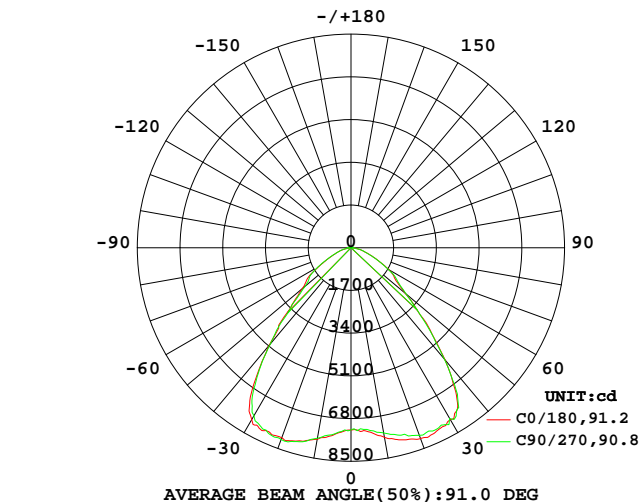


LUMINAIRE PHOTOMETRIC TEST REPORT

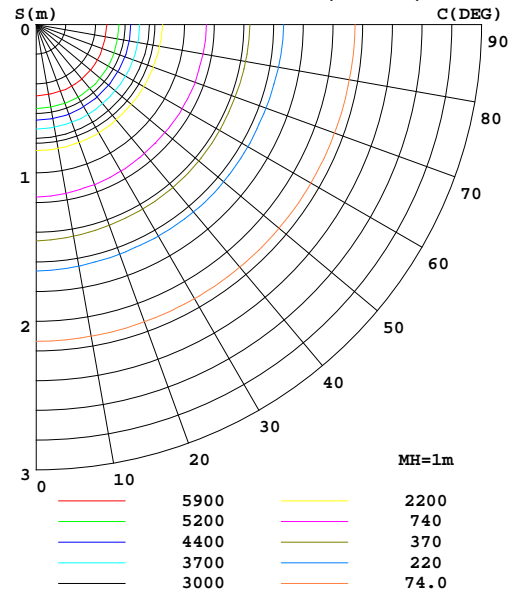
Test:U:240.78V I:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.31 lm/W			
MODEL	1	Imax(cd)	8182	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)	17599	η UP,DN(C0-180)	0.3,48.4
NOMINAL FLUX(lm)	17599	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,50.9
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	7742	7715	7699	7709	7659	7515	7484	7619	0- 10	712.2	712.2	4.05,4.05
20	8044	8157	8119	8066	8082	7917	7943	7925	10- 20	2234	2946	16.7,16.7
30	7903	7805	7727	7821	7902	7831	7849	7849	20- 30	3692	6638	37.7,37.7
40	5061	4807	5000	5360	5816	5852	5782	5447	30- 40	4303	10940	62.2,62.2
50	2532	2321	2380	2587	2834	2903	2863	2734	40- 50	2968	13908	79,79
60	1447	1435	1499	1546	1739	1756	1695	1594	50- 60	1882	15791	89.7,89.7
70	628.8	605.4	635.7	680.9	769.1	822.6	756.8	677.7	60- 70	1076	16866	95.8,95.8
80	172.6	175.7	192.1	238.9	289.9	314.3	258.9	194.7	70- 80	483.4	17350	98.6,98.6
90	80.52	80.63	86.23	81.74	82.62	83.44	82.74	79.36	80- 90	137.7	17488	99.4,99.4
100	113.6	116.0	128.6	121.9	111.5	110.0	114.8	112.6	90-100	104.5	17592	100,100
110	0	0	0	0	0	0	0	0	100-110	6.838	17599	100,100
120	0	0	0	0	0	0	0	0	110-120	0	17599	100,100
130	0	0	0	0	0	0	0	0	120-130	0	17599	100,100
140	0	0	0	0	0	0	0	0	130-140	0	17599	100,100
150	0	0	0	0	0	0	0	0	140-150	0	17599	100,100
160	0	0	0	0	0	0	0	0	150-160	0	17599	100,100
170	0	0	0	0	0	0	0	0	160-170	0	17599	100,100
180	0	0	0	0	0	0	0	0	170-180	0	17599	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 12627 lm

%lum = 71.7%

%lamp = 71.7%

Conical surface Flux(120deg): 15791 lm

%lum = 89.7%

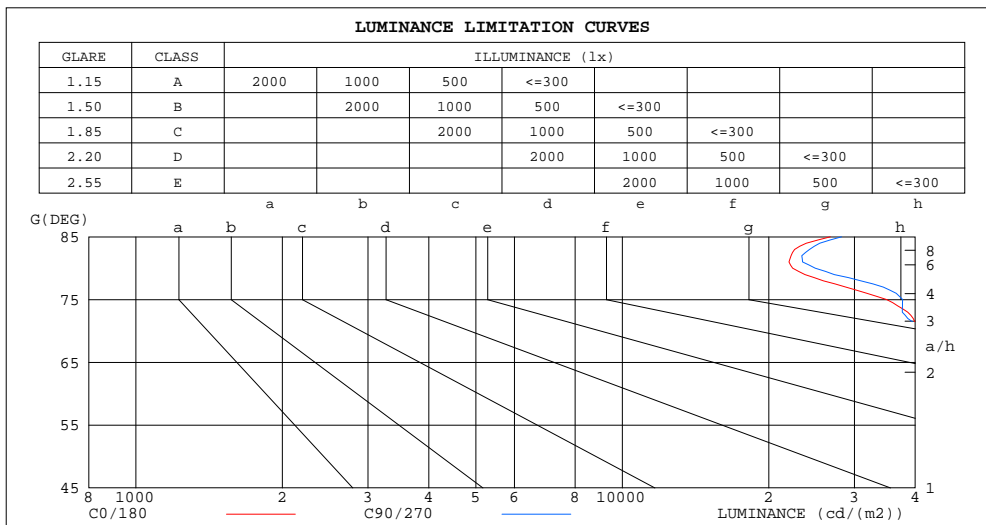
%lamp = 89.7%

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:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	26759	28220
80	22387	24917
75	34941	37683
70	41405	41862
65	50874	52160
60	65162	67545
55	82170	78796
50	88709	83392
45	109488	108687

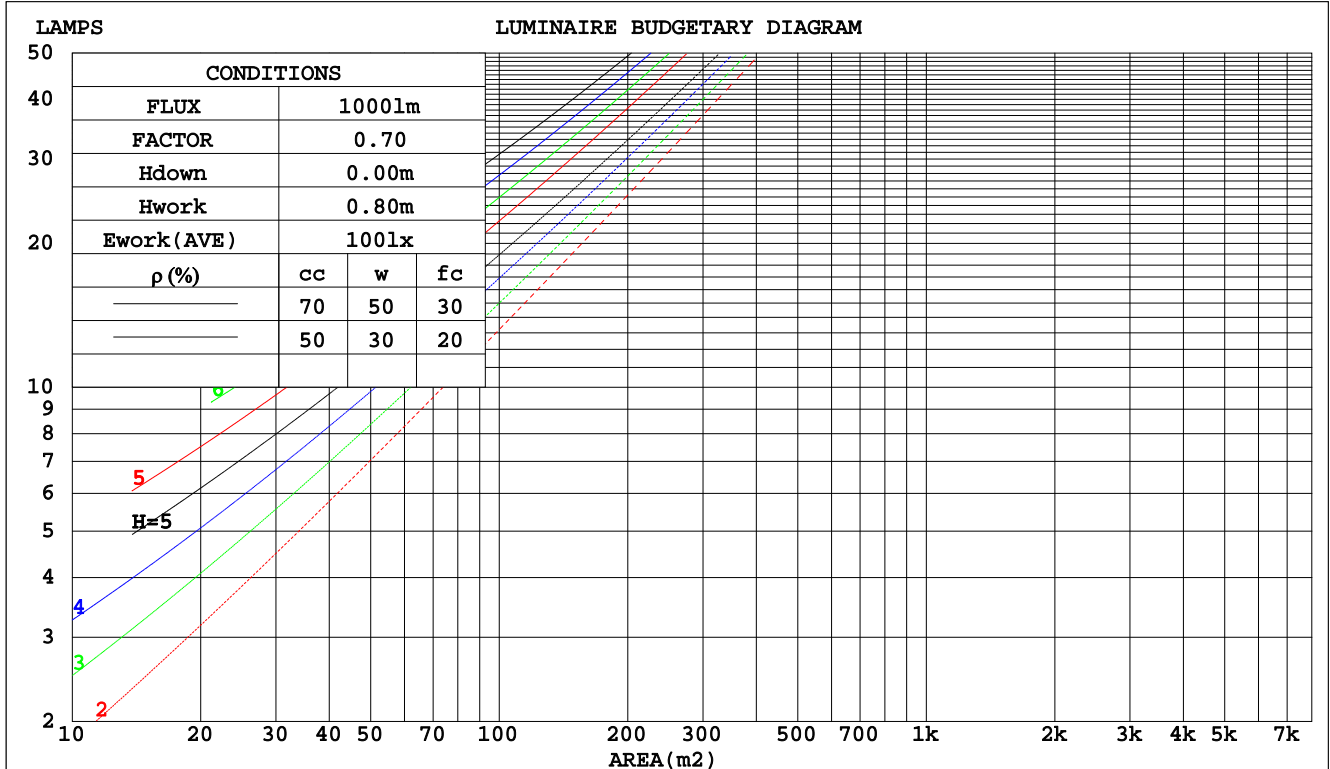
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	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	.67	.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	.49	.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	.34
10.0	.46	.39	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.43	.37	.33	.31



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:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm					
NAME: ECOHB120LSE5G7 with PC Reflector and lens			TYPE:Highbay		WEIGHT:
SPEC.:DIP120W			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	.186	.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	.162	.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	.019	.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	.076	.044	.022	.044	.026	.013	.014	.009	.004	
9.0	.121	.068	.032	.105	.059	.028	.072	.041	.020	.042	.024	.012	.014	.008	.004	
10.0	.116	.064	.029	.100	.055	.025	.070	.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:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm										
NAME: ECOHB120LSE5G7 with PC Reflector and lens					TYPE:Highbay			WEIGHT:		
SPEC.:DIP120W					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	26.9	28.3	27.2	28.5	28.7	26.9	28.2	27.1	28.4	28.6
3H	27.4	28.6	27.7	28.9	29.1	27.4	28.6	27.7	28.8	29.1
4H	27.6	28.8	27.9	29.0	29.3	27.6	28.7	27.9	29.0	29.2
6H	27.7	28.7	28.0	29.0	29.3	27.7	28.7	28.0	29.0	29.3
8H	27.7	28.7	28.0	29.0	29.3	27.7	28.7	28.0	29.0	29.3
12H	27.7	28.6	28.0	28.9	29.2	27.7	28.7	28.0	29.0	29.3
4H 2H	27.1	28.3	27.4	28.5	28.8	27.1	28.2	27.4	28.5	28.7
3H	27.8	28.8	28.1	29.1	29.4	27.7	28.7	28.1	29.0	29.3
4H	28.1	29.0	28.4	29.3	29.6	28.0	28.9	28.4	29.3	29.6
6H	28.2	29.0	28.6	29.3	29.7	28.2	29.0	28.6	29.3	29.7
8H	28.2	28.9	28.6	29.3	29.7	28.2	28.9	28.6	29.3	29.7
12H	28.2	28.9	28.7	29.3	29.7	28.2	28.9	28.7	29.3	29.7
8H 4H	28.1	28.8	28.5	29.2	29.6	28.1	28.8	28.5	29.2	29.6
6H	28.3	28.9	28.7	29.3	29.7	28.3	28.9	28.7	29.3	29.7
8H	28.3	28.9	28.8	29.3	29.8	28.3	28.9	28.8	29.3	29.8
12H	28.4	28.9	28.9	29.3	29.8	28.4	28.9	28.9	29.3	29.8
12H 4H	28.1	28.8	28.5	29.1	29.6	28.0	28.7	28.5	29.1	29.5
6H	28.3	28.8	28.7	29.2	29.7	28.3	28.8	28.7	29.2	29.7
8H	28.3	28.8	28.8	29.2	29.7	28.3	28.8	28.8	29.3	29.7
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, 17599 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 10.0$)
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:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

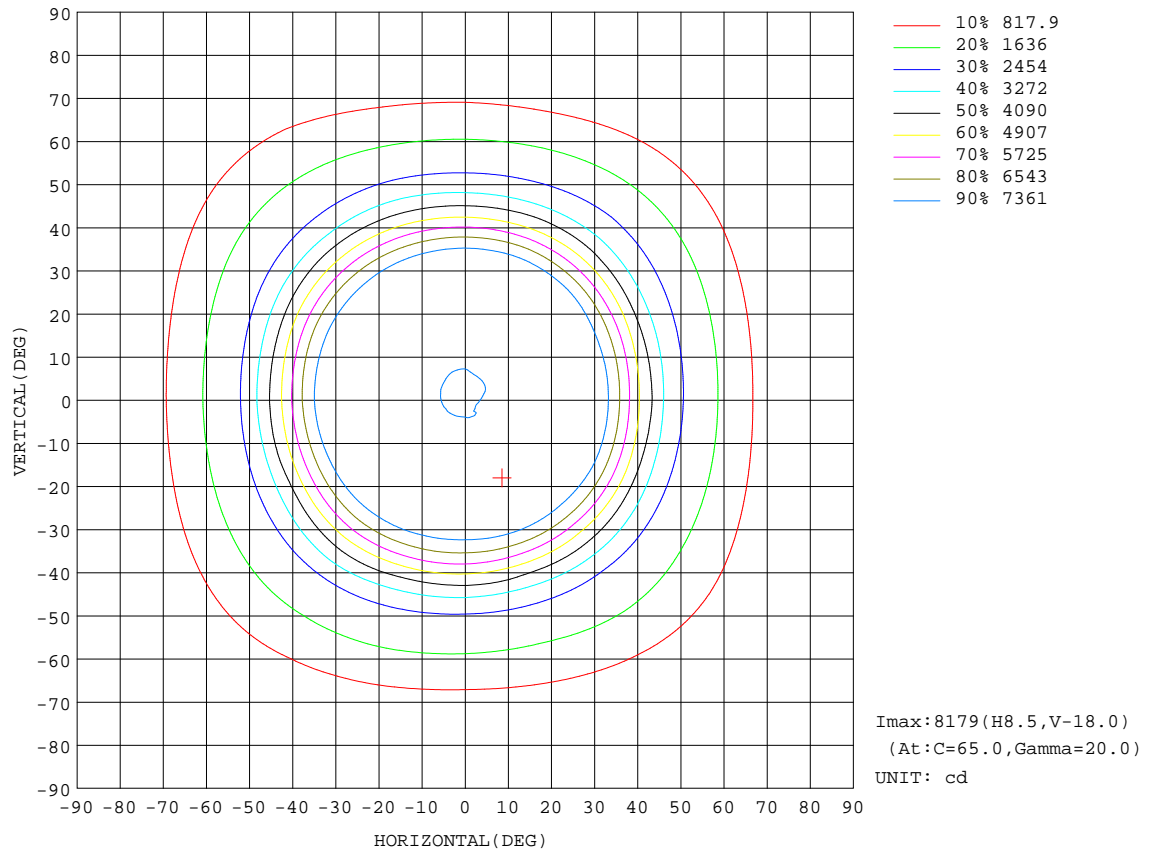
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	68	58	52	67	58	52	66	57	52	46
0.80	77	68	62	77	68	62	75	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	97	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:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm		
NAME: ECOHB120LSE5G7 with PC Relfector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:



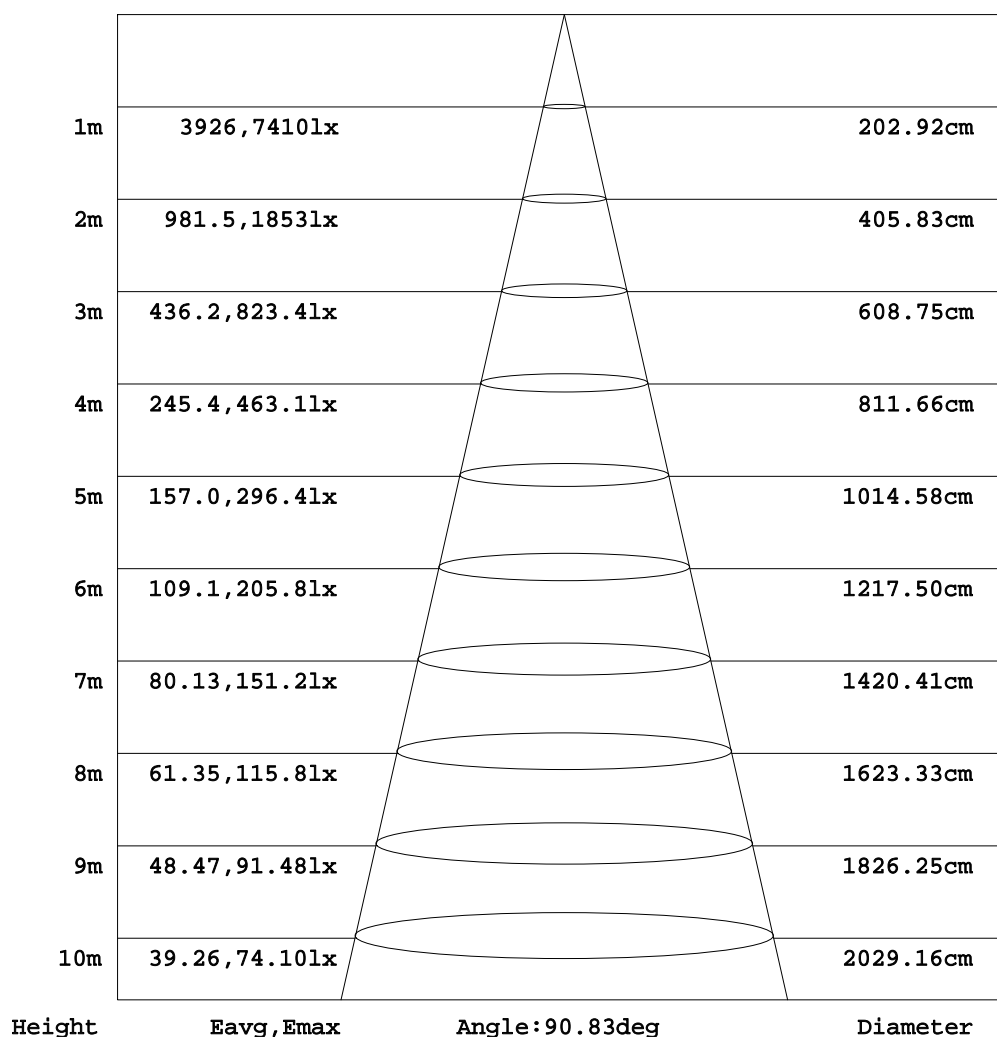
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

Flux out:12773 lm



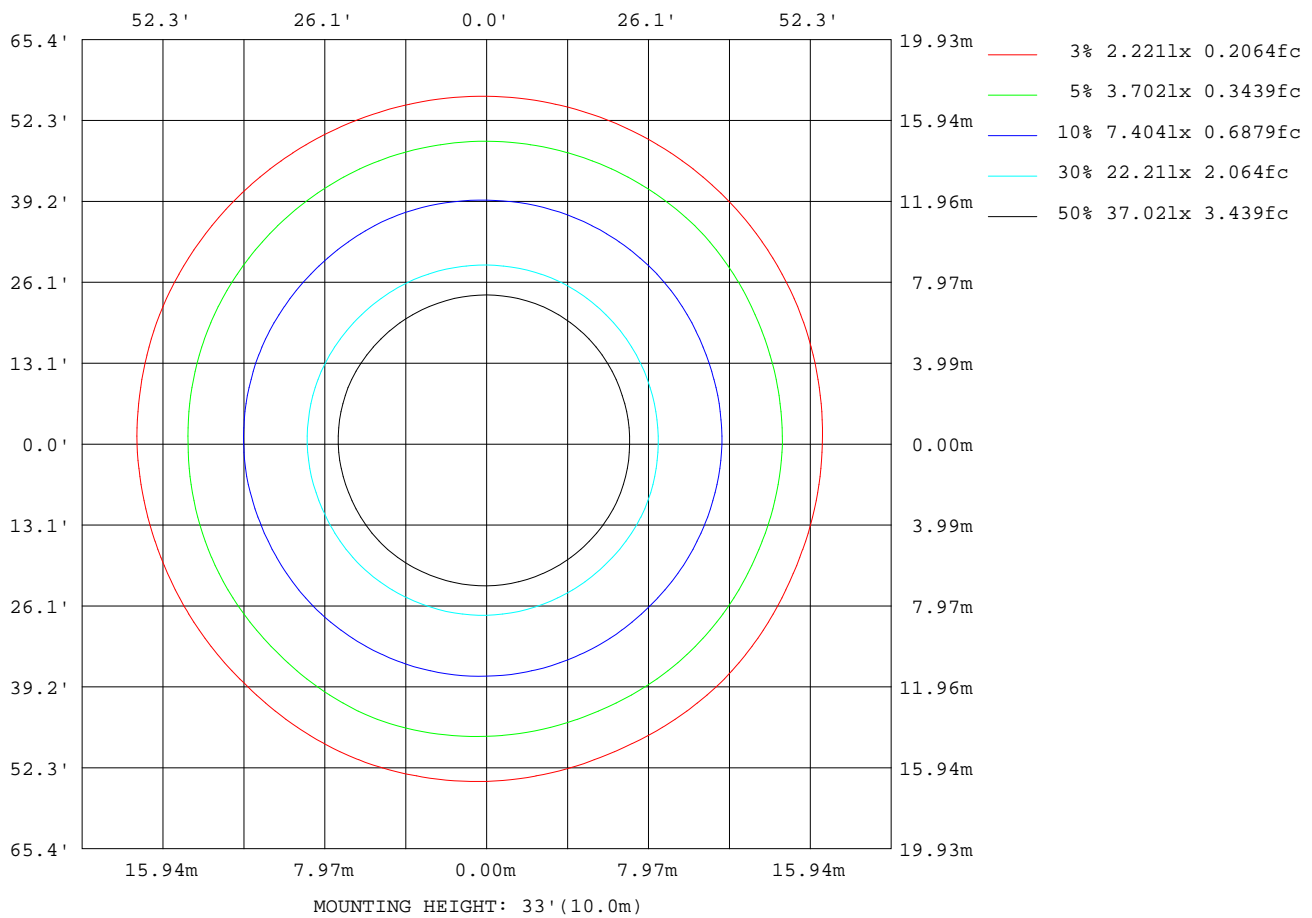
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.78V I:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	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:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D290	SERIAL No.:
MFR.: Eastfield	SUR.:D238	Shielding Angle:

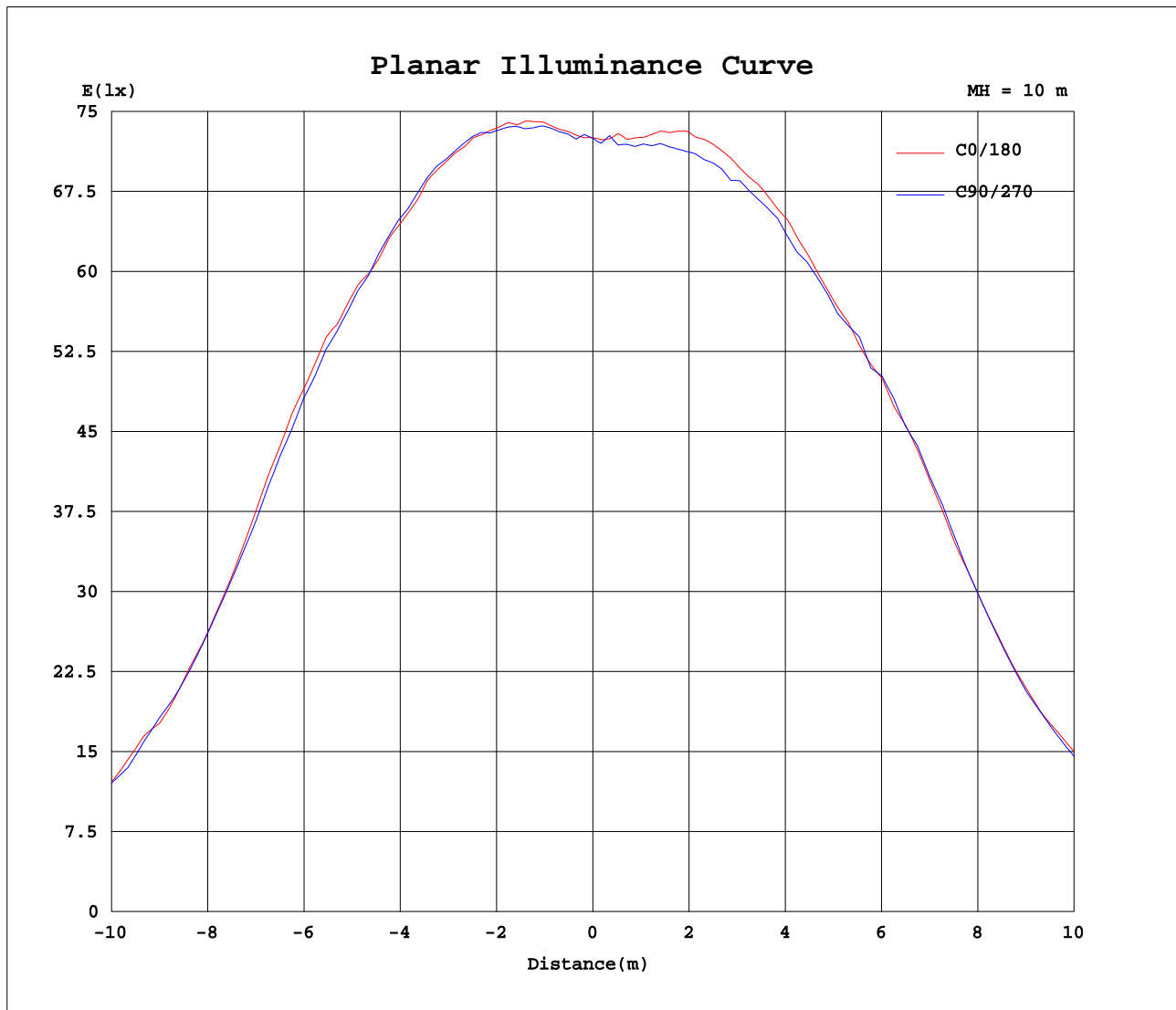
AvgL	cd/m2
L_0~180(65)av	56765
L_0~180(75)av	38799
L_0~180(85)av	30208
L_90~270(65)av	57029
L_90~270(75)av	41021
L_90~270(85)av	29804
L_45(65)av	56650
L_45(75)av	41064
L_45(85)av	29868

Standard: GB/T 29293-2012

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

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

Planar Illuminance Curve



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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.78V I:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm																	
NAME: ECOHB120LSE5G7 with PC Relfector and lens									TYPE:Highbay						WEIGHT:		
SPEC.:DIP120W									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	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251
5	7453	7458	7461	7463	7466	7469	7465	7466	7463	7463	7459	7459	7455	7457	7449	7444	7441	7437	7430
10	7742	7736	7729	7725	7721	7718	7717	7717	7716	7715	7718	7723	7727	7733	7731	7722	7714	7707	7699
15	7950	7956	7961	7963	7967	7969	7970	7970	7970	7970	7975	7979	7985	7989	7991	7991	7990	7991	7991
20	8044	8057	8069	8077	8087	8099	8113	8128	8143	8157	8163	8168	8174	8182	8176	8162	8148	8134	8119
25	8029	8043	8053	8061	8071	8073	8063	8051	8042	8033	8040	8051	8063	8076	8073	8060	8045	8030	8009
30	7903	7901	7898	7894	7898	7882	7865	7843	7823	7805	7795	7790	7783	7776	7768	7759	7747	7741	7727
35	6829	6815	6804	6793	6779	6759	6722	6689	6655	6621	6619	6618	6618	6618	6623	6632	6641	6652	6657
40	5061	5035	5018	4999	4983	4956	4916	4878	4843	4807	4815	4825	4835	4846	4868	4902	4936	4971	5000
45	3437	3458	3460	3467	3467	3456	3433	3404	3382	3352	3344	3338	3332	3325	3331	3348	3374	3398	3412
50	2532	2506	2478	2451	2425	2402	2381	2361	2340	2321	2324	2331	2335	2340	2348	2358	2364	2378	2380
55	2093	2070	2050	2029	2007	1994	1990	1986	1981	1975	1970	1963	1957	1951	1953	1966	1978	1991	2007
60	1447	1436	1424	1413	1400	1398	1409	1417	1426	1435	1432	1428	1425	1421	1428	1446	1464	1481	1499
65	955	954	953	953	952	953	954	956	958	960	960	961	962	963	965	969	973	976	979
70	629	631	633	635	637	634	627	620	612	605	610	614	619	624	627	629	632	634	636
75	402	410	418	429	437	440	432	427	421	415	417	420	421	423	425	427	429	430	433
80	173	174	176	177	178	177	177	177	176	176	177	179	180	181	183	185	188	191	192
85	104	103	103	103	103	102	102	102	102	102	103	103	104	105	106	107	108	109	109
90	80.5	80.5	80.4	80.4	80.4	80.4	80.4	80.5	80.6	80.6	81.4	82.2	83.1	83.9	84.5	84.9	85.4	85.8	86.2
95	98.3	98.2	98.1	98.1	98.0	97.7	97.3	96.8	96.3	95.8	96.0	96.0	96.1	96.2	96.3	96.6	96.8	97.1	97.3
100	114	110	103	103	105	114	114	107	114	116	111	115	117	117	117	120	120	115	129
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:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm		
NAME: ECOHB120LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	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	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251
5	7423	7416	7409	7402	7396	7392	7387	7383	7378	7377	7373	7370	7369	7360	7354	7350	7344	7337	7333
10	7695	7693	7691	7688	7689	7695	7700	7705	7709	7700	7690	7679	7669	7663	7662	7661	7660	7659	7642
15	7986	7979	7975	7968	7958	7943	7926	7910	7894	7891	7889	7887	7885	7888	7895	7902	7909	7916	7886
20	8119	8118	8117	8117	8114	8101	8089	8077	8066	8061	8057	8053	8048	8050	8057	8065	8074	8082	8057
25	8015	8015	8015	8015	8013	8006	7999	7992	7984	7985	7986	7988	7990	7999	8014	8028	8042	8056	8045
30	7747	7764	7777	7795	7804	7804	7810	7815	7821	7845	7870	7900	7920	7936	7922	7917	7912	7902	7885
35	6688	6715	6742	6769	6804	6848	6895	6938	6983	7014	7045	7074	7106	7146	7201	7253	7306	7359	7368
40	5034	5064	5093	5123	5162	5212	5261	5311	5360	5394	5426	5459	5491	5541	5610	5678	5745	5816	5835
45	3465	3513	3564	3613	3648	3666	3683	3700	3719	3759	3812	3857	3900	3955	4033	4098	4163	4242	4241
50	2409	2425	2451	2470	2493	2517	2540	2564	2587	2603	2619	2634	2651	2679	2715	2757	2799	2834	2855
55	2022	2041	2059	2078	2086	2080	2076	2071	2066	2073	2081	2088	2095	2102	2108	2115	2122	2127	2143
60	1513	1526	1540	1554	1559	1556	1552	1549	1546	1563	1580	1598	1614	1636	1662	1687	1712	1739	1747
65	991	1003	1015	1027	1032	1031	1030	1029	1028	1040	1052	1063	1075	1091	1113	1134	1155	1176	1182
70	641	647	652	657	662	667	672	677	681	686	691	695	700	710	725	740	755	769	778
75	431	432	432	431	432	435	438	441	444	447	450	453	456	461	468	476	483	490	499
80	197	201	205	209	215	221	227	233	239	242	246	249	252	257	266	274	282	290	293
85	111	112	114	115	116	117	117	118	118	118	117	117	116	118	121	124	127	130	132
90	86.2	86.1	86.1	86.0	85.5	84.6	83.6	82.7	81.7	81.0	80.2	79.4	78.6	78.7	79.7	80.7	81.6	82.6	83.1
95	97.5	97.7	97.8	98.0	97.7	97.1	96.5	95.9	95.2	94.4	93.6	92.8	91.9	91.0	89.9	88.8	87.7	86.6	86.2
100	115	121	124	122	122	122	120	117	122	120	113	119	118	109	106	105	110	112	108
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:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm																		
NAME: ECOHB120LSE5G7 with PC Relfector and lens										TYPE:Highbay					WEIGHT:			
SPEC.:DIP120W										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	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251
5	7329	7325	7320	7312	7298	7281	7269	7253	7258	7258	7262	7263	7264	7262	7259	7255	7254	7265	7277
10	7626	7609	7592	7576	7561	7546	7530	7515	7508	7501	7495	7487	7484	7485	7484	7482	7484	7498	7513
15	7856	7827	7797	7775	7758	7742	7726	7712	7706	7701	7694	7688	7691	7698	7705	7714	7724	7724	7726
20	8033	8009	7985	7966	7954	7941	7927	7917	7907	7901	7894	7887	7891	7904	7917	7930	7943	7951	7959
25	8034	8022	8011	7992	7964	7935	7907	7881	7882	7886	7888	7892	7905	7925	7946	7966	7987	7983	7981
30	7865	7846	7820	7816	7817	7823	7827	7831	7849	7865	7882	7900	7904	7896	7880	7884	7849	7892	7893
35	7377	7386	7396	7399	7395	7392	7389	7386	7394	7404	7410	7418	7421	7421	7421	7421	7417	7413	7404
40	5859	5882	5902	5906	5893	5880	5865	5852	5847	5841	5836	5831	5823	5813	5803	5793	5782	5756	5731
45	4252	4262	4267	4259	4230	4204	4165	4148	4166	4187	4207	4226	4221	4196	4169	4143	4117	4104	4090
50	2869	2882	2902	2909	2906	2906	2904	2903	2911	2920	2928	2936	2932	2917	2898	2885	2863	2858	2843
55	2157	2171	2186	2194	2197	2200	2204	2207	2217	2227	2237	2248	2250	2246	2242	2238	2234	2234	2234
60	1757	1767	1776	1779	1772	1767	1762	1756	1749	1741	1734	1726	1720	1714	1708	1703	1695	1688	1677
65	1188	1195	1200	1205	1206	1208	1210	1211	1201	1192	1182	1173	1167	1166	1165	1163	1161	1146	1130
70	786	795	803	809	813	816	820	823	811	798	786	774	766	764	762	760	757	744	730
75	509	517	526	532	537	541	545	549	543	536	530	523	519	517	514	512	510	503	497
80	296	300	303	305	307	310	312	314	306	297	288	279	273	269	266	262	259	250	241
85	133	134	135	136	136	136	135	135	133	131	128	126	125	124	123	122	121	120	118
90	83.5	83.9	84.3	84.4	84.2	83.9	83.7	83.4	83.0	82.5	82.0	81.6	81.5	81.8	82.1	82.4	82.7	82.5	82.3
95	85.8	85.4	84.9	84.7	84.9	84.9	85.0	85.1	85.5	85.8	86.2	86.6	86.9	87.3	87.7	88.1	88.5	89.0	89.5
100	101	101	102	110	110	103	109	110	105	108	109	108	108	110	107	103	115	103	108
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:0.5058A P:119.47W PF:0.9811 Freq:49.99Hz Lamp Flux:17599x1 lm																	
NAME: ECOHB120LSE5G7 with PC Relfector and lens									TYPE:Highbay			WEIGHT:					
SPEC.:DIP120W									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	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251	7251				
5	7288	7295	7295	7291	7283	7282	7274	7299	7315	7337	7354	7375	7395	7414	7434				
10	7527	7542	7557	7573	7589	7605	7619	7624	7627	7631	7634	7648	7671	7693	7717				
15	7730	7733	7740	7749	7758	7767	7776	7793	7810	7827	7843	7863	7885	7909	7930				
20	7967	7976	7974	7960	7948	7935	7925	7940	7956	7974	7986	8001	8013	8025	8036				
25	7978	7974	7968	7956	7942	7932	7922	7925	7928	7932	7936	7949	7971	7992	8012				
30	7918	7930	7927	7908	7887	7865	7849	7851	7853	7858	7858	7870	7873	7884	7894				
35	7396	7389	7361	7318	7276	7233	7191	7141	7091	7040	6992	6950	6921	6889	6858				
40	5704	5679	5641	5593	5544	5496	5447	5391	5335	5278	5225	5181	5148	5117	5084				
45	4078	4063	4036	3996	3957	3918	3879	3824	3765	3709	3652	3606	3564	3527	3492				
50	2835	2823	2808	2790	2772	2752	2734	2702	2671	2639	2609	2587	2570	2558	2546				
55	2234	2234	2234	2232	2231	2230	2228	2207	2185	2164	2142	2127	2118	2109	2100				
60	1668	1659	1647	1634	1621	1607	1594	1580	1567	1554	1540	1524	1505	1486	1467				
65	1114	1098	1086	1078	1070	1061	1053	1043	1033	1022	1012	1001	989	978	966				
70	716	702	693	689	685	681	678	668	657	648	638	633	632	631	630				
75	490	484	480	480	480	480	479	472	465	457	451	442	432	420	411				
80	233	224	217	211	206	201	195	190	187	182	178	176	175	175	173				
85	117	115	113	112	110	109	108	106	105	104	103	102	103	103	103				
90	82.0	81.8	81.4	80.9	80.4	79.9	79.4	79.6	79.9	80.2	80.4	80.5	80.5	80.5	80.5				
95	90.0	90.6	91.3	92.2	93.2	94.1	95.0	95.2	95.5	95.8	96.0	96.4	96.8	97.3	97.8				
100	110	108	109	110	109	107	113	111	105	113	112	104	102	102	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				
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: