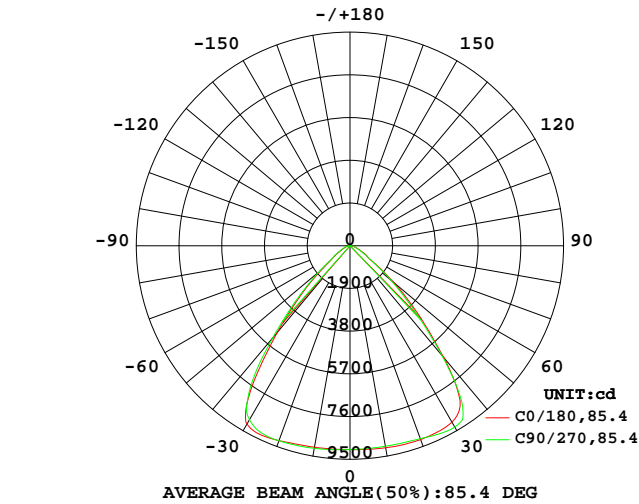


LUMINAIRE PHOTOMETRIC TEST REPORT

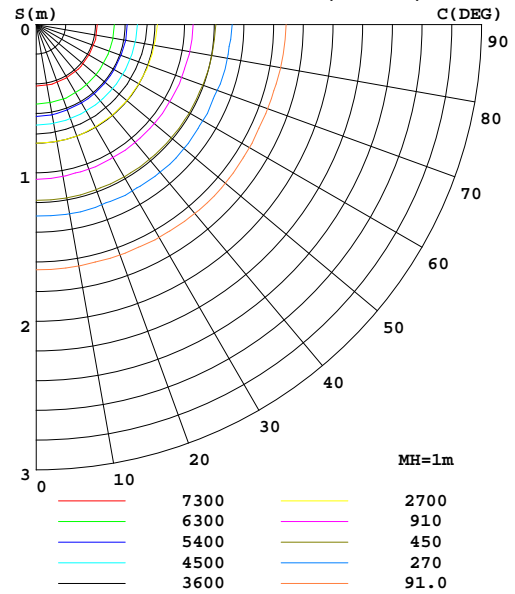
Test:U:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm					
NAME: ECOHB120LSE5G7 with PC Reflector			TYPE:Highbay		WEIGHT:
SPEC.:DIP100W			DIM.: D290		SERIAL No.:
MFR.: Eastfield			SUR.:D238		Shielding Angle:

DATA OF LAMP			PHOTOMETRIC DATA			Eff: 172.26 lm/W
MODEL	1		Imax(cd)	9351	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)	17278	η UP,DN(C0-180)	0.1,48.5
NOMINAL FLUX(lm)	17277.6		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	9099	9141	9150	9145	9123	9083	9056	9051	0- 10	867.6	867.6	5.02,5.02
20	9224	9250	9231	9211	9172	9141	9132	9154	10- 20	2593	3461	20,20
30	9157	8937	8939	9028	9061	9137	9315	9343	20- 30	4259	7720	44.7,44.7
40	5029	4904	5344	5952	6482	6563	6349	5741	30- 40	4914	12634	73.1,73.1
50	1610	1648	1830	2153	2541	2551	2350	1944	40- 50	2851	15485	89.6,89.6
60	567.3	605.4	634.4	685.7	815.9	829.2	733.4	662.0	50- 60	1049	16533	95.7,95.7
70	266.2	249.6	284.9	304.1	343.3	360.0	310.0	288.5	60- 70	458.4	16992	98.3,98.3
80	55.60	56.34	77.48	120.8	145.0	139.7	96.97	67.38	70- 80	217.3	17209	99.6,99.6
90	20.55	17.23	20.26	20.27	22.72	20.99	23.26	21.67	80- 90	46.50	17256	99.9,99.9
100	10.72	11.36	17.53	17.53	17.34	20.15	21.26	14.44	90-100	20.72	17276	100,100
110	0	0	0	0	0	0	0	0	100-110	1.119	17278	100,100
120	0	0	0	0	0	0	0	0	110-120	0	17278	100,100
130	0	0	0	0	0	0	0	0	120-130	0	17278	100,100
140	0	0	0	0	0	0	0	0	130-140	0	17278	100,100
150	0	0	0	0	0	0	0	0	140-150	0	17278	100,100
160	0	0	0	0	0	0	0	0	150-160	0	17278	100,100
170	0	0	0	0	0	0	0	0	160-170	0	17278	100,100
180	0	0	0	0	0	0	0	0	170-180	0	17278	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 14351 lm

%lum = 83.1%

%lamp = 83.1%

Conical surface Flux(120deg): 16533 lm

%lum = 95.7%

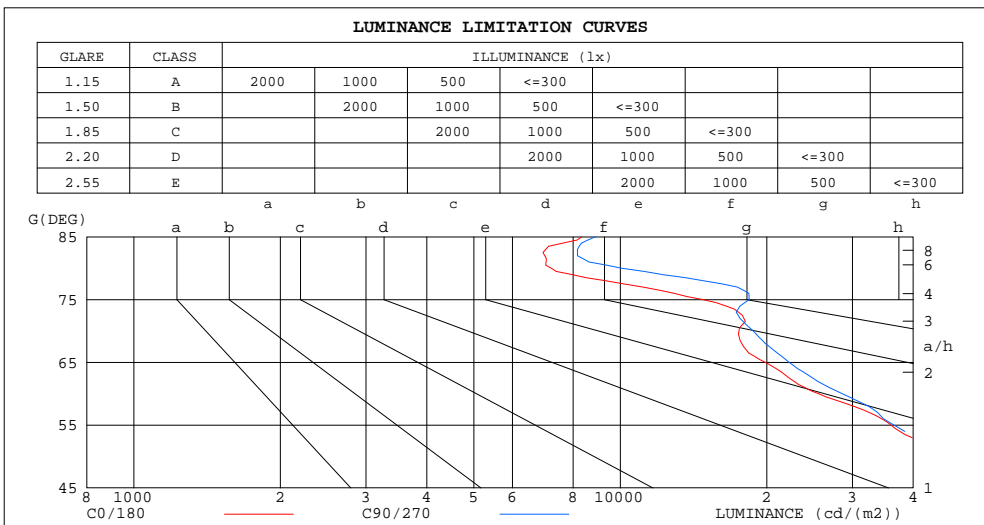
%lamp = 95.7%

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:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	8329	8887
80	7211	10050
75	14765	18411
70	17532	18759
65	19856	22224
60	25556	28578
55	36021	36506
50	56428	64111
45	97541	103826

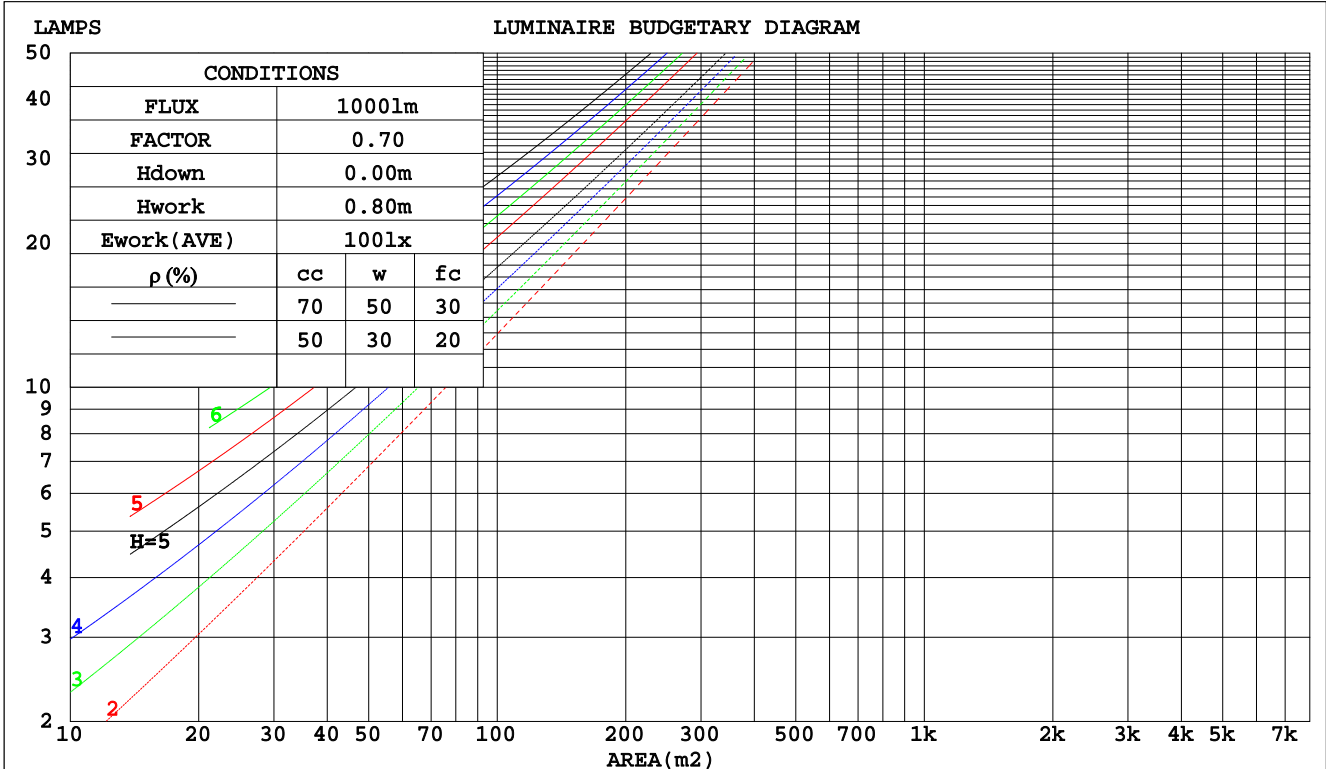
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						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	1.03	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	.82	.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	.67	.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	.49	.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:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm					
NAME: ECOHB120LSE5G7 with PC Reflector			TYPE:Highbay		WEIGHT:
SPEC.:DIP100W			DIM.: D290		SERIAL No.:
MFR.: Eastfield			SUR.:D238		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.221	.125	.040	.214	.122	.039	.201	.115	.037	.189	.109	.035	.178	.103	.033	
2.0	.214	.117	.036	.208	.115	.035	.197	.110	.034	.187	.105	.033	.177	.100	.032	
3.0	.204	.109	.033	.199	.107	.032	.189	.103	.031	.181	.099	.030	.172	.095	.030	
4.0	.194	.101	.030	.190	.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	.088	.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	.078	.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
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			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	.136	.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	.068	.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	.071	.041	.021	.041	.024	.012	.013	.008	.004	
9.0	.113	.063	.029	.098	.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:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm										
NAME: ECOHB120LSE5G7 with PC Relfector					TYPE:Highbay			WEIGHT:		
SPEC.:DIP100W					DIM.: D290			SERIAL No.:		
MFR.: Eastfield					SUR.:D238			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	25.0	26.2	25.2	26.4	26.6	25.1	26.3	25.4	26.5	26.7
3H	25.0	26.1	25.3	26.3	26.6	25.2	26.3	25.4	26.5	26.7
4H	25.0	26.1	25.3	26.3	26.6	25.2	26.2	25.5	26.5	26.7
6H	25.0	26.0	25.3	26.2	26.5	25.2	26.2	25.5	26.4	26.7
8H	25.0	25.9	25.3	26.2	26.4	25.1	26.1	25.5	26.3	26.6
12H	24.9	25.8	25.3	26.1	26.4	25.1	26.0	25.4	26.3	26.6
4H 2H	24.9	25.9	25.2	26.1	26.4	25.0	26.0	25.3	26.3	26.5
3H	25.0	25.9	25.3	26.2	26.5	25.1	26.0	25.5	26.3	26.6
4H	25.1	25.9	25.5	26.2	26.5	25.2	26.0	25.6	26.3	26.7
6H	25.1	25.8	25.4	26.1	26.5	25.2	25.9	25.6	26.3	26.6
8H	25.0	25.7	25.4	26.0	26.4	25.2	25.9	25.6	26.2	26.6
12H	25.0	25.6	25.4	26.0	26.4	25.2	25.8	25.6	26.2	26.6
8H 4H	25.0	25.7	25.4	26.0	26.4	25.2	25.8	25.6	26.2	26.6
6H	25.0	25.6	25.5	26.0	26.4	25.2	25.7	25.6	26.1	26.5
8H	25.0	25.5	25.5	25.9	26.3	25.2	25.6	25.6	26.1	26.5
12H	25.0	25.4	25.5	25.8	26.3	25.2	25.6	25.6	26.0	26.5
12H 4H	25.0	25.6	25.4	26.0	26.4	25.1	25.7	25.5	26.1	26.5
6H	25.0	25.5	25.4	25.9	26.3	25.2	25.6	25.6	26.0	26.5
8H	25.0	25.4	25.4	25.8	26.3	25.1	25.5	25.6	26.0	26.5
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					+ 4.1 / - 2.5				

CIE Pub.117, 17278 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.9$)
Area: 0.0444 m²

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

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

UTILIZATION FACTORS TABLE

Test:U:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

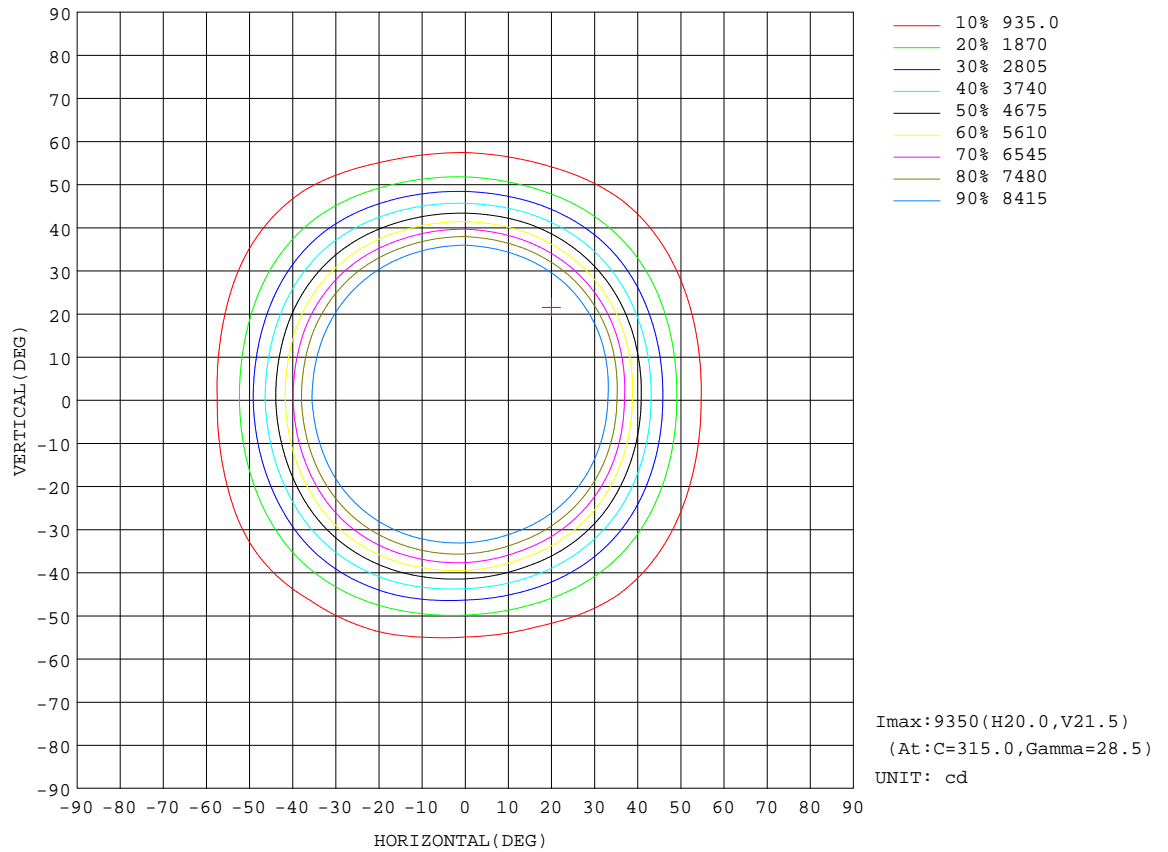
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	75	66	61	74	66	61	73	65	61	56
0.80	84	76	70	83	75	70	82	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	92	88	96	91	87	82
2.00	104	99	94	103	97	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:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



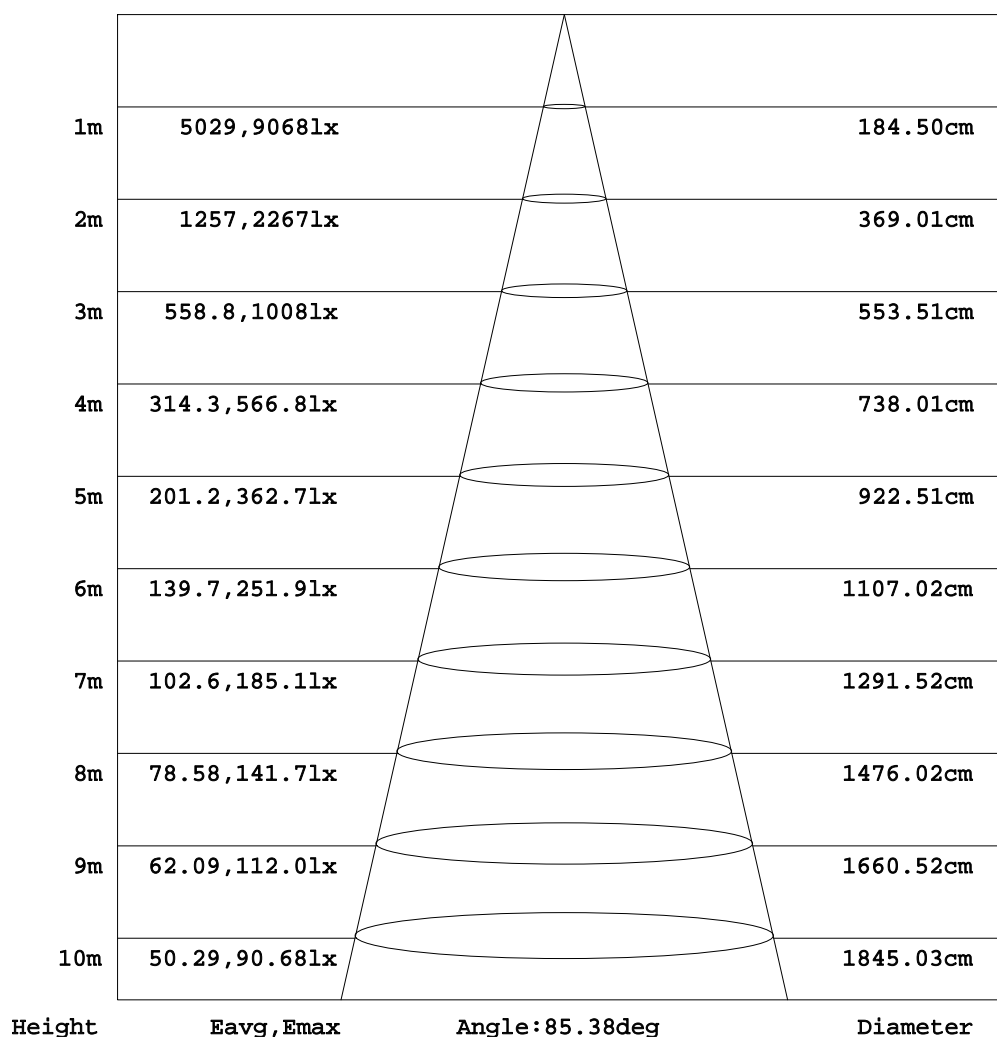
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2023-03-02

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

AAI Figure

Test:U:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

Flux out:13739 lm



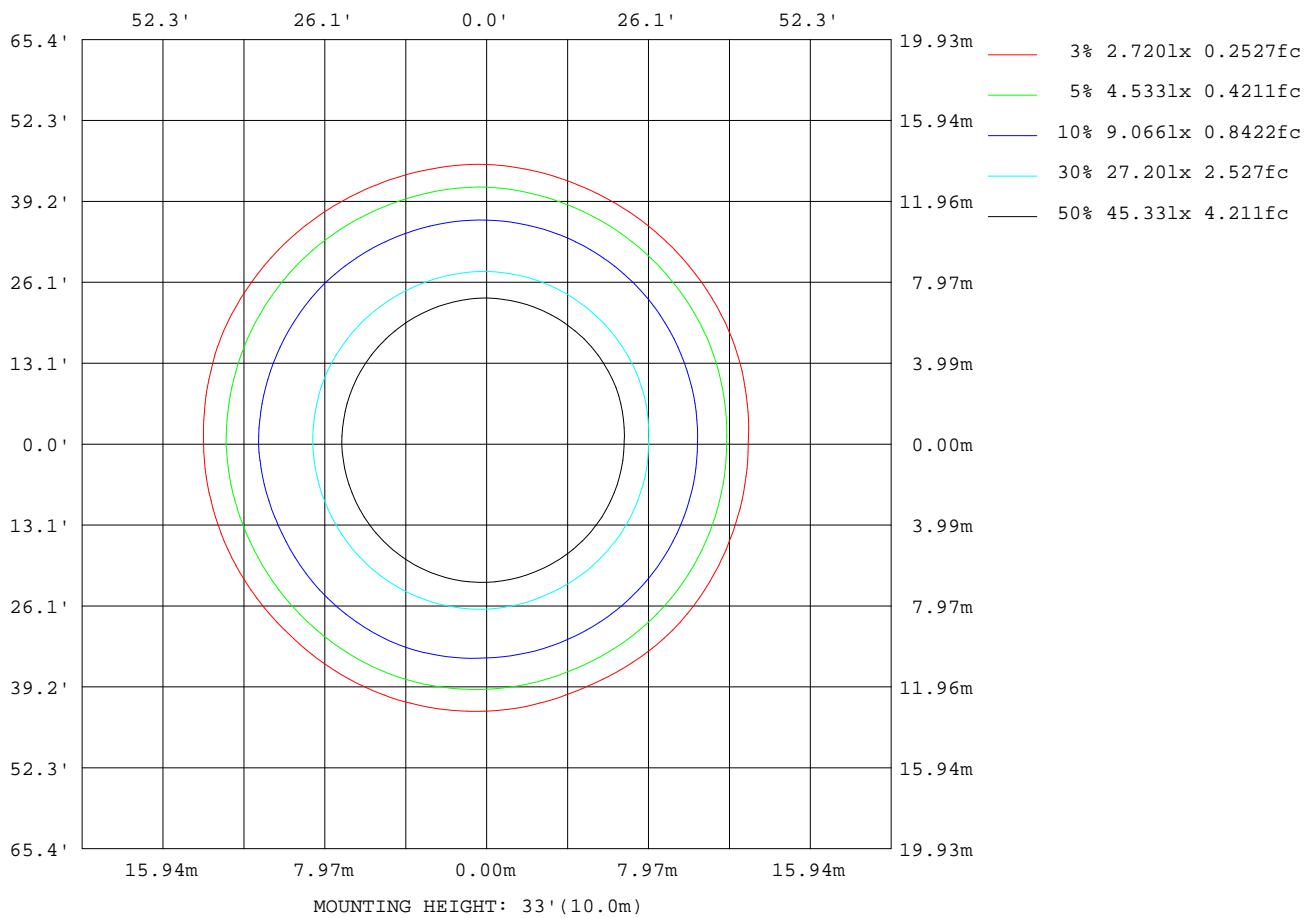
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

ISOLUX DIAGRAM

Test:U:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



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

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

LED Avg.L Report

Test:U:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

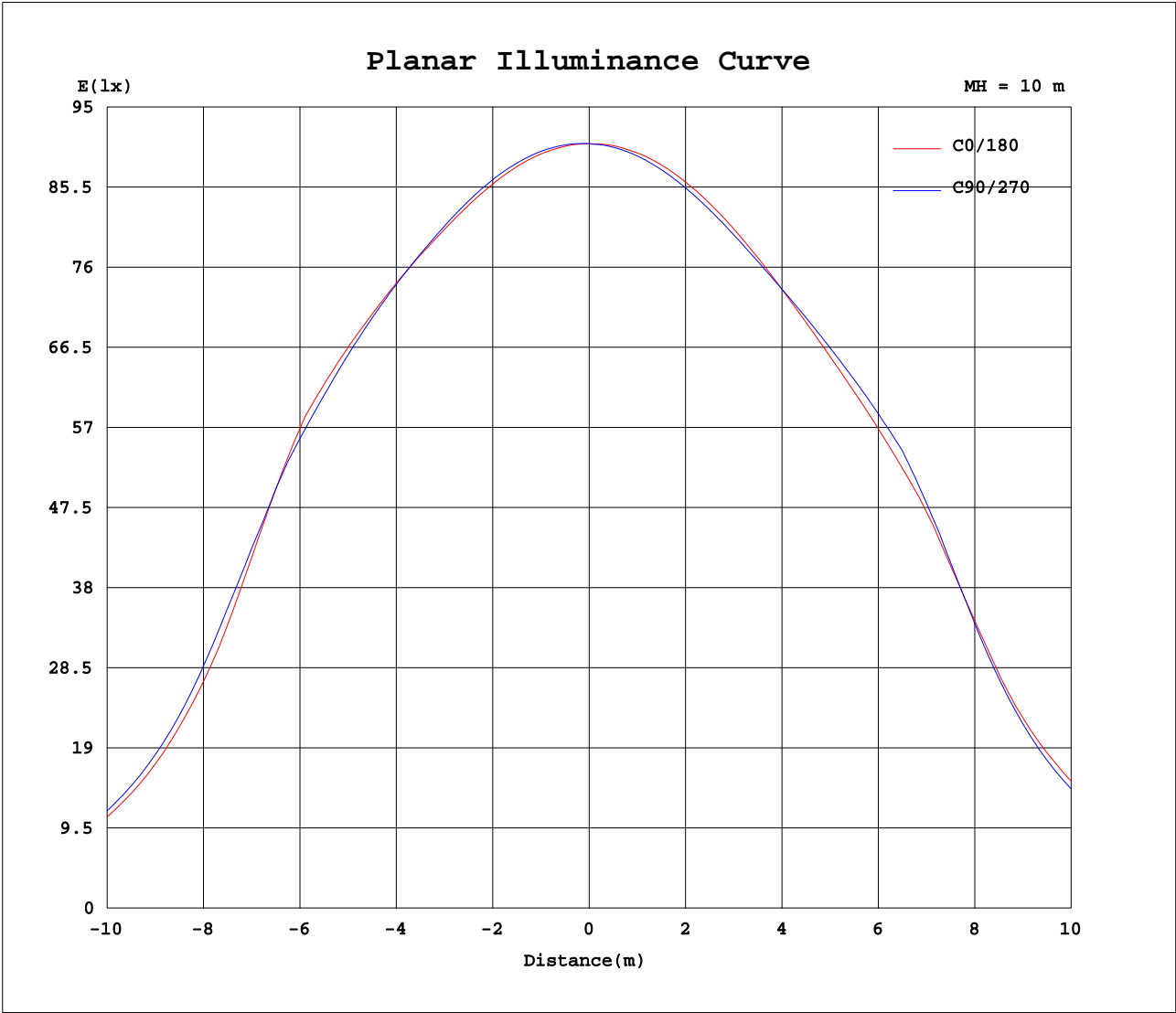
AvgL	cd/m2
L_0~180(65)av	23654
L_0~180(75)av	17101
L_0~180(85)av	9975
L_90~270(65)av	23409
L_90~270(75)av	19188
L_90~270(85)av	9501
L_45(65)av	24098
L_45(75)av	18984
L_45(85)av	9390

Standard: GB/T 29293-2012

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

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

Planar Illuminance Curve



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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm																		
NAME: ECOHB120LSE5G7 with PC Relfector									TYPE:Highbay					WEIGHT:				
SPEC.:DIP100W									DIM.: D290					SERIAL No.:				
MFR.: Eastfield									SUR.:D238					Shielding Angle:				

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066
5	9075	9079	9082	9086	9089	9092	9093	9094	9094	9095	9096	9097	9098	9099	9101	9102	9102	9102	9102
10	9099	9106	9112	9119	9125	9131	9133	9136	9139	9141	9143	9145	9147	9149	9151	9151	9150	9150	9150
15	9139	9148	9156	9165	9173	9180	9182	9185	9188	9191	9192	9192	9193	9193	9193	9193	9193	9193	9192
20	9224	9231	9237	9244	9250	9254	9253	9252	9251	9250	9247	9244	9241	9238	9236	9234	9233	9232	9231
25	9297	9292	9287	9283	9279	9272	9261	9251	9242	9232	9224	9218	9211	9204	9201	9205	9209	9212	9217
30	9157	9131	9106	9081	9057	9032	9008	8984	8960	8937	8922	8909	8896	8884	8881	8895	8910	8923	8939
35	7560	7532	7506	7482	7459	7440	7425	7412	7400	7390	7400	7414	7429	7445	7480	7550	7618	7686	7763
40	5029	4995	4962	4932	4902	4888	4890	4894	4898	4904	4919	4935	4952	4969	5011	5095	5179	5263	5344
45	3062	3048	3035	3024	3013	3009	3012	3015	3020	3026	3040	3056	3073	3090	3115	3151	3187	3225	3260
50	1610	1610	1610	1612	1614	1618	1625	1632	1640	1648	1653	1657	1663	1669	1688	1723	1759	1794	1830
55	917	915	914	912	911	912	916	919	923	928	919	911	902	894	893	902	911	921	930
60	567	570	573	577	580	584	589	595	600	605	602	598	595	591	594	604	614	624	634
65	373	378	383	388	393	396	395	395	394	395	394	393	393	392	395	400	406	411	417
70	266	268	271	273	275	273	267	261	255	250	252	256	259	263	267	271	276	280	285
75	170	176	182	188	195	197	194	192	190	187	190	193	196	198	201	203	206	208	212
80	55.6	56.2	56.9	57.5	58.2	58.3	57.8	57.2	56.8	56.3	57.6	59.1	60.6	62.1	64.4	67.5	71.0	74.7	77.5
85	32.2	31.9	31.6	31.3	31.1	30.6	30.0	29.3	28.7	28.1	28.7	29.3	29.8	30.4	31.1	32.0	32.9	33.7	34.4
90	20.5	20.2	19.8	19.4	19.1	18.7	18.3	18.0	17.6	17.2	17.5	17.7	18.0	18.3	18.6	19.0	19.4	19.8	20.3
95	20.5	20.2	19.9	19.6	19.3	19.1	18.8	18.5	18.2	17.9	17.9	17.9	17.9	17.8	17.7	17.6	17.4	17.3	17.1
100	10.7	10.5	10.4	10.3	10.3	10.4	10.6	10.8	11.1	11.4	11.8	12.2	12.7	13.2	13.7	14.6	15.6	15.4	17.5
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:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm																		
NAME: ECOHB120LSE5G7 with PC Relfector									TYPE:Highbay					WEIGHT:				
SPEC.:DIP100W									DIM.: D290					SERIAL No.:				
MFR.: Eastfield									SUR.:D238					Shielding Angle:				

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066
5	9102	9103	9103	9104	9104	9103	9101	9100	9098	9096	9095	9095	9094	9093	9091	9089	9087	9084	9085
10	9150	9150	9150	9150	9150	9149	9148	9146	9145	9144	9143	9142	9141	9139	9135	9131	9127	9123	9119
15	9192	9192	9192	9192	9191	9190	9189	9188	9187	9186	9185	9185	9184	9181	9176	9170	9164	9158	9154
20	9228	9225	9222	9219	9217	9215	9214	9213	9211	9208	9205	9201	9198	9194	9189	9183	9178	9172	9170
25	9215	9212	9209	9206	9205	9207	9209	9211	9212	9208	9202	9197	9191	9184	9177	9169	9162	9154	9158
30	8944	8950	8954	8959	8967	8983	8998	9013	9028	9038	9046	9055	9063	9066	9065	9064	9063	9061	9067
35	7807	7861	7904	7954	8005	8046	8089	8129	8170	8211	8251	8291	8329	8371	8415	8458	8499	8539	8557
40	5420	5491	5560	5631	5698	5762	5827	5890	5952	6004	6054	6103	6149	6207	6278	6348	6416	6482	6522
45	3335	3411	3488	3564	3621	3654	3685	3716	3747	3784	3822	3859	3895	3950	4029	4107	4183	4257	4271
50	1870	1911	1954	1996	2033	2065	2094	2124	2153	2185	2217	2247	2277	2319	2376	2432	2487	2541	2549
55	947	964	981	997	1009	1013	1017	1021	1026	1054	1084	1114	1143	1167	1185	1203	1220	1237	1262
60	650	666	682	698	705	700	695	691	686	703	720	738	755	770	782	793	805	816	822
65	422	428	433	438	443	445	448	450	453	460	466	472	479	485	493	501	508	515	519
70	285	286	286	286	288	292	296	300	304	307	311	314	318	322	328	333	338	343	347
75	207	203	199	196	195	198	201	204	208	209	210	211	212	214	216	219	221	223	228
80	81.5	84.4	88.0	91.7	96.5	103	109	115	121	123	125	126	128	131	134	138	142	145	147
85	35.2	35.9	36.7	37.4	38.1	38.7	39.2	39.8	40.3	40.4	40.3	40.3	40.3	40.8	41.9	42.9	44.0	45.0	44.9
90	20.3	20.3	20.3	20.4	20.4	20.3	20.3	20.3	20.3	20.2	20.1	20.0	19.8	20.1	20.8	21.4	22.1	22.7	22.9
95	16.8	16.6	16.3	16.0	15.9	15.8	15.8	15.7	15.7	15.6	15.4	15.3	15.2	15.1	15.2	15.2	15.3	15.3	15.8
100	16.1	16.8	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.4	17.2	17.0	16.9	16.9	17.0	17.1	17.2	17.3	17.7
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:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm																		
NAME: ECOHB120LSE5G7 with PC Relfector									TYPE:Highbay					WEIGHT:				
SPEC.:DIP100W									DIM.: D290					SERIAL No.:				
MFR.: Eastfield									SUR.:D238					Shielding Angle:				

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066
5	9085	9085	9084	9081	9077	9074	9070	9068	9066	9064	9063	9061	9059	9058	9056	9054	9054	9053	9052
10	9116	9112	9109	9104	9099	9093	9088	9083	9080	9076	9073	9070	9067	9064	9061	9058	9056	9054	9053
15	9149	9144	9139	9133	9125	9118	9110	9103	9099	9094	9090	9086	9083	9080	9078	9076	9074	9073	9073
20	9168	9166	9164	9160	9155	9150	9145	9141	9138	9135	9132	9129	9129	9129	9130	9131	9132	9134	9135
25	9161	9165	9168	9172	9175	9178	9181	9185	9190	9196	9201	9207	9216	9225	9234	9244	9252	9253	9255
30	9074	9080	9086	9095	9105	9116	9126	9137	9154	9170	9188	9205	9226	9249	9272	9294	9315	9317	9322
35	8574	8591	8606	8617	8623	8629	8633	8638	8651	8664	8675	8686	8694	8704	8716	8724	8735	8705	8682
40	6560	6596	6631	6638	6622	6604	6585	6563	6529	6493	6457	6420	6400	6391	6380	6368	6349	6293	6235
45	4284	4295	4304	4300	4284	4267	4249	4230	4203	4176	4148	4119	4095	4072	4048	4024	3998	3960	3920
50	2555	2560	2564	2565	2564	2561	2557	2551	2526	2500	2475	2448	2427	2408	2389	2372	2350	2306	2257
55	1286	1310	1333	1338	1328	1318	1307	1295	1280	1264	1248	1232	1217	1204	1192	1180	1160	1142	1118
60	829	835	841	842	839	836	833	829	812	795	778	760	751	747	743	739	733	725	715
65	523	526	530	532	532	533	533	532	520	508	496	484	476	473	469	466	461	458	456
70	351	355	359	360	361	361	360	360	352	345	337	330	324	321	317	314	310	306	303
75	232	236	241	243	244	245	246	247	245	244	242	240	238	236	234	232	229	229	230
80	149	151	153	152	149	146	143	140	135	131	126	122	117	112	107	103	97.0	95.1	91.9
85	44.7	44.6	44.4	43.9	43.2	42.4	41.6	40.8	40.4	39.9	39.5	39.0	38.8	38.9	39.0	39.1	39.1	38.9	38.6
90	23.1	23.2	23.4	23.2	22.6	22.1	21.5	21.0	21.0	21.1	21.2	21.2	21.5	21.9	22.3	22.8	23.3	23.2	23.2
95	16.2	16.6	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.4	19.7	20.1	20.6	21.1	21.6	22.1	22.5	22.9
100	18.1	18.5	18.9	19.3	19.5	19.7	19.9	20.2	20.2	20.2	20.2	20.2	20.3	20.5	19.9	19.2	21.3	18.9	19.6
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.71V I:0.4273A P:100.30W PF:0.9751 Freq:49.99Hz Lamp Flux:17277.6x1 lm																	
NAME: ECOHB120LSE5G7 with PC Relfector									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	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066	9066				
5	9051	9051	9050	9049	9049	9049	9050	9052	9053	9055	9058	9061	9064	9068	9071				
10	9052	9050	9050	9050	9050	9049	9051	9054	9058	9061	9065	9071	9078	9085	9092				
15	9072	9071	9071	9070	9070	9070	9071	9076	9081	9086	9091	9099	9109	9119	9129				
20	9137	9138	9141	9144	9147	9150	9154	9160	9166	9172	9178	9186	9196	9205	9215				
25	9256	9257	9262	9268	9273	9279	9285	9287	9290	9292	9295	9296	9296	9296	9297				
30	9325	9329	9332	9335	9338	9341	9343	9333	9323	9313	9303	9282	9250	9219	9188				
35	8659	8634	8590	8541	8496	8449	8400	8329	8259	8191	8124	8028	7909	7790	7674				
40	6178	6120	6051	5973	5894	5817	5741	5665	5590	5517	5446	5365	5278	5193	5110				
45	3880	3843	3789	3724	3661	3599	3538	3470	3404	3339	3275	3223	3181	3140	3101				
50	2210	2162	2116	2072	2029	1986	1944	1908	1873	1840	1807	1770	1729	1688	1649				
55	1094	1071	1055	1046	1039	1032	1024	1010	995	981	968	956	946	936	927				
60	706	697	689	682	675	669	662	655	648	641	635	624	610	595	581				
65	452	449	445	441	437	433	429	427	426	424	423	416	405	394	383				
70	299	295	293	291	290	289	288	285	281	278	275	272	271	269	268				
75	230	230	230	230	230	231	230	226	221	217	212	205	196	187	178				
80	88.9	86.3	82.9	78.8	74.8	71.0	67.4	65.8	64.4	63.0	61.7	60.4	59.1	57.9	56.7				
85	38.3	38.1	37.8	37.4	37.0	36.5	36.1	35.6	35.2	34.8	34.4	34.0	33.5	33.1	32.6				
90	23.2	23.2	23.0	22.6	22.3	22.0	21.7	21.8	22.0	22.2	22.3	22.2	21.8	21.4	21.0				
95	23.3	23.6	23.7	23.7	23.6	23.6	23.7	23.7	23.6	23.6	23.6	23.3	22.6	21.9	21.2				
100	18.7	18.0	17.4	16.6	15.8	15.1	14.4	13.9	13.3	12.9	12.5	12.1	11.6	11.2	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				
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: