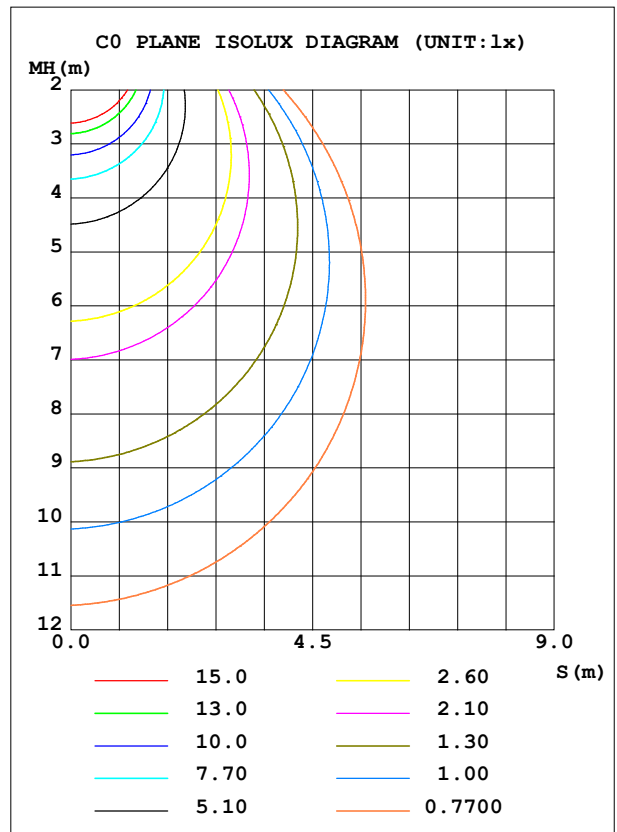
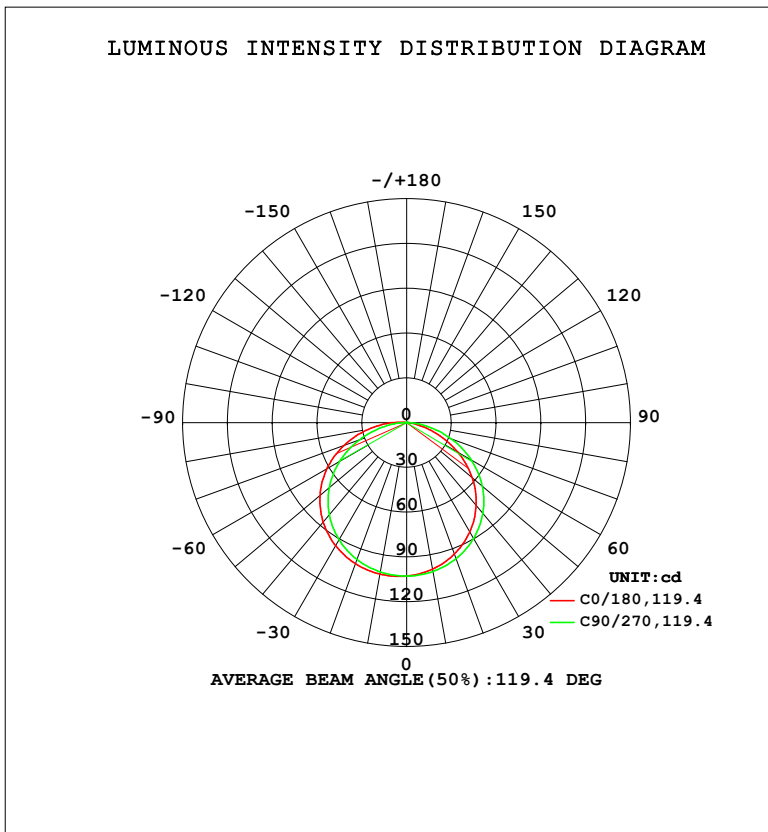


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.001V I:0.2251A P:2.7014W PF:1.0000 Freq:0Hz		
Lamp Flux:321.848x1 lm		
NAME: GFWS-2835C-72-12	TYPE: LED	WEIGHT:
SPEC.: 65N	DIM.:	SERIAL No.:
MFR.: Blueview	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	GFWS-2835C-72-12	Imax (cd)	103.2	S/MH	1.30
NOMINAL POWER(W)	2.70143	LOR(%)	100.0		
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	321.85	η UP, DN (C0-180)	0.3,48.2
NOMINAL FLUX(lm)	321.848	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4,51.1
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	12	η down (%)	99.3	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2026-01-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 6.020m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

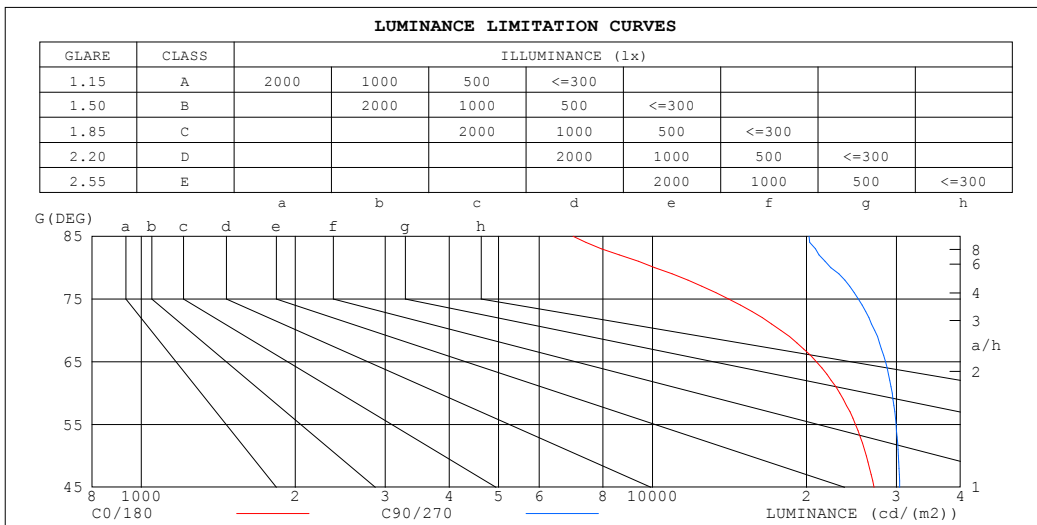
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	99.70	100.2	101.3	102.4	103.0	102.6	101.6	100.4	0- 10	9.744	9.744	3.03,3.03
20	93.66	94.67	96.92	99.23	100.6	99.70	97.55	95.19	10- 20	28.15	37.89	11.8,11.8
30	84.64	86.21	89.67	93.21	95.23	93.92	90.59	86.93	20- 30	43.35	81.24	25.2,25.2
40	72.50	74.69	79.38	84.25	87.01	85.19	80.67	75.64	30- 40	53.42	134.7	41.8,41.8
50	57.35	60.13	66.13	72.33	75.79	73.45	67.67	61.33	40- 50	56.85	191.5	59.5,59.5
60	39.59	42.85	50.02	57.42	61.63	58.80	51.79	44.20	50- 60	52.78	244.3	75.9,75.9
70	20.77	23.89	31.62	39.88	44.68	41.39	33.50	25.33	60- 70	41.38	285.7	88.8,88.8
80	5.971	7.314	13.18	21.03	25.99	22.54	14.97	8.751	70- 80	24.85	310.5	96.5,96.5
90	0.5680	0.8301	0.1721	6.107	9.268	6.597	1.328	0.7952	80- 90	9.184	319.7	99.3,99.3
100	0.2311	0.2059	0.0540	0.3816	1.279	0.3134	0.0353	0.1558	90-100	1.504	321.2	99.8,99.8
110	0.2311	0.1976	0.0664	0.0852	0.0729	0.0562	0.0582	0.1308	100-110	0.1591	321.4	99.8,99.8
120	0.1999	0.1747	0.0748	0.0852	0.0854	0.0728	0.0789	0.1205	110-120	0.1086	321.5	99.9,99.9
130	0.1708	0.1457	0.0872	0.0852	0.0917	0.0895	0.0956	0.1205	120-130	0.0966	321.6	99.9,99.9
140	0.1562	0.1331	0.1185	0.1100	0.1103	0.1103	0.1184	0.1288	130-140	0.0893	321.6	99.9,99.9
150	0.1520	0.1331	0.1184	0.1080	0.1332	0.1269	0.1309	0.1371	140-150	0.0791	321.7	100,100
160	0.1478	0.1435	0.1392	0.1412	0.1541	0.1436	0.1475	0.1496	150-160	0.0629	321.8	100,100
170	0.1686	0.1456	0.1434	0.1454	0.1582	0.1518	0.1559	0.1496	160-170	0.0421	321.8	100,100
180	0.1686	0.1477	0.1829	0.1517	0.1582	0.1518	0.1621	0.1496	170-180	0.0146	321.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2026-01-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:6.020m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:12.001V I:0.2251A P:2.7014W PF:1.0000 Freq:0Hz		
Lamp Flux:321.848x1 lm		
NAME: GFWS-2835C-72-12	TYPE: LED	WEIGHT:
SPEC.: 65N	DIM.:	SERIAL No.:
MFR.: Blueview	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6989	20233
80	10098	22335
75	14086	25269
70	17831	27201
65	20916	28558
60	23253	29435
55	24958	29950
50	26200	30272
45	27103	30429

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2026-01-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:6.020m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:12.001V I:0.2251A P:2.7014W PF:1.0000 Freq:0Hz		
Lamp Flux:321.848x1 lm		
NAME: GFWS-2835C-72-12	TYPE: LED	WEIGHT:
SPEC.: 65N	DIM.:	SERIAL No.:
MFR.: Blueview	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.326	.186	.059	.319	.182	.058	.305	.175	.056	.293	.169	.054	.281	.163	.053	
2.0	.303	.166	.051	.296	.163	.050	.284	.158	.049	.273	.153	.048	.263	.148	.047	
3.0	.278	.148	.044	.272	.146	.044	.262	.142	.043	.252	.138	.042	.242	.134	.042	
4.0	.255	.133	.039	.250	.131	.039	.241	.128	.038	.232	.125	.038	.224	.122	.037	
5.0	.235	.120	.035	.231	.119	.035	.222	.116	.034	.214	.113	.034	.207	.111	.033	
6.0	.218	.109	.031	.214	.108	.031	.206	.106	.031	.199	.103	.030	.192	.101	.030	
7.0	.202	.100	.028	.199	.099	.028	.192	.097	.028	.185	.095	.028	.179	.093	.027	
8.0	.189	.092	.026	.185	.091	.026	.179	.090	.026	.174	.088	.025	.168	.086	.025	
9.0	.176	.085	.024	.174	.085	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.166	.079	.022	.163	.079	.022	.158	.077	.022	.153	.076	.022	.149	.075	.022	

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.187	.161	.138	.160	.138	.119	.109	.095	.082	.063	.055	.048	.020	.018	.015	
2.0	.179	.137	.102	.153	.118	.088	.105	.082	.061	.061	.047	.036	.019	.015	.012	
3.0	.171	.120	.078	.147	.103	.068	.101	.072	.048	.058	.042	.028	.019	.014	.009	
4.0	.164	.106	.063	.140	.092	.054	.097	.064	.038	.056	.038	.023	.018	.012	.007	
5.0	.156	.096	.052	.134	.083	.045	.092	.058	.032	.054	.034	.019	.017	.011	.006	
6.0	.149	.088	.044	.128	.076	.038	.088	.053	.027	.051	.031	.016	.017	.010	.005	
7.0	.142	.081	.038	.122	.070	.033	.084	.049	.023	.049	.029	.014	.016	.009	.005	
8.0	.135	.075	.034	.117	.065	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
9.0	.129	.070	.030	.111	.061	.026	.077	.043	.019	.045	.025	.011	.015	.008	.004	
10.0	.123	.066	.028	.106	.057	.024	.074	.040	.017	.043	.024	.010	.014	.008	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2026-01-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:6.020m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:12.001V I:0.2251A P:2.7014W PF:1.0000 Freq:0Hz										
Lamp Flux:321.848x1 lm										
NAME: GFWS-2835C-72-12					TYPE: LED			WEIGHT:		
SPEC.: 65N					DIM.:			SERIAL No.:		
MFR.: Blueview					SUR.:			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	13.5	15.1	13.8	15.3	15.5	14.4	16.0	14.7	16.2	16.4
3H	14.8	16.2	15.1	16.5	16.7	16.2	17.6	16.5	17.9	18.1
4H	15.1	16.5	15.5	16.8	17.0	16.8	18.2	17.1	18.5	18.7
6H	15.3	16.6	15.6	16.9	17.1	17.3	18.6	17.6	18.8	19.1
8H	15.3	16.5	15.6	16.8	17.1	17.4	18.7	17.8	18.9	19.3
12H	15.3	16.5	15.6	16.8	17.1	17.5	18.7	17.9	19.0	19.3
4H 2H	14.0	15.4	14.3	15.6	15.9	14.7	16.1	15.1	16.4	16.6
3H	15.5	16.7	15.8	17.0	17.3	16.7	17.9	17.0	18.2	18.5
4H	15.9	17.0	16.3	17.3	17.7	17.4	18.5	17.8	18.8	19.2
6H	16.1	17.1	16.5	17.5	17.8	18.0	18.9	18.4	19.3	19.7
8H	16.2	17.1	16.6	17.5	17.9	18.2	19.1	18.6	19.5	19.9
12H	16.2	17.0	16.6	17.4	17.8	18.3	19.1	18.7	19.5	20.0
8H 4H	16.1	17.0	16.5	17.4	17.8	17.5	18.4	17.9	18.8	19.2
6H	16.4	17.2	16.9	17.6	18.0	18.1	18.9	18.6	19.3	19.8
8H	16.5	17.2	17.0	17.6	18.1	18.4	19.1	18.9	19.5	20.0
12H	16.5	17.1	17.0	17.6	18.1	18.6	19.2	19.1	19.6	20.1
12H 4H	16.1	17.0	16.6	17.3	17.8	17.5	18.3	17.9	18.7	19.1
6H	16.5	17.1	16.9	17.6	18.0	18.1	18.8	18.6	19.3	19.7
8H	16.6	17.1	17.0	17.6	18.1	18.4	19.0	18.9	19.5	19.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 321.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -3.9)
Area: 0.0034 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2026-01-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:6.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:12.001V I:0.2251A P:2.7014W PF:1.0000 Freq:0Hz Lamp Flux:321.848x1 lm		
NAME: GFWS-2835C-72-12	TYPE: LED	WEIGHT:
SPEC.: 65N	DIM.:	SERIAL No.:
MFR.: Blueview	SUR.:	Shielding Angle:

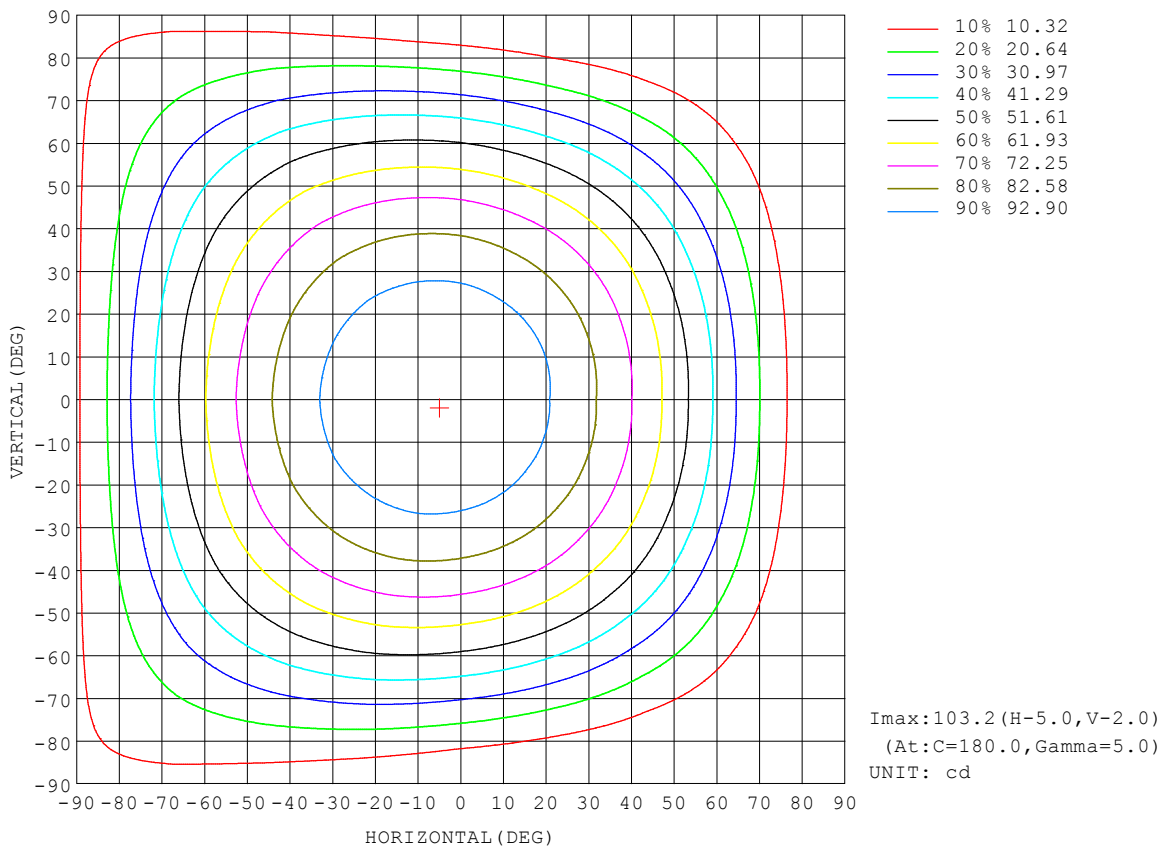
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	43	37	30
0.80	66	54	46	65	53	46	63	53	46	39
1.00	74	63	55	73	62	55	71	64	54	47
1.25	81	71	63	80	70	63	77	68	62	54
1.50	87	76	69	85	75	68	82	73	67	59
2.00	94	85	78	92	83	77	88	81	75	67
2.50	98	89	83	95	88	82	92	85	80	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	94	103	97	93	98	94	90	81
5.00	108	103	98	105	101	97	101	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2026-01-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:6.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:12.001V I:0.2251A P:2.7014W PF:1.0000 Freq:0Hz		
Lamp Flux:321.848x1 lm		
NAME: GFWS-2835C-72-12	TYPE: LED	WEIGHT:
SPEC.: 65N	DIM.:	SERIAL No.:
MFR.: Blueview	SUR.:	Shielding Angle:

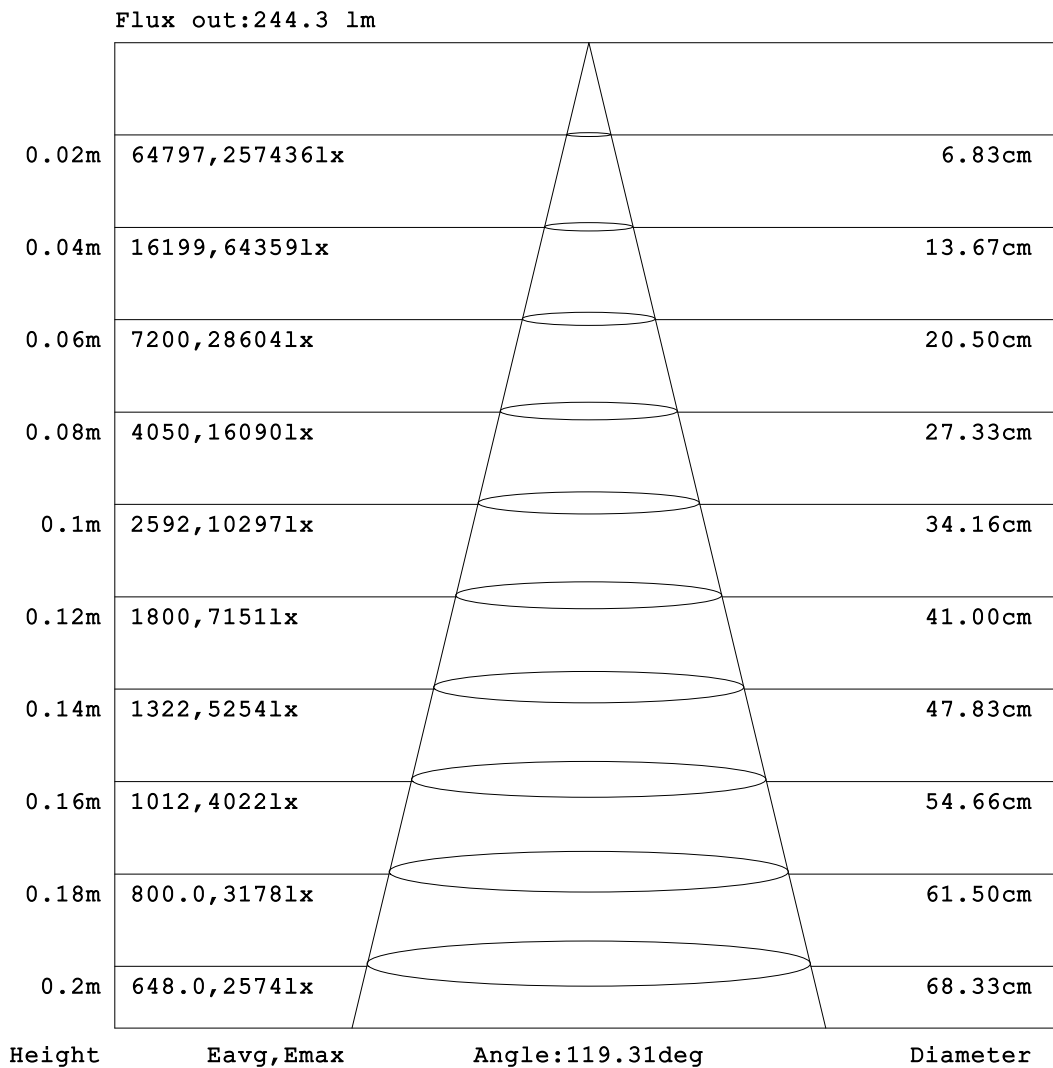


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2026-01-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:6.020m [K=1.0000]
 Remarks:

AAI Figure

Test:U:12.001V I:0.2251A P:2.7014W PF:1.0000 Freq:0Hz Lamp Flux:321.848x1 lm		
NAME: GFWS-2835C-72-12	TYPE: LED	WEIGHT:
SPEC.: 65N	DIM.:	SERIAL No.:
MFR.: Blueview	SUR.:	Shielding Angle:

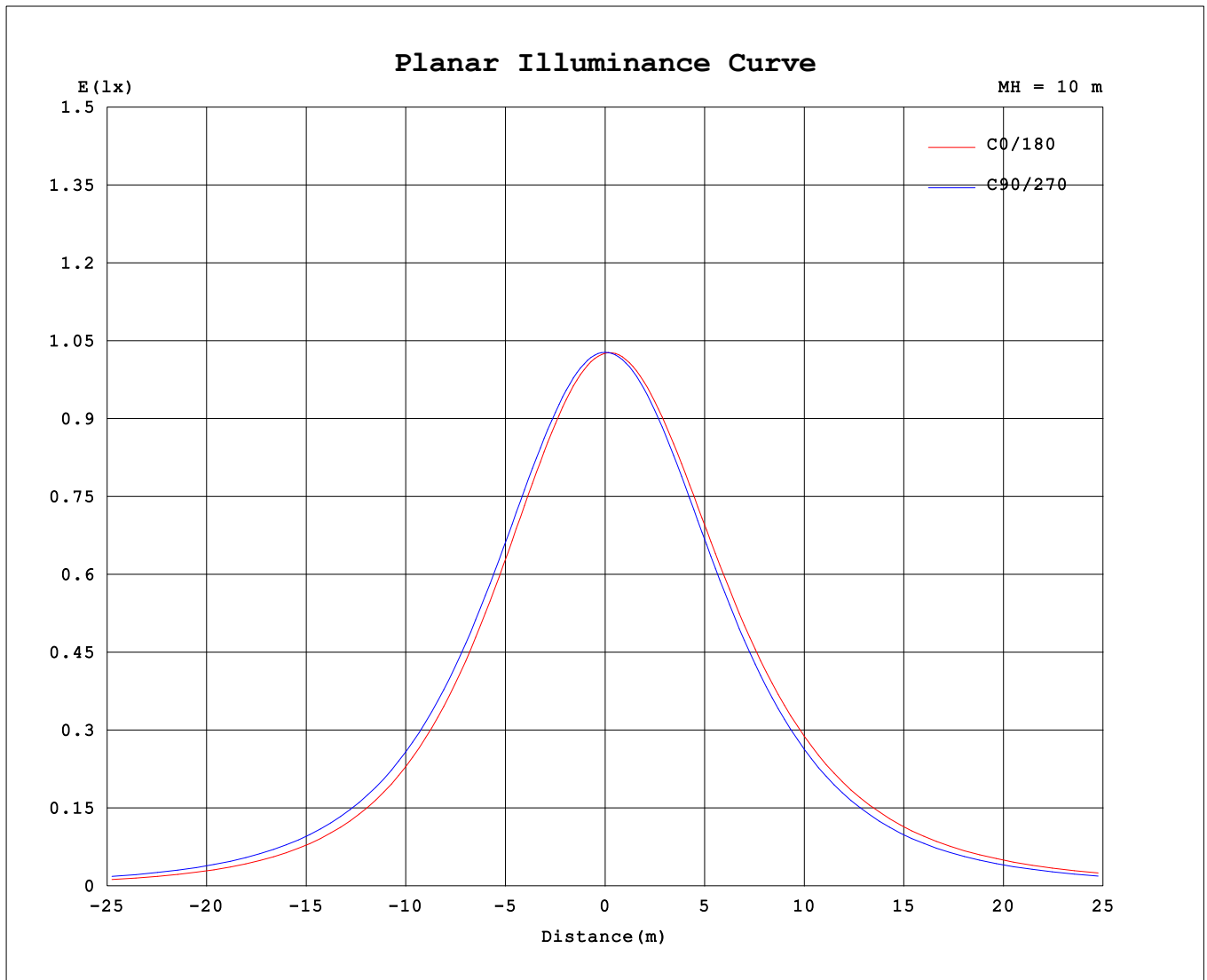


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2026-01-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:6.020m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2026-01-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 6.020m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.001V I:0.2251A P:2.7014W PF:1.0000 Freq:0Hz		
Lamp Flux:321.848x1 lm		
NAME: GFWS-2835C-72-12	TYPE: LED	WEIGHT:
SPEC.: 65N	DIM.:	SERIAL No.:
MFR.: Blueview	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103			
5	102	102	102	102	102	103	103	103	103	103	103	103	102	102	102	102			
10	99.7	99.8	100	101	101	102	102	103	103	103	103	102	102	101	100	99.9			
15	97.1	97.3	97.8	98.6	99.5	100	101	102	102	102	102	101	99.9	98.9	98.2	97.5			
20	93.7	94.0	94.7	95.8	96.9	98.2	99.2	100	101	100	99.7	98.7	97.6	96.2	95.2	94.2			
25	89.6	90.0	90.8	92.2	93.7	95.3	96.6	97.6	98.3	97.9	97.2	95.9	94.4	92.8	91.4	90.2			
30	84.6	85.2	86.2	87.9	89.7	91.6	93.2	94.5	95.2	94.8	93.9	92.4	90.6	88.6	86.9	85.5			
35	78.9	79.6	80.8	82.8	84.9	87.3	89.1	90.6	91.5	91.0	89.9	88.1	86.0	83.6	81.7	80.0			
40	72.5	73.2	74.7	77.0	79.4	82.1	84.3	86.0	87.0	86.4	85.2	83.1	80.7	77.9	75.6	73.7			
45	65.3	66.2	67.8	70.4	73.1	76.2	78.6	80.7	81.8	81.1	79.7	77.3	74.5	71.4	68.9	66.6			
50	57.3	58.3	60.1	63.1	66.1	69.5	72.3	74.5	75.8	75.0	73.5	70.7	67.7	64.2	61.3	58.8			
55	48.7	49.8	51.8	55.0	58.4	62.2	65.2	67.6	69.1	68.2	66.5	63.4	60.1	56.2	53.1	50.4			
60	39.6	40.7	42.9	46.3	50.0	54.1	57.4	60.1	61.6	60.7	58.8	55.5	51.8	47.6	44.2	41.3			
65	30.1	31.2	33.4	37.1	41.0	45.4	48.9	51.8	53.5	52.4	50.4	46.8	42.9	38.4	34.9	31.9			
70	20.8	21.7	23.9	27.5	31.6	36.2	39.9	42.9	44.7	43.6	41.4	37.6	33.5	28.9	25.3	22.5			
75	12.4	13.1	14.8	18.2	22.2	26.7	30.4	33.6	35.4	34.3	31.9	28.1	23.9	19.5	16.3	13.9			
80	5.97	6.30	7.31	9.93	13.2	17.5	21.0	24.1	26.0	24.8	22.5	18.8	15.0	11.1	8.75	7.06			
85	2.07	2.24	2.67	3.87	5.99	9.49	12.6	15.3	16.9	15.9	13.8	10.4	7.09	4.85	3.53	2.53			
90	0.57	0.71	0.83	1.14	0.17	4.05	6.11	8.06	9.27	8.33	6.60	4.16	1.33	1.30	0.80	0.53			
95	0.25	0.25	0.30	0.26	0.05	0.68	2.31	3.40	4.01	3.24	2.12	0.73	0.03	0.23	0.17	0.22			
100	0.23	0.21	0.21	0.12	0.05	0.07	0.38	0.94	1.28	0.81	0.31	0.07	0.04	0.09	0.16	0.17			
105	0.23	0.21	0.20	0.12	0.05	0.07	0.11	0.12	0.10	0.07	0.05	0.05	0.05	0.08	0.14	0.18			
110	0.23	0.21	0.20	0.11	0.07	0.07	0.09	0.09	0.07	0.06	0.06	0.05	0.06	0.08	0.13	0.18			
115	0.22	0.21	0.19	0.11	0.07	0.08	0.09	0.09	0.08	0.06	0.06	0.05	0.07	0.08	0.12	0.18			
120	0.20	0.17	0.17	0.11	0.07	0.09	0.09	0.10	0.09	0.07	0.07	0.05	0.08	0.08	0.12	0.16			
125	0.18	0.17	0.16	0.11	0.08	0.10	0.09	0.10	0.09	0.07	0.08	0.07	0.09	0.08	0.12	0.15			
130	0.17	0.15	0.15	0.11	0.09	0.11	0.09	0.10	0.09	0.08	0.09	0.07	0.10	0.08	0.12	0.15			
135	0.16	0.15	0.14	0.12	0.10	0.11	0.09	0.12	0.10	0.10	0.10	0.10	0.11	0.09	0.13	0.14			
140	0.16	0.15	0.13	0.13	0.12	0.12	0.11	0.12	0.11	0.10	0.11	0.11	0.12	0.11	0.13	0.14			
145	0.16	0.15	0.13	0.13	0.12	0.12	0.11	0.13	0.12	0.11	0.12	0.12	0.12	0.11	0.13	0.14			
150	0.15	0.15	0.13	0.14	0.12	0.12	0.11	0.13	0.13	0.11	0.13	0.12	0.13	0.11	0.14	0.14			
155	0.15	0.15	0.14	0.15	0.13	0.14	0.12	0.14	0.14	0.12	0.14	0.12	0.14	0.13	0.15	0.15			
160	0.15	0.15	0.14	0.15	0.14	0.15	0.14	0.15	0.15	0.14	0.14	0.13	0.15	0.14	0.15	0.15			
165	0.15	0.16	0.14	0.15	0.14	0.15	0.15	0.15	0.16	0.14	0.15	0.14	0.16	0.14	0.15	0.15			
170	0.17	0.17	0.15	0.15	0.14	0.16	0.15	0.16	0.16	0.14	0.15	0.14	0.16	0.14	0.15	0.15			
175	0.18	0.17	0.15	0.15	0.14	0.16	0.15	0.16	0.16	0.15	0.15	0.14	0.16	0.15	0.15	0.15			
180	0.17	0.17	0.15	0.15	0.18	0.16	0.15	0.16	0.16	0.15	0.15	0.15	0.16	0.15	0.15	0.15			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2026-01-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:6.020m [K=1.0000]
 Remarks: