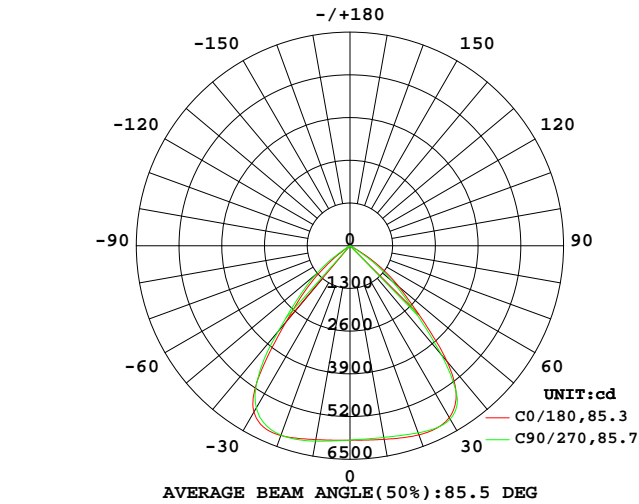


LUMINAIRE PHOTOMETRIC TEST REPORT

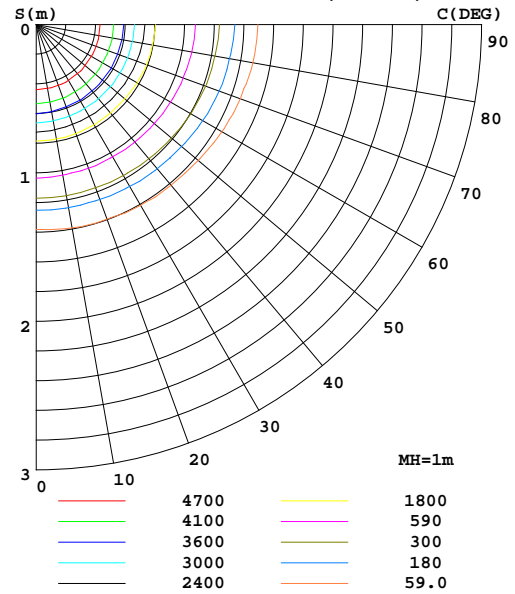
Test:U:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm					
NAME: ECOHB120LSE5G7 with AL Reflector			TYPE:Highbay		WEIGHT:
SPEC.:DIP60W			DIM.: D290		SERIAL No.:
MFR.: Eastfield			SUR.:D238		Shielding Angle:

DATA OF LAMP			PHOTOMETRIC DATA			Eff: 181.09 lm/W
MODEL	1		Imax(cd)	6166	S/MH(C0/180)	1.30
NOMINAL POWER(W)	120		LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	240		TOTAL FLUX(lm)	10894	η UP,DN(C0-180)	0.0,48.2
NOMINAL FLUX(lm)	10894.5		CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.8
LAMPS INSIDE	1		η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	240		η down(%)	100.0	CIBSE SHR MAX	1.25

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	5990	6028	6036	6016	5982	5939	5923	5934	0- 10	567.8	567.8	5.21,5.21
20	6145	6140	6132	6158	6124	6069	6059	6081	10- 20	1717	2285	21,21
30	5843	5658	5700	5934	6038	6069	6093	6034	20- 30	2811	5096	46.8,46.8
40	3040	3025	3387	4093	4587	4622	4326	3733	30- 40	3194	8289	76.1,76.1
50	972.0	1081	1351	1641	1951	1893	1677	1303	40- 50	1930	10220	93.8,93.8
60	57.10	65.75	87.92	144.8	277.5	221.4	125.8	76.91	50- 60	615.3	10835	99.5,99.5
70	13.22	14.37	15.59	23.07	28.73	18.93	12.48	11.99	60- 70	47.33	10883	99.9,99.9
80	2.250	2.600	3.388	6.483	8.589	4.594	2.264	1.585	70- 80	10.23	10893	100,100
90	0	0	0	0	0	0	0	0	80- 90	1.245	10894	100,100
100	0	0	0	0	0	0	0	0	90-100	0	10894	100,100
110	0	0	0	0	0	0	0	0	100-110	0	10894	100,100
120	0	0	0	0	0	0	0	0	110-120	0	10894	100,100
130	0	0	0	0	0	0	0	0	120-130	0	10894	100,100
140	0	0	0	0	0	0	0	0	130-140	0	10894	100,100
150	0	0	0	0	0	0	0	0	140-150	0	10894	100,100
160	0	0	0	0	0	0	0	0	150-160	0	10894	100,100
170	0	0	0	0	0	0	0	0	160-170	0	10894	100,100
180	0	0	0	0	0	0	0	0	170-180	0	10894	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 9436.2 lm

%lum = 86.6%

%lamp = 86.6%

Conical surface Flux(120deg): 10835 lm

%lum = 99.5%

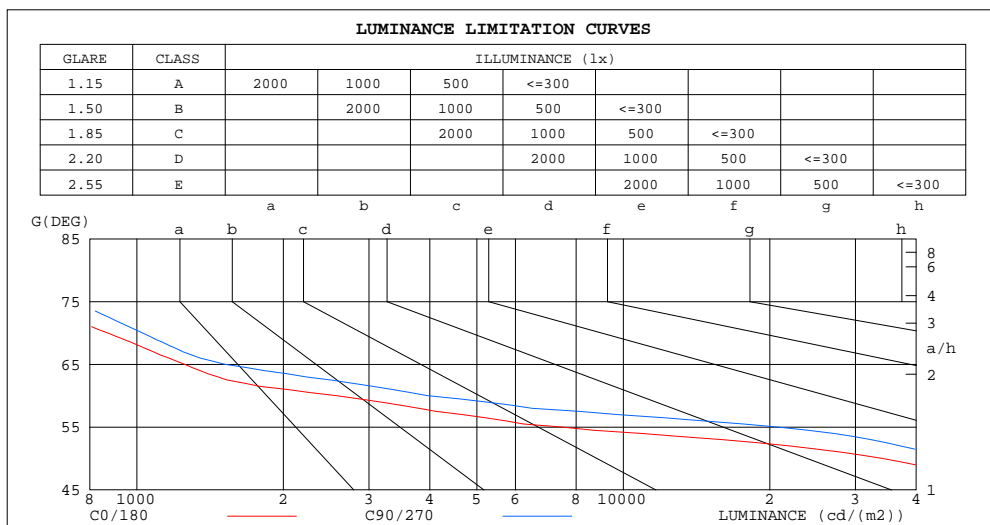
%lamp = 99.5%

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:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm		
NAME: ECOHB120LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2	69
80	292	439
75	559	739
70	871	1027
65	1254	1516
60	2572	3960
55	7469	20740
50	34056	47347
45	61025	69861

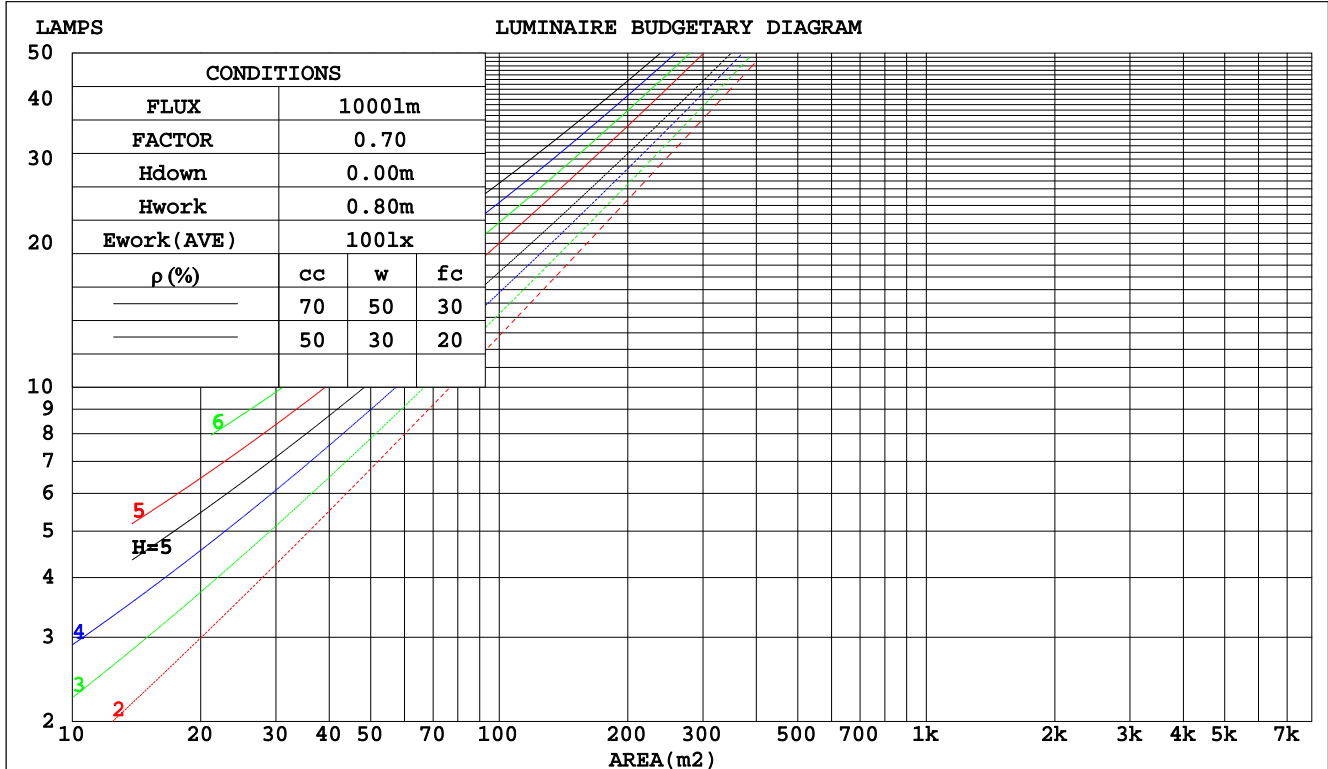
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm		
NAME: ECOHB120LSE5G7 with AL 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						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	1.06	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.98	.96	.96	.94	.93	.91
2.0	.00	.95	.91	.98	.94	.90	.95	.91	.88	.92	.89	.86	.89	.86	.84	.83
3.0	.91	.85	.81	.90	.84	.80	.87	.82	.79	.85	.81	.77	.82	.79	.76	.74
4.0	.83	.77	.72	.82	.76	.71	.80	.75	.70	.78	.73	.70	.76	.72	.69	.67
5.0	.76	.69	.64	.75	.69	.64	.74	.68	.63	.72	.67	.63	.70	.66	.62	.61
6.0	.70	.63	.58	.69	.63	.58	.68	.62	.57	.66	.61	.57	.65	.60	.57	.55
7.0	.65	.58	.53	.64	.57	.52	.63	.57	.52	.61	.56	.52	.60	.55	.51	.50
8.0	.60	.53	.48	.59	.52	.48	.58	.52	.47	.57	.51	.47	.56	.51	.47	.45
9.0	.55	.48	.44	.55	.48	.44	.54	.48	.43	.53	.47	.43	.52	.47	.43	.42
10.0	.51	.45	.40	.51	.44	.40	.50	.44	.40	.49	.44	.40	.48	.43	.40	.38



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:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm					
NAME: ECOHB120LSE5G7 with AL 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	.206	.117	.037	.199	.113	.036	.186	.107	.034	.174	.101	.032	.164	.095	.031	
2.0	.201	.110	.034	.196	.108	.033	.185	.103	.032	.175	.098	.031	.165	.094	.029	
3.0	.194	.103	.031	.189	.101	.030	.180	.097	.030	.171	.094	.029	.163	.090	.028	
4.0	.186	.097	.028	.181	.095	.028	.173	.092	.027	.165	.089	.027	.158	.086	.026	
5.0	.177	.090	.026	.174	.089	.026	.166	.087	.025	.159	.084	.025	.153	.082	.025	
6.0	.169	.085	.024	.166	.084	.024	.159	.082	.024	.153	.080	.023	.148	.078	.023	
7.0	.161	.080	.023	.158	.079	.022	.153	.077	.022	.147	.075	.022	.142	.074	.022	
8.0	.154	.075	.021	.151	.074	.021	.146	.073	.021	.141	.071	.021	.137	.070	.020	
9.0	.147	.071	.020	.144	.070	.020	.140	.069	.020	.135	.068	.019	.131	.067	.019	
10.0	.140	.067	.019	.138	.067	.019	.134	.066	.018	.130	.064	.018	.126	.063	.018	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.150	.114	.085	.128	.098	.074	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.041	.048	.035	.025	.016	.011	.008	
5.0	.134	.088	.055	.115	.077	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.127	.080	.046	.109	.069	.040	.075	.048	.028	.044	.028	.017	.014	.009	.006	
7.0	.121	.072	.038	.104	.063	.033	.072	.044	.024	.042	.026	.014	.014	.008	.005	
8.0	.116	.067	.033	.100	.058	.029	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.096	.053	.025	.066	.038	.018	.039	.022	.010	.012	.007	.003	
10.0	.106	.057	.025	.092	.050	.022	.064	.035	.015	.037	.021	.009	.012	.007	.003	

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

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

UGR(Unified Glare Rating) Table

Test:U:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm										
NAME: ECOHB120LSE5G7 with AL Relfector					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	22.8	24.0	23.0	24.1	24.3	23.3	24.5	23.6	24.7	24.8
3H	22.6	23.7	22.9	23.9	24.1	23.1	24.2	23.4	24.4	24.6
4H	22.5	23.5	22.8	23.8	24.0	23.0	24.0	23.3	24.3	24.5
6H	22.4	23.4	22.7	23.6	23.9	22.9	23.9	23.2	24.1	24.4
8H	22.4	23.3	22.7	23.5	23.8	22.9	23.8	23.2	24.1	24.3
12H	22.3	23.2	22.7	23.5	23.7	22.8	23.7	23.2	24.0	24.3
4H 2H	22.5	23.5	22.8	23.8	24.0	23.0	24.0	23.3	24.3	24.5
3H	22.4	23.2	22.7	23.5	23.8	22.9	23.7	23.2	24.0	24.3
4H	22.3	23.0	22.6	23.3	23.7	22.8	23.5	23.1	23.8	24.2
6H	22.2	22.8	22.6	23.2	23.5	22.7	23.3	23.1	23.7	24.0
8H	22.1	22.7	22.5	23.1	23.5	22.6	23.2	23.0	23.6	24.0
12H	22.1	22.6	22.5	23.0	23.4	22.6	23.1	23.0	23.5	23.9
8H 4H	22.1	22.7	22.5	23.1	23.5	22.6	23.2	23.0	23.6	24.0
6H	22.0	22.5	22.5	22.9	23.4	22.5	23.0	23.0	23.4	23.9
8H	22.0	22.4	22.4	22.8	23.3	22.5	22.9	22.9	23.4	23.8
12H	21.9	22.3	22.4	22.8	23.2	22.4	22.8	22.9	23.3	23.7
12H 4H	22.1	22.6	22.5	23.0	23.4	22.6	23.1	23.0	23.5	23.9
6H	22.0	22.4	22.4	22.8	23.3	22.5	22.9	22.9	23.4	23.8
8H	21.9	22.3	22.4	22.8	23.2	22.4	22.8	22.9	23.3	23.7
Variations with the observer position at spacings:										
S = 1.0H	+ 2.7 / -14.7					+ 2.8 / -13.0				
1.5H	+ 3.6 / -11.0					+ 3.4 / - 9.3				
2.0H	+ 6.2 / -16.7					+ 5.8 / -17.4				

CIE Pub.117, 10894 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:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm		
NAME: ECOHB120LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

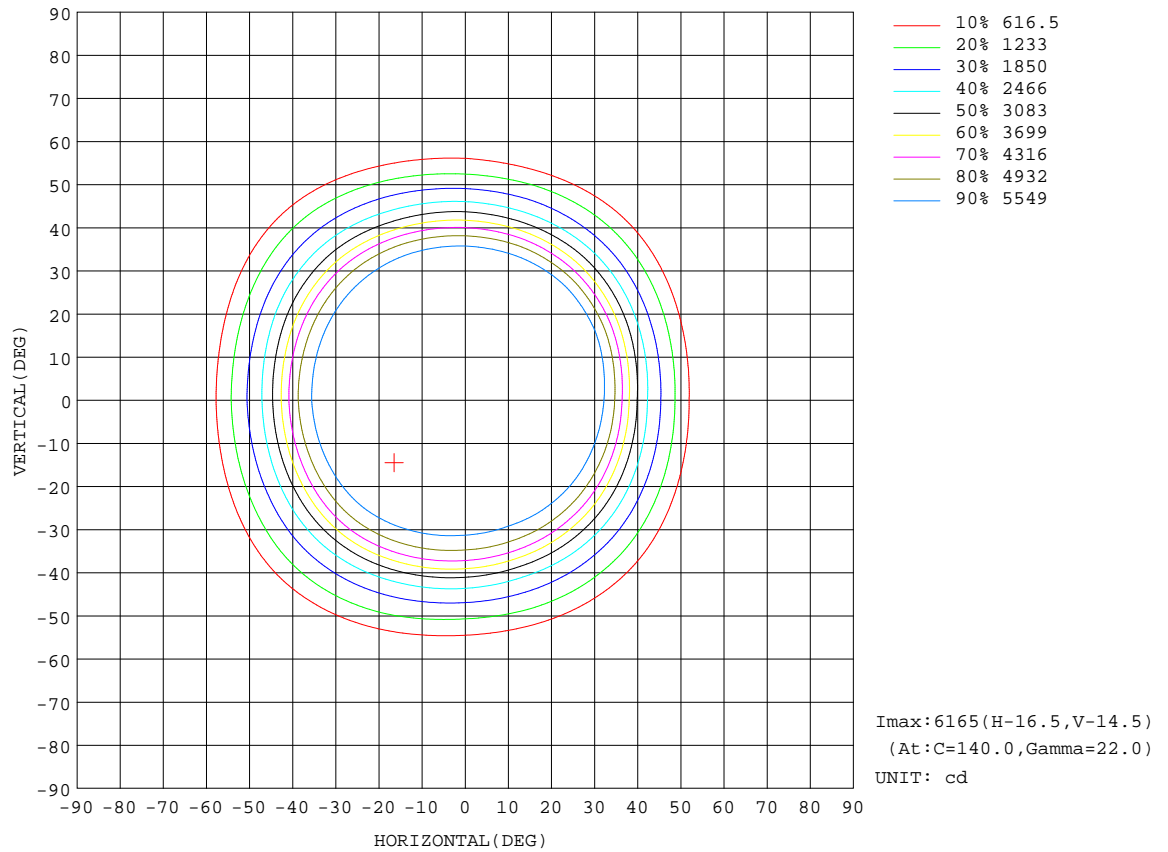
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	76	68	63	75	67	63	74	67	62	58
0.80	85	78	73	85	77	72	83	77	72	67
1.00	92	85	80	91	85	80	90	85	80	75
1.25	98	91	87	97	91	86	95	89	86	81
1.50	101	95	91	100	95	91	98	93	90	84
2.00	106	100	97	104	99	96	101	97	94	89
2.50	108	103	99	106	102	98	103	99	97	90
3.00	110	106	102	108	104	101	104	101	99	92
4.00	112	108	106	110	107	104	106	104	102	94
5.00	113	110	108	111	108	106	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

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

ISOCANDELA DIAGRAM

Test:U:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm		
NAME: ECOHB120LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

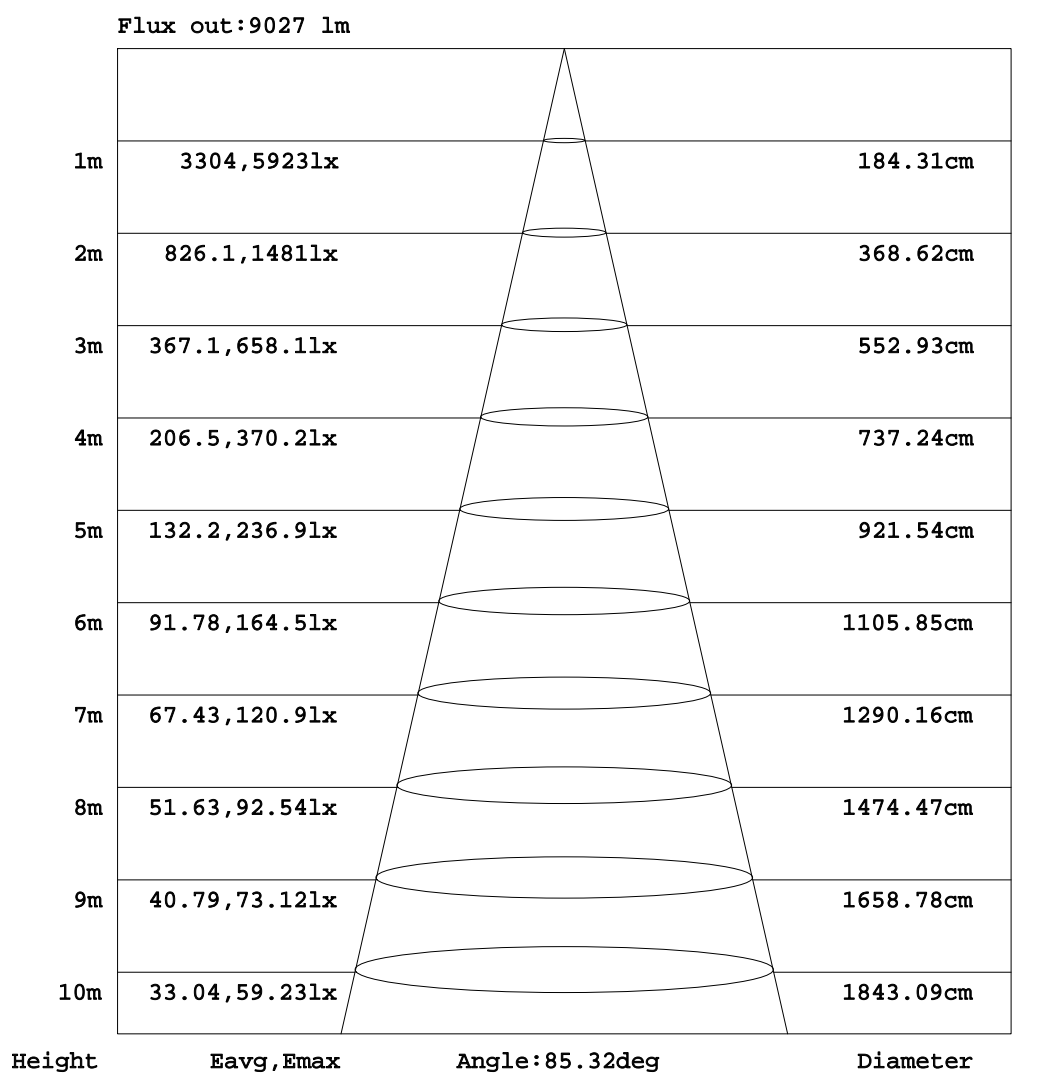


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm		
NAME: ECOHB120LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



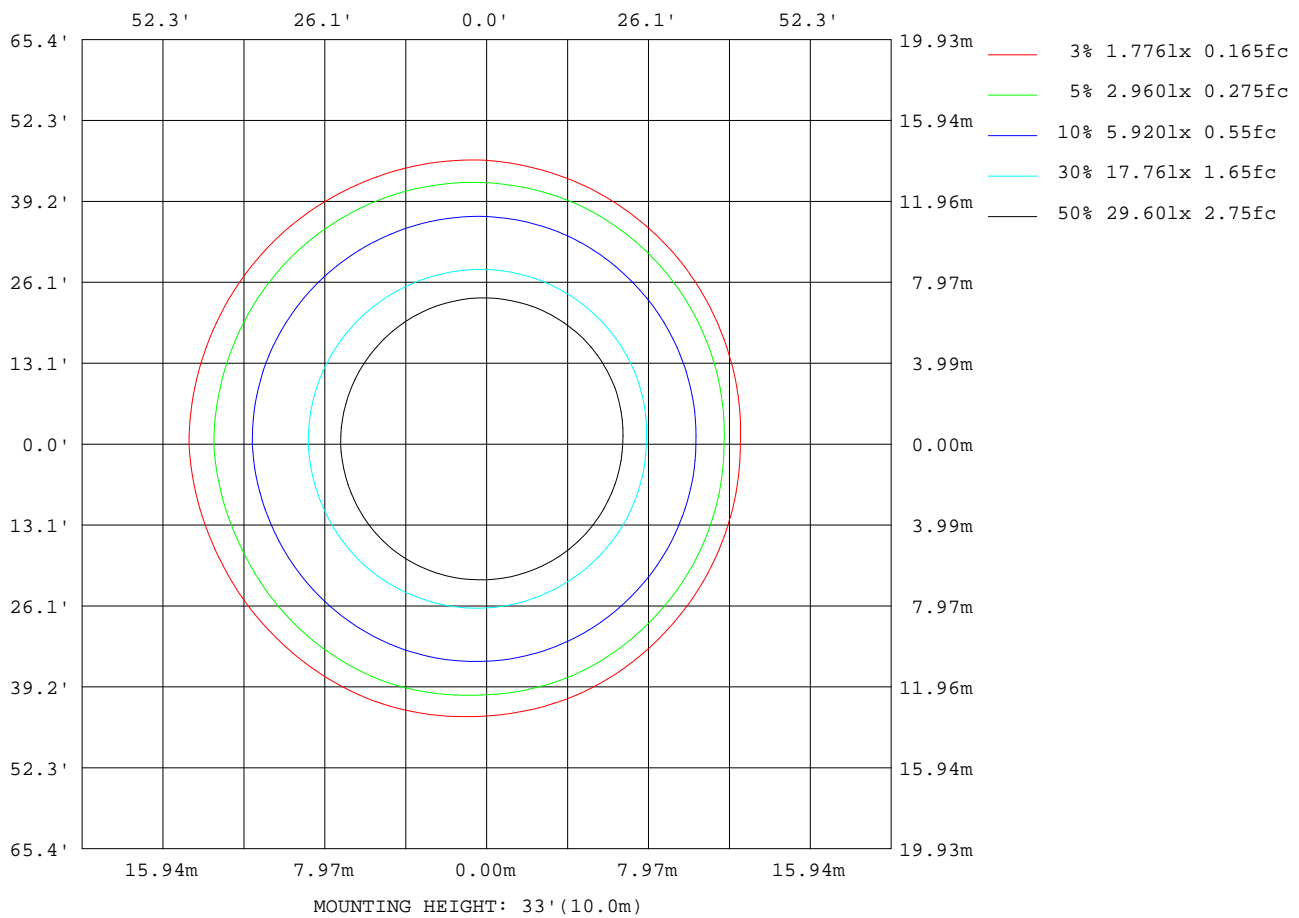
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm		
NAME: ECOHB120LSE5G7 with AL 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:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm		
NAME: ECOHB120LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP60W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

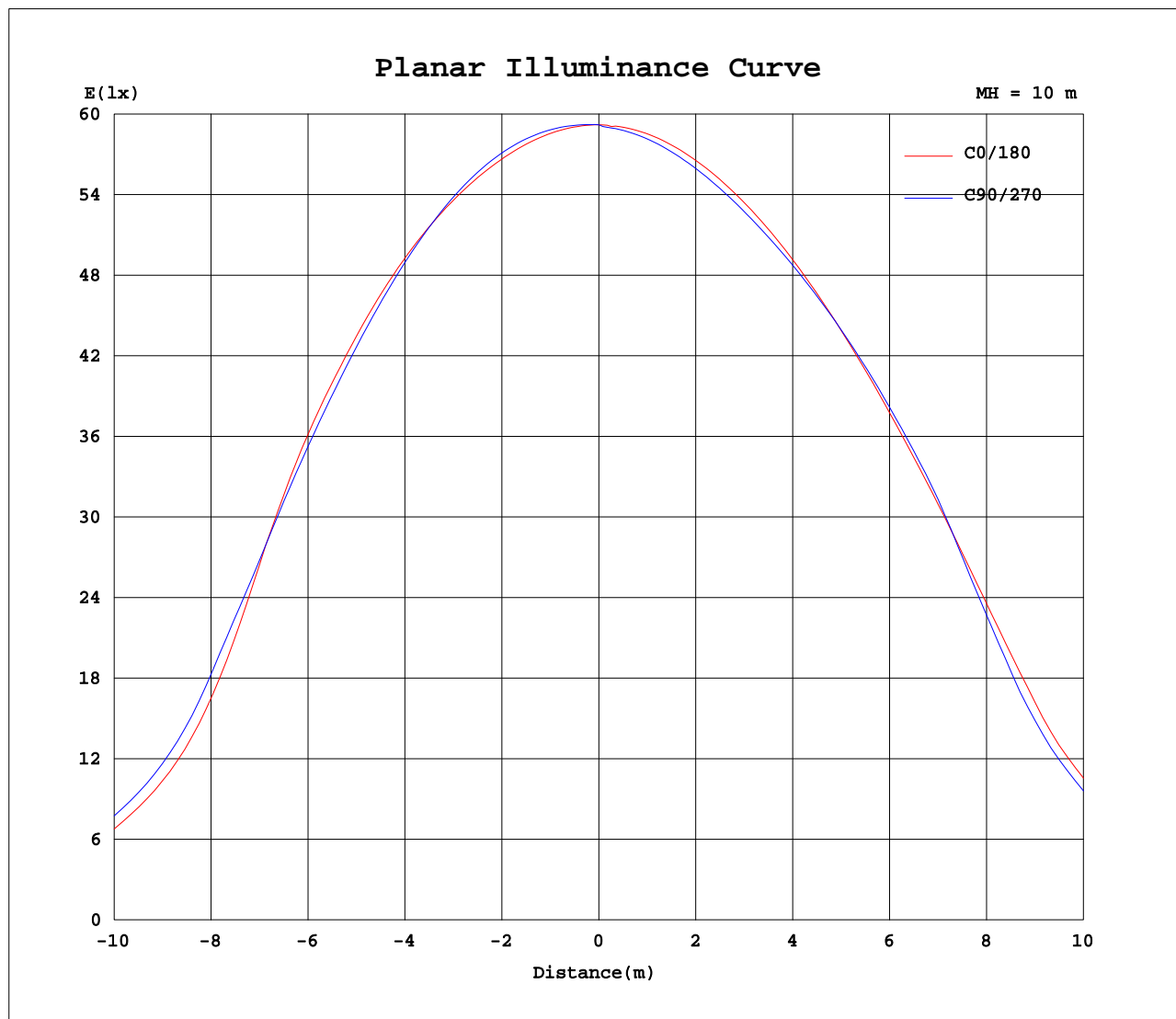
AvgL	cd/m2
L_0~180(65)av	2567
L_0~180(75)av	1007
L_0~180(85)av	359
L_90~270(65)av	1588
L_90~270(75)av	643
L_90~270(85)av	35
L_45(65)av	2031
L_45(75)av	797
L_45(85)av	149

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:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm																		
NAME: ECOHB120LSE5G7 with AL 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	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920
5	5938	5941	5944	5946	5948	5951	5953	5954	5956	5957	5959	5960	5961	5961	5962	5963	5963	5963	5962
10	5990	5995	6000	6005	6010	6014	6018	6021	6025	6028	6031	6033	6034	6036	6037	6038	6038	6037	6036
15	6069	6075	6080	6085	6090	6095	6098	6100	6103	6105	6107	6108	6109	6110	6111	6111	6110	6110	6109
20	6145	6146	6147	6148	6149	6150	6147	6144	6142	6140	6138	6135	6134	6132	6131	6130	6131	6131	6132
25	6126	6117	6108	6099	6091	6082	6071	6061	6050	6041	6033	6027	6021	6016	6011	6016	6023	6029	6036
30	5843	5816	5790	5766	5743	5723	5705	5688	5672	5658	5651	5645	5641	5637	5635	5650	5666	5682	5700
35	4809	4774	4743	4716	4691	4672	4659	4648	4641	4635	4648	4669	4688	4708	4730	4765	4800	4835	4871
40	3040	3028	3020	3014	3012	3011	3012	3014	3019	3025	3044	3069	3095	3122	3155	3210	3268	3329	3387
45	1916	1906	1898	1893	1889	1890	1896	1904	1913	1924	1944	1967	1990	2014	2040	2076	2114	2154	2193
50	972	975	980	988	997	1009	1025	1042	1061	1081	1111	1144	1178	1213	1245	1270	1296	1323	1351
55	190	198	207	218	229	241	249	259	269	281	301	327	353	382	410	436	465	496	528
60	57.1	57.2	57.4	57.8	58.3	59.2	60.7	62.3	63.9	65.8	67.7	69.9	72.2	74.6	77.1	79.7	82.4	85.1	87.9
65	23.5	23.7	23.9	24.1	24.3	24.5	24.6	24.7	24.9	25.0	25.2	25.3	25.5	25.7	26.0	26.5	27.1	27.8	28.5
70	13.2	13.4	13.5	13.7	13.9	14.0	14.1	14.2	14.2	14.4	14.4	14.5	14.6	14.7	14.8	15.0	15.2	15.4	15.6
75	6.42	6.51	6.61	6.72	6.85	6.96	7.04	7.13	7.23	7.34	7.41	7.50	7.59	7.68	7.81	7.98	8.15	8.33	8.49
80	2.25	2.31	2.38	2.45	2.54	2.58	2.58	2.58	2.59	2.60	2.58	2.57	2.58	2.61	2.70	2.87	3.04	3.21	3.39
85	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.06	0.10	0.21	0.33	0.44	0.46	0.44	0.37	0.27
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm		
NAME: ECOHB120LSE5G7 with AL 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	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920
5	5961	5960	5959	5958	5957	5956	5955	5953	5950	5947	5945	5942	5939	5936	5935	5935	5935	5936	5933
10	6035	6034	6032	6031	6029	6027	6023	6020	6016	6013	6008	6003	5999	5995	5991	5988	5985	5982	5977
15	6108	6108	6107	6107	6106	6105	6102	6100	6097	6094	6089	6084	6079	6074	6068	6063	6057	6052	6044
20	6132	6137	6141	6145	6149	6151	6154	6156	6158	6158	6155	6152	6150	6147	6141	6135	6130	6124	6116
25	6044	6057	6070	6082	6094	6106	6117	6127	6137	6143	6145	6148	6150	6151	6151	6150	6150	6149	6144
30	5721	5749	5776	5803	5829	5857	5884	5910	5934	5952	5964	5976	5987	5998	6009	6019	6029	6038	6041
35	4917	4973	5027	5080	5133	5189	5245	5297	5347	5387	5420	5452	5482	5511	5543	5574	5602	5629	5641
40	3459	3532	3605	3679	3755	3842	3928	4013	4093	4156	4212	4263	4311	4363	4424	4482	4536	4587	4605
45	2234	2272	2311	2350	2390	2437	2484	2530	2576	2622	2668	2713	2757	2803	2853	2900	2944	2985	3014
50	1389	1431	1472	1512	1547	1572	1596	1618	1641	1669	1698	1726	1752	1786	1830	1872	1913	1951	1957
55	569	609	650	691	727	755	783	810	835	865	894	920	945	975	1012	1047	1080	1111	1108
60	94.0	98.1	102	106	110	118	126	134	145	156	170	185	201	217	234	250	264	277	278
65	30.1	31.9	33.6	35.4	37.6	40.3	43.0	45.7	48.7	51.4	54.0	56.5	59.0	61.7	64.7	67.5	70.2	72.8	72.1
70	16.2	16.8	17.5	18.1	18.9	20.0	21.0	22.0	23.1	24.0	24.9	25.7	26.6	27.2	27.6	28.0	28.4	28.7	27.9
75	8.88	9.27	9.68	10.1	10.6	11.3	12.0	12.7	13.4	13.9	14.5	15.0	15.6	15.9	16.2	16.4	16.6	16.7	16.1
80	3.66	3.94	4.22	4.50	4.84	5.25	5.66	6.07	6.48	6.83	7.16	7.50	7.82	8.07	8.22	8.36	8.48	8.59	8.19
85	0.26	0.29	0.34	0.42	0.58	0.81	1.04	1.27	1.50	1.71	1.91	2.10	2.28	2.42	2.52	2.62	2.70	2.77	2.58
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm																		
NAME: ECOHB120LSE5G7 with AL 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	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920
5	5930	5928	5925	5922	5919	5916	5913	5911	5909	5907	5906	5904	5903	5902	5901	5901	5901	5901	5901
10	5972	5967	5962	5957	5952	5947	5943	5939	5936	5933	5930	5928	5926	5925	5923	5922	5923	5923	5923
15	6037	6030	6023	6017	6011	6005	5999	5995	5991	5988	5984	5982	5981	5979	5978	5977	5977	5978	5979
20	6109	6101	6094	6088	6083	6078	6073	6069	6067	6065	6064	6062	6061	6060	6059	6058	6059	6060	6061
25	6140	6135	6130	6129	6128	6127	6127	6127	6129	6130	6132	6133	6133	6133	6134	6134	6134	6133	6132
30	6043	6045	6047	6051	6056	6060	6065	6069	6075	6080	6086	6091	6092	6093	6094	6096	6093	6084	6077
35	5651	5661	5669	5677	5685	5691	5697	5702	5707	5712	5715	5718	5716	5713	5710	5705	5697	5669	5647
40	4619	4630	4638	4642	4643	4640	4634	4622	4600	4573	4543	4511	4478	4443	4407	4368	4326	4265	4208
45	3040	3062	3082	3082	3070	3056	3039	3016	2978	2938	2897	2855	2829	2806	2781	2756	2718	2671	2620
50	1960	1961	1960	1952	1940	1926	1910	1893	1875	1856	1836	1816	1792	1765	1737	1708	1677	1642	1607
55	1103	1097	1089	1080	1071	1060	1047	1031	1007	982	956	930	905	881	857	832	805	759	712
60	277	275	272	266	256	245	232	221	206	197	185	175	165	155	145	137	126	120	115
65	71.2	70.2	69.0	67.0	64.6	62.0	59.2	56.4	53.6	50.9	48.0	45.2	42.2	39.3	36.5	33.8	31.1	29.5	28.0
70	27.1	26.2	25.4	24.2	22.9	21.6	20.2	18.9	18.0	17.0	16.1	15.1	14.5	14.0	13.5	12.9	12.5	12.3	12.1
75	15.5	14.9	14.2	13.5	12.6	11.8	10.9	10.1	9.56	9.02	8.48	7.94	7.54	7.22	6.91	6.60	6.30	6.18	6.06
80	7.78	7.35	6.92	6.46	6.00	5.53	5.06	4.59	4.28	3.96	3.65	3.34	3.08	2.87	2.67	2.46	2.26	2.15	2.03
85	2.39	2.18	1.96	1.74	1.50	1.26	1.02	0.78	0.62	0.46	0.32	0.20	0.12	0.07	0.03	0.01	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.85V I:0.2645A P:60.157W PF:0.9442 Freq:49.99Hz Lamp Flux:10894.5x1 lm																	
NAME: ECOHB120LSE5G7 with AL 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	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920	5920				
5	5901	5901	5901	5901	5902	5903	5904	5906	5907	5908	5913	5918	5923	5928	5933				
10	5923	5925	5926	5927	5929	5931	5934	5937	5941	5944	5949	5957	5965	5974	5982				
15	5979	5981	5984	5986	5988	5991	5996	6001	6007	6012	6018	6028	6039	6049	6059				
20	6061	6063	6067	6070	6073	6077	6081	6087	6093	6098	6103	6112	6120	6129	6137				
25	6130	6129	6130	6132	6133	6134	6136	6137	6139	6140	6141	6139	6136	6133	6129				
30	6069	6062	6057	6052	6047	6042	6034	6022	6010	5998	5986	5961	5931	5901	5872				
35	5626	5605	5578	5549	5521	5488	5449	5390	5332	5276	5221	5143	5055	4969	4887				
40	4151	4095	4020	3943	3871	3802	3733	3653	3578	3506	3439	3359	3273	3192	3114				
45	2573	2526	2474	2422	2370	2321	2273	2222	2174	2128	2085	2046	2010	1976	1945				
50	1573	1540	1494	1444	1395	1348	1303	1260	1218	1177	1138	1100	1065	1032	1001				
55	665	617	569	523	481	439	405	369	337	307	278	255	237	220	205				
60	109	104	97.7	91.4	85.9	81.0	76.9	73.9	71.1	68.5	66.1	63.9	61.9	60.1	58.5				
65	26.6	25.3	24.2	23.5	22.9	22.5	22.4	22.4	22.6	22.8	23.0	23.1	23.2	23.2	23.4				
70	12.0	11.8	11.8	11.8	11.9	11.9	12.0	12.1	12.3	12.5	12.7	12.8	12.9	13.0	13.1				
75	5.95	5.83	5.78	5.78	5.78	5.78	5.80	5.89	5.99	6.09	6.20	6.26	6.28	6.32	6.36				
80	1.92	1.80	1.73	1.69	1.65	1.62	1.58	1.65	1.72	1.79	1.87	1.95	2.02	2.09	2.17				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.01				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
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
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γ Range: 0 - 100DEG
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