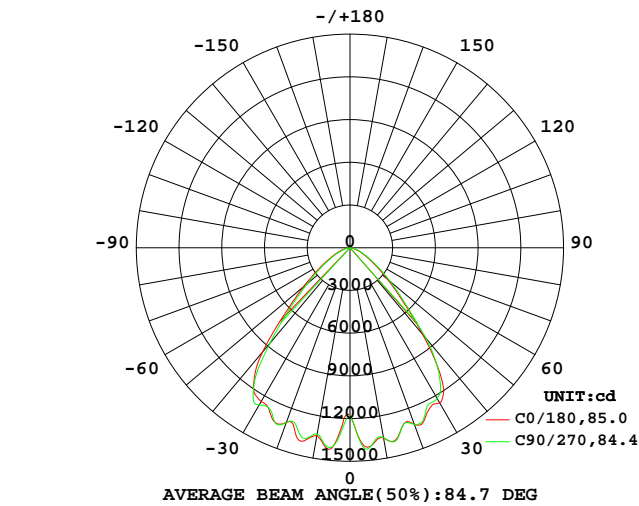


LUMINAIRE PHOTOMETRIC TEST REPORT

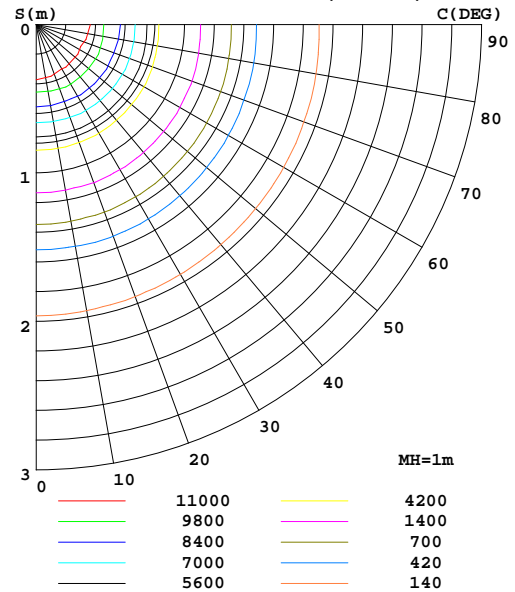
Test:U:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.34 lm/W			
MODEL	1	Imax(cd)	14317	S/MH(C0/180)	1.25
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	26419	η UP,DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	26419.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.5
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	240	η 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

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1342	1345	1328	1334	1356	1346	1353	1340	0- 10	1302	1302	4.93,4.93
20	1303	1298	1306	1325	1319	1323	1320	1289	10- 20	3786	5089	19.3,19.3
30	1247	1263	1275	1283	1260	1234	1223	1217	20- 30	5941	11030	41.8,41.8
40	956.0	943.1	874.3	800.7	794.0	779.8	830.8	902.9	30- 40	6913	17943	67.9,67.9
50	426.0	411.7	392.4	348.3	343.1	346.4	368.0	401.6	40- 50	4471	22413	84.8,84.8
60	189.9	181.0	170.9	150.3	147.7	153.7	163.5	187.5	50- 60	2327	24740	93.6,93.6
70	85.31	77.29	69.73	58.52	60.89	66.86	74.56	86.26	60- 70	1122	25862	97.9,97.9
80	25.91	20.85	15.80	11.55	13.13	16.22	21.47	27.77	70- 80	452.7	26315	99.6,99.6
90	1.891	1.346	1.599	1.892	1.941	1.626	1.563	2.029	80- 90	82.27	26397	99.9,99.9
100	2.150	2.018	1.861	0.1439	0.0000	0.1611	2.072	2.120	90-100	20.69	26417	100,100
110	0	0	0	0	0	0	0	0	100-110	1.919	26419	100,100
120	0	0	0	0	0	0	0	0	110-120	0	26419	100,100
130	0	0	0	0	0	0	0	0	120-130	0	26419	100,100
140	0	0	0	0	0	0	0	0	130-140	0	26419	100,100
150	0	0	0	0	0	0	0	0	140-150	0	26419	100,100
160	0	0	0	0	0	0	0	0	150-160	0	26419	100,100
170	0	0	0	0	0	0	0	0	160-170	0	26419	100,100
180	0	0	0	0	0	0	0	0	170-180	0	26419	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 20536 lm

%lum = 77.7%

%lamp = 77.7%

Conical surface Flux(120deg): 24740 lm

%lum = 93.6%

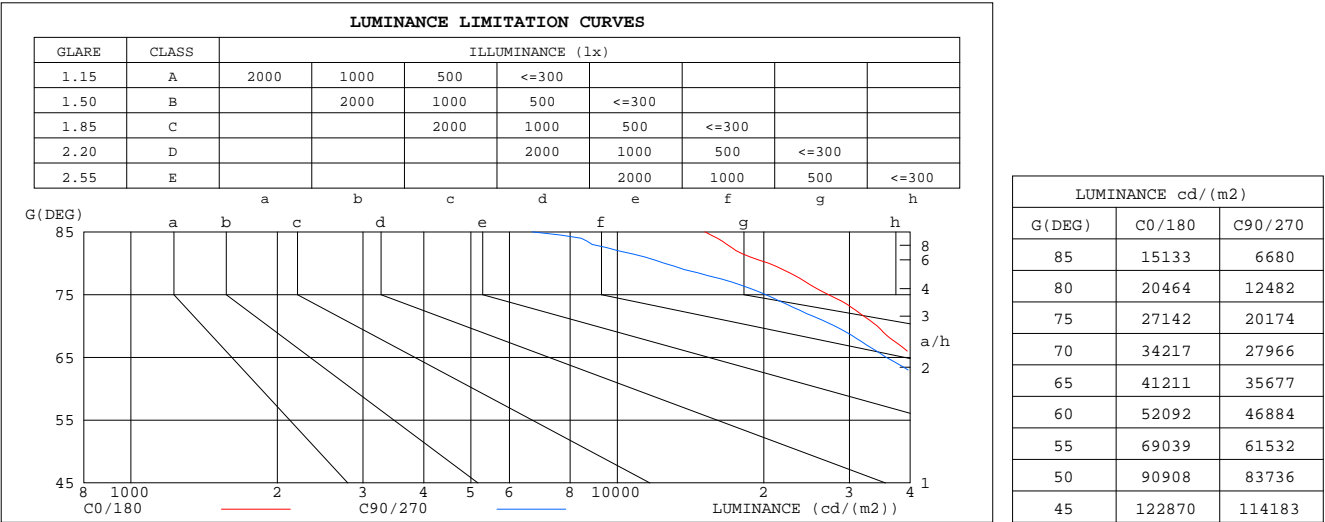
%lamp = 93.6%

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:

LUMINANCE LIMITATION CURVES

Test:U:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



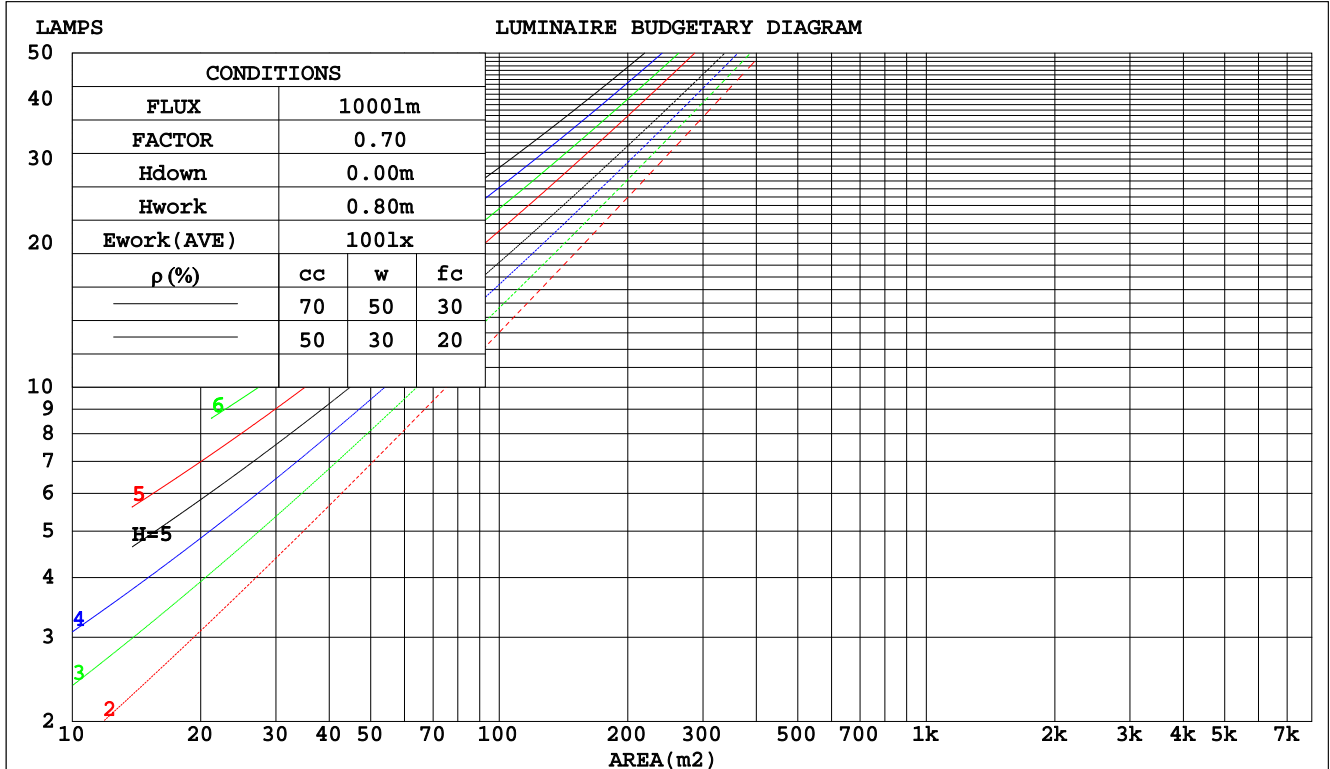
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	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						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	.00
1.0	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.89
2.0	.97	.92	.88	.96	.91	.87	.92	.88	.85	.89	.86	.83	.86	.83	.81	.79
3.0	.88	.82	.76	.87	.81	.76	.84	.79	.74	.81	.77	.73	.79	.75	.72	.70
4.0	.80	.73	.67	.79	.72	.67	.76	.71	.66	.74	.69	.65	.72	.68	.64	.62
5.0	.73	.65	.60	.72	.65	.59	.70	.64	.59	.68	.63	.58	.66	.62	.58	.56
6.0	.67	.59	.54	.66	.59	.53	.64	.58	.53	.62	.57	.52	.61	.56	.52	.50
7.0	.61	.54	.48	.60	.53	.48	.59	.53	.48	.58	.52	.48	.56	.51	.47	.45
8.0	.56	.49	.44	.56	.49	.44	.55	.48	.43	.53	.47	.43	.52	.47	.43	.41
9.0	.52	.45	.40	.52	.45	.40	.51	.44	.40	.50	.44	.40	.49	.43	.39	.38
10.0	.48	.41	.37	.48	.41	.37	.47	.41	.36	.46	.40	.36	.45	.40	.36	.35



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:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm					
NAME: ECOHB200LSE5G7 with Wireguard			TYPE:Highbay		WEIGHT:
SPEC.:DIP200W			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	.132	.042	.225	.128	.041	.212	.121	.039	.200	.115	.037	.189	.109	.035	
2.0	.225	.123	.038	.219	.120	.037	.208	.115	.036	.197	.111	.035	.188	.106	.033	
3.0	.214	.114	.034	.209	.112	.034	.199	.108	.033	.190	.104	.032	.182	.101	.031	
4.0	.202	.105	.031	.198	.104	.031	.189	.100	.030	.181	.097	.029	.174	.095	.029	
5.0	.191	.097	.028	.187	.096	.028	.180	.094	.028	.173	.091	.027	.166	.089	.027	
6.0	.181	.091	.026	.177	.090	.026	.171	.087	.025	.164	.085	.025	.158	.083	.025	
7.0	.171	.085	.024	.168	.084	.024	.162	.082	.024	.156	.080	.023	.151	.078	.023	
8.0	.162	.079	.022	.159	.078	.022	.154	.077	.022	.149	.075	.022	.144	.074	.022	
9.0	.154	.074	.021	.151	.074	.021	.146	.072	.021	.142	.071	.020	.138	.070	.020	
10.0	.146	.070	.019	.144	.070	.019	.140	.068	.019	.135	.067	.019	.132	.066	.019	

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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.176	.157	.141	.150	.135	.122	.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	.115	.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	.139	.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	.126	.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	.042	.024	.012	.013	.008	.004	
9.0	.115	.063	.028	.099	.055	.025	.068	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.059	.025	.095	.051	.022	.066	.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:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm										
NAME: ECOHB200LSE5G7 with Wireguard					TYPE:Highbay			WEIGHT:		
SPEC.:DIP200W					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	27.2	28.4	27.4	28.6	28.8	26.8	28.1	27.1	28.3	28.5
3H	27.5	28.6	27.7	28.8	29.0	27.1	28.2	27.3	28.4	28.6
4H	27.5	28.6	27.8	28.9	29.1	27.1	28.2	27.4	28.4	28.7
6H	27.6	28.6	27.9	28.8	29.1	27.1	28.1	27.4	28.3	28.6
8H	27.5	28.5	27.9	28.8	29.1	27.0	28.0	27.3	28.3	28.5
12H	27.5	28.5	27.9	28.7	29.0	27.0	27.9	27.3	28.2	28.5
4H 2H	27.2	28.3	27.5	28.5	28.8	26.9	28.0	27.2	28.2	28.5
3H	27.6	28.5	27.9	28.8	29.1	27.2	28.2	27.6	28.5	28.7
4H	27.7	28.6	28.1	28.9	29.2	27.3	28.2	27.7	28.5	28.8
6H	27.8	28.6	28.2	28.9	29.3	27.3	28.1	27.7	28.4	28.8
8H	27.8	28.5	28.2	28.9	29.3	27.3	28.0	27.7	28.4	28.7
12H	27.8	28.4	28.2	28.8	29.2	27.3	27.9	27.7	28.3	28.7
8H 4H	27.7	28.4	28.1	28.8	29.1	27.3	28.0	27.7	28.4	28.7
6H	27.8	28.4	28.3	28.8	29.2	27.4	27.9	27.8	28.3	28.7
8H	27.9	28.4	28.3	28.8	29.2	27.3	27.8	27.8	28.3	28.7
12H	27.9	28.3	28.3	28.7	29.2	27.3	27.7	27.8	28.2	28.7
12H 4H	27.7	28.3	28.1	28.7	29.1	27.3	27.9	27.7	28.3	28.7
6H	27.8	28.3	28.3	28.7	29.2	27.3	27.8	27.8	28.2	28.7
8H	27.8	28.3	28.3	28.7	29.2	27.3	27.8	27.8	28.2	28.7
Variations with the observer position at spacings:										
S = 1.0H	+ 1.1 / - 1.7					+ 1.3 / - 1.9				
1.5H	+ 1.5 / - 1.2					+ 1.6 / - 1.3				
2.0H	+ 2.3 / - 1.9					+ 2.4 / - 1.9				

CIE Pub.117, 26419 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 11.4$)
Area: 0.0729 m²

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:

UTILIZATION FACTORS TABLE

Test:U:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

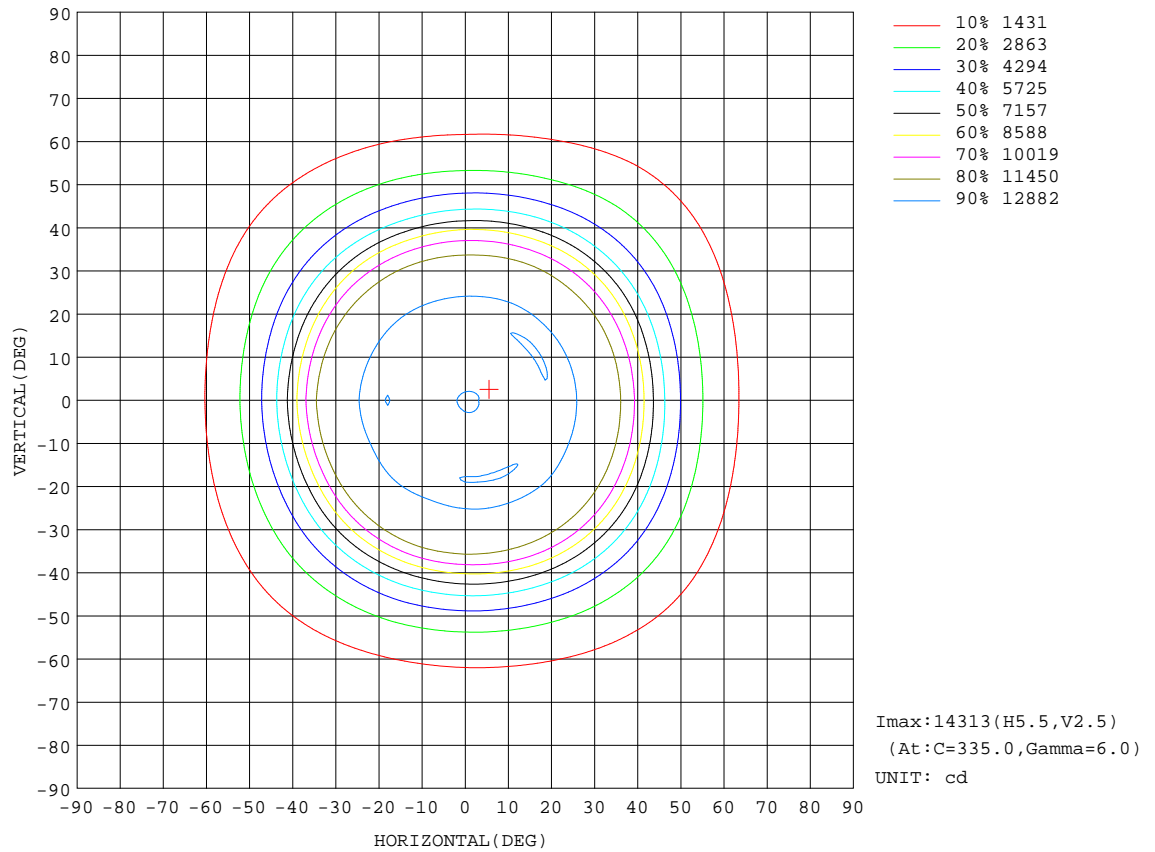
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	62	57	71	62	56	70	61	56	51
0.80	81	72	66	80	72	66	78	71	66	60
1.00	88	80	74	87	79	74	85	80	74	68
1.25	94	86	81	93	86	81	90	84	80	74
1.50	98	91	86	96	90	85	94	88	84	78
2.00	103	97	92	101	96	91	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	88
4.00	111	106	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

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:

ISOCANDELA DIAGRAM

Test:U:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



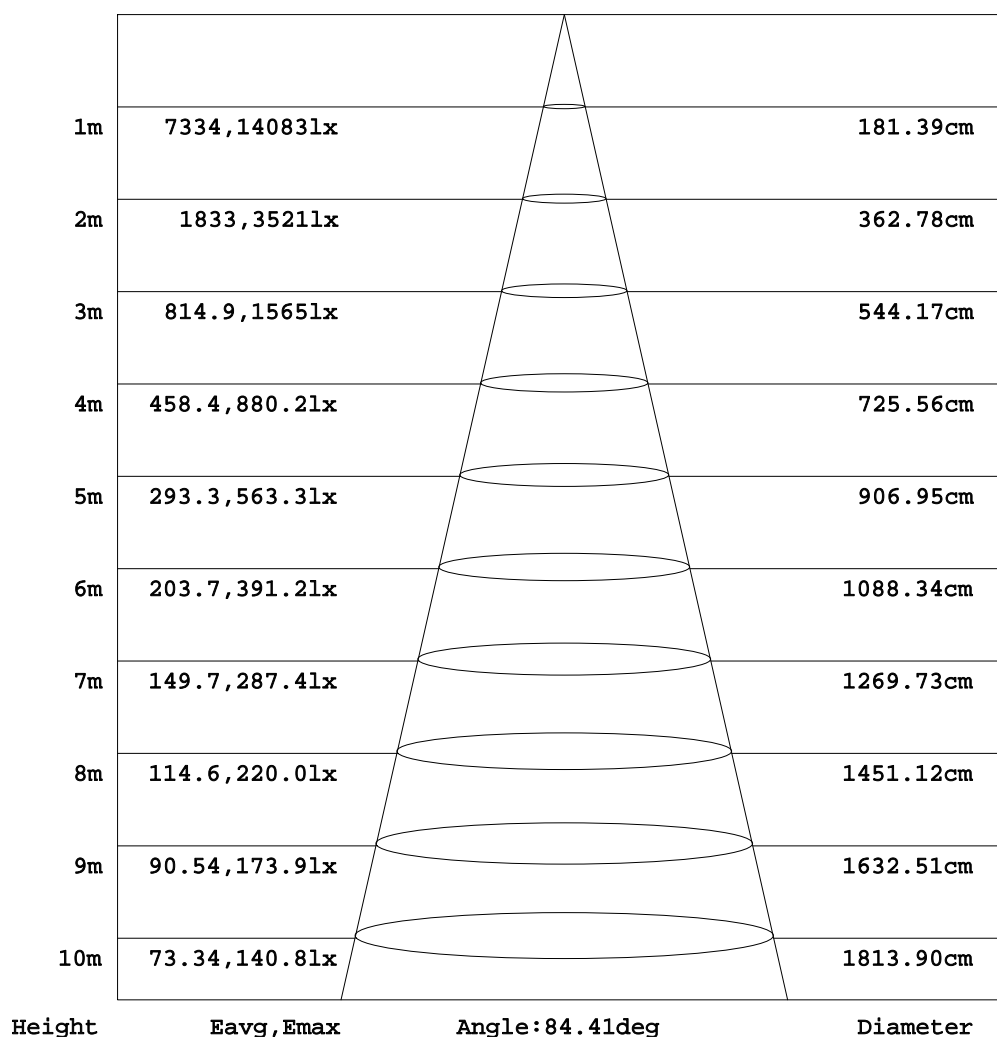
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:

AAI Figure

Test:U:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Flux out:19345 lm



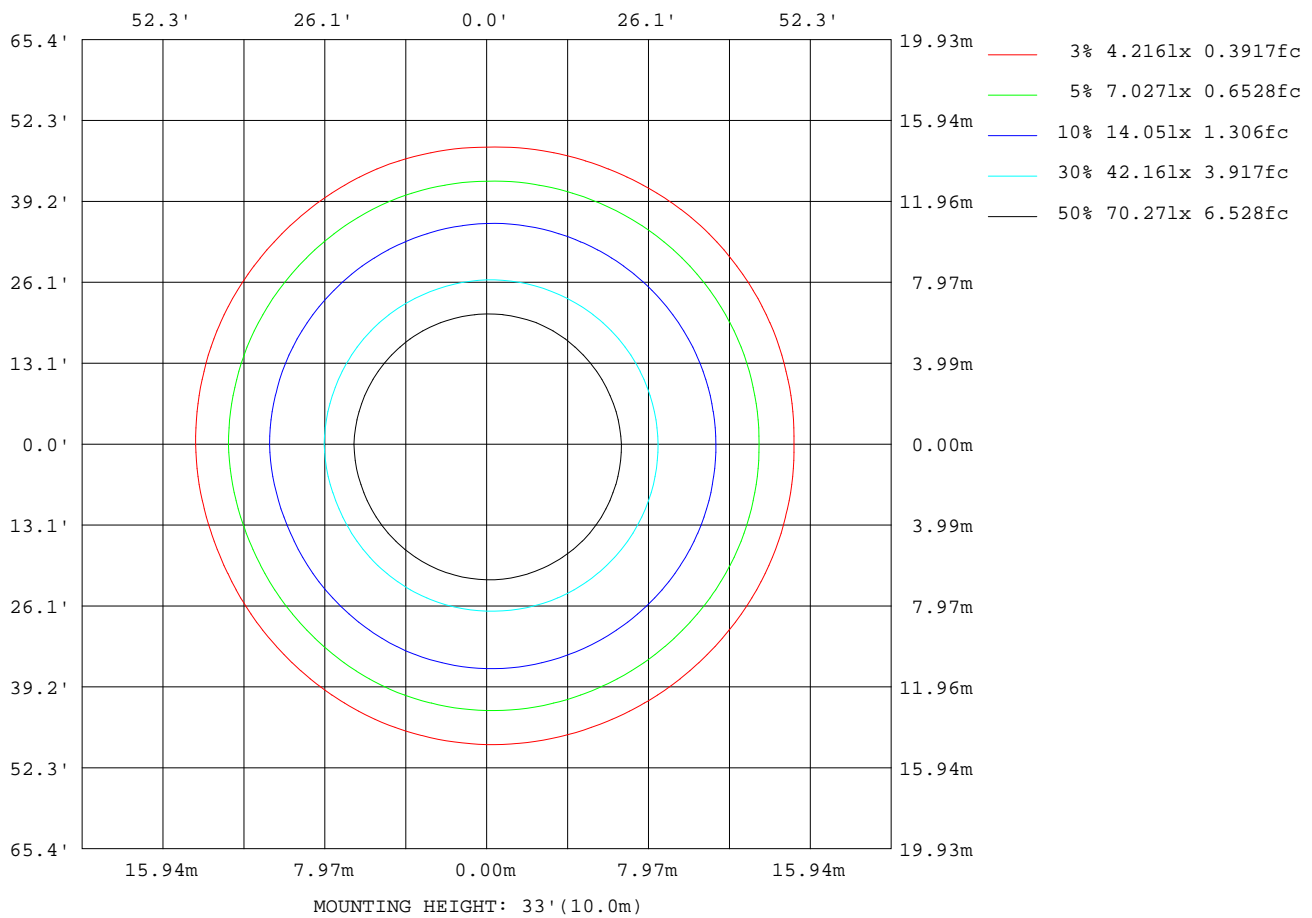
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 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:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	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:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

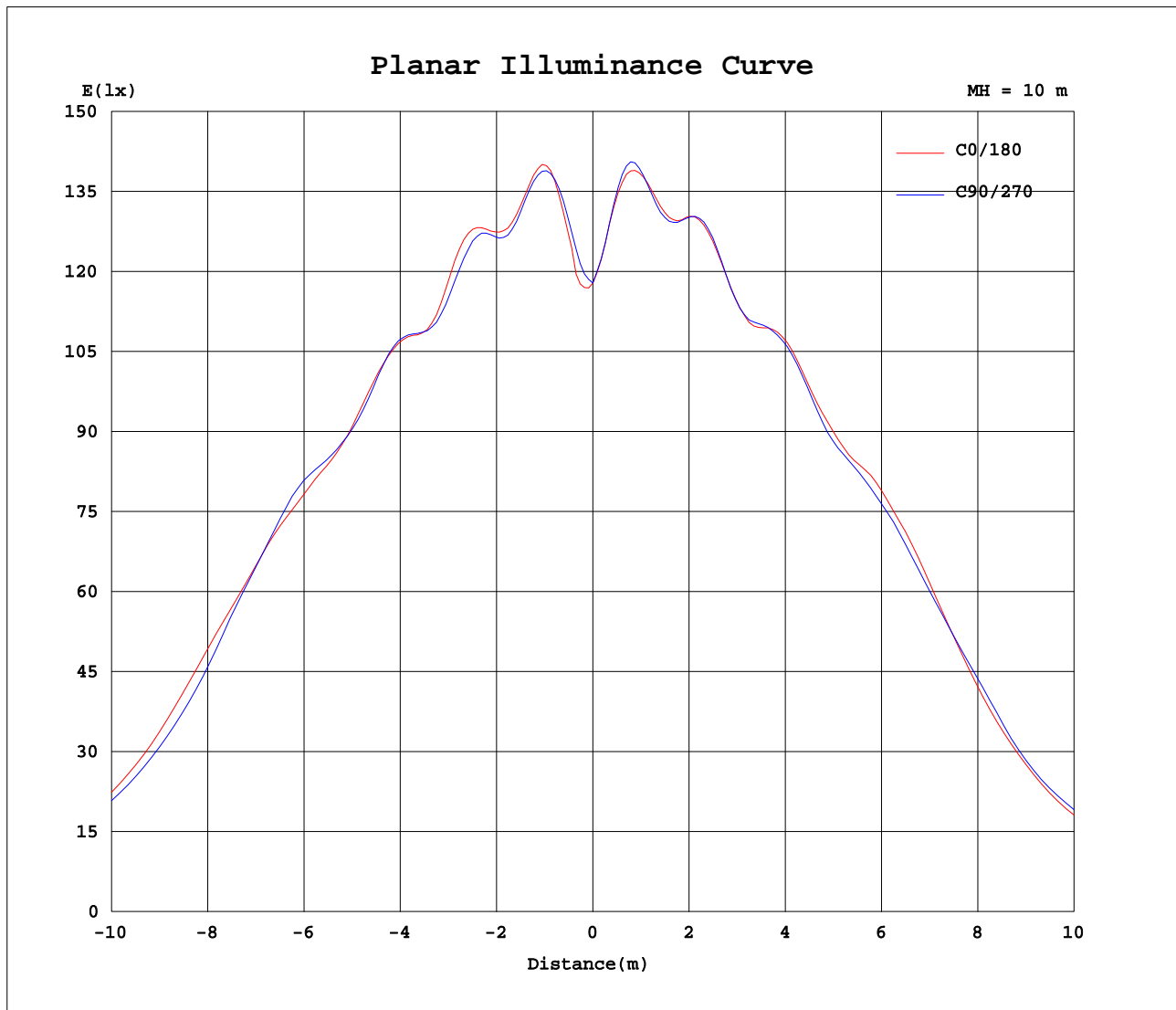
AvgL	cd/m2
L_0~180(65)av	36133
L_0~180(75)av	22236
L_0~180(85)av	9883
L_90~270(65)av	35542
L_90~270(75)av	21925
L_90~270(85)av	9397
L_45(65)av	35818
L_45(75)av	22235
L_45(85)av	9477

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

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:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm																		
NAME: ECOHB200LSE5G7 with Wireguard									TYPE:Highbay					WEIGHT:				
SPEC.:DIP200W									DIM.: D330					SERIAL No.:				
MFR.: Eastfield									SUR.:D270					Shielding Angle:				

Table--1

UNIT: x10cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178
5	1405	1400	1395	1391	1391	1392	1392	1392	1391	1390	1388	1387	1386	1386	1386	1389	1393	1397	1400
10	1342	1345	1348	1349	1349	1349	1349	1348	1347	1345	1343	1340	1337	1335	1333	1332	1330	1328	1328
15	1398	1393	1389	1389	1385	1382	1381	1378	1376	1373	1370	1366	1364	1364	1365	1367	1365	1364	1359
20	1303	1305	1307	1308	1308	1307	1305	1303	1300	1298	1296	1294	1292	1292	1295	1298	1301	1304	1306
25	1308	1309	1309	1310	1311	1312	1313	1314	1314	1314	1313	1311	1309	1307	1304	1302	1300	1296	1291
30	1247	1249	1252	1254	1258	1259	1260	1261	1262	1263	1262	1262	1262	1262	1264	1266	1269	1271	1275
35	1180	1181	1183	1184	1185	1187	1189	1190	1191	1191	1191	1190	1189	1187	1185	1183	1181	1178	1175
40	956	957	958	958	956	955	954	951	947	943	938	933	927	920	911	902	893	883	874
45	633	639	641	644	646	644	640	636	631	626	622	618	614	609	605	601	598	594	589
50	426	427	427	427	427	425	422	419	415	412	410	407	405	402	400	398	396	395	392
55	289	288	288	288	287	285	283	280	277	274	273	271	269	267	265	264	262	260	257
60	190	190	190	189	188	187	186	184	183	181	180	179	177	176	175	174	173	172	171
65	127	126	126	125	124	123	122	121	119	118	118	117	116	115	114	113	112	111	110
70	85.3	84.3	83.2	82.1	80.9	80.1	79.5	78.8	78.1	77.3	76.5	75.8	75.0	74.2	73.4	72.6	71.7	70.8	69.7
75	51.2	50.6	50.0	49.1	48.2	47.5	46.9	46.2	45.4	44.7	44.1	43.5	42.8	42.1	41.4	40.6	39.7	38.9	38.1
80	25.9	25.6	25.2	24.7	24.2	23.6	23.0	22.4	21.6	20.9	20.3	19.7	19.1	18.5	18.0	17.4	16.9	16.4	15.8
85	9.61	9.43	9.26	9.05	8.76	8.36	8.01	7.58	7.15	6.75	6.47	6.20	5.92	5.64	5.39	5.16	4.90	4.60	4.24
90	1.89	1.84	1.78	1.72	1.65	1.59	1.53	1.47	1.40	1.35	1.33	1.32	1.29	1.32	1.36	1.42	1.49	1.54	1.60
95	2.02	2.02	2.02	2.02	2.03	2.04	2.02	2.02	2.01	1.99	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.98	1.95
100	2.15	2.15	2.14	2.14	2.14	2.13	2.11	2.08	2.05	2.02	2.00	1.99	1.97	1.95	1.92	1.89	1.78	1.60	1.86
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:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm																		
NAME: ECOHB200LSE5G7 with Wireguard									TYPE:Highbay					WEIGHT:				
SPEC.:DIP200W									DIM.: D330					SERIAL No.:				
MFR.: Eastfield									SUR.:D270					Shielding Angle:				

Table--2

UNIT: ×10cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178
5	1401	1402	1403	1404	1406	1406	1404	1402	1399	1396	1393	1391	1392	1393	1395	1399	1402	1405	1405
10	1330	1332	1333	1333	1334	1335	1336	1335	1334	1332	1331	1331	1332	1337	1343	1348	1352	1356	1357
15	1351	1345	1341	1338	1336	1334	1333	1331	1330	1328	1326	1325	1326	1329	1333	1338	1343	1348	1349
20	1310	1312	1314	1316	1318	1321	1323	1324	1325	1325	1324	1324	1322	1322	1320	1319	1319	1319	1317
25	1287	1282	1278	1275	1276	1277	1279	1280	1279	1277	1274	1272	1270	1271	1274	1276	1278	1280	1278
30	1277	1281	1283	1285	1286	1286	1286	1286	1283	1280	1275	1273	1269	1267	1263	1261	1259	1260	1253
35	1171	1167	1164	1160	1154	1147	1141	1134	1128	1122	1116	1111	1107	1106	1108	1111	1114	1120	1113
40	867	859	851	842	833	824	816	808	801	792	785	778	772	772	776	782	788	794	789
45	582	576	569	562	554	544	536	527	519	513	507	502	498	498	500	504	508	512	511
50	389	385	382	378	373	366	360	354	348	344	340	337	334	334	335	338	341	343	344
55	256	254	251	249	245	241	237	233	230	227	224	222	221	221	222	223	225	227	228
60	169	166	164	161	159	157	154	152	150	149	147	146	145	145	145	146	147	148	148
65	109	108	106	105	104	102	99.8	97.9	96.2	95.0	93.8	92.9	92.0	92.0	92.8	93.7	94.6	95.7	96.0
70	68.7	67.6	66.5	65.4	64.0	62.5	61.0	59.7	58.5	58.2	57.9	57.7	57.6	57.9	58.5	59.3	60.0	60.9	61.3
75	37.4	36.7	36.0	35.3	34.4	33.4	32.5	31.6	30.8	30.5	30.4	30.3	30.2	30.4	30.9	31.5	32.1	32.7	33.0
80	15.4	14.9	14.5	14.0	13.5	13.0	12.5	12.0	11.6	11.4	11.3	11.2	11.1	11.3	11.8	12.2	12.6	13.1	13.4
85	3.95	3.62	3.32	3.05	2.83	2.65	2.55	2.45	2.37	2.34	2.35	2.37	2.32	2.47	2.63	2.74	2.83	2.94	3.12
90	1.64	1.68	1.72	1.75	1.78	1.81	1.84	1.87	1.89	1.92	1.94	1.96	1.97	1.97	1.97	1.96	1.95	1.94	1.93
95	1.99	2.02	2.05	2.07	2.10	2.12	2.14	2.15	2.16	2.15	2.14	2.13	2.13	2.14	2.16	2.20	2.24	2.28	2.27
100	1.31	1.21	0.98	0.77	0.58	0.43	0.32	0.23	0.14	0.11	0.12	0.03	0.02	0.07	0.08	0.07	0.01	0.00	0.01
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:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm																		
NAME: ECOHB200LSE5G7 with Wireguard									TYPE:Highbay					WEIGHT:				
SPEC.:DIP200W									DIM.: D330					SERIAL No.:				
MFR.: Eastfield									SUR.:D270					Shielding Angle:				

Table--3

UNIT: x10cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178
5	1404	1404	1404	1406	1407	1409	1411	1413	1415	1418	1419	1419	1417	1417	1417	1418	1420	1420	1418
10	1359	1359	1358	1357	1356	1353	1349	1346	1343	1343	1346	1350	1354	1357	1358	1356	1353	1350	1348
15	1350	1353	1355	1356	1354	1352	1350	1348	1346	1345	1344	1343	1343	1344	1345	1348	1352	1355	1361
20	1316	1316	1315	1316	1317	1319	1321	1323	1324	1325	1326	1326	1326	1325	1323	1321	1320	1317	1315
25	1275	1273	1270	1267	1265	1264	1263	1263	1264	1265	1266	1266	1266	1265	1263	1263	1262	1265	1269
30	1249	1245	1243	1239	1238	1236	1235	1234	1232	1229	1227	1225	1223	1222	1222	1222	1223	1221	1221
35	1107	1102	1098	1094	1089	1084	1080	1076	1076	1077	1079	1082	1084	1086	1089	1090	1093	1097	1102
40	785	781	779	777	776	776	778	780	782	785	787	791	795	803	811	820	831	837	845
45	509	508	508	508	508	508	509	510	511	512	513	515	518	523	529	535	540	548	553
50	344	345	346	346	346	346	346	346	348	351	354	357	360	362	364	366	368	372	375
55	228	230	231	232	233	233	234	235	236	238	240	243	244	245	246	246	247	250	253
60	149	150	150	151	151	152	153	154	155	157	158	160	161	162	162	163	164	165	167
65	96.5	97.1	97.6	98.3	98.8	99.4	100	101	102	103	104	105	106	107	108	108	109	110	112
70	61.8	62.4	63.0	63.7	64.4	65.1	66.0	66.9	67.6	68.3	69.1	69.8	70.6	71.5	72.4	73.4	74.6	75.2	75.9
75	33.3	33.7	34.1	34.7	35.5	36.3	37.1	38.1	38.8	39.6	40.4	41.2	42.0	42.7	43.3	44.1	44.7	45.4	46.0
80	13.7	14.0	14.4	14.7	15.0	15.4	15.8	16.2	16.7	17.3	17.8	18.4	19.1	19.7	20.3	21.0	21.5	22.2	22.8
85	3.36	3.60	3.81	3.92	4.14	4.32	4.55	4.78	5.05	5.34	5.65	5.96	6.28	6.62	6.99	7.37	7.70	8.08	8.42
90	1.91	1.88	1.86	1.82	1.77	1.73	1.68	1.63	1.59	1.55	1.51	1.50	1.49	1.49	1.50	1.53	1.56	1.64	1.72
95	2.26	2.25	2.26	2.26	2.25	2.23	2.22	2.21	2.19	2.16	2.14	2.13	2.13	2.14	2.16	2.18	2.22	2.17	2.15
100	0.08	0.09	0.08	0.02	0.04	0.13	0.12	0.16	0.26	0.37	0.49	0.67	0.88	1.12	1.37	1.47	2.07	1.76	1.95
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:240.73V I:0.8443A P:201.16W PF:0.9898 Freq:49.99Hz Lamp Flux:26419.2x1 lm																	
NAME: ECOHB200LSE5G7 with Wireguard									TYPE:Highbay						WEIGHT:		
SPEC.:DIP200W									DIM.: D330						SERIAL No.:		
MFR.: Eastfield									SUR.:D270						Shielding Angle:		

Table--4

UNIT: x10cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178				
5	1417	1415	1415	1414	1413	1413	1413	1412	1411	1409	1406	1401	1398	1398	1402				
10	1345	1341	1338	1336	1336	1338	1340	1343	1344	1343	1342	1342	1343	1344	1343				
15	1369	1376	1382	1386	1386	1385	1383	1382	1382	1383	1383	1384	1387	1388	1393				
20	1315	1314	1312	1308	1302	1295	1289	1286	1284	1284	1285	1286	1290	1296	1299				
25	1274	1278	1282	1285	1287	1288	1289	1291	1293	1296	1298	1300	1301	1303	1306				
30	1220	1219	1218	1218	1217	1217	1217	1219	1221	1224	1227	1230	1234	1238	1242				
35	1109	1115	1121	1126	1131	1135	1138	1144	1150	1156	1162	1166	1170	1173	1176				
40	853	860	867	876	886	895	903	911	918	925	930	936	942	947	951				
45	559	565	570	575	579	583	587	594	601	608	615	621	624	629	633				
50	379	383	386	390	394	398	402	406	411	416	420	423	424	425	426				
55	255	258	261	265	270	274	278	281	283	285	287	288	289	289	289				
60	169	171	174	177	181	184	188	189	190	191	192	192	192	192	191				
65	113	115	117	119	121	124	126	127	128	128	128	129	128	128	128				
70	76.7	77.4	78.6	80.6	82.5	84.5	86.3	86.7	86.8	86.9	86.8	86.7	86.5	86.1	85.7				
75	46.5	47.1	48.0	49.6	51.2	52.8	54.3	54.6	54.6	54.6	54.5	54.1	53.5	52.9	52.1				
80	23.3	23.9	24.5	25.3	26.1	27.0	27.8	28.0	28.2	28.3	28.3	28.1	27.6	27.1	26.5				
85	8.75	9.07	9.34	9.56	9.78	10.00	10.2	10.4	10.5	10.7	10.8	10.7	10.5	10.3	9.96				
90	1.79	1.86	1.92	1.95	1.98	2.01	2.03	2.07	2.11	2.14	2.17	2.15	2.09	2.03	1.96				
95	2.12	2.10	2.06	2.02	1.98	1.94	1.90	1.88	1.86	1.84	1.83	1.84	1.87	1.92	1.97				
100	2.06	2.08	2.10	2.11	2.11	2.12	2.12	2.12	2.13	2.13	2.13	2.12	2.12	2.13	2.14				
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
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 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: