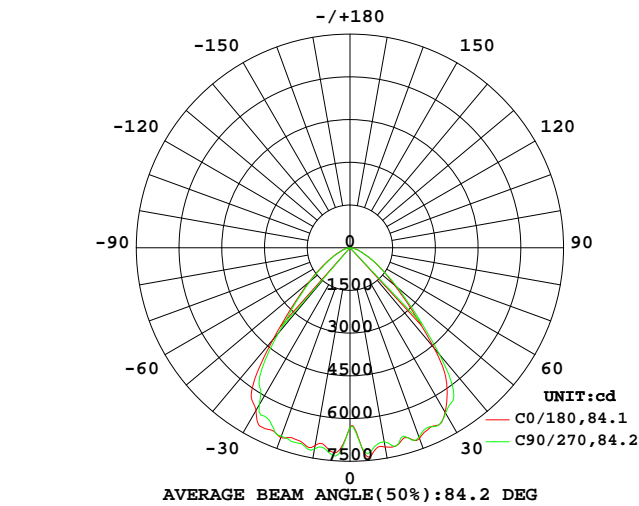


LUMINAIRE PHOTOMETRIC TEST REPORT

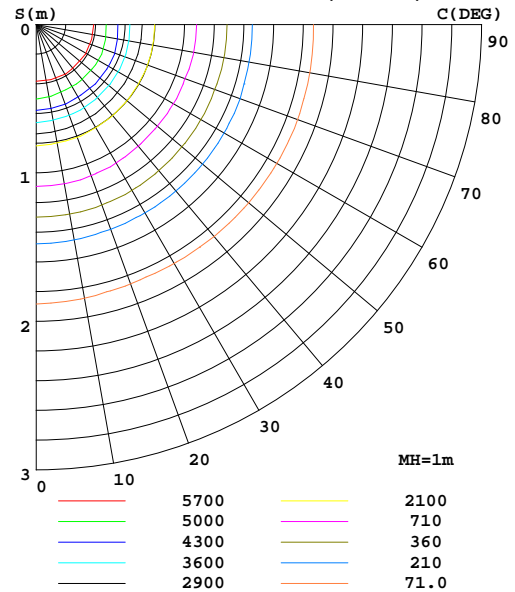
Test:U:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm		
NAME: ECOHB120LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.13 lm/W			
MODEL	1	Imax(cd)	7377	S/MH(C0/180)	1.28
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	13844	η UP,DN(C0-180)	0.0,48.3
NOMINAL FLUX(lm)	13844.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.7
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	7049	7131	7168	7152	7103	7008	6924	6905	0- 10	673.3	673.3	4.86,4.86
20	7095	7063	7035	7076	7129	7142	7074	7023	10- 20	2001	2675	19.3,19.3
30	6605	6412	6372	6476	6675	6721	6704	6785	20- 30	3188	5863	42.3,42.3
40	4212	3868	3910	4258	4594	4811	4874	4799	30- 40	3604	9466	68.4,68.4
50	1878	1790	1828	1873	2053	2118	2187	2036	40- 50	2298	11764	85,85
60	824.4	795.5	798.1	843.9	968.1	990.8	982.6	891.8	50- 60	1219	12984	93.8,93.8
70	335.2	343.0	323.3	347.6	398.1	406.0	387.6	355.3	60- 70	573.0	13557	97.9,97.9
80	69.96	74.63	81.53	98.38	119.6	120.0	102.9	87.86	70- 80	240.1	13797	99.7,99.7
90	5.836	5.556	3.706	4.898	5.432	5.406	3.913	5.020	80- 90	37.96	13835	99.9,99.9
100	9.706	9.843	10.35	8.318	7.938	8.782	10.96	10.25	90-100	9.024	13844	100,100
110	0	0	0	0	0	0	0	0	100-110	0.5829	13844	100,100
120	0	0	0	0	0	0	0	0	110-120	0	13844	100,100
130	0	0	0	0	0	0	0	0	120-130	0	13844	100,100
140	0	0	0	0	0	0	0	0	130-140	0	13844	100,100
150	0	0	0	0	0	0	0	0	140-150	0	13844	100,100
160	0	0	0	0	0	0	0	0	150-160	0	13844	100,100
170	0	0	0	0	0	0	0	0	160-170	0	13844	100,100
180	0	0	0	0	0	0	0	0	170-180	0	13844	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 10799 lm

%lum = 78.0%

%lamp = 78.0%

Conical surface Flux(120deg): 12984 lm

%lum = 93.8%

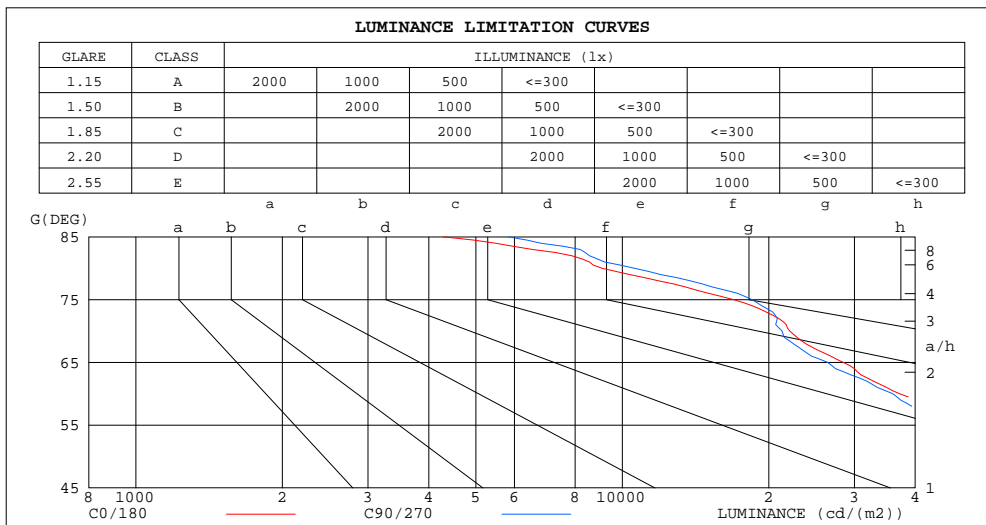
%lamp = 93.8%

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:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm		
NAME: ECOHB120LSE5G7 with wireguard	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	4280	5821
80	9074	10574
75	16909	18469
70	22073	21287
65	28422	26417
60	37134	35952
55	49976	45639
50	65787	64047
45	88117	84463

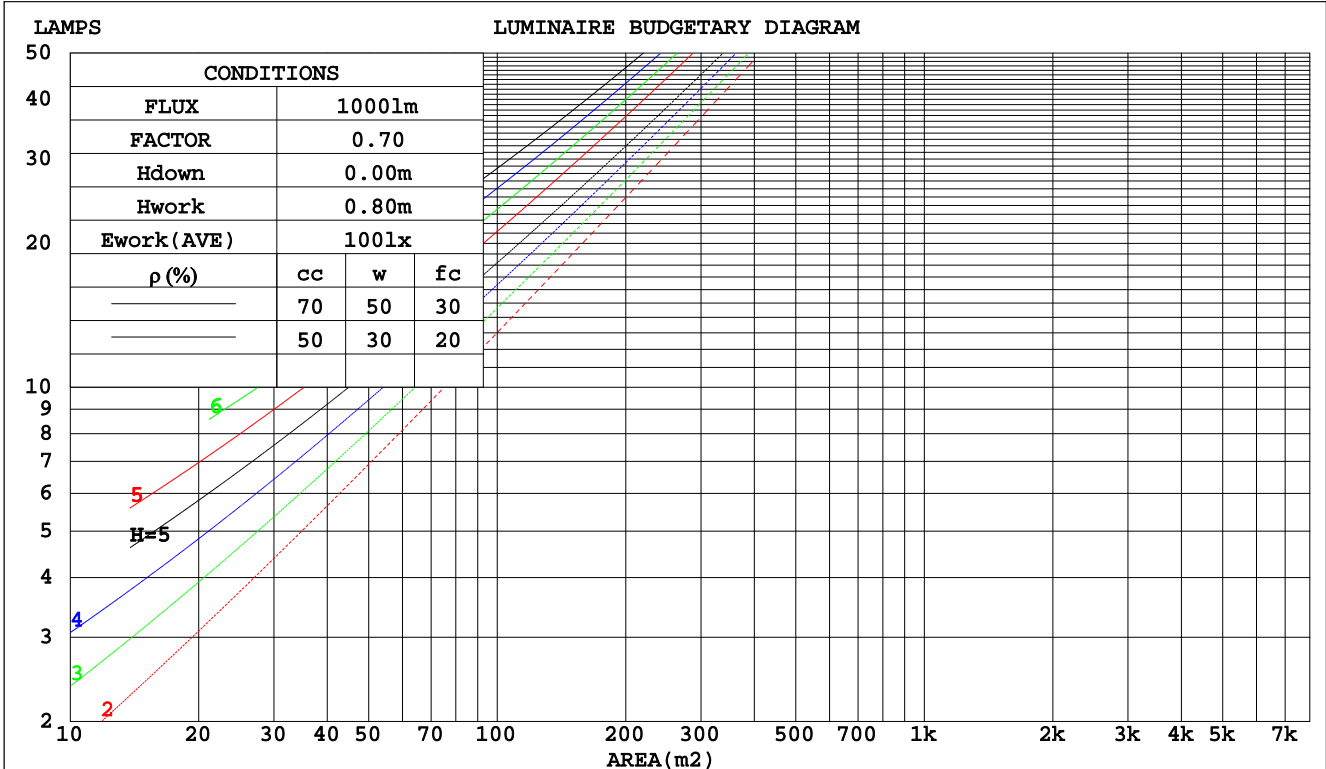
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm		
NAME: ECOHB120LSE5G7 with wireguard	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						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	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.90
2.0	.97	.92	.88	.96	.91	.87	.92	.88	.85	.89	.86	.83	.86	.84	.81	.79
3.0	.88	.82	.77	.87	.81	.76	.84	.79	.75	.81	.77	.73	.79	.75	.72	.70
4.0	.80	.73	.67	.79	.72	.67	.76	.71	.66	.74	.69	.65	.72	.68	.64	.63
5.0	.73	.65	.60	.72	.65	.60	.70	.64	.59	.68	.63	.58	.66	.62	.58	.56
6.0	.67	.59	.54	.66	.59	.54	.64	.58	.53	.63	.57	.53	.61	.56	.52	.50
7.0	.61	.54	.48	.61	.53	.48	.59	.53	.48	.58	.52	.48	.57	.51	.47	.46
8.0	.57	.49	.44	.56	.49	.44	.55	.48	.44	.54	.48	.43	.52	.47	.43	.41
9.0	.52	.45	.40	.52	.45	.40	.51	.44	.40	.50	.44	.40	.49	.43	.40	.38
10.0	.49	.42	.37	.48	.41	.37	.47	.41	.37	.46	.41	.36	.45	.40	.36	.35



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:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm								
NAME: ECOHB120LSE5G7 with wireguard				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	.231	.131	.042	.224	.128	.041	.211	.121	.039	.199	.115	.037	.188	.109	.035	
2.0	.224	.123	.038	.218	.120	.037	.207	.115	.036	.197	.110	.035	.187	.106	.033	
3.0	.213	.113	.034	.208	.111	.034	.198	.107	.033	.189	.104	.032	.181	.100	.031	
4.0	.202	.105	.031	.197	.103	.031	.189	.100	.030	.181	.097	.029	.173	.094	.029	
5.0	.191	.097	.028	.187	.096	.028	.179	.093	.027	.172	.091	.027	.166	.089	.027	
6.0	.180	.090	.026	.177	.089	.026	.170	.087	.025	.164	.085	.025	.158	.083	.025	
7.0	.171	.084	.024	.168	.083	.024	.162	.082	.024	.156	.080	.023	.151	.078	.023	
8.0	.162	.079	.022	.159	.078	.022	.154	.077	.022	.149	.075	.022	.144	.074	.021	
9.0	.154	.074	.021	.151	.074	.021	.146	.072	.020	.142	.071	.020	.137	.070	.020	
10.0	.146	.070	.019	.144	.069	.019	.139	.068	.019	.135	.067	.019	.131	.066	.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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.175	.157	.141	.150	.135	.121	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.133	.107	.140	.114	.092	.096	.079	.064	.055	.046	.038	.018	.015	.012	
3.0	.154	.114	.083	.132	.099	.072	.091	.069	.050	.052	.040	.030	.017	.013	.010	
4.0	.146	.100	.066	.125	.087	.057	.086	.061	.040	.050	.035	.024	.016	.012	.008	
5.0	.138	.090	.054	.119	.077	.047	.082	.054	.033	.047	.032	.020	.015	.010	.006	
6.0	.132	.081	.044	.113	.070	.039	.078	.049	.027	.045	.029	.016	.015	.009	.005	
7.0	.125	.074	.038	.108	.064	.033	.074	.045	.023	.043	.026	.014	.014	.009	.005	
8.0	.120	.068	.032	.103	.059	.028	.071	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.114	.063	.028	.099	.055	.025	.068	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.109	.059	.025	.094	.051	.022	.065	.036	.015	.038	.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:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm										
NAME: ECOHB120LSE5G7 with wireguard					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	25.4	26.7	25.7	26.9	27.1	25.2	26.5	25.4	26.6	26.8
3H	25.6	26.8	25.9	27.0	27.2	25.4	26.6	25.7	26.8	27.0
4H	25.7	26.8	26.0	27.0	27.3	25.5	26.6	25.8	26.8	27.1
6H	25.7	26.7	26.0	26.9	27.2	25.5	26.5	25.8	26.8	27.0
8H	25.6	26.6	26.0	26.9	27.1	25.5	26.4	25.8	26.7	27.0
12H	25.6	26.5	25.9	26.8	27.1	25.4	26.4	25.8	26.7	26.9
4H 2H	25.4	26.5	25.7	26.8	27.0	25.2	26.3	25.5	26.6	26.8
3H	25.8	26.7	26.1	27.0	27.3	25.6	26.5	25.9	26.8	27.1
4H	25.9	26.7	26.3	27.1	27.4	25.8	26.6	26.1	26.9	27.2
6H	25.9	26.6	26.3	27.0	27.3	25.8	26.5	26.2	26.9	27.2
8H	25.9	26.6	26.3	26.9	27.3	25.8	26.5	26.2	26.8	27.2
12H	25.8	26.5	26.3	26.8	27.2	25.7	26.4	26.2	26.7	27.1
8H 4H	25.9	26.6	26.3	26.9	27.3	25.7	26.4	26.1	26.8	27.2
6H	25.9	26.5	26.3	26.9	27.3	25.8	26.4	26.2	26.8	27.2
8H	25.9	26.4	26.3	26.8	27.2	25.8	26.3	26.3	26.7	27.2
12H	25.8	26.3	26.3	26.7	27.2	25.8	26.2	26.2	26.6	27.1
12H 4H	25.8	26.5	26.3	26.8	27.2	25.7	26.3	26.1	26.7	27.1
6H	25.9	26.4	26.3	26.8	27.2	25.8	26.3	26.2	26.7	27.1
8H	25.8	26.3	26.3	26.7	27.2	25.8	26.2	26.2	26.6	27.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.3 / - 1.8					+ 1.2 / - 1.7				
1.5H	+ 1.9 / - 1.3					+ 1.6 / - 1.1				
2.0H	+ 2.4 / - 2.3					+ 2.2 / - 2.0				

CIE Pub.117, 13844 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.1$)
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:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm		
NAME: ECOHB120LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

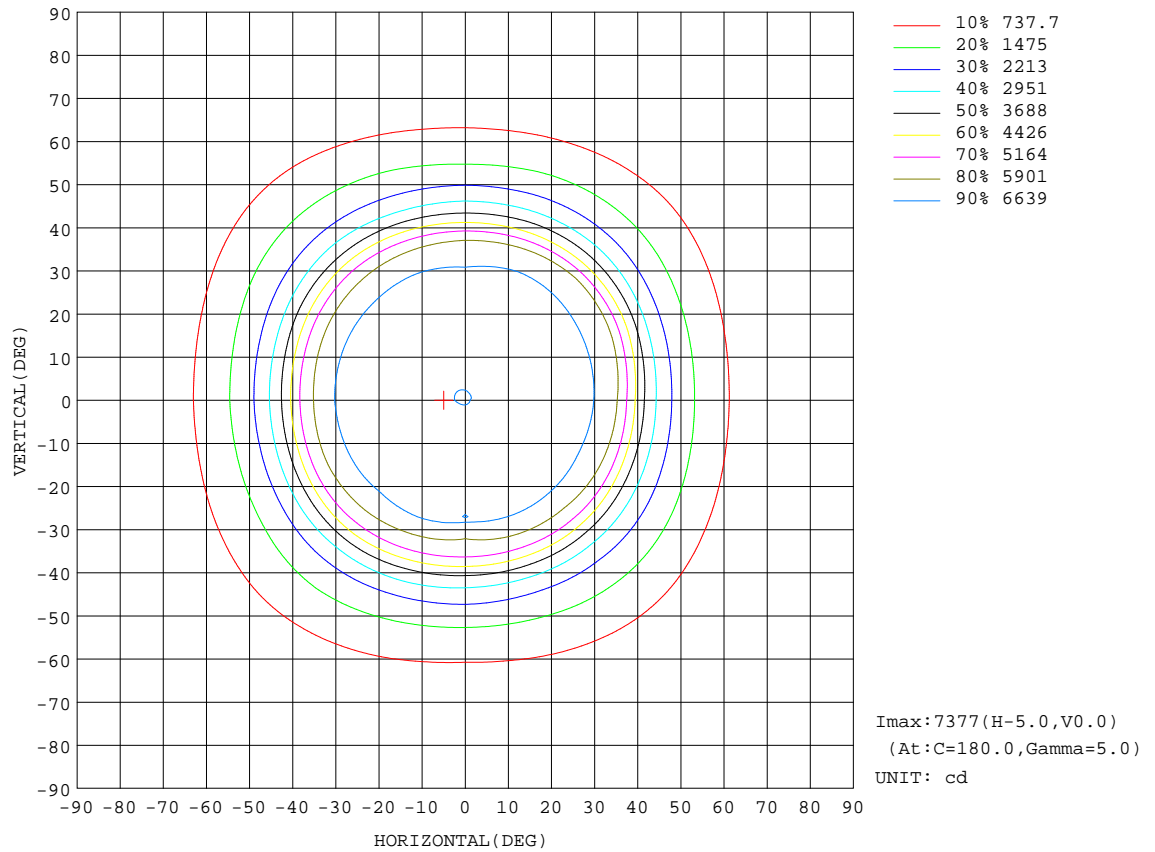
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	62	57	71	62	57	70	62	57	52
0.80	81	72	67	80	72	67	79	71	66	61
1.00	88	80	75	87	80	74	85	80	74	68
1.25	94	87	81	93	86	81	91	85	80	75
1.50	98	91	86	97	90	86	94	89	85	79
2.00	103	97	92	101	96	92	98	94	90	84
2.50	105	100	96	104	99	95	100	96	93	86
3.00	108	103	99	106	102	98	102	99	96	89
4.00	111	107	103	108	105	102	105	102	99	91
5.00	112	109	106	110	107	104	106	103	101	93
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:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm		
NAME: ECOHB120LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

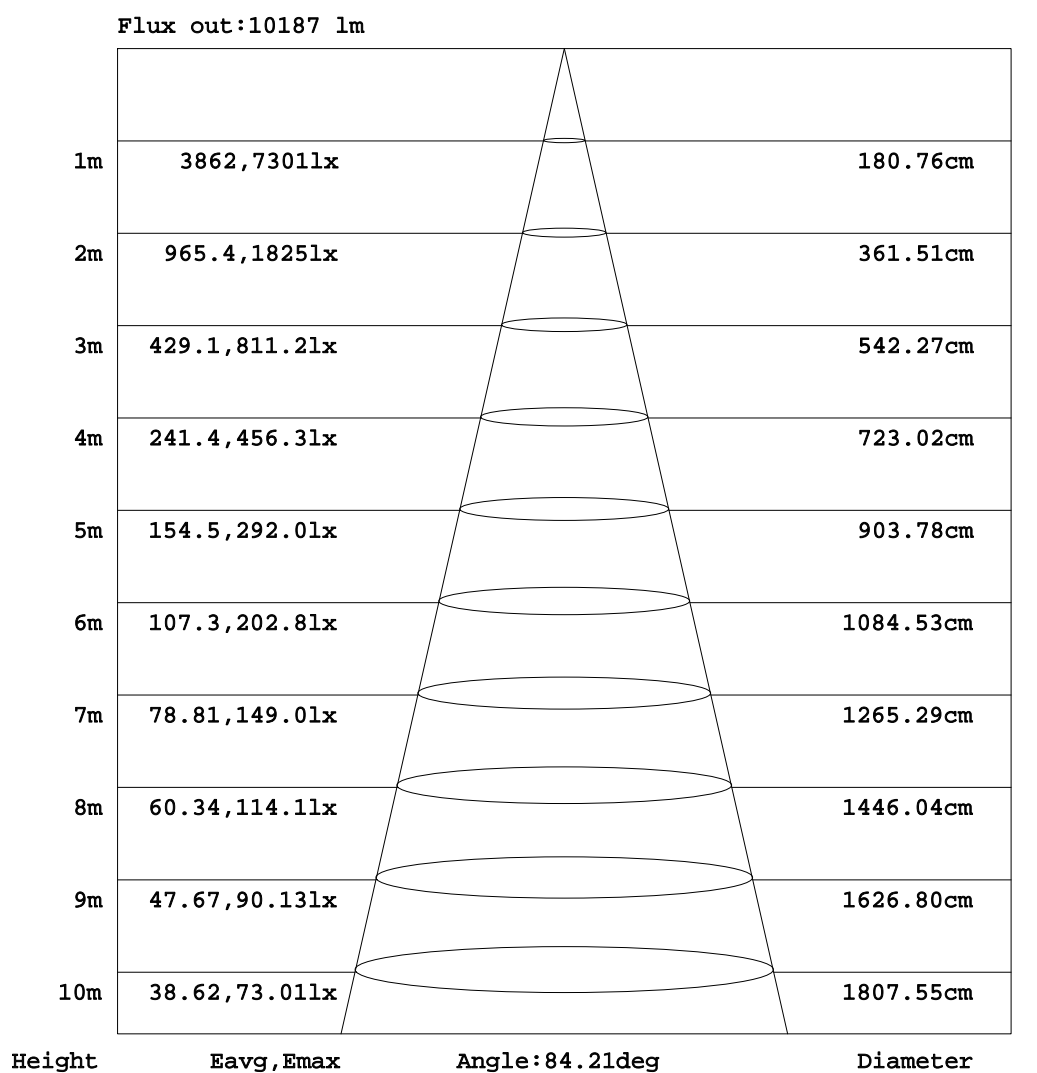


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm		
NAME: ECOHB120LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



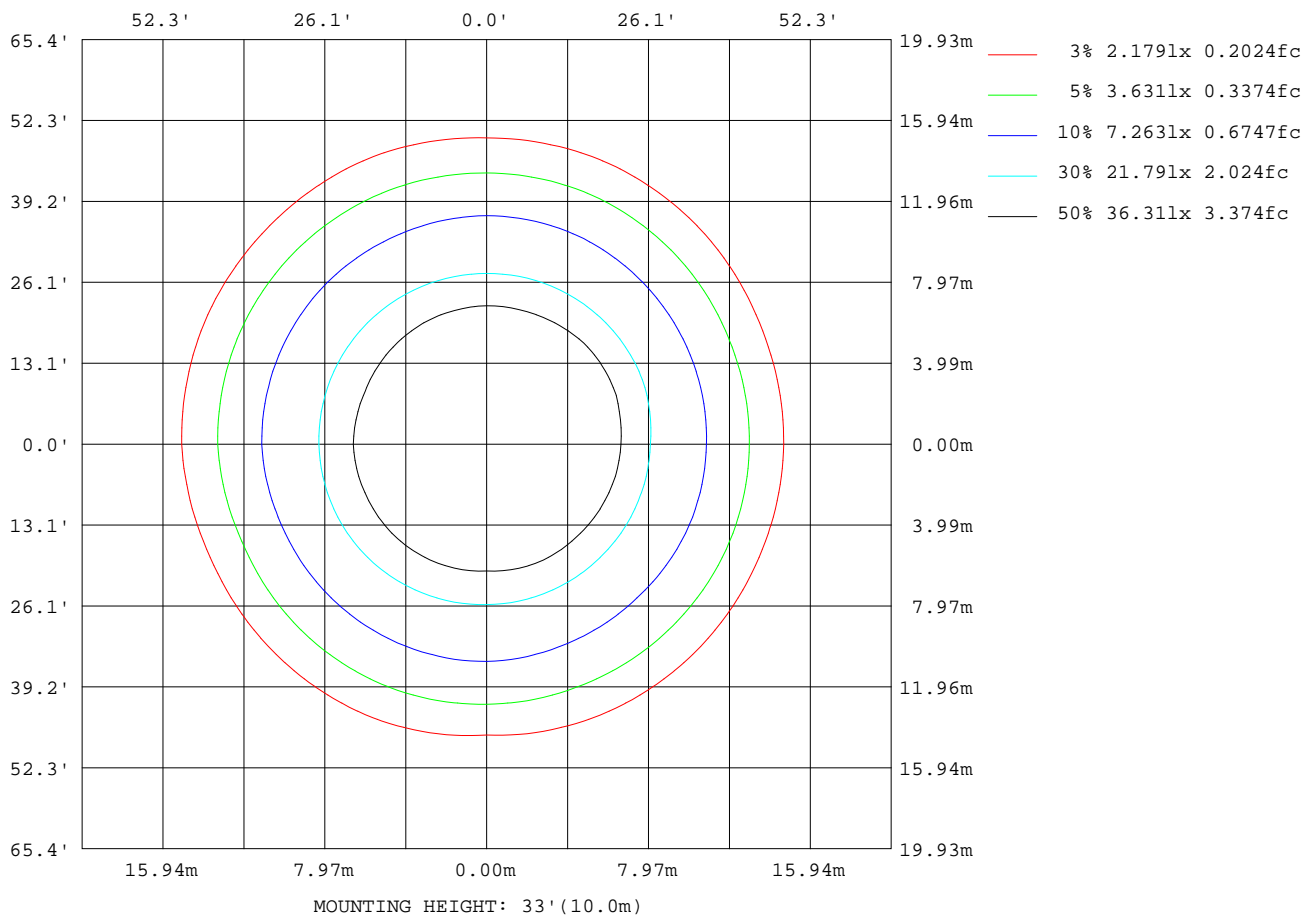
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

ISOLUX DIAGRAM

Test:U:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm		
NAME: ECOHB120LSE5G7 with wireguard	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:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm		
NAME: ECOHB120LSE5G7 with wireguard	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

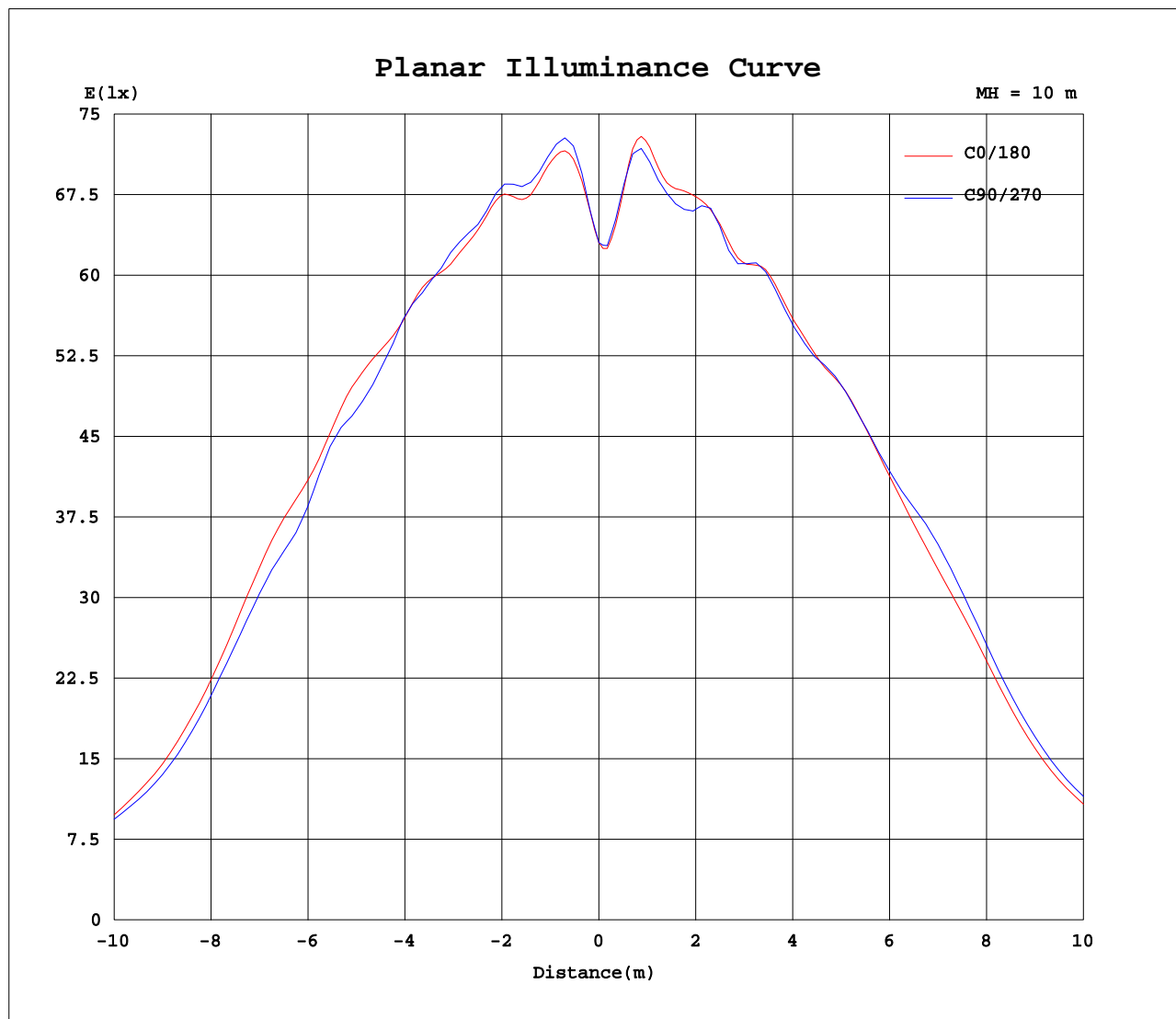
AvgL	cd/m2
L_0~180(65)av	30249
L_0~180(75)av	20040
L_0~180(85)av	7508
L_90~270(65)av	29540
L_90~270(75)av	20265
L_90~270(85)av	7033
L_45(65)av	29428
L_45(75)av	19996
L_45(85)av	7682

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:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm																	
NAME: ECOHB120LSE5G7 with wireguard									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	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305
5	7199	7195	7191	7186	7186	7198	7220	7242	7262	7272	7252	7232	7210	7201	7210	7233	7260	7286	7303
10	7049	7060	7070	7081	7093	7104	7114	7123	7132	7131	7101	7070	7039	7011	7027	7068	7108	7148	7168
15	7005	6993	6983	6967	6958	6964	6982	7004	7026	7046	7050	7052	7052	7054	7060	7068	7080	7089	7098
20	7095	7101	7109	7119	7128	7123	7108	7092	7076	7063	7060	7059	7058	7056	7054	7050	7047	7042	7035
25	7016	6993	6970	6948	6926	6912	6905	6898	6890	6886	6903	6921	6940	6958	6930	6870	6810	6749	6694
30	6605	6571	6533	6496	6455	6435	6429	6424	6417	6412	6418	6426	6434	6442	6437	6420	6404	6383	6372
35	5968	5920	5875	5829	5781	5737	5692	5648	5603	5561	5547	5534	5520	5506	5502	5506	5512	5515	5526
40	4212	4164	4116	4067	4019	3981	3952	3924	3896	3868	3863	3858	3853	3848	3854	3868	3883	3897	3910
45	2766	2749	2728	2708	2688	2662	2632	2602	2570	2541	2538	2535	2532	2528	2542	2569	2597	2624	2652
50	1878	1876	1873	1870	1869	1858	1841	1824	1806	1790	1792	1794	1795	1796	1800	1807	1814	1820	1828
55	1273	1266	1260	1253	1247	1242	1239	1237	1235	1232	1229	1226	1223	1219	1212	1202	1192	1181	1162
60	824	818	810	802	793	790	792	793	794	795	798	800	802	805	805	803	801	798	798
65	533	528	522	517	511	509	510	511	512	512	513	514	515	516	514	509	504	500	496
70	335	336	336	336	336	337	338	340	341	343	343	343	343	343	341	336	332	327	323
75	194	195	195	195	195	197	199	201	203	205	207	209	211	212	213	213	212	212	212
80	70.0	69.0	68.2	67.0	65.8	65.9	68.1	70.7	72.6	74.6	76.2	77.4	78.6	79.8	80.6	80.8	81.1	81.5	81.5
85	16.6	16.4	16.3	16.2	16.0	16.0	16.7	17.1	17.6	18.1	18.9	19.7	20.5	21.3	21.8	22.0	22.2	22.4	22.5
90	5.84	5.88	5.92	5.96	6.01	5.98	5.87	5.76	5.66	5.56	5.37	5.18	5.00	4.82	4.64	4.43	4.20	3.96	3.71
95	9.17	9.15	9.13	9.11	9.12	9.14	9.13	9.13	9.13	9.13	9.18	9.22	9.27	9.33	9.33	9.26	9.20	9.12	8.99
100	9.71	9.56	9.22	9.25	9.34	9.79	9.83	9.42	9.76	9.84	9.56	9.70	9.79	9.74	9.74	9.89	9.68	9.31	10.4
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:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm																		
NAME: ECOHB120LSE5G7 with wireguard									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	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305
5	7303	7300	7298	7299	7303	7300	7302	7300	7307	7310	7319	7324	7336	7336	7342	7354	7367	7377	7365
10	7118	7071	7022	6976	6990	7036	7081	7125	7152	7118	7080	7041	7002	7001	7026	7052	7077	7103	7074
15	7095	7091	7086	7080	7059	7029	7001	6972	6950	6967	6987	7006	7026	7031	7024	7017	7010	7004	7008
20	7029	7020	7011	7002	7008	7026	7044	7061	7076	7075	7074	7073	7070	7077	7089	7100	7115	7129	7132
25	6730	6762	6795	6829	6829	6805	6783	6760	6743	6774	6805	6838	6870	6888	6893	6899	6903	6906	6911
30	6390	6417	6437	6462	6472	6472	6473	6475	6476	6493	6509	6529	6544	6568	6592	6619	6647	6675	6681
35	5529	5540	5549	5560	5581	5611	5642	5672	5704	5741	5780	5818	5859	5882	5896	5907	5920	5933	5950
40	3940	3967	3994	4021	4060	4110	4159	4209	4258	4293	4329	4364	4400	4437	4476	4514	4553	4594	4622
45	2658	2666	2673	2681	2690	2701	2712	2724	2736	2761	2788	2814	2841	2876	2919	2961	3005	3049	3066
50	1837	1847	1857	1867	1872	1872	1872	1872	1873	1878	1884	1889	1896	1916	1949	1984	2018	2053	2062
55	1192	1213	1234	1255	1268	1274	1281	1287	1293	1294	1295	1295	1296	1311	1341	1370	1399	1430	1438
60	806	815	824	833	838	839	841	842	844	850	856	862	868	882	904	925	947	968	969
65	502	508	514	521	523	521	518	515	514	522	529	536	543	553	565	578	590	602	605
70	329	335	342	348	350	349	349	348	348	350	352	354	356	362	371	380	389	398	395
75	216	220	224	229	231	231	232	232	233	235	237	239	241	245	250	255	261	266	265
80	82.9	83.9	85.0	86.1	88.0	90.6	93.2	95.9	98.4	99.5	101	102	103	106	109	113	116	120	119
85	22.6	22.7	22.8	22.9	24.0	25.9	27.8	29.6	31.4	32.4	33.4	34.4	35.5	36.5	37.7	38.9	40.3	41.5	41.0
90	3.70	3.68	3.66	3.63	3.76	4.06	4.35	4.63	4.90	4.94	4.98	5.02	5.05	5.11	5.19	5.27	5.35	5.43	5.43
95	8.89	8.76	8.61	8.46	8.47	8.60	8.71	8.80	8.94	8.89	8.77	8.66	8.68	8.49	8.31	8.15	7.98	7.79	7.86
100	9.19	9.47	9.34	9.03	8.89	8.74	8.49	8.17	8.32	8.20	7.81	8.26	8.24	7.66	7.48	7.40	7.78	7.94	7.79
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:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm																		
NAME: ECOHB120LSE5G7 with wireguard									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	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305
5	7350	7334	7325	7324	7307	7302	7289	7284	7278	7286	7285	7294	7285	7277	7272	7269	7263	7260	7259
10	7045	7017	6987	6974	6983	6992	7000	7008	7011	7013	7014	7015	7011	6991	6971	6947	6924	6931	6949
15	7013	7017	7023	7024	7021	7019	7017	7015	7014	7013	7011	7010	7002	6980	6967	6941	6915	6917	6925
20	7135	7142	7148	7148	7148	7145	7142	7142	7134	7129	7124	7120	7110	7099	7090	7081	7074	7072	7070
25	6914	6916	6917	6918	6919	6920	6922	6923	6941	6961	6981	7001	7005	6987	6969	6951	6934	6946	6963
30	6687	6694	6704	6707	6713	6714	6718	6721	6736	6750	6764	6779	6779	6761	6742	6725	6704	6740	6776
35	5968	5986	6003	6023	6041	6061	6081	6101	6132	6165	6196	6228	6258	6281	6305	6327	6358	6354	6358
40	4651	4682	4711	4736	4755	4773	4792	4811	4823	4833	4844	4856	4863	4865	4868	4872	4874	4878	4880
45	3084	3101	3122	3135	3142	3151	3158	3167	3168	3170	3172	3174	3183	3200	3218	3235	3252	3241	3229
50	2071	2080	2092	2099	2103	2108	2112	2118	2125	2134	2141	2149	2156	2164	2171	2180	2187	2179	2169
55	1447	1457	1467	1472	1473	1475	1476	1478	1482	1486	1490	1494	1490	1478	1465	1452	1438	1443	1446
60	969	970	970	973	978	982	986	991	995	999	1004	1009	1008	1002	996	989	983	976	970
65	606	608	610	612	616	619	623	626	626	627	628	629	628	624	621	616	613	611	609
70	392	389	387	387	392	396	401	406	404	403	401	400	398	396	394	391	388	388	387
75	263	262	260	260	261	262	263	264	263	263	262	262	260	259	257	255	254	249	245
80	119	119	119	119	119	120	120	120	119	118	117	116	114	111	108	106	103	100	97.4
85	40.5	39.9	39.5	39.9	40.5	41.5	42.5	43.3	42.5	41.7	41.0	40.2	39.0	37.3	35.6	33.9	31.9	30.8	29.6
90	5.43	5.43	5.44	5.44	5.43	5.42	5.41	5.41	5.26	5.11	4.95	4.79	4.63	4.46	4.29	4.11	3.91	4.05	4.18
95	7.92	7.98	8.04	8.19	8.28	8.45	8.64	8.79	8.75	8.78	8.82	8.82	8.80	8.70	8.60	8.49	8.35	8.40	8.41
100	7.43	7.51	7.71	8.34	8.45	8.06	8.56	8.78	8.57	8.85	9.06	9.15	9.30	9.68	9.89	9.65	11.0	9.85	10.3
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:240.80V I:0.4269A P:100.23W PF:0.9750 Freq:49.99Hz Lamp Flux:13844.2x1 lm																	
NAME: ECOHB120LSE5G7 with wireguard									TYPE:Highbay						WEIGHT:		
SPEC.:DIP100W									DIM.: D290						SERIAL No.:		
MFR.: Eastfield									SUR.:D238						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	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305	6305				
5	7258	7261	7268	7260	7252	7242	7237	7241	7255	7267	7282	7276	7259	7240	7220				
10	6965	6978	6982	6966	6946	6924	6905	6913	6931	6947	6964	6981	6999	7015	7031				
15	6917	6921	6921	6924	6931	6935	6939	6936	6929	6922	6918	6924	6941	6966	6984				
20	7070	7069	7065	7054	7043	7033	7023	7029	7038	7046	7052	7061	7068	7074	7084				
25	6980	6998	7001	6984	6965	6948	6930	6933	6938	6943	6947	6956	6970	6985	7000				
30	6814	6852	6865	6844	6824	6805	6785	6767	6750	6732	6716	6696	6676	6654	6631				
35	6359	6362	6377	6408	6442	6471	6500	6476	6451	6423	6400	6340	6249	6154	6060				
40	4882	4885	4878	4858	4839	4818	4799	4771	4742	4713	4685	4621	4519	4417	4315				
45	3216	3205	3189	3168	3146	3124	3102	3065	3029	2991	2954	2917	2878	2843	2806				
50	2160	2150	2134	2110	2086	2061	2036	2015	1994	1973	1951	1933	1920	1906	1892				
55	1449	1452	1445	1429	1412	1394	1377	1360	1343	1327	1310	1299	1293	1286	1279				
60	964	958	948	934	920	906	892	881	869	858	846	839	836	833	829				
65	607	604	598	588	578	567	557	553	549	545	541	538	537	536	535				
70	387	386	382	375	369	362	355	351	347	344	340	337	337	337	336				
75	241	236	232	229	225	221	217	215	213	211	209	206	203	200	197				
80	94.5	91.7	89.9	89.5	89.0	88.5	87.9	86.3	84.8	82.9	81.2	79.6	77.4	75.1	72.5				
85	28.2	26.9	26.2	26.2	26.2	26.2	26.1	25.6	25.1	24.5	24.0	22.8	21.3	19.8	18.2				
90	4.30	4.41	4.52	4.65	4.78	4.90	5.02	5.07	5.11	5.15	5.20	5.29	5.43	5.56	5.70				
95	8.40	8.41	8.46	8.52	8.60	8.66	8.69	8.71	8.76	8.82	8.79	8.90	8.95	9.00	9.08				
100	10.5	10.4	10.4	10.4	10.2	10.0	10.3	10.1	9.72	10.1	10.1	9.52	9.37	9.30	9.60				
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: