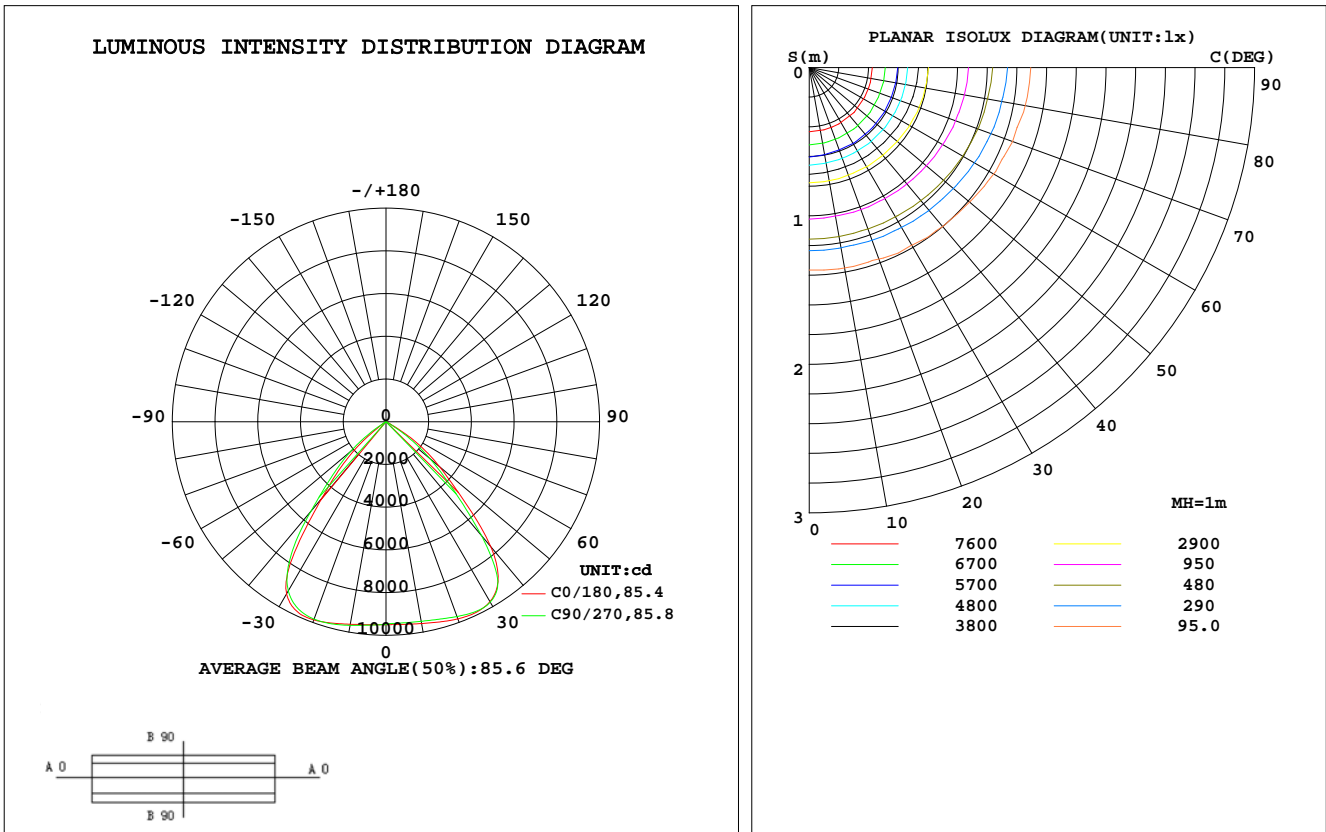


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm					
NAME: ECOHB120LSE5G7 with AL Reflector			TYPE:Highbay		WEIGHT:
SPEC.:DIP100W			DIM.: D290		SERIAL No.:
MFR.: Eastfield			SUR.:D238		Shielding Angle:

DATA OF LAMP			PHOTOMETRIC DATA			Eff: 174.05 lm/W
MODEL	1		Imax(cd)	9887	S/MH(C0/180)	1.32
NOMINAL POWER(W)	120		LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	240		TOTAL FLUX(lm)	17496	η UP,DN(C0-180)	0.0,48.2
NOMINAL FLUX(lm)	17496.6		CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.8
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	9627	9676	9678	9629	9592	9515	9486	9507	0- 10	910.1	910.1	5.2,5.2
20	9874	9855	9835	9862	9821	9722	9703	9746	10- 20	2752	3662	20.9,20.9
30	9311	9028	9143	9544	9730	9754	9756	9628	20- 30	4505	8167	46.7,46.7
40	4659	4722	5459	6758	7626	7602	6959	5800	30- 40	5113	13280	75.9,75.9
50	1421	1650	2162	2720	3285	3157	2688	1977	40- 50	3115	16395	93.7,93.7
60	81.40	98.76	140.6	263.0	530.7	417.2	200.6	114.1	50- 60	997.3	17392	99.4,99.4
70	22.09	24.36	27.23	40.56	50.80	33.78	22.05	20.52	60- 70	81.91	17474	99.9,99.9
80	5.087	5.932	7.535	13.19	16.98	9.954	5.669	4.323	70- 80	18.84	17493	100,100
90	0	0	0	0.0097	1.647	0.2309	0	0	80- 90	3.616	17496	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0104	17496	100,100
110	0	0	0	0	0	0	0	0	100-110	0	17496	100,100
120	0	0	0	0	0	0	0	0	110-120	0	17496	100,100
130	0	0	0	0	0	0	0	0	120-130	0	17496	100,100
140	0	0	0	0	0	0	0	0	130-140	0	17496	100,100
150	0	0	0	0	0	0	0	0	140-150	0	17496	100,100
160	0	0	0	0	0	0	0	0	150-160	0	17496	100,100
170	0	0	0	0	0	0	0	0	160-170	0	17496	100,100
180	0	0	0	0	0	0	0	0	170-180	0	17496	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 15132 lm

%lum = 86.5%

%lamp = 86.5%

Conical surface Flux(120deg): 17392 lm

%lum = 99.4%

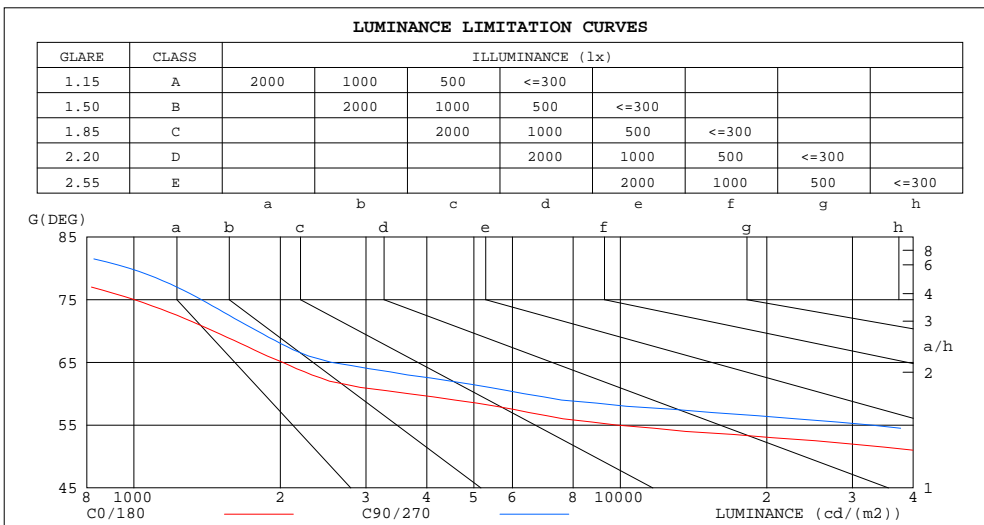
%lamp = 99.4%

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:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm		
NAME: ECOHB120LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	668
80	660	977
75	1002	1376
70	1455	1793
65	2021	2544
60	3667	6331
55	9812	32753
50	49774	75745
45	92996	112387

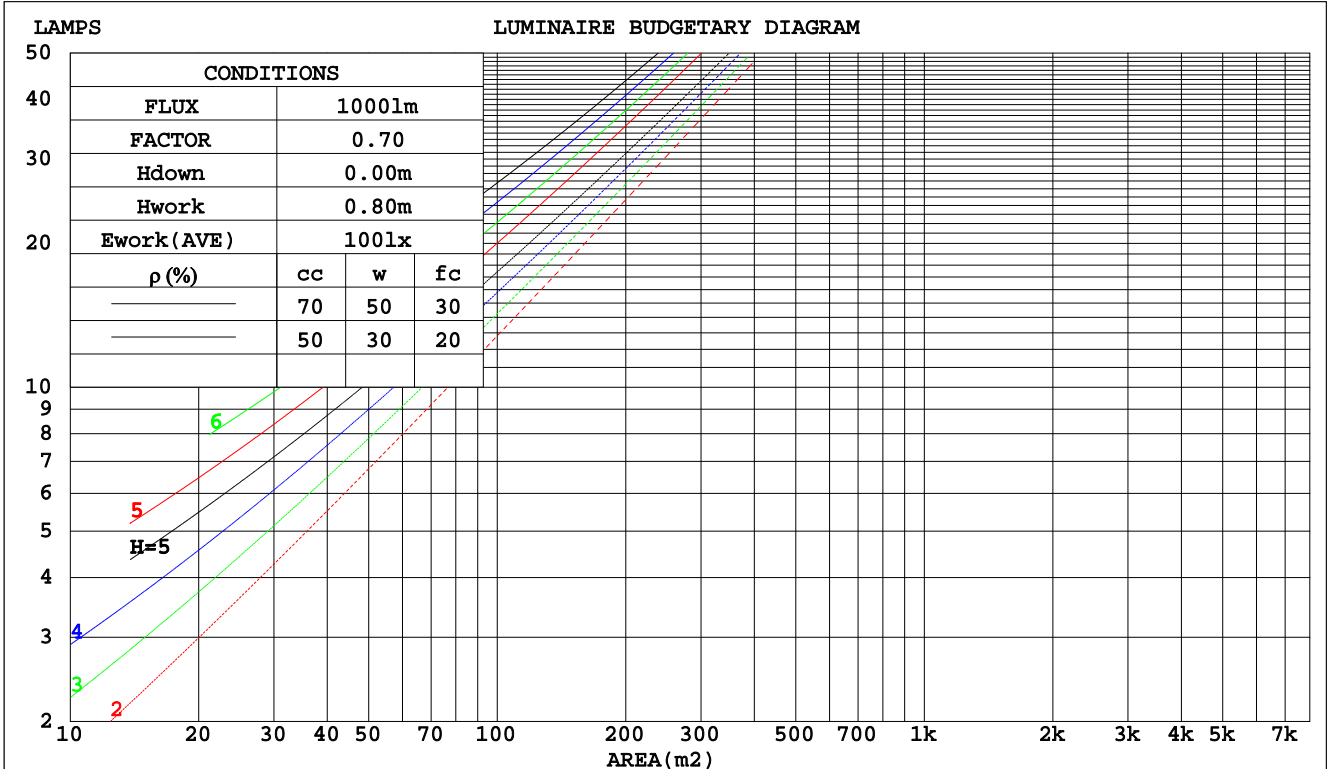
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm		
NAME: ECOHB120LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	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:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm		
NAME: ECOHB120LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	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	.206	.117	.037	.199	.114	.036	.187	.107	.034	.175	.101	.032	.164	.095	.031	
2.0	.202	.111	.034	.196	.108	.033	.185	.103	.032	.175	.098	.031	.166	.094	.030	
3.0	.194	.103	.031	.189	.101	.031	.180	.097	.030	.171	.094	.029	.163	.090	.028	
4.0	.186	.097	.028	.182	.095	.028	.173	.092	.027	.166	.089	.027	.159	.086	.026	
5.0	.178	.091	.026	.174	.089	.026	.166	.087	.026	.160	.084	.025	.153	.082	.025	
6.0	.169	.085	.024	.166	.084	.024	.160	.082	.024	.153	.080	.023	.148	.078	.023	
7.0	.162	.080	.023	.159	.079	.023	.153	.077	.022	.147	.076	.022	.142	.074	.022	
8.0	.154	.075	.021	.151	.075	.021	.146	.073	.021	.141	.072	.021	.137	.070	.020	
9.0	.147	.071	.020	.145	.070	.020	.140	.069	.020	.135	.068	.019	.131	.067	.019	
10.0	.140	.067	.019	.138	.067	.019	.134	.066	.018	.130	.065	.018	.126	.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	.038	.017	.015	.013	
3.0	.150	.114	.085	.129	.098	.074	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.041	.048	.035	.025	.016	.011	.008	
5.0	.134	.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	.073	.038	.104	.063	.033	.072	.044	.024	.042	.026	.014	.014	.009	.005	
8.0	.116	.067	.033	.100	.058	.029	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.096	.054	.025	.066	.038	.018	.039	.022	.010	.012	.007	.003	
10.0	.106	.057	.025	.092	.050	.022	.064	.035	.015	.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:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm										
NAME: ECOHB120LSE5G7 with AL Relfector					TYPE:Highbay			WEIGHT:		
SPEC.:DIP100W					DIM.: D290			SERIAL No.:		
MFR.: Eastfield					SUR.:D238			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	24.2	25.3	24.4	25.5	25.7	24.8	26.0	25.1	26.2	26.4
3H	24.0	25.0	24.3	25.3	25.5	24.7	25.7	24.9	25.9	26.2
4H	23.9	24.9	24.2	25.1	25.4	24.6	25.6	24.9	25.8	26.0
6H	23.8	24.7	24.1	25.0	25.2	24.5	25.4	24.8	25.7	25.9
8H	23.7	24.6	24.1	24.9	25.2	24.4	25.3	24.7	25.6	25.9
12H	23.7	24.6	24.0	24.8	25.1	24.4	25.2	24.7	25.5	25.8
4H 2H	23.9	24.9	24.2	25.1	25.4	24.6	25.6	24.9	25.8	26.0
3H	23.7	24.6	24.1	24.9	25.1	24.4	25.2	24.7	25.5	25.8
4H	23.6	24.4	24.0	24.7	25.0	24.3	25.1	24.7	25.4	25.7
6H	23.5	24.2	23.9	24.5	24.9	24.2	24.9	24.6	25.2	25.6
8H	23.5	24.1	23.9	24.5	24.8	24.2	24.8	24.6	25.1	25.5
12H	23.4	24.0	23.9	24.4	24.8	24.1	24.7	24.5	25.1	25.4
8H 4H	23.5	24.1	23.9	24.5	24.8	24.2	24.8	24.6	25.1	25.5
6H	23.4	23.9	23.8	24.3	24.7	24.1	24.6	24.5	25.0	25.4
8H	23.3	23.8	23.8	24.2	24.7	24.0	24.5	24.5	24.9	25.3
12H	23.3	23.7	23.8	24.1	24.6	24.0	24.4	24.4	24.8	25.3
12H 4H	23.4	24.0	23.9	24.4	24.8	24.1	24.7	24.5	25.1	25.4
6H	23.3	23.8	23.8	24.2	24.7	24.0	24.5	24.5	24.9	25.3
8H	23.3	23.7	23.8	24.1	24.6	24.0	24.4	24.4	24.8	25.3
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / -15.2					+ 2.8 / -13.2				
1.5H	+ 3.7 / -11.2					+ 3.5 / - 9.6				
2.0H	+ 6.4 / -15.9					+ 5.9 / -17.0				

CIE Pub.117, 17497 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.9$)
Area: 0.0444 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:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm		
NAME: ECOHB120LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

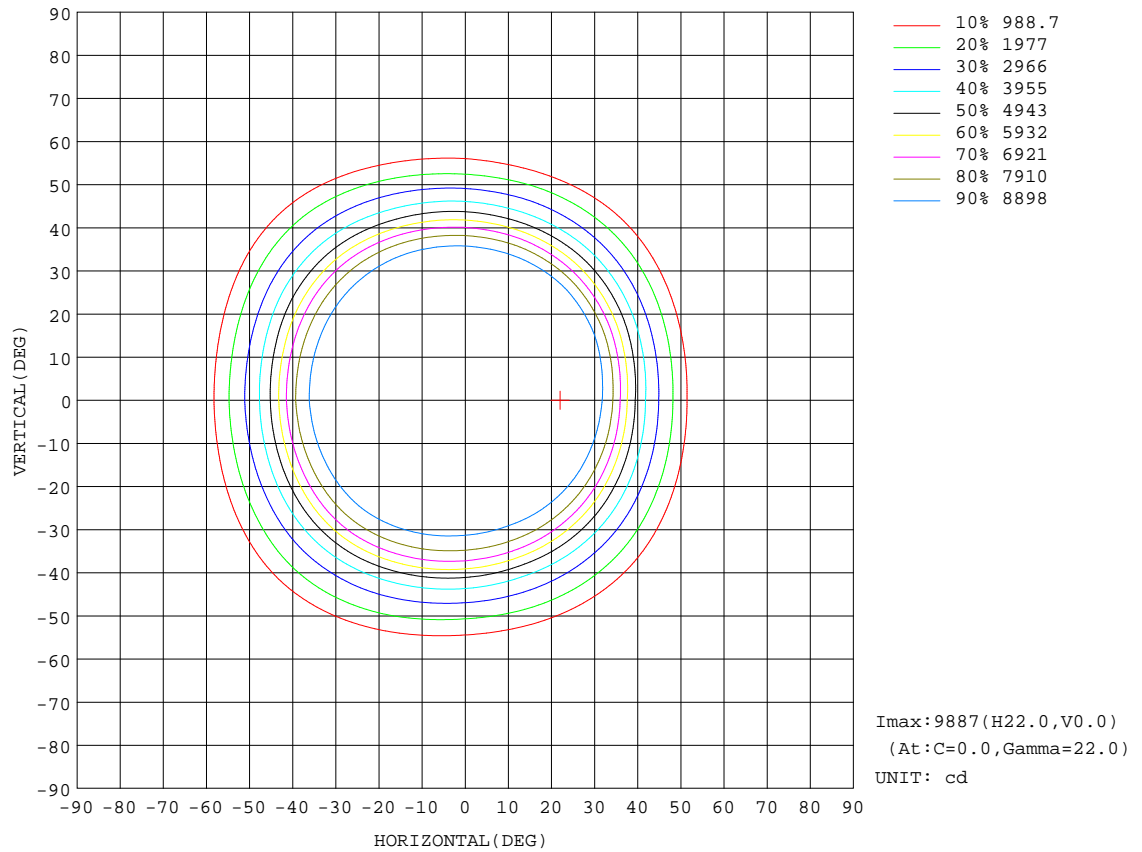
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	76	68	63	75	67	62	74	67	62	58
0.80	85	77	72	85	77	72	83	76	72	67
1.00	92	85	80	91	85	80	90	85	80	75
1.25	98	91	87	97	91	86	94	89	86	81
1.50	101	95	91	100	95	91	98	93	89	84
2.00	106	100	97	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	103	99	96	90
3.00	110	105	102	108	104	101	104	101	99	92
4.00	112	108	106	110	107	104	106	104	102	94
5.00	113	110	108	111	108	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:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm		
NAME: ECOHB120LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



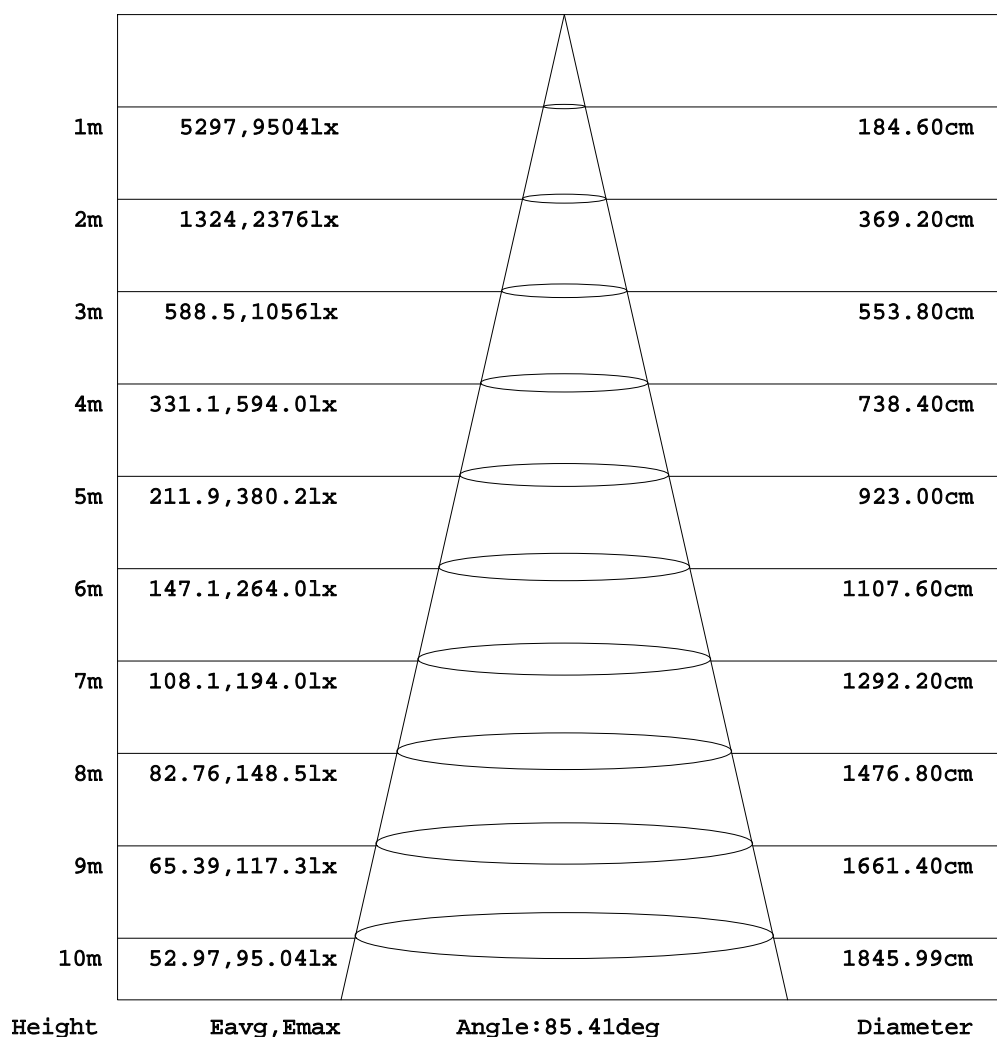
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm		
NAME: ECOHB120LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

Flux out:14470 lm



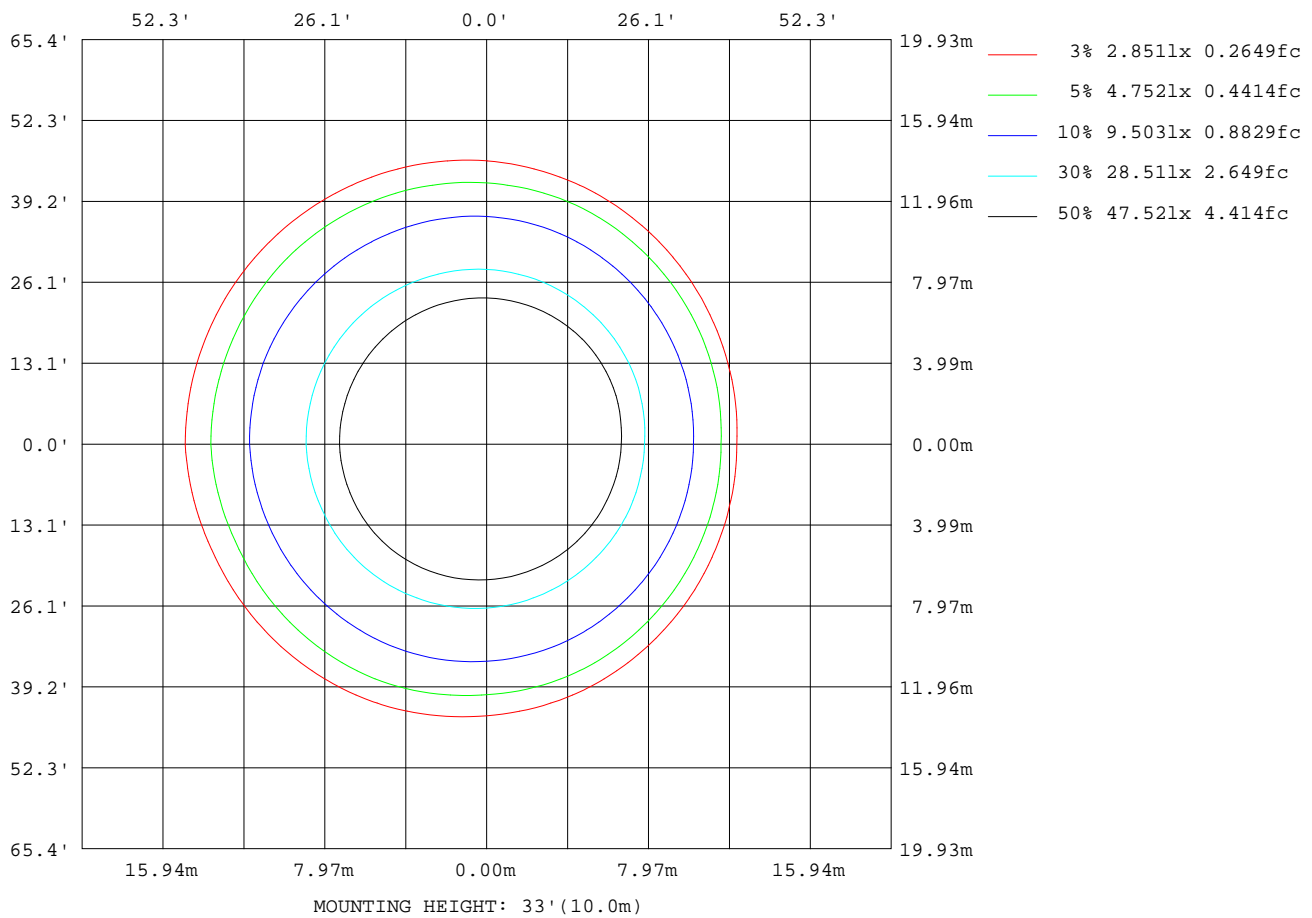
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm		
NAME: ECOHB120LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	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:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm		
NAME: ECOHB120LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

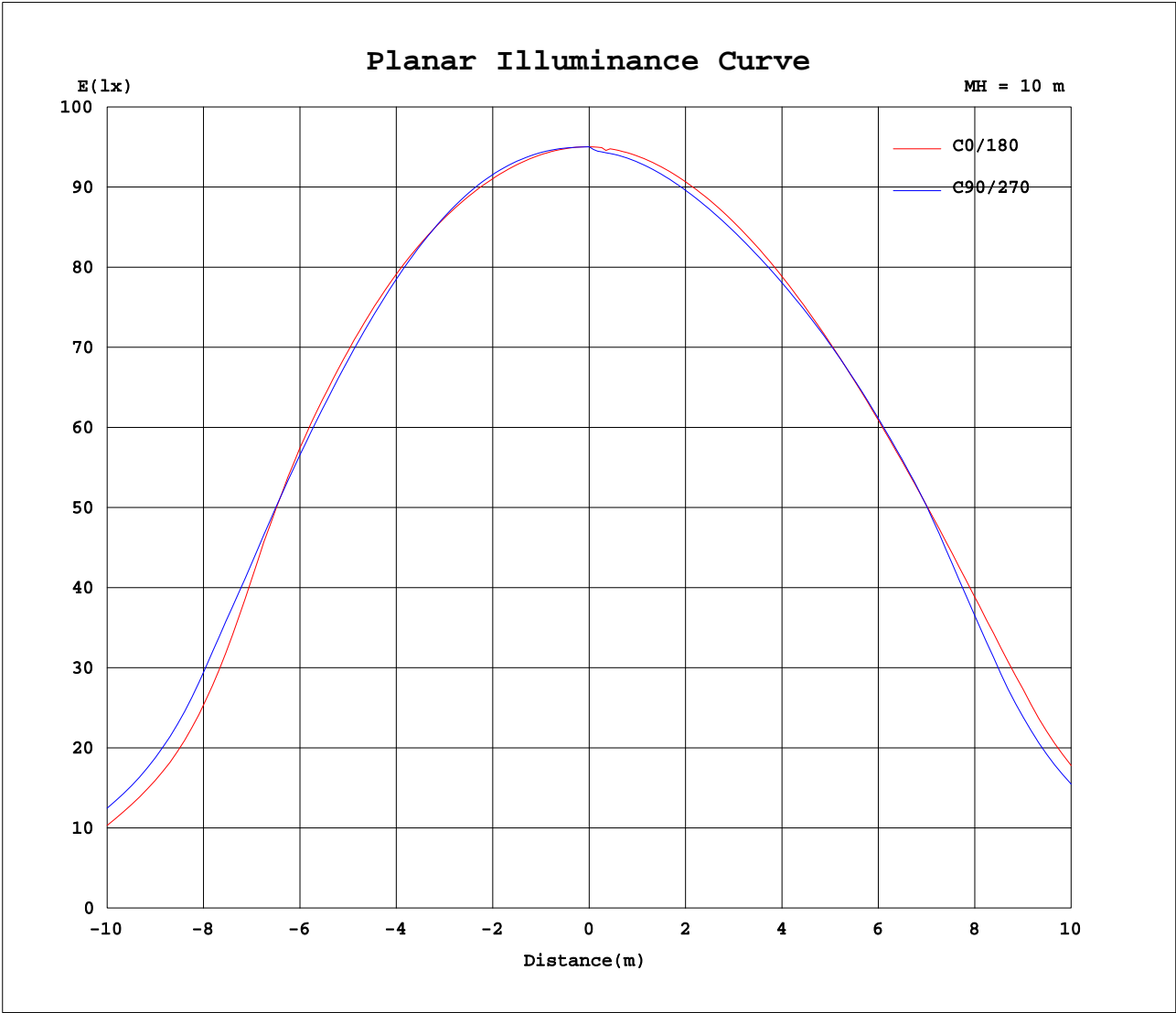
AvgL	cd/m2
L_0~180(65)av	4504
L_0~180(75)av	1829
L_0~180(85)av	947
L_90~270(65)av	2652
L_90~270(75)av	1218
L_90~270(85)av	471
L_45(65)av	3516
L_45(75)av	1475
L_45(85)av	625

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:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm		
NAME: ECOHB120LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	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	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503
5	9537	9540	9544	9547	9550	9552	9554	9557	9558	9559	9561	9562	9562	9563	9563	9563	9562	9561	9560
10	9627	9634	9641	9647	9654	9659	9664	9669	9672	9676	9679	9682	9683	9684	9685	9686	9685	9681	9678
15	9758	9766	9773	9780	9786	9792	9795	9798	9800	9803	9804	9805	9805	9805	9806	9805	9802	9799	9796
20	9874	9874	9873	9874	9874	9873	9869	9863	9859	9855	9851	9847	9842	9839	9836	9835	9835	9834	9835
25	9819	9800	9783	9768	9755	9741	9724	9708	9692	9678	9667	9658	9651	9645	9641	9646	9658	9668	9680
30	9311	9259	9215	9175	9143	9109	9086	9063	9044	9028	9020	9018	9018	9019	9024	9047	9079	9109	9143
35	7472	7416	7376	7344	7315	7302	7291	7291	7297	7305	7341	7390	7440	7492	7546	7614	7685	7756	7830
40	4659	4652	4642	4637	4643	4649	4658	4674	4696	4722	4762	4810	4863	4921	4995	5100	5219	5343	5459
45	2920	2907	2897	2891	2893	2900	2917	2938	2961	2987	3031	3080	3132	3183	3239	3305	3376	3453	3528
50	1421	1423	1431	1444	1459	1485	1522	1562	1605	1650	1705	1762	1823	1884	1944	1998	2051	2106	2162
55	250	268	281	296	314	328	339	352	370	391	423	462	503	549	600	654	711	772	834
60	81.4	82.3	83.0	83.9	84.6	86.6	89.2	92.1	95.3	98.8	102	107	111	115	120	125	130	136	141
65	37.9	38.2	38.5	38.9	39.4	39.7	39.9	40.2	40.6	41.0	41.2	41.6	42.0	42.4	43.1	44.1	45.2	46.4	47.7
70	22.1	22.3	22.6	22.9	23.2	23.5	23.7	23.9	24.1	24.4	24.6	24.8	25.0	25.2	25.5	25.9	26.4	26.8	27.2
75	11.5	11.7	11.9	12.1	12.3	12.5	12.7	12.8	13.0	13.3	13.5	13.7	13.9	14.1	14.4	14.7	15.1	15.5	15.8
80	5.09	5.20	5.32	5.45	5.60	5.71	5.76	5.81	5.87	5.93	5.92	5.93	5.95	6.01	6.21	6.53	6.87	7.21	7.53
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.15	0.41	0.63	1.09	1.71	2.21	2.53	2.62
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:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm																			
NAME: ECOHB120LSE5G7 with AL Relfector										TYPE:Highbay					WEIGHT:				
SPEC.:DIP100W										DIM.: D290					SERIAL No.:				
MFR.: Eastfield										SUR.:D238					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	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503
5	9557	9554	9551	9547	9544	9540	9536	9533	9528	9522	9516	9510	9505	9501	9500	9504	9513	9523	9516
10	9674	9670	9666	9661	9656	9652	9646	9637	9629	9621	9613	9605	9597	9590	9588	9588	9590	9592	9582
15	9793	9790	9788	9785	9783	9779	9773	9766	9759	9751	9743	9734	9726	9718	9713	9709	9705	9702	9688
20	9835	9839	9846	9851	9857	9860	9861	9862	9862	9860	9855	9850	9844	9839	9834	9829	9825	9821	9806
25	9694	9713	9736	9757	9778	9796	9812	9827	9841	9850	9855	9857	9859	9861	9864	9867	9870	9873	9862
30	9181	9229	9277	9325	9371	9417	9461	9504	9544	9573	9595	9615	9632	9651	9671	9691	9710	9730	9729
35	7915	8015	8113	8210	8303	8399	8494	8581	8665	8734	8791	8844	8893	8942	8998	9048	9095	9144	9156
40	5597	5733	5871	6012	6156	6312	6468	6618	6758	6873	6975	7069	7152	7242	7352	7447	7534	7626	7640
45	3608	3684	3760	3836	3917	4006	4097	4188	4276	4367	4456	4542	4624	4710	4795	4883	4966	5033	5085
50	2233	2310	2387	2462	2528	2579	2627	2674	2720	2777	2836	2893	2947	3009	3084	3155	3222	3285	3293
55	909	986	1064	1141	1213	1276	1336	1394	1449	1501	1549	1593	1632	1681	1746	1807	1863	1916	1912
60	149	157	166	175	191	206	227	244	263	290	320	350	373	408	443	477	508	531	539
65	51.0	54.3	57.6	61.0	65.3	70.4	75.6	81.0	86.5	91.6	96.6	101	106	111	117	122	127	131	130
70	28.3	29.5	30.6	31.8	33.3	35.1	36.9	38.7	40.6	42.2	43.7	45.3	46.8	48.0	48.9	49.7	50.3	50.8	49.6
75	16.5	17.2	18.0	18.7	19.7	20.9	22.1	23.3	24.6	25.6	26.6	27.5	28.4	29.1	29.5	30.0	30.3	30.5	29.5
80	8.05	8.58	9.11	9.64	10.3	11.0	11.7	12.5	13.2	13.8	14.4	15.1	15.7	16.1	16.4	16.6	16.8	17.0	16.3
85	2.58	2.65	2.78	2.97	3.29	3.70	4.12	4.55	4.97	5.34	5.69	6.03	6.37	6.64	6.87	7.03	7.18	7.33	6.99
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.05	0.12	0.16	0.29	0.57	0.91	1.27	1.65	1.62
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:240.82V I:0.4281A P:100.52W PF:0.9750 Freq:49.99Hz Lamp Flux:17496.6x1 lm																		
NAME: ECOHB120LSE5G7 with AL Relfector									TYPE:Highbay					WEIGHT:				
SPEC.:DIP100W									DIM.: D290					SERIAL No.:				
MFR.: Eastfield									SUR.:D238					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	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503	9503
5	9510	9503	9497	9490	9484	9480	9476	9472	9468	9464	9460	9457	9455	9454	9453	9452	9452	9451	9450
10	9572	9562	9553	9544	9535	9527	9520	9515	9510	9505	9500	9496	9492	9488	9486	9486	9486	9487	9488
15	9674	9661	9648	9637	9626	9616	9607	9600	9595	9589	9584	9580	9577	9574	9571	9571	9572	9575	9577
20	9791	9777	9764	9754	9744	9735	9728	9722	9718	9715	9713	9710	9708	9705	9702	9702	9703	9706	9708
25	9852	9843	9834	9829	9827	9824	9823	9822	9823	9825	9828	9829	9827	9826	9825	9825	9824	9821	9819
30	9729	9728	9729	9732	9738	9743	9748	9754	9760	9765	9771	9776	9774	9771	9769	9765	9756	9739	9725
35	9171	9183	9189	9200	9208	9215	9220	9223	9225	9228	9225	9220	9209	9192	9177	9154	9130	9073	9029
40	7659	7671	7669	7668	7666	7652	7631	7602	7557	7503	7442	7374	7300	7220	7137	7049	6959	6832	6715
45	5121	5151	5180	5170	5138	5100	5054	4999	4927	4850	4771	4692	4628	4571	4514	4455	4376	4280	4179
50	3298	3297	3293	3277	3253	3225	3193	3157	3113	3067	3020	2971	2922	2869	2813	2754	2688	2617	2547
55	1905	1894	1878	1860	1840	1813	1783	1747	1702	1655	1607	1556	1502	1447	1391	1335	1276	1189	1101
60	536	531	522	506	489	467	442	417	386	359	329	305	284	267	248	231	201	188	174
65	129	127	124	121	116	111	106	100	94.9	89.5	84.1	78.5	72.8	67.3	62.1	56.8	51.8	48.7	45.8
70	48.2	46.7	45.1	43.0	40.8	38.4	36.1	33.8	32.0	30.3	28.6	27.0	25.7	24.8	23.9	22.9	22.0	21.7	21.3
75	28.5	27.4	26.2	24.9	23.5	22.0	20.5	19.1	18.1	17.1	16.1	15.2	14.4	13.9	13.3	12.7	12.2	11.9	11.7
80	15.6	14.9	14.1	13.3	12.5	11.6	10.8	9.95	9.38	8.81	8.25	7.70	7.24	6.84	6.44	6.05	5.67	5.46	5.24
85	6.64	6.26	5.86	5.44	5.00	4.56	4.11	3.67	3.35	3.04	2.72	2.41	2.12	1.85	1.58	1.31	1.06	1.11	1.10
90	1.57	1.48	1.37	1.17	0.90	0.65	0.42	0.23	0.13	0.06	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:

```

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:

```