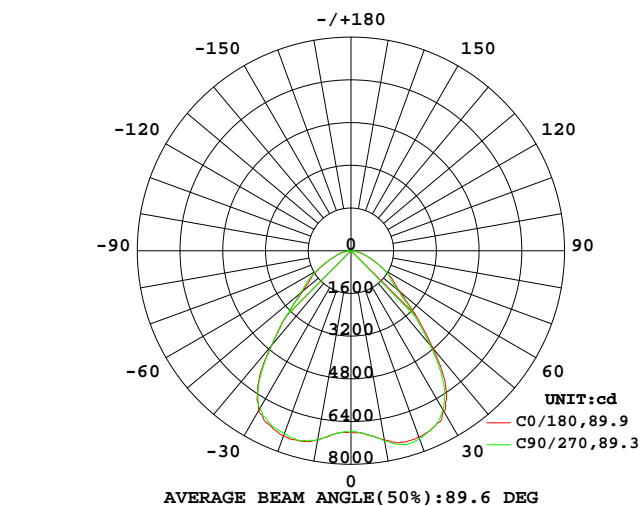


LUMINAIRE PHOTOMETRIC TEST REPORT

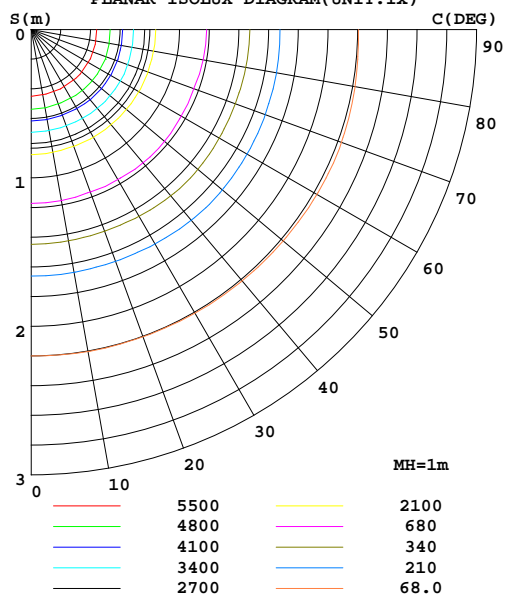
Test:U:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.08 lm/W			
MODEL	1	Imax(cd)	7568	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)	15813	η UP,DN(C0-180)	0.3,49.6
NOMINAL FLUX(lm)	15812.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,49.8
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	7190	7140	7189	7181	7190	7207	7236	7206	0- 10	667.9	667.9	4.22,4.22
20	7383	7304	7295	7315	7425	7501	7489	7473	10- 20	2093	2761	17.5,17.5
30	6901	6897	6801	6731	6936	6969	6889	6926	20- 30	3331	6091	38.5,38.5
40	4641	4639	4618	4582	4786	4673	4626	4695	30- 40	3711	9802	62,62
50	2367	2425	2465	2381	2397	2278	2281	2319	40- 50	2597	12399	78.4,78.4
60	1418	1489	1461	1462	1453	1436	1454	1400	50- 60	1677	14077	89,89
70	670.5	694.9	660.0	645.9	685.4	693.8	694.2	656.2	60- 70	1017	15093	95.5,95.5
80	238.0	231.7	204.4	201.8	250.9	256.1	274.6	273.7	70- 80	476.1	15569	98.5,98.5
90	77.16	77.83	77.49	81.01	81.04	76.87	76.47	78.47	80- 90	141.0	15710	99.4,99.4
100	109.3	108.0	112.9	88.06	77.16	80.71	105.0	103.1	90-100	95.68	15806	100,100
110	0	0	0	0	0	0	0	0	100-110	6.594	15813	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15813	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15813	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15813	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15813	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15813	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15813	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15813	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11267 lm

%lum = 71.3%

%lamp = 71.3%

Conical surface Flux(120deg): 14077 lm

%lum = 89.0%

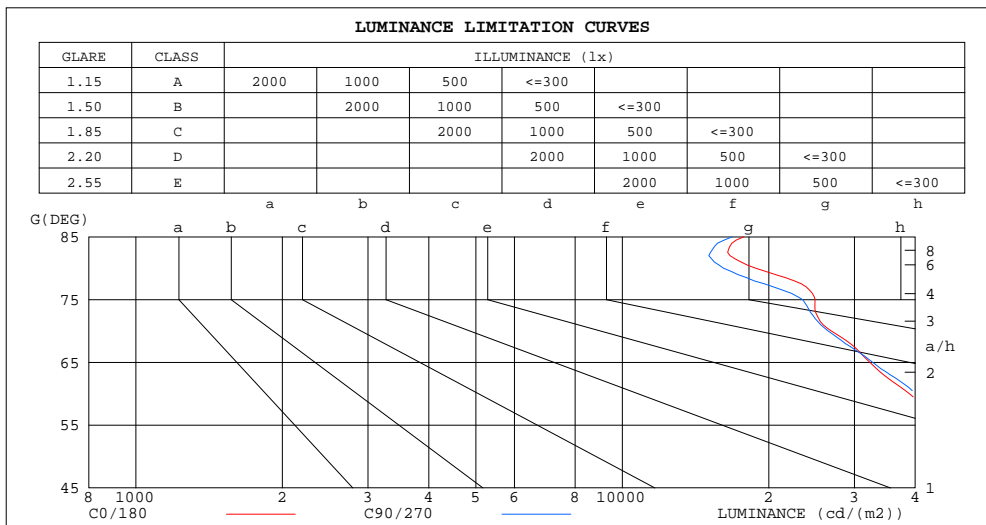
%lamp = 89.0%

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:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	17781	16817
80	18803	16148
75	24902	23478
70	26892	26472
65	32261	32684
60	38903	40087
55	44603	47473
50	50504	52598
45	64471	65088

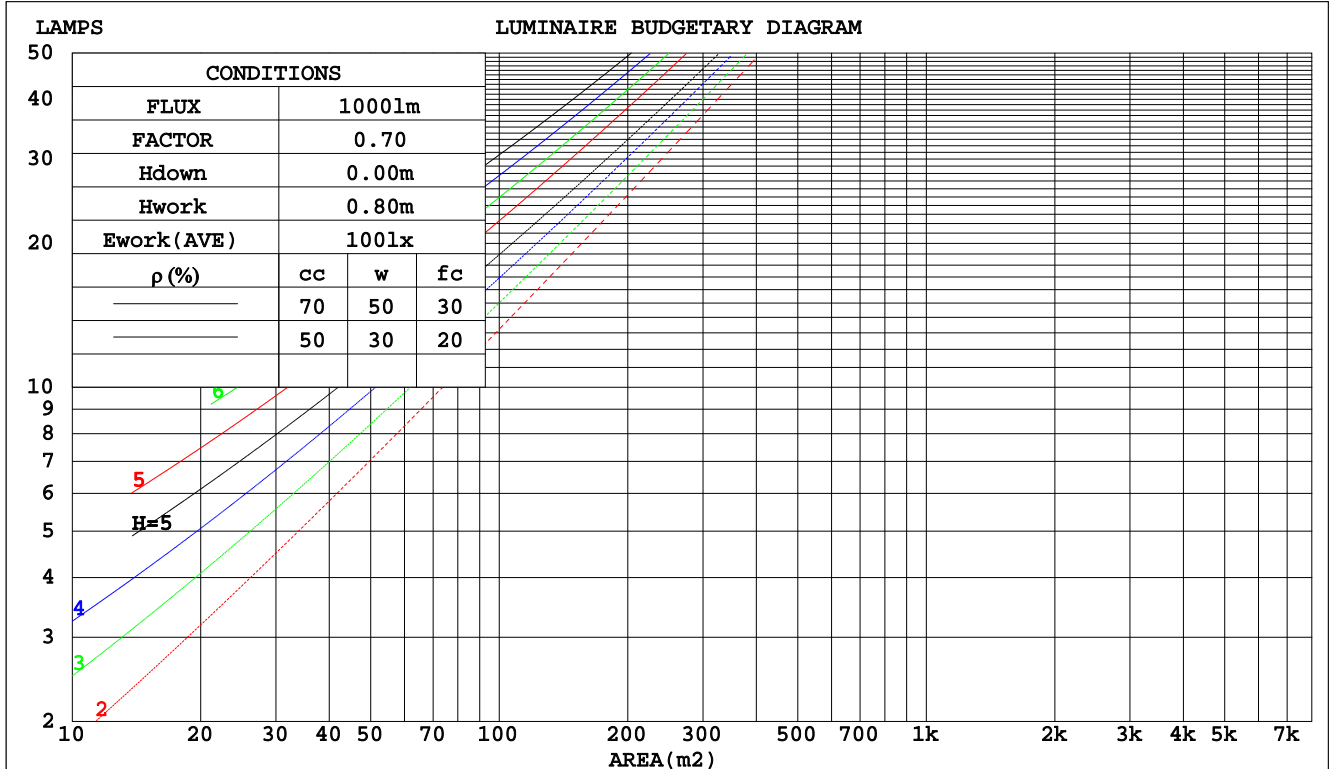
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	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:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	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	.204	.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	.138	.103	.074	.095	.071	.052	.055	.042	.031	.018	.014	.010		
4.0	.153	.105	.069	.132	.091	.060	.090	.063	.042	.052	.037	.025	.017	.012	.008		
5.0	.146	.094	.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	.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	.104	.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:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm										
NAME: ECOHB200LSE5G7 with PC Reflector and lens					TYPE:Highbay			WEIGHT:		
SPEC.:DIP100W					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	25.3	26.6	25.6	26.8	27.0	25.4	26.7	25.7	26.9	27.2
3H	25.9	27.1	26.2	27.4	27.6	26.1	27.3	26.4	27.5	27.7
4H	26.2	27.3	26.5	27.6	27.8	26.3	27.4	26.6	27.7	28.0
6H	26.4	27.4	26.7	27.7	28.0	26.4	27.5	26.7	27.8	28.0
8H	26.4	27.4	26.7	27.7	28.0	26.4	27.4	26.8	27.7	28.0
12H	26.4	27.4	26.7	27.7	28.0	26.4	27.4	26.8	27.7	28.0
4H 2H	25.6	26.7	25.9	27.0	27.2	25.7	26.8	26.0	27.1	27.3
3H	26.4	27.4	26.7	27.7	28.0	26.5	27.5	26.9	27.8	28.1
4H	26.8	27.7	27.1	28.0	28.3	26.9	27.8	27.2	28.1	28.4
6H	27.0	27.8	27.4	28.2	28.5	27.0	27.8	27.4	28.2	28.6
8H	27.1	27.8	27.5	28.2	28.6	27.1	27.8	27.5	28.2	28.6
12H	27.1	27.8	27.5	28.2	28.6	27.1	27.8	27.6	28.2	28.6
8H 4H	26.9	27.6	27.3	28.0	28.4	27.0	27.7	27.4	28.1	28.5
6H	27.2	27.8	27.7	28.2	28.7	27.2	27.8	27.7	28.2	28.7
8H	27.3	27.8	27.8	28.3	28.7	27.3	27.8	27.8	28.3	28.7
12H	27.4	27.9	27.9	28.3	28.8	27.4	27.9	27.9	28.3	28.8
12H 4H	26.8	27.5	27.3	27.9	28.3	26.9	27.6	27.4	28.0	28.4
6H	27.2	27.7	27.7	28.2	28.6	27.2	27.8	27.7	28.2	28.7
8H	27.3	27.8	27.8	28.2	28.7	27.3	27.8	27.8	28.2	28.7
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	+ 1.0 / - 0.7					+ 0.8 / - 0.6				

CIE Pub.117, 15813 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.6$)
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:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

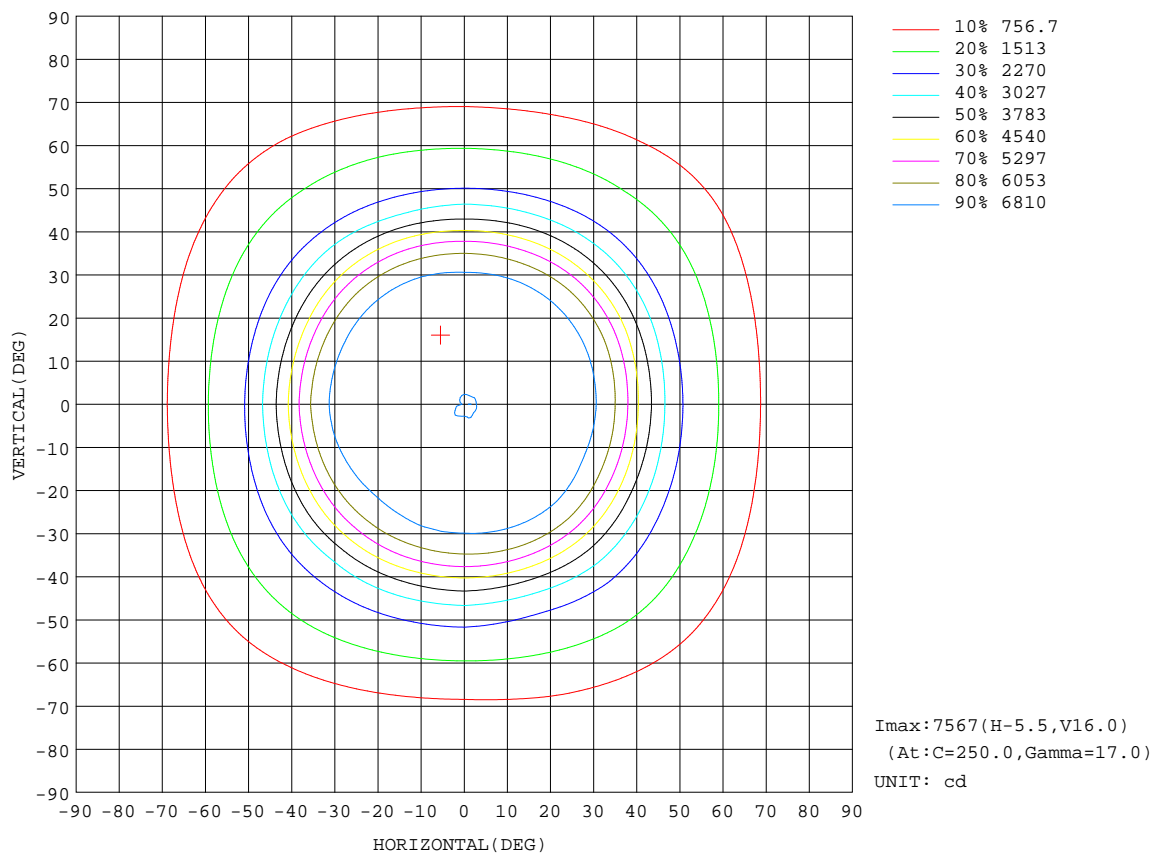
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	58	52	67	58	52	66	57	52	46
0.80	77	68	62	76	67	62	75	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:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:



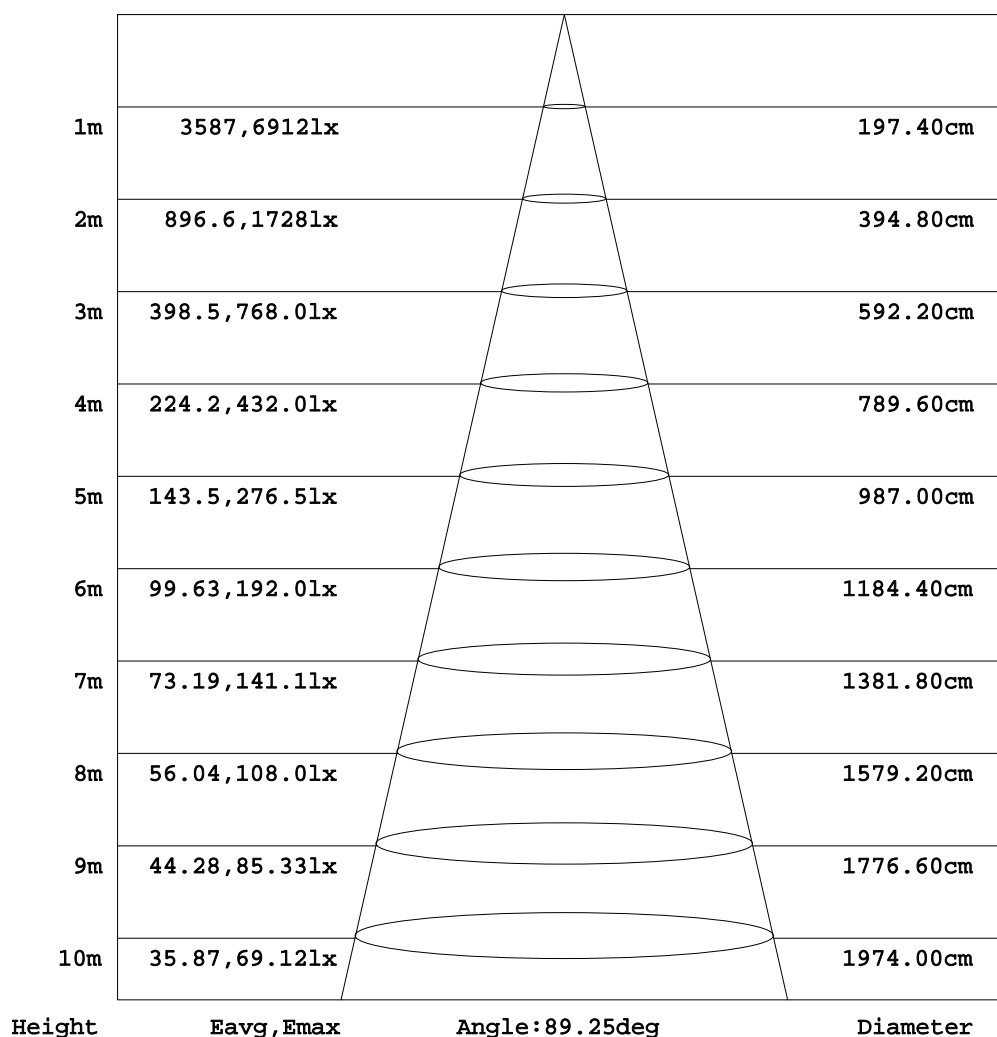
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2023-03-02

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:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

Flux out:11267 lm



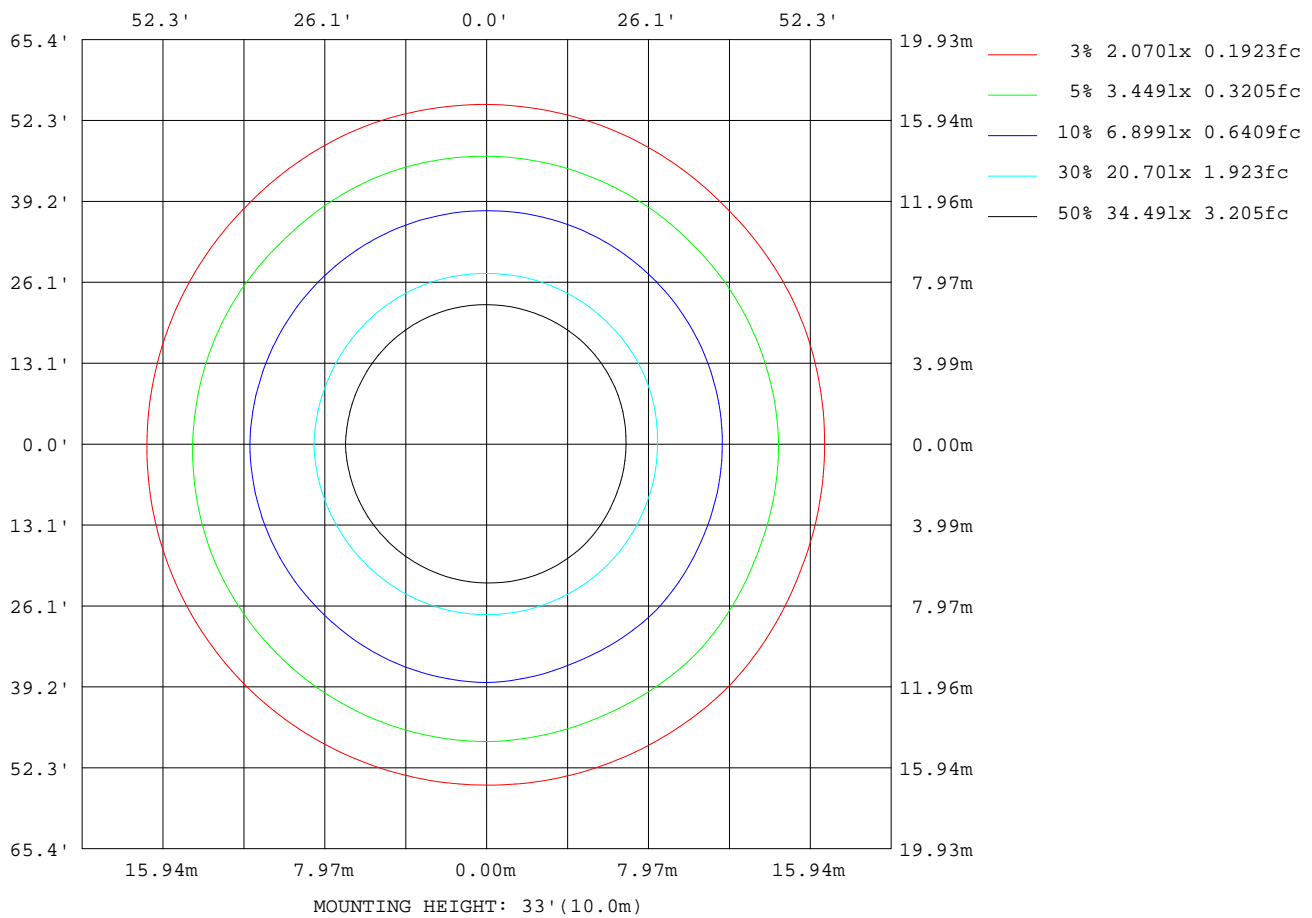
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	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:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm		
NAME: ECOHB200LSE5G7 with PC Reflector and lens	TYPE:Highbay	WEIGHT:
SPEC.:DIP100W	DIM.: D330	SERIAL No.:
MFR.: Eastfield	SUR.:D270	Shielding Angle:

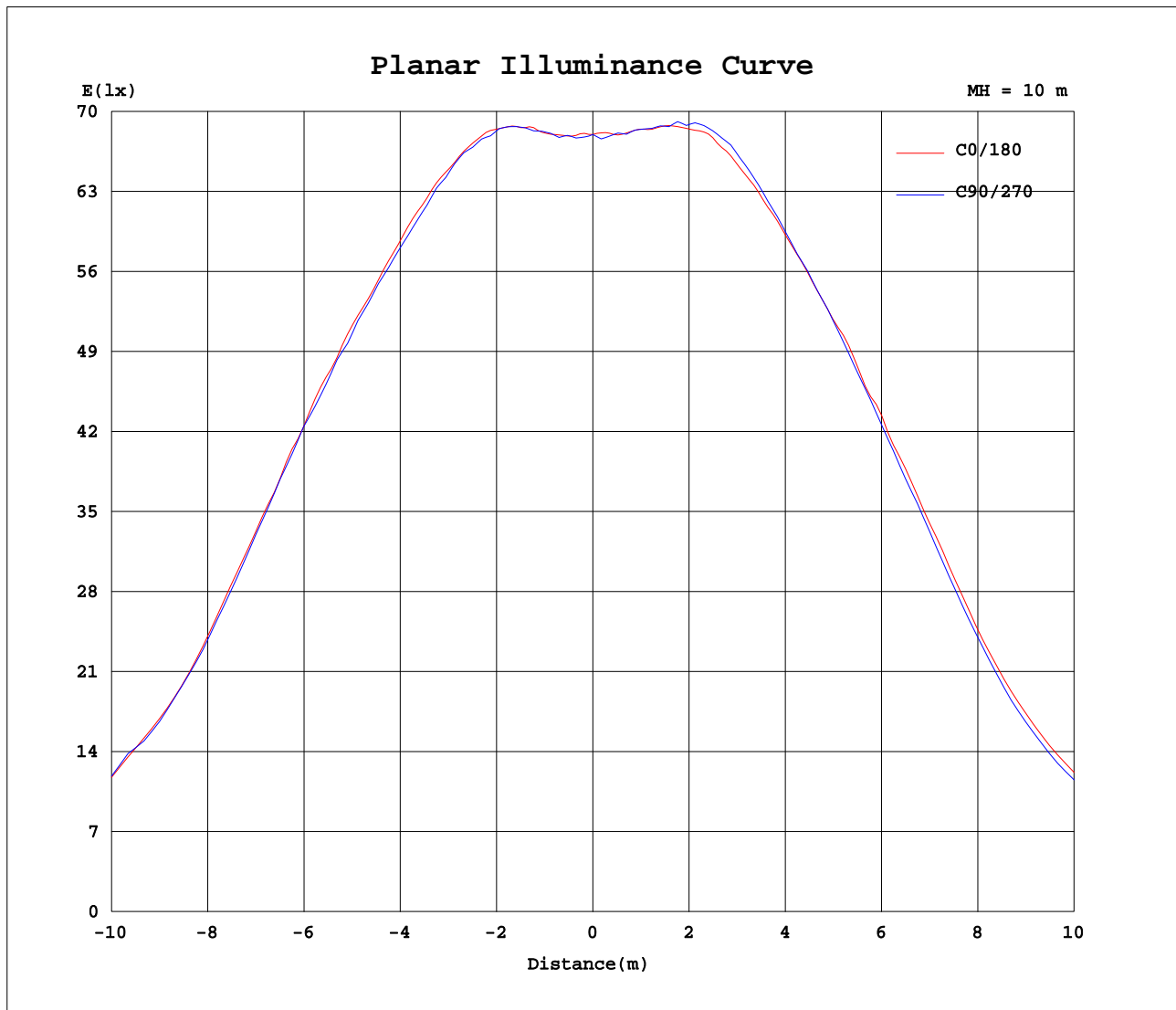
AvgL	cd/m2
L_0~180(65)av	32837
L_0~180(75)av	24619
L_0~180(85)av	18327
L_90~270(65)av	32877
L_90~270(75)av	23390
L_90~270(85)av	17749
L_45(65)av	32678
L_45(75)av	23532
L_45(85)av	18039

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:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm																		
NAME: ECOHB200LSE5G7 with PC Reflector and lens										TYPE:Highbay					WEIGHT:			
SPEC.:DIP100W										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	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799
5	6880	6877	6874	6873	6872	6872	6879	6886	6891	6892	6881	6871	6862	6856	6862	6868	6874	6882	6887
10	7190	7177	7165	7153	7142	7137	7137	7138	7138	7140	7142	7146	7149	7152	7159	7168	7176	7184	7189
15	7380	7361	7342	7323	7306	7299	7300	7301	7303	7305	7309	7313	7319	7323	7330	7339	7345	7356	7367
20	7383	7367	7352	7338	7324	7315	7312	7309	7305	7304	7304	7305	7306	7307	7305	7302	7299	7297	7295
25	7206	7203	7198	7193	7188	7188	7191	7194	7196	7198	7198	7198	7198	7199	7195	7185	7176	7165	7153
30	6901	6877	6858	6840	6823	6824	6844	6861	6881	6897	6894	6881	6870	6856	6843	6834	6819	6814	6801
35	6051	6044	6038	6032	6024	6033	6053	6076	6096	6116	6110	6106	6094	6084	6069	6049	6031	6011	6003
40	4641	4637	4630	4621	4615	4615	4621	4628	4635	4639	4632	4624	4616	4607	4606	4609	4612	4615	4618
45	3323	3348	3360	3375	3382	3383	3374	3360	3345	3333	3322	3312	3301	3291	3298	3318	3339	3360	3355
50	2367	2364	2359	2353	2351	2358	2375	2393	2410	2425	2411	2397	2382	2368	2374	2398	2421	2447	2465
55	1865	1865	1865	1865	1865	1874	1894	1914	1933	1950	1946	1940	1935	1931	1934	1947	1960	1972	1985
60	1418	1420	1421	1422	1423	1431	1447	1462	1476	1489	1488	1485	1483	1481	1478	1475	1470	1467	1461
65	994	996	997	999	1000	1003	1009	1015	1021	1026	1031	1036	1040	1045	1042	1034	1025	1016	1007
70	670	672	674	675	676	678	683	687	691	695	698	700	703	705	701	691	681	671	660
75	470	470	470	471	471	471	470	470	469	468	472	475	478	480	477	469	460	450	443
80	238	239	240	239	239	237	236	235	233	232	232	232	231	231	228	222	216	211	204
85	113	114	114	115	116	116	116	115	115	115	115	115	115	115	114	112	110	109	107
90	77.2	77.1	77.1	77.0	77.0	77.0	77.2	77.4	77.6	77.8	77.9	78.0	78.1	78.2	78.1	78.0	77.8	77.6	77.5
95	84.5	84.4	84.4	84.3	84.2	84.2	84.4	84.5	84.7	84.9	85.0	85.1	85.2	85.4	85.5	85.7	85.8	86.0	86.1
100	109	106	99.0	99.0	100	108	109	101	107	108	102	105	106	105	104	106	102	95.1	113
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:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm																		
NAME: ECOHB200LSE5G7 with PC Reflector and lens									TYPE:Highbay					WEIGHT:				
SPEC.:DIP100W									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	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799
5	6887	6887	6887	6886	6882	6877	6872	6871	6867	6881	6891	6902	6910	6914	6915	6915	6915	6915	6908
10	7185	7180	7177	7174	7173	7174	7175	7176	7181	7192	7203	7214	7223	7223	7216	7208	7199	7190	7196
15	7362	7359	7359	7357	7361	7367	7372	7378	7384	7390	7397	7404	7408	7412	7416	7416	7418	7418	7425
20	7293	7293	7293	7292	7294	7299	7304	7308	7315	7317	7323	7328	7334	7347	7367	7388	7407	7425	7438
25	7153	7150	7147	7145	7144	7144	7144	7145	7147	7157	7167	7178	7188	7205	7228	7252	7275	7298	7309
30	6802	6807	6795	6800	6784	6764	6750	6737	6731	6751	6772	6792	6816	6838	6867	6893	6919	6936	6941
35	5985	5977	5969	5962	5958	5959	5960	5962	5965	5985	6005	6027	6048	6073	6097	6124	6151	6176	6161
40	4611	4605	4599	4593	4589	4586	4584	4582	4582	4595	4610	4624	4639	4662	4692	4722	4752	4786	4755
45	3367	3359	3356	3352	3343	3326	3308	3289	3272	3277	3290	3299	3313	3334	3356	3387	3417	3446	3414
50	2459	2446	2439	2428	2418	2409	2399	2389	2381	2382	2383	2385	2388	2390	2389	2393	2396	2397	2384
55	1982	1981	1979	1978	1976	1973	1970	1967	1964	1962	1960	1957	1955	1948	1937	1926	1915	1904	1893
60	1463	1462	1462	1461	1460	1460	1461	1461	1462	1460	1459	1458	1456	1455	1455	1454	1453	1453	1448
65	1007	1007	1007	1006	1006	1004	1002	1001	1000	1003	1005	1008	1011	1015	1018	1022	1026	1029	1023
70	661	661	660	660	659	655	652	648	646	649	652	656	659	663	669	674	680	685	681
75	441	443	442	442	440	436	432	429	425	427	429	431	433	437	443	448	454	459	455
80	204	203	201	200	199	200	201	201	202	206	210	214	218	224	231	237	244	251	251
85	107	106	106	105	105	106	106	107	107	109	110	112	113	115	116	117	119	120	120
90	77.7	77.9	78.1	78.3	78.7	79.3	79.9	80.4	81.0	81.4	81.8	82.2	82.7	82.7	82.3	81.9	81.5	81.0	80.4
95	86.4	86.7	87.0	87.3	87.6	87.9	88.2	88.5	88.7	88.9	89.2	89.5	89.6	89.5	88.9	88.2	87.4	86.7	86.0
100	93.3	98.7	98.7	94.6	93.5	92.3	88.7	84.2	88.1	84.8	78.3	84.0	82.4	74.3	71.7	71.0	74.9	77.2	73.6
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:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm																			
NAME: ECOHB200LSE5G7 with PC Reflector and lens										TYPE:Highbay					WEIGHT:				
SPEC.:DIP100W										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	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799
5	6901	6894	6888	6884	6886	6890	6894	6898	6899	6898	6897	6896	6897	6900	6904	6910	6916	6917	6915
10	7201	7205	7211	7213	7212	7210	7209	7207	7210	7215	7219	7225	7228	7227	7227	7231	7236	7231	7222
15	7431	7438	7442	7452	7468	7483	7498	7512	7517	7519	7522	7524	7523	7521	7517	7515	7511	7506	7499
20	7449	7460	7471	7479	7485	7491	7496	7501	7509	7516	7524	7532	7532	7522	7512	7501	7489	7488	7489
25	7318	7328	7338	7340	7335	7330	7325	7320	7319	7320	7318	7319	7319	7314	7311	7308	7301	7305	7307
30	6937	6933	6928	6931	6941	6950	6960	6969	6966	6957	6949	6942	6932	6919	6909	6895	6889	6892	6904
35	6144	6128	6112	6104	6102	6103	6103	6105	6100	6097	6088	6083	6076	6067	6058	6049	6048	6042	6046
40	4727	4700	4673	4660	4662	4665	4668	4673	4674	4674	4676	4678	4673	4661	4648	4636	4626	4631	4639
45	3382	3350	3322	3306	3304	3304	3301	3303	3300	3299	3300	3302	3303	3300	3293	3288	3261	3290	3300
50	2369	2354	2342	2328	2314	2302	2289	2278	2275	2275	2273	2272	2272	2275	2276	2279	2281	2283	2283
55	1882	1871	1860	1847	1832	1817	1802	1788	1791	1796	1800	1804	1804	1800	1796	1792	1786	1785	1782
60	1443	1439	1434	1433	1433	1434	1435	1436	1442	1448	1454	1461	1462	1461	1458	1455	1454	1448	1443
65	1016	1010	1004	1003	1009	1014	1020	1025	1028	1032	1035	1038	1037	1033	1029	1024	1019	1014	1008
70	676	671	667	668	674	680	687	694	694	695	695	696	696	696	696	696	694	690	685
75	450	446	441	440	443	445	447	450	448	447	445	444	443	442	441	441	440	441	440
80	251	251	251	251	253	254	255	256	257	258	259	260	262	265	268	271	275	275	275
85	119	119	119	118	119	118	118	118	118	118	117	117	117	118	118	119	119	119	118
90	79.8	79.2	78.6	78.1	77.8	77.5	77.2	76.9	76.9	76.9	76.9	76.9	76.8	76.7	76.6	76.6	76.5	76.4	76.3
95	85.4	84.7	83.9	83.3	83.0	82.7	82.3	81.9	82.2	82.4	82.6	82.8	82.8	82.6	82.5	82.3	82.1	82.2	82.2
100	68.7	68.2	69.6	76.3	77.6	72.1	78.0	80.7	77.4	81.7	85.3	86.7	87.9	91.7	91.8	86.7	105	88.6	95.0
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.87V I:0.4381A P:101.31W PF:0.9602 Freq:49.99Hz Lamp Flux:15812.7x1 lm																	
NAME: ECOHB200LSE5G7 with PC Reflector and lens									TYPE:Highbay						WEIGHT:		
SPEC.:DIP100W									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	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799	6799				
5	6912	6909	6908	6906	6907	6906	6907	6902	6897	6890	6885	6882	6881	6881	6880				
10	7218	7218	7215	7211	7209	7208	7206	7202	7198	7194	7191	7189	7189	7189	7189				
15	7495	7487	7480	7472	7461	7453	7444	7440	7436	7433	7430	7424	7413	7401	7391				
20	7489	7488	7487	7484	7481	7477	7473	7465	7456	7446	7436	7426	7415	7403	7393				
25	7308	7310	7311	7312	7312	7313	7313	7304	7293	7282	7270	7258	7246	7234	7221				
30	6913	6924	6930	6929	6928	6927	6926	6923	6920	6917	6913	6910	6905	6901	6899				
35	6046	6049	6057	6072	6089	6103	6117	6122	6126	6129	6133	6124	6108	6088	6069				
40	4646	4655	4662	4670	4679	4687	4695	4707	4718	4729	4739	4734	4712	4690	4668				
45	3312	3327	3338	3345	3352	3358	3365	3374	3383	3391	3399	3397	3377	3363	3351				
50	2286	2285	2289	2298	2305	2312	2319	2326	2333	2339	2346	2351	2354	2360	2364				
55	1778	1774	1771	1771	1771	1770	1770	1779	1789	1799	1809	1820	1831	1842	1853				
60	1437	1433	1426	1420	1413	1406	1400	1406	1413	1420	1427	1429	1427	1424	1421				
65	1001	995	990	986	983	979	976	983	990	998	1005	1007	1005	1001	998				
70	680	674	670	666	663	659	656	663	670	678	685	687	683	680	675				
75	440	440	439	437	436	434	433	439	445	451	456	461	463	465	467				
80	275	275	275	275	274	274	274	274	274	274	274	271	263	255	247				
85	118	118	118	118	118	118	118	119	119	120	120	120	118	117	115				
90	76.2	76.2	76.4	76.9	77.5	78.0	78.5	78.7	78.8	79.0	79.2	79.0	78.6	78.1	77.6				
95	82.3	82.3	82.4	82.6	82.8	83.0	83.0	82.8	82.7	82.6	82.3	82.6	83.1	83.6	84.0				
100	99.5	97.9	99.0	100	99.3	97.4	103	102	96.6	104	104	97.0	96.6	97.4	105				
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: