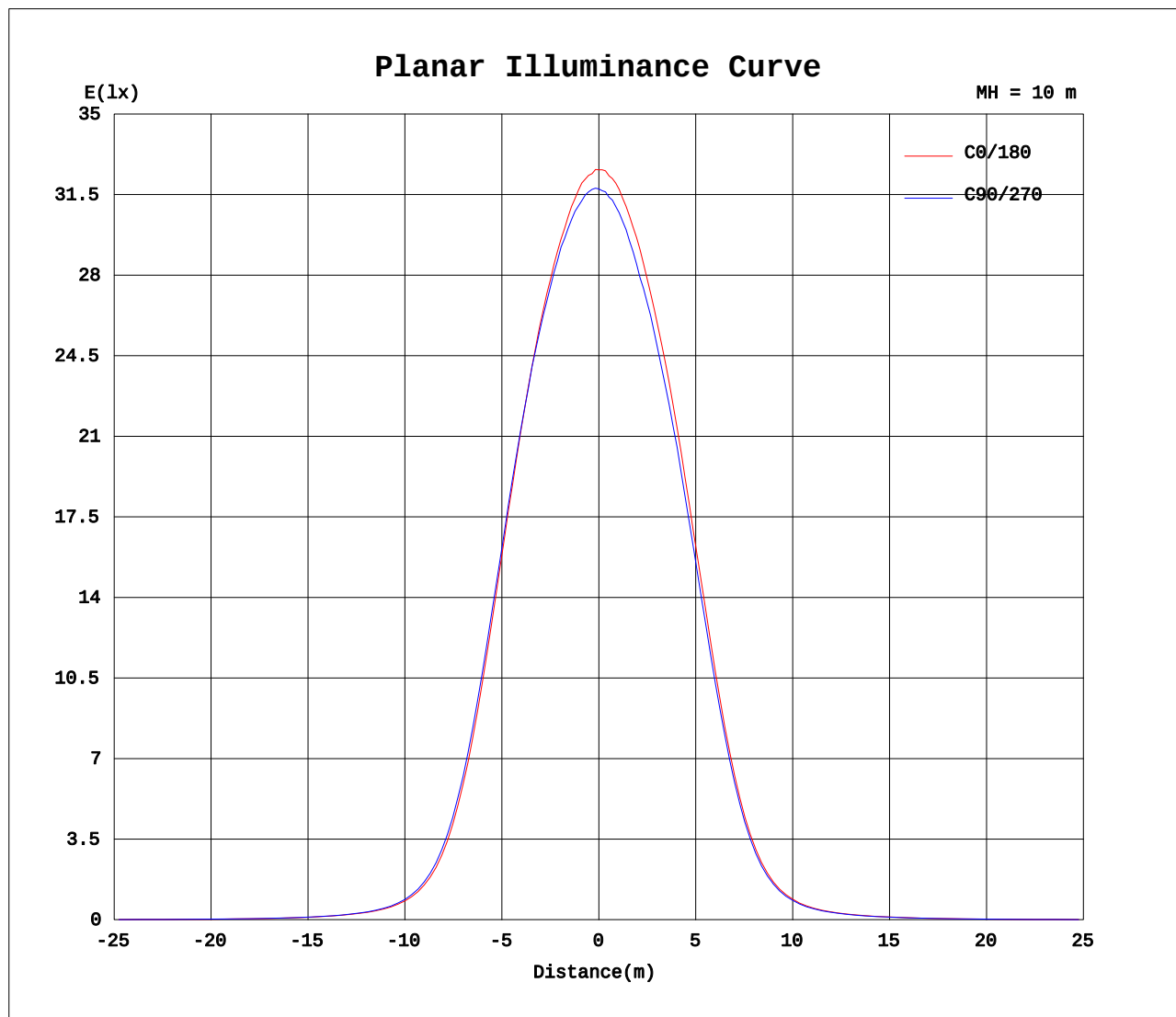
AvgL	cd/m2
L_0~180(65)av	16898
L_0~180(75)av	11912
L_0~180(85)av	14957
L_90~270(65)av	16690
L_90~270(75)av	11620
L_90~270(85)av	14593
L_45(65)av	16758
L_45(75)av	11626
L_45(85)av	14645

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2024-08-09

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2024-08-09

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 7.450m [K=1.0000]
 Remarks:

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

```