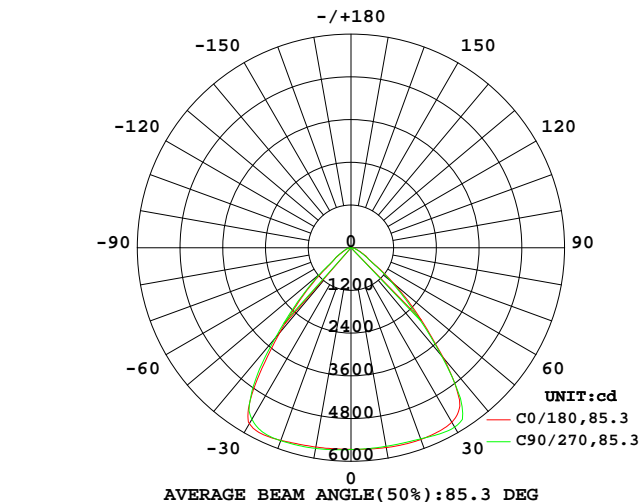


LUMINAIRE PHOTOMETRIC TEST REPORT

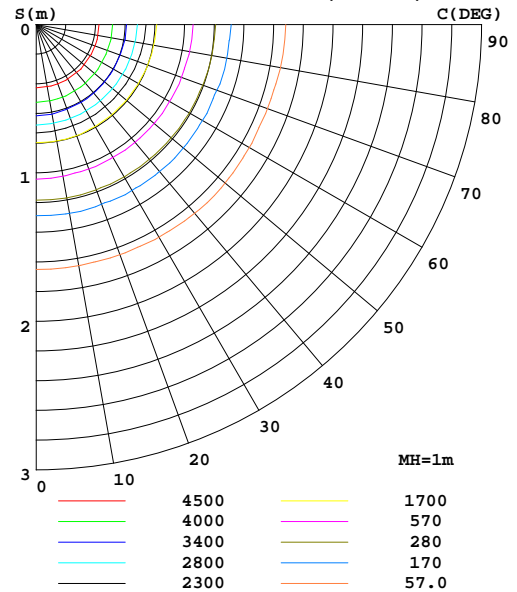
Test:U:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 179.45 lm/W			
MODEL	1	Imax(cd)	5848	S/MH(C0/180)	1.27
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	10773	η UP,DN(C0-180)	0.1,48.5
NOMINAL FLUX(lm)	10772.9	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,51.4
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	5685	5717	5723	5725	5698	5681	5664	5666	0- 10	542.6	542.6	5.04,5.04
20	5759	5777	5767	5765	5731	5717	5713	5730	10- 20	1622	2164	20.1,20.1
30	5706	5559	5565	5643	5659	5708	5822	5841	20- 30	2661	4825	44.8,44.8
40	3124	3041	3315	3705	4030	4088	3946	3581	30- 40	3060	7886	73.2,73.2
50	992.4	1017	1135	1346	1585	1596	1467	1218	40- 50	1777	9663	89.7,89.7
60	353.0	377.6	395.3	426.2	505.9	515.1	456.4	412.5	50- 60	652.0	10315	95.7,95.7
70	164.7	155.4	176.7	188.4	210.9	221.0	190.6	177.3	60- 70	284.4	10599	98.4,98.4
80	33.52	34.03	47.22	74.82	89.44	86.32	59.82	41.07	70- 80	134.1	10733	99.6,99.6
90	11.51	9.445	11.34	11.35	12.83	11.71	13.20	12.19	80- 90	27.64	10761	99.9,99.9
100	5.988	6.194	9.583	9.554	9.405	11.13	11.83	8.087	90-100	11.45	10772	100,100
110	0	0	0	0	0	0	0	0	100-110	0.6146	10773	100,100
120	0	0	0	0	0	0	0	0	110-120	0	10773	100,100
130	0	0	0	0	0	0	0	0	120-130	0	10773	100,100
140	0	0	0	0	0	0	0	0	130-140	0	10773	100,100
150	0	0	0	0	0	0	0	0	140-150	0	10773	100,100
160	0	0	0	0	0	0	0	0	150-160	0	10773	100,100
170	0	0	0	0	0	0	0	0	160-170	0	10773	100,100
180	0	0	0	0	0	0	0	0	170-180	0	10773	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 8954.9 lm

%lum = 83.1%

%lamp = 83.1%

Conical surface Flux(120deg): 10315 lm

%lum = 95.7%

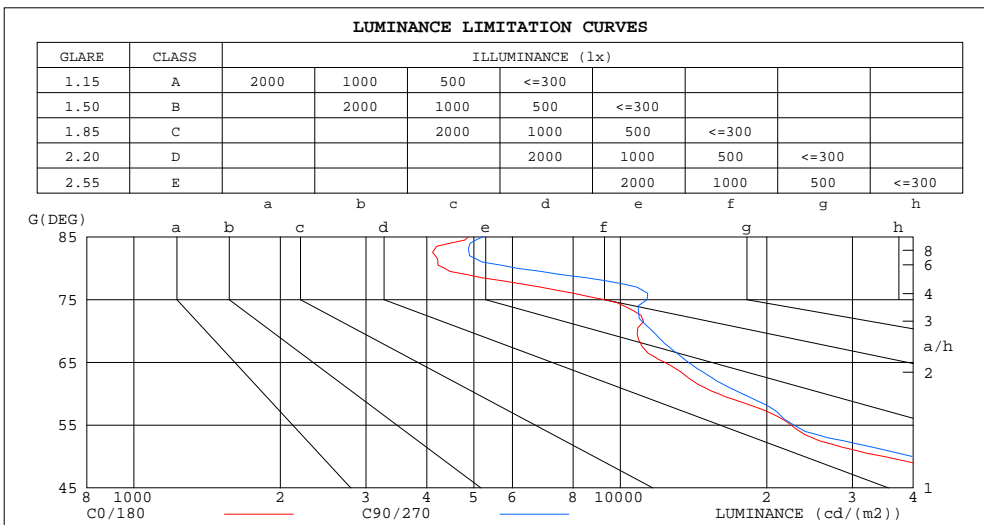
%lamp = 95.7%

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:

LUMINANCE LIMITATION CURVES

Test:U:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



LUMINANCE $\text{cd}/(\text{m}^2)$		
G(DEG)	C0/180	C90/270
85	4870	5212
80	4348	6125
75	9246	11361
70	10843	11639
65	12335	13801
60	15902	17804
55	22452	22744
50	34771	39757
45	60922	64786

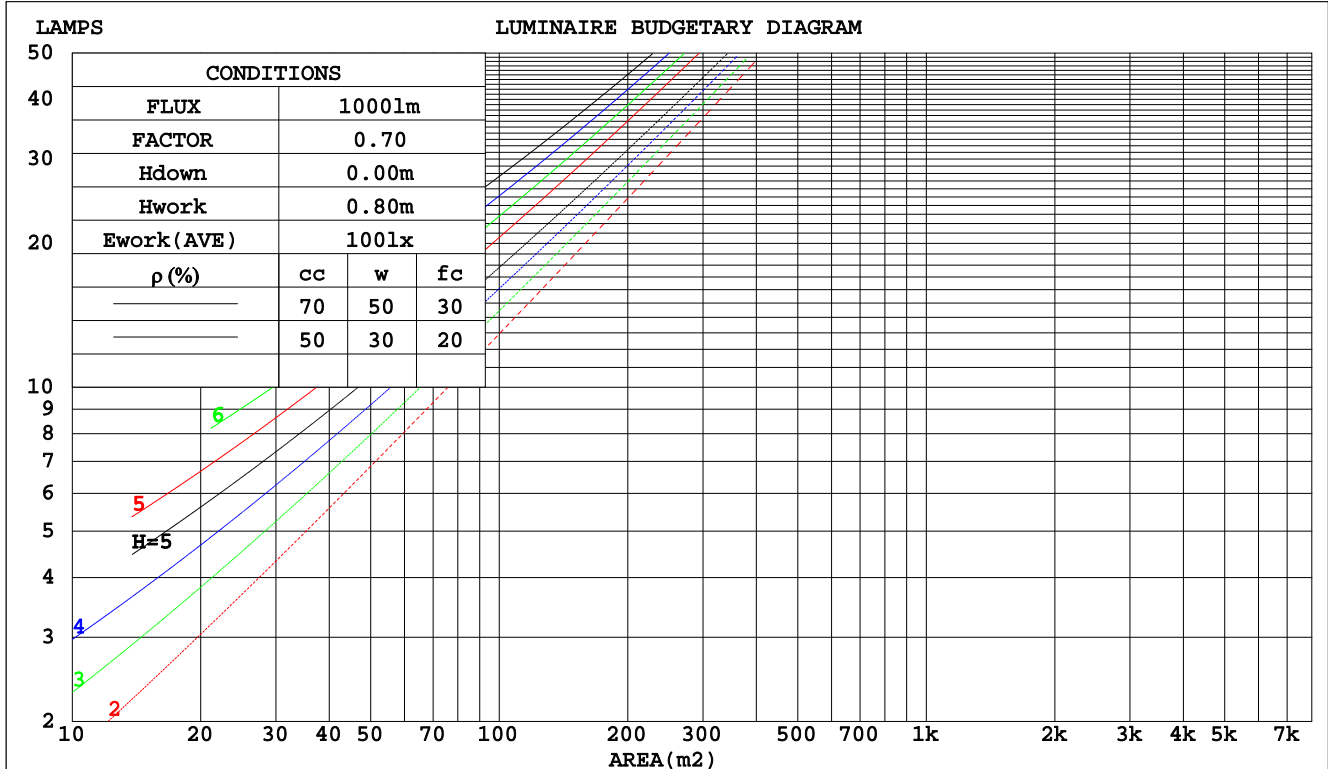
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	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	1.09	1.05	1.03	1.06	1.04	1.01	1.02	.00	.98	.98	.97	.95	.95	.93	.92	.90
2.0	.99	.94	.89	.97	.92	.88	.93	.90	.86	.90	.87	.84	.87	.85	.83	.81
3.0	.90	.83	.78	.88	.82	.78	.85	.81	.76	.83	.79	.75	.80	.77	.74	.72
4.0	.82	.75	.70	.81	.74	.69	.78	.73	.68	.76	.71	.67	.74	.70	.67	.65
5.0	.75	.68	.62	.74	.67	.62	.72	.66	.61	.70	.65	.61	.68	.64	.60	.58
6.0	.69	.61	.56	.68	.61	.56	.66	.60	.55	.65	.59	.55	.63	.58	.54	.53
7.0	.63	.56	.51	.62	.55	.50	.61	.55	.50	.60	.54	.50	.58	.53	.50	.48
8.0	.58	.51	.46	.58	.51	.46	.56	.50	.46	.55	.50	.45	.54	.49	.45	.44
9.0	.54	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.50	.45	.41	.40
10.0	.50	.43	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.47	.42	.38	.37



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

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

WEC AND CCEC

Test:U:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm					
NAME: ECOHB120LSE5G7 with PC Relfector			TYPE:Highbay		WEIGHT:
SPEC.:DIP60W			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	.220	.125	.040	.213	.122	.039	.201	.115	.037	.189	.109	.035	.178	.103	.033	
2.0	.214	.117	.036	.208	.114	.035	.197	.109	.034	.187	.105	.033	.177	.100	.032	
3.0	.204	.109	.033	.199	.107	.032	.189	.103	.031	.180	.099	.030	.172	.095	.029	
4.0	.194	.101	.030	.189	.099	.029	.181	.096	.029	.173	.093	.028	.166	.090	.027	
5.0	.184	.094	.027	.180	.092	.027	.172	.090	.026	.166	.087	.026	.159	.085	.026	
6.0	.174	.087	.025	.171	.086	.025	.164	.084	.025	.158	.082	.024	.152	.080	.024	
7.0	.166	.082	.023	.163	.081	.023	.157	.079	.023	.151	.077	.023	.146	.076	.022	
8.0	.158	.077	.022	.155	.076	.022	.149	.075	.021	.144	.073	.021	.140	.072	.021	
9.0	.150	.073	.020	.147	.072	.020	.143	.071	.020	.138	.069	.020	.134	.068	.020	
10.0	.143	.068	.019	.141	.068	.019	.136	.067	.019	.132	.066	.019	.128	.065	.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	.164	.164	.164	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.175	.158	.142	.150	.135	.122	.102	.093	.085	.059	.054	.049	.019	.017	.016	
2.0	.163	.133	.108	.139	.115	.094	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.153	.115	.085	.131	.099	.073	.090	.069	.051	.052	.040	.030	.017	.013	.010	
4.0	.144	.101	.067	.124	.087	.059	.085	.061	.041	.049	.035	.024	.016	.012	.008	
5.0	.137	.090	.055	.117	.078	.048	.081	.054	.034	.047	.032	.020	.015	.010	.007	
6.0	.130	.081	.046	.112	.070	.040	.077	.049	.028	.045	.029	.017	.014	.009	.006	
7.0	.124	.074	.039	.106	.064	.034	.074	.045	.024	.043	.026	.014	.014	.009	.005	
8.0	.118	.068	.033	.102	.059	.029	.070	.041	.021	.041	.024	.012	.013	.008	.004	
9.0	.113	.063	.029	.097	.055	.025	.067	.038	.018	.039	.023	.011	.013	.007	.004	
10.0	.108	.059	.026	.093	.051	.022	.065	.036	.016	.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:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm										
NAME: ECOHB120LSE5G7 with PC Reflector					TYPE:Highbay			WEIGHT:		
SPEC.:DIP60W					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	23.3	24.5	23.6	24.7	24.9	23.5	24.7	23.7	24.8	25.0
3H	23.4	24.5	23.6	24.7	24.9	23.5	24.6	23.8	24.8	25.0
4H	23.4	24.4	23.7	24.7	24.9	23.5	24.6	23.8	24.8	25.0
6H	23.3	24.3	23.6	24.6	24.8	23.5	24.5	23.8	24.7	25.0
8H	23.3	24.2	23.6	24.5	24.8	23.5	24.4	23.8	24.7	25.0
12H	23.3	24.1	23.6	24.4	24.7	23.4	24.3	23.8	24.6	24.9
4H 2H	23.2	24.2	23.5	24.5	24.7	23.3	24.4	23.6	24.6	24.8
3H	23.3	24.2	23.7	24.5	24.8	23.5	24.4	23.8	24.6	24.9
4H	23.4	24.2	23.8	24.5	24.9	23.6	24.4	23.9	24.7	25.0
6H	23.4	24.1	23.8	24.4	24.8	23.6	24.3	24.0	24.6	25.0
8H	23.4	24.0	23.8	24.4	24.8	23.5	24.2	23.9	24.6	24.9
12H	23.3	23.9	23.8	24.3	24.7	23.5	24.1	23.9	24.5	24.9
8H 4H	23.4	24.0	23.8	24.4	24.8	23.5	24.2	23.9	24.5	24.9
6H	23.4	23.9	23.8	24.3	24.7	23.5	24.1	24.0	24.5	24.9
8H	23.3	23.8	23.8	24.2	24.7	23.5	24.0	24.0	24.4	24.8
12H	23.3	23.7	23.8	24.2	24.6	23.5	23.9	24.0	24.3	24.8
12H 4H	23.3	23.9	23.7	24.3	24.7	23.5	24.1	23.9	24.4	24.8
6H	23.3	23.8	23.8	24.2	24.7	23.5	24.0	23.9	24.4	24.8
8H	23.3	23.7	23.8	24.1	24.6	23.5	23.9	23.9	24.3	24.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.8 / - 3.4					+ 2.0 / - 3.4				
1.5H	+ 3.0 / - 3.0					+ 3.1 / - 3.2				
2.0H	+ 4.0 / - 2.7					+ 4.2 / - 2.5				

CIE Pub.117, 10773 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 8.3$)
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:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

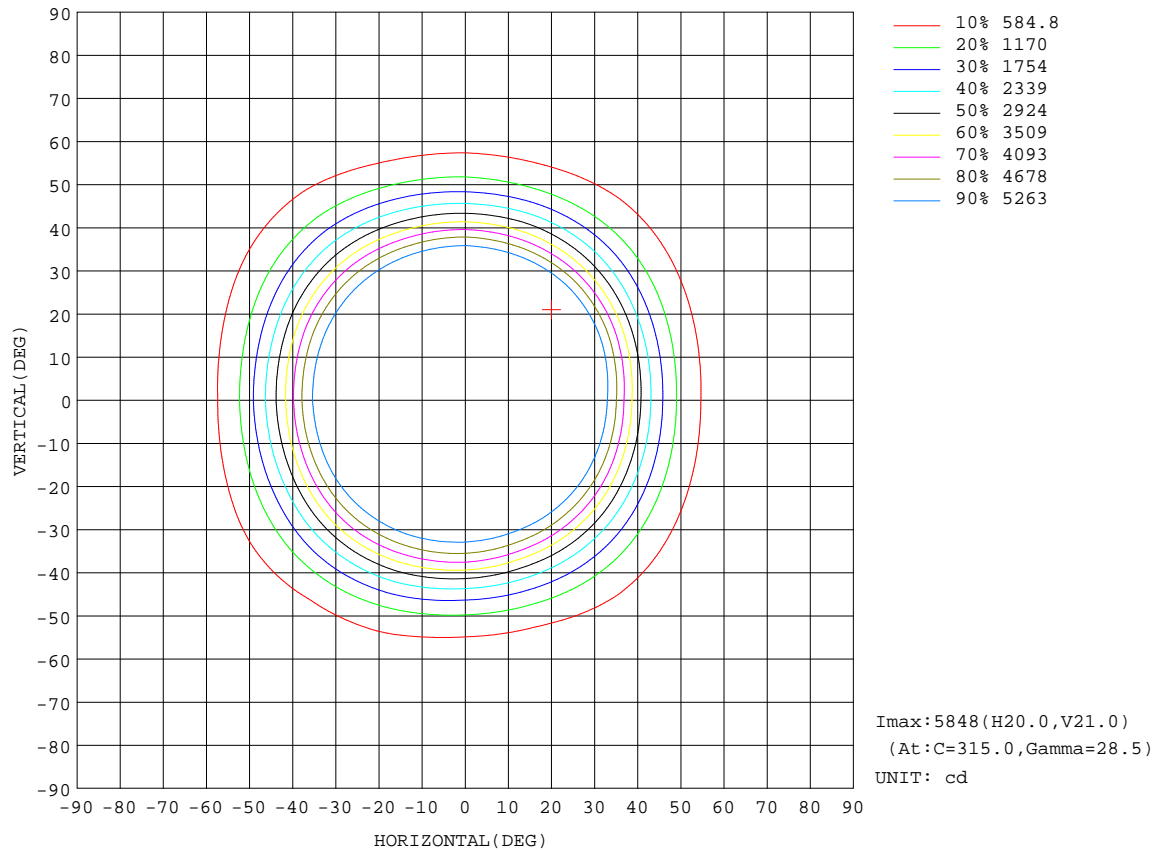
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	75	66	61	74	66	61	73	65	61	56
0.80	84	76	70	83	75	70	82	75	70	65
1.00	91	83	78	90	82	78	88	83	77	72
1.25	96	89	84	95	88	84	93	87	83	78
1.50	100	93	89	98	93	88	96	91	87	82
2.00	104	99	94	103	98	94	100	95	92	86
2.50	107	101	97	105	100	97	101	98	95	88
3.00	109	104	101	107	103	100	103	100	97	90
4.00	111	108	104	109	106	103	105	103	100	93
5.00	113	110	107	111	108	105	106	104	102	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

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

ISOCANDELA DIAGRAM

Test:U:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



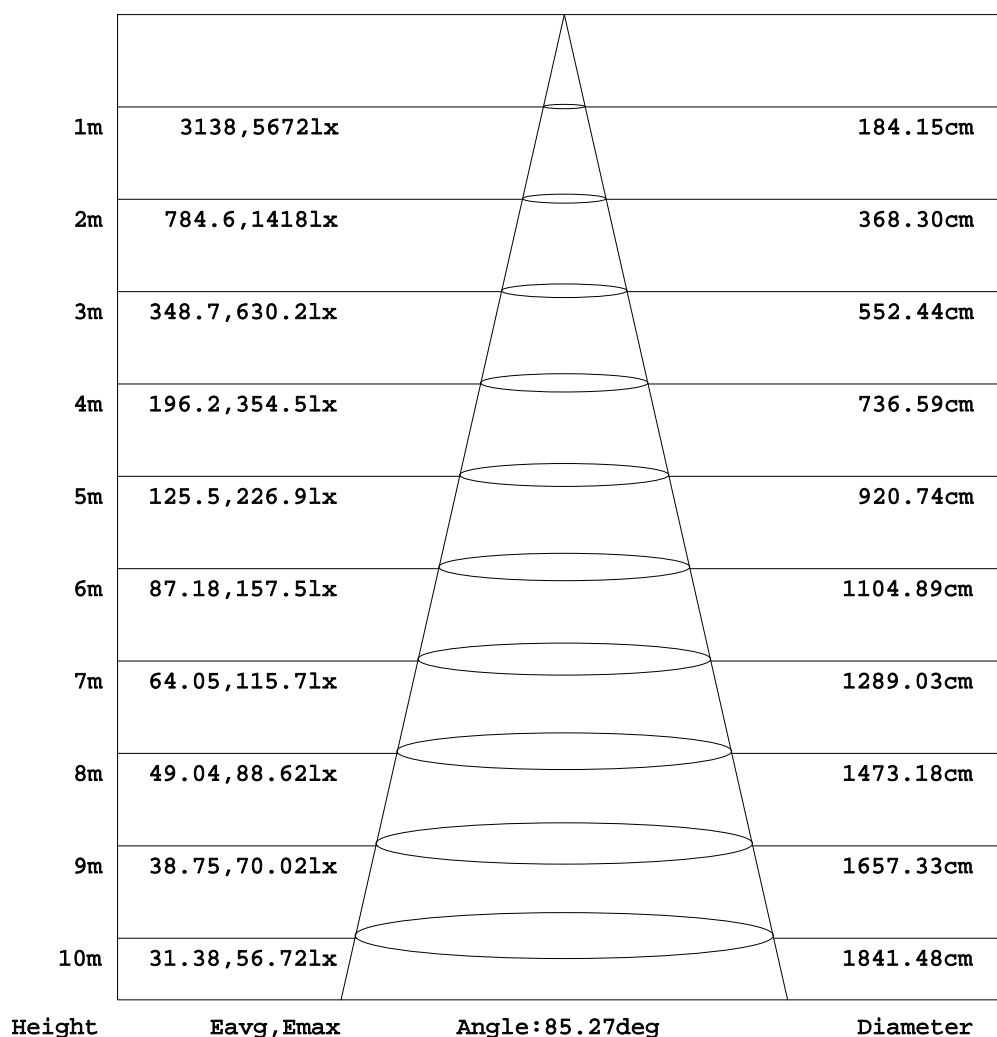
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

Flux out:8574 lm



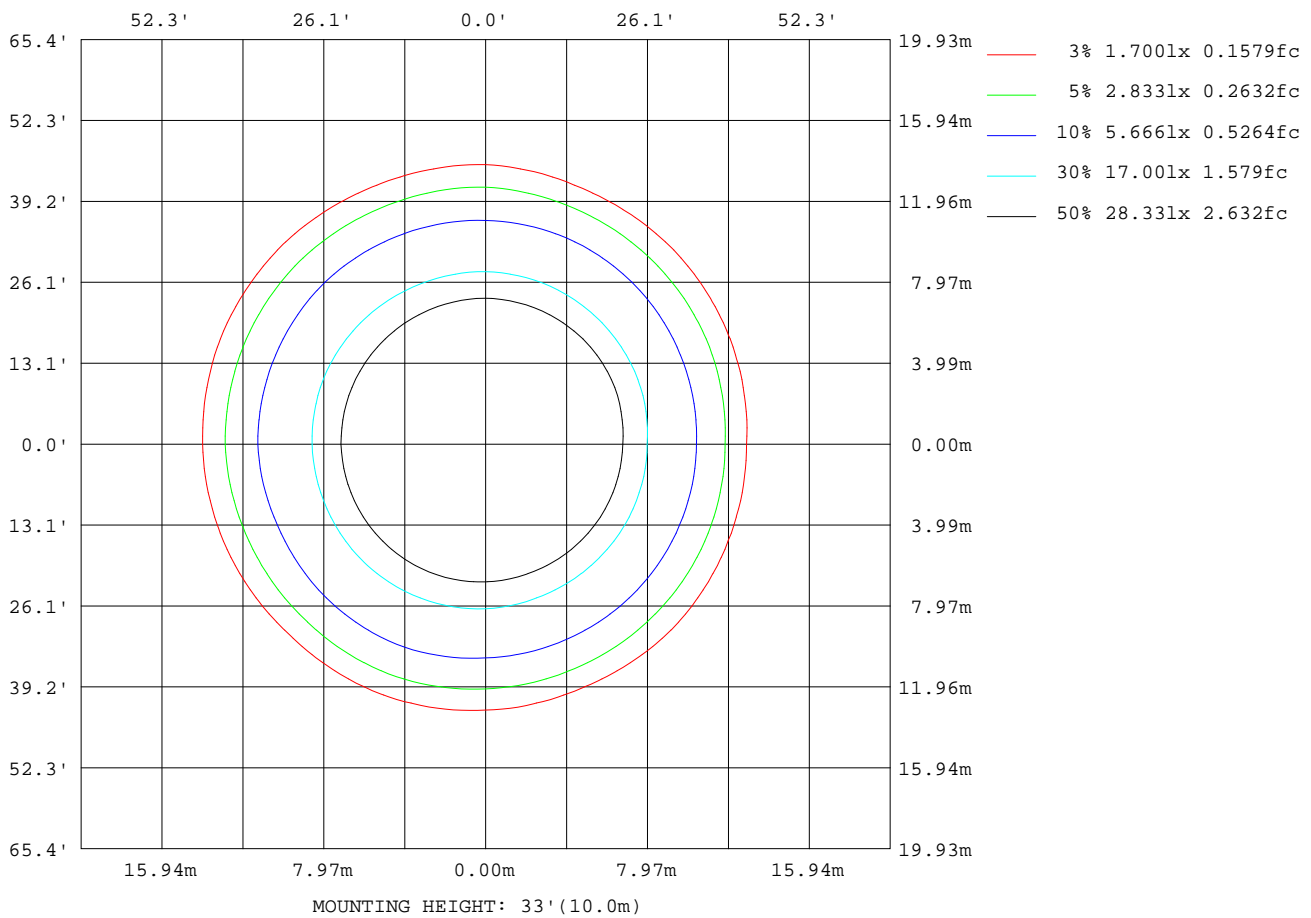
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	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:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

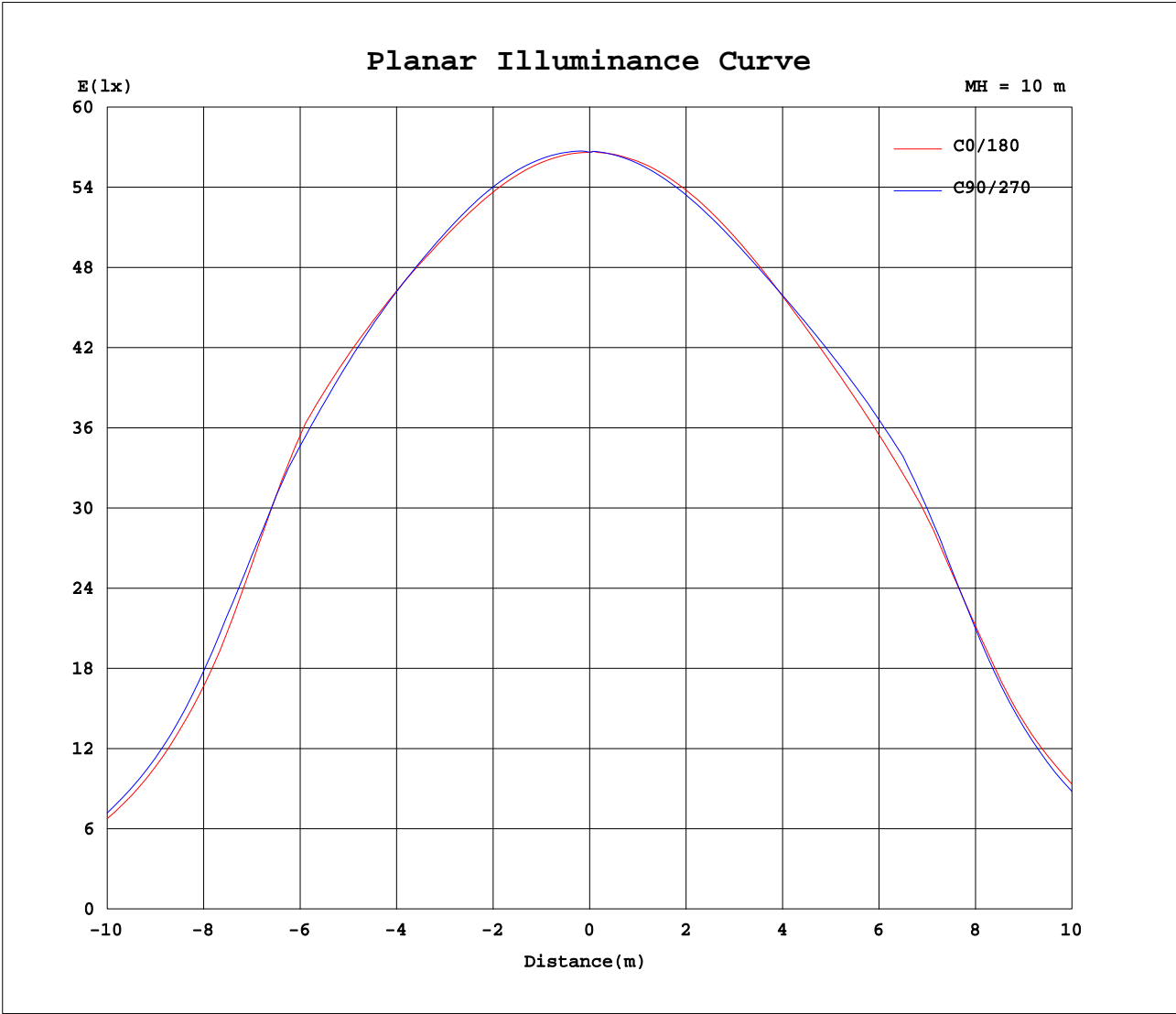
AvgL	cd/m2
L_0~180(65)av	14676
L_0~180(75)av	10609
L_0~180(85)av	5894
L_90~270(65)av	14548
L_90~270(75)av	11821
L_90~270(85)av	5591
L_45(65)av	14963
L_45(75)av	11742
L_45(85)av	5523

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:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm		
NAME: ECOHB120LSE5G7 with PC Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	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	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662
5	5668	5670	5673	5676	5679	5681	5683	5684	5686	5687	5688	5690	5691	5693	5694	5695	5695	5694	5694
10	5685	5689	5694	5698	5703	5707	5709	5712	5714	5717	5719	5720	5722	5723	5725	5724	5724	5723	5723
15	5710	5715	5721	5726	5732	5736	5739	5741	5744	5747	5748	5748	5749	5750	5750	5750	5749	5748	5748
20	5759	5763	5767	5771	5775	5777	5777	5777	5777	5777	5776	5774	5773	5772	5771	5770	5769	5768	5767
25	5799	5795	5792	5789	5786	5781	5775	5769	5762	5756	5752	5748	5745	5741	5739	5742	5745	5748	5751
30	5706	5689	5673	5657	5641	5624	5608	5591	5575	5559	5551	5543	5536	5528	5527	5536	5546	5554	5565
35	4690	4674	4659	4646	4633	4620	4608	4597	4587	4577	4585	4594	4605	4616	4639	4682	4725	4767	4814
40	3124	3105	3088	3071	3056	3046	3044	3042	3041	3041	3050	3060	3071	3082	3109	3161	3213	3265	3315
45	1913	1903	1894	1886	1879	1876	1877	1880	1883	1887	1894	1902	1911	1920	1935	1959	1984	2010	2034
50	992	995	998	1001	1006	1008	1010	1012	1014	1017	1022	1028	1035	1042	1055	1074	1094	1115	1135
55	572	571	570	569	568	569	571	573	576	579	574	568	563	557	557	562	568	574	579
60	353	355	357	359	362	364	367	371	374	378	375	373	371	369	370	376	383	389	395
65	231	234	237	240	243	245	245	245	245	246	245	244	243	243	244	248	252	255	259
70	165	166	166	167	168	167	164	161	158	155	157	159	161	163	166	169	171	174	177
75	106	110	113	117	121	122	121	120	118	117	119	120	122	123	124	126	128	129	131
80	33.5	33.9	34.3	34.7	35.2	35.2	34.9	34.6	34.3	34.0	34.8	35.7	36.6	37.6	39.0	41.0	43.2	45.5	47.2
85	18.8	18.6	18.5	18.3	18.1	17.8	17.4	17.0	16.7	16.3	16.6	17.0	17.3	17.7	18.2	18.7	19.2	19.7	20.2
90	11.5	11.3	11.0	10.8	10.6	10.4	10.1	9.91	9.68	9.45	9.59	9.74	9.91	10.1	10.3	10.6	10.8	11.1	11.3
95	11.4	11.2	11.1	10.9	10.7	10.5	10.4	10.2	10.0	9.86	9.84	9.82	9.80	9.78	9.72	9.63	9.54	9.44	9.33
100	5.99	5.85	5.76	5.71	5.69	5.72	5.80	5.92	6.04	6.19	6.42	6.66	6.90	7.17	7.47	7.94	8.48	8.38	9.58
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:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm																			
NAME: ECOHB120LSE5G7 with PC Relfector										TYPE:Highbay					WEIGHT:				
SPEC.:DIP60W										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	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662
5	5693	5694	5695	5695	5696	5696	5696	5695	5695	5695	5694	5694	5693	5692	5688	5683	5679	5674	5675
10	5723	5723	5723	5724	5724	5724	5724	5724	5725	5724	5724	5723	5722	5720	5715	5709	5704	5698	5697
15	5748	5748	5748	5748	5748	5749	5749	5750	5750	5750	5750	5750	5750	5748	5741	5734	5728	5721	5718
20	5766	5766	5765	5764	5764	5764	5765	5765	5765	5764	5762	5761	5759	5756	5750	5743	5737	5731	5730
25	5751	5751	5750	5750	5751	5754	5758	5761	5764	5762	5760	5758	5756	5751	5744	5736	5729	5721	5724
30	5570	5577	5582	5588	5596	5607	5619	5631	5643	5651	5658	5665	5671	5674	5670	5666	5663	5659	5663
35	4845	4882	4913	4948	4982	5010	5039	5067	5095	5123	5150	5177	5203	5229	5254	5278	5301	5324	5335
40	3365	3410	3455	3501	3544	3584	3625	3666	3705	3739	3771	3803	3833	3869	3911	3952	3991	4030	4056
45	2081	2128	2175	2222	2258	2279	2299	2318	2338	2360	2383	2404	2426	2459	2507	2553	2599	2644	2654
50	1162	1189	1219	1247	1271	1290	1309	1328	1346	1366	1385	1404	1422	1448	1483	1517	1551	1585	1590
55	590	601	611	621	628	631	633	635	638	656	674	692	710	725	737	748	759	769	781
60	405	415	425	434	439	436	432	429	426	437	447	458	469	478	485	492	499	506	510
65	262	265	269	272	275	276	278	280	282	286	290	293	297	301	306	311	315	319	322
70	177	176	176	176	177	180	183	186	188	190	192	193	195	198	201	205	208	211	214
75	128	125	123	121	120	122	124	126	128	128	129	130	131	132	133	135	136	138	140
80	49.8	51.7	53.9	56.2	59.3	63.2	67.1	71.0	74.8	76.0	77.1	78.0	78.9	80.5	82.9	85.1	87.3	89.4	90.6
85	20.7	21.1	21.6	22.1	22.5	22.8	23.2	23.5	23.9	23.9	23.9	23.9	23.9	24.2	24.8	25.5	26.1	26.8	26.7
90	11.4	11.4	11.4	11.4	11.4	11.4	11.3	11.3	11.3	11.3	11.2	11.1	11.0	11.2	11.6	12.0	12.4	12.8	12.9
95	9.16	8.98	8.81	8.64	8.54	8.52	8.49	8.47	8.45	8.36	8.28	8.19	8.11	8.08	8.11	8.14	8.18	8.21	8.46
100	8.77	9.20	9.57	9.54	9.54	9.55	9.54	9.56	9.55	9.45	9.35	9.24	9.14	9.13	9.20	9.26	9.33	9.40	9.65
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:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm																		
NAME: ECOHB120LSE5G7 with PC Relfector									TYPE:Highbay					WEIGHT:				
SPEC.:DIP60W									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	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662
5	5675	5675	5675	5675	5674	5673	5672	5671	5670	5670	5669	5668	5667	5665	5664	5663	5662	5662	5662
10	5695	5693	5691	5689	5687	5685	5683	5681	5679	5677	5676	5674	5672	5669	5667	5665	5664	5664	5663
15	5716	5713	5711	5708	5704	5701	5697	5694	5692	5690	5688	5686	5684	5682	5680	5678	5677	5677	5677
20	5729	5728	5727	5725	5723	5721	5719	5717	5716	5714	5713	5712	5712	5712	5712	5712	5713	5714	5715
25	5726	5728	5730	5733	5735	5737	5740	5743	5747	5751	5756	5760	5765	5770	5776	5781	5786	5787	5789
30	5668	5672	5676	5682	5688	5695	5701	5708	5719	5730	5741	5752	5765	5780	5794	5808	5822	5823	5826
35	5346	5356	5366	5373	5377	5380	5383	5386	5393	5401	5407	5413	5418	5425	5433	5438	5446	5427	5412
40	4081	4105	4127	4132	4123	4113	4101	4088	4066	4042	4018	3994	3980	3974	3967	3959	3946	3912	3878
45	2664	2673	2681	2679	2670	2660	2649	2638	2621	2604	2587	2568	2552	2537	2521	2505	2488	2467	2445
50	1596	1600	1604	1605	1604	1602	1600	1596	1580	1563	1546	1529	1515	1504	1492	1481	1467	1440	1410
55	792	803	813	817	815	813	811	808	794	779	763	747	738	735	733	730	722	710	695
60	514	518	522	523	521	519	517	515	505	494	483	472	466	464	462	459	456	451	445
65	324	326	329	330	330	330	330	330	322	315	307	300	295	293	291	289	287	285	283
70	216	219	222	223	222	222	222	221	217	212	208	204	201	198	196	193	191	189	187
75	143	146	149	150	151	151	152	152	151	150	149	148	147	145	144	142	141	141	141
80	91.7	92.7	93.5	93.1	91.5	89.8	88.1	86.3	83.4	80.4	77.4	74.4	71.5	68.6	65.7	63.2	59.8	58.6	56.6
85	26.6	26.4	26.3	26.0	25.5	25.1	24.6	24.1	23.8	23.6	23.3	23.0	22.9	22.9	23.0	23.1	23.1	23.0	22.8
90	13.0	13.1	13.2	13.1	12.8	12.4	12.1	11.7	11.8	11.8	11.9	11.9	12.1	12.3	12.6	12.9	13.2	13.2	13.2
95	8.71	8.97	9.22	9.43	9.60	9.78	9.96	10.1	10.3	10.5	10.7	10.9	11.2	11.5	11.8	12.1	12.4	12.7	12.9
100	9.90	10.2	10.4	10.6	10.7	10.9	11.0	11.1	11.2	11.2	11.2	11.2	11.2	11.4	11.1	10.7	11.8	10.5	10.9
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.83V I:0.2641A P:60.033W PF:0.9440 Freq:49.99Hz Lamp Flux:10772.9x1 lm																	
NAME: ECOHB120LSE5G7 with PC Relfector									TYPE:Highbay						WEIGHT:		
SPEC.:DIP60W									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	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662	5662				
5	5662	5662	5662	5663	5663	5663	5664	5666	5667	5669	5670	5670	5669	5669	5668				
10	5663	5663	5663	5664	5664	5664	5666	5668	5671	5673	5676	5678	5680	5681	5683				
15	5677	5676	5677	5677	5678	5678	5679	5683	5686	5689	5692	5696	5699	5703	5706				
20	5717	5718	5720	5722	5725	5727	5730	5733	5737	5740	5743	5746	5750	5753	5756				
25	5790	5792	5795	5799	5802	5806	5810	5811	5812	5813	5814	5812	5809	5806	5802				
30	5827	5830	5832	5835	5837	5840	5841	5834	5828	5822	5815	5799	5776	5752	5729				
35	5398	5383	5356	5327	5300	5271	5241	5195	5151	5107	5064	5001	4921	4843	4766				
40	3844	3809	3767	3721	3673	3627	3581	3532	3485	3438	3393	3341	3285	3230	3176				
45	2423	2402	2370	2330	2291	2252	2215	2172	2130	2089	2049	2016	1989	1963	1937				
50	1380	1350	1322	1295	1269	1243	1218	1193	1169	1146	1124	1099	1071	1044	1018				
55	680	665	656	652	648	644	640	630	621	613	604	597	590	584	578				
60	440	434	429	425	421	417	413	408	404	400	396	389	380	371	362				
65	281	279	277	274	271	268	266	265	264	263	262	259	252	245	238				
70	185	183	181	180	179	178	177	175	173	172	170	168	167	166	166				
75	141	141	141	142	142	142	143	140	138	135	133	129	123	117	112				
80	54.7	53.1	50.9	48.3	45.8	43.4	41.1	40.0	39.1	38.2	37.3	36.5	35.7	35.0	34.2				
85	22.6	22.5	22.3	22.0	21.8	21.5	21.2	21.0	20.7	20.4	20.2	19.9	19.6	19.4	19.1				
90	13.2	13.1	13.0	12.8	12.6	12.4	12.2	12.3	12.4	12.5	12.6	12.5	12.3	12.0	11.8				
95	13.2	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.2	12.7	12.3	11.9				
100	10.5	10.1	9.74	9.28	8.86	8.46	8.09	7.77	7.49	7.24	7.03	6.79	6.51	6.29	6.11				
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: