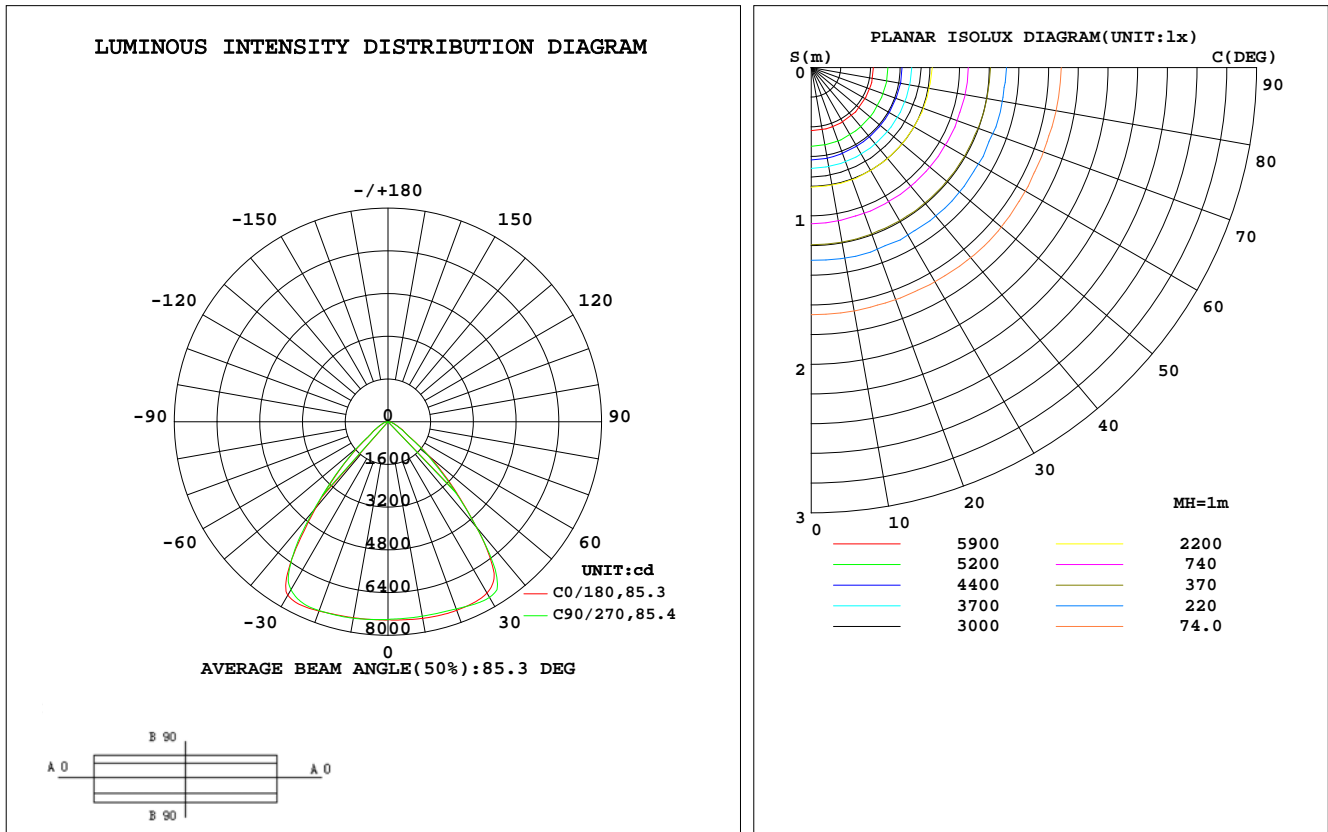


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm					
NAME: ECOHB120LSE5G7 with PC Reflector			TYPE:Highbay		WEIGHT:
SPEC.:DIP80W			DIM.: D290		SERIAL No.:
MFR.: Eastfield			SUR.:D238		Shielding Angle:

DATA OF LAMP			PHOTOMETRIC DATA			Eff: 176.48 lm/W
MODEL	1		I _{max} (cd)	7621	S/MH(C0/180)	1.26
NOMINAL POWER(W)	120		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	240		TOTAL FLUX(lm)	14083	η UP,DN(C0-180)	0.1,48.5
NOMINAL FLUX(lm)	14083.5		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



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	7454	7474	7471	7461	7476	7429	7394	7382	0- 10	708.8	708.8	5.03,5.03
20	7545	7551	7527	7511	7517	7475	7459	7462	10- 20	2118	2827	20.1,20.1
30	7500	7285	7266	7335	7411	7454	7599	7614	20- 30	3475	6302	44.8,44.7
40	4212	4059	4336	4745	5163	5261	5159	4762	30- 40	4003	10305	73.2,73.2
50	1394	1387	1496	1706	2011	2037	1919	1638	40- 50	2323	12628	89.7,89.7
60	478.1	504.1	517.0	546.6	653.2	662.5	596.8	550.3	50- 60	852.7	13481	95.7,95.7
70	219.2	208.0	231.5	243.1	272.2	286.7	249.6	235.8	60- 70	372.3	13853	98.4,98.4
80	46.95	47.26	62.64	93.05	111.6	107.5	79.13	56.99	70- 80	176.4	14029	99.6,99.6
90	16.12	13.38	15.82	15.41	16.87	15.75	18.23	17.03	80- 90	36.79	14066	99.9,99.9
100	13.35	11.33	13.53	13.24	13.47	15.22	16.49	14.50	90-100	16.06	14082	100,100
110	0	0	0	0	0	0	0	0	100-110	0.8874	14083	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14083	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14083	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14083	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14083	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14083	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14083	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14083	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11703 lm

%lum = 83.1%

%lamp = 83.1%

Conical surface Flux(120deg): 13481 lm

%lum = 95.7%

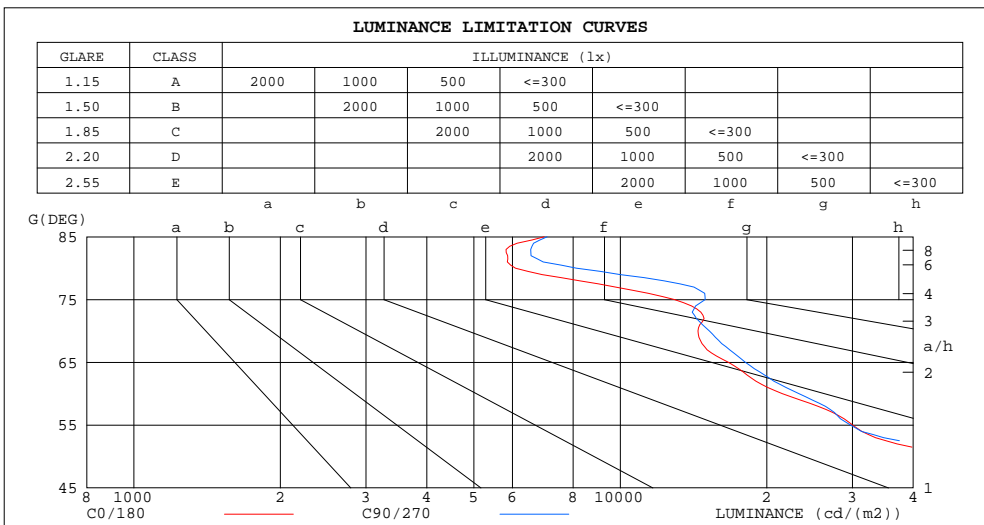
%lamp = 95.7%

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

LUMINANCE LIMITATION CURVES

Test:U:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP80W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	6970	7069
80	6089	8125
75	12915	14944
70	14437	15242
65	16676	18072
60	21538	23288
55	30016	29728
50	48840	52434
45	82606	84630

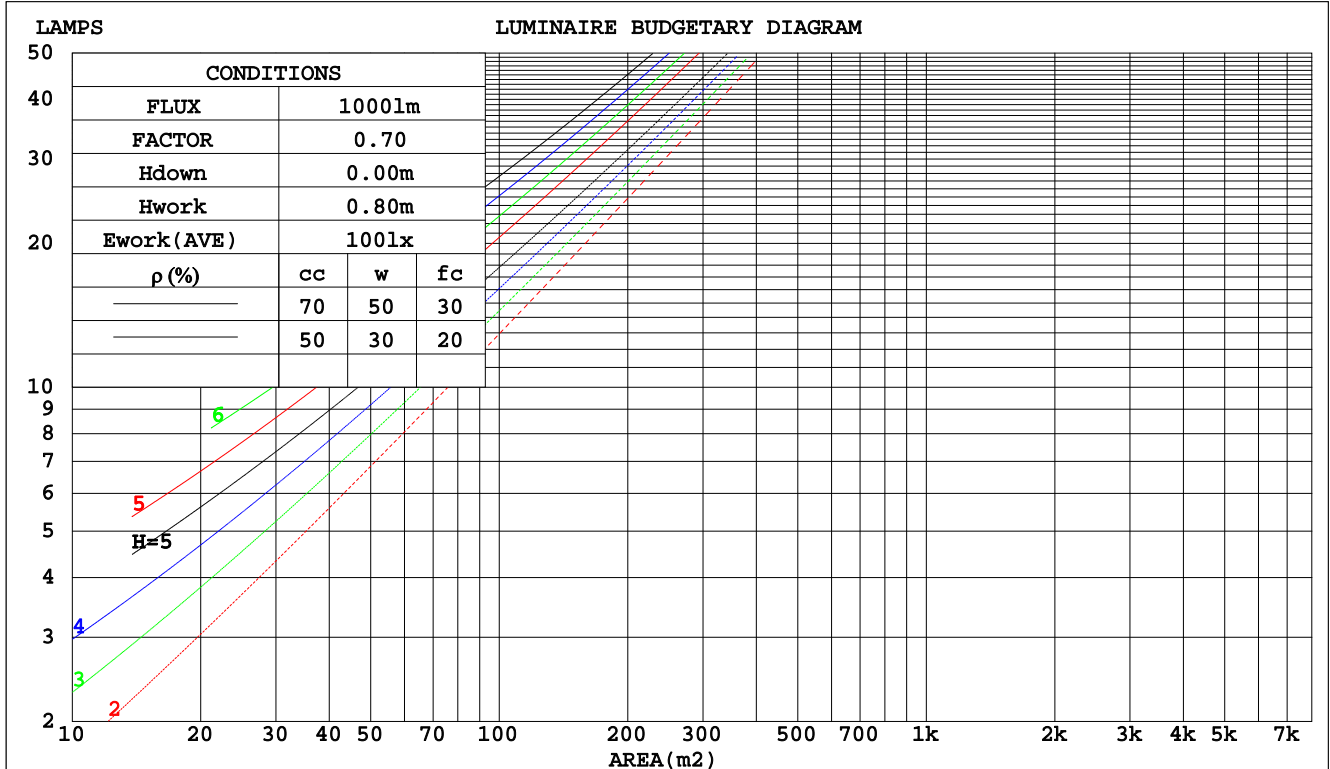
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP80W	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	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
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	.93	.89	.97	.92	.88	.93	.90	.86	.90	.87	.84	.87	.85	.83	.81
3.0	.90	.83	.78	.88	.82	.78	.85	.80	.76	.83	.79	.75	.80	.77	.74	.72
4.0	.82	.75	.70	.80	.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	.64	.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:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm					
NAME: ECOHB120LSE5G7 with PC Reflector			TYPE:Highbay		WEIGHT:
SPEC.:DIP80W			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	.214	.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	.030		
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	.173	.090	.026	.166	.087	.026	.159	.085	.026		
6.0	.175	.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	.069	.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	.021	.021	.021		
1.0	.175	.158	.142	.150	.135	.123	.102	.093	.085	.059	.054	.049	.019	.017	.016		
2.0	.163	.133	.108	.139	.115	.094	.096	.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	.036	.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	.107	.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	.068	.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:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm										
NAME: ECOHB120LSE5G7 with PC Reflector					TYPE:Highbay			WEIGHT:		
SPEC.:DIP80W					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	24.4	25.6	24.7	25.8	26.0	24.5	25.7	24.7	25.8	26.0
3H	24.5	25.6	24.8	25.8	26.0	24.5	25.6	24.8	25.8	26.0
4H	24.5	25.6	24.8	25.8	26.0	24.5	25.6	24.8	25.8	26.0
6H	24.5	25.4	24.8	25.7	26.0	24.5	25.5	24.8	25.7	26.0
8H	24.4	25.4	24.7	25.6	25.9	24.5	25.4	24.8	25.7	26.0
12H	24.4	25.3	24.7	25.6	25.8	24.4	25.3	24.8	25.6	25.9
4H 2H	24.3	25.4	24.6	25.6	25.8	24.3	25.4	24.6	25.6	25.9
3H	24.5	25.3	24.8	25.6	25.9	24.5	25.4	24.8	25.6	25.9
4H	24.6	25.4	24.9	25.7	26.0	24.6	25.4	24.9	25.7	26.0
6H	24.5	25.2	24.9	25.6	25.9	24.6	25.3	25.0	25.6	26.0
8H	24.5	25.2	24.9	25.5	25.9	24.5	25.2	24.9	25.6	25.9
12H	24.5	25.1	24.9	25.4	25.8	24.5	25.1	24.9	25.5	25.9
8H 4H	24.5	25.1	24.9	25.5	25.9	24.5	25.2	24.9	25.5	25.9
6H	24.5	25.0	24.9	25.4	25.8	24.5	25.1	25.0	25.5	25.9
8H	24.5	24.9	24.9	25.4	25.8	24.5	25.0	25.0	25.4	25.9
12H	24.5	24.9	24.9	25.3	25.8	24.5	24.9	25.0	25.4	25.8
12H 4H	24.5	25.1	24.9	25.4	25.8	24.5	25.1	24.9	25.4	25.8
6H	24.4	24.9	24.9	25.3	25.8	24.5	25.0	25.0	25.4	25.8
8H	24.4	24.8	24.9	25.3	25.8	24.5	24.9	25.0	25.3	25.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.8 / - 3.4					+ 1.9 / - 3.4				
1.5H	+ 2.9 / - 3.0					+ 3.0 / - 3.2				
2.0H	+ 4.0 / - 2.6					+ 4.1 / - 2.5				

CIE Pub.117, 14084 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.2$)
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:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP80W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

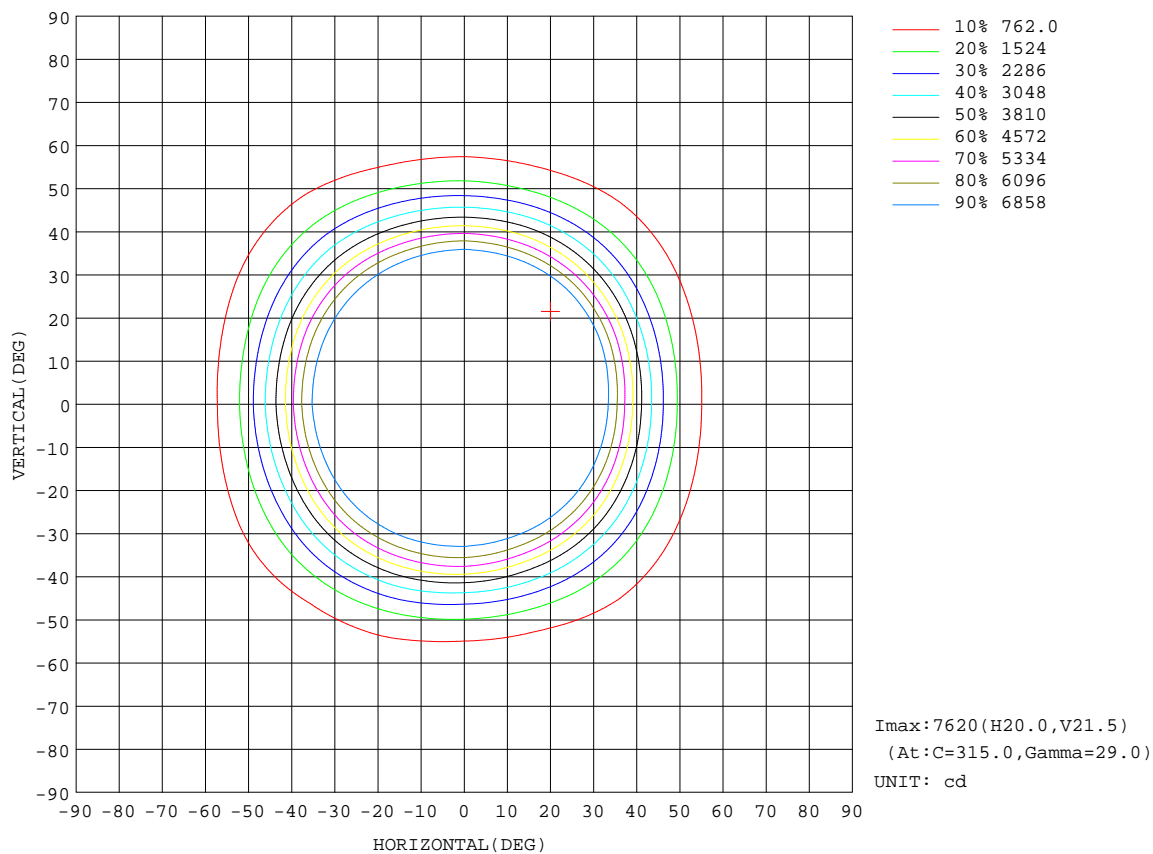
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	75	66	61	74	66	61	73	65	61	56
0.80	84	76	70	83	75	70	82	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	99	103	100	97	90
4.00	111	107	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:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP80W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

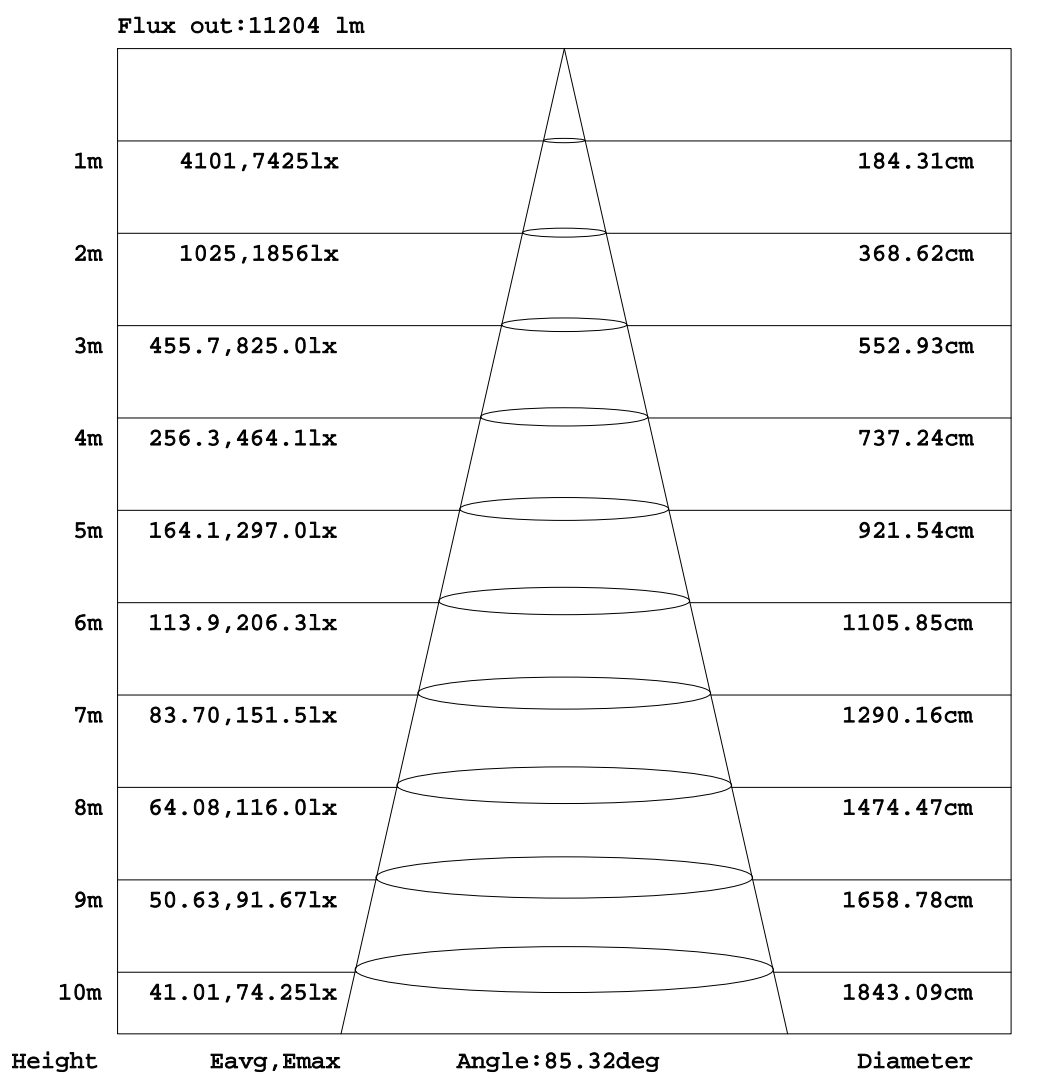


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 01
Test Date: 2023-03-02

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:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP80W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



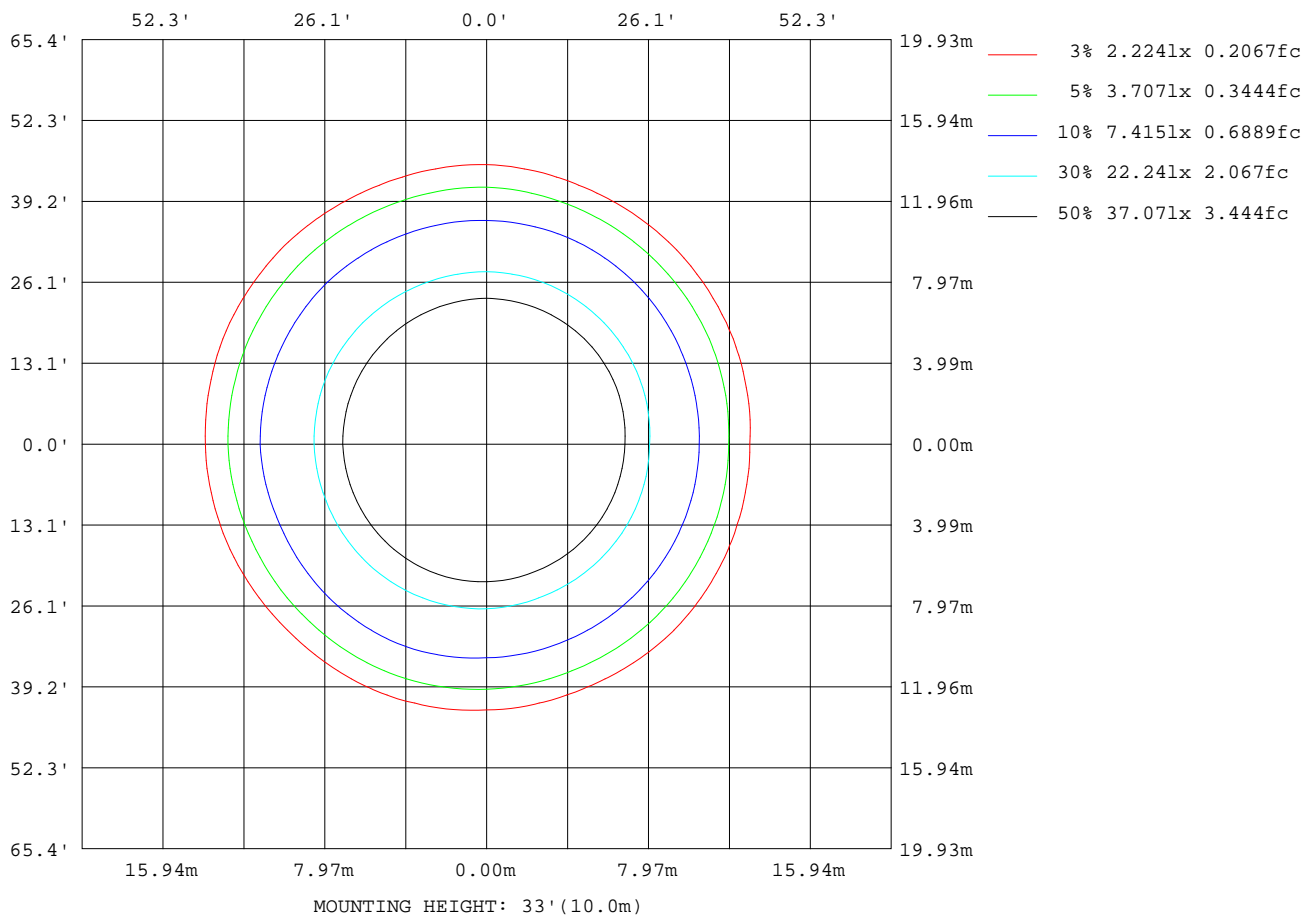
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP80W	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:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP80W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

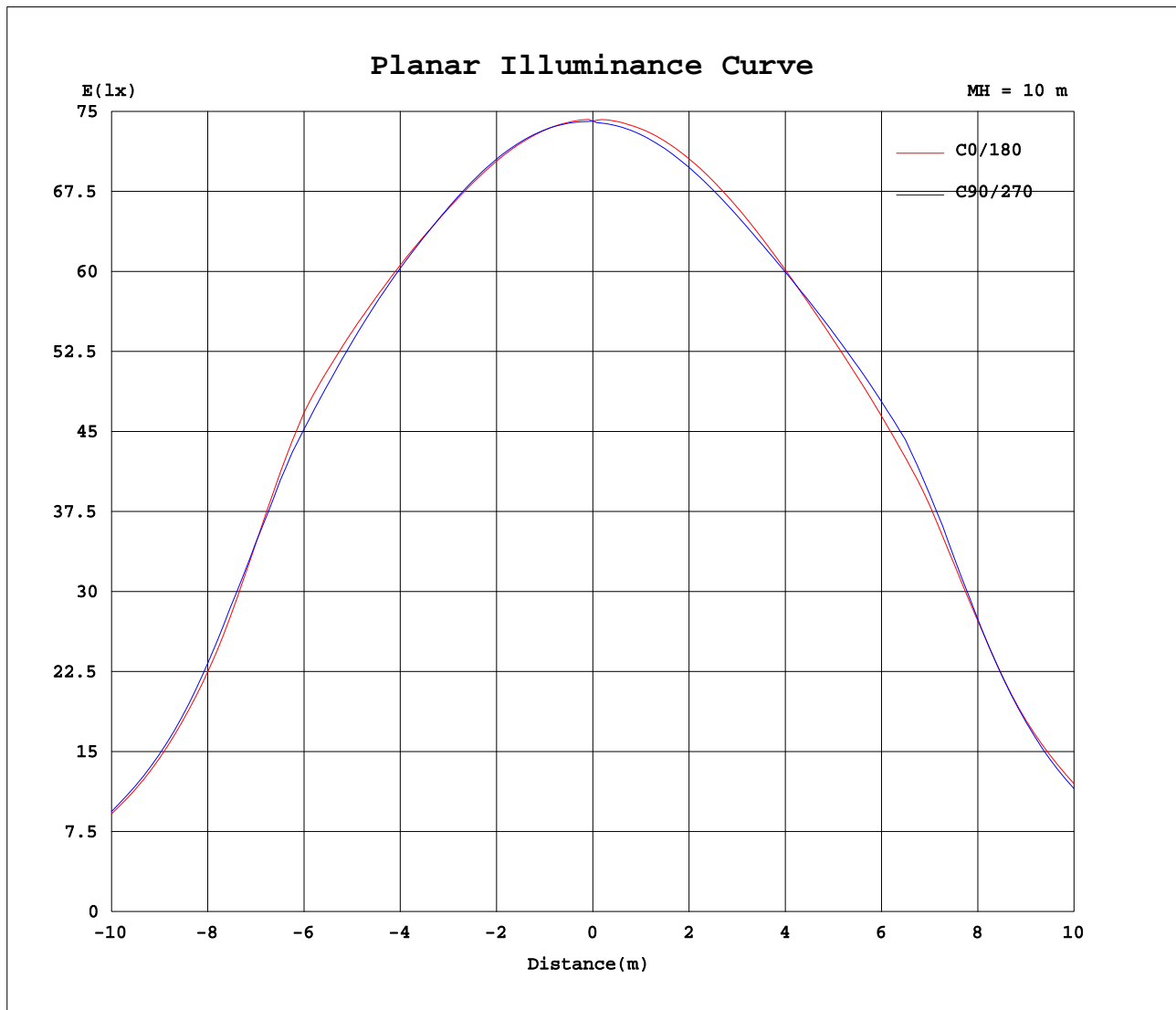
AvgL	cd/m2
L_0~180(65)av	19279
L_0~180(75)av	14199
L_0~180(85)av	7962
L_90~270(65)av	19029
L_90~270(75)av	15524
L_90~270(85)av	7560
L_45(65)av	19567
L_45(75)av	15516
L_45(85)av	7446

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:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm																		
NAME: ECOHB120LSE5G7 with PC Relfector									TYPE:Highbay					WEIGHT:				
SPEC.:DIP80W									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	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410
5	7433	7434	7435	7436	7437	7438	7437	7437	7436	7436	7436	7436	7436	7436	7436	7436	7435	7434	7433
10	7454	7457	7461	7464	7467	7470	7471	7472	7473	7474	7475	7476	7477	7477	7477	7476	7474	7473	7471
15	7484	7490	7495	7500	7505	7508	7510	7511	7512	7514	7513	7513	7512	7511	7510	7508	7506	7504	7502
20	7545	7548	7551	7555	7558	7559	7557	7555	7553	7551	7549	7546	7543	7540	7537	7535	7532	7530	7527
25	7599	7593	7587	7582	7576	7568	7558	7548	7538	7528	7521	7515	7509	7503	7500	7501	7503	7505	7508
30	7500	7474	7451	7428	7407	7382	7359	7333	7309	7285	7272	7258	7245	7234	7231	7238	7248	7254	7266
35	6280	6248	6221	6195	6169	6146	6124	6104	6084	6066	6068	6071	6076	6081	6104	6148	6194	6237	6294
40	4212	4186	4158	4131	4108	4090	4080	4072	4066	4059	4062	4067	4072	4077	4107	4164	4223	4281	4336
45	2593	2581	2567	2553	2542	2534	2531	2529	2528	2527	2531	2536	2541	2547	2561	2584	2610	2635	2657
50	1394	1391	1387	1383	1380	1379	1381	1383	1385	1387	1387	1388	1389	1390	1402	1425	1449	1472	1496
55	764	764	763	762	761	762	764	766	769	772	763	754	745	736	734	740	746	752	757
60	478	481	483	485	487	489	494	497	500	504	500	496	492	488	489	497	503	511	517
65	313	316	320	324	327	329	329	329	329	329	327	326	325	324	325	329	332	336	339
70	219	221	223	224	226	224	220	216	212	208	210	212	214	217	219	222	225	228	231
75	148	153	157	163	167	169	166	163	161	158	160	161	162	163	164	166	168	169	172
80	46.9	47.7	48.5	49.0	49.4	49.0	48.5	48.5	47.7	47.3	48.6	49.6	50.6	51.8	53.6	55.8	58.5	61.3	62.6
85	27.0	26.6	26.2	25.9	25.7	25.5	24.7	24.2	23.7	23.1	23.4	23.8	24.2	24.5	25.1	25.7	26.3	26.9	27.4
90	16.1	15.8	15.5	15.2	14.9	14.6	14.3	14.0	13.7	13.4	13.6	13.8	14.1	14.3	14.6	14.9	15.2	15.5	15.8
95	16.2	16.0	15.7	15.4	15.2	15.0	14.7	14.5	14.3	14.0	13.9	13.9	13.9	13.8	13.7	13.6	13.5	13.4	13.2
100	13.4	12.4	11.1	10.9	10.9	11.9	11.8	10.5	11.2	11.3	10.5	10.9	11.1	11.0	11.1	11.6	11.7	11.2	13.5
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm																			
NAME: ECOHB120LSE5G7 with PC Relfector										TYPE:Highbay					WEIGHT:				
SPEC.:DIP80W										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	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410
5	7432	7431	7431	7430	7429	7427	7425	7424	7422	7420	7419	7419	7418	7420	7425	7431	7436	7442	7440
10	7471	7470	7469	7468	7467	7466	7464	7463	7461	7460	7459	7457	7456	7458	7462	7466	7471	7476	7470
15	7501	7501	7500	7499	7498	7497	7496	7495	7494	7493	7493	7493	7492	7493	7496	7499	7502	7505	7499
20	7525	7523	7520	7518	7516	7515	7514	7513	7511	7509	7507	7505	7503	7503	7506	7510	7513	7517	7513
25	7505	7503	7501	7499	7499	7501	7502	7505	7506	7504	7501	7497	7494	7493	7495	7497	7500	7502	7502
30	7267	7273	7276	7280	7288	7299	7312	7324	7335	7344	7352	7360	7367	7376	7384	7392	7401	7411	7412
35	6317	6354	6387	6423	6455	6485	6520	6547	6577	6607	6637	6666	6696	6734	6781	6827	6872	6928	6928
40	4389	4437	4483	4532	4576	4619	4661	4703	4745	4780	4816	4850	4883	4930	4990	5048	5107	5163	5197
45	2714	2769	2824	2879	2916	2934	2952	2969	2986	3011	3037	3062	3088	3132	3196	3261	3325	3386	3398
50	1523	1551	1580	1608	1632	1651	1670	1687	1706	1728	1751	1772	1794	1828	1873	1920	1966	2011	2018
55	771	783	795	807	812	814	814	814	817	836	855	878	902	920	929	943	956	962	984
60	529	540	552	563	566	561	556	551	547	559	572	585	598	610	621	631	642	653	656
65	343	346	350	353	356	357	358	359	360	365	370	375	379	385	392	398	405	411	414
70	231	230	229	229	230	233	237	240	243	245	246	248	249	253	258	262	267	272	275
75	167	164	161	158	157	159	162	164	167	167	168	169	169	170	172	174	176	178	182
80	66.1	67.9	70.0	72.5	75.8	80.1	84.5	89.0	93.1	94.2	95.3	96.3	97.2	99.1	102	105	108	112	113
85	28.0	28.5	29.0	29.5	29.9	30.3	30.6	31.0	31.3	31.2	31.1	31.1	30.9	31.3	32.2	33.0	33.8	34.6	34.5
90	15.8	15.8	15.8	15.8	15.8	15.7	15.6	15.5	15.4	15.3	15.1	15.0	14.8	15.0	15.4	15.9	16.4	16.9	17.0
95	13.0	12.8	12.6	12.3	12.2	12.2	12.2	12.1	12.1	12.0	11.9	11.8	11.6	11.6	11.7	11.7	11.8	11.8	12.2
100	11.5	12.3	12.8	12.5	12.7	12.9	12.7	12.4	13.2	12.9	12.0	13.0	12.9	11.7	11.6	11.7	12.8	13.5	13.2
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:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm																			
NAME: ECOHB120LSE5G7 with PC Relfector										TYPE:Highbay					WEIGHT:				
SPEC.:DIP80W										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	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410
5	7438	7436	7433	7430	7426	7423	7419	7415	7413	7410	7407	7404	7402	7399	7396	7394	7391	7389	7387
10	7465	7460	7455	7449	7444	7439	7434	7429	7424	7420	7416	7412	7408	7405	7401	7397	7394	7391	7389
15	7492	7486	7479	7473	7466	7459	7453	7446	7441	7437	7432	7427	7423	7420	7418	7415	7412	7409	7407
20	7509	7504	7500	7496	7490	7485	7480	7475	7472	7469	7466	7463	7461	7460	7460	7459	7459	7458	7458
25	7502	7502	7502	7503	7505	7506	7507	7509	7512	7516	7520	7524	7529	7536	7542	7549	7555	7554	7554
30	7415	7417	7421	7425	7433	7439	7446	7454	7468	7481	7494	7508	7525	7543	7562	7579	7599	7599	7602
35	6939	6951	6957	6967	6971	6978	6983	6990	7002	7017	7026	7038	7052	7065	7080	7093	7114	7092	7080
40	5228	5259	5289	5299	5291	5282	5272	5261	5240	5217	5194	5172	5161	5162	5162	5162	5159	5126	5092
45	3406	3414	3424	3424	3417	3411	3402	3396	3378	3359	3340	3321	3306	3294	3283	3273	3258	3239	3216
50	2024	2029	2035	2038	2039	2039	2039	2037	2021	2005	1988	1971	1958	1949	1939	1931	1919	1890	1856
55	999	1013	1031	1038	1034	1032	1034	1033	1015	999	982	962	956	956	956	955	945	935	917
60	661	665	670	671	669	667	665	663	650	637	624	612	605	603	601	599	597	591	585
65	417	420	422	424	424	425	425	425	416	407	398	389	384	382	380	377	375	374	372
70	278	281	284	286	286	286	287	287	281	276	271	265	261	259	256	253	250	248	246
75	185	189	192	194	195	196	197	198	197	195	194	193	192	190	188	187	185	185	186
80	113	115	116	115	113	111	110	107	105	101	98.2	95.1	92.1	88.9	86.0	83.5	79.1	78.6	76.2
85	34.5	34.4	34.3	33.7	33.3	32.7	32.0	31.5	31.3	31.1	30.8	30.5	30.5	30.7	30.9	31.1	31.2	31.1	30.9
90	17.2	17.3	17.5	17.3	16.9	16.5	16.1	15.7	15.9	16.0	16.2	16.3	16.6	17.0	17.4	17.8	18.2	18.2	18.2
95	12.5	12.9	13.2	13.5	13.7	13.9	14.2	14.4	14.6	14.9	15.1	15.3	15.7	16.0	16.4	16.8	17.2	17.5	17.8
100	12.5	12.7	13.2	14.8	15.0	13.8	14.9	15.2	14.3	14.6	14.8	14.6	14.6	15.0	14.5	13.7	16.5	13.8	14.7
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.78V I:0.3435A P:79.802W PF:0.9648 Freq:49.99Hz Lamp Flux:14083.5x1 lm																	
NAME: ECOHB120LSE5G7 with PC Relfector									TYPE:Highbay						WEIGHT:		
SPEC.:DIP80W									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	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410	7410				
5	7386	7384	7383	7382	7381	7380	7380	7381	7382	7383	7386	7392	7402	7412	7422				
10	7386	7383	7382	7382	7382	7381	7382	7384	7387	7389	7393	7401	7414	7427	7441				
15	7405	7403	7401	7400	7400	7399	7399	7402	7405	7409	7413	7422	7438	7453	7469				
20	7457	7457	7457	7458	7459	7461	7462	7466	7469	7473	7477	7486	7501	7516	7530				
25	7553	7553	7555	7558	7561	7564	7567	7568	7569	7570	7571	7574	7580	7587	7593				
30	7604	7606	7608	7610	7612	7614	7614	7607	7598	7591	7581	7569	7550	7532	7515				
35	7065	7053	7027	6997	6971	6937	6905	6854	6803	6751	6702	6629	6542	6452	6363				
40	5057	5023	4977	4923	4869	4815	4762	4706	4649	4593	4539	4477	4410	4344	4278				
45	3194	3173	3139	3094	3049	3004	2960	2907	2854	2801	2750	2710	2678	2651	2623				
50	1825	1792	1760	1729	1699	1668	1638	1611	1584	1558	1532	1505	1477	1449	1423				
55	898	880	867	864	859	854	851	839	827	816	806	797	788	781	773				
60	579	573	568	563	559	555	550	545	540	535	529	521	511	501	490				
65	370	368	366	363	360	357	355	354	353	352	351	346	338	329	321				
70	243	241	239	238	237	237	236	233	230	228	225	224	222	222	220				
75	186	186	187	188	190	191	191	188	186	183	182	176	170	162	155				
80	74.1	72.4	69.8	66.5	63.4	60.4	57.0	55.8	55.0	53.2	52.1	51.7	50.7	49.7	48.2				
85	30.7	30.6	30.4	30.1	29.9	29.6	29.4	29.0	28.6	28.2	28.0	27.6	27.4	27.2	27.1				
90	18.3	18.3	18.1	17.8	17.6	17.3	17.0	17.2	17.4	17.6	17.7	17.6	17.3	16.9	16.5				
95	18.2	18.5	18.6	18.7	18.7	18.7	18.8	18.8	18.9	18.9	19.0	18.6	18.0	17.4	16.8				
100	15.0	14.6	14.6	14.6	14.2	13.6	14.5	14.2	13.1	14.5	14.4	12.8	12.3	12.1	12.9				
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				
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: