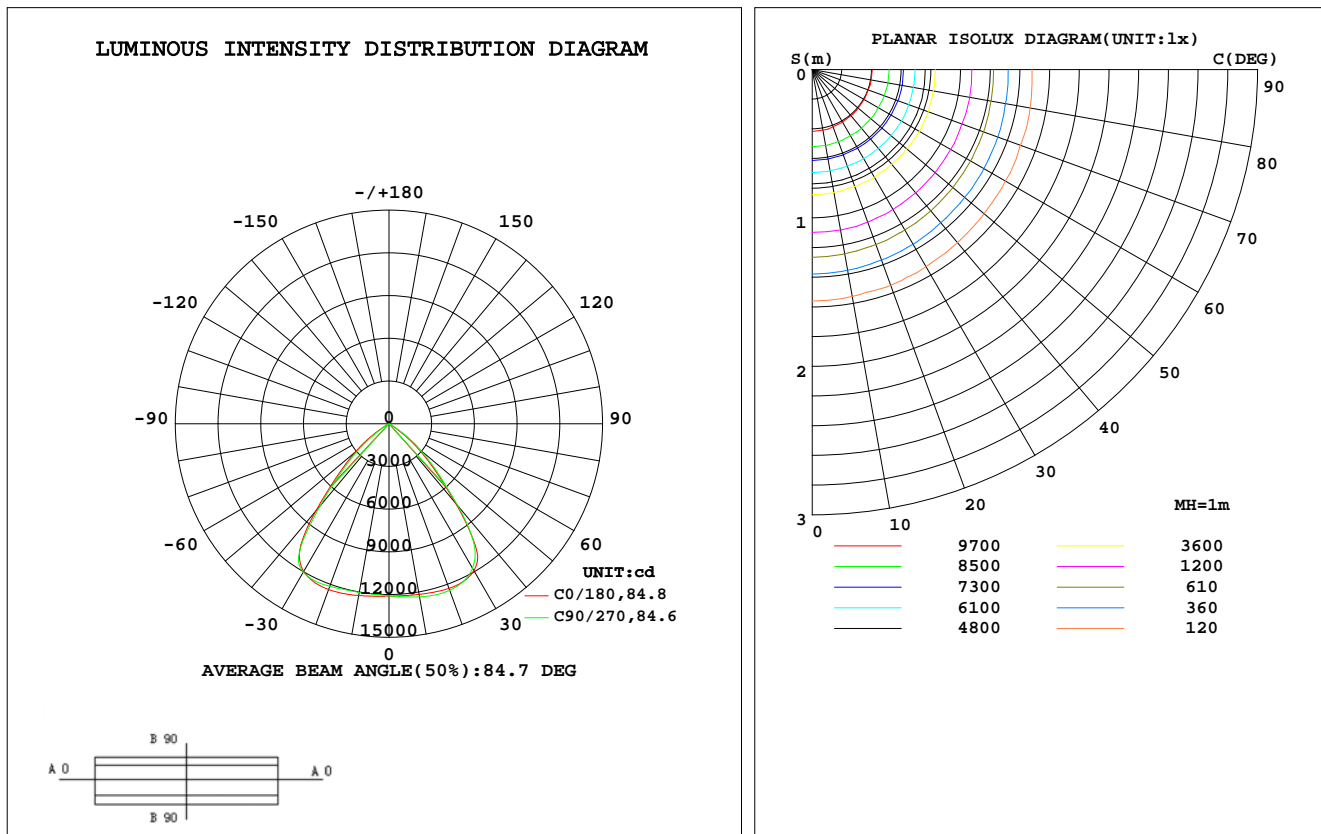


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm		
NAME: ECOHB200LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 176.52 lm/W			
MODEL	1	Imax(cd)	12472	S/MH(C0/180)	1.21
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	21669	η UP,DN(C0-180)	0.0,49.6
NOMINAL FLUX(lm)	21669.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	240	η down(%)	100.0	CIBSE SHR MAX	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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1225	1210	1202	1204	1217	1228	1234	1231	0- 10	1159	1159	5.35,5.35
20	1239	1221	1215	1218	1231	1243	1245	1241	10- 20	3478	4637	21.4,21.4
30	1198	1197	1204	1198	1191	1185	1173	1177	20- 30	5643	10279	47.4,47.4
40	800.0	778.7	751.0	718.7	725.8	715.5	751.7	795.0	30- 40	6442	16721	77.2,77.2
50	306.5	281.8	261.6	240.5	254.2	267.8	293.9	313.6	40- 50	3698	20419	94.2,94.2
60	28.06	24.02	18.49	15.91	17.49	22.09	28.50	33.73	50- 60	1116	21536	99.4,99.4
70	5.067	4.270	2.793	2.480	3.364	4.675	5.161	5.012	60- 70	101.5	21637	99.9,99.9
80	1.701	1.321	0.7390	0.6115	1.067	1.702	1.952	1.732	70- 80	26.70	21664	100,100
90	0.0000	0	0	0	0	0	0	0.0000	80- 90	5.565	21669	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0000	21669	100,100
110	0	0	0	0	0	0	0	0	100-110	0	21669	100,100
120	0	0	0	0	0	0	0	0	110-120	0	21669	100,100
130	0	0	0	0	0	0	0	0	120-130	0	21669	100,100
140	0	0	0	0	0	0	0	0	130-140	0	21669	100,100
150	0	0	0	0	0	0	0	0	140-150	0	21669	100,100
160	0	0	0	0	0	0	0	0	150-160	0	21669	100,100
170	0	0	0	0	0	0	0	0	160-170	0	21669	100,100
180	0	0	0	0	0	0	0	0	170-180	0	21669	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 18935 lm

%lum = 87.4%

%lamp = 87.4%

Conical surface Flux(120deg): 21536 lm

%lum = 99.4%

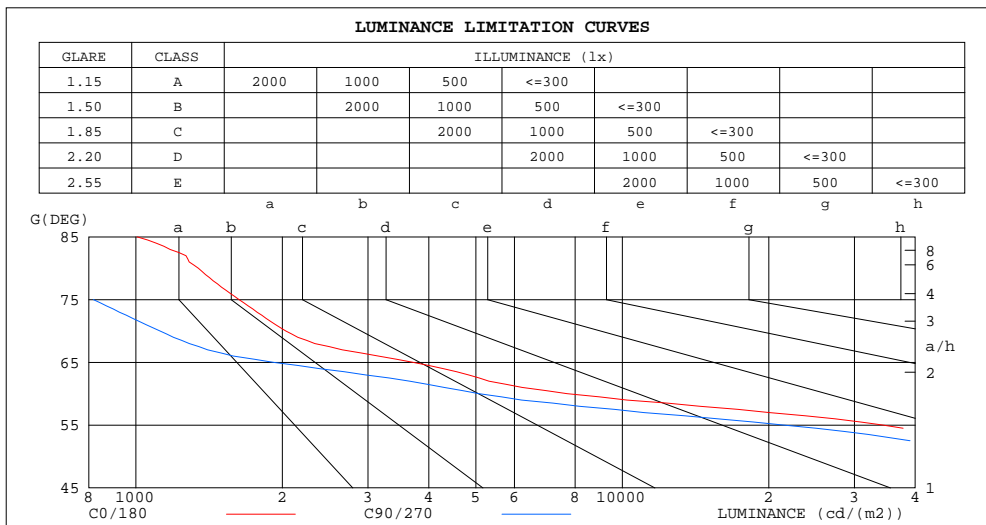
%lamp = 99.4%

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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm		
NAME: ECOHB200LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1006	165
80	1344	584
75	1629	818
70	2032	1120
65	3708	1915
60	7699	5074
55	34313	21409
50	65417	55830
45	97735	89961

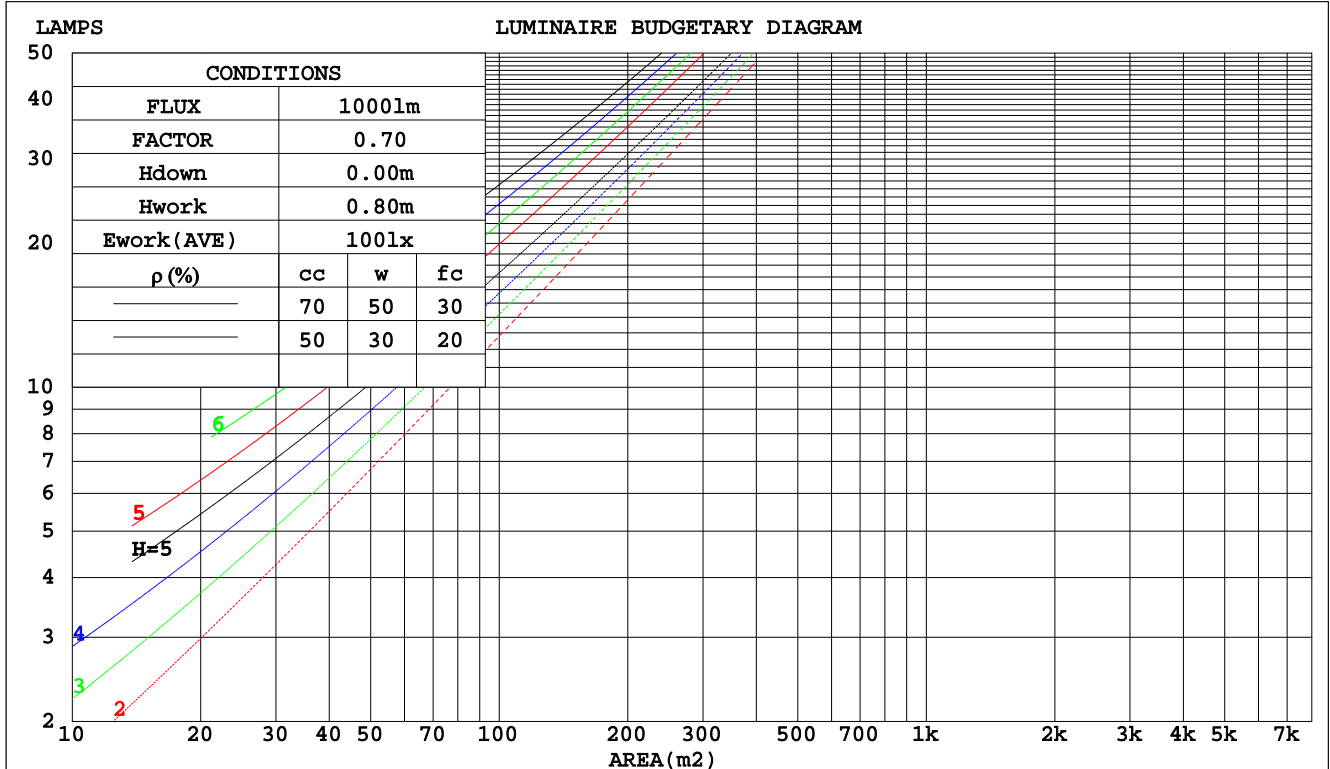
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm		
NAME: ECOHB200LSE5G7 with AL Reflector	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															



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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm					
NAME: ECOHB200LSE5G7 with AL Relfector			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	.205	.116	.037	.198	.113	.036	.185	.106	.034	.174	.100	.032	.163	.094	.030	
2.0	.200	.110	.034	.194	.107	.033	.184	.102	.032	.174	.097	.030	.164	.093	.029	
3.0	.193	.103	.031	.188	.101	.030	.178	.097	.029	.170	.093	.029	.162	.089	.028	
4.0	.185	.096	.028	.180	.094	.028	.172	.091	.027	.164	.088	.027	.157	.085	.026	
5.0	.176	.090	.026	.172	.089	.026	.165	.086	.025	.158	.084	.025	.152	.081	.024	
6.0	.168	.084	.024	.165	.083	.024	.158	.081	.024	.152	.079	.023	.147	.077	.023	
7.0	.160	.079	.022	.157	.078	.022	.152	.077	.022	.146	.075	.022	.141	.073	.022	
8.0	.153	.075	.021	.150	.074	.021	.145	.073	.021	.140	.071	.020	.136	.070	.020	
9.0	.146	.071	.020	.144	.070	.020	.139	.069	.019	.135	.067	.019	.130	.066	.019	
10.0	.140	.067	.019	.137	.066	.019	.133	.065	.018	.129	.064	.018	.125	.063	.018	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.150	.114	.085	.128	.098	.074	.088	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.133	.088	.055	.115	.077	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.127	.080	.046	.109	.069	.040	.075	.048	.028	.044	.028	.017	.014	.009	.006	
7.0	.121	.072	.038	.104	.063	.033	.072	.044	.024	.042	.026	.014	.013	.008	.005	
8.0	.116	.067	.033	.099	.058	.029	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.095	.053	.025	.066	.038	.018	.038	.022	.011	.012	.007	.003	
10.0	.106	.057	.025	.091	.050	.022	.063	.035	.016	.037	.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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm										
NAME: ECOHB200LSE5G7 with AL Relfector					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	25.3	26.5	25.6	26.7	26.9	25.0	26.2	25.2	26.3	26.5
3H	25.1	26.2	25.4	26.4	26.6	24.8	25.9	25.1	26.1	26.3
4H	25.1	26.1	25.3	26.3	26.5	24.7	25.7	25.0	25.9	26.2
6H	25.0	25.9	25.3	26.1	26.4	24.6	25.6	24.9	25.8	26.1
8H	24.9	25.8	25.2	26.1	26.3	24.6	25.5	24.9	25.7	26.0
12H	24.9	25.7	25.2	26.0	26.3	24.5	25.4	24.9	25.7	25.9
4H 2H	25.1	26.1	25.4	26.3	26.5	24.8	25.8	25.0	26.0	26.2
3H	24.9	25.8	25.2	26.0	26.3	24.6	25.4	24.9	25.7	26.0
4H	24.8	25.6	25.2	25.9	26.2	24.5	25.2	24.8	25.6	25.9
6H	24.7	25.4	25.1	25.7	26.1	24.4	25.1	24.8	25.4	25.7
8H	24.7	25.3	25.1	25.6	26.0	24.3	25.0	24.7	25.3	25.7
12H	24.6	25.2	25.0	25.6	26.0	24.3	24.9	24.7	25.2	25.6
8H 4H	24.7	25.3	25.1	25.6	26.0	24.3	25.0	24.7	25.3	25.7
6H	24.6	25.1	25.0	25.5	25.9	24.2	24.8	24.7	25.1	25.6
8H	24.5	25.0	25.0	25.4	25.8	24.2	24.6	24.7	25.1	25.5
12H	24.5	24.9	25.0	25.3	25.8	24.2	24.5	24.6	25.0	25.4
12H 4H	24.6	25.2	25.0	25.6	26.0	24.3	24.9	24.7	25.2	25.6
6H	24.5	25.0	25.0	25.4	25.8	24.2	24.6	24.7	25.1	25.5
8H	24.5	24.9	25.0	25.3	25.8	24.2	24.5	24.6	25.0	25.4
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 9.1					+ 2.5 / -11.5				
1.5H	+ 2.9 / - 5.8					+ 3.1 / - 6.6				
2.0H	+ 5.2 / -13.7					+ 5.4 / -14.4				

CIE Pub.117, 21669 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 10.7$)
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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm		
NAME: ECOHB200LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

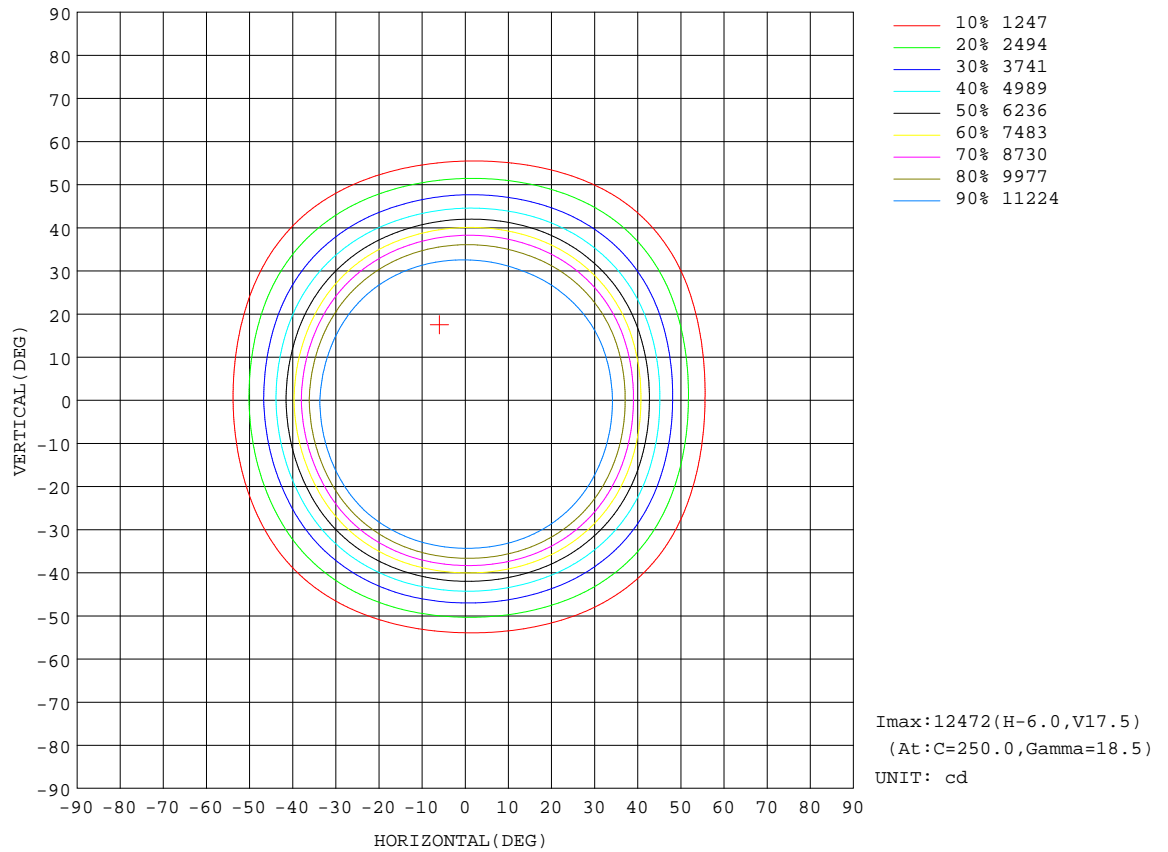
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	77	69	64	76	68	64	75	68	63	59
0.80	86	78	73	85	78	73	84	77	73	68
1.00	93	86	81	92	85	81	90	85	80	75
1.25	98	92	87	97	91	87	95	90	86	81
1.50	102	96	92	100	95	91	98	93	90	85
2.00	106	101	97	104	100	96	101	98	95	89
2.50	108	103	100	106	102	99	103	99	97	90
3.00	110	106	102	108	104	101	104	102	99	92
4.00	112	109	106	110	107	104	106	104	102	94
5.00	113	110	108	111	109	106	107	105	103	95
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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm		
NAME: ECOHB200LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

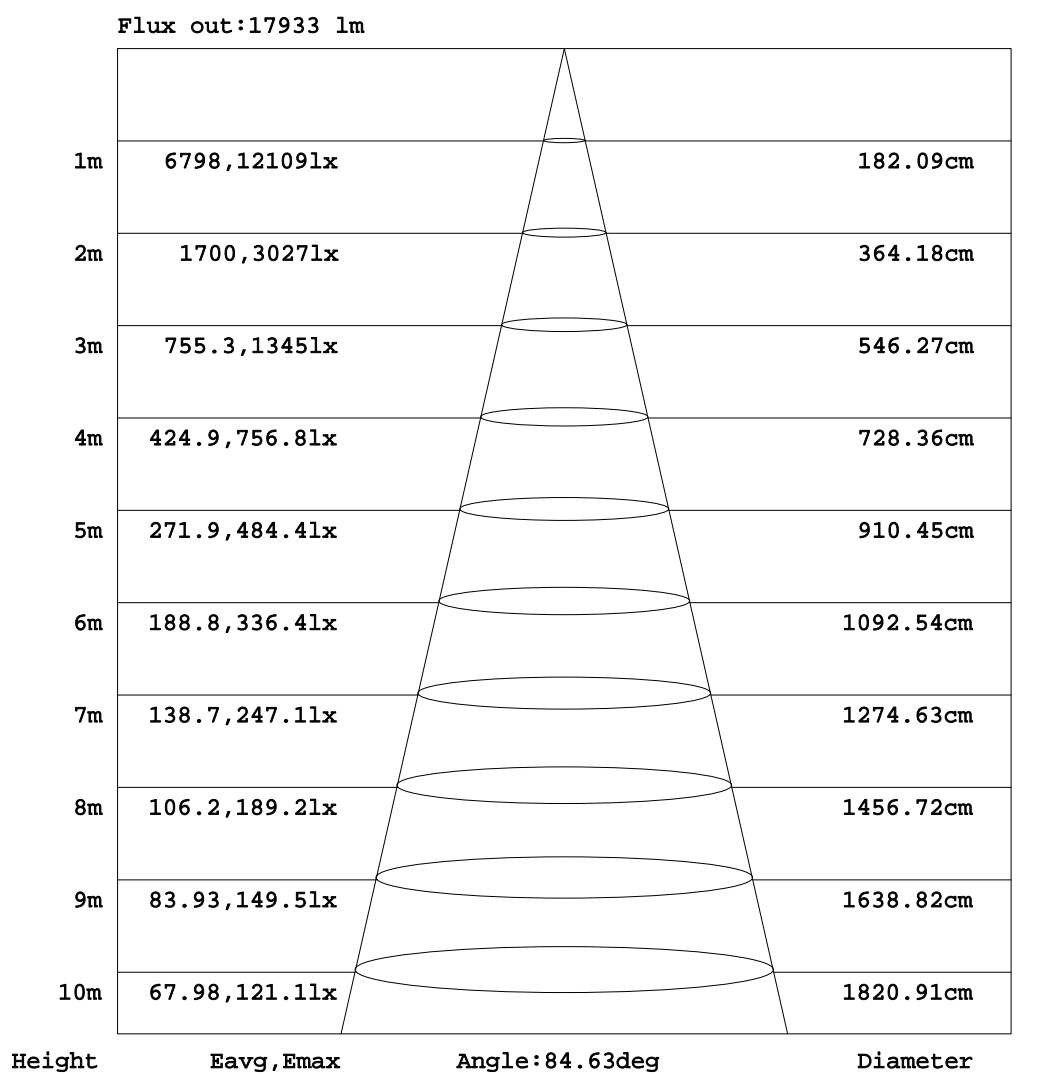


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm		
NAME: ECOHB200LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



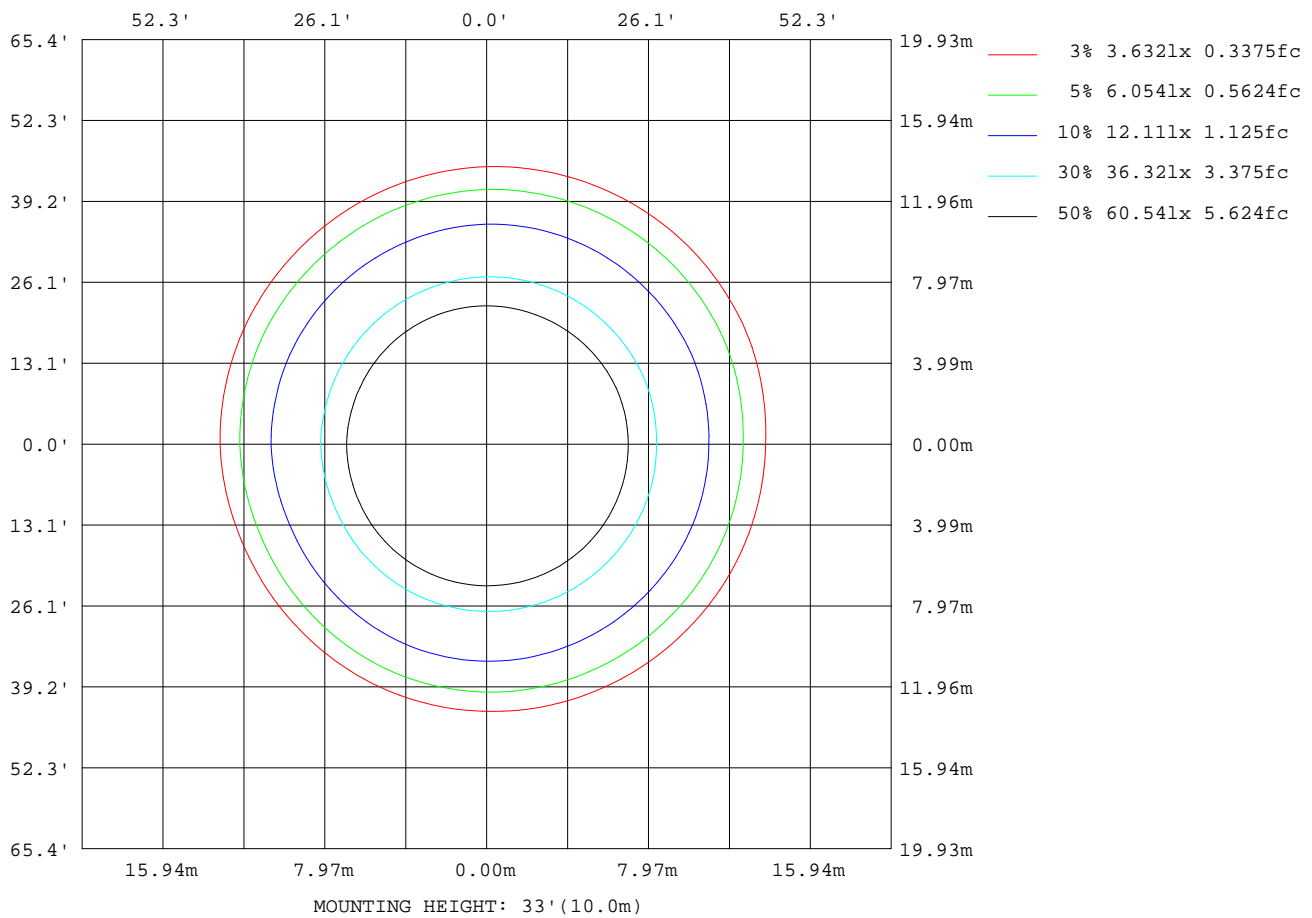
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm		
NAME: ECOHB200LSE5G7 with AL Reflector	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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm		
NAME: ECOHB200LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

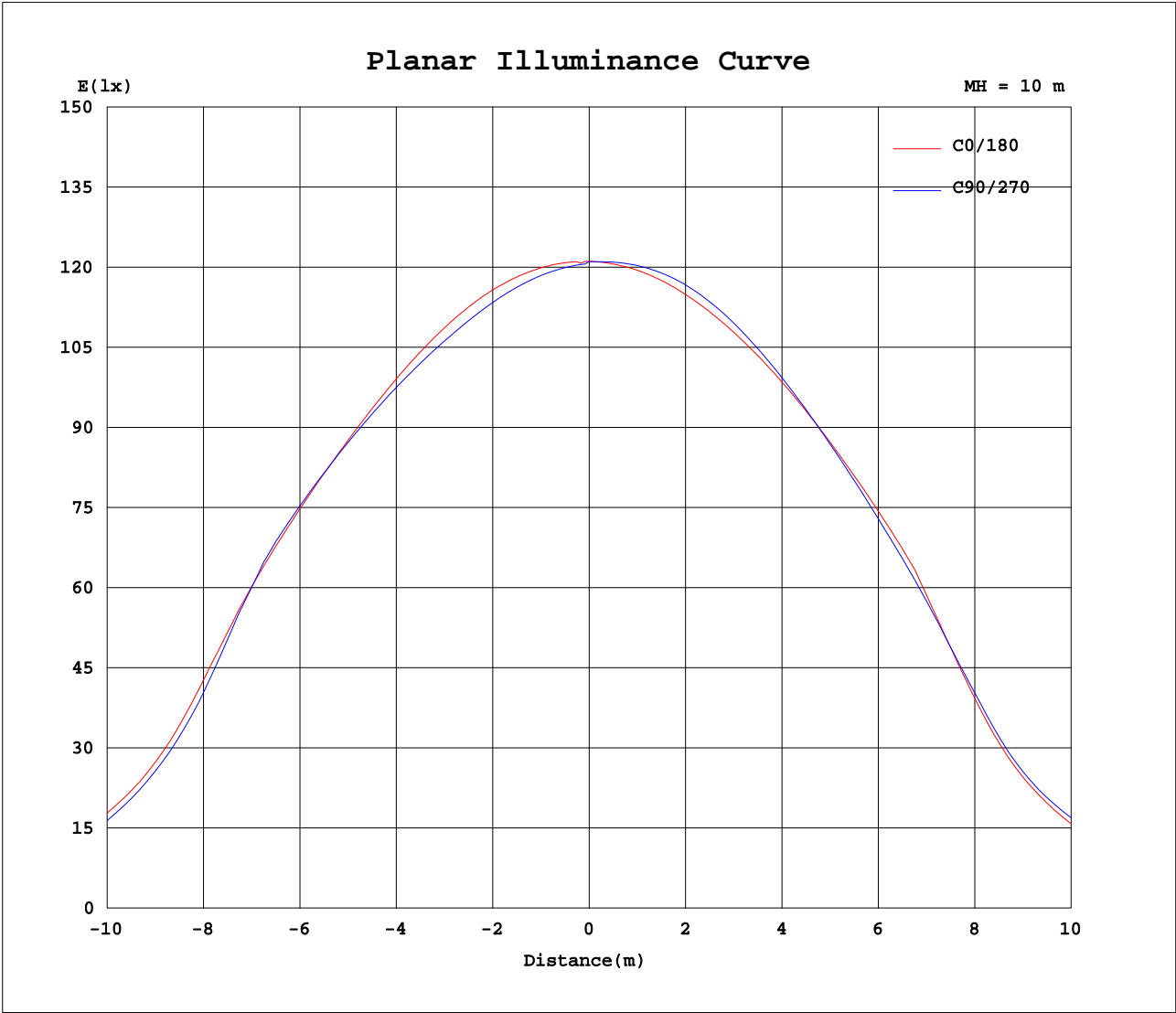
AvgL	cd/m2
L_0~180(65)av	2933
L_0~180(75)av	1327
L_0~180(85)av	673
L_90~270(65)av	2832
L_90~270(75)av	1246
L_90~270(85)av	684
L_45(65)av	2888
L_45(75)av	1287
L_45(85)av	671

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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm																		
NAME: ECOHB200LSE5G7 with AL Relfector									TYPE:Highbay					WEIGHT:				
SPEC.:DIP120W									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	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211
5	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1207	1206	1205	1204	1204	1203	1203	1203	1203
10	1225	1223	1222	1220	1218	1217	1215	1213	1212	1210	1209	1208	1207	1206	1205	1204	1203	1202	1202
15	1234	1232	1230	1228	1226	1224	1222	1219	1217	1216	1214	1213	1211	1210	1209	1208	1207	1206	1206
20	1239	1237	1235	1233	1231	1229	1227	1225	1223	1221	1220	1219	1218	1217	1217	1216	1216	1215	1215
25	1231	1230	1229	1227	1226	1225	1224	1223	1222	1221	1220	1220	1220	1220	1220	1220	1220	1220	1221
30	1198	1198	1197	1197	1196	1196	1197	1197	1197	1197	1198	1199	1199	1200	1201	1202	1202	1203	1204
35	1096	1096	1097	1098	1097	1098	1099	1100	1100	1100	1101	1101	1100	1100	1099	1097	1096	1094	1093
40	800	800	798	797	795	792	790	786	783	779	776	774	771	768	765	761	758	755	751
45	504	503	502	501	499	496	492	488	483	478	476	474	472	470	468	468	467	466	464
50	307	305	303	301	298	296	293	289	285	282	279	277	274	271	269	267	265	264	262
55	143	142	139	137	134	131	127	123	119	115	113	110	107	104	101	98.4	95.7	93.1	89.5
60	28.1	28.5	28.6	28.7	28.6	28.0	27.0	26.0	24.9	24.0	23.7	23.3	22.9	22.4	21.6	20.7	19.9	19.3	18.5
65	11.4	11.3	11.1	10.9	10.6	10.4	10.1	9.77	9.44	9.11	8.74	8.36	7.98	7.60	7.24	6.91	6.59	6.24	5.90
70	5.07	5.02	4.97	4.92	4.86	4.76	4.64	4.52	4.40	4.27	4.10	3.92	3.75	3.57	3.41	3.25	3.10	2.94	2.79
75	3.07	3.04	3.01	2.97	2.93	2.86	2.78	2.69	2.60	2.50	2.38	2.25	2.13	2.01	1.90	1.81	1.72	1.63	1.54
80	1.70	1.68	1.66	1.64	1.62	1.57	1.51	1.45	1.38	1.32	1.25	1.17	1.10	1.02	0.96	0.90	0.85	0.79	0.74
85	0.64	0.62	0.60	0.58	0.56	0.53	0.50	0.46	0.42	0.39	0.35	0.30	0.26	0.22	0.19	0.17	0.15	0.13	0.10
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm		
NAME: ECOHB200LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211
5	1202	1202	1202	1202	1202	1202	1203	1203	1203	1204	1204	1204	1205	1207	1208	1209	1210	1212	1212
10	1202	1202	1202	1202	1202	1203	1203	1204	1204	1205	1206	1207	1208	1209	1211	1213	1215	1217	1218
15	1206	1206	1206	1206	1207	1207	1208	1208	1209	1210	1211	1213	1214	1216	1218	1220	1222	1224	1226
20	1215	1215	1215	1216	1216	1217	1217	1217	1218	1219	1220	1220	1221	1223	1225	1227	1229	1231	1232
25	1221	1221	1222	1222	1222	1222	1222	1222	1222	1221	1221	1221	1221	1221	1222	1223	1224	1226	1226
30	1204	1204	1204	1204	1203	1202	1201	1200	1198	1196	1194	1192	1191	1190	1190	1190	1191	1191	1190
35	1091	1090	1089	1088	1086	1084	1082	1080	1078	1074	1070	1067	1064	1062	1063	1063	1064	1066	1060
40	748	745	741	738	734	730	726	722	719	714	710	706	703	704	709	714	720	726	723
45	462	459	457	455	450	446	441	437	433	430	427	424	422	424	429	435	440	446	447
50	260	258	256	254	251	248	245	243	241	239	238	238	237	239	242	246	250	254	256
55	88.7	87.2	85.7	84.3	82.5	80.5	78.6	76.9	75.5	75.5	75.5	75.8	76.3	77.9	80.1	82.8	85.6	88.3	89.5
60	18.1	17.7	17.4	17.0	16.7	16.5	16.3	16.1	15.9	15.8	15.7	15.6	15.6	15.8	16.2	16.7	17.1	17.5	17.9
65	5.72	5.54	5.36	5.19	5.09	5.05	5.01	4.97	4.95	5.01	5.07	5.17	5.26	5.45	5.76	6.06	6.35	6.65	6.89
70	2.72	2.65	2.58	2.52	2.49	2.48	2.48	2.48	2.48	2.53	2.58	2.63	2.68	2.78	2.92	3.07	3.22	3.36	3.51
75	1.50	1.47	1.43	1.39	1.37	1.37	1.36	1.36	1.36	1.39	1.42	1.45	1.49	1.55	1.64	1.74	1.84	1.93	2.03
80	0.71	0.69	0.66	0.64	0.62	0.62	0.62	0.61	0.61	0.63	0.66	0.68	0.70	0.75	0.83	0.90	0.98	1.07	1.14
85	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.10	0.13	0.17	0.22	0.25
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm																		
NAME: ECOHB200LSE5G7 with AL Relfector									TYPE:Highbay					WEIGHT:				
SPEC.:DIP120W									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	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211
5	1213	1214	1214	1215	1215	1216	1216	1217	1217	1218	1218	1219	1219	1219	1219	1219	1219	1219	1219
10	1220	1221	1222	1223	1225	1226	1227	1228	1229	1230	1231	1232	1232	1233	1233	1234	1234	1234	1234
15	1228	1229	1231	1233	1234	1236	1238	1239	1240	1241	1242	1243	1244	1244	1245	1245	1245	1245	1245
20	1233	1235	1236	1238	1239	1241	1242	1243	1244	1245	1245	1246	1247	1246	1246	1245	1245	1245	1244
25	1227	1227	1228	1229	1230	1230	1231	1232	1232	1232	1231	1231	1231	1230	1228	1227	1226	1225	1224
30	1189	1188	1188	1187	1186	1186	1185	1185	1184	1183	1181	1180	1179	1178	1176	1174	1173	1172	1171
35	1056	1052	1048	1045	1043	1042	1040	1040	1040	1041	1042	1043	1044	1044	1044	1045	1045	1046	1047
40	719	717	715	714	713	713	714	715	717	720	722	725	729	735	740	746	752	757	762
45	447	448	449	449	449	448	448	448	450	452	454	457	460	464	469	474	478	482	485
50	258	260	263	264	265	266	267	268	270	273	275	278	281	284	287	291	294	296	298
55	90.6	91.9	93.7	95.7	98.3	101	104	107	110	114	117	121	124	128	131	135	139	142	145
60	18.2	18.6	18.8	19.2	19.9	20.5	21.2	22.1	22.6	23.1	23.6	24.0	24.5	25.4	26.3	27.4	28.5	28.8	28.9
65	7.13	7.37	7.61	7.88	8.15	8.42	8.73	9.05	9.34	9.64	9.95	10.3	10.6	10.8	11.0	11.3	11.5	11.7	11.9
70	3.65	3.80	3.95	4.10	4.24	4.38	4.53	4.68	4.76	4.84	4.93	5.02	5.08	5.10	5.12	5.15	5.16	5.16	5.15
75	2.13	2.22	2.32	2.42	2.51	2.61	2.71	2.81	2.87	2.93	2.99	3.05	3.09	3.10	3.12	3.14	3.16	3.16	3.15
80	1.21	1.28	1.37	1.44	1.50	1.56	1.63	1.70	1.74	1.79	1.84	1.89	1.93	1.93	1.94	1.94	1.95	1.92	1.89
85	0.29	0.32	0.36	0.40	0.43	0.47	0.51	0.55	0.58	0.61	0.65	0.69	0.71	0.73	0.74	0.76	0.76	0.76	0.76
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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:240.83V I:0.5246A P:122.76W PF:0.9718 Freq:49.99Hz Lamp Flux:21669.5x1 lm																	
NAME: ECOHB200LSE5G7 with AL Relfector									TYPE:Highbay						WEIGHT:		
SPEC.:DIP120W									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	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211	1211				
5	1219	1219	1219	1219	1218	1218	1217	1217	1216	1216	1215	1214	1214	1215	1215				
10	1234	1234	1233	1233	1232	1232	1231	1230	1229	1228	1227	1226	1225	1225	1225				
15	1244	1244	1244	1243	1243	1242	1241	1240	1239	1238	1237	1236	1236	1235	1235				
20	1243	1243	1242	1242	1242	1241	1241	1241	1241	1240	1240	1239	1239	1239	1239				
25	1223	1223	1222	1222	1223	1224	1224	1225	1226	1227	1228	1229	1230	1230	1231				
30	1171	1170	1170	1172	1174	1176	1177	1180	1183	1187	1189	1192	1193	1195	1196				
35	1047	1048	1050	1054	1059	1063	1067	1072	1077	1083	1088	1091	1093	1094	1094				
40	767	771	776	781	786	791	795	800	804	808	812	813	810	807	804				
45	488	491	494	495	497	498	499	502	505	509	511	512	511	509	507				
50	300	302	305	307	309	312	314	315	316	317	318	318	315	313	310				
55	148	150	153	155	157	159	161	162	162	162	162	160	156	152	148				
60	29.1	29.3	30.0	31.1	32.0	32.9	33.7	33.7	33.7	33.7	33.1	32.8	31.9	30.8	29.6				
65	12.1	12.2	12.3	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.4	12.2	11.9	11.7				
70	5.14	5.13	5.11	5.10	5.07	5.04	5.01	5.05	5.08	5.11	5.14	5.15	5.14	5.12	5.10				
75	3.14	3.13	3.12	3.10	3.08	3.06	3.04	3.06	3.08	3.10	3.11	3.12	3.11	3.10	3.09				
80	1.86	1.84	1.81	1.80	1.78	1.75	1.73	1.74	1.75	1.75	1.76	1.76	1.75	1.73	1.72				
85	0.76	0.75	0.75	0.75	0.75	0.74	0.73	0.74	0.74	0.74	0.74	0.73	0.71	0.69	0.66				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
100	0.00	0.00	0.00	0.00	0.00	0.00	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				
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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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
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