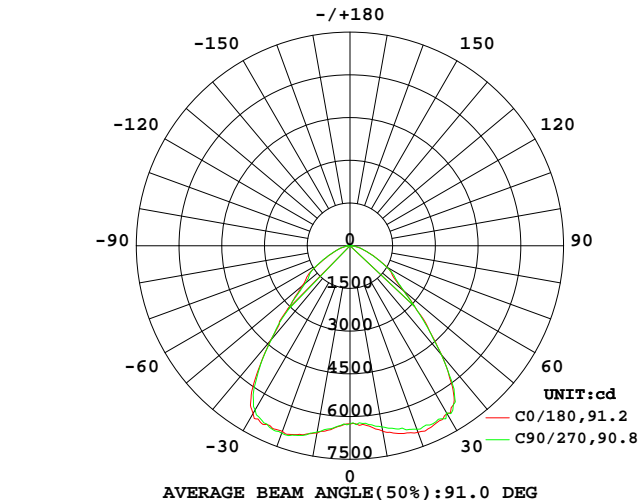


LUMINAIRE PHOTOMETRIC TEST REPORT

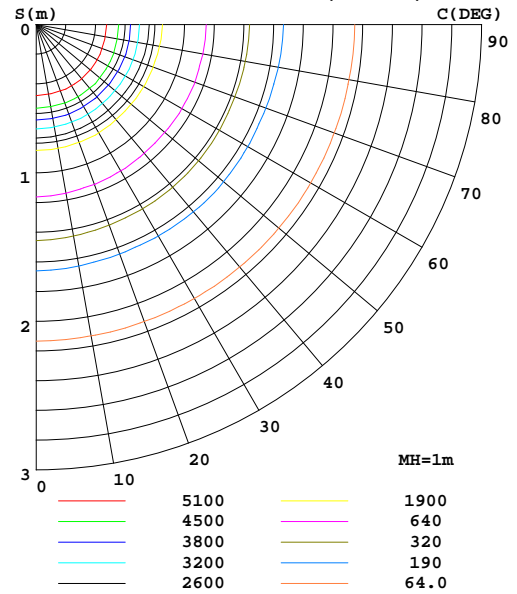
Test:U:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm					
NAME: ECOHB120LSE5G7 with PC Reflector and lens			TYPE:Highbay		WEIGHT:
SPEC.:DIP100W			DIM.: D290		SERIAL No.:
MFR.: Eastfield			SUR.:D238		Shielding Angle:

DATA OF LAMP			PHOTOMETRIC DATA			Eff: 150.94 lm/W
MODEL	1		Imax(cd)	7058	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)	15169	η UP,DN(C0-180)	0.3,48.4
NOMINAL FLUX(lm)	15169.3		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	6676	6655	6644	6654	6606	6483	6458	6578	0- 10	614.6	614.6	4.05,4.05
20	6936	7036	7005	6961	6972	6831	6855	6842	10- 20	1927	2542	16.8,16.8
30	6809	6726	6662	6748	6814	6756	6775	6776	20- 30	3185	5727	37.8,37.8
40	4359	4141	4305	4624	5009	5042	4983	4697	30- 40	3709	9436	62.2,62.2
50	2181	1998	2049	2227	2436	2503	2464	2355	40- 50	2556	11992	79.1,79.1
60	1247	1239	1284	1333	1498	1512	1461	1375	50- 60	1621	13613	89.7,89.7
70	541.5	521.9	547.7	587.1	663.3	708.4	652.3	584.2	60- 70	926.6	14540	95.9,95.8
80	148.5	151.3	165.2	205.8	248.1	270.5	216.2	167.7	70- 80	416.2	14956	98.6,98.6
90	68.71	68.86	73.71	69.88	70.63	71.33	70.71	67.75	80- 90	118.2	15074	99.4,99.4
100	97.13	99.24	110.1	104.3	95.33	94.03	98.14	96.32	90-100	89.22	15163	100,100
110	0	0	0	0	0	0	0	0	100-110	5.848	15169	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15169	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15169	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15169	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15169	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15169	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15169	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15169	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 10890 lm

%lum = 71.8%

%lamp = 71.8%

Conical surface Flux(120deg): 13613 lm

%lum = 89.7%

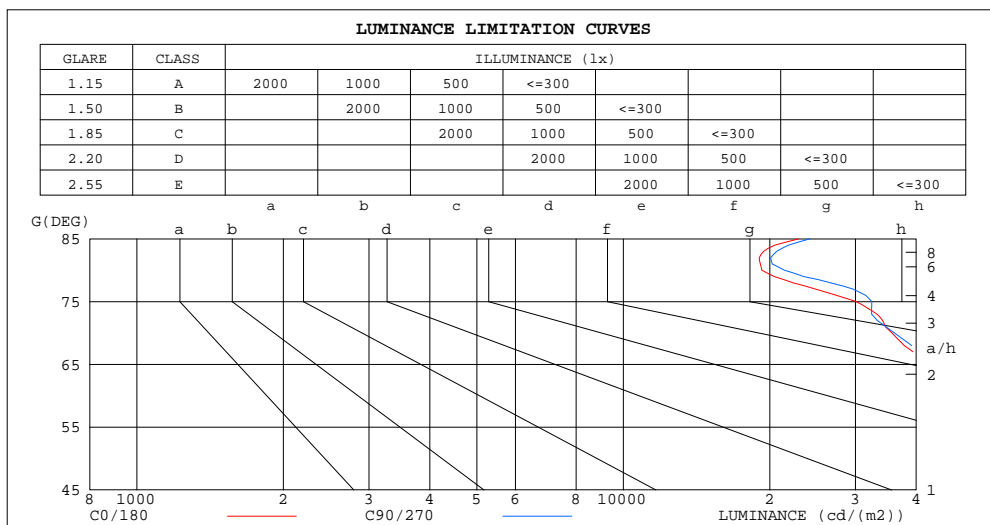
%lamp = 89.7%

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

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

LUMINANCE LIMITATION CURVES

Test:U:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	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	22934	24196
80	19265	21427
75	30102	32423
70	35660	36068
65	43819	44964
60	56191	57832
55	70826	67875
50	76406	71798
45	94256	93712

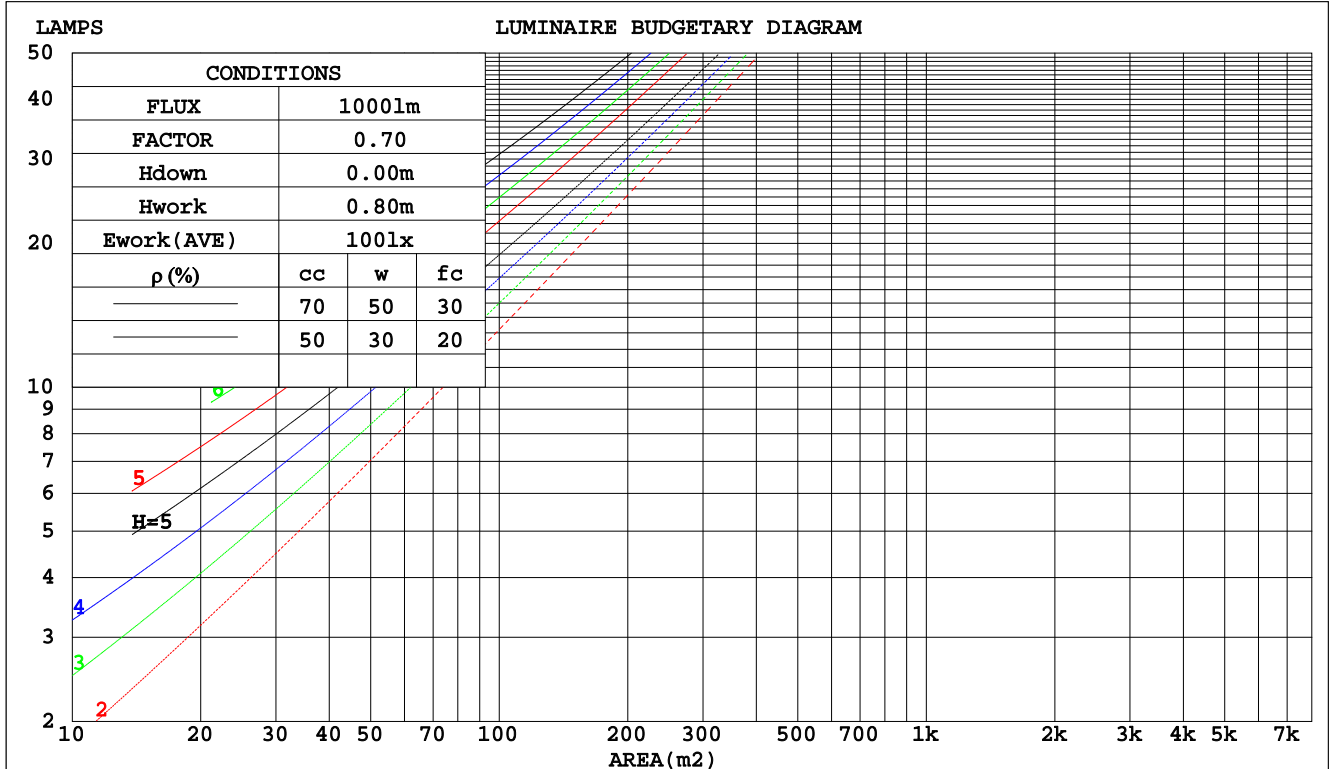
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2023-03-02

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	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	.98	1.00	.98	.95	.96	.94	.92	.93	.91	.89	.87
2.0	.96	.90	.85	.94	.88	.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	.55	.65	.59	.55	.63	.58	.54	.52
6.0	.64	.56	.50	.63	.55	.50	.61	.54	.50	.60	.54	.49	.58	.53	.49	.47
7.0	.58	.51	.45	.58	.50	.45	.56	.49	.44	.55	.49	.44	.53	.48	.44	.42
8.0	.54	.46	.41	.53	.46	.40	.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	.37	.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:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	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	.110	.032	.200	.106	.032	.192	.103	.031	.184	.100	.031		
5.0	.201	.103	.030	.197	.101	.029	.189	.098	.029	.182	.096	.029	.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	.149	.072	.020	.144	.070	.020	.139	.069	.020	.135	.068	.020		

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	.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	.041	.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:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm										
NAME: ECOHB120LSE5G7 with PC Reflector and lens					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	26.4	27.7	26.7	27.9	28.1	26.4	27.7	26.6	27.9	28.1
3H	26.9	28.1	27.2	28.4	28.6	26.9	28.1	27.2	28.3	28.6
4H	27.1	28.2	27.4	28.5	28.8	27.1	28.2	27.4	28.5	28.7
6H	27.1	28.2	27.5	28.5	28.8	27.1	28.2	27.5	28.5	28.8
8H	27.1	28.2	27.5	28.5	28.7	27.1	28.2	27.5	28.5	28.8
12H	27.1	28.1	27.5	28.4	28.7	27.2	28.1	27.5	28.4	28.7
4H 2H	26.6	27.7	26.9	28.0	28.3	26.6	27.7	26.9	28.0	28.2
3H	27.3	28.2	27.6	28.5	28.9	27.2	28.2	27.6	28.5	28.8
4H	27.6	28.4	27.9	28.8	29.1	27.5	28.4	27.9	28.7	29.1
6H	27.7	28.4	28.1	28.8	29.2	27.7	28.4	28.1	28.8	29.2
8H	27.7	28.4	28.1	28.8	29.2	27.7	28.4	28.1	28.8	29.2
12H	27.7	28.4	28.1	28.8	29.2	27.7	28.4	28.1	28.8	29.2
8H 4H	27.6	28.3	28.0	28.7	29.1	27.6	28.3	28.0	28.7	29.0
6H	27.8	28.4	28.2	28.8	29.2	27.8	28.4	28.2	28.8	29.2
8H	27.8	28.3	28.3	28.8	29.2	27.8	28.3	28.3	28.8	29.2
12H	27.9	28.3	28.4	28.8	29.3	27.9	28.4	28.4	28.8	29.3
12H 4H	27.6	28.2	28.0	28.6	29.0	27.5	28.2	28.0	28.6	29.0
6H	27.7	28.3	28.2	28.7	29.2	27.7	28.3	28.2	28.7	29.2
8H	27.8	28.3	28.3	28.7	29.2	27.8	28.3	28.3	28.7	29.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.6 / - 0.8				
1.5H	+ 0.9 / - 0.6					+ 1.0 / - 0.6				
2.0H	+ 1.0 / - 1.0					+ 1.0 / - 0.8				

CIE Pub.117, 15169 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.4$)
Area: 0.0444 m²

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

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

UTILIZATION FACTORS TABLE

Test:U:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

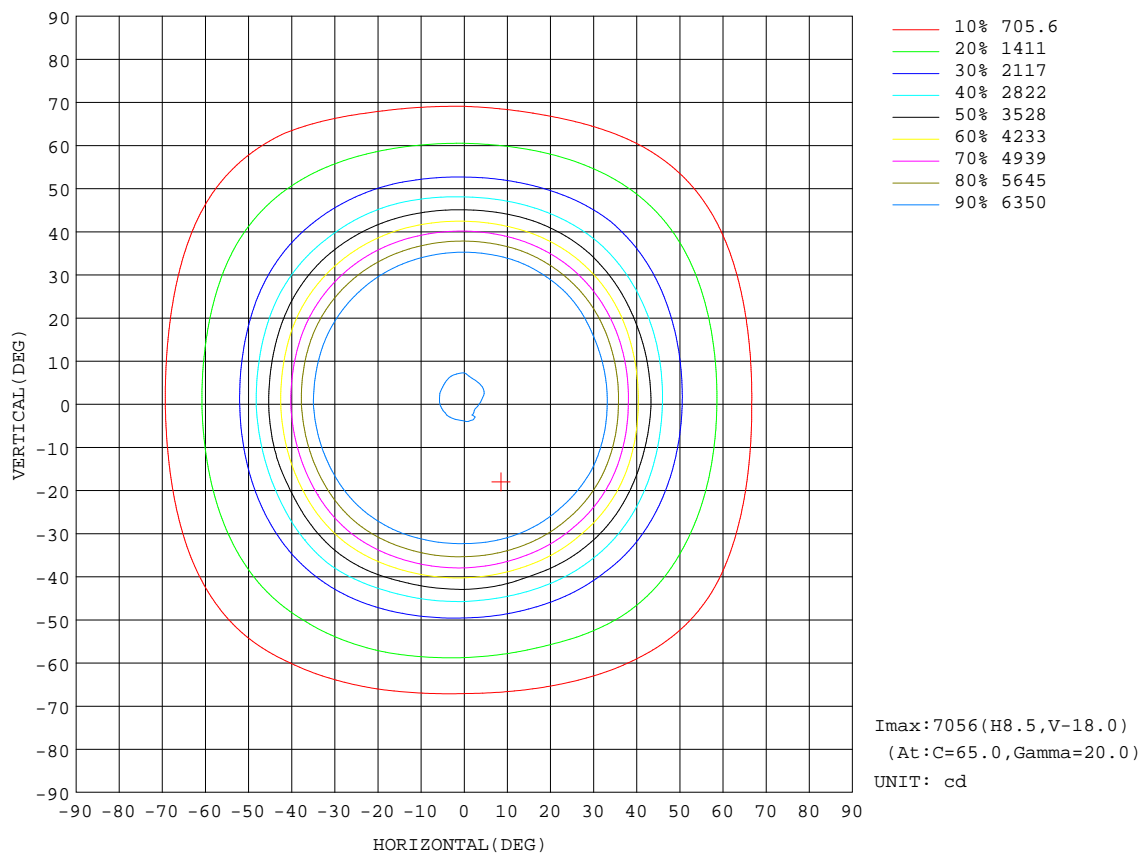
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	58	52	67	58	52	66	57	52	47
0.80	77	68	62	77	68	62	75	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	80	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	96	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:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

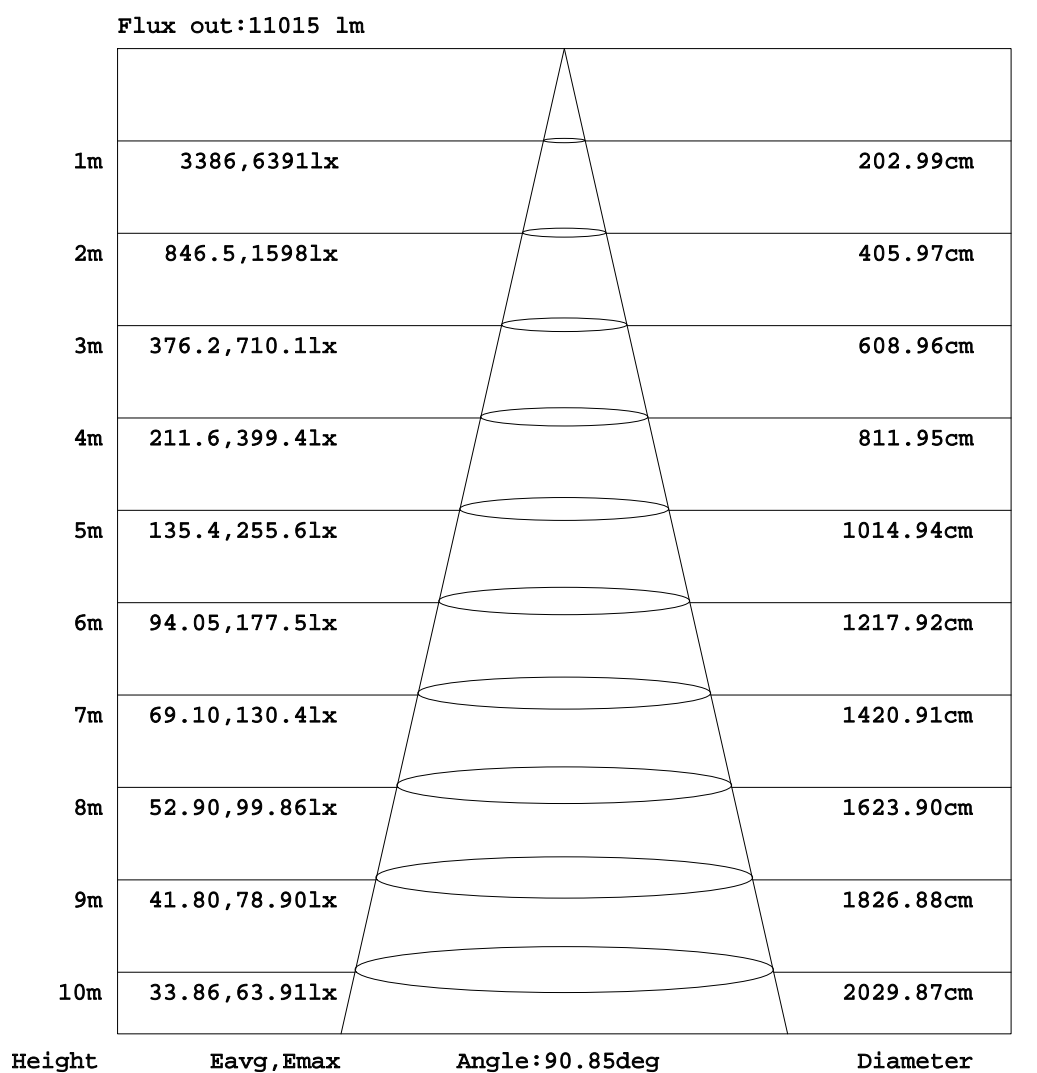


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



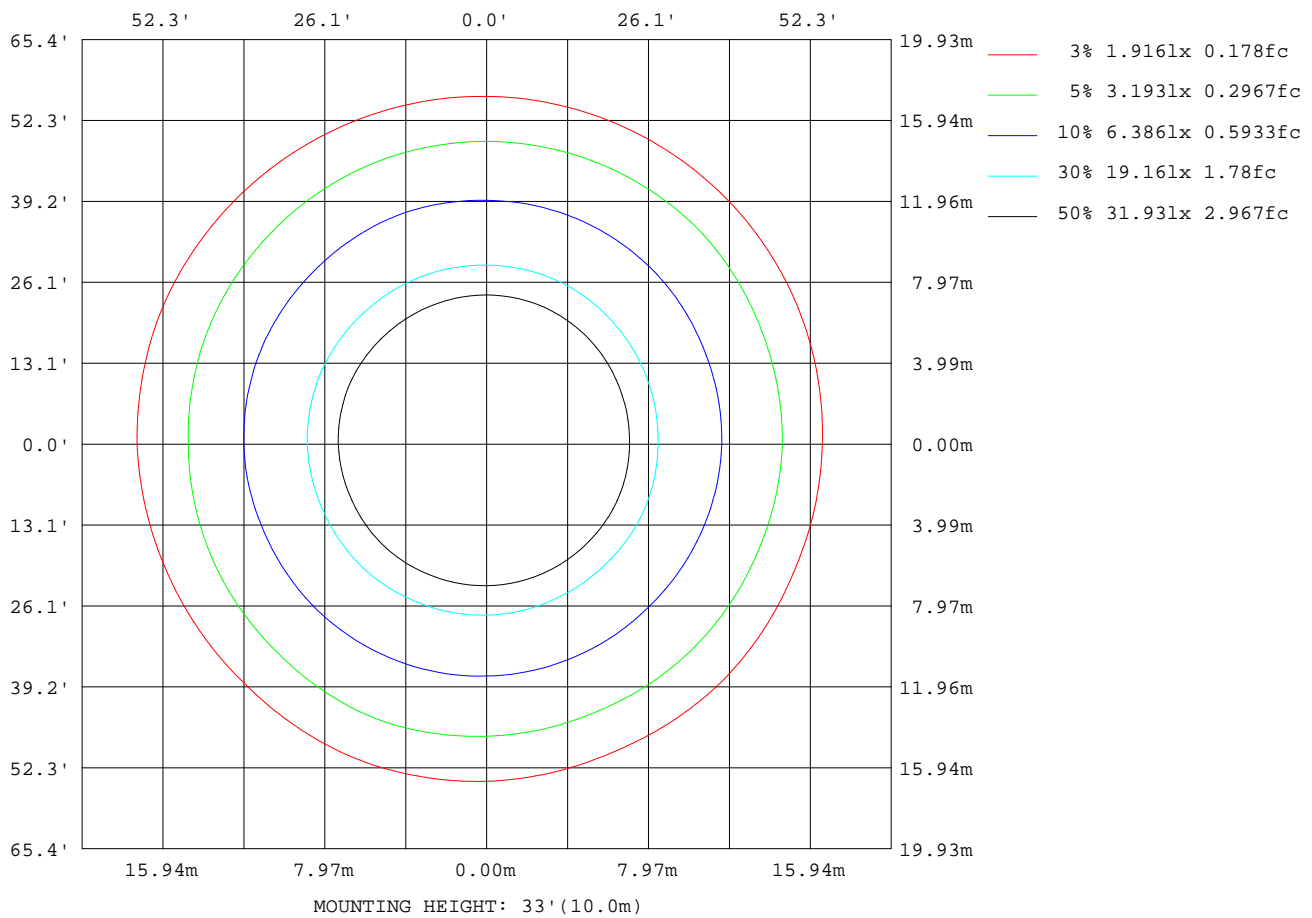
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

ISOLUX DIAGRAM

Test:U:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	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:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

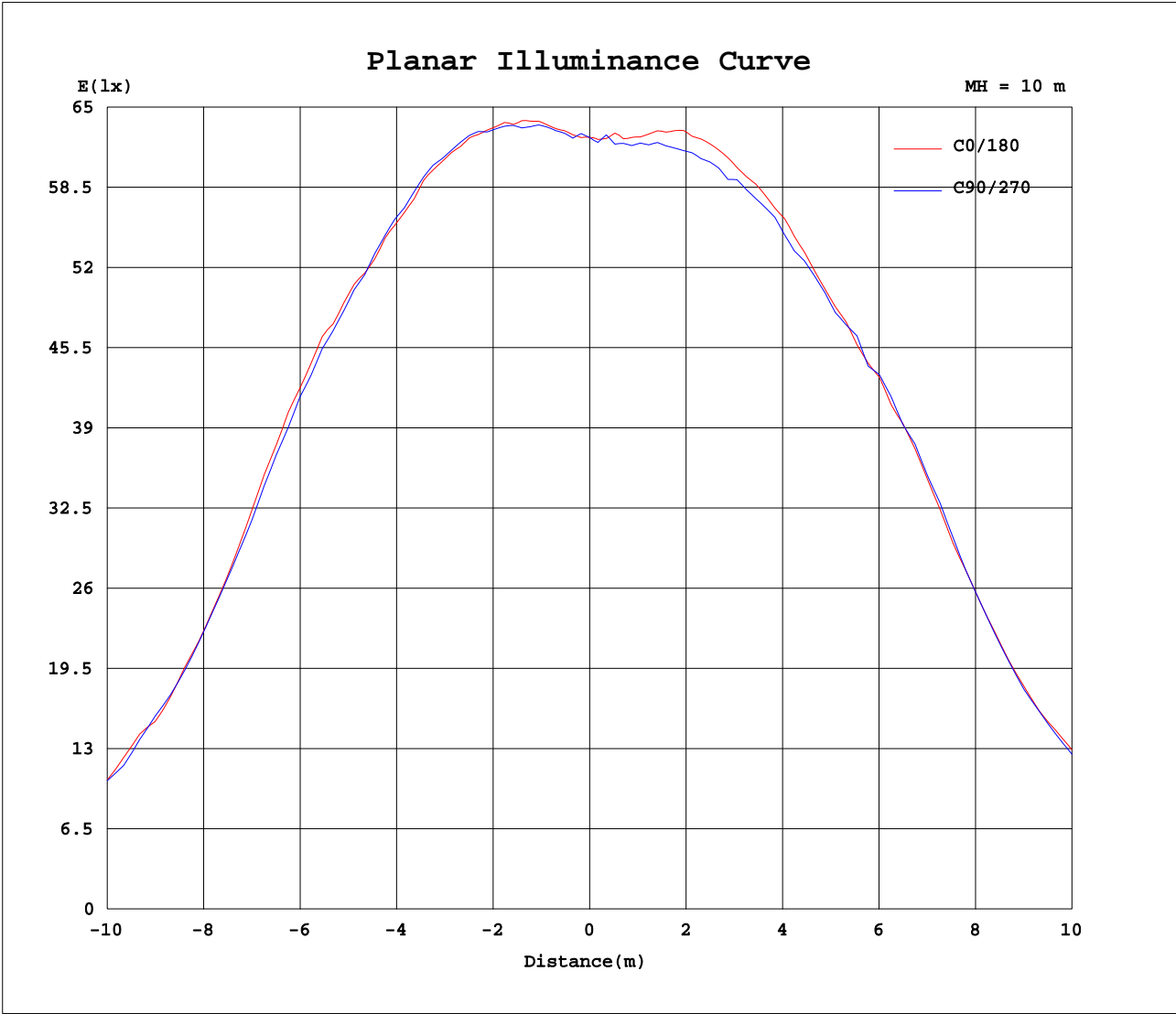
AvgL	cd/m2
L_0~180(65)av	48905
L_0~180(75)av	33406
L_0~180(85)av	25910
L_90~270(65)av	49179
L_90~270(75)av	35298
L_90~270(85)av	25557
L_45(65)av	48839
L_45(75)av	35337
L_45(85)av	25621

Standard: GB/T 29293-2012

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

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

Planar Illuminance Curve



C Range: 0 - 360DEG	γ Range: 0 - 100DEG
C Interval: 5.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Temperature:25.3DEG	Humidity:65.0%
Operators:01	Test Distance:8.750m [K=1.0000]
Test Date:2023-03-02	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm																	
NAME: ECOHB120LSE5G7 with PC Reflector and lens									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	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255
5	6429	6433	6436	6438	6440	6443	6440	6440	6438	6438	6435	6435	6432	6434	6427	6423	6421	6417	6411
10	6676	6671	6666	6663	6661	6659	6658	6657	6656	6655	6658	6662	6666	6671	6670	6663	6656	6651	6644
15	6857	6862	6867	6869	6873	6875	6876	6875	6875	6875	6879	6883	6889	6893	6895	6896	6894	6895	6896
20	6936	6948	6959	6966	6975	6986	6997	7011	7024	7036	7041	7046	7051	7058	7053	7041	7029	7017	7005
25	6924	6935	6943	6950	6959	6960	6952	6942	6934	6927	6933	6942	6952	6963	6961	6950	6937	6925	6907
30	6809	6808	6806	6803	6807	6793	6778	6759	6742	6726	6717	6713	6707	6701	6694	6687	6678	6673	6662
35	5880	5868	5858	5850	5837	5820	5788	5760	5730	5702	5700	5700	5700	5700	5705	5712	5720	5729	5733
40	4359	4336	4322	4306	4292	4269	4234	4202	4172	4141	4147	4155	4163	4172	4191	4220	4250	4280	4305
45	2959	2965	2953	2943	2939	2928	2918	2907	2899	2887	2895	2903	2912	2921	2928	2933	2937	2942	2942
50	2181	2158	2134	2110	2088	2068	2050	2033	2015	1998	2001	2006	2010	2014	2020	2030	2035	2047	2049
55	1804	1784	1766	1748	1730	1718	1715	1711	1706	1701	1697	1691	1685	1681	1682	1693	1704	1715	1729
60	1247	1237	1227	1217	1207	1205	1214	1223	1231	1239	1236	1232	1229	1225	1230	1243	1257	1270	1284
65	822	822	821	821	820	821	823	824	826	827	828	829	829	830	832	835	838	841	844
70	542	543	545	547	549	547	540	534	528	522	525	529	533	537	541	542	544	546	548
75	346	353	360	370	377	379	372	368	362	357	359	361	363	365	366	368	370	370	373
80	149	150	151	152	153	153	152	152	152	151	153	154	155	156	157	159	162	164	165
85	88.7	88.5	88.3	88.0	87.9	87.8	87.6	87.4	87.3	87.2	87.9	88.7	89.6	90.4	91.2	91.8	92.5	93.1	93.6
90	68.7	68.7	68.6	68.6	68.6	68.6	68.7	68.7	68.8	68.9	69.5	70.2	70.9	71.6	72.2	72.6	73.0	73.3	73.7
95	83.9	83.8	83.7	83.7	83.6	83.4	83.0	82.6	82.2	81.8	81.9	82.0	82.0	82.1	82.2	82.5	82.7	82.9	83.1
100	97.1	94.0	87.9	88.1	89.5	97.2	97.9	91.6	97.4	99.2	95.3	98.2	100	100	100	103	102	98.1	110
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm		
NAME: ECOHB120LSE5G7 with PC Relfector and lens	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	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255
5	6406	6401	6396	6390	6385	6381	6377	6373	6368	6368	6365	6362	6361	6352	6346	6341	6335	6327	6325
10	6641	6640	6638	6636	6637	6642	6646	6651	6654	6647	6638	6628	6619	6613	6611	6609	6608	6606	6592
15	6891	6886	6882	6877	6868	6855	6841	6827	6814	6811	6809	6808	6806	6808	6812	6817	6821	6826	6800
20	7005	7004	7004	7004	7002	6991	6981	6971	6961	6958	6955	6952	6948	6950	6955	6960	6967	6972	6951
25	6912	6913	6913	6914	6912	6907	6901	6896	6890	6892	6893	6895	6897	6904	6916	6927	6938	6949	6941
30	6679	6695	6707	6723	6731	6732	6737	6742	6748	6769	6791	6817	6835	6848	6835	6829	6823	6814	6799
35	5760	5784	5808	5832	5862	5902	5943	5982	6022	6049	6076	6102	6130	6164	6210	6254	6298	6343	6351
40	4335	4361	4386	4412	4447	4491	4536	4580	4624	4652	4680	4708	4735	4777	4836	4893	4949	5009	5027
45	2982	3019	3058	3096	3126	3146	3166	3185	3206	3241	3285	3324	3359	3405	3476	3530	3585	3652	3652
50	2074	2088	2110	2127	2146	2167	2187	2207	2227	2241	2255	2268	2283	2307	2337	2371	2405	2436	2454
55	1742	1758	1774	1790	1796	1792	1789	1785	1781	1787	1793	1799	1804	1810	1815	1820	1826	1830	1844
60	1297	1311	1325	1338	1344	1341	1338	1335	1333	1347	1362	1377	1392	1410	1432	1454	1475	1498	1506
65	854	865	875	885	890	889	888	887	887	897	908	918	928	942	960	978	995	1013	1018
70	552	557	562	566	570	575	579	583	587	591	596	600	604	613	625	638	651	663	671
75	371	372	371	371	372	375	377	379	382	385	387	390	392	397	403	410	416	422	430
80	170	173	176	180	184	190	195	201	206	208	211	213	215	220	227	234	241	248	251
85	95.0	96.2	97.5	98.7	99.6	99.9	100	101	101	101	101	100	99.9	101	104	107	109	112	113
90	73.7	73.6	73.6	73.6	73.1	72.3	71.5	70.7	69.9	69.2	68.5	67.8	67.1	67.2	68.1	68.9	69.8	70.6	71.0
95	83.3	83.4	83.6	83.7	83.5	83.0	82.5	81.9	81.4	80.6	80.0	79.3	78.5	77.7	76.8	75.8	74.9	74.0	73.6
100	98.7	103	106	104	104	105	103	100	104	102	96.4	102	101	93.0	90.6	89.4	93.8	95.3	92.3
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:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm																		
NAME: ECOHB120LSE5G7 with PC Reflector and lens										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	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255
5	6321	6318	6314	6308	6295	6281	6270	6256	6261	6261	6265	6265	6267	6266	6263	6260	6260	6269	6280
10	6578	6564	6550	6536	6523	6510	6496	6483	6477	6472	6466	6459	6457	6458	6458	6457	6458	6471	6484
15	6775	6750	6725	6706	6692	6679	6666	6654	6649	6644	6638	6634	6636	6642	6648	6656	6664	6665	6668
20	6931	6910	6889	6874	6863	6851	6839	6831	6822	6817	6811	6806	6810	6821	6832	6843	6855	6863	6870
25	6931	6920	6911	6894	6871	6846	6822	6800	6801	6804	6806	6809	6820	6839	6857	6875	6893	6891	6889
30	6783	6767	6745	6741	6743	6748	6752	6756	6771	6785	6800	6816	6820	6813	6800	6804	6775	6812	6812
35	6359	6367	6375	6379	6376	6374	6371	6370	6377	6385	6390	6397	6401	6400	6400	6400	6397	6394	6388
40	5048	5068	5087	5091	5079	5067	5054	5042	5038	5034	5030	5026	5019	5010	5002	4993	4983	4962	4940
45	3663	3673	3678	3671	3646	3624	3591	3576	3592	3610	3627	3643	3638	3616	3592	3569	3546	3536	3525
50	2468	2481	2499	2506	2504	2504	2503	2503	2510	2516	2522	2528	2524	2510	2494	2481	2464	2458	2447
55	1856	1868	1882	1889	1891	1893	1897	1900	1908	1917	1925	1934	1936	1933	1930	1926	1923	1924	1924
60	1514	1523	1532	1534	1528	1523	1518	1512	1507	1501	1495	1489	1483	1478	1473	1468	1461	1455	1446
65	1023	1028	1033	1036	1038	1040	1041	1043	1035	1027	1018	1010	1005	1005	1004	1003	1002	988	975
70	678	685	692	697	700	703	706	708	698	688	677	667	660	659	657	655	652	641	629
75	437	445	452	458	462	465	469	472	467	461	456	450	447	445	443	441	439	433	428
80	254	258	260	262	264	267	269	271	263	256	248	241	235	230	226	222	216	212	205
85	114	115	116	116	116	116	116	116	114	112	110	108	107	106	106	105	104	103	101
90	71.4	71.8	72.2	72.2	72.0	71.8	71.6	71.3	70.9	70.5	70.1	69.7	69.7	69.9	70.2	70.4	70.7	70.5	70.3
95	73.2	72.9	72.5	72.3	72.4	72.5	72.5	72.6	72.9	73.2	73.5	73.8	74.2	74.5	74.8	75.2	75.5	75.9	76.4
100	86.5	86.3	87.2	93.7	94.0	88.0	92.8	94.0	90.0	92.0	93.1	92.5	92.1	93.7	91.7	87.8	98.1	88.1	92.6
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:240.78V I:0.4281A P:100.50W PF:0.9751 Freq:49.99Hz Lamp Flux:15169.3x1 lm																	
NAME: ECOHB120LSE5G7 with PC Relfector and lens									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	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255	6255				
5	6290	6296	6296	6294	6286	6286	6279	6301	6315	6334	6349	6366	6382	6398	6413				
10	6497	6510	6523	6537	6551	6565	6578	6581	6584	6587	6589	6600	6618	6636	6656				
15	6672	6675	6681	6688	6696	6704	6712	6726	6741	6756	6770	6787	6805	6824	6841				
20	6878	6886	6884	6872	6862	6851	6842	6854	6869	6883	6894	6906	6914	6923	6931				
25	6888	6885	6880	6868	6856	6847	6839	6841	6844	6847	6850	6861	6879	6895	6910				
30	6833	6844	6841	6825	6808	6789	6776	6777	6779	6783	6783	6792	6791	6798	6804				
35	6381	6376	6352	6315	6278	6241	6203	6160	6116	6072	6030	5992	5965	5936	5907				
40	4918	4896	4864	4823	4781	4739	4697	4649	4600	4552	4506	4468	4438	4410	4380				
45	3516	3504	3481	3448	3415	3382	3349	3301	3249	3200	3151	3110	3072	3039	3008				
50	2441	2430	2418	2402	2387	2370	2355	2328	2301	2274	2248	2229	2214	2204	2193				
55	1925	1925	1925	1924	1923	1922	1920	1902	1884	1865	1847	1833	1826	1818	1810				
60	1438	1430	1420	1409	1397	1386	1375	1363	1352	1340	1328	1314	1298	1281	1264				
65	962	948	938	930	923	915	908	900	891	882	873	863	853	843	832				
70	617	605	598	594	591	587	584	575	566	558	549	545	544	543	542				
75	422	416	414	414	414	413	413	407	401	394	389	381	372	362	354				
80	199	193	187	182	178	173	168	164	161	157	153	152	151	151	149				
85	100.0	98.6	97.3	96.0	94.7	93.5	92.2	91.1	90.1	89.1	88.1	87.7	87.9	88.1	88.4				
90	70.1	69.9	69.6	69.1	68.6	68.2	67.7	68.0	68.2	68.4	68.6	68.8	68.7	68.7	68.7				
95	76.8	77.3	77.9	78.7	79.5	80.3	81.1	81.3	81.5	81.8	81.9	82.3	82.7	83.1	83.5				
100	93.9	92.5	93.2	94.2	93.3	91.5	96.3	94.9	89.6	96.2	95.9	88.7	87.4	87.5	93.8				
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: