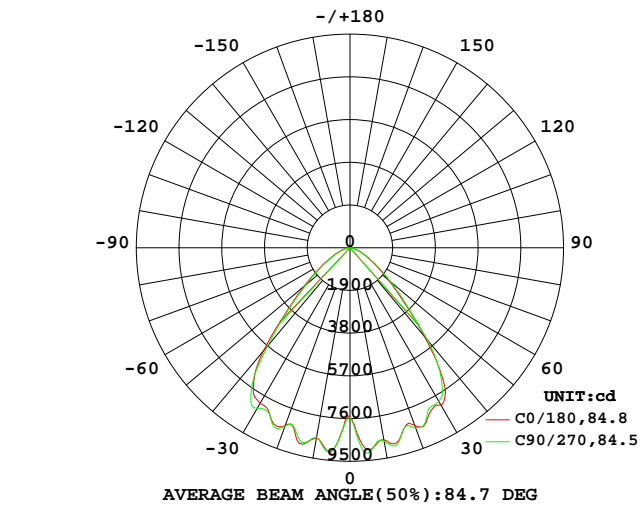


LUMINAIRE PHOTOMETRIC TEST REPORT

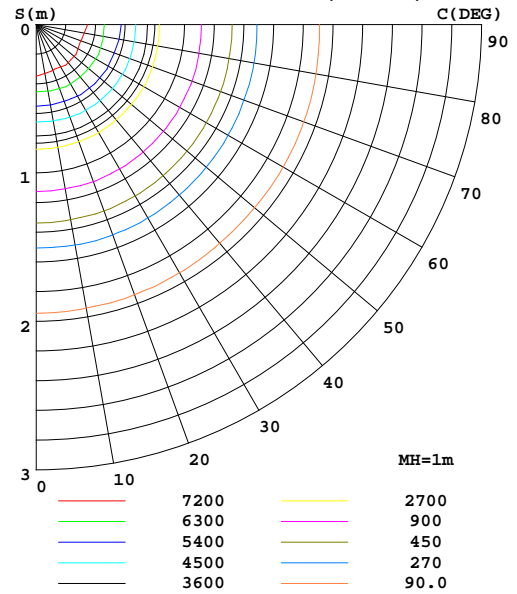
Test:U:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.77 lm/W			
MODEL	1	Imax(cd)	9313	S/MH(C0/180)	1.26
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	17057	η UP,DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	17057.3	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	8613	8634	8576	8610	8682	8615	8727	8663	0- 10	840.3	840.3	4.93,4.93
20	8404	8365	8430	8563	8413	8515	8522	8362	10- 20	2442	3282	19.2,19.2
30	7984	8143	8241	8343	8064	7954	7894	7875	20- 30	3833	7115	41.7,41.7
40	5977	5999	5702	5327	5177	5119	5377	5816	30- 40	4477	11592	68,68
50	2660	2612	2559	2312	2240	2259	2376	2560	40- 50	2890	14482	84.9,84.9
60	1181	1139	1102	988.2	971.0	1004	1054	1192	50- 60	1500	15982	93.7,93.7
70	534.0	487.0	451.5	387.0	404.3	437.1	478.9	546.7	60- 70	721.1	16703	97.9,97.9
80	156.7	130.2	101.9	77.62	88.93	106.9	137.1	169.0	70- 80	290.1	16993	99.6,99.6
90	10.26	6.710	9.131	10.97	10.84	9.068	8.898	11.39	80- 90	50.84	17044	99.9,99.9
100	12.46	11.58	10.87	0.0346	0	0.0385	12.24	12.46	90-100	12.27	17056	100,100
110	0	0	0	0	0	0	0	0	100-110	0.9866	17057	100,100
120	0	0	0	0	0	0	0	0	110-120	0	17057	100,100
130	0	0	0	0	0	0	0	0	120-130	0	17057	100,100
140	0	0	0	0	0	0	0	0	130-140	0	17057	100,100
150	0	0	0	0	0	0	0	0	140-150	0	17057	100,100
160	0	0	0	0	0	0	0	0	150-160	0	17057	100,100
170	0	0	0	0	0	0	0	0	160-170	0	17057	100,100
180	0	0	0	0	0	0	0	0	170-180	0	17057	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 13269 lm

%lum = 77.8%

%lamp = 77.8%

Conical surface Flux(120deg): 15982 lm

%lum = 93.7%

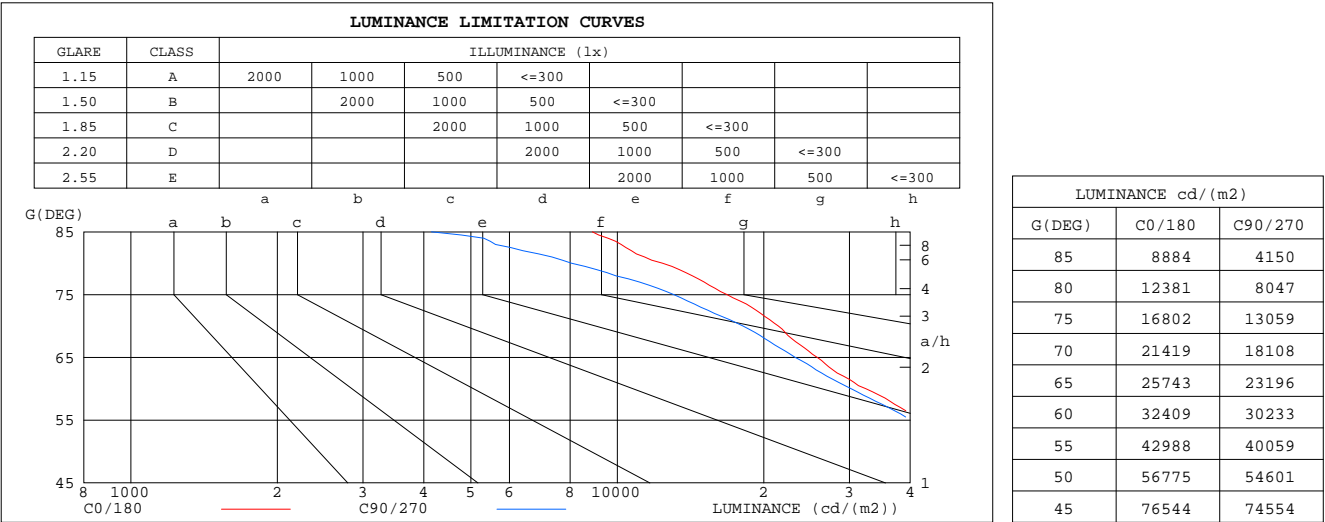
%lamp = 93.7%

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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



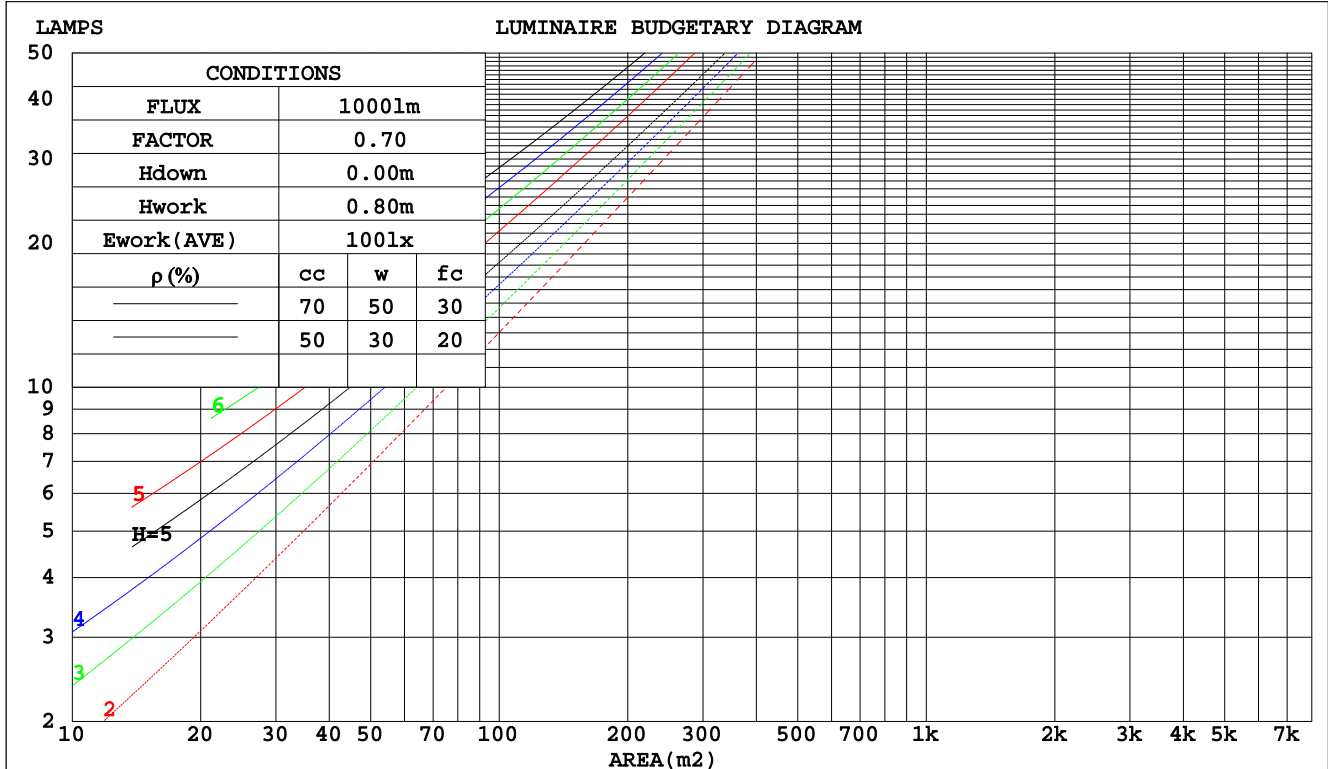
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm					
NAME: ECOHB200LSE5G7 with Wireguard			TYPE:Highbay		WEIGHT:
SPEC.:DIP120W			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	.200	.115	.037	.189	.109	.035	
2.0	.224	.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	.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	.175	.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	.138	.090	.054	.119	.078	.047	.082	.054	.033	.047	.032	.020	.015	.010	.006	
6.0	.132	.081	.044	.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	.094	.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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm										
NAME: ECOHB200LSE5G7 with Wireguard					TYPE:Highbay			WEIGHT:		
SPEC.:DIP120W					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	25.5	26.7	25.7	26.9	27.1	25.3	26.6	25.5	26.7	26.9
3H	25.8	26.9	26.0	27.1	27.3	25.5	26.7	25.8	26.9	27.1
4H	25.8	26.9	26.1	27.2	27.4	25.5	26.6	25.8	26.9	27.1
6H	25.8	26.9	26.2	27.1	27.4	25.5	26.5	25.8	26.8	27.0
8H	25.8	26.8	26.2	27.1	27.4	25.5	26.5	25.8	26.7	27.0
12H	25.8	26.7	26.1	27.0	27.3	25.4	26.4	25.8	26.7	26.9
4H 2H	25.5	26.6	25.8	26.8	27.1	25.3	26.4	25.6	26.7	26.9
3H	25.9	26.8	26.2	27.1	27.4	25.7	26.6	26.0	26.9	27.2
4H	26.0	26.9	26.4	27.2	27.5	25.8	26.6	26.1	26.9	27.2
6H	26.1	26.9	26.5	27.2	27.6	25.8	26.5	26.2	26.9	27.2
8H	26.1	26.8	26.5	27.2	27.5	25.7	26.4	26.1	26.8	27.2
12H	26.1	26.7	26.5	27.1	27.5	25.7	26.3	26.1	26.7	27.1
8H 4H	26.0	26.7	26.4	27.1	27.4	25.7	26.4	26.1	26.8	27.2
6H	26.1	26.7	26.6	27.1	27.5	25.8	26.3	26.2	26.7	27.2
8H	26.1	26.6	26.6	27.1	27.5	25.8	26.3	26.2	26.7	27.1
12H	26.1	26.6	26.6	27.0	27.5	25.7	26.2	26.2	26.6	27.1
12H 4H	26.0	26.6	26.4	27.0	27.4	25.7	26.3	26.1	26.7	27.1
6H	26.1	26.6	26.5	27.0	27.5	25.8	26.3	26.2	26.7	27.1
8H	26.1	26.5	26.6	27.0	27.5	25.8	26.2	26.2	26.6	27.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 1.7					+ 1.3 / - 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, 17057 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.9$)
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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

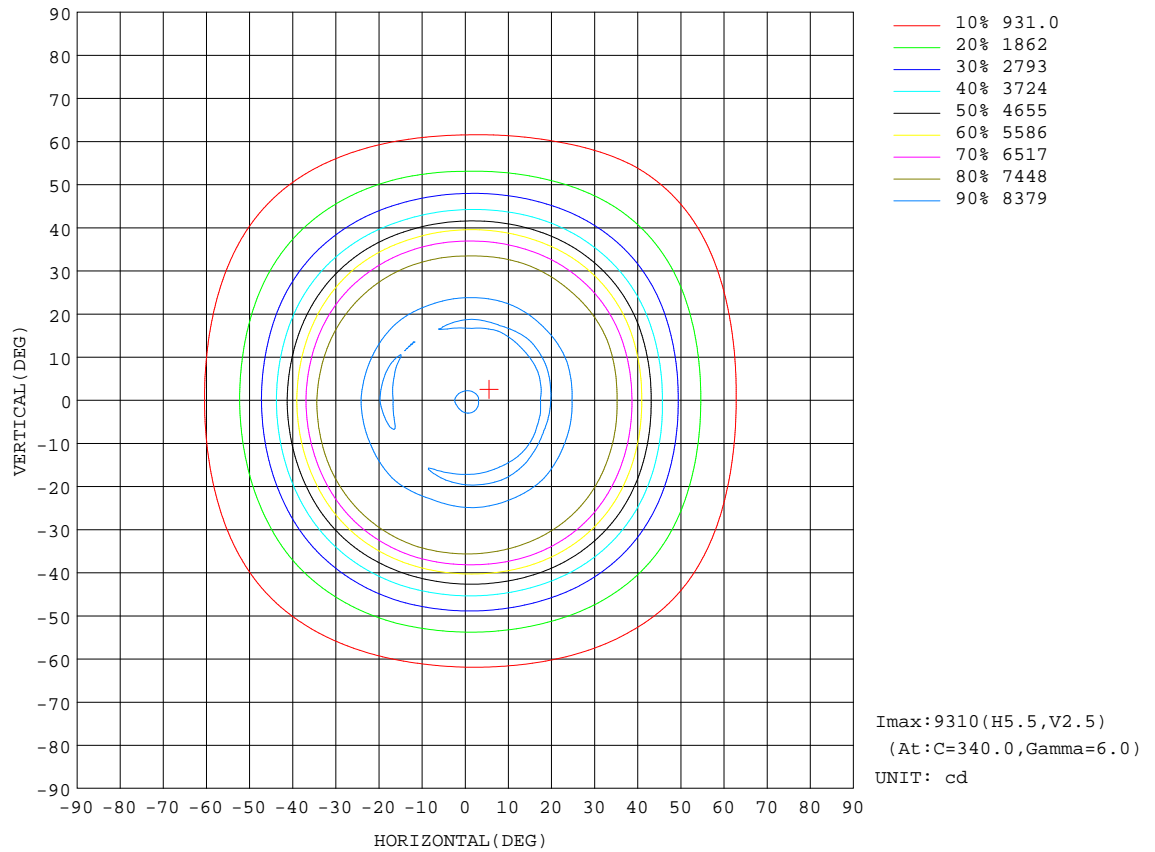
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	62	57	71	62	56	70	61	56	51
0.80	81	72	66	80	72	66	78	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	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

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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

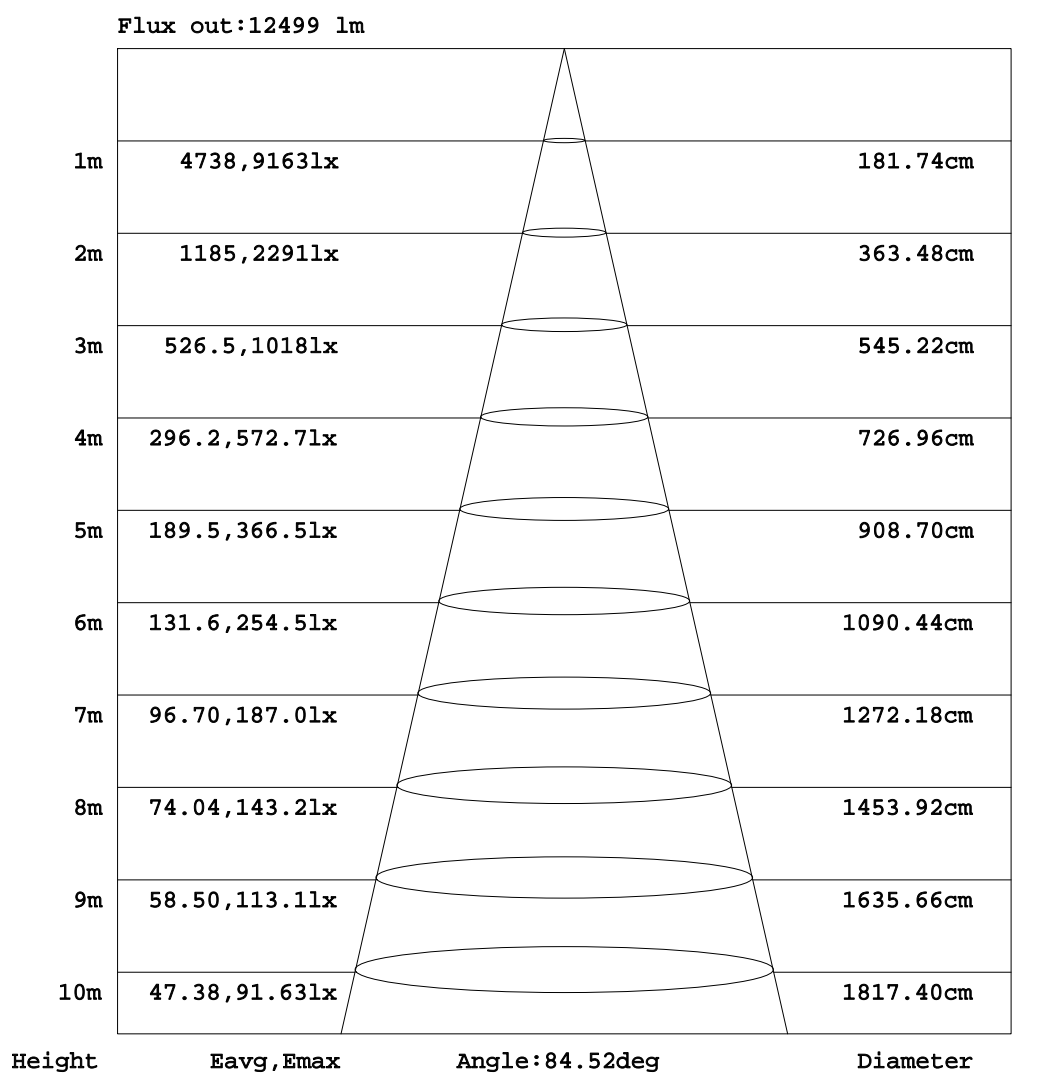


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



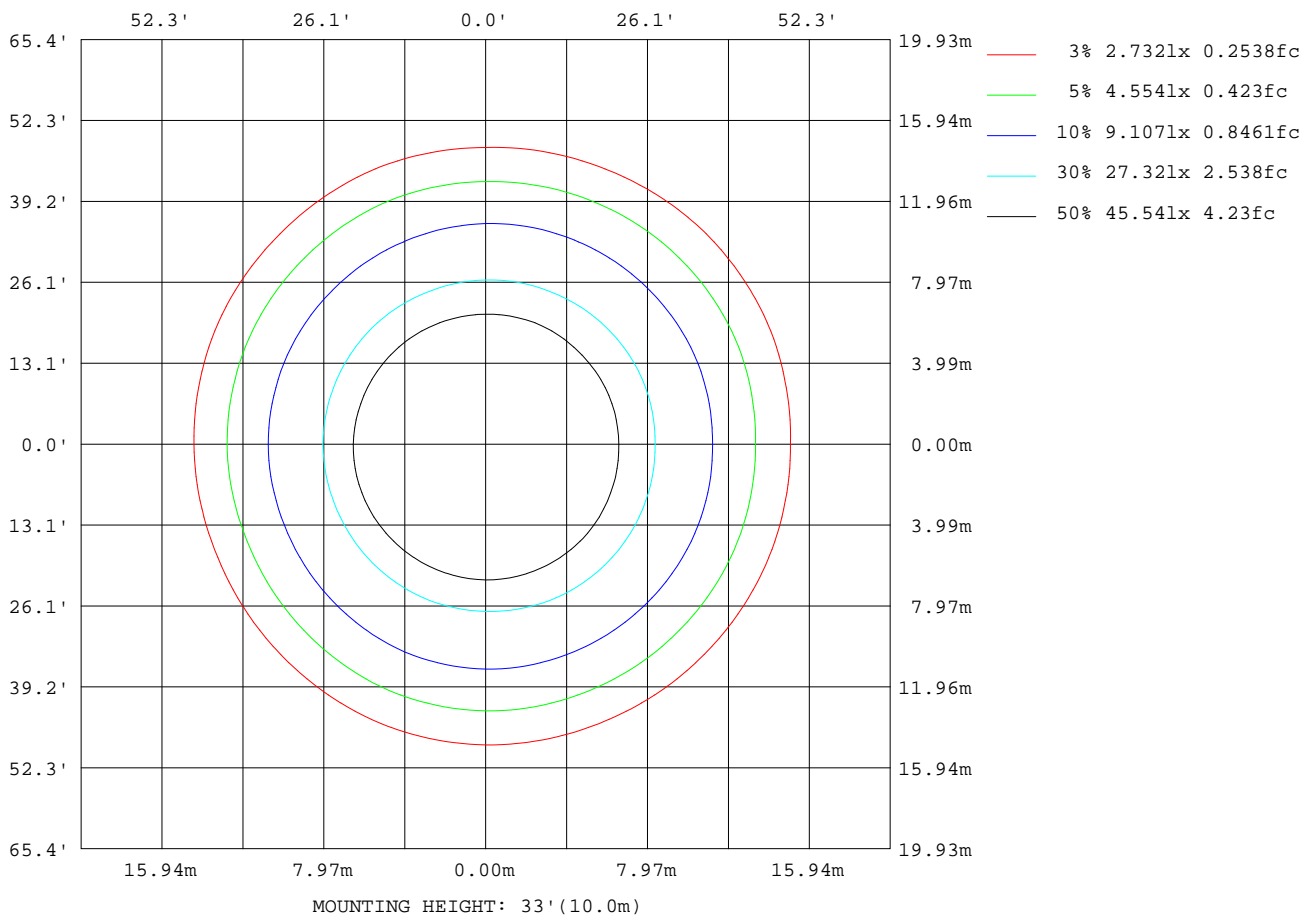
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm		
NAME: ECOHB200LSE5G7 with Wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

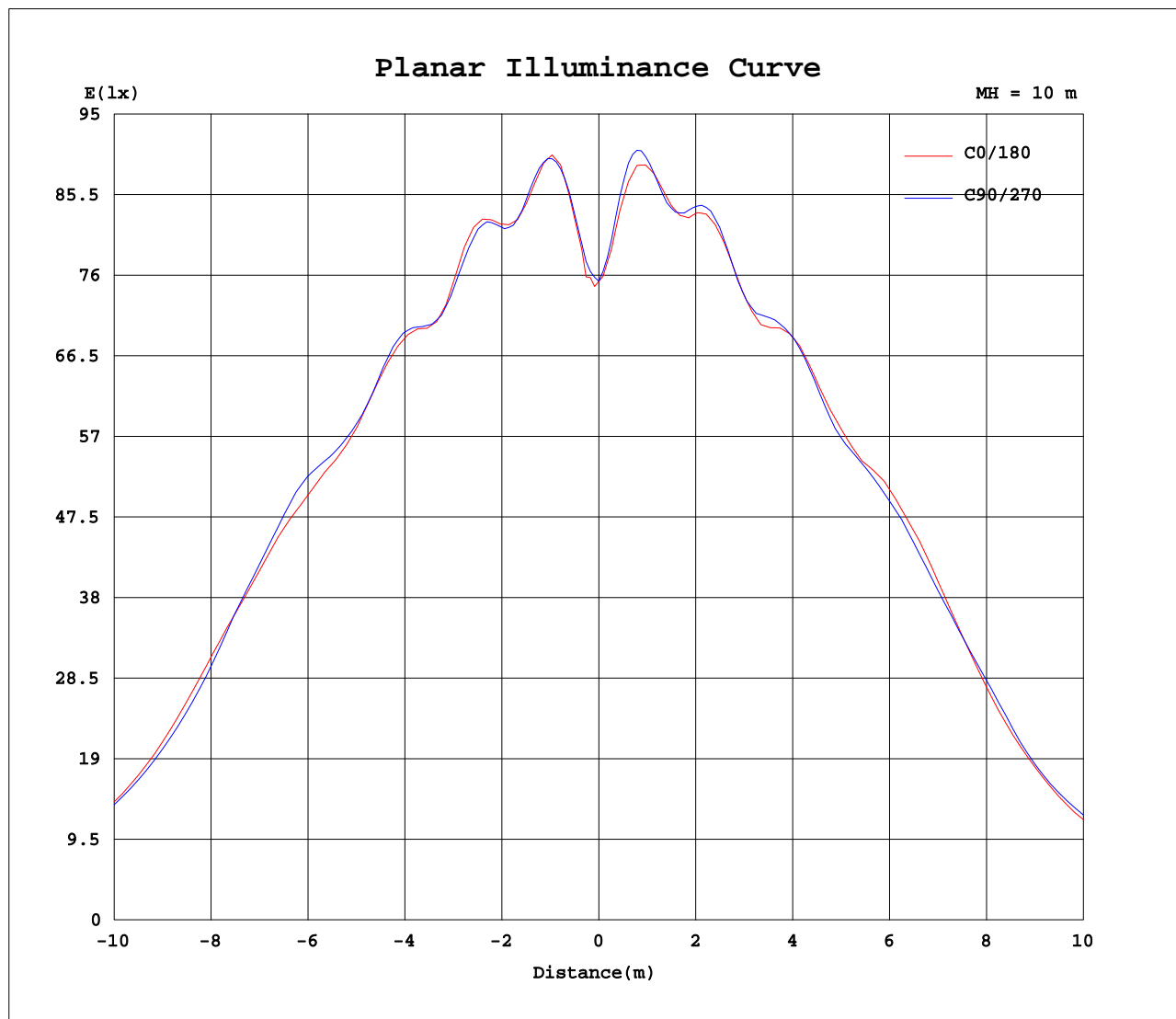
AvgL	cd/m2
L_0~180(65)av	23068
L_0~180(75)av	14127
L_0~180(85)av	6104
L_90~270(65)av	23013
L_90~270(75)av	14144
L_90~270(85)av	5861
L_45(65)av	23068
L_45(75)av	14222
L_45(85)av	5771

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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm																	
NAME: ECOHB200LSE5G7 with Wireguard									TYPE:Highbay						WEIGHT:		
SPEC.:DIP120W									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	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529
5	9064	9050	9040	9035	9039	9054	9076	9078	9058	9051	9023	9010	8993	8981	8973	8982	9004	9023	9037
10	8613	8620	8627	8633	8637	8642	8644	8647	8645	8634	8621	8612	8598	8595	8590	8585	8572	8569	8576
15	8930	8922	8912	8901	8888	8880	8874	8871	8867	8853	8835	8812	8791	8791	8806	8821	8832	8840	8796
20	8404	8410	8417	8425	8435	8426	8413	8400	8386	8365	8355	8341	8330	8332	8355	8377	8396	8414	8430
25	8343	8355	8365	8372	8378	8391	8406	8422	8438	8445	8440	8432	8421	8409	8403	8395	8387	8376	8351
30	7984	8007	8031	8054	8077	8092	8105	8119	8134	8143	8139	8137	8138	8143	8159	8178	8199	8220	8241
35	7489	7508	7524	7538	7550	7571	7594	7615	7632	7644	7649	7653	7652	7651	7647	7643	7640	7636	7628
40	5977	5994	6007	6014	6016	6019	6022	6019	6011	5999	5984	5966	5945	5920	5877	5831	5786	5743	5702
45	3946	3976	4003	4025	4043	4042	4027	4009	3988	3969	3957	3943	3926	3909	3897	3887	3876	3863	3843
50	2660	2667	2672	2674	2674	2668	2657	2643	2627	2612	2605	2597	2586	2575	2571	2569	2567	2565	2559
55	1797	1801	1802	1802	1800	1792	1780	1766	1751	1737	1730	1725	1718	1710	1704	1698	1692	1686	1675
60	1181	1182	1181	1179	1175	1171	1164	1156	1148	1139	1136	1133	1129	1125	1121	1117	1112	1108	1102
65	793	790	786	781	776	770	765	759	753	747	745	743	740	736	733	729	725	721	715
70	534	528	522	514	507	502	499	495	491	487	483	480	476	473	469	466	461	457	451
75	317	313	309	305	300	295	292	288	284	280	277	274	270	267	263	258	254	250	246
80	157	155	152	149	146	143	140	137	134	130	127	123	119	116	113	110	107	105	102
85	56.4	55.3	53.9	52.5	50.9	49.0	46.8	44.6	42.3	39.9	38.6	37.2	35.7	34.1	32.7	31.5	30.0	28.3	26.4
90	10.3	9.91	9.54	9.14	8.72	8.32	7.94	7.54	7.13	6.71	6.61	6.80	7.03	7.29	7.67	8.09	8.48	8.83	9.13
95	12.1	12.1	12.1	12.1	12.2	12.2	12.1	11.9	11.8	11.6	11.6	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.5
100	12.5	12.5	12.4	12.4	12.4	12.3	12.1	12.0	11.8	11.6	11.6	11.5	11.5	11.4	11.3	11.2	11.1	10.5	10.9
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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm																		
NAME: ECOHB200LSE5G7 with Wireguard									TYPE:Highbay					WEIGHT:				
SPEC.:DIP120W									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	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529
5	9053	9066	9079	9089	9103	9116	9115	9099	9089	9065	9050	9029	9020	9016	9012	9008	9005	9001	9010
10	8588	8593	8596	8607	8616	8623	8628	8626	8610	8604	8594	8585	8583	8604	8624	8645	8664	8682	8687
15	8750	8713	8679	8663	8660	8658	8656	8654	8647	8638	8630	8624	8619	8632	8648	8666	8684	8705	8715
20	8448	8460	8472	8484	8504	8522	8539	8555	8563	8564	8562	8559	8554	8530	8501	8473	8444	8413	8418
25	8324	8293	8264	8239	8255	8271	8290	8307	8309	8294	8280	8268	8258	8254	8253	8253	8254	8257	8236
30	8258	8276	8294	8312	8326	8336	8344	8354	8343	8322	8299	8280	8258	8223	8182	8142	8103	8064	8043
35	7609	7595	7584	7577	7551	7521	7493	7462	7434	7410	7384	7362	7339	7314	7293	7275	7262	7253	7220
40	5666	5626	5585	5544	5495	5448	5405	5366	5327	5279	5236	5196	5160	5146	5147	5152	5162	5177	5153
45	3812	3780	3748	3718	3666	3610	3556	3506	3459	3420	3385	3353	3324	3314	3317	3323	3332	3345	3336
50	2540	2523	2506	2492	2458	2419	2381	2345	2312	2288	2265	2243	2224	2216	2219	2224	2231	2240	2244
55	1667	1657	1647	1637	1616	1592	1568	1546	1525	1509	1494	1480	1467	1463	1465	1470	1476	1483	1491
60	1091	1081	1070	1059	1045	1029	1014	1000	988	979	972	965	960	959	961	964	967	971	971
65	707	701	695	689	680	669	657	645	634	627	620	614	608	608	612	617	622	628	630
70	446	440	434	428	420	411	402	394	387	385	384	383	383	385	389	394	399	404	407
75	242	238	233	229	224	219	214	209	205	203	202	201	201	202	205	208	212	216	218
80	99.6	96.8	94.2	91.6	88.8	85.7	82.9	80.1	77.6	76.7	76.1	75.6	75.4	76.7	79.4	82.4	85.6	88.9	90.5
85	24.6	22.7	21.0	19.3	17.9	16.6	15.5	15.0	14.3	14.3	14.5	14.5	14.6	15.5	16.9	18.3	19.7	21.1	22.1
90	9.38	9.62	9.83	10.0	10.2	10.4	10.6	10.8	11.0	11.1	11.3	11.4	11.5	11.5	11.3	11.2	11.0	10.8	10.7
95	11.7	11.8	12.0	12.2	12.4	12.7	12.9	13.0	13.2	13.1	13.0	12.9	12.8	12.8	12.9	13.0	13.0	13.1	13.2
100	9.27	8.00	6.59	5.23	3.93	2.71	1.71	0.89	0.03	0.17	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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm																		
NAME: ECOHB200LSE5G7 with Wireguard									TYPE:Highbay					WEIGHT:				
SPEC.:DIP120W									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	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529
5	9018	9026	9035	9044	9057	9077	9094	9124	9142	9168	9173	9161	9150	9149	9153	9162	9172	9179	9179
10	8690	8693	8696	8695	8681	8663	8642	8615	8597	8622	8658	8691	8722	8747	8749	8742	8727	8711	8696
15	8727	8741	8756	8768	8754	8738	8725	8712	8701	8691	8682	8677	8675	8680	8693	8707	8728	8748	8793
20	8422	8425	8428	8434	8454	8474	8495	8515	8528	8534	8539	8545	8551	8546	8538	8528	8522	8513	8510
25	8216	8198	8181	8167	8160	8156	8153	8152	8157	8164	8167	8170	8169	8158	8150	8147	8145	8159	8191
30	8023	8003	7983	7968	7963	7959	7956	7954	7943	7925	7910	7897	7887	7888	7889	7890	7894	7891	7885
35	7192	7166	7144	7118	7081	7046	7014	6984	6982	6993	7006	7020	7033	7041	7048	7054	7060	7084	7122
40	5135	5122	5114	5108	5103	5103	5108	5119	5129	5140	5153	5170	5193	5237	5282	5325	5377	5417	5462
45	3330	3327	3327	3328	3328	3329	3332	3336	3340	3344	3350	3357	3369	3400	3432	3466	3496	3532	3564
50	2250	2258	2268	2272	2266	2263	2260	2259	2271	2288	2306	2324	2341	2349	2358	2367	2376	2397	2419
55	1500	1511	1523	1531	1530	1531	1531	1533	1542	1554	1567	1580	1588	1588	1589	1591	1594	1610	1626
60	972	974	977	980	985	991	996	1004	1010	1018	1025	1033	1039	1043	1047	1051	1054	1063	1073
65	633	636	640	644	647	651	654	659	664	670	676	683	689	693	697	700	703	711	720
70	409	413	416	420	424	428	432	437	441	445	448	452	456	461	467	473	479	483	486
75	221	224	227	230	234	239	243	248	253	258	263	268	273	276	280	284	287	291	293
80	92.4	94.4	96.6	98.7	100	102	105	107	110	113	117	121	125	128	131	134	137	141	144
85	23.2	24.5	25.9	27.2	28.4	29.5	30.9	32.2	33.6	35.2	36.7	38.2	39.9	41.9	43.9	46.0	48.1	50.0	51.8
90	10.6	10.5	10.4	10.2	9.91	9.63	9.35	9.07	8.80	8.56	8.39	8.32	8.31	8.35	8.46	8.64	8.90	9.27	9.65
95	13.2	13.2	13.2	13.1	13.1	13.0	12.9	12.8	12.7	12.6	12.5	12.5	12.6	12.7	12.8	13.0	13.2	13.0	12.9
100	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.04	0.99	1.93	3.09	4.52	6.01	7.54	9.10	10.5	12.2	11.7	12.3
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:240.84V I:0.5211A P:122.04W PF:0.9724 Freq:49.99Hz Lamp Flux:17057.3x1 lm																	
NAME: ECOHB200LSE5G7 with Wireguard									TYPE:Highbay						WEIGHT:		
SPEC.:DIP120W									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	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529	7529				
5	9175	9170	9167	9169	9173	9180	9213	9212	9224	9221	9197	9179	9155	9122	9091				
10	8679	8659	8641	8625	8635	8644	8663	8683	8674	8672	8665	8655	8642	8628					
15	8843	8889	8934	8957	8955	8954	8944	8937	8944	8948	8952	8956	8951	8945	8938				
20	8511	8508	8505	8475	8437	8399	8362	8341	8339	8338	8339	8344	8358	8372	8387				
25	8221	8249	8275	8291	8304	8314	8321	8334	8353	8370	8386	8395	8384	8372	8358				
30	7880	7876	7873	7875	7875	7875	7875	7887	7908	7929	7949	7965	7970	7975	7980				
35	7161	7200	7238	7272	7304	7330	7353	7390	7433	7473	7512	7533	7525	7515	7503				
40	5503	5542	5583	5644	5704	5764	5816	5862	5906	5943	5978	6000	6001	5997	5989				
45	3597	3630	3661	3685	3708	3729	3749	3787	3831	3873	3913	3940	3948	3951	3950				
50	2441	2462	2481	2502	2522	2541	2560	2589	2620	2649	2675	2689	2685	2679	2671				
55	1642	1657	1674	1699	1724	1747	1770	1786	1800	1814	1826	1830	1825	1817	1808				
60	1083	1092	1105	1126	1149	1170	1192	1198	1203	1207	1211	1211	1206	1199	1191				
65	728	736	746	760	775	789	803	806	808	810	811	810	807	803	799				
70	490	493	500	512	524	535	547	548	549	549	549	547	545	542	538				
75	296	298	303	313	322	331	340	341	341	341	340	337	333	328	323				
80	147	150	154	157	161	165	169	171	172	173	174	172	169	165	161				
85	53.6	55.3	56.6	57.6	58.5	59.5	60.2	61.1	62.0	62.7	63.3	63.0	61.7	60.2	58.4				
90	10.0	10.4	10.7	10.9	11.1	11.3	11.4	11.4	11.5	11.6	11.7	11.6	11.3	11.0	10.7				
95	12.7	12.5	12.4	12.1	11.9	11.7	11.4	11.3	11.2	11.2	11.1	11.1	11.3	11.6	11.8				
100	12.4	12.5	12.5	12.4	12.4	12.5	12.5	12.5	12.6	12.6	12.7	12.7	12.6	12.6	12.5				
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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 Operators:01
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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%
 Test Distance:8.750m [K=1.0000]
 Remarks: