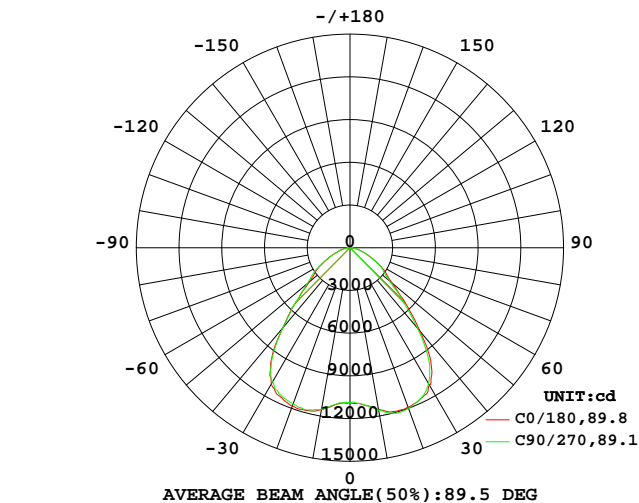


LUMINAIRE PHOTOMETRIC TEST REPORT

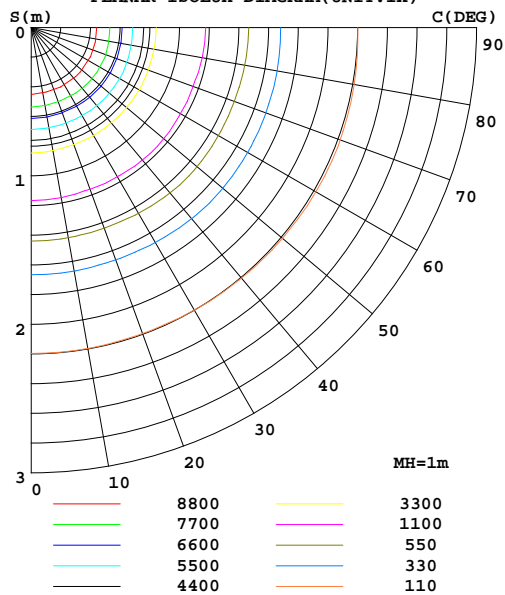
Test:U:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.79 lm/W			
MODEL	1	Imax(cd)	12123	S/MH(C0/180)	1.28
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	25274	η UP,DN(C0-180)	0.3,49.5
NOMINAL FLUX(lm)	25274.3	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,49.8
LAMPS INSIDE	1	η up(%)	0.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	240	η down(%)	99.3	CIBSE SHR MAX	1.30

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	1154	1144	1151	1148	1153	1154	1158	1153	0- 10	1069	1069	4.23,4.23
20	1184	1170	1168	1170	1191	1203	1199	1195	10- 20	3352	4421	17.5,17.5
30	1104	1102	1087	1076	1114	1119	1103	1106	20- 30	5333	9754	38.6,38.6
40	735.6	734.9	733.2	729.7	768.4	750.1	738.8	743.1	30- 40	5926	15680	62,62
50	375.1	384.5	391.4	379.2	385.2	365.6	364.8	368.7	40- 50	4131	19812	78.4,78.4
60	225.1	235.9	232.3	233.2	233.6	230.6	232.1	222.2	50- 60	2678	22490	89,89
70	106.6	110.5	105.3	103.6	110.6	111.9	111.1	104.4	60- 70	1627	24117	95.4,95.4
80	37.57	36.70	32.71	32.63	40.73	41.70	44.27	44.23	70- 80	762.8	24880	98.4,98.4
90	12.57	12.67	12.63	13.17	13.24	12.55	12.42	12.72	80- 90	227.6	25108	99.3,99.3
100	17.14	16.67	18.40	14.60	13.65	13.42	17.06	15.88	90-100	156.1	25264	100,100
110	0	0	0	0	0	0	0	0	100-110	10.63	25274	100,100
120	0	0	0	0	0	0	0	0	110-120	0	25274	100,100
130	0	0	0	0	0	0	0	0	120-130	0	25274	100,100
140	0	0	0	0	0	0	0	0	130-140	0	25274	100,100
150	0	0	0	0	0	0	0	0	140-150	0	25274	100,100
160	0	0	0	0	0	0	0	0	150-160	0	25274	100,100
170	0	0	0	0	0	0	0	0	160-170	0	25274	100,100
180	0	0	0	0	0	0	0	0	170-180	0	25274	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 18012 lm

%lum = 71.3%

%lamp = 71.3%

Conical surface Flux(120deg): 22490 lm

%lum = 89.0%

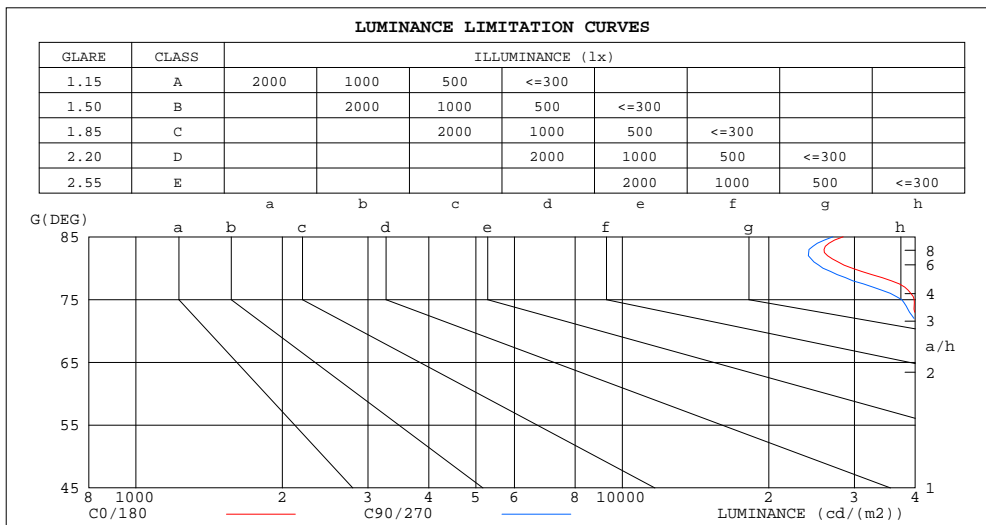
%lamp = 89.0%

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:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	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	28429	27084
80	29682	25843
75	39810	37530
70	42770	42220
65	51777	52436
60	61764	63735
55	71103	75510
50	80058	83525
45	101933	103340

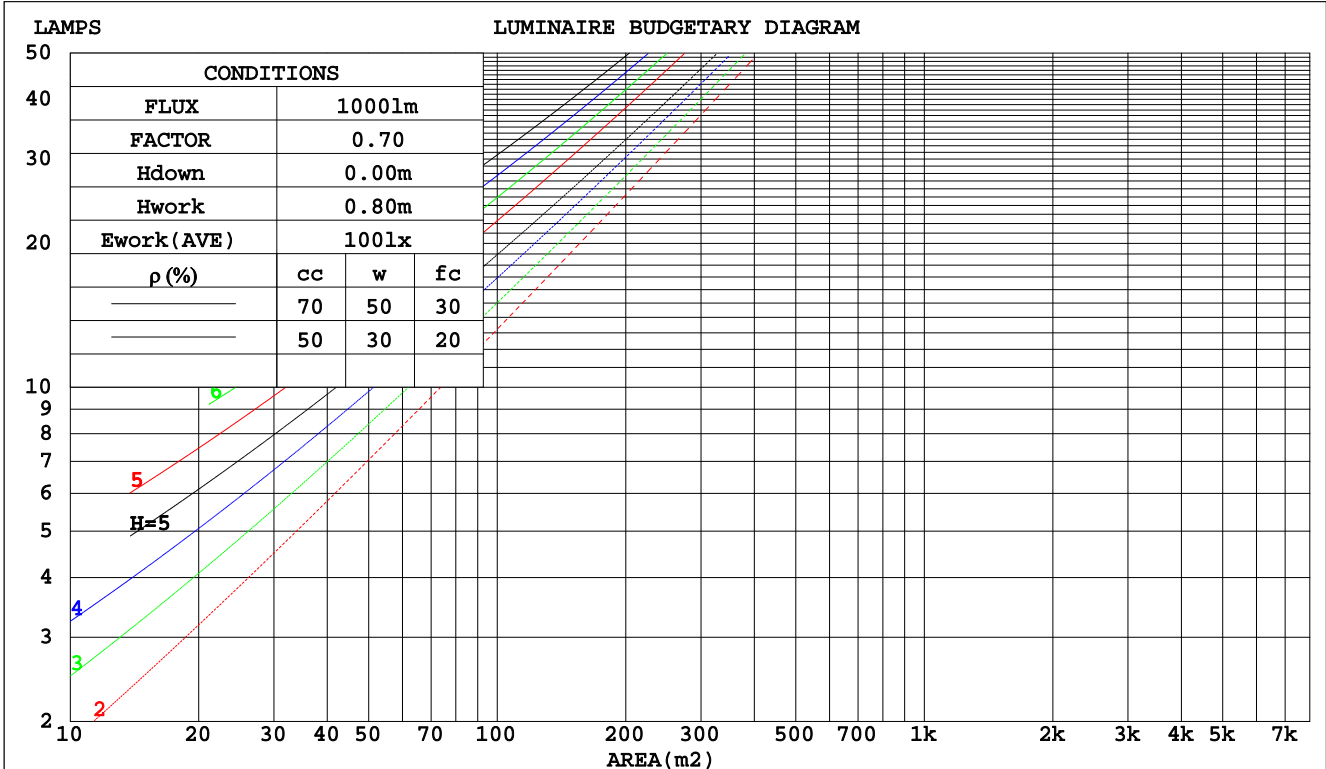
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	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	.253	.144	.046	.246	.140	.045	.233	.134	.043	.220	.127	.041	.209	.121	.039		
2.0	.242	.133	.041	.236	.130	.040	.225	.125	.039	.214	.120	.038	.204	.115	.036		
3.0	.228	.122	.036	.223	.119	.036	.213	.115	.035	.203	.112	.034	.195	.108	.033		
4.0	.214	.111	.033	.210	.110	.032	.201	.106	.032	.192	.103	.031	.185	.100	.031		
5.0	.201	.103	.030	.197	.101	.029	.189	.098	.029	.182	.096	.029	.175	.093	.028		
6.0	.189	.095	.027	.185	.094	.027	.178	.091	.027	.172	.089	.026	.165	.087	.026		
7.0	.178	.088	.025	.175	.087	.025	.168	.085	.025	.162	.083	.024	.157	.081	.024		
8.0	.168	.082	.023	.165	.081	.023	.159	.080	.023	.154	.078	.022	.149	.076	.022		
9.0	.159	.077	.021	.156	.076	.021	.151	.075	.021	.146	.073	.021	.142	.072	.021		
10.0	.150	.072	.020	.148	.072	.020	.143	.070	.020	.139	.069	.020	.135	.068	.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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021		
1.0	.181	.162	.144	.155	.139	.124	.106	.095	.086	.061	.055	.050	.020	.018	.016		
2.0	.171	.137	.109	.146	.118	.094	.100	.082	.066	.058	.048	.039	.019	.015	.013		
3.0	.162	.119	.085	.139	.103	.074	.095	.071	.052	.055	.042	.031	.018	.014	.010		
4.0	.153	.105	.069	.132	.091	.060	.091	.063	.042	.052	.037	.025	.017	.012	.008		
5.0	.146	.095	.057	.125	.082	.049	.086	.057	.035	.050	.034	.021	.016	.011	.007		
6.0	.139	.086	.048	.120	.074	.042	.082	.052	.029	.048	.031	.018	.015	.010	.006		
7.0	.133	.079	.041	.114	.068	.036	.079	.048	.025	.046	.028	.015	.015	.009	.005		
8.0	.127	.073	.036	.109	.063	.032	.076	.045	.022	.044	.026	.013	.014	.009	.004		
9.0	.121	.068	.032	.105	.059	.028	.072	.042	.020	.042	.025	.012	.014	.008	.004		
10.0	.116	.064	.029	.100	.055	.025	.070	.039	.018	.041	.023	.011	.013	.008	.004		

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:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm										
NAME: ECOHB200LSE5G7 with PC Reflector and lens					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	26.9	28.2	27.1	28.4	28.6	27.0	28.3	27.3	28.5	28.7
3H	27.5	28.7	27.8	29.0	29.2	27.7	28.9	28.0	29.1	29.3
4H	27.8	28.9	28.1	29.2	29.4	27.9	29.0	28.2	29.3	29.6
6H	28.0	29.0	28.3	29.3	29.6	28.0	29.1	28.3	29.4	29.6
8H	28.0	29.0	28.3	29.3	29.6	28.0	29.0	28.4	29.3	29.6
12H	28.0	29.0	28.3	29.3	29.6	28.0	29.0	28.4	29.3	29.6
4H 2H	27.2	28.3	27.5	28.6	28.8	27.3	28.4	27.6	28.7	28.9
3H	28.0	29.0	28.3	29.3	29.6	28.1	29.1	28.5	29.4	29.7
4H	28.4	29.3	28.7	29.6	29.9	28.5	29.4	28.8	29.7	30.0
6H	28.6	29.4	29.0	29.8	30.1	28.6	29.4	29.1	29.8	30.2
8H	28.7	29.4	29.1	29.8	30.2	28.7	29.4	29.1	29.8	30.2
12H	28.7	29.4	29.1	29.8	30.2	28.7	29.4	29.2	29.8	30.2
8H 4H	28.5	29.2	28.9	29.6	30.0	28.6	29.3	29.0	29.7	30.1
6H	28.8	29.4	29.2	29.8	30.3	28.8	29.4	29.3	29.8	30.3
8H	28.9	29.4	29.4	29.9	30.3	28.9	29.4	29.4	29.9	30.3
12H	29.0	29.5	29.5	29.9	30.4	29.0	29.5	29.5	29.9	30.4
12H 4H	28.4	29.1	28.9	29.5	29.9	28.5	29.2	29.0	29.6	30.0
6H	28.8	29.3	29.3	29.8	30.2	28.8	29.4	29.3	29.8	30.3
8H	28.9	29.4	29.4	29.8	30.3	28.9	29.4	29.4	29.9	30.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.5 / - 0.7				
1.5H	+ 0.7 / - 0.6					+ 0.6 / - 0.5				
2.0H	+ 0.9 / - 0.7					+ 0.8 / - 0.6				

CIE Pub.117, 25274 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 11.2$)
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:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

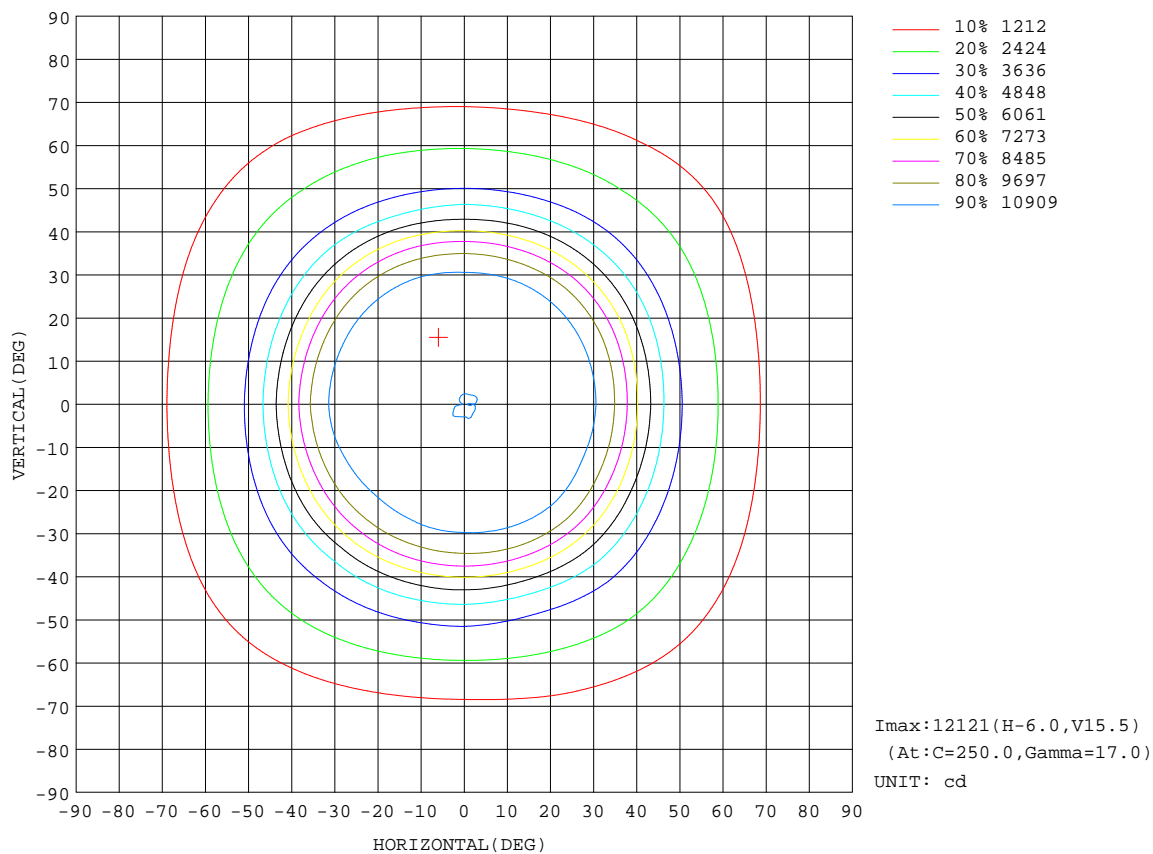
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	58	52	67	58	52	66	57	52	46
0.80	77	68	62	76	67	62	75	67	61	55
1.00	85	76	70	84	75	70	82	76	69	63
1.25	91	83	77	90	82	76	87	80	76	70
1.50	95	87	82	94	86	81	91	85	80	74
2.00	100	94	89	99	93	88	96	90	86	80
2.50	103	97	92	102	96	92	98	93	90	82
3.00	106	101	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	104	102	99	91
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:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



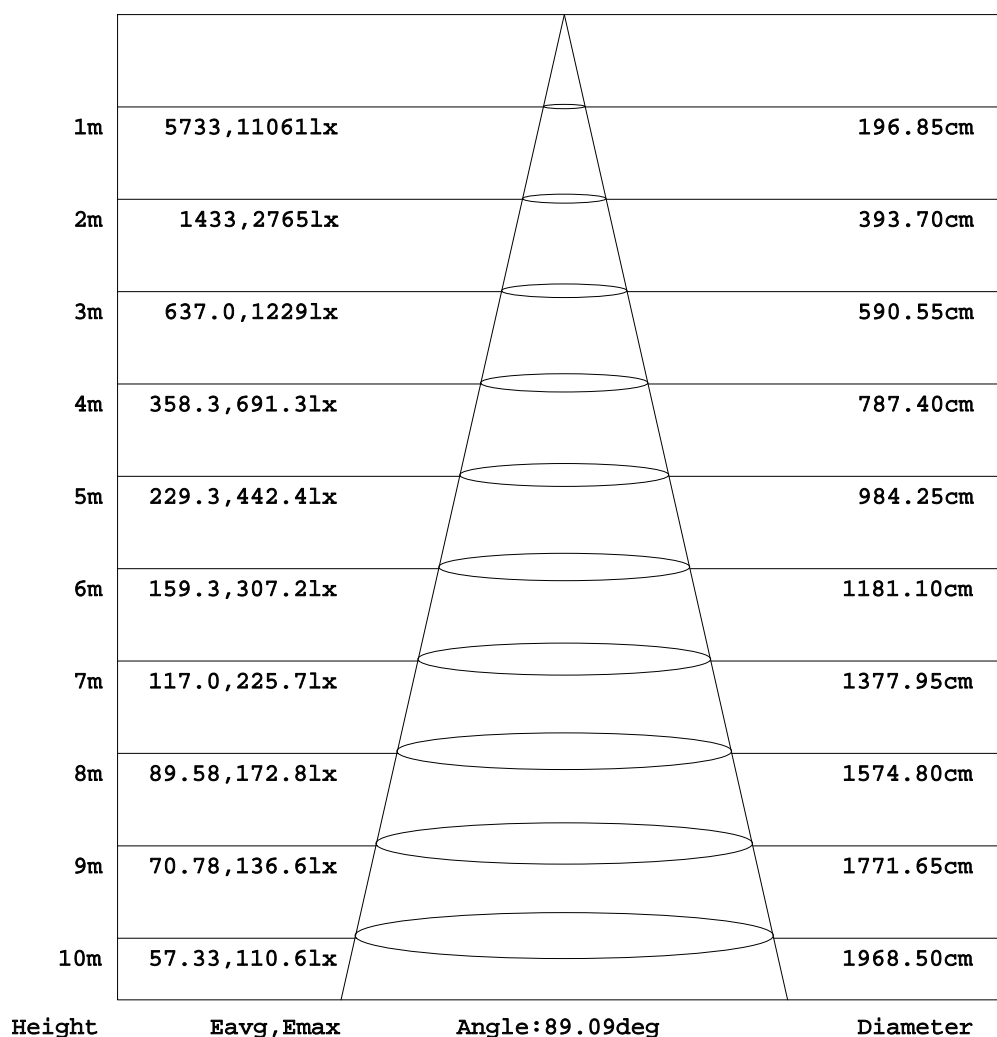
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Flux out:18012 lm



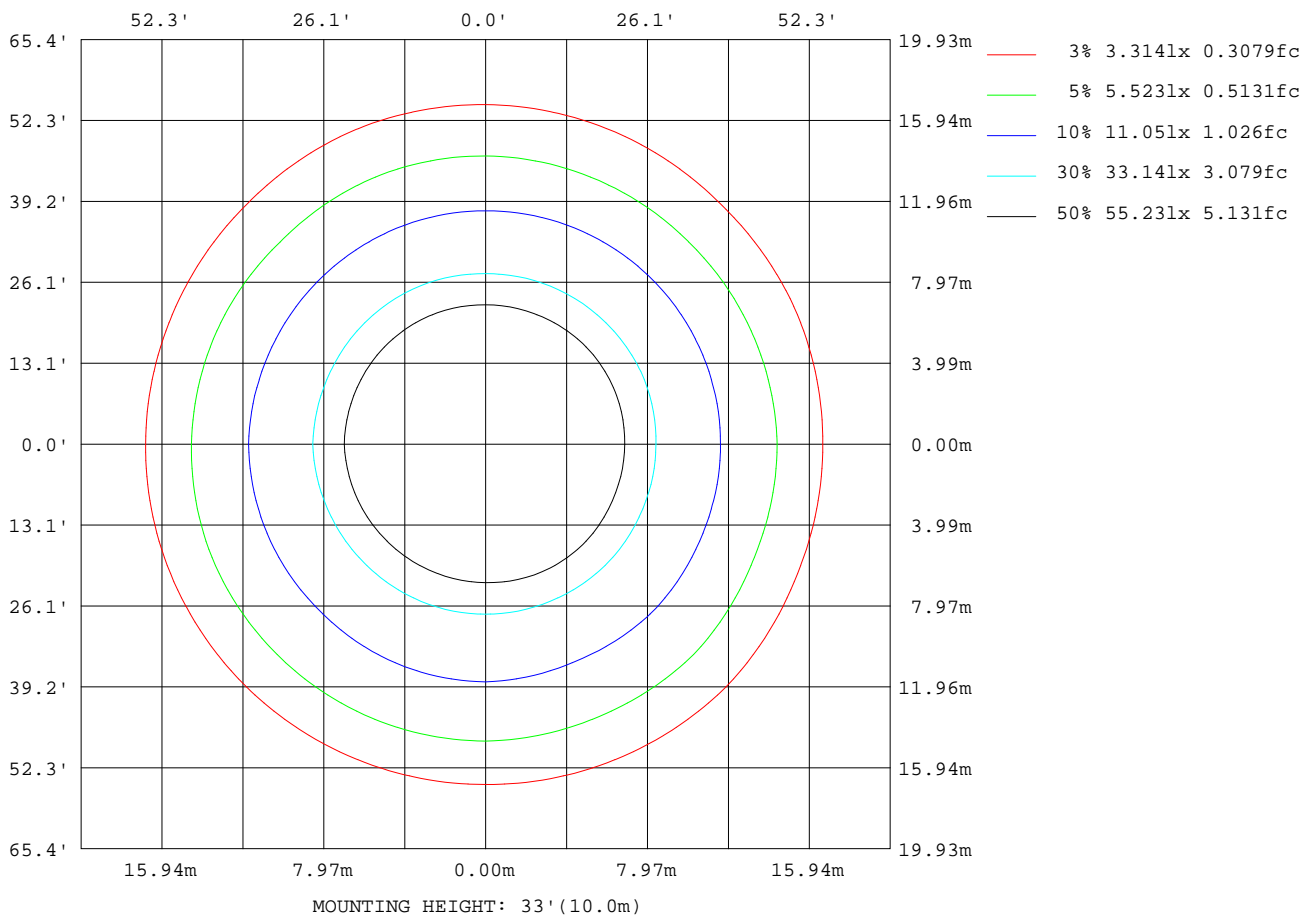
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	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:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

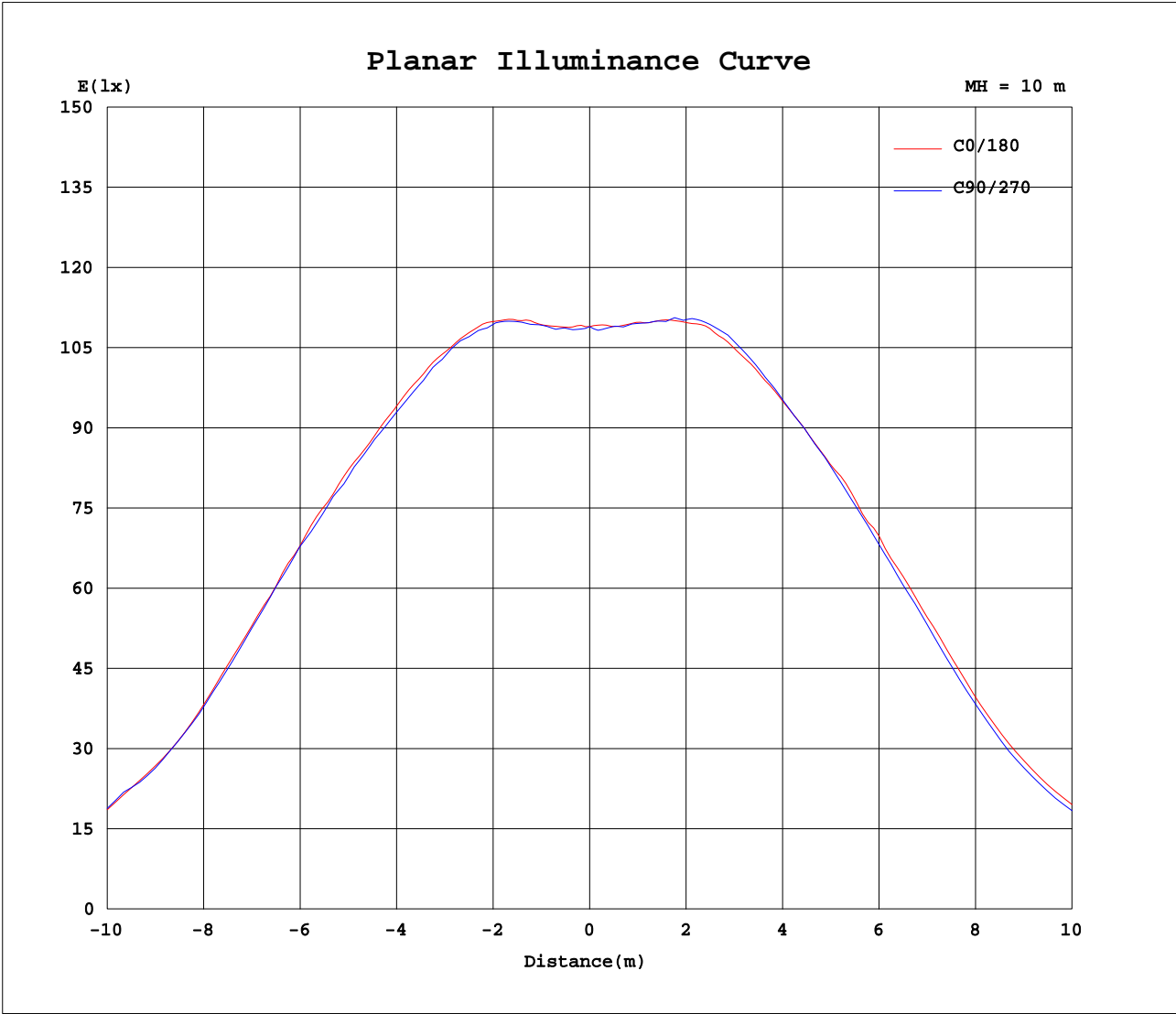
AvgL	cd/m2
L_0~180(65)av	52783
L_0~180(75)av	39608
L_0~180(85)av	29632
L_90~270(65)av	52642
L_90~270(75)av	37461
L_90~270(85)av	28596
L_45(65)av	52356
L_45(75)av	37733
L_45(85)av	29079

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	γ Range: 0 - 100DEG
C Interval: 5.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Temperature:25.3DEG	Humidity:65.0%
Operators:01	Test Distance:8.750m [K=1.0000]
Test Date:2023-03-02	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm																	
NAME: ECOHB200LSE5G7 with PC Reflector and lens									TYPE:Highbay						WEIGHT:		
SPEC.:DIP170W									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	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089
5	1104	1103	1103	1102	1102	1102	1103	1104	1105	1105	1103	1101	1100	1099	1099	1100	1101	1102	1102
10	1154	1152	1150	1148	1146	1145	1145	1144	1144	1144	1145	1145	1146	1146	1147	1148	1149	1150	1151
15	1183	1180	1177	1174	1172	1170	1170	1170	1170	1171	1171	1172	1173	1173	1174	1175	1176	1178	1180
20	1184	1181	1178	1176	1174	1172	1171	1171	1170	1170	1170	1170	1170	1170	1170	1169	1168	1168	1168
25	1155	1154	1153	1152	1151	1151	1151	1152	1152	1152	1152	1152	1152	1152	1152	1150	1148	1146	1145
30	1104	1100	1097	1094	1092	1091	1095	1097	1100	1102	1102	1100	1098	1096	1094	1092	1090	1089	1087
35	964	963	962	960	959	960	963	967	970	973	972	971	969	968	966	963	960	958	956
40	736	735	734	732	731	731	732	733	734	735	734	733	732	731	730	731	732	733	733
45	525	529	531	534	534	534	533	531	529	527	526	524	523	521	522	525	529	533	533
50	375	375	374	373	373	374	377	380	382	384	383	381	379	377	378	381	385	389	391
55	297	297	297	297	297	298	301	305	308	310	310	310	309	309	309	311	312	314	316
60	225	225	226	226	226	227	229	232	234	236	236	236	235	235	235	234	234	233	232
65	160	159	159	159	159	160	161	162	163	164	165	165	166	166	166	165	164	163	162
70	107	107	107	107	108	108	109	109	110	110	111	111	112	112	112	110	109	107	105
75	75.1	75.1	75.1	75.3	75.3	75.3	75.1	75.0	74.8	74.7	75.2	75.6	76.1	76.5	76.1	74.7	73.4	71.8	70.8
80	37.6	37.7	37.9	37.9	37.9	37.7	37.5	37.3	37.0	36.7	36.8	36.8	36.9	36.9	36.5	35.5	34.6	33.8	32.7
85	18.1	18.2	18.3	18.4	18.5	18.5	18.5	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.3	18.0	17.8	17.5	17.2
90	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.6
95	13.9	13.9	13.9	13.9	13.8	13.8	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.1	14.1
100	17.1	16.6	15.6	15.6	15.9	16.9	16.9	16.2	16.5	16.7	16.2	16.5	16.6	16.6	16.6	16.9	16.4	15.4	18.4
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:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	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	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089
5	1102	1102	1102	1102	1101	1100	1099	1098	1098	1100	1101	1103	1104	1106	1106	1107	1108	1108	1107
10	1150	1150	1149	1148	1148	1148	1148	1148	1148	1150	1151	1153	1154	1155	1154	1154	1153	1153	1153
15	1179	1178	1178	1178	1178	1179	1180	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191
20	1167	1167	1167	1167	1167	1168	1169	1169	1170	1171	1172	1172	1173	1176	1180	1184	1188	1191	1193
25	1144	1144	1144	1143	1143	1143	1143	1143	1143	1145	1147	1148	1150	1153	1158	1162	1167	1172	1173
30	1087	1088	1087	1087	1085	1082	1079	1077	1076	1079	1083	1086	1090	1094	1100	1105	1110	1114	1115
35	954	953	951	950	950	950	950	951	951	955	958	962	966	971	976	981	987	992	990
40	733	732	731	730	730	730	730	730	730	732	735	738	740	745	751	756	762	768	764
45	534	533	532	531	530	528	526	524	522	523	524	526	528	532	536	542	547	553	547
50	391	389	388	387	385	384	382	381	379	380	381	381	382	383	383	384	385	385	383
55	316	316	316	316	316	315	315	314	314	314	314	314	313	313	311	309	308	306	304
60	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	234	233
65	161	161	161	161	161	161	161	161	161	161	162	162	162	163	163	164	165	166	165
70	105	106	106	106	105	105	104	104	104	104	105	105	106	107	108	109	110	111	110
75	70.6	70.8	70.9	71.0	70.7	70.1	69.5	68.9	68.3	68.7	69.1	69.4	69.8	70.5	71.5	72.4	73.4	74.4	73.6
80	32.8	32.7	32.6	32.5	32.5	32.5	32.6	32.6	32.6	33.4	34.1	34.8	35.6	36.6	37.6	38.7	39.7	40.7	40.8
85	17.2	17.1	17.1	17.0	17.0	17.1	17.2	17.3	17.4	17.6	17.9	18.1	18.3	18.6	18.9	19.1	19.3	19.6	19.5
90	12.7	12.7	12.7	12.7	12.8	12.9	13.0	13.1	13.2	13.2	13.3	13.4	13.4	13.4	13.4	13.3	13.3	13.2	13.1
95	14.1	14.2	14.2	14.2	14.3	14.3	14.3	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.4	14.3	14.2	14.1	14.0
100	15.3	16.2	16.2	15.6	15.4	15.2	14.8	14.4	14.6	14.4	13.4	14.2	14.1	12.9	12.6	12.5	13.2	13.6	13.0
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:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm																		
NAME: ECOHB200LSE5G7 with PC Reflector and lens										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	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089
5	1106	1105	1103	1103	1103	1104	1104	1104	1105	1104	1104	1104	1104	1105	1105	1106	1107	1107	1107
10	1154	1154	1155	1155	1155	1154	1154	1154	1154	1155	1156	1157	1157	1157	1157	1157	1158	1158	1156
15	1192	1193	1193	1195	1197	1199	1202	1204	1205	1205	1205	1205	1205	1204	1204	1203	1203	1202	1201
20	1195	1197	1198	1200	1200	1201	1202	1203	1204	1205	1206	1207	1207	1205	1203	1201	1199	1199	1199
25	1175	1176	1178	1178	1177	1176	1175	1175	1174	1174	1174	1174	1173	1173	1172	1171	1170	1170	1170
30	1114	1114	1113	1113	1115	1116	1117	1119	1118	1116	1115	1114	1112	1109	1107	1105	1103	1104	1105
35	987	985	982	981	980	980	980	980	979	978	977	976	974	972	970	968	967	966	966
40	759	755	751	749	749	749	750	750	750	750	749	749	748	745	743	741	739	739	739
45	542	537	533	530	529	529	529	529	529	528	528	528	528	527	526	525	520	524	526
50	380	378	376	373	371	369	367	366	365	365	364	364	364	364	364	365	365	365	364
55	302	301	299	297	294	292	290	287	288	288	289	290	290	289	288	288	286	286	286
60	232	231	231	230	230	230	231	231	231	232	233	234	234	234	233	233	232	231	230
65	164	163	163	163	163	164	164	165	166	166	167	168	167	166	165	164	163	162	161
70	109	108	108	108	109	110	111	112	112	112	112	112	112	112	112	111	111	110	110
75	72.9	72.1	71.4	71.2	71.6	71.9	72.3	72.6	72.3	72.1	71.8	71.5	71.3	71.1	70.9	70.9	70.5	70.7	70.5
80	40.8	40.8	40.8	40.9	41.1	41.3	41.5	41.7	41.7	41.8	41.8	41.9	42.2	42.7	43.2	43.7	44.3	44.1	44.0
85	19.5	19.4	19.4	19.3	19.3	19.2	19.2	19.2	19.1	19.1	19.0	18.9	18.9	19.0	19.1	19.1	19.1	19.1	19.0
90	13.0	12.9	12.8	12.8	12.7	12.7	12.6	12.6	12.6	12.6	12.6	12.5	12.5	12.5	12.5	12.5	12.4	12.4	12.4
95	13.9	13.8	13.7	13.6	13.5	13.5	13.4	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.4	13.4	13.4	13.4	13.4
100	12.1	12.0	12.1	13.1	13.2	12.4	13.2	13.4	13.3	13.6	14.1	14.3	14.5	15.0	15.0	14.2	17.1	14.4	15.4
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:240.78V I:0.7206A P:171.01W PF:0.9857 Freq:49.99Hz Lamp Flux:25274.3x1 lm																	
NAME: ECOHB200LSE5G7 with PC Reflector and lens									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	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089	1089				
5	1106	1106	1106	1105	1105	1105	1105	1104	1103	1102	1101	1101	1102	1102	1103				
10	1155	1156	1155	1154	1154	1154	1153	1152	1152	1151	1150	1151	1151	1152	1153				
15	1200	1199	1197	1196	1194	1192	1191	1190	1189	1189	1188	1188	1186	1185	1184				
20	1199	1199	1198	1198	1197	1196	1195	1194	1192	1190	1189	1187	1186	1185	1184				
25	1170	1170	1170	1170	1170	1170	1170	1168	1166	1164	1162	1160	1159	1158	1157				
30	1106	1108	1108	1108	1107	1106	1106	1105	1104	1104	1103	1103	1103	1103	1103				
35	965	965	966	968	970	972	974	974	974	975	975	974	972	969	966				
40	740	740	741	741	742	743	743	745	746	747	749	748	745	742	739				
45	527	529	530	531	531	532	532	534	535	536	537	537	534	532	530				
50	364	364	364	365	367	368	369	369	370	370	371	372	372	373	374				
55	285	284	284	283	283	283	282	284	285	287	288	290	292	293	295				
60	229	228	227	226	225	223	222	223	224	225	226	226	226	226	226				
65	161	160	159	158	157	156	155	156	158	159	161	161	161	160	160				
70	109	108	107	106	106	105	104	105	106	108	109	109	108	108	107				
75	70.5	70.5	70.3	70.0	69.7	69.4	69.1	70.0	70.9	71.8	72.6	73.3	73.8	74.2	74.6				
80	43.9	43.8	43.8	44.0	44.0	44.1	44.2	44.0	43.7	43.5	43.2	42.6	41.4	40.2	38.9				
85	18.9	18.9	18.8	18.9	18.9	18.9	18.9	19.0	19.0	19.0	19.0	18.9	18.8	18.5	18.3				
90	12.4	12.4	12.4	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.8	12.8	12.7	12.7	12.6				
95	13.4	13.4	13.5	13.5	13.5	13.5	13.6	13.5	13.5	13.5	13.4	13.5	13.6	13.7	13.8				
100	15.8	15.6	15.6	15.7	15.6	15.4	15.9	15.7	15.4	16.2	16.2	15.3	15.1	15.3	16.4				
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: