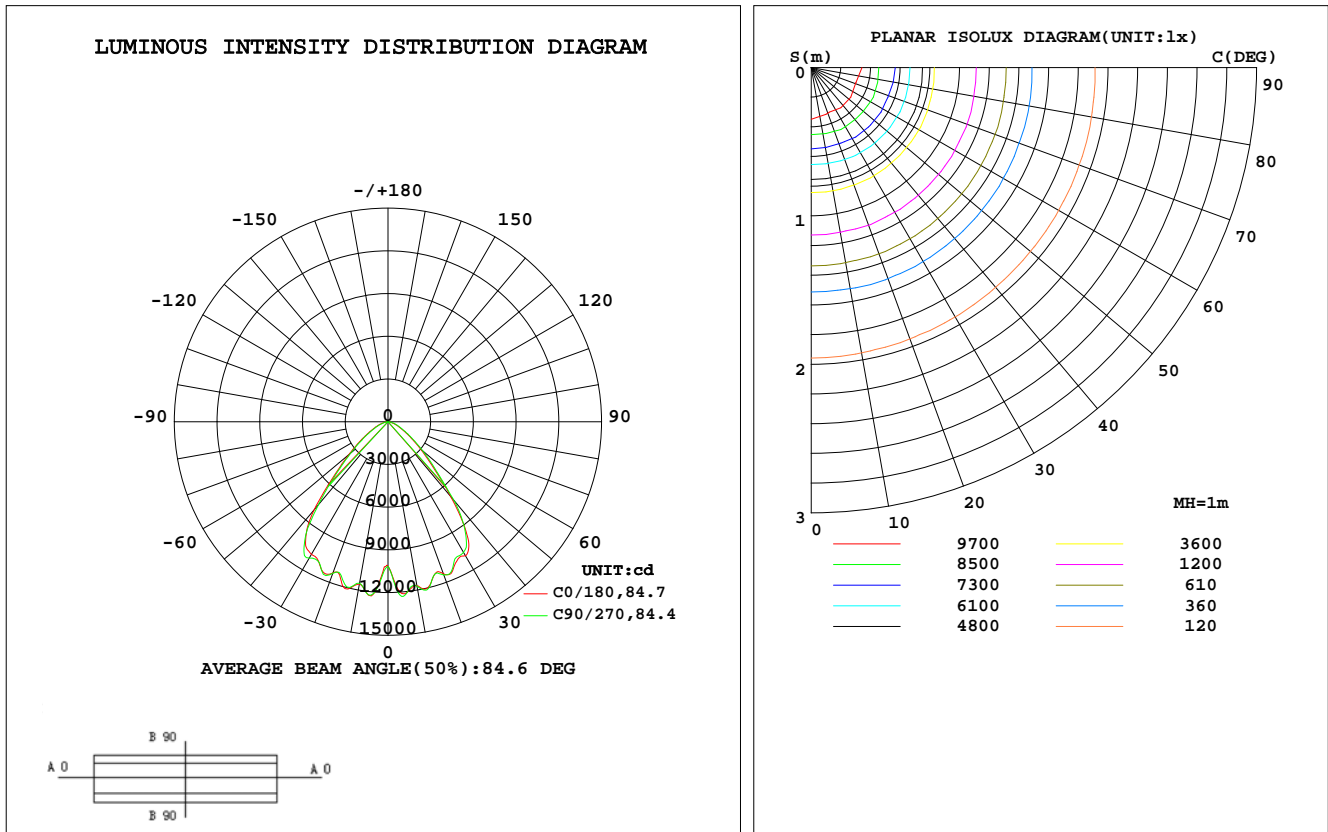


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm					
NAME: ECOHB200LSE5G7 with Wireguard			TYPE:Highbay		WEIGHT:
SPEC.:DIP170W			DIM.: D330		SERIAL No.:
MFR.: Eastfield			SUR.:D270		Shielding Angle:

DATA OF LAMP			PHOTOMETRIC DATA Eff: 134.46 lm/W		
MODEL	1		Imax(cd)	12471	S/MH(C0/180)
NOMINAL POWER(W)	200		LOR(%)	100.0	S/MH(C90/270)
RATED VOLTAGE(V)	240		TOTAL FLUX(lm)	22869	η UP,DN(C0-180)
NOMINAL FLUX(lm)	22868.9		CIE CLASS	DIRECT	η UP,DN(C180-360)
LAMPS INSIDE	1		η up(%)	0.1	CIBSE SHR NOM
TEST VOLTAGE(V)	240		η down(%)	99.9	CIBSE SHR MAX



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	1159	1162	1151	1156	1170	1160	1172	1162	0- 10	1128	1128	4.93,4.93
20	1129	1123	1132	1150	1135	1144	1145	1121	10- 20	3280	4408	19.3,19.3
30	1075	1093	1106	1117	1086	1068	1060	1056	20- 30	5148	9556	41.8,41.8
40	805.0	804.5	758.9	705.5	686.6	679.5	719.8	779.2	30- 40	5990	15546	68,68
50	359.3	350.9	340.7	306.6	297.8	302.2	318.8	345.2	40- 50	3861	19406	84.9,84.9
60	160.7	154.7	148.4	132.4	129.4	134.3	141.6	161.0	50- 60	2011	21417	93.7,93.7
70	72.80	66.10	60.57	51.60	54.02	58.77	64.67	74.09	60- 70	970.6	22388	97.9,97.9
80	21.67	17.48	13.93	10.36	11.87	14.34	18.57	23.24	70- 80	391.8	22780	99.6,99.6
90	1.531	1.039	1.342	1.589	1.586	1.347	1.308	1.674	80- 90	70.13	22850	99.9,99.9
100	1.791	1.673	1.567	0.0256	0	0.0285	1.751	1.788	90-100	17.58	22867	100,100
110	0	0	0	0	0	0	0	0	100-110	1.482	22869	100,100
120	0	0	0	0	0	0	0	0	110-120	0	22869	100,100
130	0	0	0	0	0	0	0	0	120-130	0	22869	100,100
140	0	0	0	0	0	0	0	0	130-140	0	22869	100,100
150	0	0	0	0	0	0	0	0	140-150	0	22869	100,100
160	0	0	0	0	0	0	0	0	150-160	0	22869	100,100
170	0	0	0	0	0	0	0	0	160-170	0	22869	100,100
180	0	0	0	0	0	0	0	0	170-180	0	22869	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 17785 lm

%lum = 77.8%

%lamp = 77.8%

Conical surface Flux(120deg): 21417 lm

%lum = 93.7%

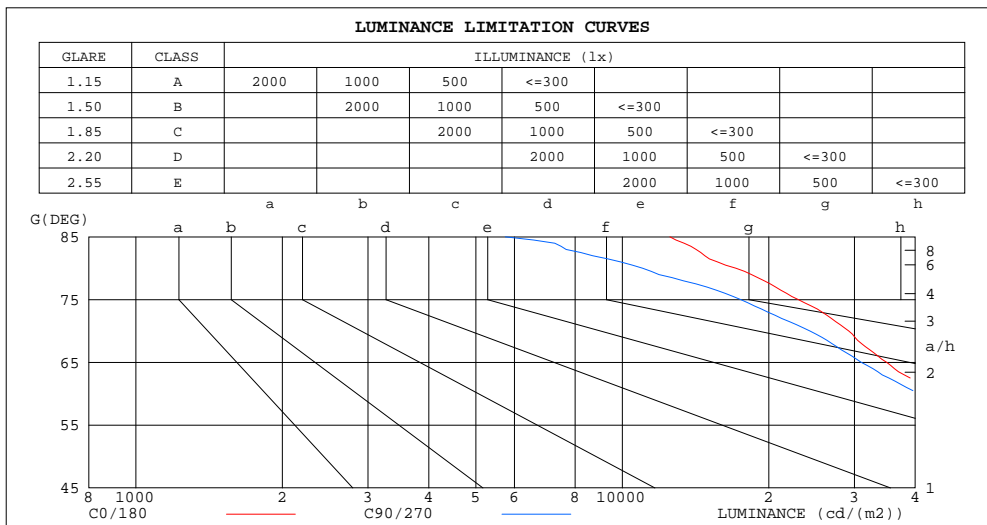
%lamp = 93.7%

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

γ Range: 0 - 100DEG
 γ Interval: 0.5DEG
 γ 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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	12525	5746
80	17116	11001
75	23001	17511
70	29197	24292
65	34929	30976
60	44091	40724
55	58204	53412
50	76685	72702
45	103313	99187

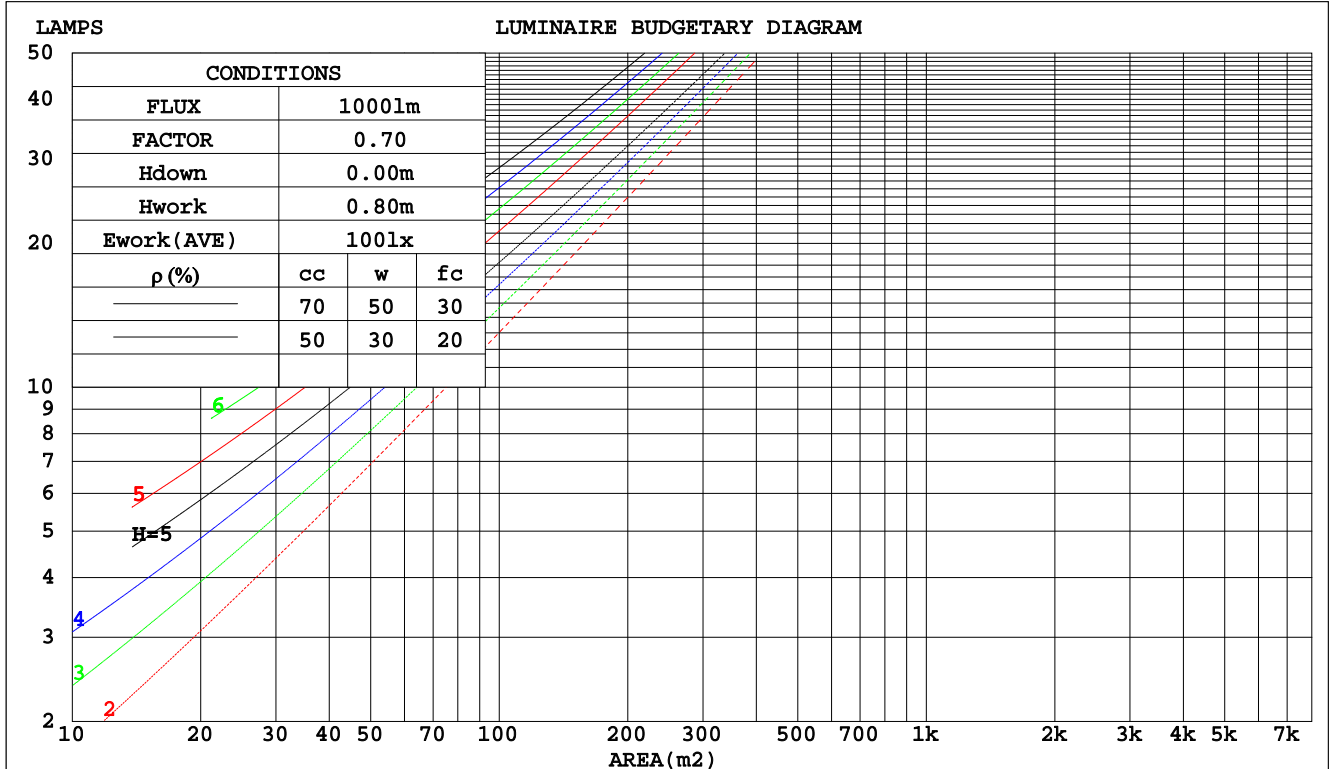
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	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	.63	.57	.53	.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	.48	.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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm					
NAME: ECOHB200LSE5G7 with Wireguard			TYPE:Highbay		WEIGHT:
SPEC.:DIP170W			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	.224	.128	.041	.212	.121	.039	.200	.115	.037	.189	.109	.035	
2.0	.225	.123	.038	.219	.120	.037	.207	.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	.131	.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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm										
NAME: ECOHB200LSE5G7 with Wireguard					TYPE:Highbay			WEIGHT:		
SPEC.:DIP170W					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	26.5	27.8	26.8	28.0	28.2	26.3	27.6	26.6	27.7	27.9
3H	26.8	28.0	27.1	28.2	28.4	26.5	27.7	26.8	27.9	28.1
4H	26.9	28.0	27.2	28.2	28.5	26.6	27.6	26.9	27.9	28.1
6H	26.9	27.9	27.2	28.2	28.5	26.5	27.5	26.8	27.8	28.1
8H	26.9	27.9	27.2	28.2	28.4	26.5	27.5	26.8	27.7	28.0
12H	26.9	27.8	27.2	28.1	28.4	26.4	27.4	26.8	27.7	28.0
4H 2H	26.6	27.7	26.9	27.9	28.1	26.4	27.4	26.7	27.7	27.9
3H	27.0	27.9	27.3	28.2	28.5	26.7	27.6	27.0	27.9	28.2
4H	27.1	28.0	27.5	28.3	28.6	26.8	27.6	27.1	27.9	28.3
6H	27.2	27.9	27.6	28.3	28.6	26.8	27.5	27.2	27.9	28.2
8H	27.2	27.9	27.6	28.2	28.6	26.8	27.5	27.2	27.8	28.2
12H	27.2	27.8	27.6	28.2	28.6	26.7	27.4	27.2	27.7	28.1
8H 4H	27.1	27.8	27.5	28.1	28.5	26.8	27.5	27.2	27.8	28.2
6H	27.2	27.8	27.6	28.2	28.6	26.8	27.4	27.2	27.8	28.2
8H	27.2	27.7	27.7	28.1	28.6	26.8	27.3	27.3	27.7	28.2
12H	27.2	27.7	27.7	28.1	28.6	26.8	27.2	27.2	27.6	28.1
12H 4H	27.0	27.7	27.5	28.1	28.5	26.7	27.4	27.1	27.7	28.1
6H	27.2	27.7	27.6	28.1	28.5	26.8	27.3	27.2	27.7	28.1
8H	27.2	27.6	27.7	28.1	28.6	26.8	27.2	27.3	27.7	28.1
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					+ 2.4 / - 2.0				

CIE Pub.117, 22869 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 10.9)
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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

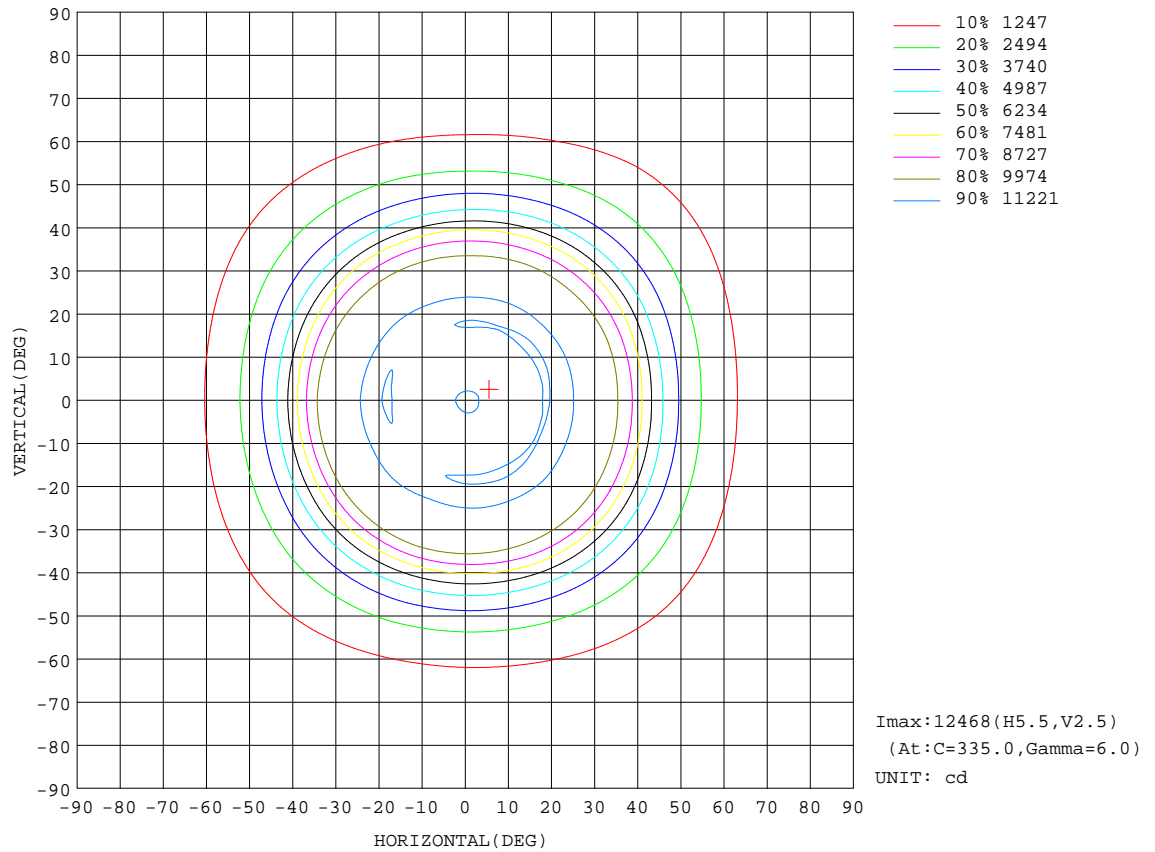
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	62	57	71	62	56	70	61	56	51
0.80	81	72	66	80	72	66	78	71	66	61
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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



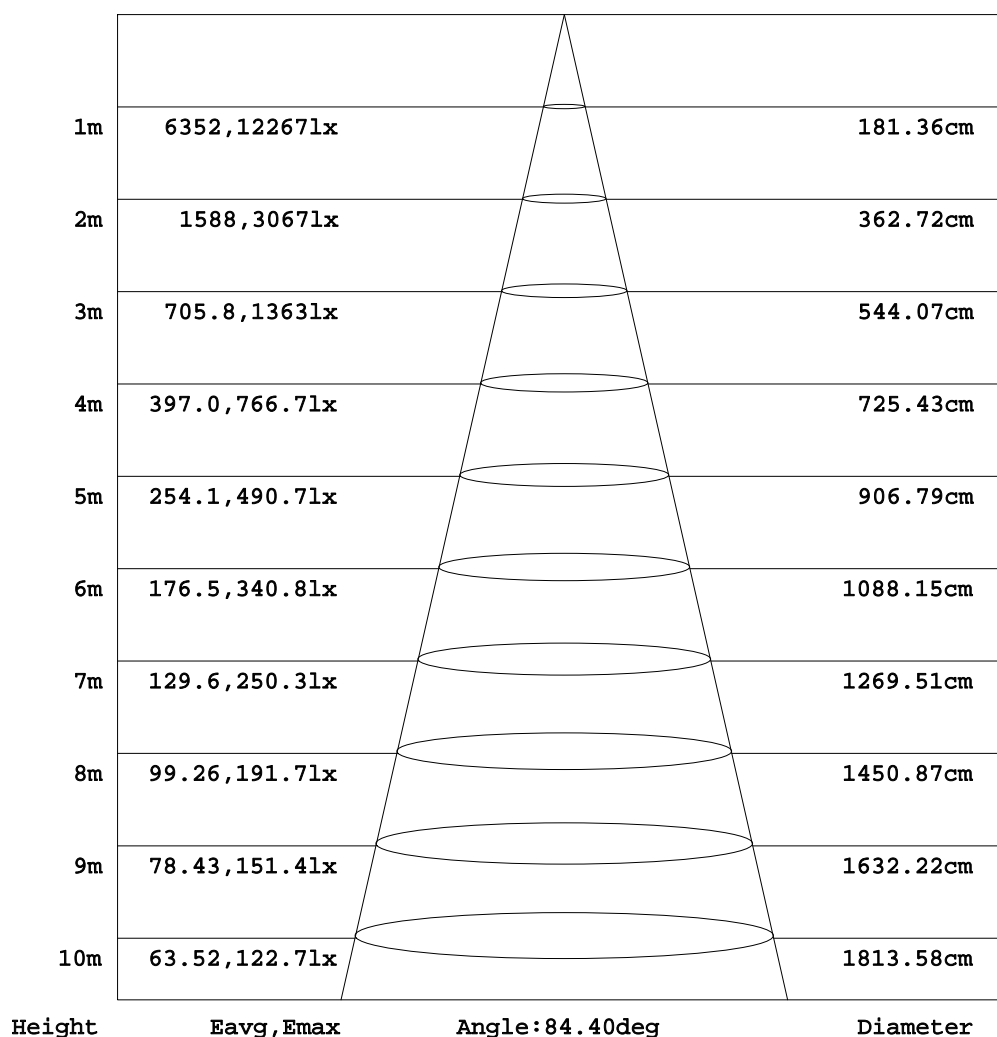
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Flux out:16757 lm



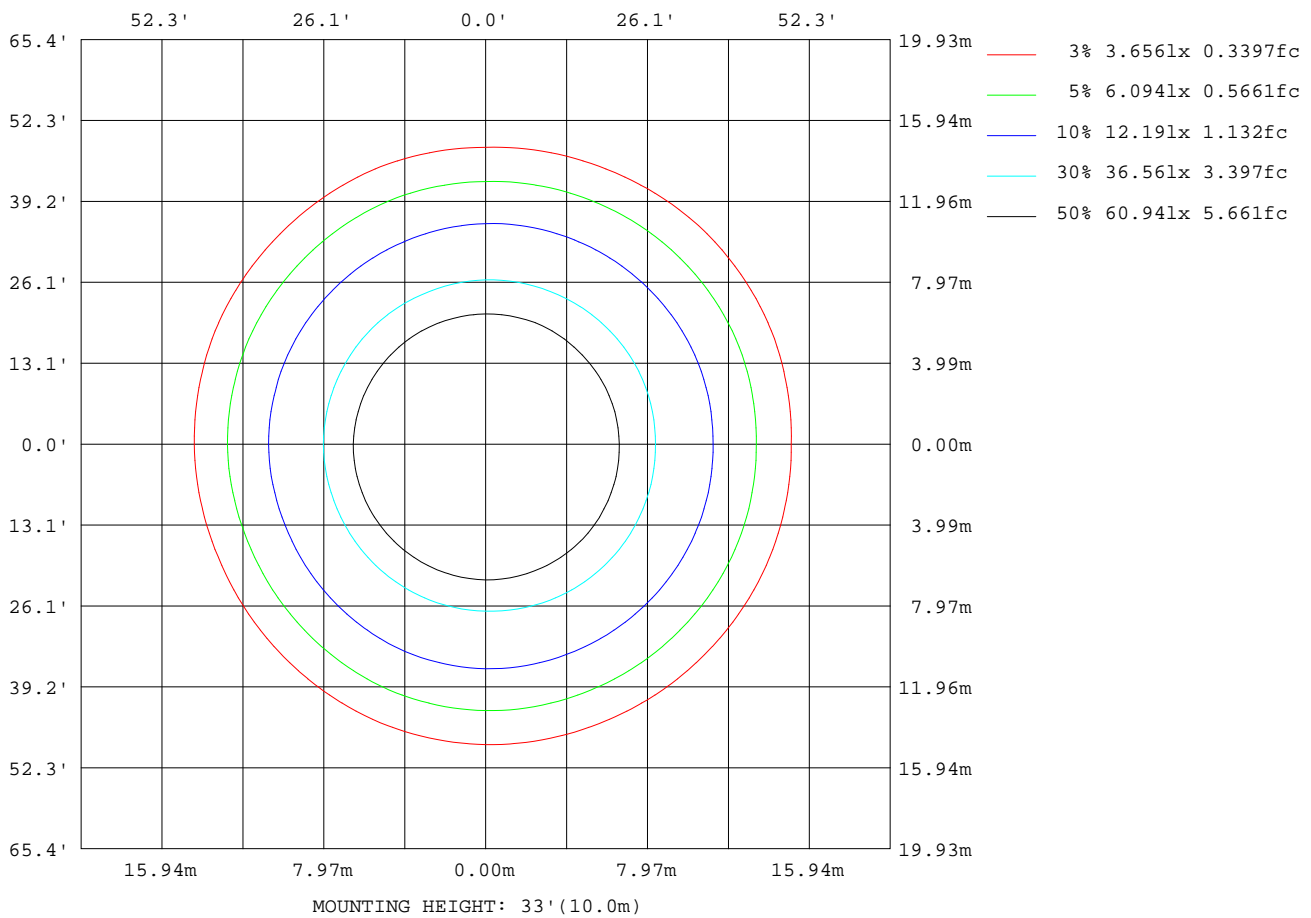
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

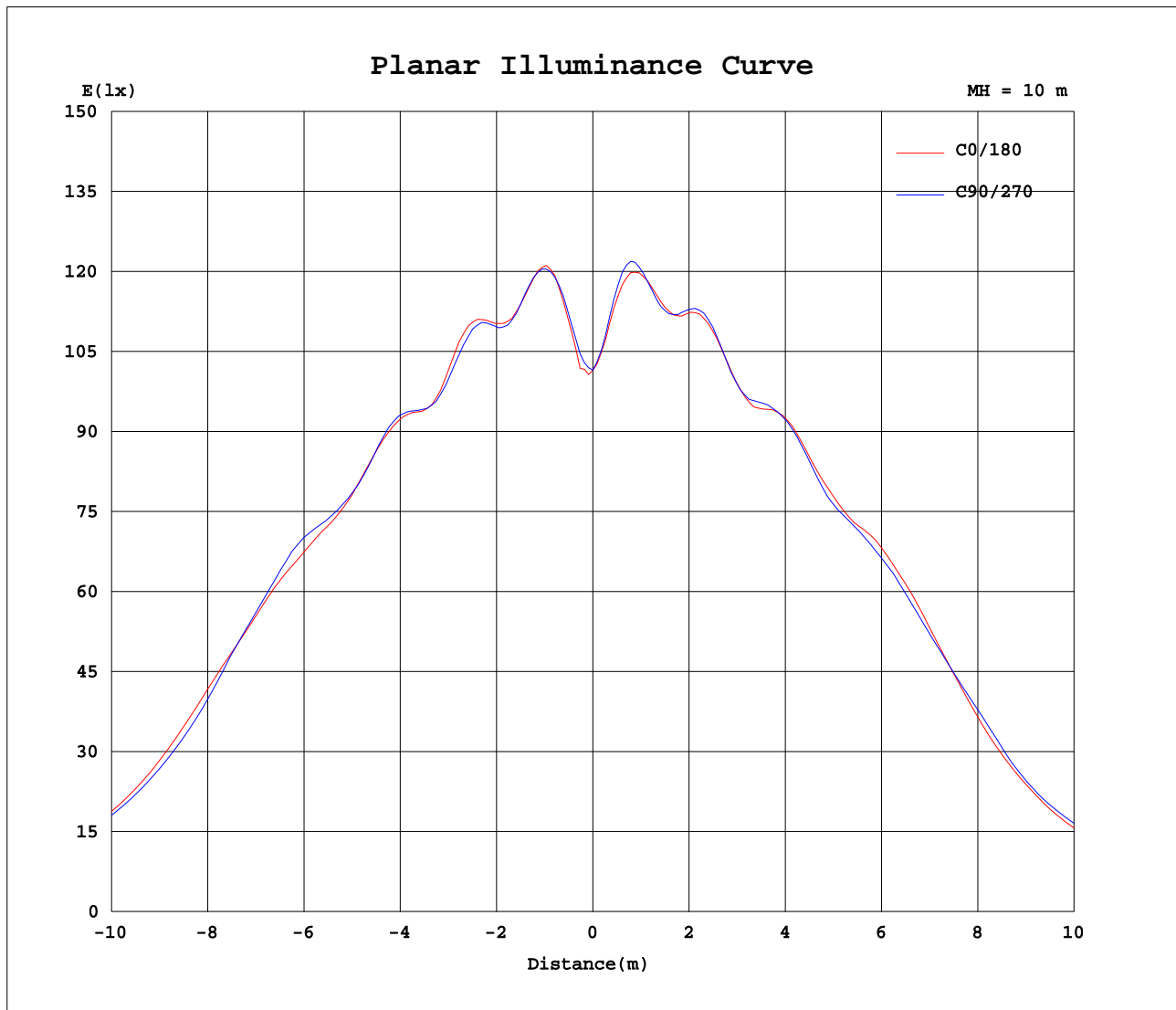
AvgL	cd/m2
L_0~180(65)av	31093
L_0~180(75)av	19231
L_0~180(85)av	8477
L_90~270(65)av	30825
L_90~270(75)av	19017
L_90~270(85)av	8096
L_45(65)av	31003
L_45(75)av	19239
L_45(85)av	8037

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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Table--1

UNIT: ×10cd

C(°) γ (°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015
5	1217	1215	1212	1210	1211	1213	1214	1214	1213	1212	1209	1208	1206	1205	1204	1205	1208	1211	1213
10	1159	1160	1162	1163	1163	1163	1163	1163	1163	1162	1160	1158	1157	1155	1154	1154	1153	1151	1151
15	1203	1201	1199	1198	1196	1194	1193	1192	1191	1189	1186	1184	1182	1181	1183	1185	1185	1185	1180
20	1129	1130	1131	1132	1133	1132	1130	1128	1126	1123	1122	1121	1119	1120	1123	1125	1128	1130	1132
25	1124	1126	1127	1128	1128	1130	1131	1133	1135	1135	1134	1133	1132	1130	1129	1128	1126	1125	1121
30	1075	1077	1080	1083	1086	1087	1089	1090	1092	1093	1093	1092	1093	1093	1095	1097	1100	1103	1106
35	1008	1010	1012	1014	1015	1017	1020	1022	1024	1025	1026	1026	1025	1025	1024	1023	1022	1021	1020
40	805	807	808	809	809	809	809	808	807	805	802	798	795	791	784	778	771	765	759
45	533	537	540	543	545	544	542	539	536	533	531	528	525	522	520	518	516	514	511
50	359	360	361	361	361	360	358	356	353	351	350	348	347	345	344	344	343	342	341
55	243	244	244	244	243	242	240	238	236	234	233	232	231	229	228	227	226	225	223
60	161	161	160	160	159	159	158	157	156	155	154	153	152	151	150	150	150	149	148
65	108	107	107	106	105	104	104	103	102	101	100	100	99.5	98.9	98.4	97.8	97.2	96.4	95.4
70	72.8	71.9	71.0	70.0	69.0	68.3	67.8	67.3	66.7	66.1	65.5	65.0	64.4	63.8	63.3	62.7	62.0	61.3	60.6
75	43.4	42.9	42.3	41.6	40.9	40.3	39.8	39.3	38.7	38.1	37.6	37.2	36.7	36.1	35.6	35.0	34.3	33.7	33.0
80	21.7	21.4	21.0	20.6	20.2	19.7	19.2	18.7	18.1	17.5	17.1	16.6	16.2	15.7	15.3	14.9	14.6	14.2	13.9
85	7.96	7.79	7.61	7.42	7.18	6.89	6.59	6.26	5.92	5.60	5.40	5.19	4.97	4.74	4.55	4.38	4.17	3.93	3.65
90	1.53	1.48	1.43	1.38	1.32	1.26	1.21	1.16	1.10	1.04	1.02	1.04	1.06	1.09	1.14	1.19	1.25	1.30	1.34
95	1.72	1.72	1.72	1.73	1.73	1.74	1.72	1.71	1.70	1.67	1.67	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.65
100	1.79	1.79	1.79	1.79	1.78	1.77	1.75	1.73	1.70	1.67	1.67	1.66	1.65	1.65	1.63	1.61	1.56	1.44	1.57
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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	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	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015
5	1215	1217	1218	1219	1221	1222	1221	1220	1218	1215	1212	1210	1210	1209	1210	1211	1212	1212	1213
10	1153	1154	1155	1156	1157	1158	1159	1158	1156	1155	1154	1153	1153	1156	1160	1164	1167	1170	1170
15	1174	1169	1164	1162	1161	1161	1160	1159	1158	1157	1156	1155	1154	1157	1159	1162	1166	1169	1170
20	1135	1137	1139	1140	1143	1145	1147	1149	1150	1149	1149	1149	1148	1146	1143	1140	1138	1135	1135
25	1117	1113	1109	1106	1108	1109	1112	1113	1113	1111	1109	1107	1106	1106	1107	1108	1109	1109	1107
30	1108	1110	1113	1115	1116	1117	1118	1119	1117	1114	1111	1108	1105	1102	1097	1093	1089	1086	1082
35	1017	1015	1013	1012	1007	1002	998	993	989	984	980	977	973	971	969	968	967	967	963
40	754	748	742	736	730	723	717	711	706	699	693	687	682	681	681	682	684	687	684
45	506	502	497	492	485	478	471	464	458	452	448	443	439	438	439	440	442	444	443
50	338	336	333	331	327	321	316	311	307	303	300	297	294	293	294	295	296	298	299
55	222	221	219	217	215	211	208	205	202	200	198	196	195	194	195	195	196	198	198
60	147	145	143	141	139	137	136	134	132	131	130	129	128	128	128	128	129	129	130
65	94.5	93.6	92.7	91.9	90.6	89.1	87.6	86.0	84.6	83.6	82.7	81.9	81.1	81.1	81.7	82.4	83.1	84.0	84.3
70	59.7	58.9	58.1	57.3	56.2	54.9	53.7	52.5	51.6	51.4	51.2	51.1	51.0	51.3	51.9	52.5	53.2	54.0	54.3
75	32.5	32.0	31.4	30.9	30.2	29.4	28.6	27.9	27.3	27.1	27.0	26.9	26.8	27.1	27.5	28.0	28.6	29.2	29.4
80	13.5	13.1	12.7	12.3	11.9	11.5	11.1	10.7	10.4	10.2	10.1	10.1	10.0	10.2	10.6	11.0	11.4	11.9	12.1
85	3.40	3.14	2.89	2.66	2.48	2.32	2.20	2.14	2.03	2.01	2.06	2.07	2.05	2.18	2.34	2.49	2.64	2.81	2.95
90	1.38	1.41	1.44	1.46	1.49	1.51	1.54	1.57	1.59	1.61	1.63	1.64	1.66	1.65	1.64	1.62	1.60	1.59	1.57
95	1.68	1.70	1.72	1.75	1.77	1.80	1.82	1.84	1.86	1.85	1.83	1.82	1.82	1.82	1.83	1.85	1.87	1.89	1.89
100	1.23	1.09	0.90	0.70	0.53	0.37	0.26	0.18	0.03	0.04	0.06	0.00	0.00	0.03	0.03	0.03	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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	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	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015
5	1213	1214	1214	1216	1217	1219	1221	1225	1227	1230	1230	1230	1228	1228	1229	1230	1231	1232	1231
10	1171	1171	1171	1171	1169	1166	1164	1160	1158	1160	1164	1168	1172	1175	1175	1174	1172	1170	1168
15	1172	1173	1175	1176	1174	1172	1170	1169	1167	1166	1165	1165	1164	1165	1167	1169	1172	1175	1180
20	1135	1135	1135	1135	1137	1140	1142	1144	1146	1147	1148	1148	1149	1148	1147	1145	1145	1143	1142
25	1104	1102	1099	1097	1096	1095	1095	1095	1095	1096	1097	1097	1097	1096	1095	1094	1094	1096	1100
30	1079	1076	1073	1071	1070	1069	1069	1068	1067	1064	1062	1061	1059	1059	1059	1059	1060	1059	1059
35	959	956	953	949	945	941	937	933	933	935	937	939	941	943	944	945	947	950	955
40	681	679	678	678	677	677	678	679	681	683	686	689	692	699	705	712	720	725	732
45	443	442	443	443	443	443	444	444	445	446	447	448	450	454	459	464	468	474	478
50	300	301	302	303	302	302	302	302	304	306	308	311	313	315	316	318	319	322	325
55	200	201	203	204	204	204	204	205	206	208	210	211	213	213	213	213	214	216	218
60	130	131	132	132	132	133	133	134	135	137	138	139	141	141	141	141	142	143	145
65	84.6	85.1	85.6	86.1	86.5	87.1	87.6	88.2	88.9	89.7	90.6	91.5	92.4	93.0	93.5	94.0	94.5	95.6	96.8
70	54.7	55.1	55.6	56.2	56.7	57.4	58.0	58.8	59.2	59.8	60.4	60.9	61.5	62.2	63.0	63.8	64.7	65.2	65.7
75	29.6	29.9	30.3	30.8	31.4	32.1	32.8	33.5	34.1	34.7	35.3	36.0	36.6	37.2	37.7	38.2	38.7	39.3	39.7
80	12.3	12.6	12.9	13.1	13.4	13.7	14.0	14.3	14.8	15.2	15.6	16.1	16.6	17.1	17.6	18.2	18.6	19.1	19.6
85	3.11	3.29	3.48	3.63	3.79	3.96	4.16	4.35	4.55	4.78	5.01	5.24	5.49	5.76	6.05	6.36	6.64	6.92	7.18
90	1.56	1.54	1.53	1.50	1.46	1.42	1.39	1.35	1.31	1.27	1.25	1.23	1.23	1.23	1.25	1.27	1.31	1.36	1.42
95	1.89	1.89	1.89	1.89	1.88	1.87	1.85	1.84	1.83	1.81	1.80	1.79	1.80	1.81	1.83	1.85	1.88	1.85	1.83
100	0.03	0.04	0.04	0.00	0.00	0.07	0.05	0.03	0.20	0.29	0.42	0.61	0.81	1.02	1.23	1.38	1.75	1.59	1.72
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:240.71V I:0.7169A P:170.09W PF:0.9856 Freq:49.99Hz Lamp Flux:22868.9x1 lm																	
NAME: ECOHB200LSE5G7 with Wireguard									TYPE:Highbay						WEIGHT:		
SPEC.:DIP170W									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	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015	1015				
5	1230	1229	1230	1229	1230	1230	1233	1232	1233	1232	1229	1226	1222	1220	1219				
10	1165	1162	1160	1158	1159	1160	1162	1165	1165	1164	1163	1163	1163	1162	1160				
15	1187	1193	1199	1202	1202	1201	1200	1199	1199	1200	1200	1201	1202	1201	1203				
20	1142	1141	1140	1136	1131	1126	1121	1118	1117	1117	1117	1118	1121	1124	1126				
25	1104	1108	1111	1113	1115	1116	1117	1119	1121	1123	1125	1126	1126	1126	1125				
30	1058	1057	1057	1057	1057	1057	1056	1058	1060	1063	1066	1068	1070	1071	1073				
35	960	966	971	975	980	983	986	991	996	1002	1007	1010	1010	1010	1009				
40	738	743	749	757	765	772	779	786	792	797	802	805	806	806	806				
45	483	487	492	495	498	501	504	509	516	522	527	531	532	533	533				
50	328	330	333	336	339	342	345	349	353	357	361	362	362	362	361				
55	220	222	225	229	232	235	239	241	243	245	246	247	246	246	245				
60	146	148	150	153	155	158	161	162	163	164	164	164	164	163	162				
65	97.9	99.1	100	102	104	106	108	109	109	109	110	110	109	109	108				
70	66.2	66.7	67.7	69.3	70.9	72.5	74.1	74.4	74.4	74.4	74.4	74.2	74.0	73.6	73.2				
75	40.1	40.4	41.2	42.5	43.7	45.0	46.3	46.5	46.4	46.4	46.2	45.9	45.4	44.8	44.1				
80	20.0	20.4	20.9	21.5	22.1	22.7	23.2	23.5	23.6	23.7	23.8	23.6	23.2	22.7	22.2				
85	7.43	7.67	7.87	8.02	8.18	8.33	8.45	8.57	8.70	8.81	8.87	8.85	8.68	8.47	8.22				
90	1.48	1.53	1.58	1.61	1.63	1.66	1.67	1.69	1.70	1.72	1.73	1.72	1.68	1.64	1.59				
95	1.81	1.79	1.76	1.73	1.70	1.66	1.63	1.62	1.60	1.59	1.58	1.59	1.61	1.65	1.68				
100	1.76	1.78	1.78	1.78	1.78	1.79	1.79	1.80	1.80	1.81	1.81	1.81	1.80	1.80	1.80				
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: