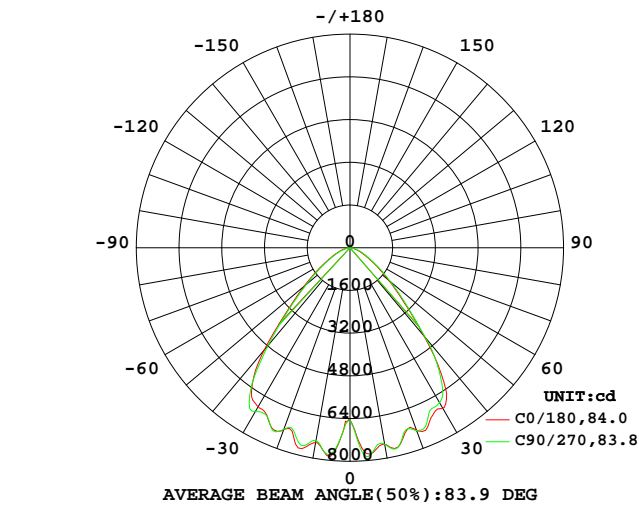


## LUMINAIRE PHOTOMETRIC TEST REPORT

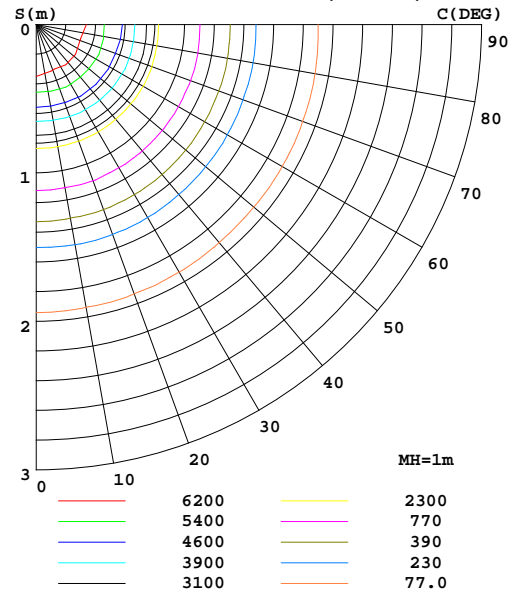
Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm		
NAME: ECOHB200LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.03 lm/W			
MODEL	1	Imax(cd)	7931	S/MH(C0/180)	1.25
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	14446	$\eta$ UP,DN(C0-180)	0.0,50.5
NOMINAL FLUX(lm)	14445.5	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,49.5
LAMPS INSIDE	1	$\eta$ up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	240	$\eta$ down(%)	99.9	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:01  
Test Date:2023-03-02

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	7414	7395	7329	7344	7479	7390	7467	7393	0- 10	718.8	718.8	4.98,4.98
20	7255	7191	7228	7324	7259	7305	7286	7138	10- 20	2091	2810	19.5,19.5
30	6877	7017	7086	7137	6936	6778	6705	6697	20- 30	3284	6094	42.2,42.2
40	4994	4985	4762	4421	4320	4189	4400	4806	30- 40	3780	9874	68.4,68.4
50	2242	2174	2132	1919	1894	1893	1992	2129	40- 50	2397	12271	84.9,84.9
60	996.8	959.7	925.5	827.2	824.7	848.8	893.3	1000	50- 60	1259	13530	93.7,93.7
70	454.2	416.5	383.7	329.4	348.9	376.2	411.3	463.8	60- 70	609.8	14139	97.9,97.9
80	139.5	112.7	89.67	69.04	79.83	96.26	121.8	148.9	70- 80	250.8	14390	99.6,99.6
90	8.153	5.155	7.179	8.698	8.656	7.036	6.930	9.224	80- 90	44.71	14435	99.9,99.9
100	10.16	9.362	8.717	0.0276	0	0.0312	9.845	10.03	90-100	9.848	14445	100,100
110	0	0	0	0	0	0	0	0	100-110	0.7966	14446	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14446	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14446	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14446	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14446	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14446	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14446	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14446	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11262 lm

%lum = 78.0%

%lamp = 78.0%

Conical surface Flux(120deg): 13530 lm

%lum = 93.7%

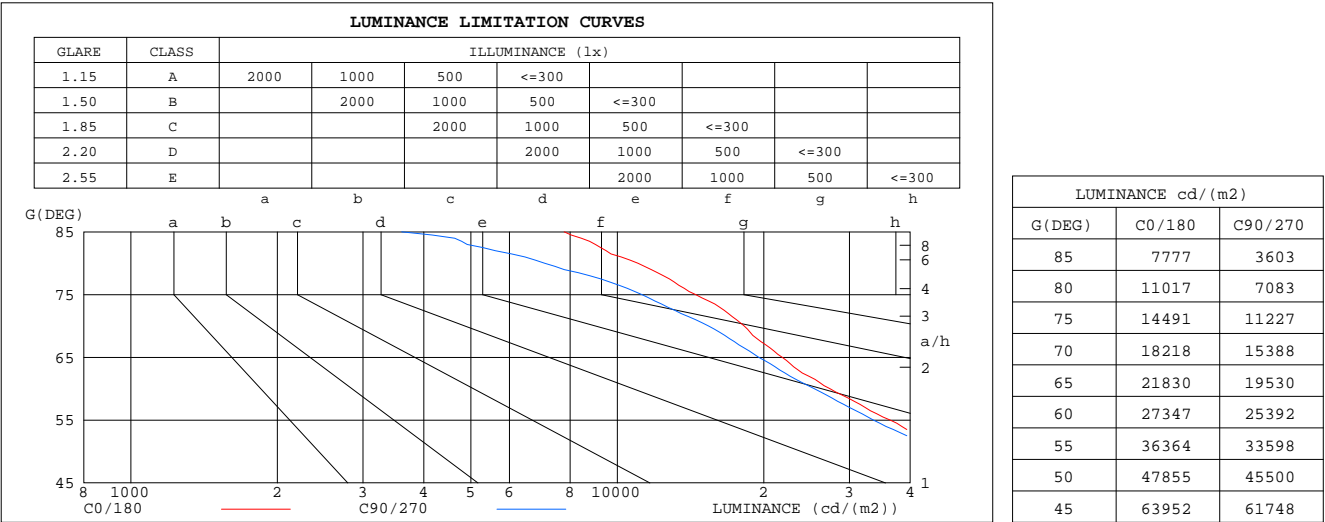
%lamp = 93.7%

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2023-03-02

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 0.5DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm		
NAME: ECOHB200LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



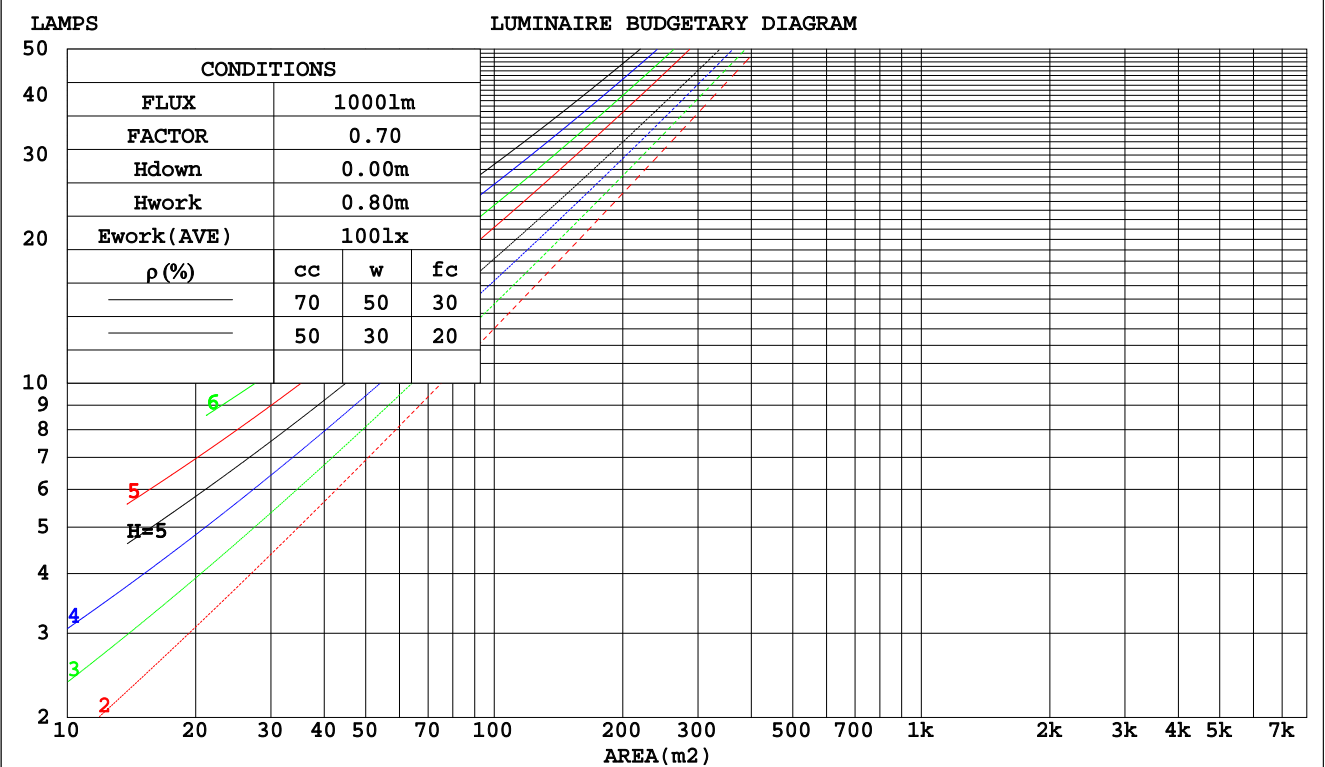
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:01  
Test Date:2023-03-02

γ Range: 0 - 100DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm		
NAME: ECOHB200LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

pcc	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															



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:01  
Test Date:2023-03-02

γ Range: 0 - 100DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm					
NAME: ECOHB200LSE5G7 with wireguard			TYPE:Highbay		WEIGHT:
SPEC.:DIP100W			DIM.: D330		SERIAL No.:
MFR.: Eastfield			SUR.:D270		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	.231	.131	.042	.224	.128	.041	.211	.121	.039	.199	.115	.037	.188	.109	.035	
2.0	.224	.123	.038	.218	.120	.037	.207	.115	.036	.197	.110	.035	.187	.106	.033	
3.0	.213	.114	.034	.208	.111	.034	.198	.108	.033	.189	.104	.032	.181	.100	.031	
4.0	.202	.105	.031	.197	.103	.031	.189	.100	.030	.181	.097	.029	.174	.094	.029	
5.0	.191	.097	.028	.187	.096	.028	.179	.093	.027	.172	.091	.027	.166	.089	.027	
6.0	.180	.090	.026	.177	.089	.026	.170	.087	.025	.164	.085	.025	.158	.083	.025	
7.0	.171	.084	.024	.168	.083	.024	.162	.082	.024	.156	.080	.023	.151	.078	.023	
8.0	.162	.079	.022	.159	.078	.022	.154	.077	.022	.148	.075	.022	.144	.074	.021	
9.0	.154	.074	.021	.151	.074	.021	.146	.072	.020	.142	.071	.020	.137	.070	.020	
10.0	.146	.070	.019	.144	.069	.019	.139	.068	.019	.135	.067	.019	.131	.066	.019	

pcc	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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.175	.157	.141	.150	.135	.121	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.133	.107	.140	.114	.092	.096	.079	.064	.055	.046	.038	.018	.015	.012	
3.0	.154	.114	.083	.132	.099	.072	.091	.069	.050	.052	.040	.030	.017	.013	.010	
4.0	.146	.101	.066	.125	.087	.057	.086	.061	.040	.050	.035	.024	.016	.012	.008	
5.0	.138	.090	.054	.119	.078	.047	.082	.054	.033	.047	.032	.020	.015	.010	.006	
6.0	.132	.081	.045	.113	.070	.039	.078	.049	.027	.045	.029	.016	.015	.009	.005	
7.0	.125	.074	.038	.108	.064	.033	.075	.045	.023	.043	.026	.014	.014	.009	.005	
8.0	.120	.068	.032	.103	.059	.028	.071	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.114	.063	.028	.099	.055	.025	.068	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.109	.059	.025	.094	.051	.022	.065	.036	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2023-03-02

γ Range: 0 - 100DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm										
NAME: ECOHB200LSE5G7 with wireguard					TYPE:Highbay			WEIGHT:		
SPEC.:DIP100W					DIM.: D330			SERIAL No.:		
MFR.: Eastfield					SUR.:D270			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	24.9	26.1	25.1	26.3	26.5	24.6	25.9	24.9	26.1	26.3
3H	25.1	26.3	25.4	26.5	26.7	24.9	26.0	25.2	26.2	26.5
4H	25.2	26.3	25.5	26.5	26.8	24.9	26.0	25.2	26.2	26.5
6H	25.2	26.3	25.6	26.5	26.8	24.9	25.9	25.2	26.2	26.4
8H	25.2	26.2	25.6	26.5	26.8	24.8	25.8	25.2	26.1	26.4
12H	25.2	26.1	25.5	26.4	26.7	24.8	25.7	25.1	26.0	26.3
4H 2H	24.9	26.0	25.2	26.2	26.4	24.7	25.8	25.0	26.0	26.3
3H	25.3	26.2	25.6	26.5	26.8	25.0	26.0	25.4	26.3	26.6
4H	25.4	26.3	25.8	26.6	26.9	25.1	26.0	25.5	26.3	26.6
6H	25.5	26.3	25.9	26.6	27.0	25.2	25.9	25.5	26.2	26.6
8H	25.5	26.2	25.9	26.6	27.0	25.1	25.8	25.5	26.2	26.6
12H	25.5	26.1	25.9	26.5	26.9	25.1	25.7	25.5	26.1	26.5
8H 4H	25.4	26.1	25.8	26.5	26.8	25.1	25.8	25.5	26.2	26.5
6H	25.5	26.1	26.0	26.5	26.9	25.2	25.7	25.6	26.1	26.6
8H	25.6	26.1	26.0	26.5	26.9	25.2	25.7	25.6	26.1	26.5
12H	25.6	26.0	26.0	26.4	26.9	25.1	25.6	25.6	26.0	26.5
12H 4H	25.4	26.0	25.8	26.4	26.8	25.1	25.7	25.5	26.1	26.5
6H	25.5	26.0	26.0	26.4	26.9	25.2	25.6	25.6	26.1	26.5
8H	25.5	26.0	26.0	26.4	26.9	25.1	25.6	25.6	26.0	26.5
Variations with the observer position at spacings:										
S = 1.0H	+ 1.1 / - 1.7					+ 1.2 / - 1.9				
1.5H	+ 1.5 / - 1.2					+ 1.6 / - 1.3				
2.0H	+ 2.3 / - 1.9					+ 2.3 / - 1.9				

CIE Pub.117, 14446 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 9.3$ )  
Area: 0.0729 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:01  
Test Date:2023-03-02

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm		
NAME: ECOHB200LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

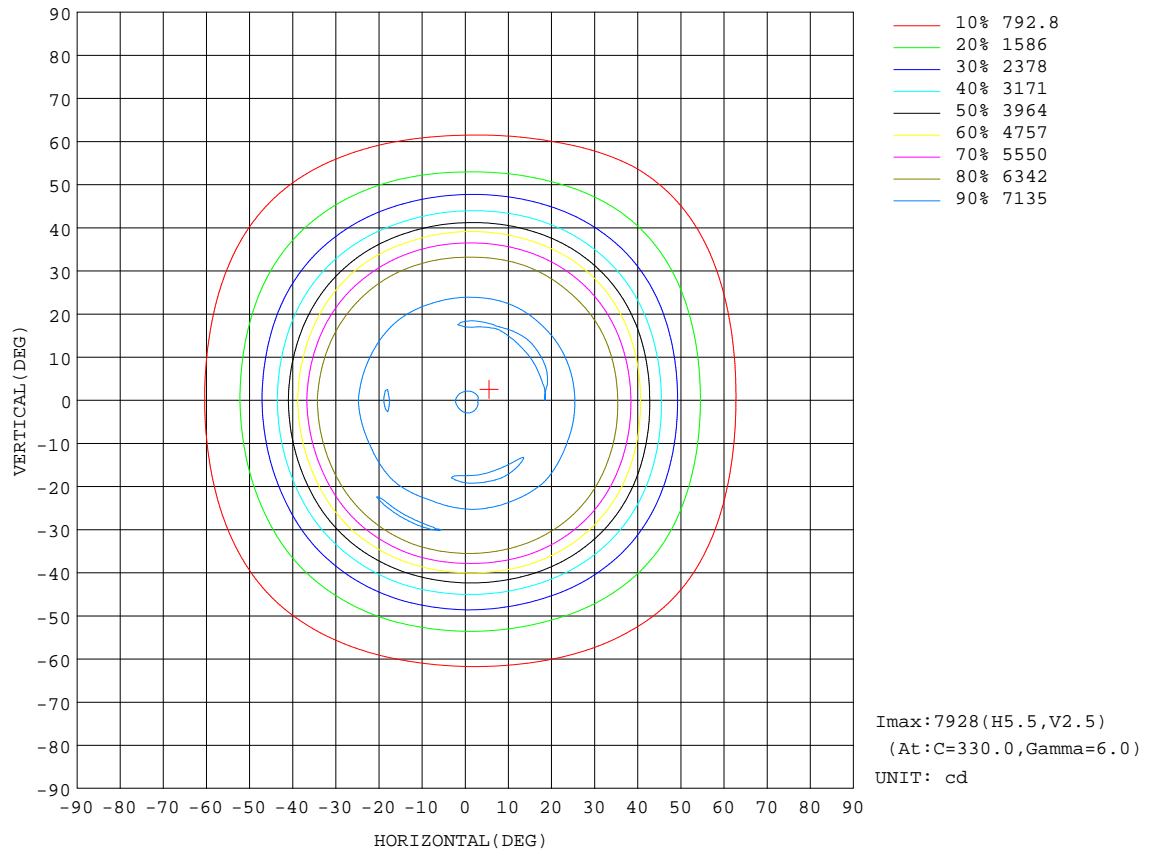
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	62	57	71	62	57	70	62	57	52
0.80	81	72	67	80	72	67	79	71	66	61
1.00	88	80	75	87	79	74	85	80	74	68
1.25	94	86	81	93	86	81	91	85	80	75
1.50	98	91	86	97	90	86	94	89	84	79
2.00	103	97	92	101	96	92	98	94	90	84
2.50	105	100	96	104	99	95	100	96	93	86
3.00	108	103	99	106	101	98	102	99	96	89
4.00	111	107	103	108	105	102	104	102	99	91
5.00	112	109	106	110	107	104	106	103	101	93
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2023-03-02

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm		
NAME: ECOHB200LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



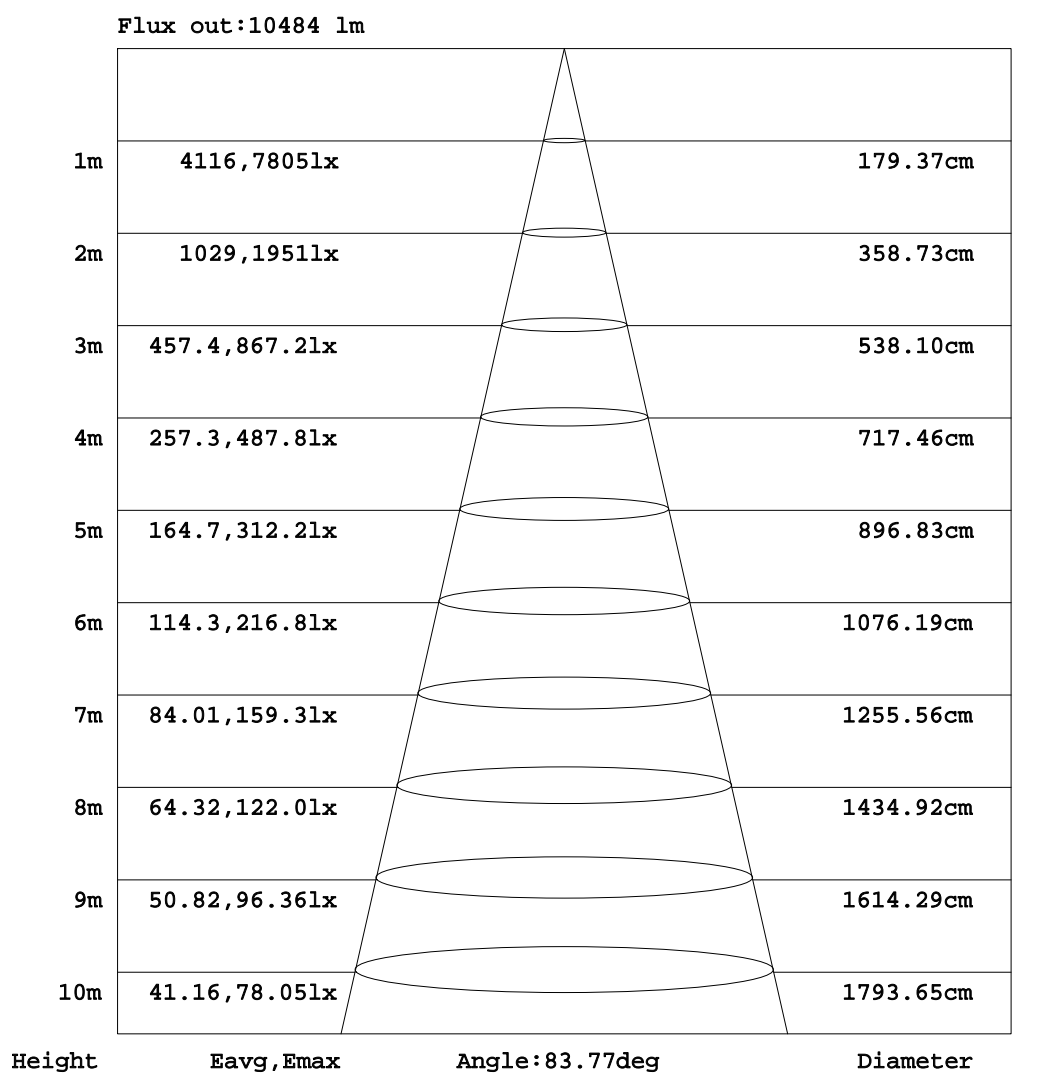
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: 01  
Test Date: 2023-03-02

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity: 65.0%  
Test Distance: 8.750m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm		
NAME: ECOHB200LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



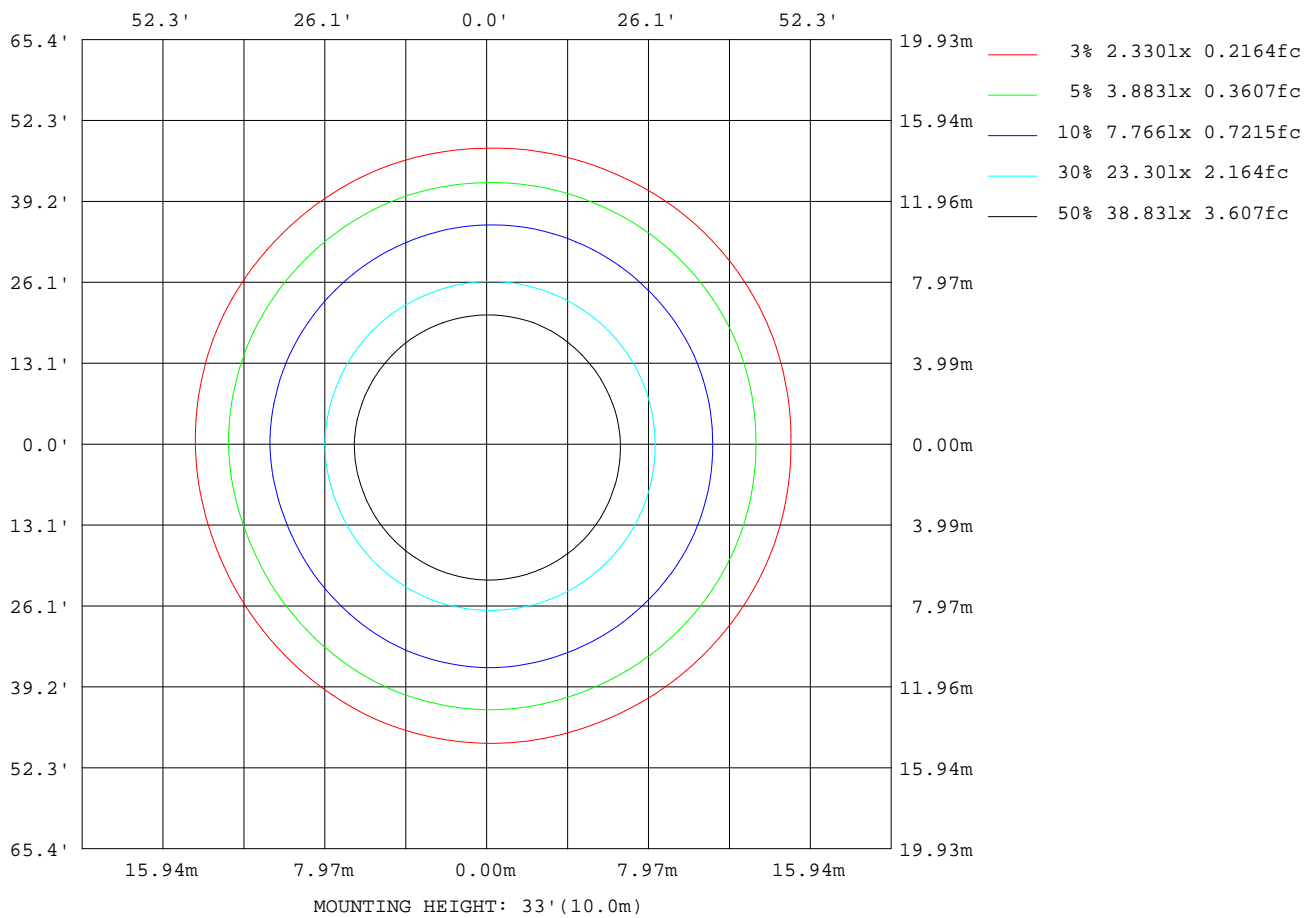
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2023-03-02

γ Range: 0 - 100DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm		
NAME: ECOHB200LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: 01  
Test Date: 2023-03-02

γ Range: 0 - 100DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity: 65.0%  
Test Distance: 8.750m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm		
NAME: ECOHB200LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

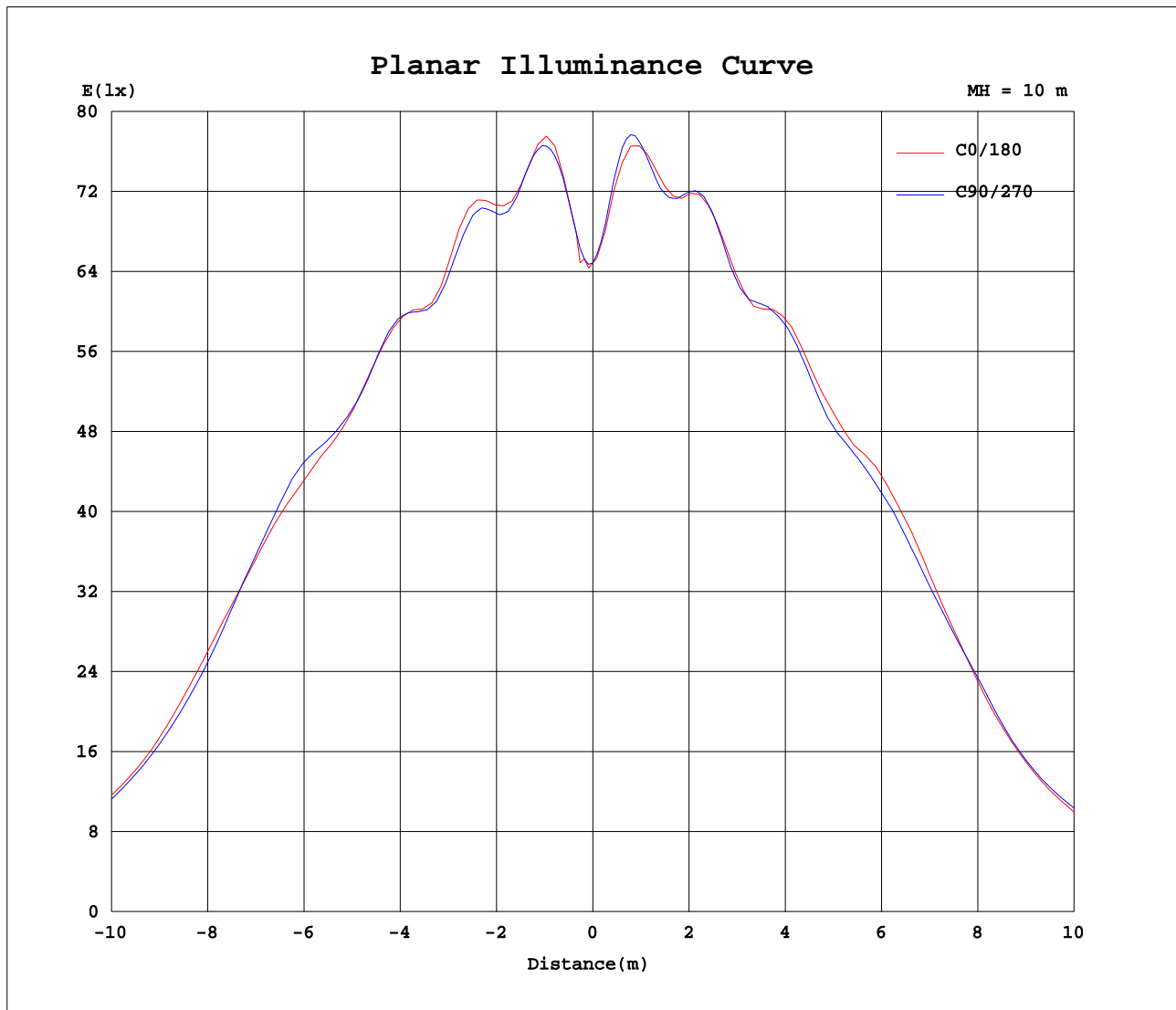
AvgL	cd/m2
L_0~180(65)av	19592
L_0~180(75)av	12257
L_0~180(85)av	5347
L_90~270(65)av	19469
L_90~270(75)av	12187
L_90~270(85)av	5160
L_45(65)av	19479
L_45(75)av	12324
L_45(85)av	5061

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2023-03-02

γ Range: 0 - 100DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: 01  
Test Date: 2023-03-02

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity: 65.0%  
Test Distance: 8.750m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm																		
NAME: ECOHB200LSE5G7 with wireguard									TYPE:Highbay					WEIGHT:				
SPEC.:DIP100W									DIM.: D330					SERIAL No.:				
MFR.: Eastfield									SUR.:D270					Shielding Angle:				

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487
5	7794	7777	7764	7755	7755	7764	7779	7778	7757	7748	7720	7706	7688	7674	7664	7669	7686	7700	7710
10	7414	7416	7418	7418	7417	7418	7414	7413	7407	7395	7381	7372	7357	7353	7347	7341	7329	7324	7329
15	7689	7678	7665	7651	7636	7625	7616	7610	7602	7588	7570	7548	7529	7526	7536	7546	7553	7557	7519
20	7255	7257	7260	7265	7270	7258	7242	7227	7211	7191	7181	7168	7158	7158	7175	7190	7204	7217	7228
25	7188	7196	7202	7206	7208	7217	7229	7241	7254	7259	7254	7246	7235	7223	7215	7206	7197	7185	7163
30	6877	6897	6918	6938	6958	6972	6983	6996	7009	7017	7014	7012	7013	7018	7029	7042	7056	7071	7086
35	6411	6430	6446	6460	6472	6491	6510	6528	6542	6551	6554	6555	6551	6548	6536	6524	6512	6500	6486
40	4994	5012	5026	5036	5041	5040	5031	5018	5002	4985	4976	4964	4949	4931	4898	4862	4828	4794	4762
45	3297	3315	3330	3342	3350	3344	3329	3311	3291	3272	3263	3252	3240	3228	3222	3216	3209	3200	3183
50	2242	2245	2247	2246	2243	2234	2221	2206	2189	2174	2167	2158	2147	2135	2133	2135	2136	2137	2132
55	1521	1522	1522	1521	1519	1511	1499	1485	1471	1458	1451	1445	1437	1429	1424	1421	1416	1413	1405
60	997	998	998	997	995	990	983	976	968	960	957	954	951	946	943	939	935	931	926
65	673	669	666	661	657	652	647	642	636	631	630	627	625	621	618	615	611	607	602
70	454	449	444	438	431	427	425	423	420	416	413	410	407	403	400	397	393	388	384
75	273	270	266	262	257	253	250	247	244	241	238	235	232	229	225	222	219	215	212
80	139	137	135	132	129	126	123	120	116	113	110	108	105	102	99.4	96.9	94.4	92.0	89.7
85	49.4	48.4	47.2	45.9	44.5	42.8	40.9	38.8	36.8	34.7	33.5	32.3	31.0	29.7	28.5	27.4	26.1	24.6	22.9
90	8.15	7.87	7.55	7.22	6.87	6.53	6.20	5.86	5.51	5.15	5.08	5.25	5.44	5.67	5.98	6.32	6.64	6.93	7.18
95	9.76	9.77	9.79	9.81	9.85	9.82	9.74	9.62	9.50	9.34	9.30	9.26	9.25	9.27	9.29	9.31	9.30	9.30	9.25
100	10.2	10.2	10.1	10.1	10.1	10.0	9.86	9.71	9.54	9.36	9.35	9.31	9.28	9.24	9.16	9.06	8.92	8.41	8.72
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2023-03-02

γ Range: 0 - 100DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm		
NAME: ECOHB200LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487
5	7721	7731	7741	7748	7759	7769	7766	7751	7741	7719	7704	7685	7689	7700	7711	7722	7733	7744	7748
10	7337	7340	7341	7349	7355	7360	7363	7359	7344	7337	7327	7317	7318	7350	7383	7416	7448	7479	7479
15	7479	7446	7416	7401	7397	7393	7388	7385	7377	7369	7361	7354	7350	7374	7403	7433	7465	7498	7503
20	7241	7250	7258	7267	7282	7295	7308	7319	7324	7322	7319	7314	7309	7299	7290	7280	7270	7259	7258
25	7139	7111	7085	7063	7074	7085	7099	7111	7110	7094	7080	7066	7055	7060	7071	7083	7096	7110	7087
30	7097	7110	7123	7135	7142	7146	7147	7151	7137	7114	7089	7068	7045	7022	6999	6978	6957	6936	6910
35	6464	6447	6432	6418	6386	6350	6317	6279	6244	6210	6175	6145	6115	6103	6102	6105	6113	6124	6089
40	4731	4697	4663	4629	4584	4540	4498	4460	4421	4376	4335	4298	4265	4258	4268	4281	4298	4320	4291
45	3158	3132	3108	3085	3038	2985	2934	2885	2841	2810	2782	2757	2733	2735	2752	2771	2793	2817	2805
50	2115	2099	2084	2069	2041	2008	1977	1947	1919	1900	1883	1866	1851	1849	1858	1868	1880	1894	1896
55	1395	1384	1374	1365	1347	1326	1305	1285	1267	1255	1245	1235	1226	1226	1232	1240	1249	1258	1264
60	916	907	897	888	875	862	849	838	827	820	815	810	806	807	811	815	819	825	824
65	596	590	584	580	572	562	552	542	533	527	522	517	512	513	517	523	528	535	536
70	379	374	369	364	357	349	342	335	329	328	327	327	327	329	334	338	343	349	351
75	208	205	201	197	193	189	185	181	177	176	175	175	174	176	179	182	185	189	191
80	87.6	85.2	83.0	80.7	78.3	75.8	73.4	71.1	69.0	68.2	67.6	67.1	66.9	68.1	70.8	73.6	76.6	79.8	81.3
85	21.3	19.7	18.1	16.7	15.4	14.2	13.2	12.7	12.0	12.0	12.2	12.2	12.4	13.2	14.5	15.8	17.1	18.5	19.4
90	7.39	7.59	7.77	7.93	8.08	8.23	8.40	8.56	8.70	8.83	8.94	9.03	9.12	9.10	8.99	8.88	8.77	8.66	8.56
95	9.39	9.54	9.70	9.86	10.0	10.2	10.4	10.5	10.7	10.6	10.4	10.4	10.3	10.3	10.4	10.5	10.6	10.8	10.8
100	7.43	6.40	5.27	4.17	3.14	2.16	1.36	0.71	0.03	0.14	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2023-03-02

γ Range: 0 - 100DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm																		
NAME: ECOHB200LSE5G7 with wireguard									TYPE:Highbay					WEIGHT:				
SPEC.:DIP100W									DIM.: D330					SERIAL No.:				
MFR.: Eastfield									SUR.:D270					Shielding Angle:				

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487
5	7752	7756	7761	7765	7774	7789	7802	7826	7840	7860	7862	7850	7839	7836	7837	7844	7849	7851	7848
10	7478	7477	7475	7471	7456	7437	7416	7390	7372	7392	7421	7447	7472	7491	7490	7482	7467	7451	7436
15	7510	7518	7528	7534	7519	7503	7489	7475	7463	7451	7440	7432	7427	7429	7438	7449	7465	7480	7516
20	7256	7253	7251	7251	7264	7278	7291	7305	7312	7313	7314	7316	7318	7311	7302	7292	7286	7276	7272
25	7064	7043	7023	7006	6997	6990	6984	6979	6980	6983	6983	6983	6979	6967	6958	6953	6949	6958	6984
30	6884	6858	6832	6812	6802	6793	6785	6778	6766	6747	6731	6717	6706	6705	6704	6703	6705	6701	6697
35	6057	6028	6003	5975	5942	5910	5880	5853	5849	5857	5868	5878	5888	5897	5905	5912	5919	5940	5974
40	4266	4244	4227	4213	4200	4191	4188	4189	4195	4207	4218	4232	4250	4288	4326	4363	4400	4442	4483
45	2795	2788	2783	2779	2775	2773	2773	2774	2779	2784	2791	2797	2808	2835	2864	2896	2927	2953	2976
50	1900	1905	1911	1912	1906	1901	1896	1893	1902	1916	1930	1946	1960	1967	1975	1983	1992	2007	2024
55	1271	1279	1288	1294	1293	1292	1292	1293	1298	1306	1314	1323	1330	1332	1335	1339	1343	1356	1368
60	825	826	827	830	833	838	842	849	854	860	866	873	878	882	886	890	893	900	907
65	539	541	545	548	550	553	556	559	563	568	574	580	585	588	591	595	598	603	609
70	353	356	359	362	365	369	372	376	379	383	386	389	393	397	401	406	411	414	417
75	194	196	199	202	206	209	213	217	221	225	230	234	238	240	243	246	248	252	255
80	83.0	84.9	87.0	88.9	90.5	92.3	94.2	96.3	99.0	102	105	108	112	114	117	120	122	125	128
85	20.4	21.6	22.9	24.1	25.2	26.3	27.5	28.7	30.0	31.4	32.7	34.1	35.6	37.3	39.0	40.9	42.7	44.3	45.9
90	8.46	8.34	8.20	8.01	7.78	7.54	7.29	7.04	6.82	6.63	6.51	6.45	6.44	6.48	6.57	6.72	6.93	7.27	7.62
95	10.8	10.8	10.7	10.7	10.6	10.5	10.4	10.3	10.3	10.2	10.1	10.1	10.1	10.2	10.3	10.4	10.6	10.4	10.3
100	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.03	0.80	1.56	2.50	3.66	4.86	6.09	7.34	8.44	9.84	9.39	9.92
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2023-03-02

γ Range: 0 - 100DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.90V I:0.4371A P:101.00W PF:0.9591 Freq:49.99Hz Lamp Flux:14445.5x1 lm																	
NAME: ECOHB200LSE5G7 with wireguard									TYPE:Highbay						WEIGHT:		
SPEC.:DIP100W									DIM.: D330						SERIAL No.:		
MFR.: Eastfield									SUR.:D270						Shielding Angle:		

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487	6487				
5	7841	7833	7829	7828	7829	7832	7858	7854	7862	7857	7833	7814	7801	7792	7791				
10	7420	7401	7384	7367	7373	7379	7393	7408	7405	7395	7390	7383	7389	7398	7406				
15	7555	7592	7628	7646	7643	7641	7632	7624	7628	7629	7630	7633	7648	7663	7676				
20	7271	7268	7263	7237	7204	7171	7138	7120	7118	7117	7118	7126	7157	7188	7221				
25	7008	7030	7051	7065	7076	7084	7090	7101	7116	7130	7143	7155	7166	7174	7182				
30	6693	6690	6688	6692	6694	6696	6697	6709	6727	6745	6763	6783	6807	6830	6854				
35	6009	6044	6079	6111	6143	6169	6193	6227	6266	6302	6337	6364	6378	6391	6402				
40	4524	4562	4602	4655	4708	4761	4806	4845	4882	4913	4941	4963	4976	4986	4992				
45	2999	3022	3044	3062	3080	3097	3113	3141	3171	3200	3226	3248	3265	3278	3289				
50	2040	2055	2070	2086	2101	2115	2129	2153	2180	2204	2226	2241	2244	2245	2245				
55	1380	1391	1404	1425	1446	1466	1485	1498	1509	1519	1529	1534	1532	1530	1526				
60	914	920	930	948	966	982	1000	1005	1008	1010	1012	1011	1009	1006	1002				
65	615	621	629	641	653	665	677	679	680	681	681	680	679	678	675				
70	420	422	427	436	445	454	464	465	465	465	464	463	461	459	457				
75	257	260	264	272	279	287	294	295	295	294	293	291	287	283	278				
80	131	133	136	139	142	146	149	150	151	152	152	151	148	146	143				
85	47.5	48.9	50.1	51.0	51.8	52.6	53.2	54.0	54.7	55.3	55.7	55.4	54.2	52.8	51.2				
90	7.96	8.30	8.57	8.77	8.95	9.13	9.22	9.26	9.31	9.37	9.42	9.35	9.12	8.84	8.51				
95	10.2	10.0	9.88	9.69	9.50	9.29	9.10	9.01	8.93	8.85	8.77	8.84	9.05	9.27	9.51				
100	9.99	10.0	10.0	10.0	10.0	10.0	10.0	10.1	10.1	10.2	10.2	10.2	10.2	10.2	10.2				
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
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γ Range: 0 - 100DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
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