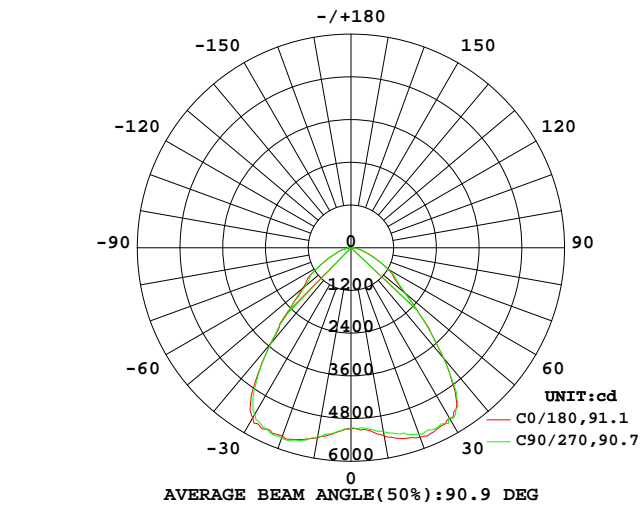


LUMINAIRE PHOTOMETRIC TEST REPORT

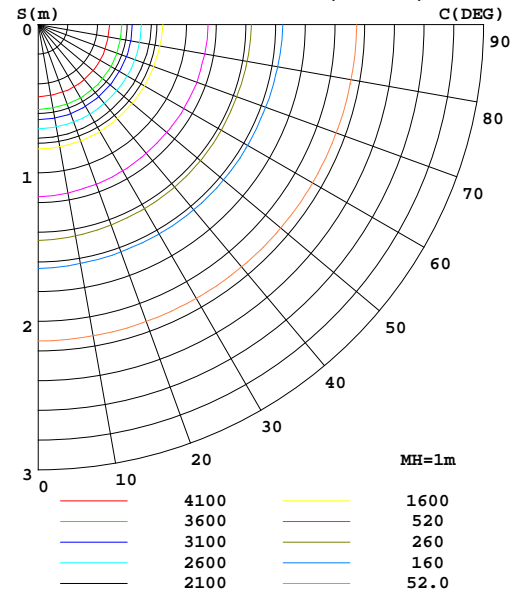
Test:U:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP80W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 154.48 lm/W			
MODEL	1	Imax(cd)	5731	S/MH(C0/180)	1.33
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	1.33
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	12310	η UP,DN(C0-180)	0.3,48.4
NOMINAL FLUX(lm)	12310.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,51.0
LAMPS INSIDE	1	η up(%)	0.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	240	η down(%)	99.4	CIBSE SHR MAX	1.30

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	5424	5409	5400	5410	5367	5268	5248	5346	0- 10	499.5	499.5	4.06,4.06
20	5634	5714	5690	5657	5665	5552	5571	5563	10- 20	1566	2066	16.8,16.8
30	5526	5455	5406	5483	5535	5490	5507	5507	20- 30	2587	4653	37.8,37.8
40	3535	3358	3489	3751	4061	4093	4046	3813	30- 40	3010	7663	62.3,62.3
50	1768	1620	1662	1808	1973	2029	1997	1910	40- 50	2073	9736	79.1,79.1
60	1004	995.1	1040	1073	1215	1226	1186	1116	50- 60	1314	11051	89.8,89.8
70	439.4	423.4	444.2	476.1	537.2	574.1	529.3	473.4	60- 70	751.4	11802	95.9,95.9
80	120.2	125.3	137.5	167.0	201.4	216.2	175.7	135.7	70- 80	336.9	12139	98.6,98.6
90	54.96	55.05	59.05	55.99	56.56	57.22	56.64	54.20	80- 90	95.37	12234	99.4,99.4
100	77.91	79.64	88.38	83.79	76.46	75.39	78.73	77.34	90-100	71.46	12306	100,100
110	0	0	0	0	0	0	0	0	100-110	4.693	12310	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12310	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12310	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12310	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12310	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12310	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12310	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12310	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 8842.5 lm

%lum = 71.8%

%lamp = 71.8%

Conical surface Flux(120deg): 11051 lm

%lum = 89.8%

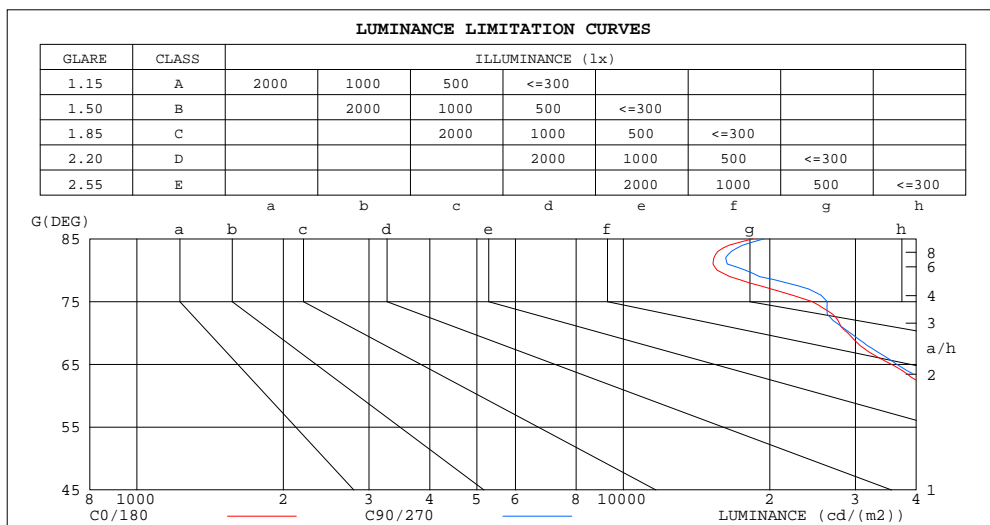
%lamp = 89.8%

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

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

LUMINANCE LIMITATION CURVES

Test:U:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	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	18449	19473
80	15589	17829
75	24440	26237
70	28933	29254
65	35577	36479
60	45211	46837
55	57471	55081
50	61954	58246
45	76590	76063

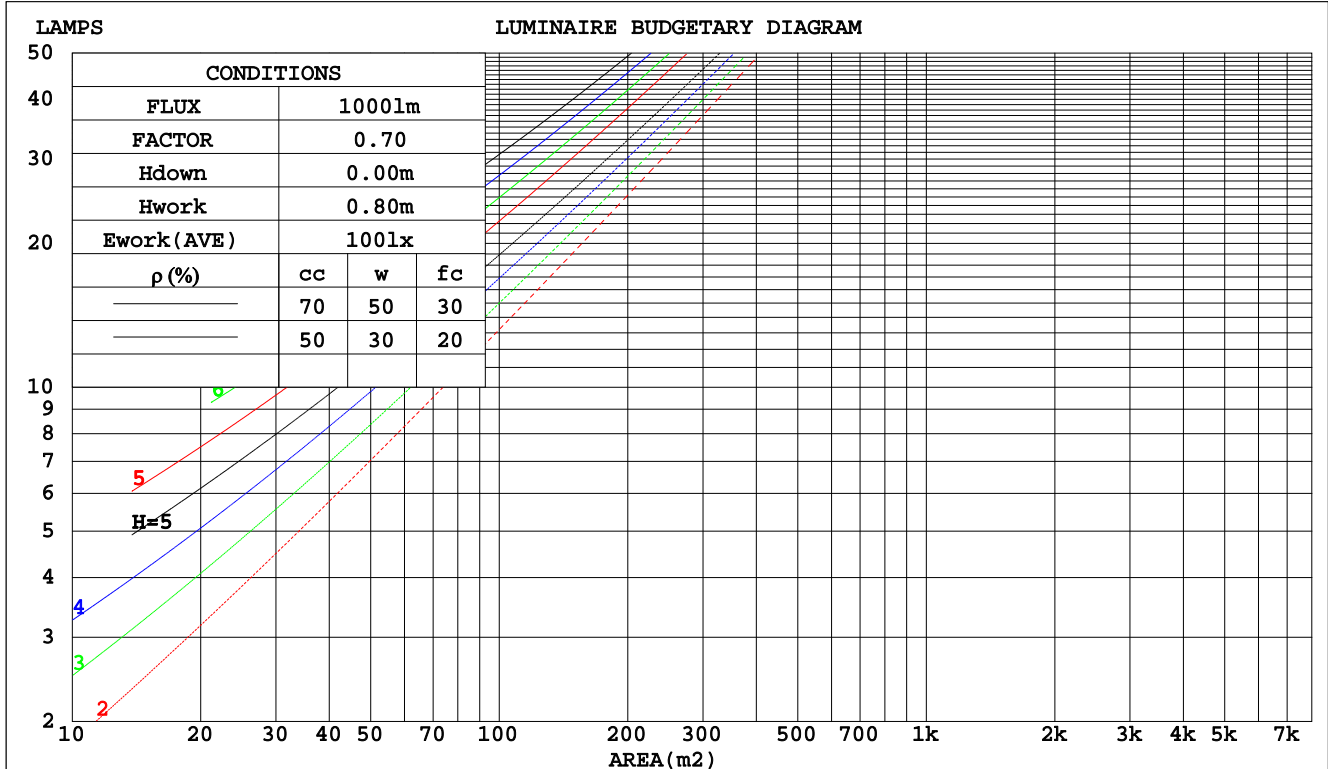
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 01
 Test Date: 2023-03-02

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:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	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						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	1.01	1.01	1.01	.99
1.0	1.07	1.03	1.00	1.05	1.01	.99	1.00	.98	.95	.96	.94	.92	.93	.91	.90	.88
2.0	.96	.90	.85	.94	.89	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.86	.79	.73	.84	.78	.73	.81	.76	.71	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.70	.64	.76	.69	.64	.74	.68	.63	.71	.66	.62	.69	.65	.61	.59
5.0	.70	.62	.56	.69	.62	.56	.67	.60	.56	.65	.59	.55	.63	.58	.54	.52
6.0	.64	.56	.50	.63	.55	.50	.61	.55	.50	.60	.54	.49	.58	.53	.49	.47
7.0	.58	.51	.45	.58	.50	.45	.56	.49	.45	.55	.49	.44	.53	.48	.44	.42
8.0	.54	.46	.41	.53	.46	.41	.52	.45	.40	.50	.44	.40	.49	.44	.40	.38
9.0	.50	.42	.37	.49	.42	.37	.48	.41	.37	.47	.41	.36	.46	.40	.36	.35
10.0	.46	.39	.34	.45	.38	.34	.44	.38	.33	.43	.38	.33	.43	.37	.33	.32



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:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	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	.251	.143	.045	.244	.139	.044	.230	.132	.042	.218	.126	.040	.207	.120	.039	
2.0	.241	.132	.041	.235	.129	.040	.223	.124	.039	.213	.119	.037	.203	.115	.036	
3.0	.228	.121	.036	.222	.119	.036	.212	.115	.035	.203	.111	.034	.194	.107	.033	
4.0	.214	.111	.033	.209	.109	.032	.200	.106	.032	.192	.103	.031	.184	.100	.030	
5.0	.201	.102	.030	.197	.101	.029	.189	.098	.029	.182	.096	.028	.175	.093	.028	
6.0	.189	.095	.027	.185	.094	.027	.178	.091	.027	.172	.089	.026	.166	.087	.026	
7.0	.178	.088	.025	.175	.087	.025	.169	.085	.025	.163	.083	.024	.157	.082	.024	
8.0	.168	.082	.023	.165	.081	.023	.160	.080	.023	.154	.078	.023	.149	.077	.022	
9.0	.159	.077	.022	.157	.076	.021	.151	.075	.021	.147	.073	.021	.142	.072	.021	
10.0	.151	.072	.020	.148	.072	.020	.144	.070	.020	.139	.069	.020	.135	.068	.020	

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	.195	.195	.195	.167	.167	.167	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.181	.161	.144	.155	.139	.124	.106	.095	.086	.061	.055	.050	.020	.018	.016	
2.0	.170	.137	.109	.146	.118	.094	.100	.082	.066	.058	.047	.039	.018	.015	.013	
3.0	.161	.119	.085	.138	.103	.074	.095	.071	.052	.055	.042	.031	.018	.014	.010	
4.0	.153	.105	.068	.131	.091	.059	.090	.063	.042	.052	.037	.025	.017	.012	.008	
5.0	.146	.094	.056	.125	.082	.049	.086	.057	.035	.050	.033	.021	.016	.011	.007	
6.0	.139	.086	.048	.119	.074	.041	.082	.052	.029	.048	.031	.017	.015	.010	.006	
7.0	.133	.079	.041	.114	.068	.036	.079	.048	.025	.046	.028	.015	.015	.009	.005	
8.0	.127	.073	.036	.109	.063	.031	.075	.044	.022	.044	.026	.013	.014	.009	.004	
9.0	.121	.068	.032	.104	.059	.028	.072	.041	.020	.042	.024	.012	.014	.008	.004	
10.0	.116	.064	.029	.100	.055	.025	.069	.039	.018	.040	.023	.011	.013	.008	.004	

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:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm										
NAME: ECOHB120LSE5G7 with PC Reflector and lens					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	25.7	27.0	25.9	27.2	27.4	25.6	26.9	25.9	27.1	27.4
3H	26.2	27.4	26.5	27.6	27.9	26.1	27.4	26.4	27.6	27.8
4H	26.4	27.5	26.7	27.8	28.0	26.3	27.5	26.6	27.7	28.0
6H	26.4	27.5	26.7	27.7	28.0	26.4	27.5	26.7	27.8	28.0
8H	26.4	27.4	26.7	27.7	28.0	26.4	27.4	26.8	27.7	28.0
12H	26.4	27.4	26.7	27.7	28.0	26.4	27.4	26.8	27.7	28.0
4H 2H	25.9	27.0	26.2	27.3	27.5	25.8	27.0	26.1	27.2	27.5
3H	26.5	27.5	26.9	27.8	28.1	26.5	27.5	26.8	27.8	28.1
4H	26.8	27.7	27.2	28.0	28.4	26.8	27.7	27.1	28.0	28.3
6H	26.9	27.7	27.3	28.1	28.4	26.9	27.7	27.3	28.1	28.4
8H	26.9	27.7	27.4	28.0	28.4	26.9	27.7	27.4	28.1	28.4
12H	27.0	27.6	27.4	28.0	28.4	27.0	27.6	27.4	28.0	28.4
8H 4H	26.9	27.6	27.3	28.0	28.3	26.8	27.5	27.2	27.9	28.3
6H	27.0	27.6	27.5	28.0	28.5	27.0	27.6	27.5	28.0	28.5
8H	27.1	27.6	27.5	28.0	28.5	27.1	27.6	27.5	28.0	28.5
12H	27.1	27.6	27.6	28.1	28.5	27.2	27.6	27.6	28.1	28.6
12H 4H	26.8	27.5	27.3	27.9	28.3	26.8	27.5	27.2	27.8	28.3
6H	27.0	27.5	27.5	28.0	28.4	27.0	27.5	27.5	28.0	28.4
8H	27.1	27.5	27.6	28.0	28.5	27.1	27.5	27.6	28.0	28.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.6 / - 0.8				
1.5H	+ 0.9 / - 0.6					+ 0.9 / - 0.6				
2.0H	+ 1.0 / - 1.0					+ 1.0 / - 0.9				

CIE Pub.117, 12311 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 8.7$)
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:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP80W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

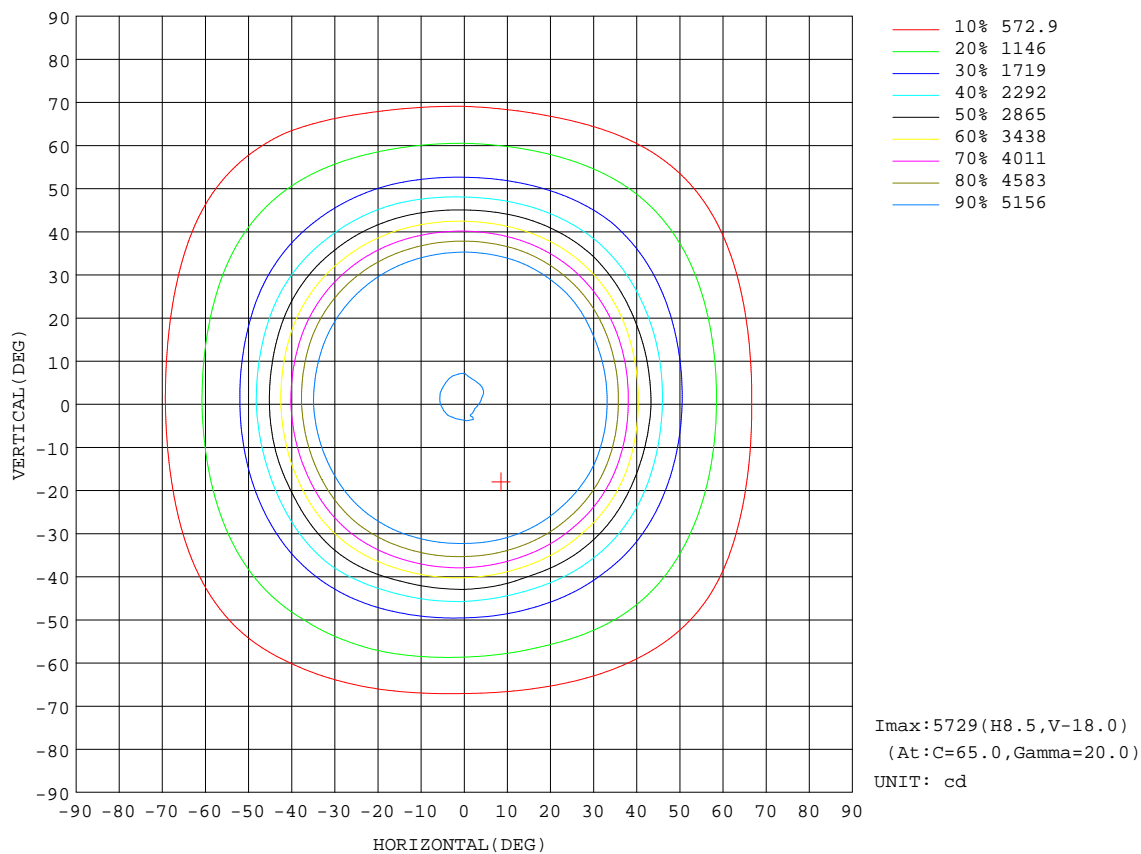
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	58	52	67	58	52	66	57	52	47
0.80	77	68	62	77	68	62	75	67	61	56
1.00	85	76	70	84	75	70	82	76	69	63
1.25	91	83	77	90	82	77	87	81	76	70
1.50	95	88	82	94	87	82	91	85	81	74
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	98	93	102	96	92	98	94	90	83
3.00	106	101	97	104	99	95	100	96	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	103	104	102	99	91
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:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP80W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



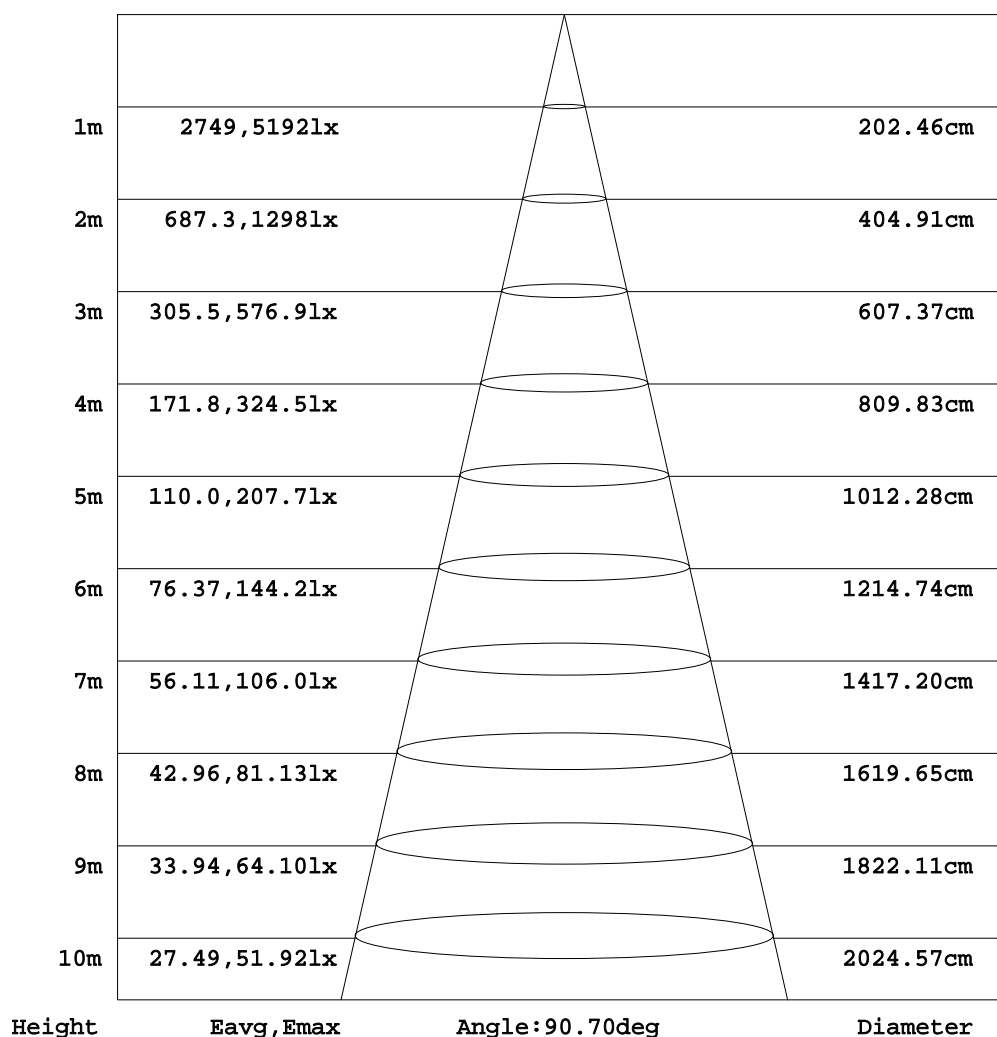
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP80W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

Flux out:8944 lm



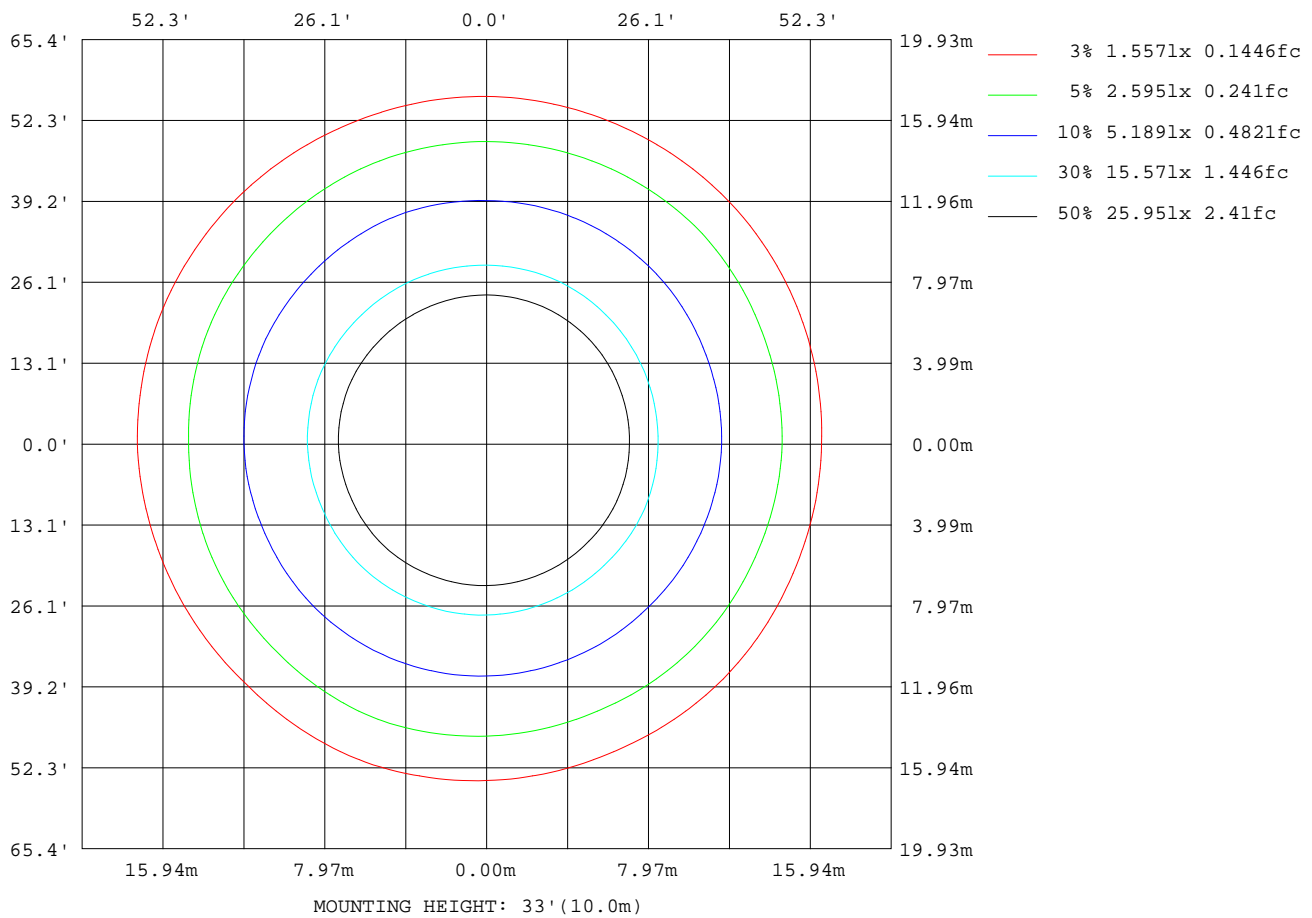
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	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:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP80W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

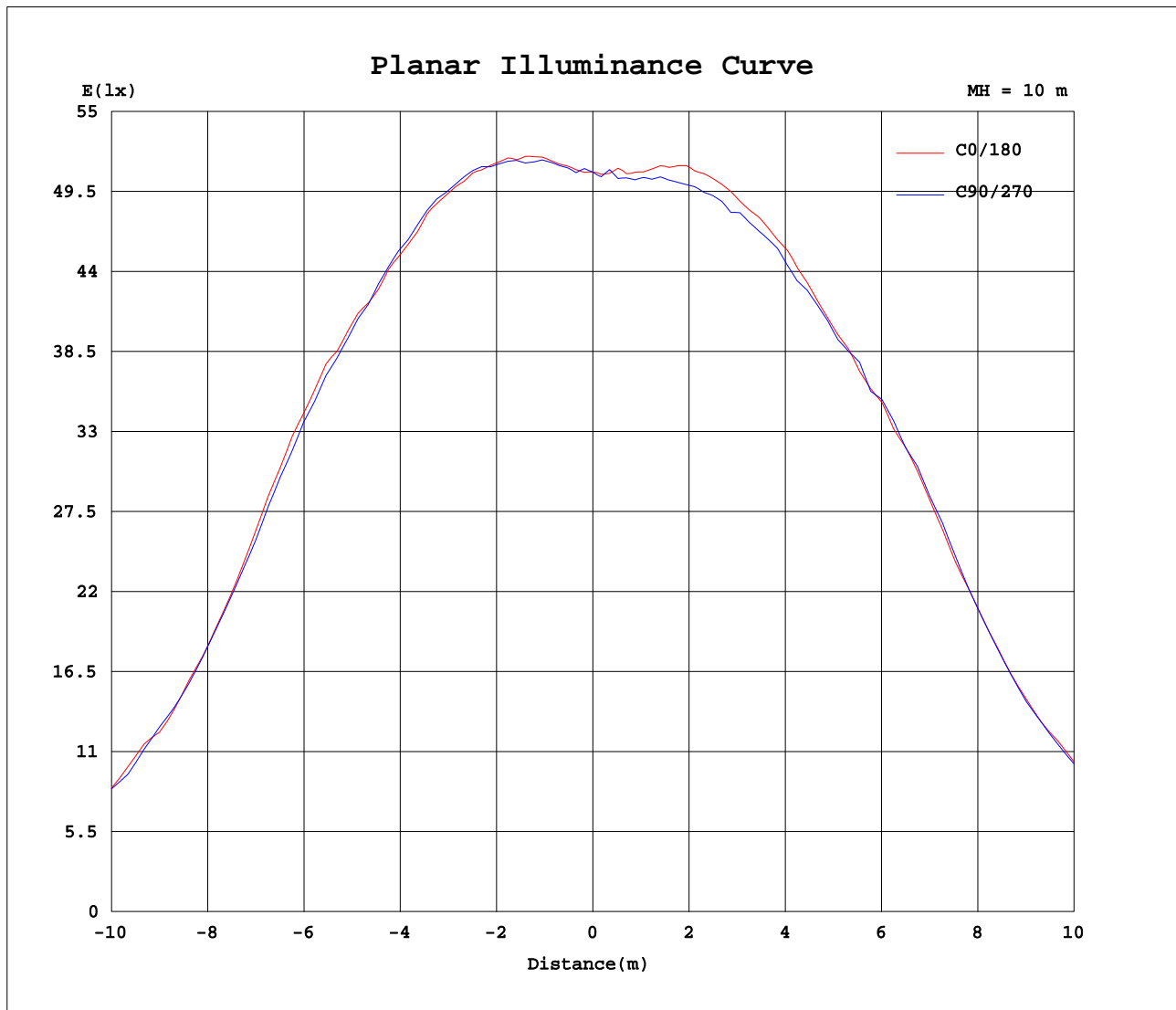
AvgL	cd/m2
L_0~180(65)av	39685
L_0~180(75)av	27073
L_0~180(85)av	20847
L_90~270(65)av	39906
L_90~270(75)av	28571
L_90~270(85)av	20582
L_45(65)av	39621
L_45(75)av	28626
L_45(85)av	20630

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:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm																		
NAME: ECOHB120LSE5G7 with PC Reflector and lens										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	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083
5	5223	5226	5229	5231	5233	5236	5233	5234	5233	5233	5231	5231	5229	5230	5225	5221	5219	5215	5210
10	5424	5421	5417	5414	5413	5411	5410	5410	5409	5409	5411	5414	5417	5422	5421	5415	5410	5406	5400
15	5570	5574	5578	5579	5583	5584	5585	5585	5585	5585	5589	5592	5597	5600	5602	5602	5601	5602	5603
20	5634	5643	5651	5657	5664	5673	5682	5693	5704	5714	5718	5722	5726	5731	5727	5718	5709	5700	5690
25	5621	5630	5636	5641	5648	5649	5642	5635	5629	5623	5628	5635	5643	5653	5651	5642	5632	5623	5608
30	5526	5525	5522	5519	5521	5510	5498	5482	5468	5455	5449	5446	5442	5438	5433	5427	5420	5415	5406
35	4767	4757	4748	4740	4730	4715	4689	4666	4642	4619	4618	4618	4618	4619	4623	4630	4637	4644	4648
40	3535	3516	3504	3491	3479	3461	3433	3407	3383	3358	3363	3369	3375	3381	3396	3420	3444	3469	3489
45	2405	2417	2418	2421	2420	2412	2397	2378	2364	2344	2338	2332	2326	2320	2325	2339	2358	2376	2388
50	1768	1750	1730	1711	1693	1677	1662	1648	1634	1620	1622	1626	1629	1633	1638	1646	1651	1661	1662
55	1464	1448	1433	1418	1403	1393	1390	1387	1383	1379	1375	1371	1366	1363	1364	1373	1382	1391	1403
60	1004	998	991	985	978	977	982	986	990	995	994	994	993	993	997	1008	1018	1029	1040
65	668	667	667	666	666	666	667	669	670	671	672	672	673	673	675	677	680	682	685
70	439	441	442	444	445	443	438	433	428	423	426	430	433	436	439	440	442	443	444
75	281	287	292	300	305	307	302	298	294	290	291	292	293	295	296	297	299	299	302
80	120	121	122	123	124	124	124	125	125	125	126	126	126	126	128	130	133	135	137
85	71.4	71.2	71.0	70.8	70.7	70.6	70.4	70.3	70.2	70.1	70.7	71.4	72.1	72.7	73.3	73.9	74.4	74.9	75.4
90	55.0	54.9	54.9	54.9	54.8	54.8	54.9	54.9	55.0	55.1	55.6	56.2	56.8	57.3	57.8	58.1	58.4	58.7	59.1
95	67.1	67.0	67.0	66.9	66.9	66.7	66.4	66.1	65.8	65.4	65.6	65.6	65.6	65.7	65.8	66.0	66.2	66.4	66.6
100	77.9	75.4	70.5	70.7	71.8	77.9	78.5	73.5	78.2	79.6	76.5	78.8	80.4	80.5	80.6	82.5	82.1	78.7	88.4
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm																		
NAME: ECOHB120LSE5G7 with PC Relfector and lens										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	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083
5	5206	5202	5199	5195	5191	5188	5184	5181	5177	5177	5174	5172	5171	5163	5158	5153	5148	5141	5139
10	5398	5397	5396	5394	5395	5399	5403	5407	5410	5404	5396	5389	5381	5376	5374	5371	5369	5367	5355
15	5599	5595	5592	5588	5582	5571	5560	5549	5538	5536	5535	5534	5533	5534	5537	5540	5544	5547	5526
20	5690	5690	5690	5691	5689	5681	5673	5665	5657	5655	5653	5652	5649	5650	5653	5657	5661	5665	5648
25	5613	5614	5614	5615	5614	5611	5607	5603	5600	5601	5602	5603	5605	5611	5620	5629	5637	5645	5638
30	5421	5435	5446	5460	5467	5468	5473	5478	5483	5500	5518	5539	5554	5565	5553	5549	5543	5535	5523
35	4672	4692	4712	4733	4758	4791	4825	4857	4889	4912	4934	4956	4979	5006	5042	5077	5112	5148	5154
40	3515	3537	3559	3581	3610	3645	3681	3716	3751	3775	3798	3821	3844	3878	3925	3969	4014	4061	4075
45	2424	2457	2492	2526	2550	2564	2577	2590	2604	2630	2665	2694	2723	2756	2798	2835	2873	2911	2928
50	1683	1694	1712	1725	1741	1758	1775	1792	1808	1819	1830	1840	1851	1870	1894	1922	1949	1973	1988
55	1413	1426	1439	1452	1458	1454	1451	1449	1446	1450	1454	1459	1463	1467	1471	1475	1479	1482	1494
60	1051	1063	1074	1086	1090	1085	1081	1077	1073	1087	1101	1115	1129	1145	1162	1179	1197	1215	1219
65	693	702	710	718	722	721	721	720	720	728	737	745	753	765	779	793	808	822	826
70	448	452	456	459	463	466	470	473	476	480	483	486	490	497	507	517	527	537	543
75	301	301	301	300	301	303	305	307	309	311	313	316	317	321	326	332	336	341	348
80	140	142	144	146	149	154	158	163	167	169	171	172	174	178	184	190	196	201	204
85	76.4	77.5	78.5	79.5	80.2	80.5	80.8	81.1	81.3	81.1	81.0	80.8	80.4	81.6	83.7	85.8	87.8	89.9	90.7
90	59.0	59.0	59.0	59.0	58.6	57.9	57.3	56.6	56.0	55.4	54.9	54.3	53.8	53.8	54.5	55.2	55.9	56.6	56.9
95	66.7	66.8	67.0	67.1	66.9	66.5	66.1	65.6	65.2	64.6	64.0	63.5	62.9	62.2	61.5	60.7	59.9	59.1	58.8
100	79.2	83.0	84.9	83.7	83.9	84.1	82.7	80.6	83.8	82.2	77.4	82.0	81.1	74.7	72.8	71.7	75.3	76.5	74.0
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:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm																			
NAME: ECOHB120LSE5G7 with PC Reflector and lens										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	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083
5	5136	5132	5129	5124	5115	5103	5095	5084	5088	5088	5091	5092	5093	5092	5090	5088	5088	5096	5105
10	5344	5333	5321	5310	5300	5289	5278	5268	5263	5260	5255	5251	5249	5249	5249	5248	5248	5260	5270
15	5505	5485	5464	5449	5438	5428	5417	5408	5404	5401	5397	5393	5395	5400	5405	5411	5418	5419	5421
20	5631	5614	5597	5585	5576	5568	5559	5552	5545	5541	5536	5532	5535	5544	5553	5562	5571	5578	5585
25	5630	5622	5615	5602	5583	5563	5544	5526	5527	5530	5532	5535	5544	5559	5574	5589	5604	5602	5602
30	5510	5496	5479	5476	5478	5483	5486	5490	5502	5514	5526	5539	5542	5537	5527	5531	5507	5537	5538
35	5160	5167	5173	5176	5174	5173	5172	5171	5177	5184	5189	5194	5198	5198	5198	5199	5197	5194	5189
40	4093	4110	4125	4129	4120	4111	4102	4093	4089	4086	4083	4080	4075	4067	4060	4053	4046	4028	4011
45	2944	2961	2977	2975	2955	2937	2908	2897	2911	2927	2942	2957	2953	2933	2912	2892	2871	2865	2857
50	2000	2011	2027	2032	2030	2030	2029	2029	2034	2040	2045	2051	2047	2036	2022	2011	1997	1992	1983
55	1505	1515	1527	1533	1534	1535	1537	1539	1546	1553	1561	1568	1570	1567	1564	1561	1559	1560	1560
60	1224	1229	1234	1236	1233	1231	1229	1226	1220	1213	1206	1200	1195	1194	1191	1190	1186	1179	1170
65	830	834	838	840	842	843	844	845	839	833	826	820	816	815	815	814	813	802	792
70	549	555	561	565	567	570	572	574	566	557	549	541	535	534	533	531	529	520	510
75	354	360	366	371	374	377	379	382	378	373	369	365	362	360	358	357	355	351	346
80	207	209	211	213	214	215	215	216	211	206	200	195	191	187	183	180	176	172	166
85	91.4	92.2	92.8	93.0	93.4	93.5	93.5	93.7	92.2	90.6	88.9	87.3	86.2	85.7	85.1	84.6	83.9	82.9	81.7
90	57.2	57.5	57.8	57.9	57.7	57.6	57.4	57.2	56.9	56.6	56.2	55.9	55.9	56.0	56.2	56.4	56.6	56.5	56.3
95	58.6	58.3	58.0	57.8	57.9	58.0	58.0	58.1	58.3	58.6	58.8	59.1	59.3	59.6	59.9	60.2	60.4	60.8	61.1
100	69.4	69.2	69.9	75.1	75.4	70.6	74.4	75.4	72.1	73.7	74.7	74.2	73.9	75.1	73.6	70.4	78.7	70.7	74.3
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.82V I:0.3431A P:79.690W PF:0.9645 Freq:49.99Hz Lamp Flux:12310.6x1 lm																	
NAME: ECOHB120LSE5G7 with PC Relfector and lens									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	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083	5083				
5	5113	5119	5119	5117	5111	5111	5105	5122	5133	5149	5161	5175	5187	5199	5211				
10	5281	5292	5303	5314	5325	5336	5346	5349	5352	5354	5356	5365	5379	5393	5409				
15	5425	5428	5433	5439	5446	5452	5458	5470	5481	5493	5504	5517	5530	5545	5557				
20	5591	5598	5597	5588	5579	5570	5563	5572	5584	5596	5604	5614	5619	5625	5631				
25	5600	5599	5594	5585	5575	5568	5561	5562	5564	5566	5569	5576	5589	5601	5612				
30	5556	5564	5562	5548	5534	5518	5507	5508	5509	5513	5513	5519	5517	5521	5524				
35	5184	5180	5160	5130	5101	5070	5040	5004	4968	4931	4896	4864	4841	4815	4790				
40	3993	3976	3949	3916	3881	3847	3813	3774	3734	3695	3658	3626	3601	3577	3553				
45	2851	2843	2825	2798	2771	2744	2717	2677	2637	2598	2558	2525	2495	2468	2443				
50	1978	1970	1961	1948	1936	1923	1910	1889	1868	1845	1825	1810	1797	1788	1779				
55	1561	1562	1562	1561	1560	1559	1558	1544	1529	1515	1500	1489	1483	1476	1469				
60	1163	1154	1146	1138	1131	1123	1116	1104	1093	1082	1070	1058	1044	1031	1018				
65	781	770	761	755	749	743	737	730	723	716	709	701	693	684	676				
70	501	491	485	482	479	476	473	466	459	452	445	442	441	440	440				
75	342	337	335	335	335	335	334	329	325	319	315	309	302	294	288				
80	161	157	152	148	144	140	136	134	132	129	127	125	124	123	122				
85	80.5	79.4	78.3	77.3	76.3	75.2	74.2	73.3	72.5	71.7	70.8	70.5	70.7	70.9	71.1				
90	56.2	56.0	55.7	55.4	55.0	54.6	54.2	54.4	54.6	54.8	54.9	55.0	55.0	55.0	55.0				
95	61.5	61.8	62.3	63.0	63.6	64.3	64.9	65.1	65.3	65.5	65.6	65.9	66.2	66.5	66.8				
100	75.3	74.2	74.8	75.6	74.9	73.5	77.3	76.2	72.0	77.3	77.0	71.2	70.2	70.2	75.2				
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				
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: