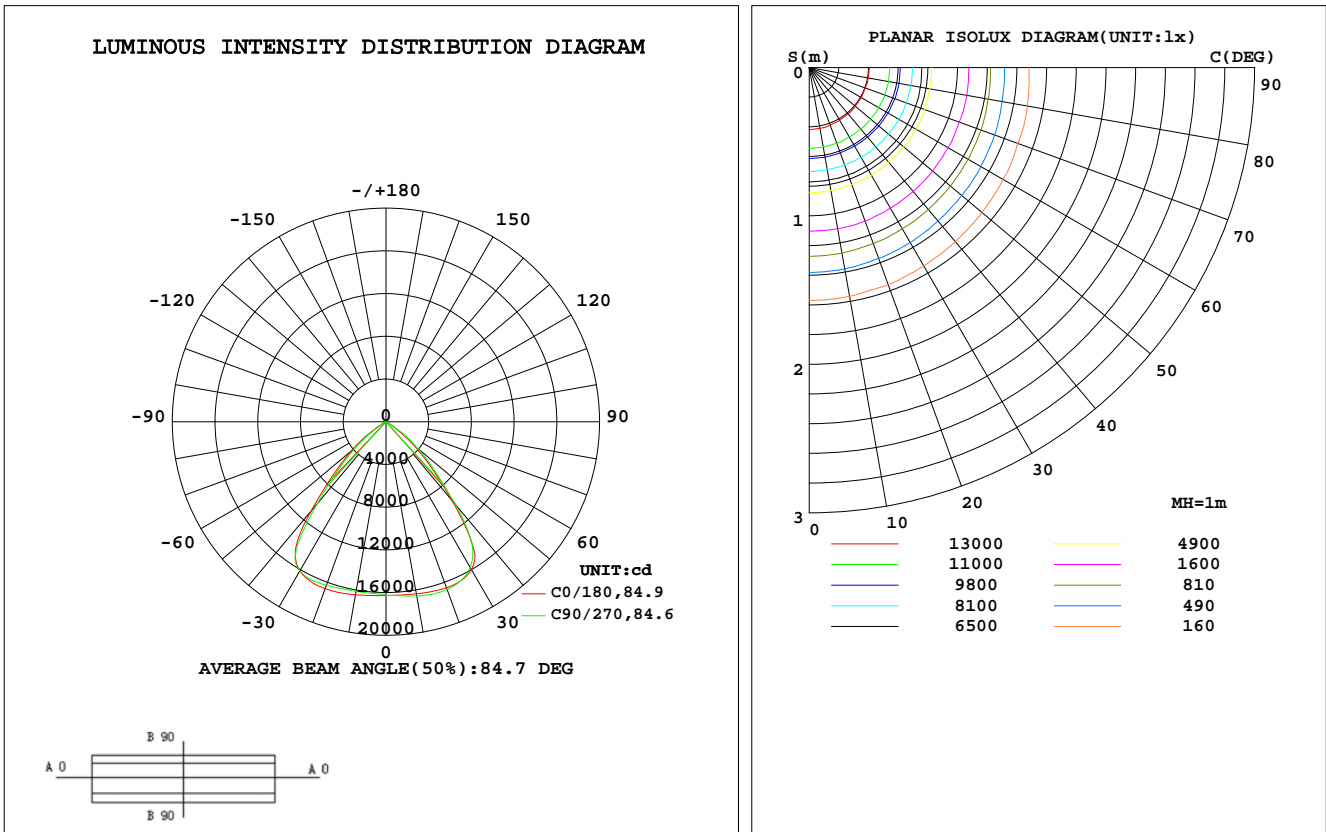


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm					
NAME: ECOHB200LSE5G7 with AL Reflector			TYPE:Highbay		WEIGHT:
SPEC.:DIP170W			DIM.: D330		SERIAL No.:
MFR.: Eastfield			SUR.:D270		Shielding Angle:

DATA OF LAMP			PHOTOMETRIC DATA Eff: 169.78 lm/W		
MODEL	1		Imax(cd)	16748	S/MH(C0/180)
NOMINAL POWER(W)	200		LOR(%)	100.0	S/MH(C90/270)
RATED VOLTAGE(V)	240		TOTAL FLUX(lm)	29074	η UP,DN(C0-180)
NOMINAL FLUX(lm)	29073.9		CIE CLASS	DIRECT	η UP,DN(C180-360)
LAMPS INSIDE	1		η up(%)	0.0	CIBSE SHR NOM
TEST VOLTAGE(V)	240		η down(%)	100.0	CIBSE SHR MAX



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	1645	1624	1613	1615	1636	1650	1656	1650	0- 10	1555	1555	5.35,5.35
20	1664	1639	1629	1633	1655	1671	1672	1665	10- 20	4667	6222	21.4,21.4
30	1612	1606	1612	1603	1598	1589	1576	1581	20- 30	7573	13795	47.4,47.4
40	1095	1058	1004	950.1	959.2	950.4	1013	1080	30- 40	8635	22430	77.1,77.1
50	420.4	383.5	348.3	314.7	332.0	352.3	393.2	425.6	40- 50	4964	27395	94.2,94.2
60	40.29	33.52	24.74	20.72	22.73	29.67	35.52	46.60	50- 60	1495	28890	99.4,99.4
70	7.069	5.944	3.867	3.394	4.566	6.351	7.069	6.949	60- 70	138.6	29029	99.8,99.8
80	2.470	1.940	1.116	0.9156	1.503	2.399	2.762	2.477	70- 80	37.26	29066	100,100
90	0.0002	0	0	0	0	0	0	0.0117	80- 90	8.526	29074	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0007	29074	100,100
110	0	0	0	0	0	0	0	0	100-110	0	29074	100,100
120	0	0	0	0	0	0	0	0	110-120	0	29074	100,100
130	0	0	0	0	0	0	0	0	120-130	0	29074	100,100
140	0	0	0	0	0	0	0	0	130-140	0	29074	100,100
150	0	0	0	0	0	0	0	0	140-150	0	29074	100,100
160	0	0	0	0	0	0	0	0	150-160	0	29074	100,100
170	0	0	0	0	0	0	0	0	160-170	0	29074	100,100
180	0	0	0	0	0	0	0	0	170-180	0	29074	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 25405 lm

%lum = 87.4%

%lamp = 87.4%

Conical surface Flux(120deg): 28890 lm

%lum = 99.4%

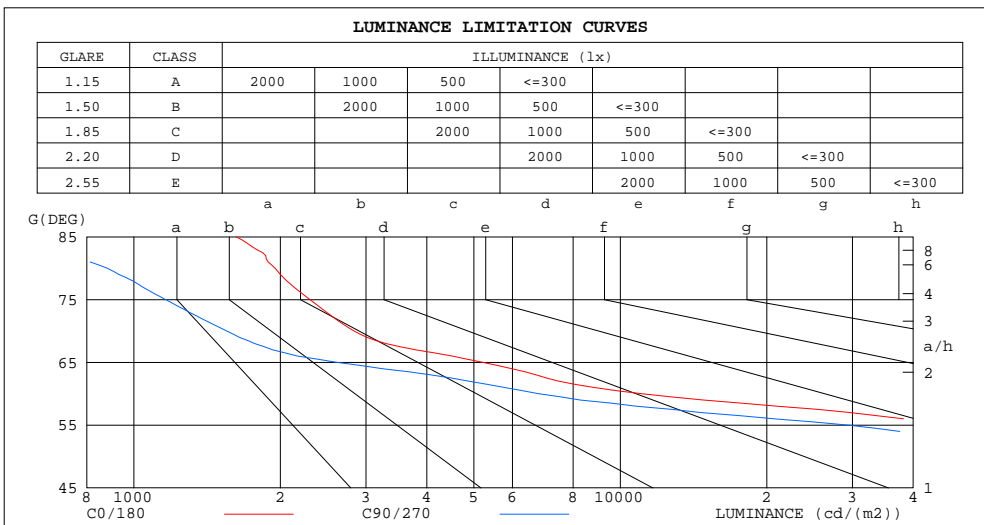
%lamp = 99.4%

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:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm		
NAME: ECOHB200LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1623	411
80	1951	881
75	2301	1162
70	2835	1551
65	5207	2609
60	11053	6786
55	47977	29280
50	89715	74338
45	133931	120171

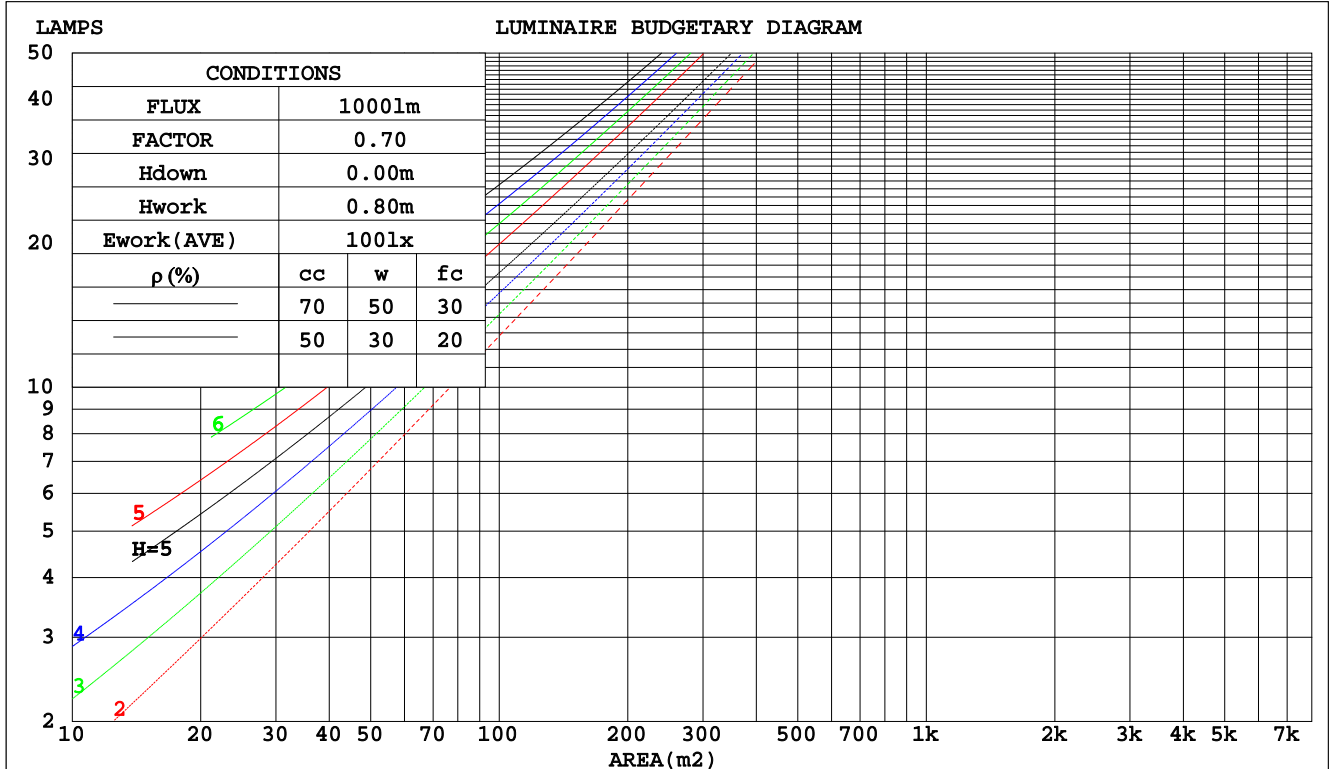
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm		
NAME: ECOHB200LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	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															



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:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm					
NAME: ECOHB200LSE5G7 with AL Relfector			TYPE:Highbay		WEIGHT:
SPEC.:DIP170W			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	.205	.117	.037	.198	.113	.036	.185	.106	.034	.174	.100	.032	.163	.094	.030	
2.0	.200	.110	.034	.195	.107	.033	.184	.102	.032	.174	.097	.030	.164	.093	.029	
3.0	.193	.103	.031	.188	.101	.030	.178	.097	.029	.170	.093	.029	.162	.089	.028	
4.0	.185	.096	.028	.180	.094	.028	.172	.091	.027	.164	.088	.027	.157	.085	.026	
5.0	.176	.090	.026	.172	.089	.026	.165	.086	.025	.158	.084	.025	.152	.081	.024	
6.0	.168	.084	.024	.165	.083	.024	.158	.081	.024	.152	.079	.023	.147	.077	.023	
7.0	.160	.079	.022	.157	.078	.022	.152	.077	.022	.146	.075	.022	.141	.073	.022	
8.0	.153	.075	.021	.150	.074	.021	.145	.073	.021	.140	.071	.020	.136	.070	.020	
9.0	.146	.071	.020	.144	.070	.020	.139	.069	.019	.135	.067	.019	.130	.066	.019	
10.0	.140	.067	.019	.137	.066	.019	.133	.065	.018	.129	.064	.018	.125	.063	.018	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.150	.114	.085	.128	.098	.074	.088	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.133	.088	.055	.115	.077	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.127	.080	.046	.109	.069	.040	.075	.048	.028	.044	.028	.017	.014	.009	.006	
7.0	.121	.072	.038	.104	.063	.033	.072	.044	.024	.042	.026	.014	.013	.008	.005	
8.0	.116	.067	.033	.099	.058	.029	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.095	.053	.025	.066	.038	.018	.038	.022	.011	.012	.007	.003	
10.0	.106	.057	.025	.091	.050	.022	.063	.035	.016	.037	.021	.009	.012	.007	.003	

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

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

UGR(Unified Glare Rating) Table

Test:U:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm										
NAME: ECOHB200LSE5G7 with AL Relfector					TYPE:Highbay			WEIGHT:		
SPEC.:DIP170W					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	26.5	27.6	26.7	27.8	28.0	26.0	27.2	26.3	27.4	27.6
3H	26.3	27.3	26.5	27.5	27.8	25.9	26.9	26.1	27.1	27.3
4H	26.2	27.2	26.5	27.4	27.6	25.8	26.8	26.0	27.0	27.2
6H	26.1	27.0	26.4	27.3	27.5	25.7	26.6	26.0	26.8	27.1
8H	26.0	26.9	26.4	27.2	27.5	25.6	26.5	25.9	26.8	27.0
12H	26.0	26.8	26.3	27.1	27.4	25.6	26.4	25.9	26.7	27.0
4H 2H	26.2	27.2	26.5	27.4	27.7	25.8	26.8	26.1	27.0	27.3
3H	26.0	26.9	26.4	27.2	27.4	25.6	26.5	25.9	26.7	27.0
4H	25.9	26.7	26.3	27.0	27.3	25.5	26.3	25.9	26.6	26.9
6H	25.8	26.5	26.2	26.9	27.2	25.4	26.1	25.8	26.4	26.8
8H	25.8	26.4	26.2	26.8	27.1	25.4	26.0	25.8	26.4	26.7
12H	25.8	26.3	26.2	26.7	27.1	25.3	25.9	25.8	26.3	26.7
8H 4H	25.8	26.4	26.2	26.8	27.1	25.4	26.0	25.8	26.4	26.7
6H	25.7	26.2	26.1	26.6	27.0	25.3	25.8	25.7	26.2	26.6
8H	25.7	26.1	26.1	26.5	27.0	25.2	25.7	25.7	26.1	26.6
12H	25.6	26.0	26.1	26.4	26.9	25.2	25.6	25.7	26.0	26.5
12H 4H	25.8	26.3	26.2	26.7	27.1	25.3	25.9	25.8	26.3	26.7
6H	25.7	26.1	26.1	26.5	27.0	25.2	25.7	25.7	26.1	26.6
8H	25.6	26.0	26.1	26.4	26.9	25.2	25.6	25.7	26.0	26.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 8.7					+ 2.5 / -11.4				
1.5H	+ 2.9 / - 5.5					+ 3.1 / - 6.4				
2.0H	+ 5.2 / -13.5					+ 5.4 / -14.2				

CIE Pub.117, 29074 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 11.7$)
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:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm		
NAME: ECOHB200LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

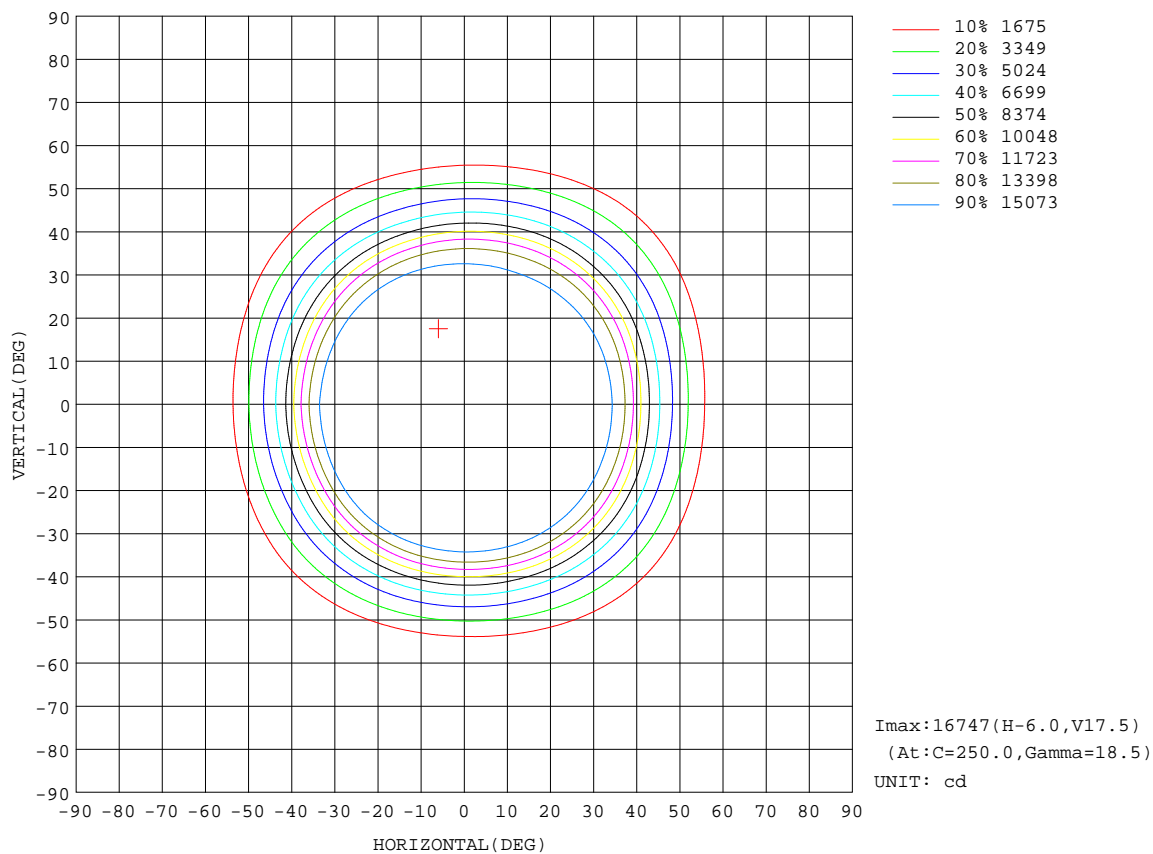
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	77	69	64	76	68	64	75	68	63	59
0.80	86	78	73	85	78	73	84	77	73	68
1.00	93	86	81	92	85	81	90	85	80	75
1.25	98	92	87	97	91	87	95	90	86	81
1.50	102	96	92	100	95	91	98	93	90	85
2.00	106	101	97	104	100	96	101	98	95	89
2.50	108	103	100	106	102	99	103	99	97	90
3.00	110	106	102	108	104	101	104	102	99	92
4.00	112	109	106	110	107	104	106	104	102	94
5.00	113	110	108	111	109	106	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

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

ISOCANDELA DIAGRAM

Test:U:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm		
NAME: ECOHB200LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



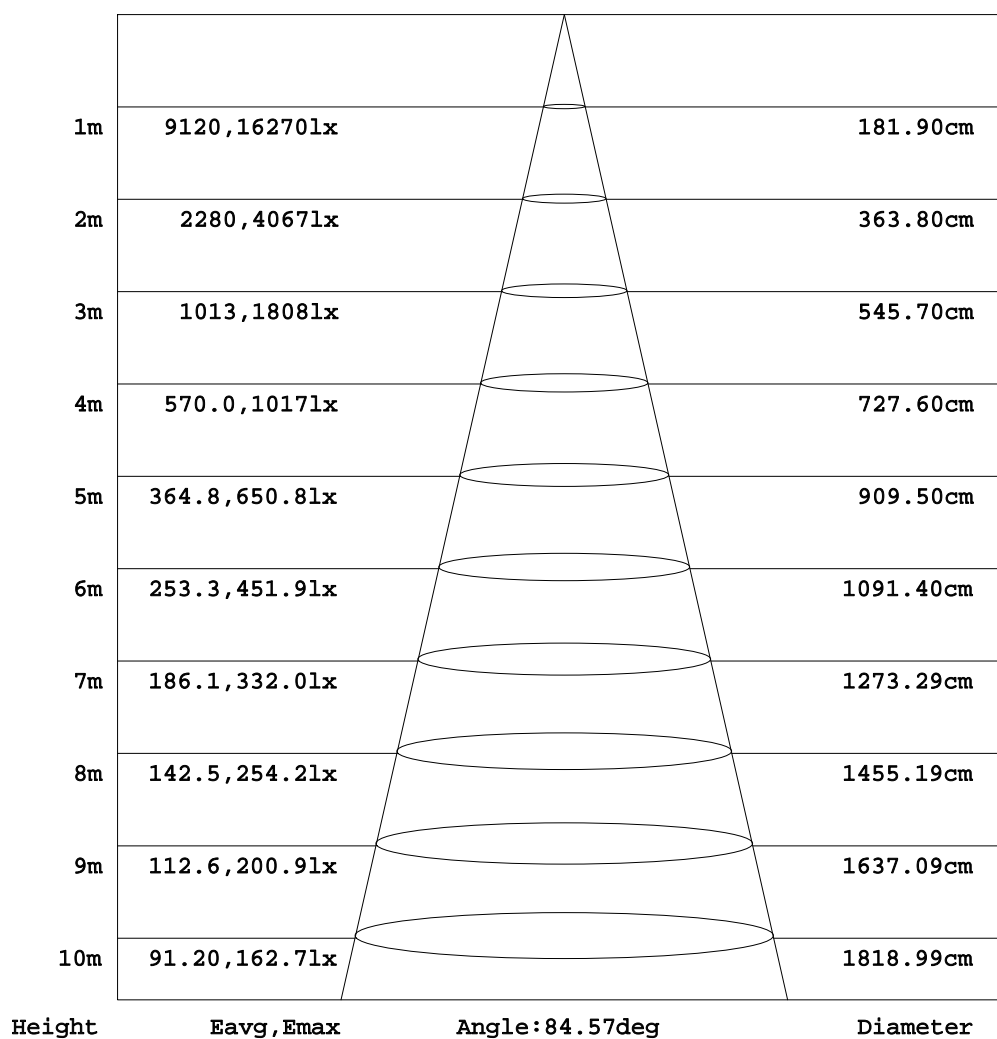
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm		
NAME: ECOHB200LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Flux out:24058 lm



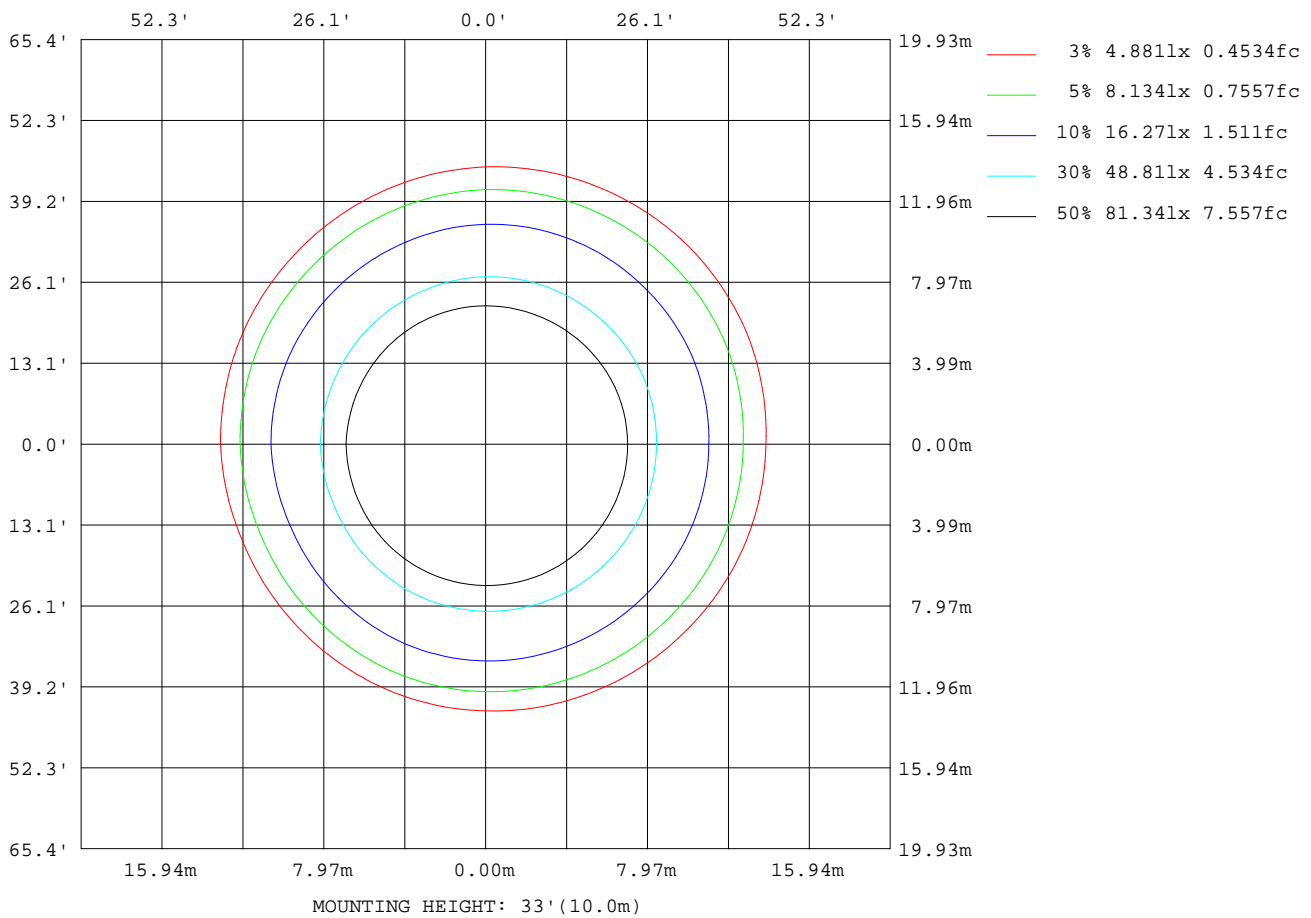
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm		
NAME: ECOHB200LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	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:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm		
NAME: ECOHB200LSE5G7 with AL Reflector	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

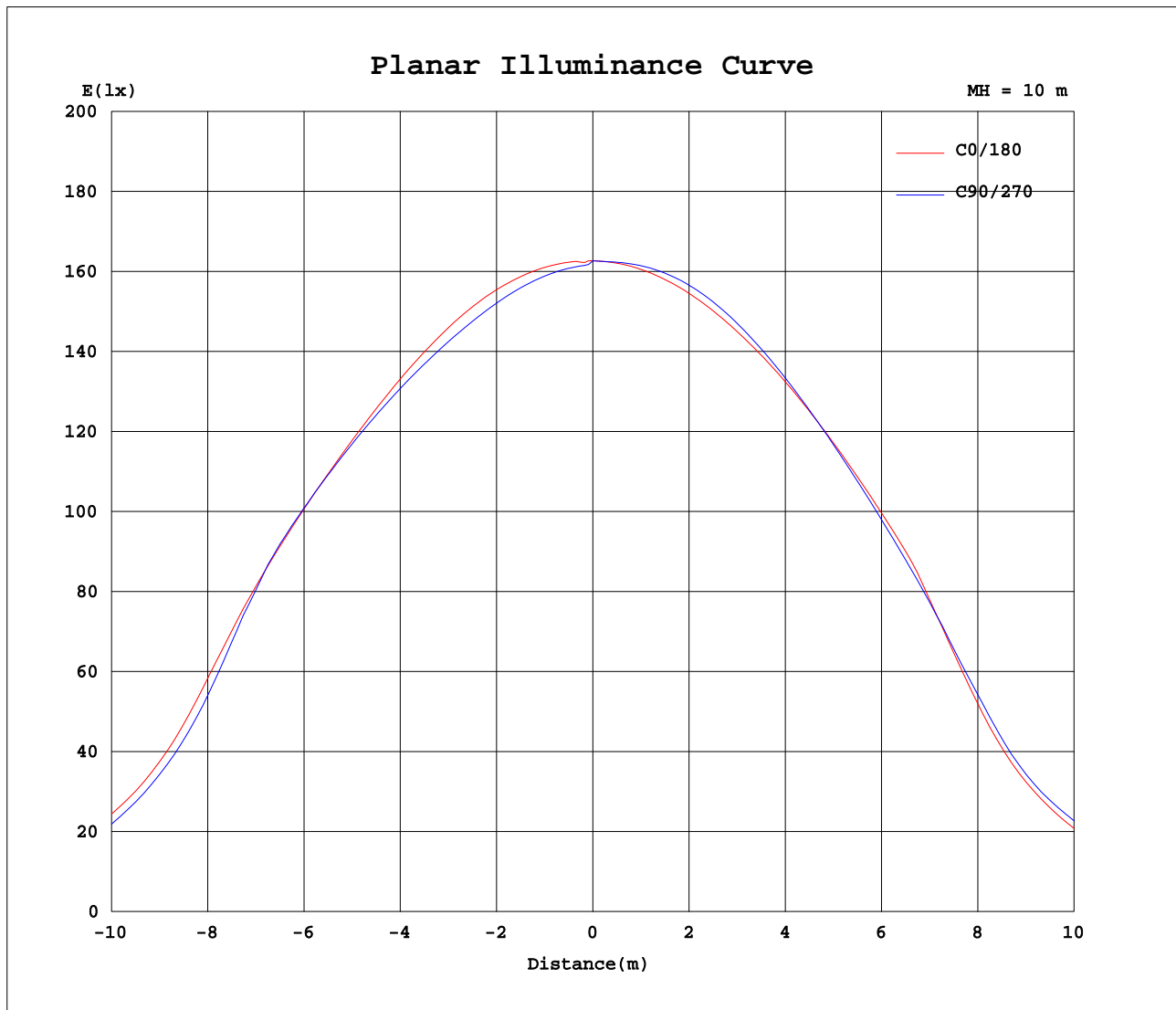
AvgL	cd/m2
L_0~180(65)av	4022
L_0~180(75)av	1859
L_0~180(85)av	1096
L_90~270(65)av	3838
L_90~270(75)av	1739
L_90~270(85)av	1116
L_45(65)av	3965
L_45(75)av	1797
L_45(85)av	1084

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:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm																	
NAME: ECOHB200LSE5G7 with AL Relfector									TYPE:Highbay						WEIGHT:		
SPEC.:DIP170W									DIM.: D330						SERIAL No.:		
MFR.: Eastfield									SUR.:D270						Shielding Angle:		

Table--1

UNIT: x10cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627
5	1633	1631	1630	1628	1627	1625	1624	1623	1621	1620	1619	1618	1617	1616	1615	1614	1613	1613	1613
10	1645	1643	1640	1638	1635	1633	1631	1628	1626	1624	1622	1620	1619	1617	1616	1615	1614	1613	1613
15	1658	1655	1651	1648	1645	1642	1639	1636	1633	1631	1629	1627	1625	1623	1621	1620	1619	1618	1618
20	1664	1661	1658	1655	1652	1649	1646	1644	1641	1639	1637	1636	1634	1633	1632	1631	1630	1630	1629
25	1655	1653	1650	1648	1646	1644	1642	1641	1639	1638	1637	1637	1637	1636	1636	1636	1636	1636	1637
30	1612	1611	1610	1609	1608	1607	1607	1606	1606	1606	1607	1608	1609	1610	1610	1611	1611	1612	1612
35	1479	1479	1479	1479	1478	1478	1479	1479	1479	1478	1478	1478	1477	1475	1473	1470	1468	1465	1462
40	1095	1094	1092	1088	1084	1080	1076	1070	1064	1058	1053	1048	1042	1036	1030	1024	1017	1011	1004
45	690	690	688	686	684	679	672	665	658	651	647	643	639	634	631	629	626	624	619
50	420	418	415	412	408	404	399	394	389	383	379	375	370	365	362	359	355	352	348
55	201	198	194	191	187	182	177	171	166	160	156	151	146	142	137	134	130	126	122
60	40.3	40.6	40.3	39.9	39.3	38.2	37.4	36.1	34.7	33.5	32.7	32.1	31.3	30.7	29.7	28.5	27.3	26.1	24.7
65	16.0	15.9	15.7	15.4	15.1	14.7	14.3	13.9	13.4	13.0	12.4	11.8	11.2	10.6	10.0	9.55	9.08	8.55	8.04
70	7.07	7.01	6.95	6.87	6.78	6.65	6.48	6.30	6.13	5.94	5.70	5.46	5.21	4.97	4.73	4.51	4.29	4.07	3.87
75	4.34	4.30	4.25	4.20	4.14	4.05	3.93	3.80	3.67	3.54	3.37	3.19	3.02	2.85	2.70	2.57	2.44	2.32	2.19
80	2.47	2.45	2.42	2.39	2.35	2.29	2.21	2.12	2.03	1.94	1.83	1.73	1.62	1.52	1.43	1.35	1.27	1.19	1.12
85	1.03	1.01	0.98	0.96	0.93	0.89	0.84	0.79	0.73	0.68	0.62	0.56	0.50	0.44	0.39	0.36	0.33	0.29	0.26
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm		
NAME: ECOHB200LSE5G7 with AL Relfector	TYPE:Highbay	WEIGHT:
SPEC.:DIP170W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627
5	1612	1612	1612	1612	1612	1612	1612	1613	1613	1614	1614	1615	1617	1619	1621	1624	1626	1629	1629
10	1612	1612	1612	1612	1613	1613	1613	1614	1615	1616	1617	1619	1620	1623	1626	1630	1633	1636	1638
15	1618	1618	1618	1618	1618	1619	1620	1621	1622	1623	1625	1626	1628	1631	1635	1639	1643	1647	1649
20	1630	1630	1630	1630	1631	1632	1632	1633	1633	1634	1636	1637	1638	1640	1644	1648	1651	1655	1657
25	1637	1637	1638	1638	1638	1638	1638	1637	1637	1637	1636	1636	1636	1637	1639	1642	1644	1647	1647
30	1612	1612	1612	1612	1611	1609	1607	1605	1603	1600	1597	1595	1592	1592	1593	1595	1596	1598	1596
35	1460	1457	1455	1453	1449	1444	1440	1436	1431	1424	1418	1413	1409	1407	1408	1410	1413	1418	1410
40	999	994	988	982	975	968	962	956	950	943	936	931	926	928	935	942	951	959	955
45	616	611	607	603	597	590	583	577	571	566	562	558	555	558	565	572	580	589	589
50	345	342	338	335	331	326	322	318	315	313	311	310	309	311	316	321	326	332	334
55	119	116	112	109	106	103	101	98.0	96.0	95.5	95.0	95.3	96.0	97.8	100	104	107	111	113
60	24.3	23.6	23.1	22.4	22.0	21.6	21.3	21.0	20.7	20.6	20.6	20.5	20.3	20.6	21.3	21.9	22.4	22.7	23.4
65	7.78	7.54	7.25	6.99	6.83	6.75	6.68	6.62	6.59	6.68	6.76	6.87	6.98	7.22	7.62	8.00	8.37	8.74	9.07
70	3.77	3.67	3.57	3.47	3.42	3.41	3.40	3.39	3.39	3.45	3.52	3.58	3.65	3.79	3.98	4.17	4.37	4.57	4.76
75	2.14	2.08	2.02	1.97	1.94	1.93	1.92	1.91	1.91	1.94	1.99	2.03	2.07	2.16	2.28	2.42	2.54	2.67	2.80
80	1.08	1.04	1.00	0.96	0.94	0.93	0.93	0.92	0.92	0.94	0.97	1.00	1.03	1.10	1.20	1.29	1.40	1.50	1.60
85	0.24	0.21	0.19	0.17	0.15	0.14	0.13	0.13	0.12	0.12	0.13	0.13	0.13	0.17	0.21	0.26	0.31	0.36	0.41
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm																		
NAME: ECOHB200LSE5G7 with AL Relfector									TYPE:Highbay					WEIGHT:				
SPEC.:DIP170W									DIM.: D330					SERIAL No.:				
MFR.: Eastfield									SUR.:D270					Shielding Angle:				

Table--3

UNIT: x10cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627
5	1630	1631	1631	1632	1633	1633	1634	1634	1635	1635	1636	1636	1636	1636	1636	1636	1636	1636	1636
10	1640	1641	1643	1644	1646	1647	1648	1650	1651	1652	1653	1654	1655	1655	1656	1656	1656	1656	1656
15	1651	1653	1655	1657	1659	1661	1663	1665	1666	1667	1668	1669	1670	1671	1671	1671	1671	1671	1670
20	1658	1660	1662	1664	1666	1667	1669	1671	1672	1672	1673	1674	1674	1674	1673	1672	1672	1671	1670
25	1648	1649	1650	1651	1651	1652	1653	1654	1655	1654	1654	1654	1654	1652	1650	1649	1647	1646	1644
30	1595	1593	1593	1591	1591	1590	1590	1589	1588	1587	1586	1585	1584	1582	1580	1578	1576	1575	1574
35	1405	1399	1394	1391	1389	1388	1387	1387	1389	1391	1394	1396	1399	1400	1402	1403	1406	1406	1408
40	951	948	947	945	945	946	948	950	954	958	963	968	975	984	993	1003	1013	1021	1029
45	590	591	593	594	593	594	594	595	598	601	605	609	614	621	628	635	642	648	653
50	337	340	344	346	347	349	350	352	356	360	364	369	373	378	383	388	393	397	401
55	115	118	121	124	127	130	134	137	141	146	151	156	162	167	173	179	185	190	194
60	23.9	24.3	24.6	25.2	26.3	27.4	28.5	29.7	30.1	30.6	31.1	31.7	32.4	33.5	34.2	35.4	35.5	37.5	37.9
65	9.40	9.74	10.1	10.4	10.8	11.2	11.6	12.0	12.4	12.8	13.3	13.7	14.1	14.5	14.9	15.2	15.6	15.9	16.2
70	4.96	5.16	5.36	5.56	5.75	5.94	6.15	6.35	6.47	6.59	6.71	6.84	6.93	6.97	7.01	7.05	7.07	7.08	7.08
75	2.94	3.07	3.21	3.34	3.47	3.59	3.73	3.87	3.95	4.03	4.11	4.20	4.26	4.29	4.32	4.35	4.37	4.37	4.37
80	1.70	1.80	1.91	2.02	2.11	2.21	2.30	2.40	2.46	2.52	2.58	2.65	2.70	2.72	2.73	2.73	2.76	2.71	2.68
85	0.46	0.52	0.58	0.63	0.68	0.72	0.77	0.82	0.87	0.92	0.97	1.02	1.07	1.09	1.12	1.14	1.16	1.16	1.16
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.72V I:0.7217A P:171.25W PF:0.9858 Freq:49.99Hz Lamp Flux:29073.9x1 lm																	
NAME: ECOHB200LSE5G7 with AL Relfector									TYPE:Highbay						WEIGHT:		
SPEC.:DIP170W									DIM.: D330						SERIAL No.:		
MFR.: Eastfield									SUR.:D270						Shielding Angle:		

Table--4

UNIT: x10cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627	1627				
5	1635	1635	1635	1634	1633	1633	1632	1631	1630	1629	1628	1627	1628	1629	1631				
10	1655	1655	1654	1653	1652	1651	1650	1648	1647	1645	1643	1642	1642	1643	1644				
15	1670	1669	1669	1668	1666	1665	1664	1662	1661	1659	1657	1656	1656	1657	1657				
20	1669	1668	1667	1667	1666	1665	1665	1664	1663	1662	1661	1661	1661	1662	1663				
25	1643	1642	1641	1641	1642	1642	1643	1643	1645	1646	1646	1648	1649	1651	1653				
30	1573	1572	1572	1574	1577	1579	1581	1585	1589	1593	1596	1600	1603	1606	1609				
35	1410	1412	1414	1420	1426	1432	1437	1443	1450	1457	1463	1468	1471	1474	1476				
40	1037	1044	1052	1059	1067	1074	1080	1087	1094	1099	1104	1106	1105	1103	1099				
45	658	663	667	671	673	676	678	683	688	693	697	699	698	696	694				
50	405	408	412	416	419	423	426	428	430	432	434	434	431	428	424				
55	199	203	207	211	214	218	221	222	223	223	223	221	217	212	206				
60	39.1	39.9	41.2	42.5	43.9	45.1	46.6	47.0	47.7	48.1	47.4	47.2	46.1	44.5	42.7				
65	16.4	16.6	16.8	17.0	17.1	17.2	17.3	17.4	17.4	17.4	17.4	17.3	17.0	16.7	16.4				
70	7.07	7.06	7.05	7.03	7.01	6.98	6.95	7.00	7.05	7.11	7.14	7.17	7.16	7.15	7.11				
75	4.36	4.35	4.34	4.32	4.30	4.28	4.25	4.28	4.31	4.34	4.36	4.37	4.37	4.37	4.36				
80	2.64	2.61	2.58	2.56	2.53	2.50	2.48	2.49	2.50	2.52	2.52	2.52	2.51	2.50	2.49				
85	1.16	1.15	1.15	1.15	1.15	1.14	1.14	1.14	1.14	1.15	1.15	1.14	1.12	1.09	1.06				
90	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
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