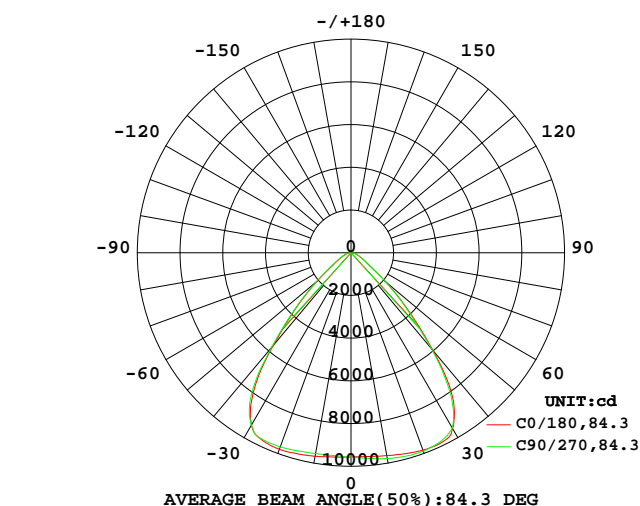


LUMINAIRE PHOTOMETRIC TEST REPORT

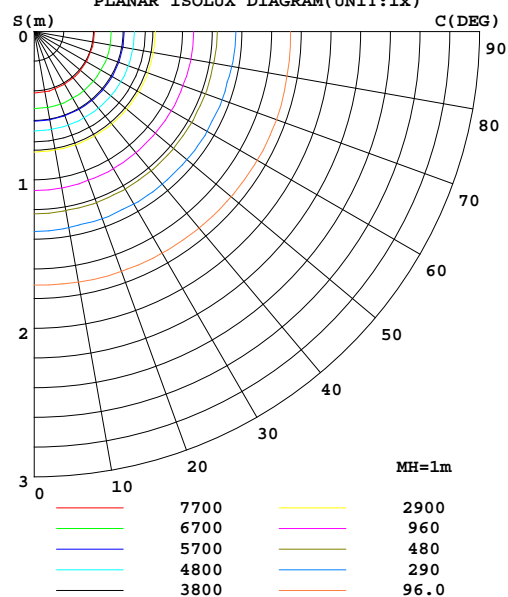
Test:U:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 177.18 lm/W			
MODEL	1	Imax(cd)	9891	S/MH(C0/180)	1.23
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	17916	η UP,DN(C0-180)	0.1,49.8
NOMINAL FLUX(lm)	17915.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,50.1
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	9676	9592	9547	9578	9642	9734	9781	9760	0- 10	918.4	918.4	5.13,5.13
20	9794	9715	9674	9767	9836	9883	9882	9890	10- 20	2764	3683	20.6,20.6
30	9310	9380	9350	9417	9506	9531	9482	9472	20- 30	4500	8183	45.7,45.7
40	5653	5720	5780	5823	5975	5882	5855	5894	30- 40	4962	13144	73.4,73.4
50	2088	2086	2119	2035	2120	2087	2116	2160	40- 50	2864	16008	89.4,89.4
60	721.5	760.6	748.9	746.8	728.6	710.5	712.2	687.7	50- 60	1080	17088	95.4,95.4
70	333.9	344.2	331.5	328.8	342.1	329.5	325.7	314.0	60- 70	494.8	17583	98.1,98.1
80	120.1	113.4	95.43	98.50	120.9	127.6	148.3	157.7	70- 80	246.7	17829	99.5,99.5
90	26.86	28.39	25.96	27.15	24.97	23.20	23.55	27.84	80- 90	60.20	17890	99.9,99.9
100	23.58	23.06	21.85	17.06	15.20	16.01	21.08	21.51	90-100	24.65	17914	100,100
110	0	0	0	0	0	0	0	0	100-110	1.353	17916	100,100
120	0	0	0	0	0	0	0	0	110-120	0	17916	100,100
130	0	0	0	0	0	0	0	0	120-130	0	17916	100,100
140	0	0	0	0	0	0	0	0	130-140	0	17916	100,100
150	0	0	0	0	0	0	0	0	140-150	0	17916	100,100
160	0	0	0	0	0	0	0	0	150-160	0	17916	100,100
170	0	0	0	0	0	0	0	0	160-170	0	17916	100,100
180	0	0	0	0	0	0	0	0	170-180	0	17916	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 14865 lm

%lum = 83.0%

%lamp = 83.0%

Conical surface Flux(120deg): 17088 lm

%lum = 95.4%

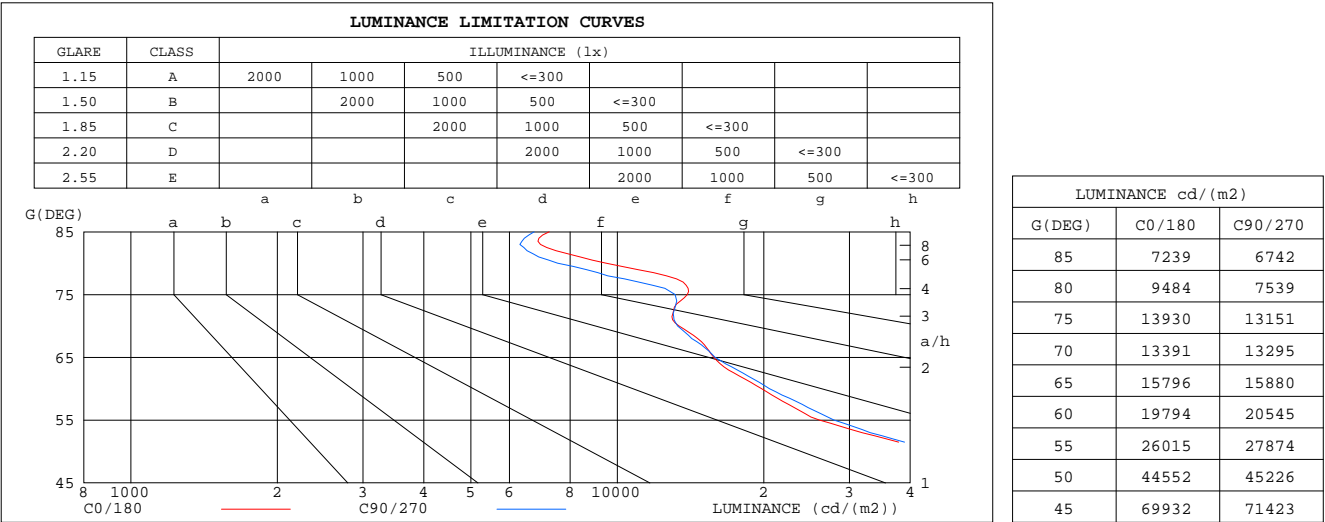
%lamp = 95.4%

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:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



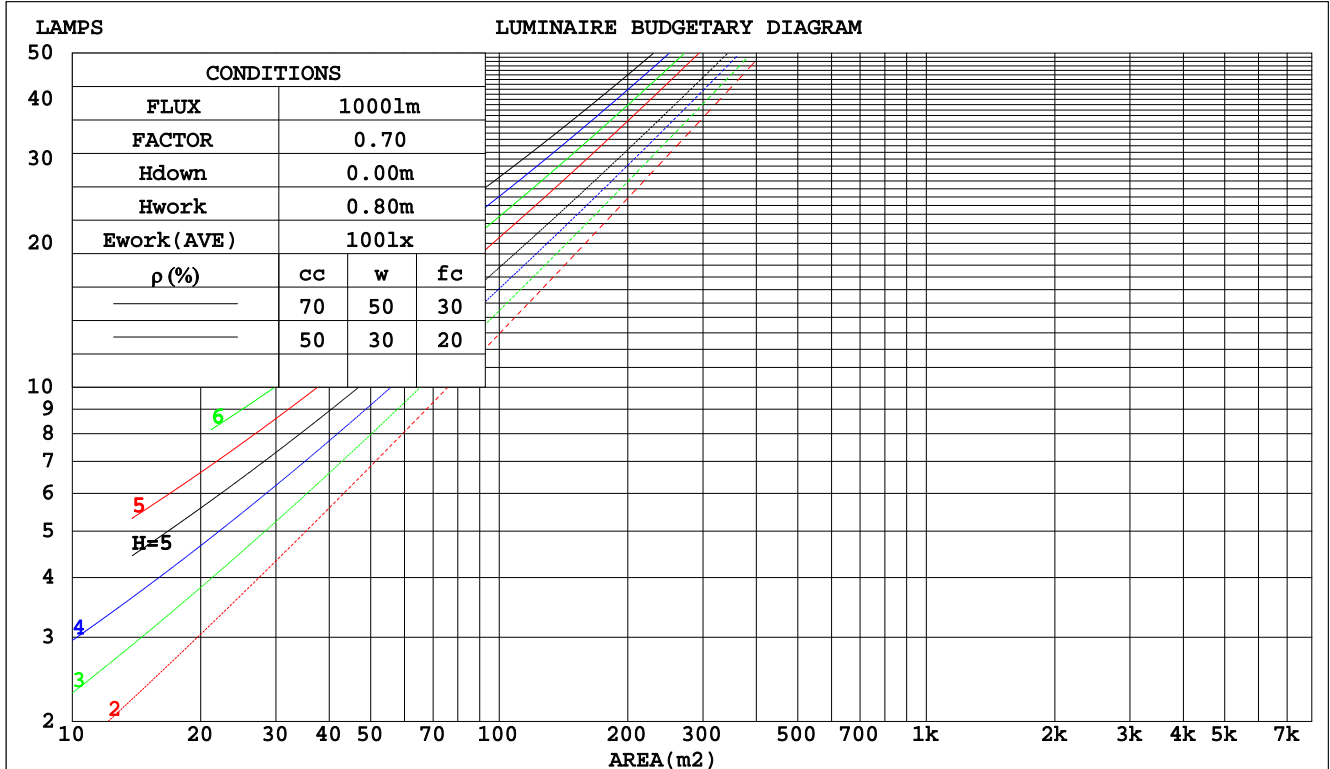
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

γ Range: 0 - 100DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						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	1.03	1.06	1.03	1.01	1.02	.00	.98	.98	.96	.95	.95	.93	.92	.90
2.0	.99	.93	.89	.97	.92	.88	.93	.89	.86	.90	.87	.84	.87	.85	.82	.81
3.0	.90	.83	.78	.88	.82	.78	.85	.80	.76	.83	.79	.75	.80	.77	.74	.72
4.0	.82	.75	.70	.81	.74	.69	.78	.73	.68	.76	.71	.67	.74	.70	.67	.65
5.0	.75	.68	.62	.74	.67	.62	.72	.66	.61	.70	.65	.61	.68	.64	.60	.58
6.0	.69	.61	.56	.68	.61	.56	.66	.60	.55	.65	.59	.55	.63	.58	.55	.53
7.0	.63	.56	.51	.63	.56	.51	.61	.55	.50	.60	.54	.50	.59	.54	.50	.48
8.0	.58	.51	.46	.58	.51	.46	.57	.50	.46	.55	.50	.46	.54	.49	.45	.44
9.0	.54	.47	.42	.54	.47	.42	.53	.46	.42	.52	.46	.42	.51	.45	.42	.40
10.0	.50	.44	.39	.50	.43	.39	.49	.43	.39	.48	.43	.39	.47	.42	.38	.37



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:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm								
NAME: ECOHB200LSE5G7 with PC Reflector				TYPE:Highbay			WEIGHT:	
SPEC.:DIP100W				DIM.: D330			SERIAL No.:	
MFR.: Eastfield				SUR.:D270			Shielding Angle:	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.221	.126	.040	.214	.122	.039	.201	.116	.037	.190	.109	.035	.179	.104	.033	
2.0	.214	.117	.036	.208	.115	.035	.197	.110	.034	.187	.105	.033	.177	.100	.032	
3.0	.204	.109	.033	.199	.107	.032	.189	.103	.031	.180	.099	.030	.172	.095	.029	
4.0	.194	.101	.030	.189	.099	.029	.181	.096	.029	.173	.093	.028	.166	.090	.027	
5.0	.184	.094	.027	.180	.092	.027	.172	.090	.026	.165	.087	.026	.159	.085	.025	
6.0	.174	.087	.025	.171	.086	.025	.164	.084	.024	.158	.082	.024	.152	.080	.024	
7.0	.165	.082	.023	.162	.081	.023	.156	.079	.023	.151	.077	.022	.145	.076	.022	
8.0	.157	.077	.022	.154	.076	.021	.149	.074	.021	.144	.073	.021	.139	.071	.021	
9.0	.149	.072	.020	.147	.072	.020	.142	.070	.020	.138	.069	.020	.133	.068	.020	
10.0	.142	.068	.019	.140	.068	.019	.136	.067	.019	.132	.065	.019	.128	.064	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.175	.158	.142	.150	.136	.123	.103	.093	.085	.059	.054	.049	.019	.017	.016	
2.0	.163	.133	.109	.140	.115	.094	.096	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.153	.115	.085	.131	.099	.073	.090	.069	.052	.052	.040	.030	.017	.013	.010	
4.0	.144	.101	.068	.124	.087	.059	.085	.061	.041	.049	.036	.025	.016	.012	.008	
5.0	.137	.090	.055	.117	.078	.048	.081	.054	.034	.047	.032	.020	.015	.010	.007	
6.0	.130	.081	.046	.112	.070	.040	.077	.049	.028	.045	.029	.017	.014	.009	.006	
7.0	.124	.074	.039	.107	.064	.034	.074	.045	.024	.043	.026	.014	.014	.009	.005	
8.0	.118	.068	.033	.102	.059	.029	.070	.041	.021	.041	.024	.012	.013	.008	.004	
9.0	.113	.063	.029	.097	.055	.026	.068	.038	.018	.039	.023	.011	.013	.007	.004	
10.0	.108	.059	.026	.093	.051	.023	.065	.036	.016	.038	.021	.010	.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:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm										
NAME: ECOHB200LSE5G7 with PC Reflector					TYPE:Highbay			WEIGHT:		
SPEC.:DIP100W					DIM.: D330			SERIAL No.:		
MFR.: Eastfield					SUR.:D270			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	24.1	25.3	24.4	25.5	25.7	24.2	25.4	24.5	25.6	25.8
3H	24.2	25.3	24.5	25.6	25.8	24.3	25.4	24.6	25.7	25.9
4H	24.3	25.3	24.6	25.6	25.8	24.4	25.4	24.7	25.7	25.9
6H	24.3	25.3	24.6	25.6	25.8	24.4	25.4	24.7	25.6	25.9
8H	24.3	25.2	24.6	25.5	25.8	24.4	25.3	24.7	25.6	25.8
12H	24.3	25.2	24.6	25.4	25.7	24.3	25.2	24.7	25.5	25.8
4H 2H	24.1	25.1	24.4	25.3	25.6	24.2	25.2	24.4	25.4	25.7
3H	24.3	25.1	24.6	25.4	25.7	24.4	25.3	24.7	25.5	25.8
4H	24.4	25.2	24.8	25.5	25.8	24.5	25.3	24.9	25.6	25.9
6H	24.5	25.2	24.9	25.5	25.9	24.5	25.2	24.9	25.6	25.9
8H	24.5	25.1	24.9	25.5	25.9	24.5	25.2	24.9	25.5	25.9
12H	24.5	25.1	24.9	25.4	25.8	24.5	25.1	24.9	25.5	25.9
8H 4H	24.4	25.0	24.8	25.4	25.8	24.5	25.1	24.9	25.5	25.9
6H	24.5	25.1	25.0	25.5	25.9	24.6	25.1	25.0	25.5	25.9
8H	24.5	25.0	25.0	25.4	25.9	24.6	25.0	25.0	25.5	25.9
12H	24.5	24.9	25.0	25.4	25.9	24.6	25.0	25.0	25.4	25.9
12H 4H	24.4	25.0	24.8	25.3	25.7	24.4	25.0	24.9	25.4	25.8
6H	24.5	25.0	25.0	25.4	25.8	24.5	25.0	25.0	25.4	25.9
8H	24.5	24.9	25.0	25.4	25.8	24.5	24.9	25.0	25.4	25.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 2.8					+ 1.6 / - 2.8				
1.5H	+ 2.4 / - 2.7					+ 2.5 / - 2.6				
2.0H	+ 3.5 / - 2.2					+ 3.5 / - 2.2				

CIE Pub.117, 17916 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 10.0$)
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:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

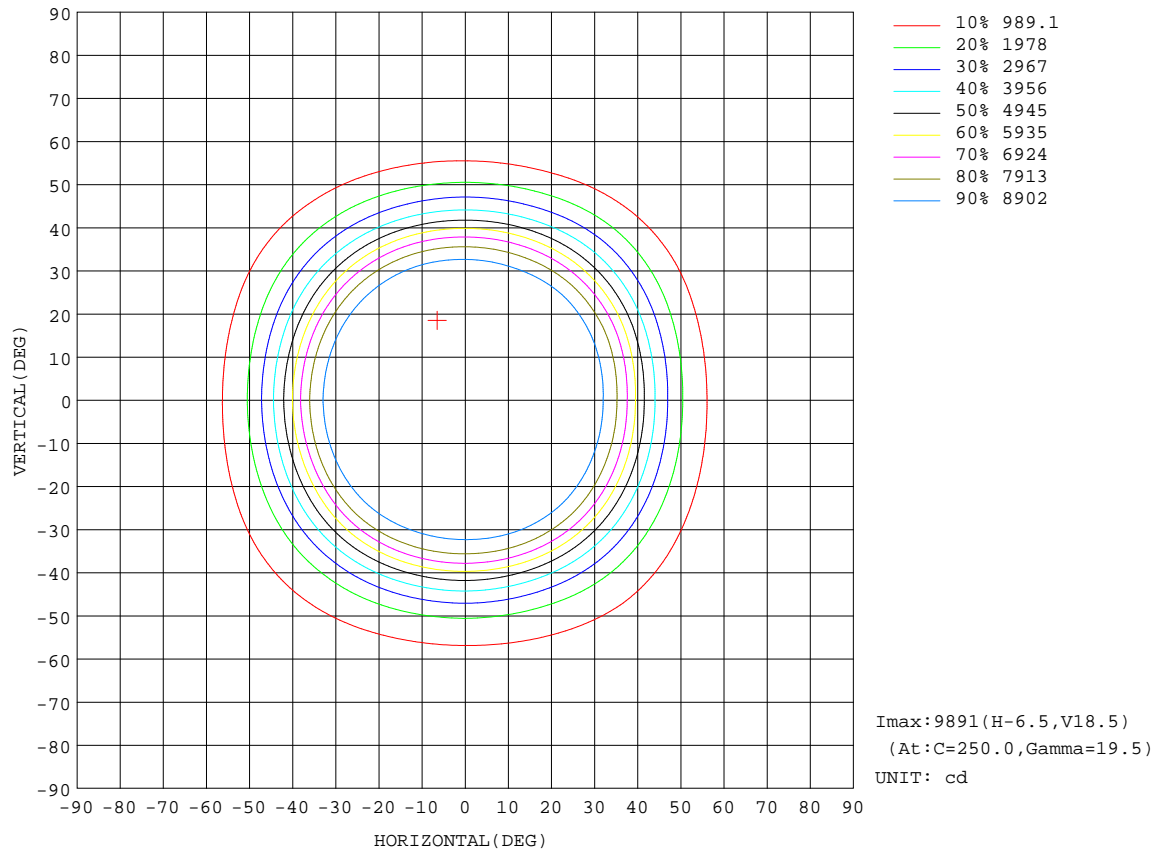
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	75	66	61	74	66	61	73	66	61	56
0.80	84	76	71	83	75	70	82	75	70	65
1.00	91	83	78	90	82	78	88	83	77	72
1.25	96	89	84	95	88	84	93	87	83	78
1.50	100	93	89	98	92	88	96	91	87	82
2.00	104	99	94	103	97	94	100	95	92	86
2.50	106	101	97	105	100	96	101	98	95	88
3.00	109	104	100	107	103	99	103	100	97	90
4.00	111	107	104	109	106	103	105	103	100	93
5.00	113	110	107	110	108	105	106	104	102	94
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:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



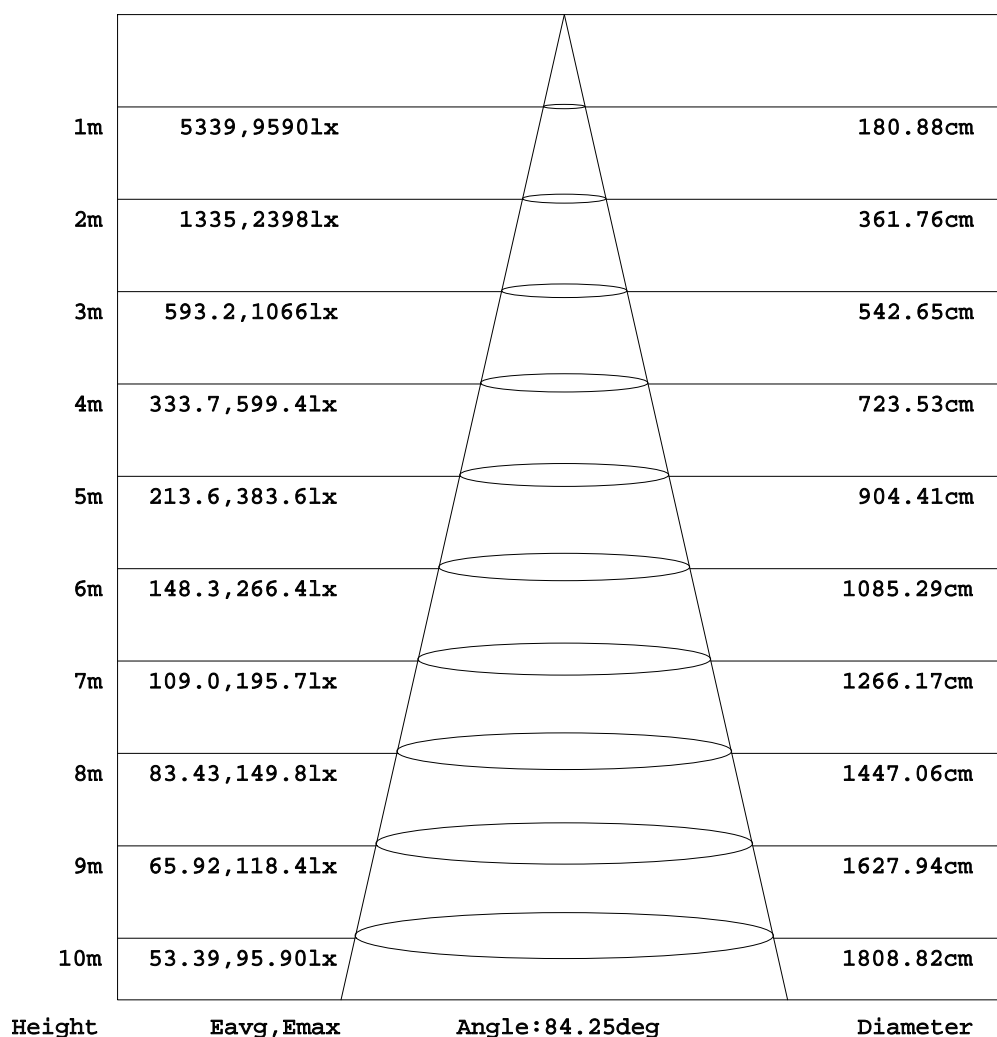
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

γ Range: 0 - 100DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Flux out:14084 lm



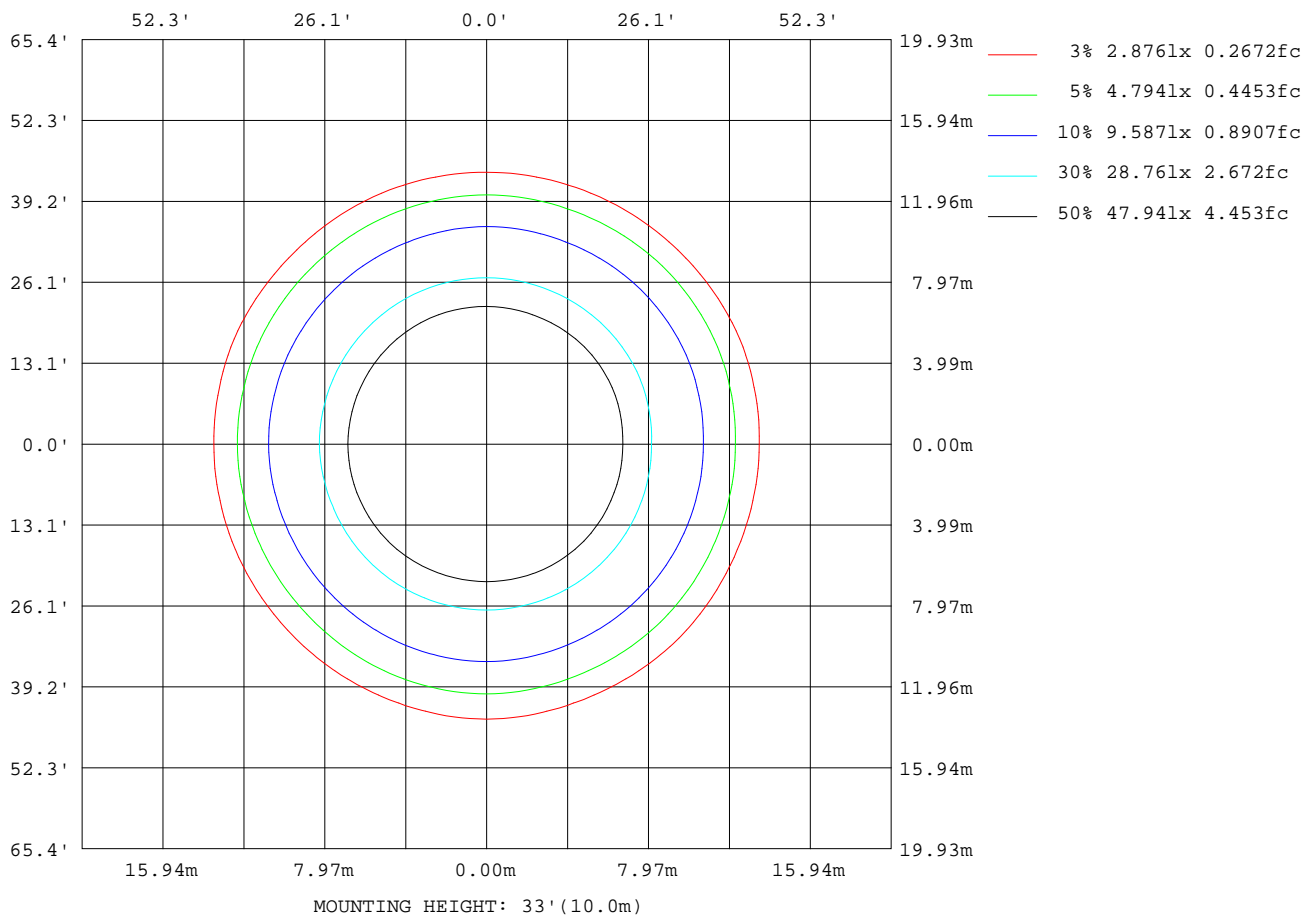
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



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

γ Range: 0 - 100DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 8.750m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

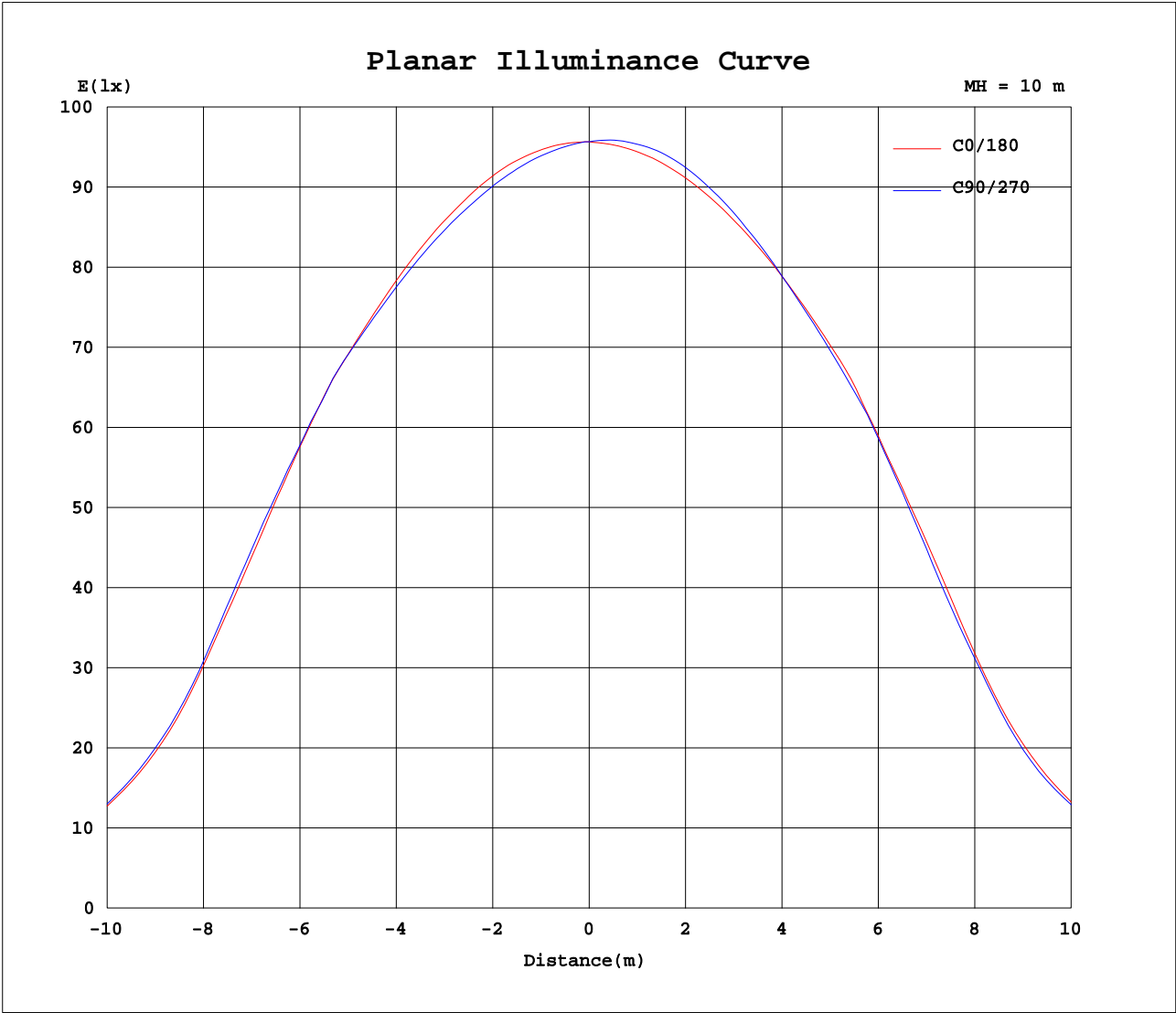
AvgL	cd/m2
L_0~180(65)av	15934
L_0~180(75)av	13401
L_0~180(85)av	7212
L_90~270(65)av	15553
L_90~270(75)av	12217
L_90~270(85)av	7024
L_45(65)av	15523
L_45(75)av	12512
L_45(85)av	7420

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:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm																		
NAME: ECOHB200LSE5G7 with PC Reflector									TYPE:Highbay					WEIGHT:				
SPEC.:DIP100W									DIM.: D330					SERIAL No.:				
MFR.: Eastfield									SUR.:D270					Shielding Angle:				

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565
5	9599	9594	9590	9585	9580	9575	9569	9564	9559	9555	9551	9547	9544	9541	9538	9536	9533	9531	9530
10	9676	9666	9657	9647	9638	9628	9619	9609	9600	9592	9585	9579	9573	9567	9562	9558	9554	9550	9547
15	9741	9732	9723	9714	9705	9696	9686	9677	9668	9659	9650	9642	9633	9625	9619	9615	9611	9607	9605
20	9794	9785	9775	9767	9758	9749	9741	9732	9723	9715	9708	9702	9695	9688	9684	9681	9678	9675	9674
25	9722	9720	9718	9716	9714	9714	9715	9715	9716	9716	9712	9707	9703	9699	9694	9689	9684	9680	9677
30	9310	9315	9320	9326	9333	9340	9352	9361	9372	9380	9381	9378	9376	9377	9372	9363	9360	9345	9350
35	7977	7980	7989	7998	8003	8020	8044	8069	8092	8114	8125	8137	8143	8152	8154	8149	8148	8143	8147
40	5653	5665	5670	5675	5682	5689	5696	5705	5714	5720	5726	5732	5738	5743	5751	5758	5769	5777	5780
45	3605	3605	3602	3599	3597	3595	3594	3593	3590	3589	3591	3594	3596	3598	3609	3628	3648	3667	3682
50	2088	2087	2083	2078	2076	2075	2078	2082	2084	2086	2081	2076	2070	2064	2069	2084	2094	2112	2119
55	1088	1095	1096	1096	1100	1105	1114	1123	1134	1144	1143	1144	1144	1144	1148	1155	1162	1168	1166
60	721	727	732	737	742	746	750	754	757	761	764	767	770	773	772	767	761	756	749
65	487	490	493	495	498	498	497	496	495	494	500	506	513	519	518	511	505	497	489
70	334	336	337	339	340	341	342	342	343	344	348	353	357	361	360	353	346	339	331
75	263	262	261	262	261	261	260	260	259	258	260	261	263	264	262	259	255	250	248
80	120	119	119	118	117	115	115	115	114	113	113	111	110	109	107	104	102	99.3	95.4
85	46.0	46.5	46.9	47.3	47.7	47.9	48.1	48.2	48.3	48.4	48.2	47.9	47.5	47.3	46.7	45.7	44.9	43.9	42.8
90	26.9	27.1	27.3	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.2	27.9	27.7	27.4	27.2	26.9	26.6	26.3	26.0
95	25.9	26.1	26.2	26.3	26.4	26.4	25.7	25.1	24.5	23.9	23.8	23.7	23.6	23.6	23.5	23.4	23.3	23.3	23.2
100	23.6	23.0	21.8	21.9	22.3	24.0	23.9	22.0	23.0	23.1	21.6	21.8	21.7	21.2	20.8	21.0	20.0	18.6	21.9
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:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm																		
NAME: ECOHB200LSE5G7 with PC Reflector									TYPE:Highbay					WEIGHT:				
SPEC.:DIP100W									DIM.: D330					SERIAL No.:				
MFR.: Eastfield									SUR.:D270					Shielding Angle:				

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565
5	9531	9533	9534	9536	9537	9540	9543	9546	9549	9555	9561	9567	9572	9574	9575	9576	9576	9576	9584
10	9548	9549	9550	9551	9555	9561	9566	9571	9578	9588	9598	9608	9617	9624	9629	9634	9638	9642	9655
15	9609	9612	9616	9620	9627	9636	9644	9653	9662	9674	9686	9699	9710	9719	9725	9730	9736	9742	9754
20	9680	9687	9694	9701	9712	9725	9739	9753	9767	9781	9794	9808	9821	9828	9830	9832	9834	9836	9843
25	9684	9692	9700	9708	9721	9739	9756	9773	9790	9804	9817	9831	9844	9850	9851	9851	9852	9853	9856
30	9341	9353	9348	9356	9364	9375	9389	9405	9417	9426	9434	9445	9453	9464	9473	9484	9496	9506	9511
35	8147	8155	8162	8170	8184	8204	8229	8247	8267	8271	8276	8279	8289	8290	8298	8301	8306	8319	8297
40	5787	5789	5790	5793	5797	5803	5809	5816	5823	5817	5809	5805	5805	5822	5856	5896	5935	5975	5960
45	3677	3668	3660	3653	3647	3641	3636	3631	3627	3627	3632	3635	3641	3655	3675	3700	3726	3750	3741
50	2117	2108	2102	2095	2084	2071	2059	2046	2035	2037	2040	2042	2048	2058	2070	2087	2105	2120	2121
55	1169	1165	1160	1156	1150	1144	1137	1130	1126	1125	1125	1128	1130	1129	1124	1121	1118	1112	1113
60	750	749	749	749	748	748	747	747	747	743	741	739	735	733	732	731	730	729	728
65	490	491	490	490	490	489	488	487	487	486	485	484	483	484	486	489	492	495	491
70	333	335	336	337	337	334	333	330	329	327	325	324	322	324	328	333	337	342	336
75	247	248	248	248	246	244	242	240	238	235	232	229	226	227	231	235	239	243	239
80	95.9	94.7	93.7	93.1	93.4	94.7	96.1	97.5	98.5	99.1	99.8	99.9	100	103	108	112	116	121	122
85	42.8	42.6	42.4	42.2	42.4	43.1	43.8	44.5	45.1	44.8	44.6	44.4	44.0	44.2	44.6	44.9	45.2	45.7	45.3
90	25.8	25.7	25.6	25.5	25.6	26.0	26.4	26.8	27.2	26.8	26.5	26.2	25.9	25.6	25.5	25.3	25.1	25.0	24.6
95	23.1	23.1	23.1	23.0	22.9	22.9	22.8	22.7	22.6	22.4	22.2	21.9	21.7	21.5	21.2	21.0	20.7	20.5	20.2
100	18.0	18.9	18.8	18.0	17.7	17.6	17.0	16.3	17.1	16.5	15.3	16.3	16.0	14.6	14.1	14.0	14.7	15.2	14.6
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:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm																		
NAME: ECOHB200LSE5G7 with PC Reflector									TYPE:Highbay					WEIGHT:				
SPEC.:DIP100W									DIM.: D330					SERIAL No.:				
MFR.: Eastfield									SUR.:D270					Shielding Angle:				

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565
5	9591	9598	9605	9612	9618	9623	9629	9634	9639	9643	9647	9651	9654	9657	9659	9661	9663	9664	9666
10	9667	9679	9691	9702	9710	9718	9726	9734	9741	9746	9752	9758	9763	9767	9772	9776	9781	9781	9781
15	9765	9777	9788	9798	9806	9814	9822	9829	9835	9840	9846	9851	9855	9856	9857	9859	9860	9861	9861
20	9851	9858	9866	9871	9875	9877	9880	9883	9884	9886	9888	9890	9890	9888	9886	9884	9882	9883	9883
25	9859	9863	9867	9865	9858	9850	9842	9835	9830	9825	9821	9817	9813	9808	9803	9798	9796	9792	9790
30	9514	9517	9522	9524	9527	9527	9529	9531	9531	9525	9521	9521	9517	9501	9499	9479	9482	9462	9464
35	8283	8271	8256	8247	8237	8230	8222	8216	8213	8211	8207	8206	8200	8185	8172	8157	8156	8137	8132
40	5945	5931	5919	5908	5900	5893	5887	5882	5880	5878	5877	5877	5875	5869	5863	5858	5855	5850	5846
45	3732	3723	3717	3704	3685	3667	3648	3633	3629	3627	3625	3624	3626	3631	3639	3646	3649	3648	3642
50	2121	2122	2124	2121	2111	2103	2094	2087	2089	2091	2094	2097	2101	2105	2108	2114	2116	2114	2107
55	1111	1110	1112	1105	1090	1076	1066	1055	1052	1052	1052	1050	1052	1052	1051	1049	1038	1043	1038
60	727	726	726	724	720	717	714	711	711	711	712	713	712	713	712	712	712	706	701
65	487	483	479	477	478	479	480	481	481	481	482	482	481	478	476	472	469	466	462
70	330	325	319	317	320	323	326	329	329	329	329	329	329	328	328	327	326	325	325
75	235	231	227	225	225	225	225	225	225	225	225	225	224	221	218	216	213	217	220
80	123	123	124	125	125	126	127	128	130	133	135	138	140	142	144	146	148	150	152
85	45.0	44.8	44.5	44.3	44.6	44.6	44.7	44.9	45.3	45.6	45.9	46.4	46.5	46.5	46.6	46.6	46.4	47.1	47.7
90	24.3	23.9	23.6	23.4	23.3	23.3	23.2	23.2	23.4	23.5	23.7	23.9	23.9	23.8	23.7	23.6	23.6	23.9	24.2
95	20.0	19.8	19.6	19.4	19.3	19.2	19.1	19.1	19.2	19.4	19.5	19.6	19.7	19.8	19.9	19.9	20.0	20.2	20.4
100	13.7	13.6	13.9	15.2	15.5	14.4	15.5	16.0	15.4	16.2	16.9	17.1	17.4	18.2	18.3	17.4	21.1	17.9	19.2
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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:240.86V I:0.4372A P:101.12W PF:0.9602 Freq:49.99Hz Lamp Flux:17915.7x1 lm																	
NAME: ECOHB200LSE5G7 with PC Reflector									TYPE:Highbay						WEIGHT:		
SPEC.:DIP100W									DIM.: D330						SERIAL No.:		
MFR.: Eastfield									SUR.:D270						Shielding Angle:		

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565	9565				
5	9666	9667	9666	9664	9662	9659	9656	9653	9650	9646	9643	9637	9629	9619	9609				
10	9780	9780	9778	9774	9769	9765	9760	9754	9747	9740	9733	9724	9712	9700	9688				
15	9862	9863	9862	9860	9857	9854	9850	9843	9834	9825	9816	9804	9789	9773	9757				
20	9884	9886	9887	9888	9888	9889	9890	9884	9877	9870	9863	9853	9838	9823	9808				
25	9789	9787	9789	9795	9801	9808	9813	9808	9801	9793	9785	9774	9761	9748	9735				
30	9451	9447	9446	9449	9458	9468	9472	9465	9456	9450	9438	9422	9392	9365	9337				
35	8122	8116	8120	8136	8155	8170	8186	8184	8181	8177	8173	8148	8107	8062	8017				
40	5842	5838	5842	5855	5869	5882	5894	5901	5906	5910	5913	5888	5832	5775	5717				
45	3636	3631	3637	3655	3673	3691	3708	3712	3715	3717	3719	3708	3682	3658	3633				
50	2103	2096	2100	2116	2131	2146	2160	2164	2168	2170	2173	2166	2146	2128	2109				
55	1032	1025	1022	1031	1036	1041	1048	1059	1068	1083	1098	1103	1099	1098	1096				
60	694	689	686	686	687	687	688	694	701	707	713	717	719	720	721				
65	458	453	451	451	451	451	451	458	465	472	479	483	484	485	486				
70	323	322	321	319	317	315	314	319	324	330	335	337	337	336	335				
75	224	228	229	227	226	224	223	227	232	236	240	245	249	253	258				
80	154	156	157	157	157	157	158	156	154	153	151	147	141	134	127				
85	48.1	48.7	49.1	49.4	49.7	50.0	50.2	50.2	50.2	50.2	50.0	49.7	48.9	47.9	46.9				
90	24.6	24.9	25.4	26.0	26.6	27.3	27.8	28.1	28.4	28.7	29.0	28.9	28.4	27.9	27.4				
95	20.6	20.9	21.3	21.8	22.4	22.9	23.5	24.0	24.4	24.8	25.4	25.5	25.5	25.7	25.8				
100	20.1	19.9	20.2	20.6	20.5	20.3	21.5	21.5	20.6	22.5	22.7	21.2	21.1	21.2	22.7				
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 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: