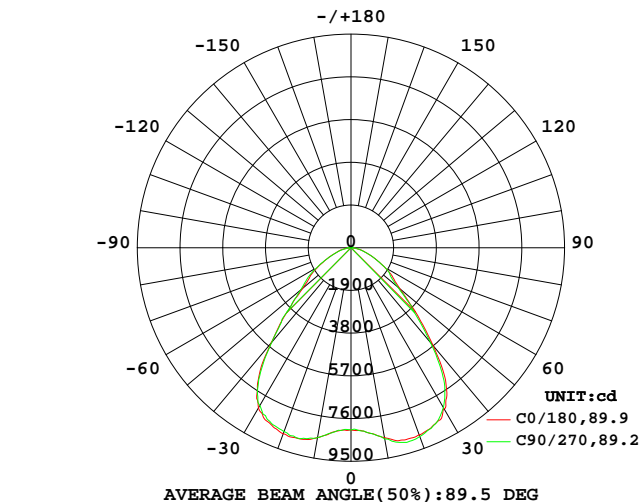


LUMINAIRE PHOTOMETRIC TEST REPORT

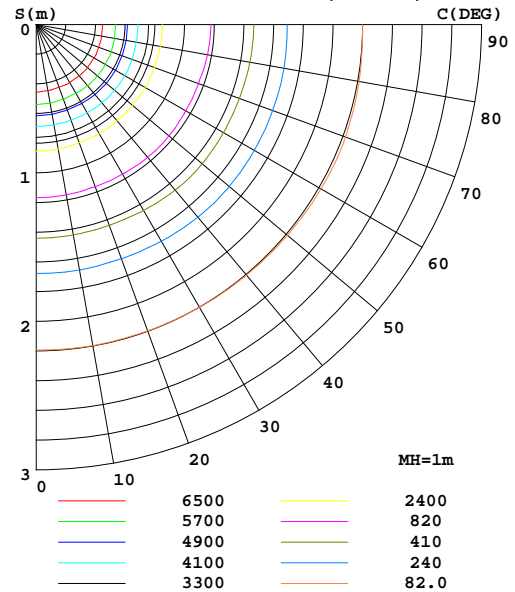
Test:U:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.68 lm/W			
MODEL	1	Imax(cd)	9030	S/MH(C0/180)	1.28
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	18843	η UP,DN(C0-180)	0.3,49.5
NOMINAL FLUX(lm)	18843.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,49.8
LAMPS INSIDE	1	η up(%)	0.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	240	η down(%)	99.3	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	8575	8512	8575	8564	8576	8595	8631	8591	0- 10	796.5	796.5	4.23,4.23
20	8805	8709	8700	8725	8857	8948	8934	8914	10- 20	2496	3293	17.5,17.5
30	8231	8223	8108	8025	8271	8314	8218	8259	20- 30	3972	7265	38.6,38.6
40	5516	5517	5491	5448	5688	5564	5512	5587	30- 40	4421	11686	62,62
50	2811	2883	2931	2829	2842	2708	2716	2770	40- 50	3088	14775	78.4,78.4
60	1687	1771	1738	1737	1727	1710	1731	1667	50- 60	1996	16771	89,89
70	799.7	828.3	785.9	769.0	815.6	826.6	827.5	783.0	60- 70	1212	17983	95.4,95.4
80	283.8	276.7	243.9	240.7	298.6	307.6	330.0	333.3	70- 80	567.9	18551	98.5,98.5
90	92.77	93.49	93.16	97.34	97.40	92.25	91.79	94.19	80- 90	168.8	18720	99.3,99.3
100	131.4	129.8	135.7	105.7	92.82	97.05	126.2	123.8	90-100	115.1	18835	100,100
110	0	0	0	0	0	0	0	0	100-110	7.925	18843	100,100
120	0	0	0	0	0	0	0	0	110-120	0	18843	100,100
130	0	0	0	0	0	0	0	0	120-130	0	18843	100,100
140	0	0	0	0	0	0	0	0	130-140	0	18843	100,100
150	0	0	0	0	0	0	0	0	140-150	0	18843	100,100
160	0	0	0	0	0	0	0	0	150-160	0	18843	100,100
170	0	0	0	0	0	0	0	0	160-170	0	18843	100,100
180	0	0	0	0	0	0	0	0	170-180	0	18843	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 13429 lm

%lum = 71.3%

%lamp = 71.3%

Conical surface Flux(120deg): 16771 lm

%lum = 89.0%

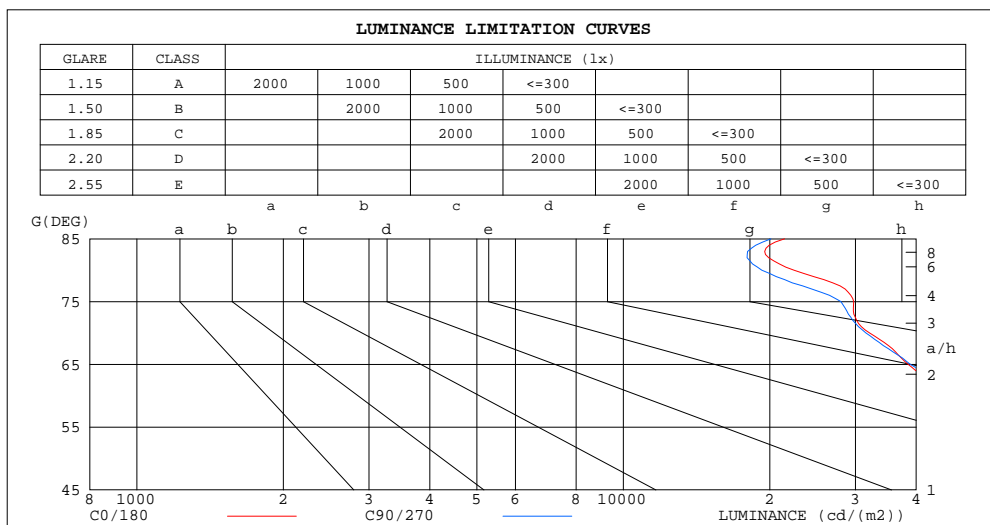
%lamp = 89.0%

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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	21456	20107
80	22422	19264
75	29751	27996
70	32073	31521
65	38499	38881
60	46279	47671
55	53088	56471
50	59984	62556
45	76601	77370

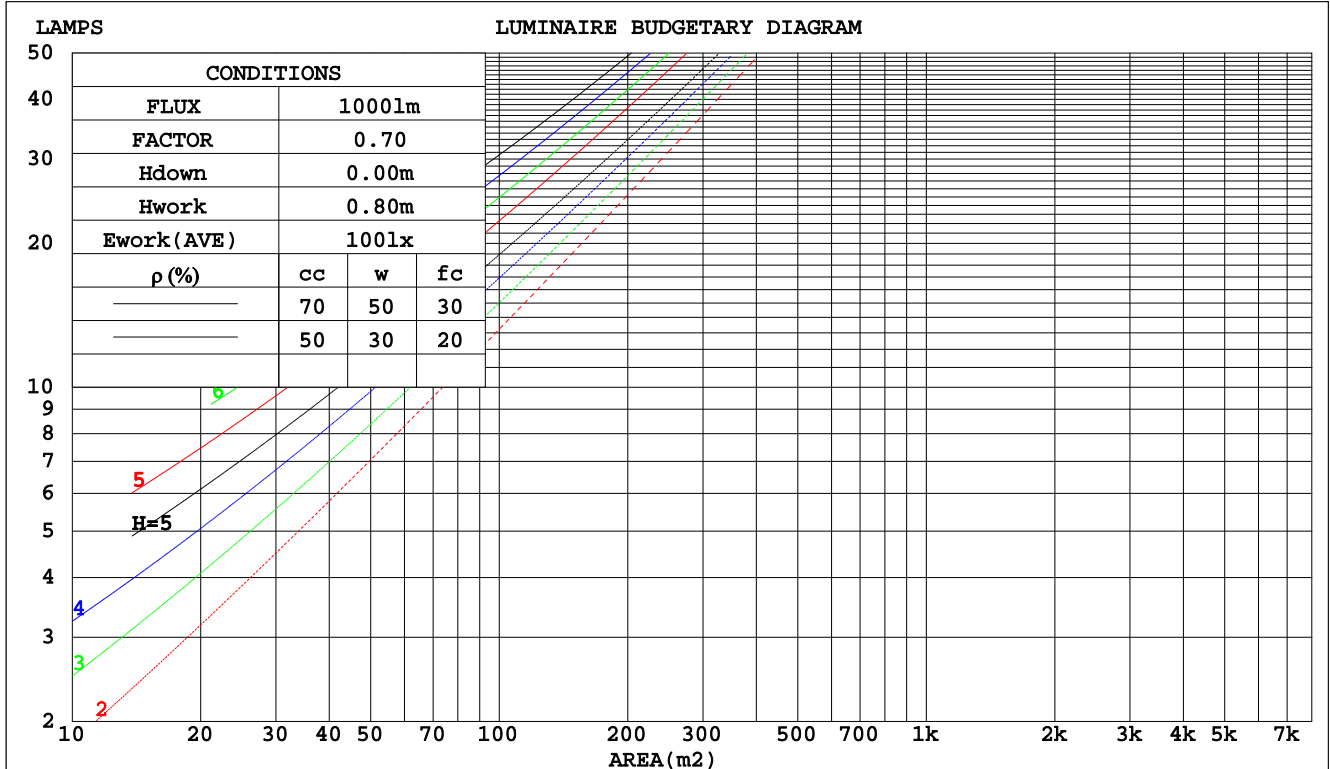
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	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	.00	1.04	1.01	.98	1.00	.97	.95	.96	.94	.92	.93	.91	.89	.87
2.0	.95	.90	.85	.94	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.86	.79	.73	.84	.78	.72	.81	.76	.71	.78	.74	.70	.76	.72	.69	.67
4.0	.77	.70	.64	.76	.69	.63	.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	.55	.50	.60	.54	.49	.58	.53	.49	.47
7.0	.59	.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	.51	.45	.40	.49	.44	.40	.38
9.0	.50	.42	.37	.49	.42	.37	.48	.41	.37	.47	.41	.37	.46	.40	.36	.35
10.0	.46	.39	.34	.46	.39	.34	.45	.38	.34	.44	.38	.34	.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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	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	.253	.144	.046	.246	.140	.045	.233	.134	.043	.220	.127	.041	.209	.121	.039	
2.0	.242	.133	.041	.236	.130	.040	.225	.125	.039	.214	.120	.038	.204	.115	.036	
3.0	.228	.122	.036	.223	.119	.036	.213	.115	.035	.203	.112	.034	.195	.108	.033	
4.0	.214	.111	.033	.210	.110	.032	.201	.106	.032	.192	.103	.031	.185	.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	.165	.087	.026	
7.0	.178	.088	.025	.175	.087	.025	.168	.085	.025	.162	.083	.024	.157	.081	.024	
8.0	.168	.082	.023	.165	.081	.023	.159	.080	.023	.154	.078	.022	.149	.076	.022	
9.0	.159	.077	.021	.156	.076	.021	.151	.075	.021	.146	.073	.021	.142	.072	.021	
10.0	.151	.072	.020	.148	.072	.020	.143	.070	.020	.139	.069	.020	.135	.068	.019	

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	.162	.144	.155	.139	.124	.106	.095	.086	.061	.055	.050	.020	.018	.016	
2.0	.171	.137	.109	.146	.118	.094	.100	.082	.066	.058	.048	.039	.019	.015	.013	
3.0	.162	.119	.085	.139	.103	.074	.095	.071	.052	.055	.042	.031	.018	.014	.010	
4.0	.153	.105	.069	.132	.091	.060	.091	.063	.042	.052	.037	.025	.017	.012	.008	
5.0	.146	.095	.057	.125	.082	.049	.086	.057	.035	.050	.034	.021	.016	.011	.007	
6.0	.139	.086	.048	.120	.074	.042	.082	.052	.029	.048	.031	.018	.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	.042	.020	.042	.025	.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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm										
NAME: ECOHB200LSE5G7 with PC Reflector and lens					TYPE:Highbay			WEIGHT:		
SPEC.:DIP120W					DIM.: D330			SERIAL No.:		
MFR.: Eastfield					SUR.:D270			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	25.9	27.2	26.2	27.4	27.6	26.0	27.3	26.3	27.5	27.8
3H	26.5	27.8	26.8	28.0	28.2	26.7	27.9	27.0	28.1	28.3
4H	26.8	27.9	27.1	28.2	28.5	26.9	28.0	27.2	28.3	28.6
6H	27.0	28.0	27.3	28.3	28.6	27.0	28.1	27.3	28.4	28.6
8H	27.0	28.0	27.3	28.3	28.6	27.0	28.1	27.4	28.3	28.6
12H	27.0	28.0	27.4	28.3	28.6	27.0	28.0	27.4	28.3	28.6
4H 2H	26.2	27.3	26.5	27.6	27.8	26.3	27.4	26.6	27.7	27.9
3H	27.0	28.0	27.3	28.3	28.6	27.1	28.1	27.5	28.4	28.7
4H	27.4	28.3	27.7	28.6	28.9	27.5	28.4	27.8	28.7	29.0
6H	27.6	28.4	28.0	28.8	29.1	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	28.2	28.8	29.2	27.7	28.4	28.2	28.8	29.2
8H 4H	27.5	28.2	27.9	28.6	29.0	27.6	28.3	28.0	28.7	29.1
6H	27.8	28.4	28.3	28.8	29.3	27.8	28.4	28.3	28.9	29.3
8H	27.9	28.5	28.4	28.9	29.3	27.9	28.5	28.4	28.9	29.3
12H	28.0	28.5	28.5	28.9	29.4	28.0	28.5	28.5	28.9	29.4
12H 4H	27.4	28.1	27.9	28.5	28.9	27.5	28.2	28.0	28.6	29.0
6H	27.8	28.4	28.3	28.8	29.2	27.8	28.4	28.3	28.8	29.3
8H	27.9	28.4	28.4	28.9	29.3	27.9	28.4	28.4	28.9	29.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.5 / - 0.7				
1.5H	+ 0.7 / - 0.6					+ 0.6 / - 0.5				
2.0H	+ 0.9 / - 0.7					+ 0.8 / - 0.6				

CIE Pub.117, 18843 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 10.2$)
Area: 0.0729 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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

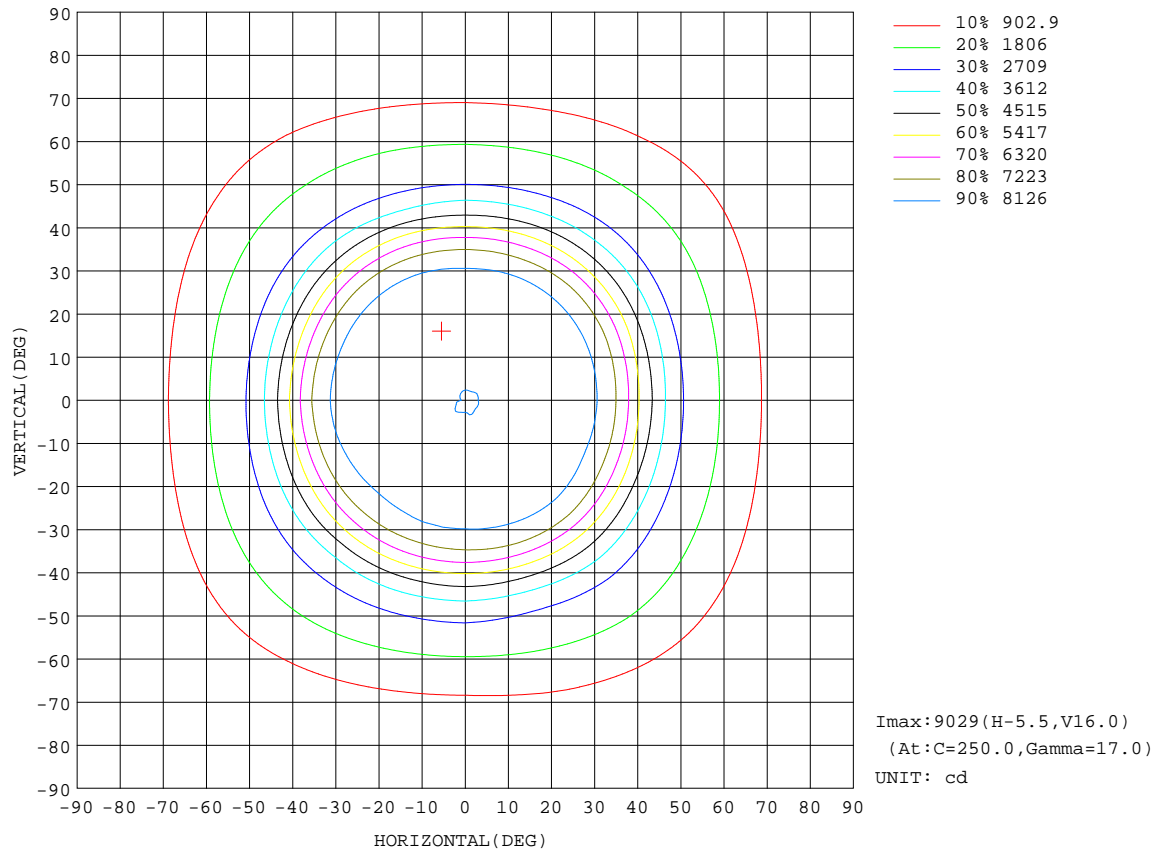
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	58	52	67	58	52	66	57	52	46
0.80	77	68	62	76	67	62	75	67	61	55
1.00	85	76	70	84	75	70	82	76	69	63
1.25	91	83	77	90	82	76	87	80	76	70
1.50	95	87	82	94	86	81	91	85	80	74
2.00	100	94	89	99	93	88	96	90	86	80
2.50	103	97	92	102	96	92	98	93	90	82
3.00	106	101	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



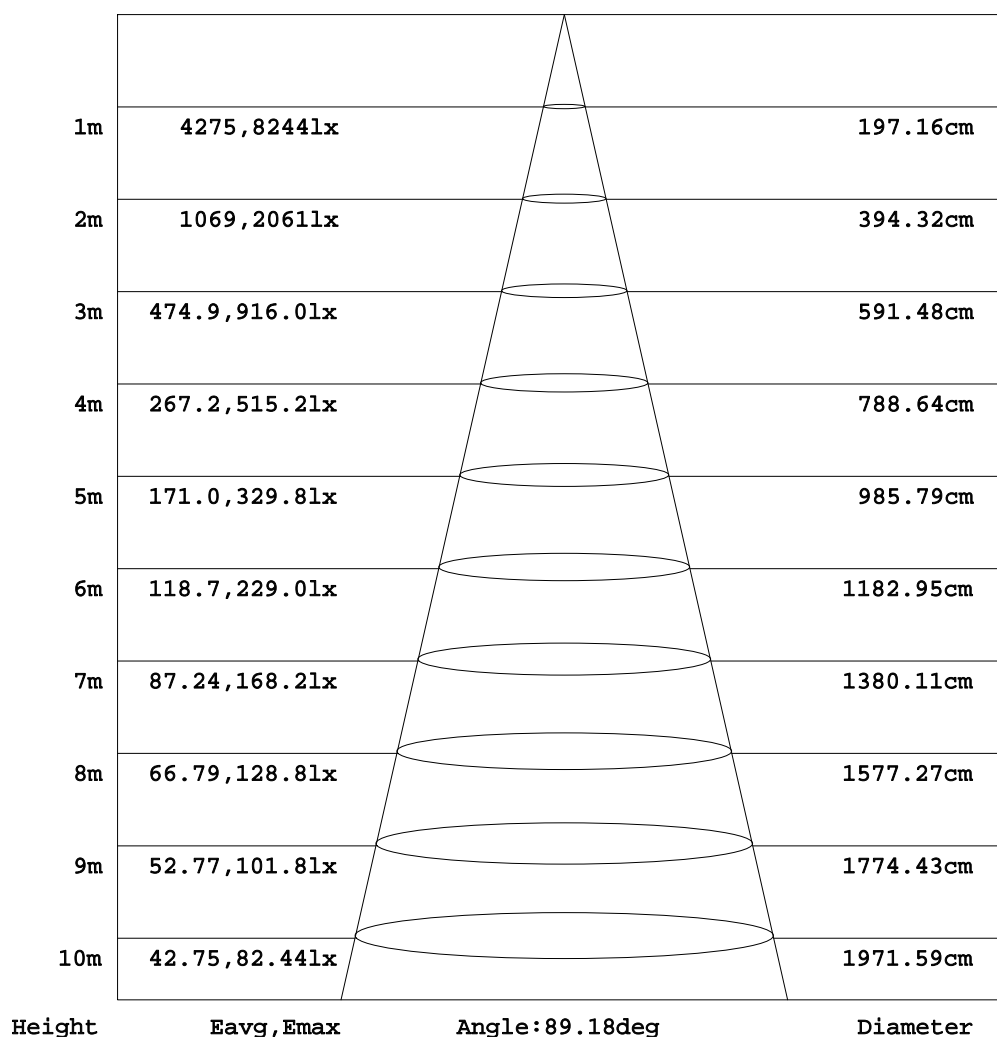
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 01
 Test Date: 2023-03-02

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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Flux out:13429 lm



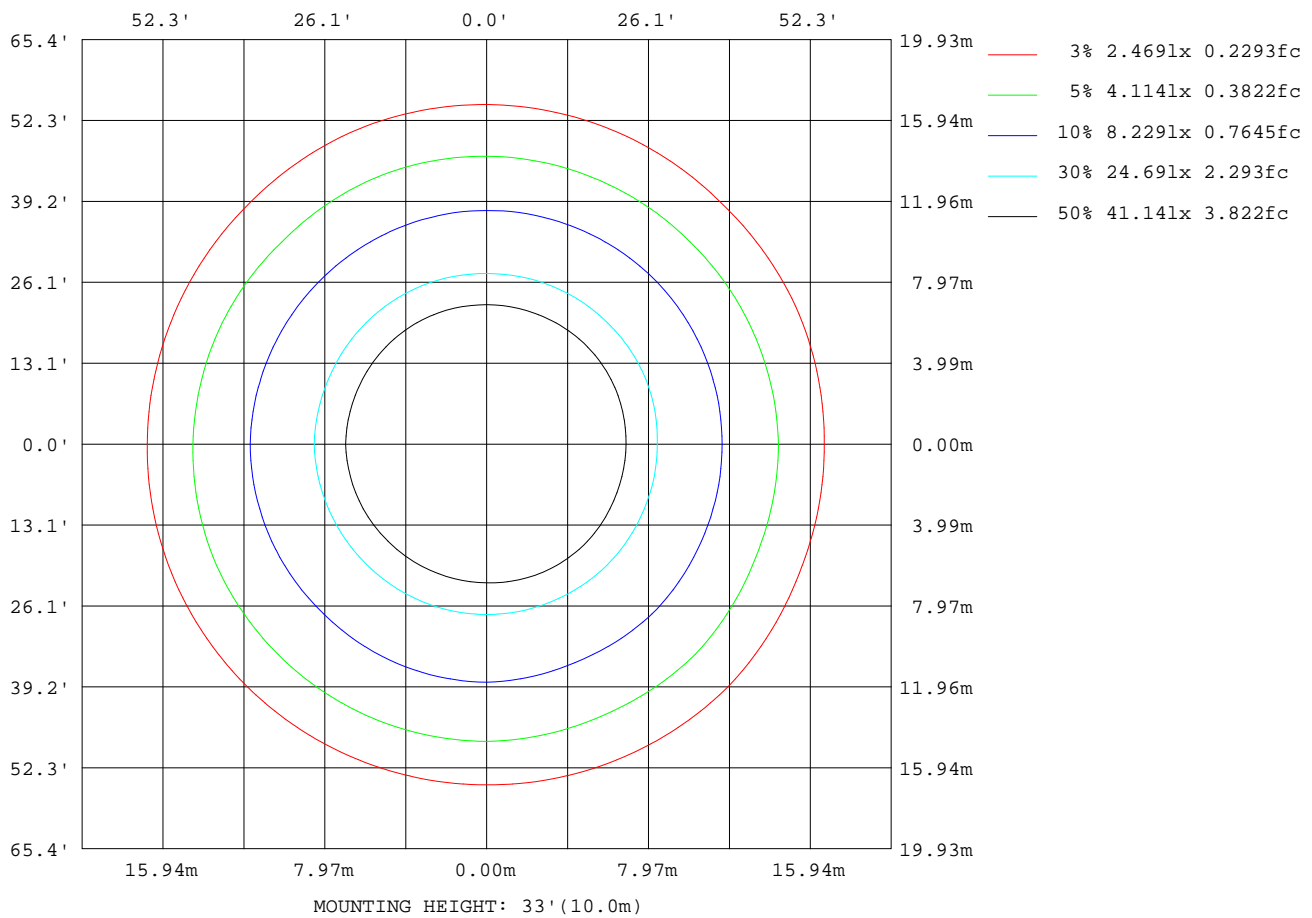
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP120W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

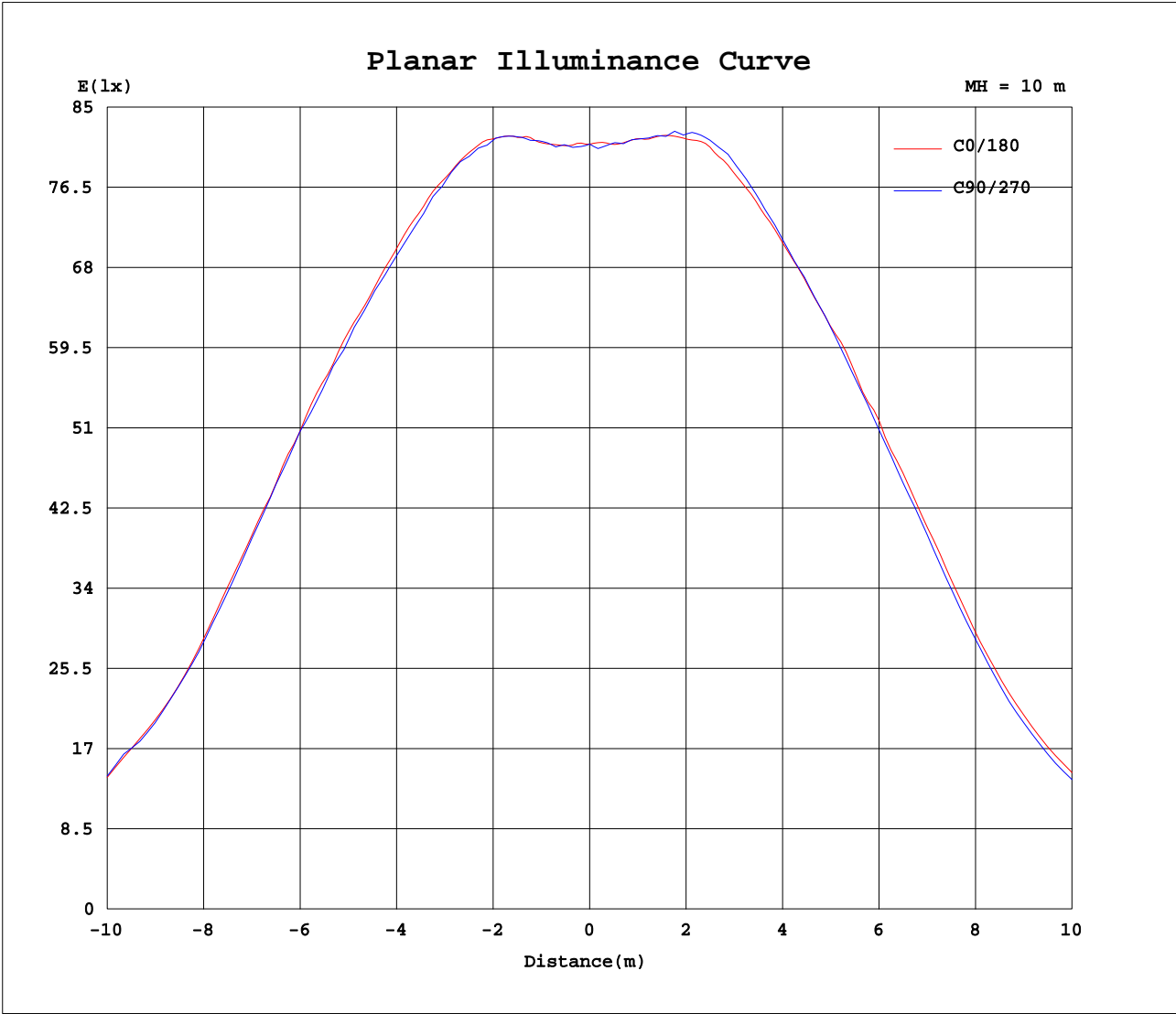
AvgL	cd/m2
L_0~180(65)av	39120
L_0~180(75)av	29391
L_0~180(85)av	22017
L_90~270(65)av	39141
L_90~270(75)av	27902
L_90~270(85)av	21221
L_45(65)av	38923
L_45(75)av	28083
L_45(85)av	21673

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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm																		
NAME: ECOHB200LSE5G7 with PC Reflector and lens										TYPE:Highbay					WEIGHT:			
SPEC.:DIP120W										DIM.: D330					SERIAL No.:			
MFR.: Eastfield										SUR.:D270					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	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107
5	8204	8200	8198	8196	8195	8195	8204	8212	8218	8220	8207	8194	8182	8176	8183	8191	8200	8209	8216
10	8575	8560	8546	8532	8519	8513	8512	8511	8511	8512	8516	8522	8526	8531	8539	8549	8559	8569	8575
15	8803	8780	8758	8736	8716	8707	8707	8708	8709	8711	8717	8722	8728	8733	8742	8754	8762	8776	8789
20	8805	8786	8769	8752	8736	8725	8721	8716	8711	8709	8709	8710	8711	8713	8711	8707	8704	8702	8700
25	8594	8590	8585	8579	8573	8572	8575	8579	8582	8584	8583	8583	8584	8584	8579	8568	8557	8545	8530
30	8231	8202	8179	8157	8138	8138	8162	8181	8204	8223	8219	8204	8191	8175	8158	8148	8129	8124	8108
35	7207	7198	7190	7183	7173	7184	7208	7235	7260	7283	7277	7272	7257	7246	7227	7203	7182	7159	7148
40	5516	5512	5504	5495	5489	5489	5496	5504	5512	5517	5508	5498	5488	5478	5476	5479	5483	5487	5491
45	3949	3976	3990	4010	4013	4014	4005	3989	3972	3958	3946	3934	3922	3910	3919	3943	3968	3993	3988
50	2811	2810	2807	2803	2804	2812	2829	2849	2866	2883	2868	2853	2836	2820	2827	2856	2880	2910	2931
55	2220	2219	2220	2220	2219	2231	2254	2278	2300	2320	2315	2309	2303	2298	2303	2317	2332	2346	2361
60	1687	1689	1691	1692	1693	1702	1721	1738	1755	1771	1769	1767	1764	1762	1758	1754	1749	1745	1738
65	1186	1188	1190	1190	1191	1195	1202	1209	1216	1222	1228	1233	1239	1244	1241	1231	1222	1209	1198
70	800	802	804	805	806	809	814	819	824	828	831	834	837	840	835	823	811	799	786
75	561	562	562	563	563	563	562	561	560	559	563	566	570	573	569	558	548	536	528
80	284	286	287	288	289	288	285	283	280	277	278	278	279	279	276	268	260	253	244
85	136	137	138	138	139	139	139	139	139	139	138	138	138	137	136	134	132	130	128
90	92.8	92.7	92.7	92.6	92.6	92.7	92.9	93.1	93.3	93.5	93.6	93.7	93.8	93.9	93.9	93.7	93.5	93.3	93.2
95	102	102	102	102	101	101	102	102	102	102	102	102	103	103	103	103	103	104	104
100	131	127	119	119	120	130	131	121	128	130	123	126	128	126	125	128	122	114	136
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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm																			
NAME: ECOHB200LSE5G7 with PC Reflector and lens										TYPE:Highbay					WEIGHT:				
SPEC.:DIP120W										DIM.: D330					SERIAL No.:				
MFR.: Eastfield										SUR.:D270					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	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107
5	8216	8217	8217	8215	8209	8203	8197	8194	8190	8206	8218	8231	8241	8246	8247	8246	8246	8245	8237
10	8571	8565	8561	8557	8557	8557	8558	8559	8564	8577	8591	8604	8615	8615	8606	8596	8586	8576	8583
15	8783	8780	8780	8778	8782	8788	8793	8799	8805	8813	8822	8832	8837	8842	8847	8847	8849	8849	8858
20	8698	8698	8698	8699	8701	8707	8712	8717	8725	8727	8734	8741	8747	8764	8787	8812	8835	8857	8872
25	8531	8527	8524	8520	8519	8520	8520	8521	8524	8535	8548	8560	8573	8593	8621	8650	8678	8705	8718
30	8110	8117	8103	8110	8090	8065	8049	8033	8025	8049	8075	8099	8127	8154	8189	8220	8251	8271	8278
35	7127	7117	7106	7097	7093	7093	7094	7095	7099	7124	7149	7176	7201	7232	7262	7294	7327	7359	7340
40	5483	5476	5468	5461	5455	5453	5450	5448	5448	5464	5482	5500	5518	5544	5579	5614	5649	5688	5653
45	4000	3989	3984	3978	3967	3948	3928	3907	3888	3894	3908	3919	3935	3958	3986	4022	4056	4092	4052
50	2923	2907	2899	2884	2873	2862	2851	2839	2829	2831	2834	2836	2841	2843	2840	2842	2845	2842	2830
55	2358	2357	2355	2353	2351	2347	2343	2340	2336	2334	2333	2330	2328	2319	2306	2292	2278	2264	2251
60	1740	1738	1738	1737	1736	1736	1736	1736	1737	1735	1735	1734	1732	1732	1731	1729	1728	1727	1721
65	1198	1200	1198	1198	1197	1195	1193	1191	1190	1194	1197	1200	1204	1207	1211	1216	1220	1224	1217
70	787	787	787	786	785	780	776	772	769	772	776	781	785	790	796	803	809	816	810
75	526	528	527	528	525	520	515	511	506	509	511	514	517	521	528	534	541	548	542
80	244	242	240	239	238	239	239	240	241	246	252	257	263	269	277	284	291	299	299
85	127	127	126	126	126	127	128	128	129	131	132	134	135	137	139	140	142	143	143
90	93.4	93.6	93.9	94.1	94.6	95.3	96.0	96.7	97.3	97.8	98.3	98.8	99.3	99.3	98.8	98.3	97.9	97.4	96.6
95	104	104	105	105	105	106	106	106	107	107	107	108	108	108	107	106	105	104	104
100	112	119	119	114	112	111	107	101	106	102	94.0	101	98.9	89.3	86.2	85.3	90.0	92.8	88.6
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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm																		
NAME: ECOHB200LSE5G7 with PC Reflector and lens										TYPE:Highbay					WEIGHT:			
SPEC.:DIP120W										DIM.: D330					SERIAL No.:			
MFR.: Eastfield										SUR.:D270					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	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107
5	8228	8220	8212	8208	8209	8215	8219	8224	8225	8226	8225	8224	8226	8229	8234	8241	8248	8249	8247
10	8588	8593	8600	8602	8600	8599	8597	8595	8599	8605	8611	8617	8621	8621	8620	8625	8631	8625	8615
15	8865	8873	8879	8890	8910	8928	8945	8962	8969	8972	8975	8978	8977	8974	8969	8965	8959	8953	8946
20	8886	8898	8911	8921	8929	8936	8943	8948	8958	8967	8976	8986	8986	8975	8962	8949	8934	8934	8935
25	8731	8743	8755	8759	8752	8746	8740	8734	8733	8734	8733	8733	8733	8728	8724	8721	8713	8717	8719
30	8274	8269	8263	8267	8279	8290	8303	8314	8310	8301	8292	8284	8272	8256	8243	8226	8218	8222	8237
35	7320	7301	7282	7273	7272	7274	7275	7279	7273	7270	7261	7255	7248	7236	7225	7213	7211	7204	7208
40	5621	5590	5559	5545	5549	5553	5558	5564	5566	5566	5568	5571	5565	5551	5536	5523	5512	5517	5526
45	4014	3975	3943	3924	3922	3925	3923	3926	3925	3924	3925	3929	3930	3926	3918	3912	3881	3916	3929
50	2813	2796	2782	2767	2751	2737	2722	2708	2706	2706	2705	2704	2705	2708	2710	2713	2716	2718	2717
55	2239	2226	2214	2199	2182	2165	2147	2131	2135	2140	2145	2150	2151	2147	2142	2138	2131	2130	2125
60	1716	1711	1706	1705	1705	1707	1708	1710	1717	1724	1732	1740	1742	1739	1736	1733	1731	1725	1719
65	1209	1202	1195	1194	1201	1208	1215	1221	1227	1234	1240	1247	1246	1239	1232	1223	1214	1208	1202
70	805	799	794	795	803	810	818	827	827	828	828	829	829	830	830	829	828	823	817
75	537	531	526	525	528	530	533	536	535	533	531	530	529	528	527	527	525	526	525
80	299	299	299	300	302	304	306	308	308	309	309	310	313	317	321	325	330	330	329
85	143	143	142	142	142	141	141	141	141	140	140	140	140	140	141	142	142	142	142
90	95.9	95.1	94.4	93.8	93.4	93.0	92.6	92.3	92.3	92.3	92.3	92.3	92.2	92.1	92.0	91.9	91.8	91.7	91.6
95	103	102	101	100	100.0	99.5	99.0	98.7	98.9	99.2	99.4	99.6	99.6	99.4	99.2	99.0	98.8	98.9	98.9
100	82.6	82.1	83.7	91.8	93.4	86.7	93.7	97.1	93.0	98.3	103	104	106	110	110	104	126	106	114
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:240.83V I:0.5237A P:122.61W PF:0.9721 Freq:49.99Hz Lamp Flux:18843.1x1 lm																	
NAME: ECOHB200LSE5G7 with PC Reflector and lens									TYPE:Highbay						WEIGHT:		
SPEC.:DIP120W									DIM.: D330						SERIAL No.:		
MFR.: Eastfield									SUR.:D270						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	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107	8107				
5	8243	8240	8238	8236	8236	8235	8234	8229	8223	8215	8209	8206	8205	8205	8204				
10	8611	8610	8607	8601	8598	8595	8591	8587	8582	8578	8574	8572	8572	8573	8574				
15	8940	8931	8923	8912	8900	8889	8878	8873	8869	8866	8863	8855	8842	8828	8815				
20	8935	8935	8933	8929	8924	8920	8914	8904	8892	8881	8869	8856	8843	8830	8817				
25	8721	8723	8724	8724	8724	8724	8724	8712	8699	8685	8671	8656	8641	8627	8611				
30	8249	8262	8268	8267	8264	8261	8259	8256	8253	8249	8244	8241	8235	8231	8228				
35	7208	7211	7220	7237	7257	7273	7290	7296	7301	7303	7308	7296	7277	7253	7229				
40	5534	5543	5552	5561	5570	5578	5587	5602	5614	5627	5639	5633	5604	5577	5549				
45	3944	3961	3974	3981	3988	3994	4000	4013	4024	4034	4045	4041	4016	3999	3982				
50	2721	2721	2726	2738	2749	2759	2770	2777	2784	2788	2794	2799	2801	2806	2809				
55	2121	2116	2113	2112	2111	2110	2110	2121	2132	2144	2156	2168	2181	2194	2206				
60	1712	1706	1699	1691	1683	1675	1667	1675	1684	1692	1700	1703	1700	1696	1692				
65	1195	1187	1182	1177	1172	1167	1163	1172	1181	1191	1201	1203	1200	1196	1191				
70	810	804	799	795	791	786	783	791	799	808	817	819	815	810	805				
75	525	525	524	523	521	519	517	524	531	538	545	550	553	556	558				
80	329	328	329	330	331	332	333	332	331	329	328	323	314	305	294				
85	142	142	142	142	142	142	142	142	143	144	144	143	142	140	138				
90	91.5	91.4	91.7	92.4	93.0	93.6	94.2	94.4	94.6	94.8	95.0	94.9	94.4	93.9	93.3				
95	99.0	99.0	99.2	99.3	99.5	99.8	99.8	99.6	99.5	99.3	98.9	99.4	100	101	101				
100	120	118	119	121	119	117	124	122	116	125	125	116	116	117	126				
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: