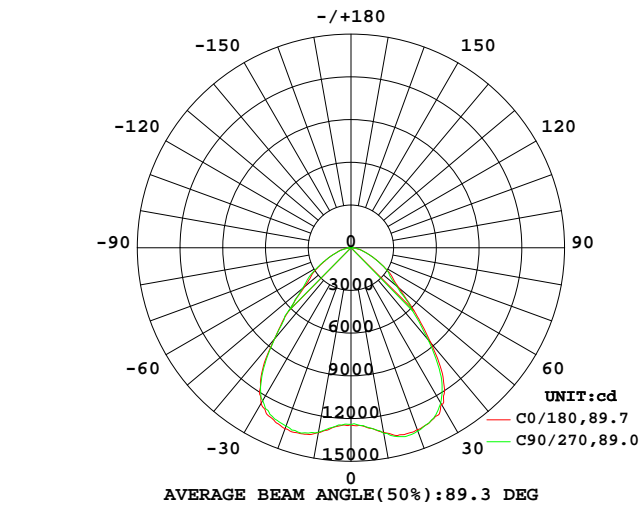


LUMINAIRE PHOTOMETRIC TEST REPORT

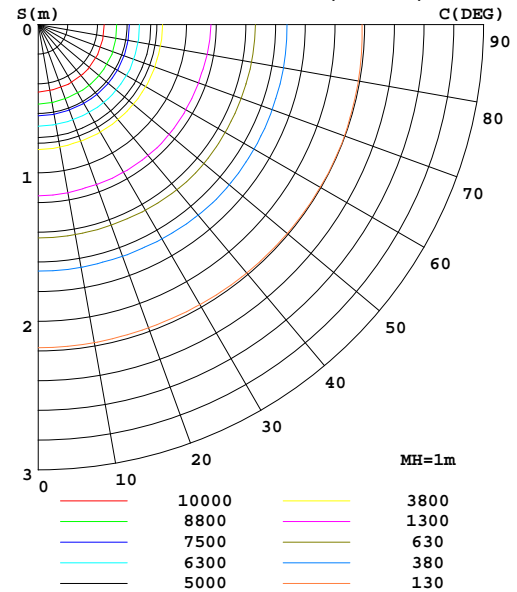
Test:U:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.64 lm/W			
MODEL	1	Imax(cd)	13851	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)	28830	η UP,DN(C0-180)	0.3,49.5
NOMINAL FLUX(lm)	28829.6	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	1318	1307	1315	1310	1317	1317	1323	1317	0- 10	1221	1221	4.24,4.24
20	1352	1336	1333	1337	1360	1373	1369	1364	10- 20	3828	5049	17.5,17.5
30	1262	1261	1240	1226	1270	1278	1260	1262	20- 30	6091	11140	38.6,38.6
40	836.7	835.4	834.1	830.3	874.4	853.4	841.1	846.6	30- 40	6756	17896	62.1,62.1
50	426.9	437.2	445.5	431.9	438.3	416.0	416.0	420.4	40- 50	4699	22595	78.4,78.4
60	256.6	268.5	264.5	265.5	266.2	263.2	264.7	253.4	50- 60	3056	25651	89,89
70	122.0	126.7	119.9	118.1	126.3	127.7	126.8	119.1	60- 70	1856	27506	95.4,95.4
80	42.74	41.65	37.30	37.15	46.31	47.51	50.52	50.57	70- 80	871.3	28378	98.4,98.4
90	14.43	14.59	14.56	15.22	15.22	14.37	14.24	14.56	80- 90	259.9	28638	99.3,99.3
100	20.60	20.50	21.16	18.13	16.61	16.67	19.63	19.48	90-100	180.3	28818	100,100
110	0	0	0	0	0	0	0	0	100-110	11.74	28830	100,100
120	0	0	0	0	0	0	0	0	110-120	0	28830	100,100
130	0	0	0	0	0	0	0	0	120-130	0	28830	100,100
140	0	0	0	0	0	0	0	0	130-140	0	28830	100,100
150	0	0	0	0	0	0	0	0	140-150	0	28830	100,100
160	0	0	0	0	0	0	0	0	150-160	0	28830	100,100
170	0	0	0	0	0	0	0	0	160-170	0	28830	100,100
180	0	0	0	0	0	0	0	0	170-180	0	28830	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 20548 lm

%lum = 71.3%

%lamp = 71.3%

Conical surface Flux(120deg): 25651 lm

%lum = 89.0%

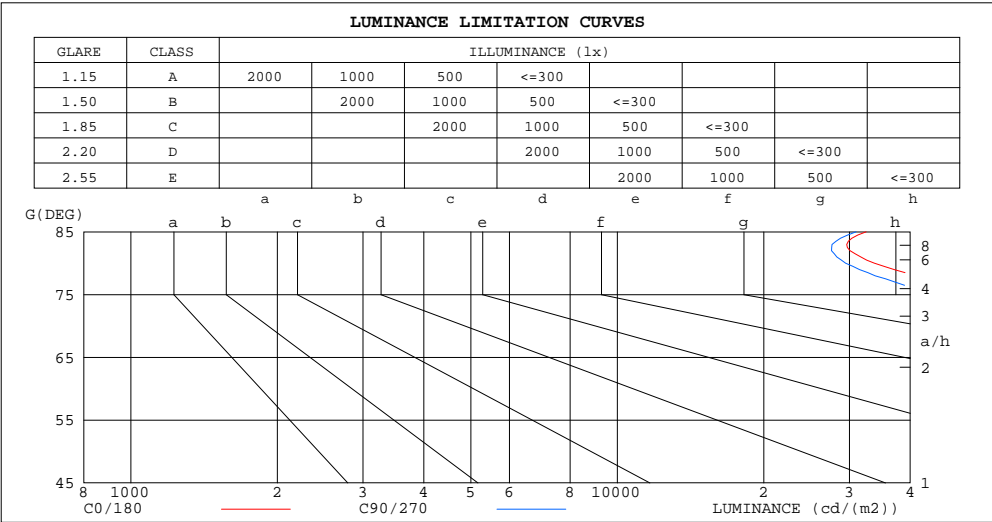
%lamp = 89.0%

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:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	32462	30952
80	33762	29468
75	45598	42855
70	48914	48106
65	59051	59696
60	70386	72571
55	81182	86093
50	91104	95074
45	115702	117430

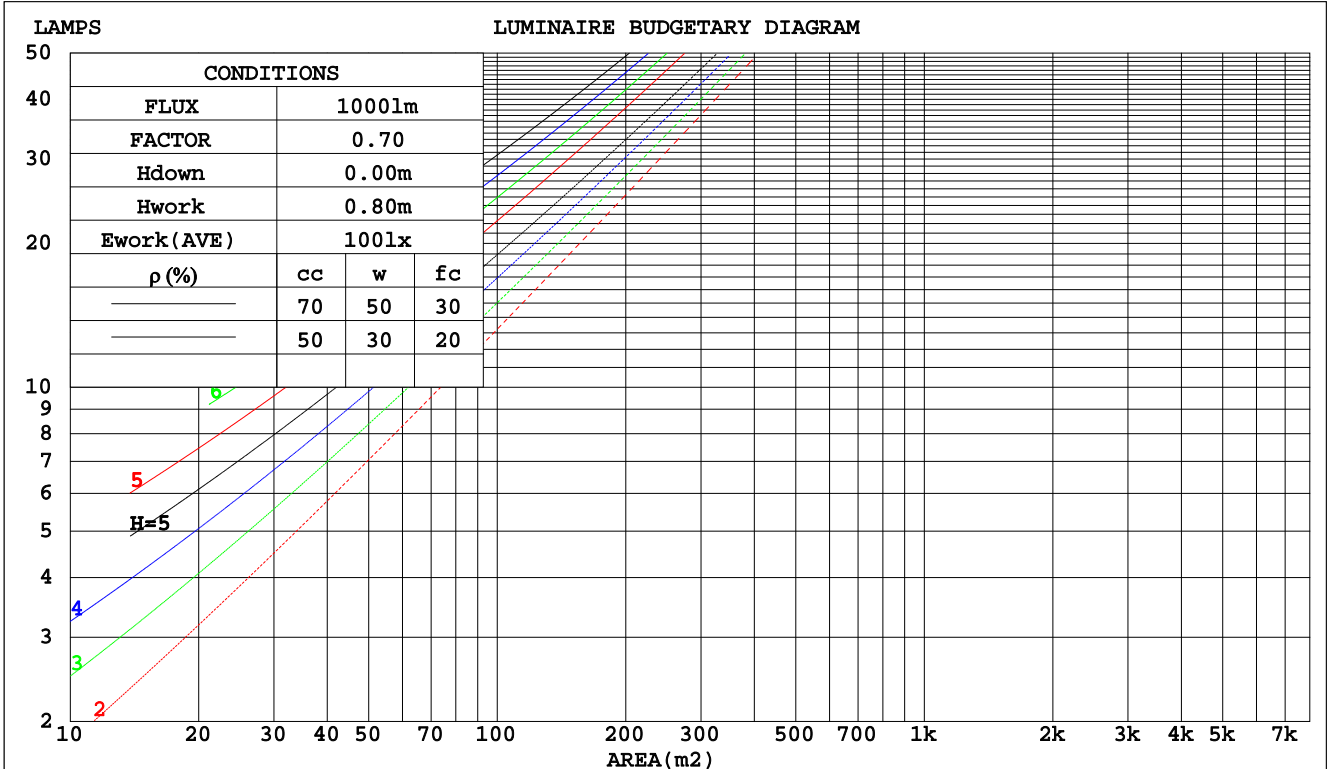
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

pcc	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:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm					
NAME: ECOHB200LSE5G7 with PC Reflector and lens			TYPE:Highbay		WEIGHT:
SPEC.:DIP200W			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	.111	.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	.071	.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	.182	.162	.144	.155	.139	.124	.106	.096	.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	.075	.042	.083	.052	.030	.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	.056	.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:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm										
NAME: ECOHB200LSE5G7 with PC Reflector and lens					TYPE:Highbay			WEIGHT:		
SPEC.:DIP200W					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	27.3	28.6	27.6	28.8	29.0	27.5	28.8	27.7	29.0	29.2
3H	28.0	29.2	28.3	29.4	29.7	28.1	29.3	28.4	29.6	29.8
4H	28.2	29.4	28.6	29.6	29.9	28.3	29.5	28.7	29.7	30.0
6H	28.4	29.5	28.7	29.8	30.0	28.5	29.5	28.8	29.8	30.1
8H	28.4	29.5	28.8	29.7	30.0	28.5	29.5	28.8	29.8	30.1
12H	28.4	29.4	28.8	29.7	30.0	28.5	29.5	28.8	29.8	30.1
4H 2H	27.6	28.8	27.9	29.0	29.3	27.7	28.9	28.0	29.1	29.4
3H	28.4	29.4	28.8	29.7	30.0	28.6	29.5	28.9	29.8	30.1
4H	28.8	29.7	29.2	30.0	30.4	28.9	29.8	29.3	30.1	30.5
6H	29.1	29.9	29.5	30.2	30.6	29.1	29.9	29.5	30.2	30.6
8H	29.1	29.9	29.5	30.2	30.6	29.1	29.9	29.6	30.2	30.6
12H	29.2	29.8	29.6	30.2	30.6	29.2	29.8	29.6	30.2	30.7
8H 4H	28.9	29.7	29.3	30.0	30.4	29.0	29.7	29.4	30.1	30.5
6H	29.3	29.9	29.7	30.3	30.7	29.3	29.9	29.7	30.3	30.7
8H	29.4	29.9	29.8	30.3	30.8	29.4	29.9	29.8	30.3	30.8
12H	29.4	29.9	29.9	30.4	30.8	29.4	29.9	29.9	30.4	30.9
12H 4H	28.9	29.6	29.3	30.0	30.4	29.0	29.7	29.4	30.0	30.5
6H	29.3	29.8	29.7	30.2	30.7	29.3	29.8	29.7	30.2	30.7
8H	29.4	29.8	29.9	30.3	30.8	29.4	29.8	29.9	30.3	30.8
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					+ 0.7 / - 0.6				

CIE Pub.117, 28830 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 11.7$)
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:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

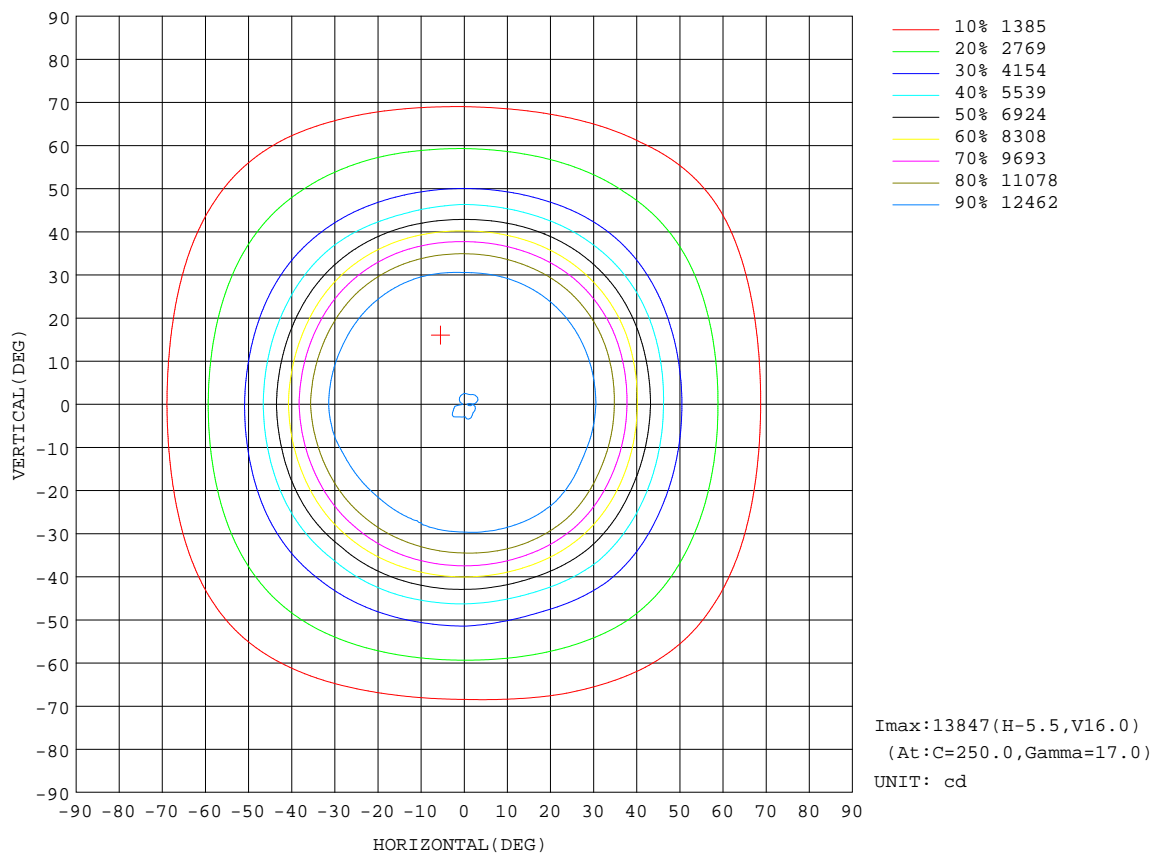
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	58	52	67	58	52	66	57	52	47
0.80	77	68	62	76	67	62	75	67	61	56
1.00	85	76	70	84	75	70	82	76	69	63
1.25	91	83	77	90	82	76	87	81	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:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



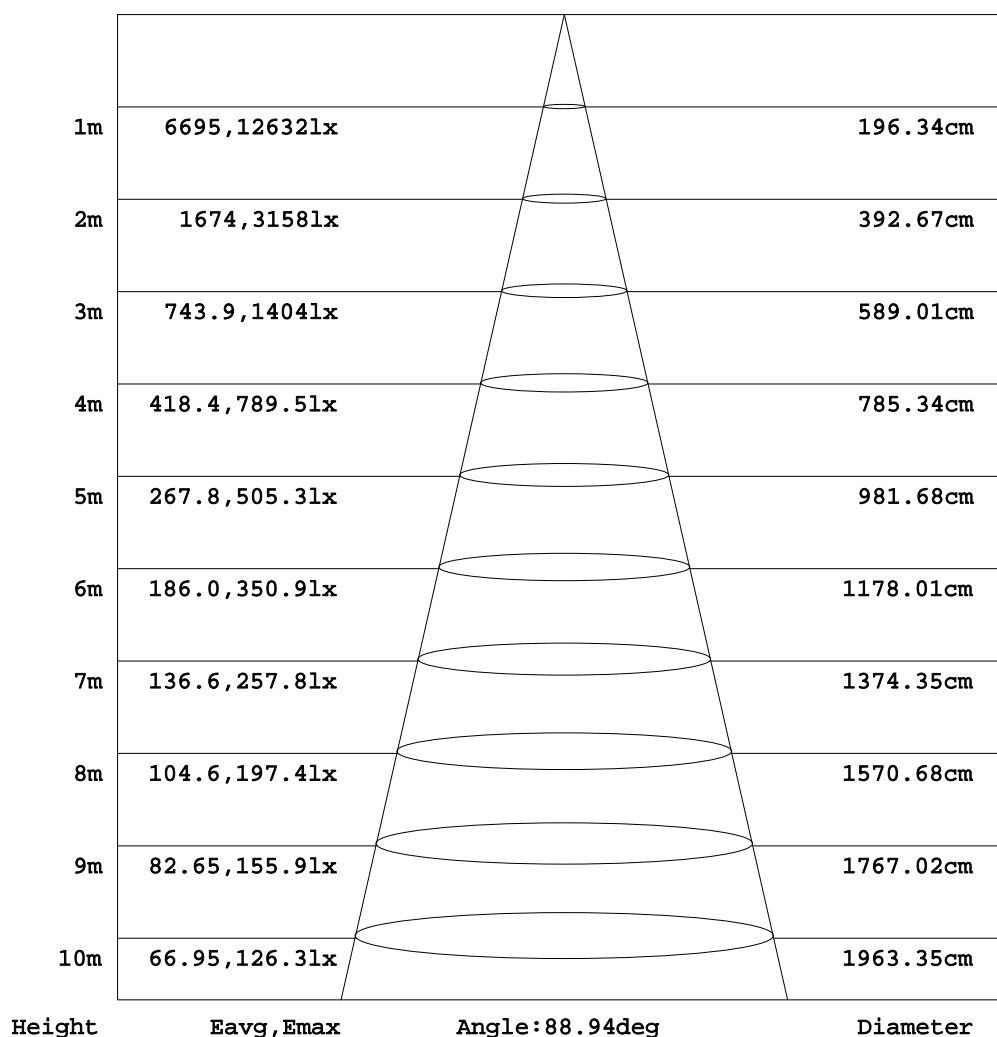
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2023-03-02

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

AAI Figure

Test:U:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Flux out:20311 lm



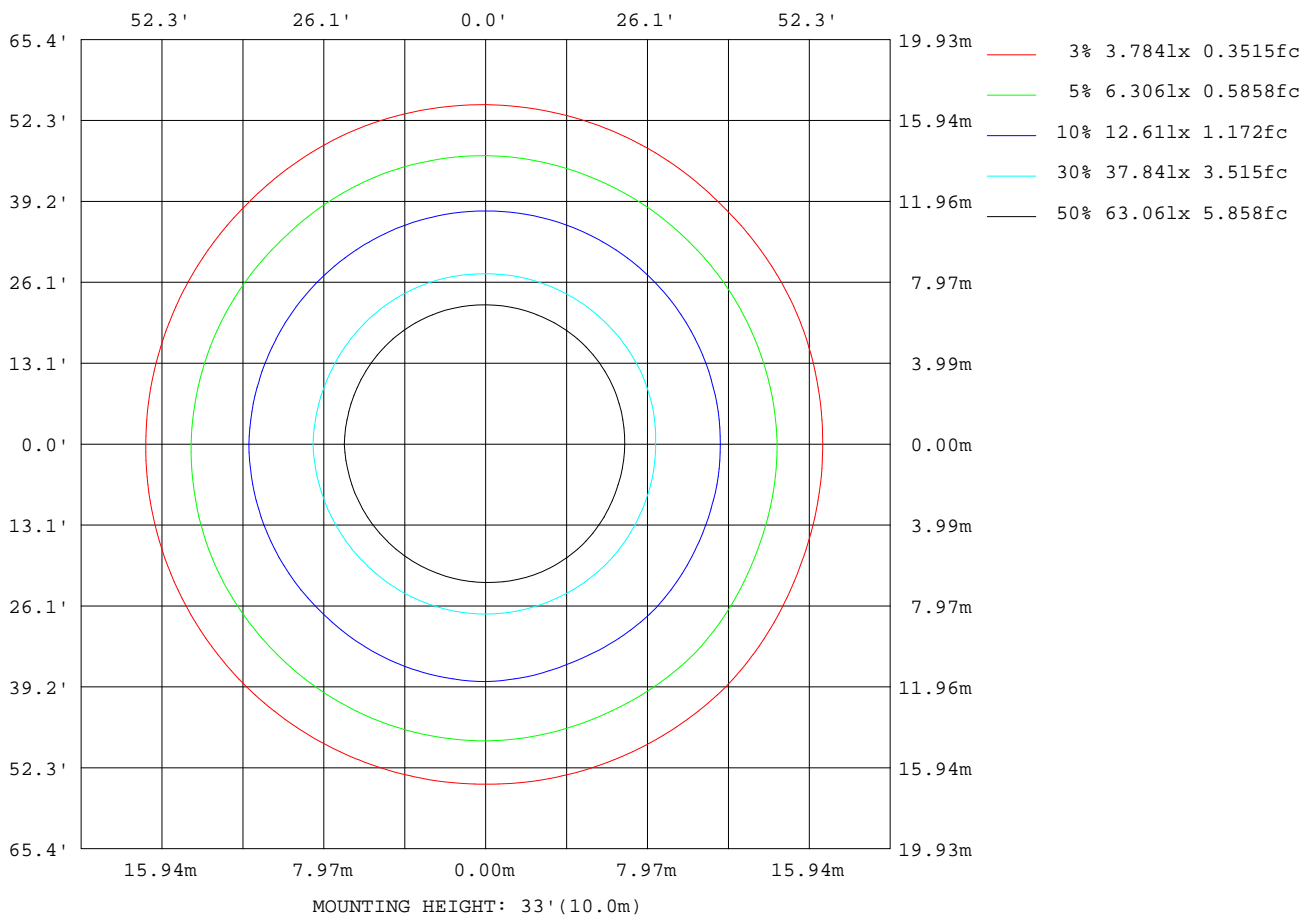
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

ISOLUX DIAGRAM

Test:U:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



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

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

LED Avg.L Report

Test:U:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

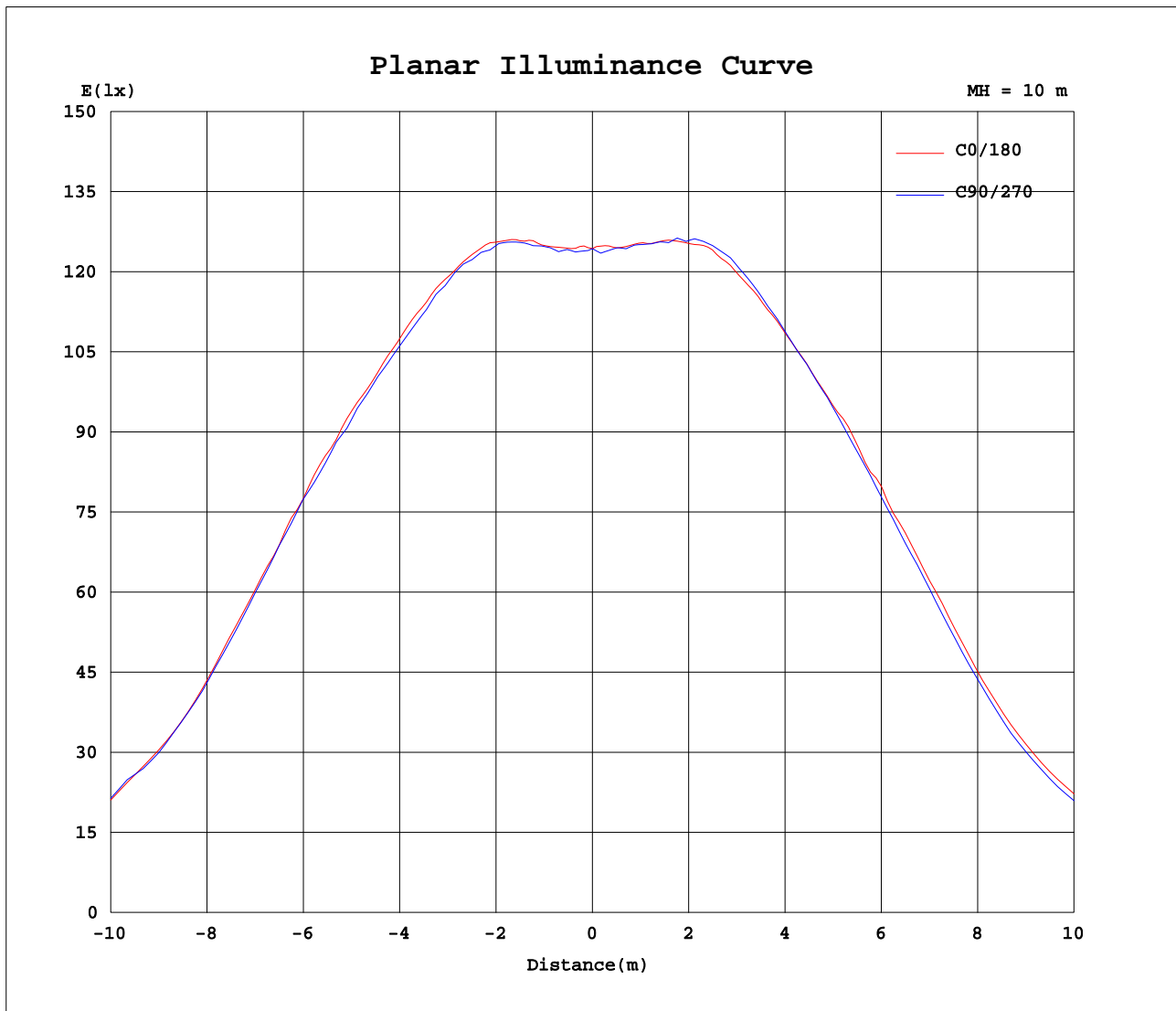
AvgL	cd/m2
L_0~180(65)av	60189
L_0~180(75)av	45321
L_0~180(85)av	33963
L_90~270(65)av	59984
L_90~270(75)av	42814
L_90~270(85)av	32702
L_45(65)av	59661
L_45(75)av	43119
L_45(85)av	33196

Standard: GB/T 29293-2012

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

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

Planar Illuminance Curve



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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm																		
NAME: ECOHB200LSE5G7 with PC Reflector and lens										TYPE:Highbay					WEIGHT:			
SPEC.:DIP200W										DIM.: D330					SERIAL No.:			
MFR.: Eastfield										SUR.:D270					Shielding Angle:			

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244
5	1262	1261	1260	1259	1259	1258	1260	1261	1262	1263	1260	1258	1255	1254	1255	1256	1257	1258	1259
10	1318	1316	1314	1311	1309	1308	1308	1308	1307	1307	1308	1308	1309	1309	1310	1311	1312	1314	1315
15	1352	1349	1345	1342	1339	1337	1337	1337	1338	1338	1339	1339	1340	1340	1341	1343	1344	1346	1347
20	1352	1349	1346	1344	1341	1339	1338	1338	1337	1336	1336	1336	1336	1337	1336	1335	1334	1334	1333
25	1319	1318	1317	1316	1315	1315	1315	1315	1316	1316	1316	1316	1316	1316	1315	1313	1311	1309	1307
30	1262	1257	1254	1250	1246	1246	1250	1253	1257	1261	1259	1256	1253	1250	1247	1246	1243	1242	1240
35	1099	1098	1096	1095	1093	1094	1098	1102	1106	1110	1108	1107	1105	1103	1100	1097	1094	1091	1089
40	837	836	834	832	831	831	832	833	834	835	834	833	832	830	830	831	832	833	834
45	596	601	604	607	609	609	607	604	601	599	597	595	594	592	593	597	601	604	605
50	427	426	426	425	424	425	428	432	434	437	435	433	431	429	430	434	438	442	446
55	339	340	340	340	340	342	345	348	351	354	354	353	352	352	353	354	356	358	360
60	257	257	257	257	257	258	261	264	266	268	268	268	268	268	267	267	266	265	265
65	182	182	182	182	181	182	183	184	186	187	188	188	189	189	189	188	186	185	184
70	122	122	123	123	123	123	124	125	126	127	127	127	128	128	127	125	124	122	120
75	86.0	86.0	86.0	86.1	86.1	86.1	85.9	85.7	85.5	85.4	85.9	86.4	86.9	87.4	86.8	85.3	83.8	82.1	80.9
80	42.7	42.9	43.0	43.1	43.1	42.9	42.6	42.4	42.0	41.7	41.8	41.8	41.9	41.9	41.4	40.4	39.4	38.4	37.3
85	20.6	20.8	20.9	21.1	21.2	21.3	21.2	21.1	21.0	20.9	21.0	21.1	21.1	21.1	21.0	20.7	20.3	20.0	19.7
90	14.4	14.4	14.4	14.4	14.4	14.4	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.7	14.7	14.6	14.6	14.6	14.6
95	16.0	16.0	16.0	16.0	15.9	15.9	16.0	16.0	16.0	16.1	16.1	16.1	16.1	16.1	16.1	16.2	16.2	16.3	16.3
100	20.6	20.1	19.2	19.2	19.4	20.5	20.5	19.6	20.3	20.5	19.9	20.2	20.4	20.3	20.2	20.5	19.9	19.0	21.2
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:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP200W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Table--2

UNIT: ×10cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244
5	1259	1259	1259	1258	1257	1255	1254	1253	1252	1255	1256	1259	1260	1262	1263	1264	1265	1266	1265
10	1314	1313	1312	1311	1311	1311	1310	1310	1310	1312	1314	1316	1317	1318	1318	1317	1317	1317	1317
15	1347	1346	1346	1345	1346	1347	1348	1348	1349	1350	1351	1353	1353	1354	1356	1357	1358	1359	1360
20	1333	1333	1333	1333	1333	1334	1335	1336	1337	1337	1338	1338	1339	1342	1347	1351	1356	1360	1363
25	1307	1306	1305	1305	1305	1305	1305	1305	1305	1307	1309	1310	1312	1316	1322	1327	1333	1338	1340
30	1241	1242	1242	1243	1240	1236	1232	1229	1226	1231	1235	1239	1244	1248	1255	1261	1266	1270	1272
35	1087	1085	1084	1083	1082	1083	1083	1083	1084	1087	1091	1095	1099	1105	1111	1118	1125	1131	1128
40	833	832	832	831	830	830	830	830	830	833	836	839	842	847	854	861	867	874	869
45	606	605	605	604	603	600	598	596	593	594	596	597	599	604	609	616	622	629	623
50	444	443	441	440	438	437	435	433	432	433	433	434	435	436	436	437	438	438	436
55	360	360	360	360	360	360	359	358	358	358	358	358	358	357	355	354	352	350	348
60	265	265	265	265	265	265	265	265	265	265	265	265	265	266	266	266	266	266	265
65	184	184	183	183	183	183	183	183	184	184	184	185	185	185	186	187	188	189	188
70	120	120	120	120	120	120	119	119	118	119	119	120	121	122	123	124	125	126	126
75	80.7	80.9	81.0	81.0	80.7	80.0	79.4	78.7	78.1	78.4	78.9	79.3	79.7	80.5	81.6	82.8	83.9	85.0	84.2
80	37.3	37.2	37.0	36.9	36.9	37.0	37.0	37.1	37.2	38.0	38.9	39.7	40.5	41.6	42.8	44.0	45.1	46.3	46.4
85	19.7	19.6	19.6	19.6	19.6	19.6	19.7	19.8	19.9	20.2	20.5	20.8	21.1	21.4	21.7	22.0	22.2	22.5	22.4
90	14.6	14.6	14.7	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.3	15.4	15.4	15.4	15.4	15.3	15.3	15.2	15.1
95	16.3	16.3	16.4	16.4	16.4	16.5	16.5	16.6	16.6	16.7	16.7	16.7	16.7	16.7	16.6	16.5	16.4	16.3	16.2
100	18.9	19.7	19.6	19.1	19.0	18.8	18.3	17.7	18.1	17.7	16.7	17.5	17.3	16.1	15.7	15.5	16.3	16.6	16.0
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:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm																		
NAME: ECOHB200LSE5G7 with PC Reflector and lens										TYPE:Highbay					WEIGHT:			
SPEC.:DIP200W										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	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244
5	1263	1262	1260	1260	1260	1261	1261	1262	1262	1261	1261	1261	1261	1261	1262	1263	1264	1264	1264
10	1318	1318	1319	1319	1319	1318	1318	1317	1318	1319	1320	1321	1321	1321	1321	1322	1323	1322	1320
15	1361	1362	1363	1365	1368	1370	1373	1375	1376	1376	1376	1376	1376	1375	1375	1374	1374	1372	1371
20	1365	1367	1369	1370	1371	1371	1372	1373	1374	1376	1377	1379	1379	1377	1374	1372	1369	1369	1369
25	1342	1344	1345	1346	1344	1343	1342	1341	1340	1340	1340	1340	1340	1339	1338	1337	1336	1336	1336
30	1271	1271	1270	1271	1273	1275	1277	1278	1277	1275	1273	1271	1269	1267	1264	1262	1260	1260	1262
35	1125	1122	1119	1117	1117	1118	1118	1119	1117	1116	1114	1113	1111	1109	1107	1105	1103	1102	1102
40	864	859	854	852	852	852	853	853	853	853	853	853	852	849	846	844	841	841	842
45	617	611	605	602	602	602	601	601	601	602	602	602	602	600	598	597	593	596	598
50	433	430	428	425	423	420	418	416	415	415	415	414	414	415	415	416	416	416	415
55	346	343	341	339	336	334	332	329	330	330	331	331	331	330	330	329	329	328	327
60	265	264	263	263	263	263	263	263	264	265	266	267	267	266	266	265	265	263	262
65	187	186	185	185	186	187	187	188	189	189	190	191	191	189	188	187	186	185	184
70	125	124	124	124	125	126	127	128	128	128	128	129	128	128	128	127	127	126	125
75	83.3	82.4	81.6	81.4	81.8	82.2	82.6	83.0	82.7	82.3	82.0	81.7	81.4	81.2	81.0	81.0	80.7	80.8	80.7
80	46.4	46.4	46.5	46.6	46.8	47.0	47.3	47.5	47.6	47.6	47.7	47.8	48.1	48.7	49.3	49.9	50.5	50.4	50.3
85	22.3	22.2	22.1	22.0	22.0	22.0	21.9	21.9	21.9	21.8	21.7	21.6	21.6	21.7	21.8	21.8	21.9	21.8	21.7
90	15.0	14.8	14.7	14.6	14.6	14.5	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.3	14.3	14.3	14.2	14.3	14.4
95	16.0	15.9	15.8	15.6	15.6	15.5	15.4	15.4	15.4	15.4	15.5	15.5	15.5	15.5	15.4	15.4	15.4	15.4	15.4
100	15.0	15.0	15.1	16.1	16.3	15.5	16.3	16.7	16.3	16.9	17.3	17.5	17.7	18.2	18.2	17.5	19.6	17.7	18.6
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:240.71V I:0.8426A P:200.71W PF:0.9897 Freq:49.99Hz Lamp Flux:28829.6x1 lm																	
NAME: ECOHB200LSE5G7 with PC Reflector and lens									TYPE:Highbay						WEIGHT:		
SPEC.:DIP200W									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	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244				
5	1263	1263	1262	1262	1262	1262	1262	1261	1260	1258	1257	1257	1258	1259	1260				
10	1320	1320	1319	1318	1318	1318	1317	1316	1315	1314	1313	1313	1315	1316	1317				
15	1370	1369	1367	1365	1363	1361	1360	1359	1358	1357	1357	1356	1355	1354	1353				
20	1369	1369	1368	1367	1366	1366	1364	1363	1361	1359	1357	1356	1355	1354	1353				
25	1336	1337	1336	1336	1336	1336	1336	1334	1332	1329	1327	1325	1324	1322	1321				
30	1264	1265	1266	1265	1264	1263	1262	1262	1261	1261	1260	1260	1260	1260	1261				
35	1102	1101	1102	1104	1107	1109	1111	1111	1112	1113	1113	1112	1109	1106	1102				
40	843	843	844	845	845	846	847	848	850	852	853	852	848	845	841				
45	600	603	604	605	605	606	607	608	609	611	612	611	607	604	601				
50	415	414	415	416	418	419	420	421	422	422	423	424	424	425	426				
55	326	325	324	324	324	324	324	325	327	328	329	331	333	335	337				
60	261	260	259	257	256	255	253	254	256	257	258	258	258	258	257				
65	183	182	181	180	179	178	177	178	180	182	183	184	183	183	182				
70	125	124	123	122	121	120	119	121	122	124	125	125	125	124	123				
75	80.6	80.6	80.4	80.0	79.7	79.3	79.0	80.0	81.0	82.1	83.0	83.9	84.4	84.9	85.5				
80	50.2	50.0	50.1	50.2	50.3	50.4	50.6	50.3	49.9	49.6	49.3	48.5	47.1	45.7	44.2				
85	21.6	21.5	21.5	21.5	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.6	21.4	21.1	20.9				
90	14.4	14.5	14.5	14.5	14.5	14.5	14.6	14.6	14.6	14.6	14.7	14.7	14.6	14.5	14.5				
95	15.4	15.4	15.5	15.5	15.5	15.5	15.6	15.5	15.5	15.5	15.5	15.6	15.7	15.8	15.9				
100	19.1	18.9	19.0	19.2	19.1	18.8	19.5	19.4	18.7	19.6	19.7	18.7	18.7	18.9	20.0				
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				
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
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 Temperature:25.3DEG
 Operators:01
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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: