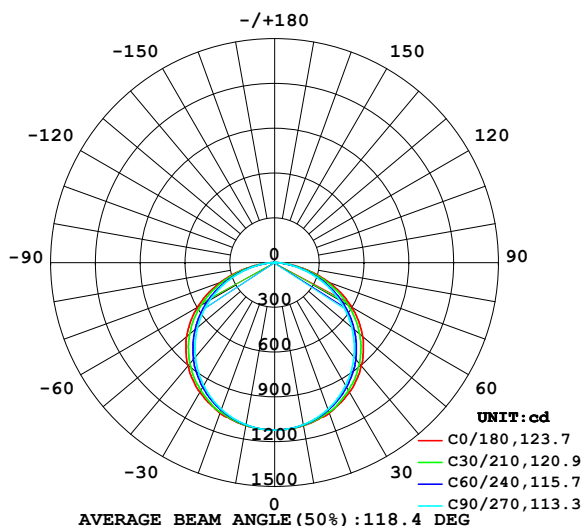


LUMINAIRE PHOTOMETRIC TEST REPORT

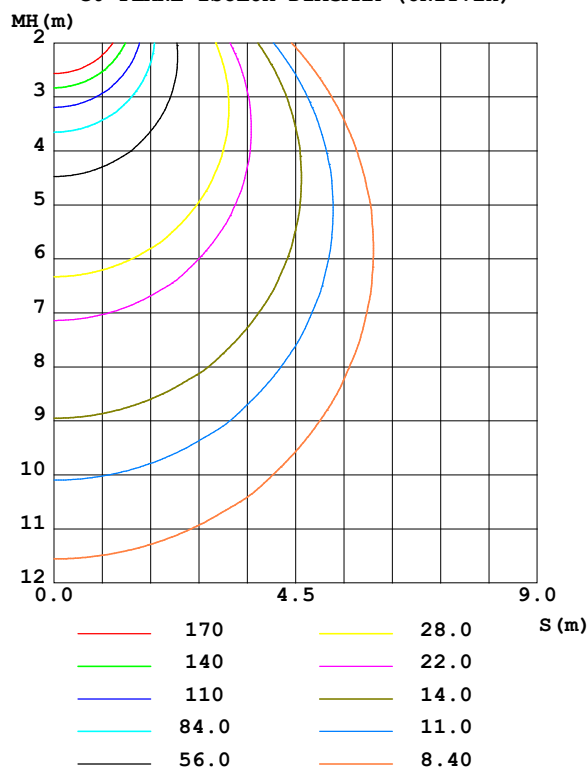
Test:U:120.04V I:0.2368A P:28.194W PF:0.9920 Freq:60.01Hz Lamp Flux:3412.03x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.02 lm/W			
MODEL		I _{max} (cd)	1122	S/MH(C0/180)	1.33
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3412.0	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	3412.03	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.9
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120.037	η down (%)	99.8	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:彭辉林
Test Date:2026-02-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

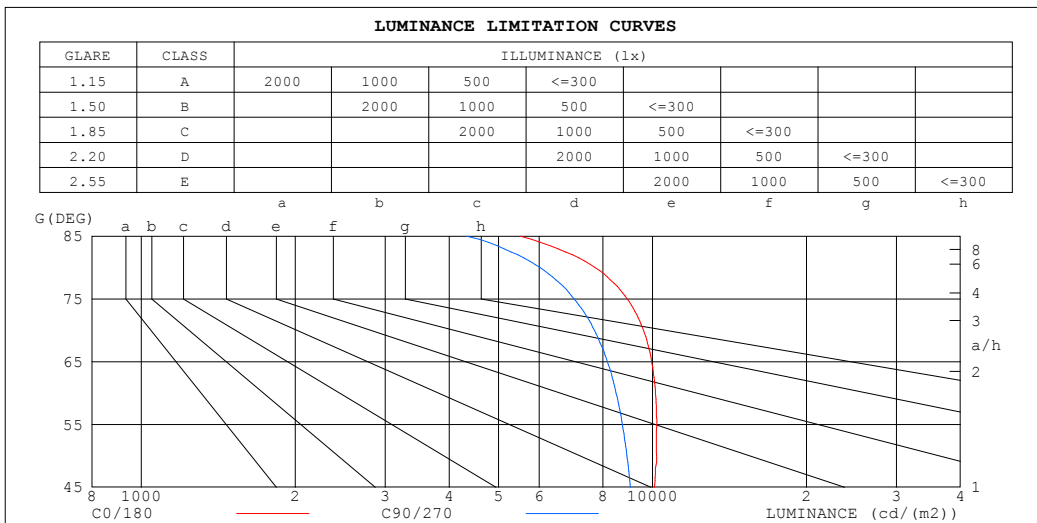
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1109	1106	1103	1106	1109	1106	1103	1106	0- 10	106.3	106.3	3.12,3.12
20	1074	1057	1045	1057	1074	1057	1045	1057	10- 20	306.6	413.0	12.1,12.1
30	1003	977.3	951.7	977.3	1003	977.3	951.7	977.3	20- 30	471.0	884.0	25.9,25.9
40	903.4	863.5	826.7	863.5	903.4	863.5	826.7	863.5	30- 40	578.7	1463	42.9,42.9
50	771.7	719.4	674.8	719.4	771.7	719.4	674.8	719.4	40- 50	614.3	2077	60.9,60.9
60	597.0	543.5	499.9	543.5	597.0	543.5	499.9	543.5	50- 60	568.9	2646	77.5,77.5
70	386.8	343.7	310.1	343.7	386.8	343.7	310.1	343.7	60- 70	443.2	3089	90.5,90.5
80	158.1	138.2	123.3	138.2	158.1	138.2	123.3	138.2	70- 80	254.9	3344	98,98
90	1.169	1.532	1.330	1.532	1.169	1.532	1.330	1.532	80- 90	61.64	3405	99.8,99.8
100	0.2951	0.5275	0.5938	0.5275	0.2951	0.5275	0.5938	0.5275	90-100	0.4388	3406	99.8,99.8
110	0.4339	0.7175	0.7387	0.7175	0.4339	0.7175	0.7387	0.7175	100-110	0.6158	3407	99.8,99.8
120	0.5499	0.8574	0.8972	0.8574	0.5499	0.8574	0.8972	0.8574	110-120	0.7309	3407	99.9,99.9
130	0.8162	1.076	1.160	1.076	0.8162	1.076	1.160	1.076	120-130	0.8107	3408	99.9,99.9
140	1.275	1.554	1.682	1.554	1.275	1.554	1.682	1.554	130-140	0.9796	3409	99.9,99.9
150	1.786	2.065	2.280	2.065	1.786	2.065	2.280	2.065	140-150	1.121	3410	99.9,99.9
160	2.013	2.200	2.491	2.200	2.013	2.200	2.491	2.200	150-160	1.001	3411	100,100
170	2.087	2.183	2.368	2.183	2.087	2.183	2.368	2.183	160-170	0.6309	3412	100,100
180	2.113	2.212	2.380	2.212	2.113	2.212	2.380	2.212	170-180	0.2106	3412	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.2℃
 Operators:彭辉林
 Test Date:2026-02-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:48.4%
 Test Distance:1.900m [K=1.0851]
 Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500:

LUMINANCE LIMITATION CURVES

Test:U:120.04V I:0.2368A P:28.194W PF:0.9920 Freq:60.01Hz Lamp Flux:3412.03x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5522	4334
80	7728	6025
75	8925	7022
70	9599	7697
65	9961	8161
60	10135	8486
55	10191	8730
50	10190	8911
45	10092	9050

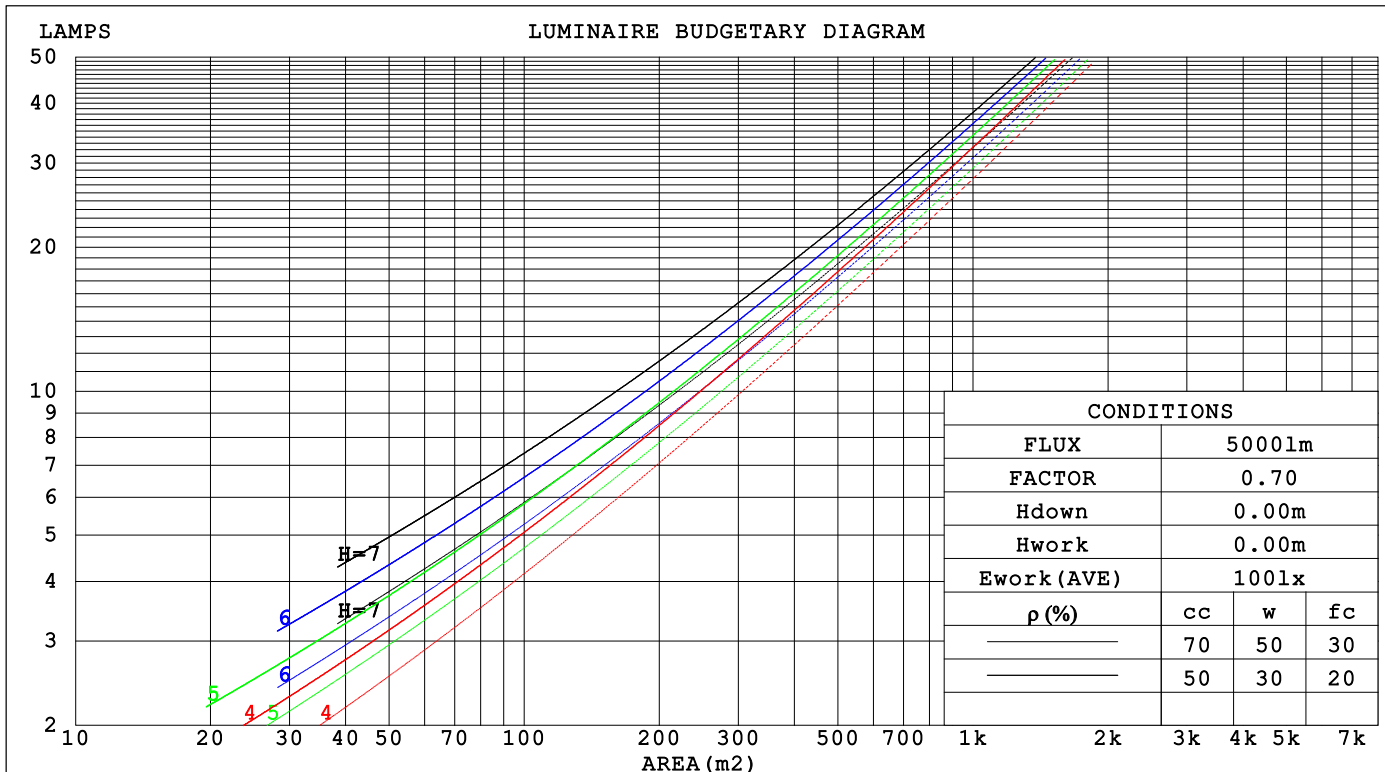
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.2°C
Operators: 彭辉林
Test Date: 2026-02-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 48.4%
Test Distance: 1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.04V I:0.2368A P:28.194W PF:0.9920 Freq:60.01Hz Lamp Flux:3412.03x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	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: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:彭辉林
Test Date:2026-02-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K

WEC AND CCEC

Test:U:120.04V I:0.2368A P:28.194W PF:0.9920 Freq:60.01Hz Lamp Flux:3412.03x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	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	.314	.179	.057	.307	.175	.056	.294	.169	.054	.281	.162	.052	.270	.157	.050		
2.0	.296	.162	.050	.290	.160	.049	.278	.155	.048	.267	.150	.047	.257	.145	.046		
3.0	.274	.146	.044	.268	.144	.043	.258	.140	.042	.248	.136	.042	.239	.132	.041		
4.0	.253	.131	.039	.248	.130	.038	.238	.126	.038	.230	.123	.037	.222	.120	.037		
5.0	.233	.119	.034	.229	.118	.034	.221	.115	.034	.213	.112	.033	.206	.110	.033		
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.031	.198	.103	.030	.192	.101	.030		
7.0	.201	.099	.028	.198	.098	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027		
8.0	.188	.092	.026	.184	.091	.026	.179	.089	.025	.173	.088	.025	.168	.086	.025		
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.023	.163	.082	.023	.158	.080	.023		
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.153	.076	.022	.149	.075	.022		

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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021		
1.0	.182	.158	.135	.156	.135	.117	.107	.093	.081	.061	.054	.047	.020	.017	.015		
2.0	.174	.133	.099	.149	.115	.086	.102	.079	.060	.059	.046	.035	.019	.015	.011		
3.0	.167	.116	.075	.143	.100	.065	.098	.069	.046	.057	.041	.027	.018	.013	.009		
4.0	.159	.103	.059	.137	.089	.052	.094	.062	.036	.054	.036	.021	.017	.012	.007		
5.0	.152	.092	.048	.130	.080	.042	.090	.056	.030	.052	.033	.018	.017	.011	.006		
6.0	.145	.084	.040	.124	.073	.035	.086	.051	.025	.050	.030	.015	.016	.010	.005		
7.0	.138	.077	.034	.119	.067	.030	.082	.047	.021	.048	.028	.013	.015	.009	.004		
8.0	.131	.071	.030	.113	.062	.026	.078	.043	.019	.045	.026	.011	.015	.008	.004		
9.0	.125	.066	.027	.108	.058	.023	.075	.040	.016	.044	.024	.010	.014	.008	.003		
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.009	.014	.007	.003		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:彭辉林
Test Date:2026-02-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K

UGR(Unified Glare Rating) Table

Test:U:120.04V I:0.2368A P:28.194W PF:0.9920 Freq:60.01Hz Lamp Flux:3412.03x1 lm										
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ETi Solid State lighting, Inc.					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	21.2	22.7	21.4	22.9	23.1	20.4	21.9	20.6	22.1	22.3
3H	22.9	24.3	23.2	24.5	24.8	21.9	23.3	22.2	23.5	23.8
4H	23.5	24.9	23.8	25.1	25.4	22.4	23.8	22.7	24.0	24.3
6H	24.0	25.3	24.3	25.5	25.8	22.8	24.1	23.1	24.4	24.6
8H	24.1	25.3	24.5	25.6	25.9	22.9	24.1	23.3	24.4	24.7
12H	24.2	25.3	24.5	25.6	26.0	22.9	24.1	23.3	24.4	24.7
4H 2H	21.7	23.1	22.0	23.3	23.6	21.1	22.5	21.4	22.7	23.0
3H	23.6	24.8	23.9	25.1	25.4	22.7	23.9	23.1	24.2	24.5
4H	24.4	25.5	24.8	25.8	26.1	23.4	24.5	23.8	24.8	25.2
6H	25.0	25.9	25.4	26.3	26.7	23.9	24.9	24.3	25.2	25.6
8H	25.1	26.0	25.6	26.4	26.8	24.1	25.0	24.5	25.3	25.7
12H	25.2	26.1	25.7	26.5	26.9	24.1	25.0	24.6	25.4	25.8
8H 4H	24.6	25.5	25.0	25.9	26.3	23.8	24.7	24.2	25.0	25.4
6H	25.3	26.1	25.8	26.5	26.9	24.4	25.1	24.8	25.5	26.0
8H	25.6	26.2	26.0	26.7	27.1	24.6	25.3	25.1	25.7	26.1
12H	25.7	26.3	26.2	26.8	27.2	24.7	25.3	25.2	25.7	26.2
12H 4H	24.6	25.4	25.0	25.8	26.2	23.8	24.6	24.2	25.0	25.4
6H	25.4	26.0	25.8	26.4	26.9	24.5	25.1	24.9	25.5	26.0
8H	25.6	26.2	26.1	26.7	27.1	24.7	25.3	25.2	25.7	26.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 3412 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.3)
Area: 0.11781 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:彭辉林
Test Date:2026-02-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K

UTILIZATION FACTORS TABLE

Test:U:120.04V I:0.2368A P:28.194W PF:0.9920 Freq:60.01Hz Lamp Flux:3412.03x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

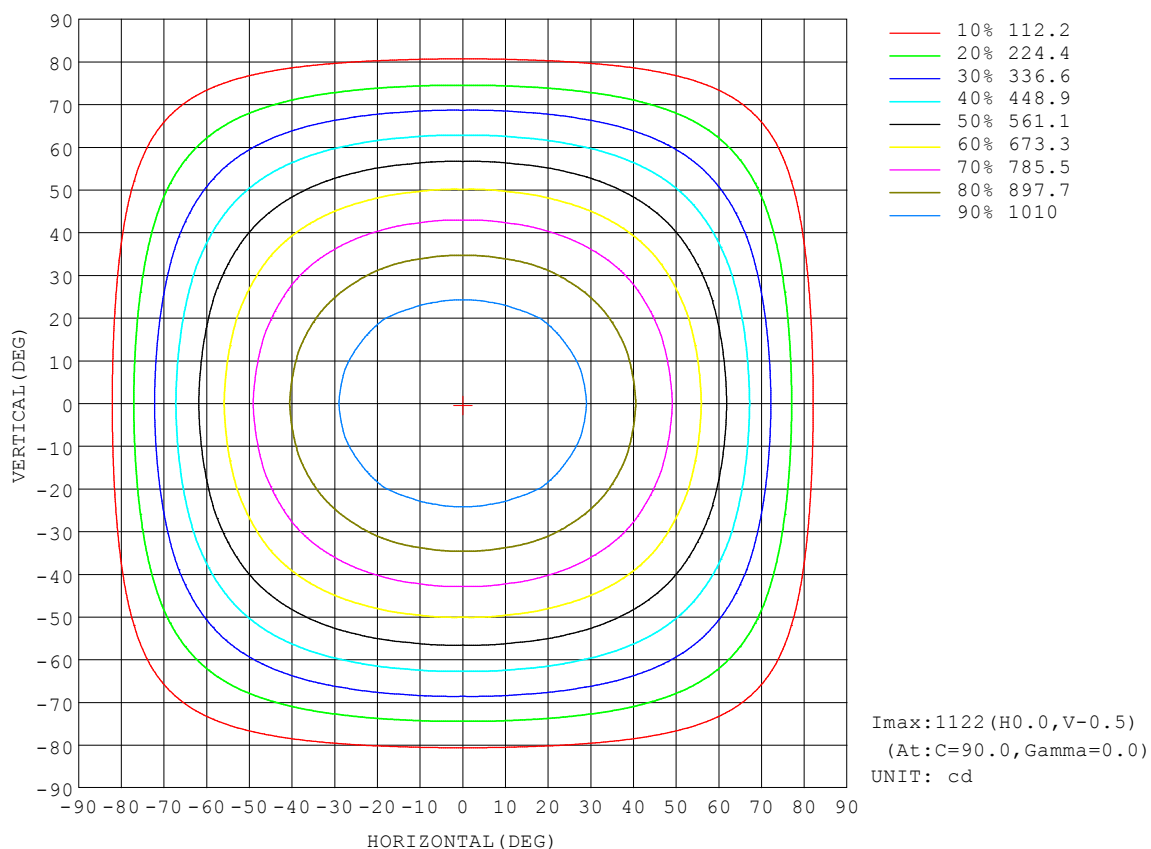
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	56	44	38	55	44	37	31
0.80	67	55	47	66	54	47	64	53	47	40
1.00	75	64	56	74	63	56	72	65	55	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	83	75	68	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	102	98	101	98	95	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.2°C
Operators: 彭辉林
Test Date: 2026-02-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 48.4%
Test Distance: 1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K

ISOCANDELA DIAGRAM

Test:U:120.04V I:0.2368A P:28.194W PF:0.9920 Freq:60.01Hz Lamp Flux:3412.03x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

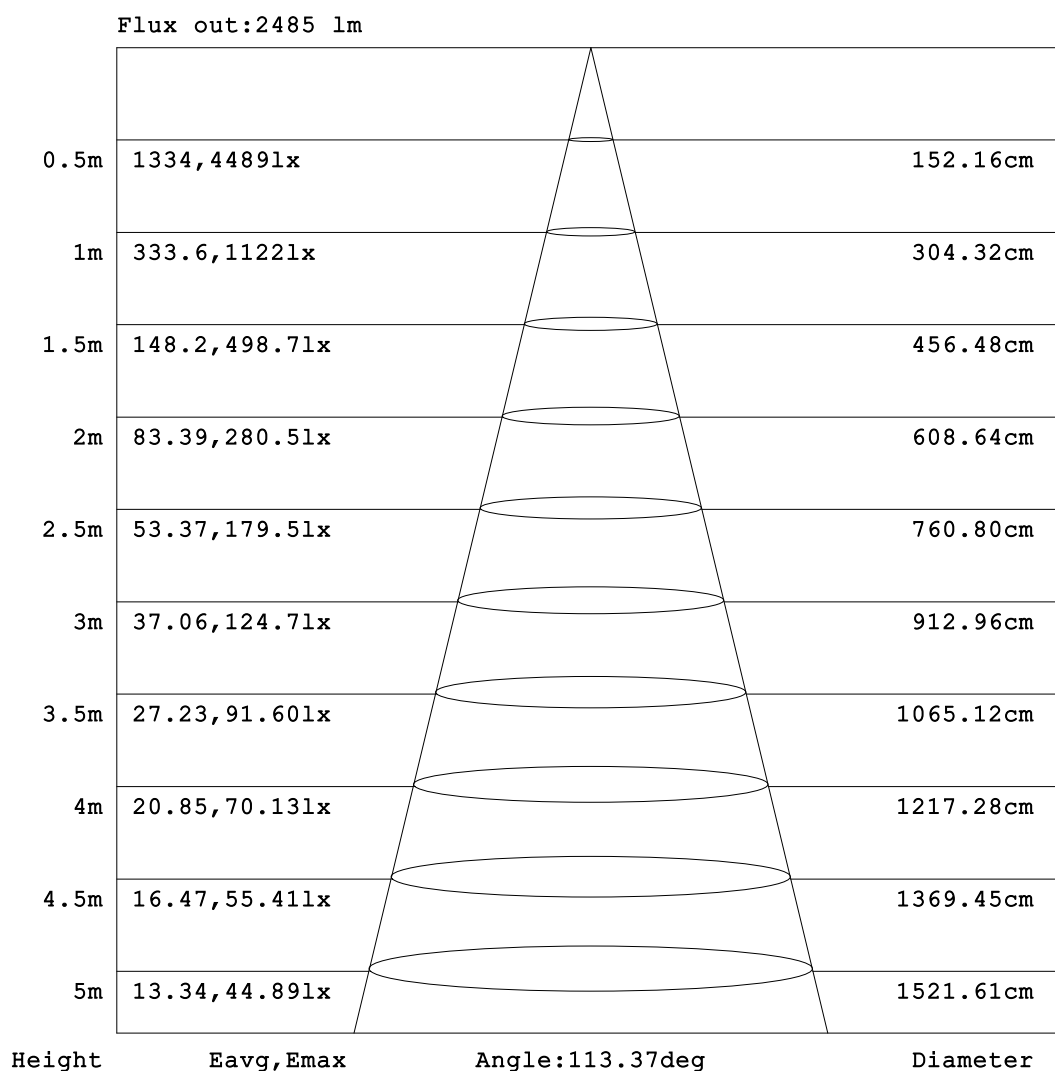


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:彭辉林
Test Date:2026-02-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K

AAI Figure

Test:U:120.04V I:0.2368A P:28.194W PF:0.9920 Freq:60.01Hz Lamp Flux:3412.03x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



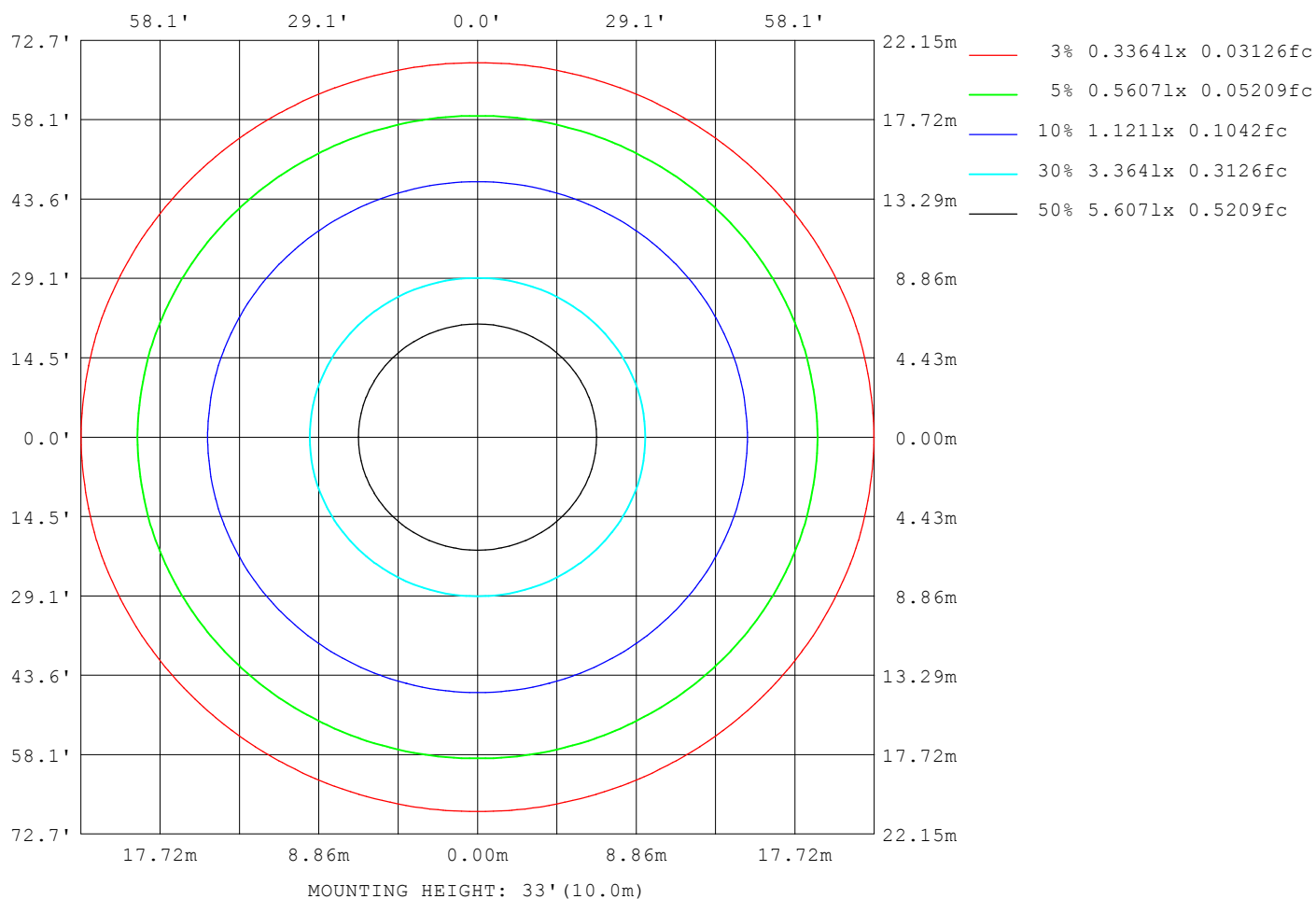
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:彭辉林
Test Date:2026-02-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K

ISOLUX DIAGRAM

Test:U:120.04V I:0.2368A P:28.194W PF:0.9920 Freq:60.01Hz Lamp Flux:3412.03x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.2°C
Operators: 彭辉林
Test Date: 2026-02-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 48.4%
Test Distance: 1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K

LED Avg.L Report

Test:U:120.04V I:0.2368A P:28.194W PF:0.9920 Freq:60.01Hz Lamp Flux:3412.03x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

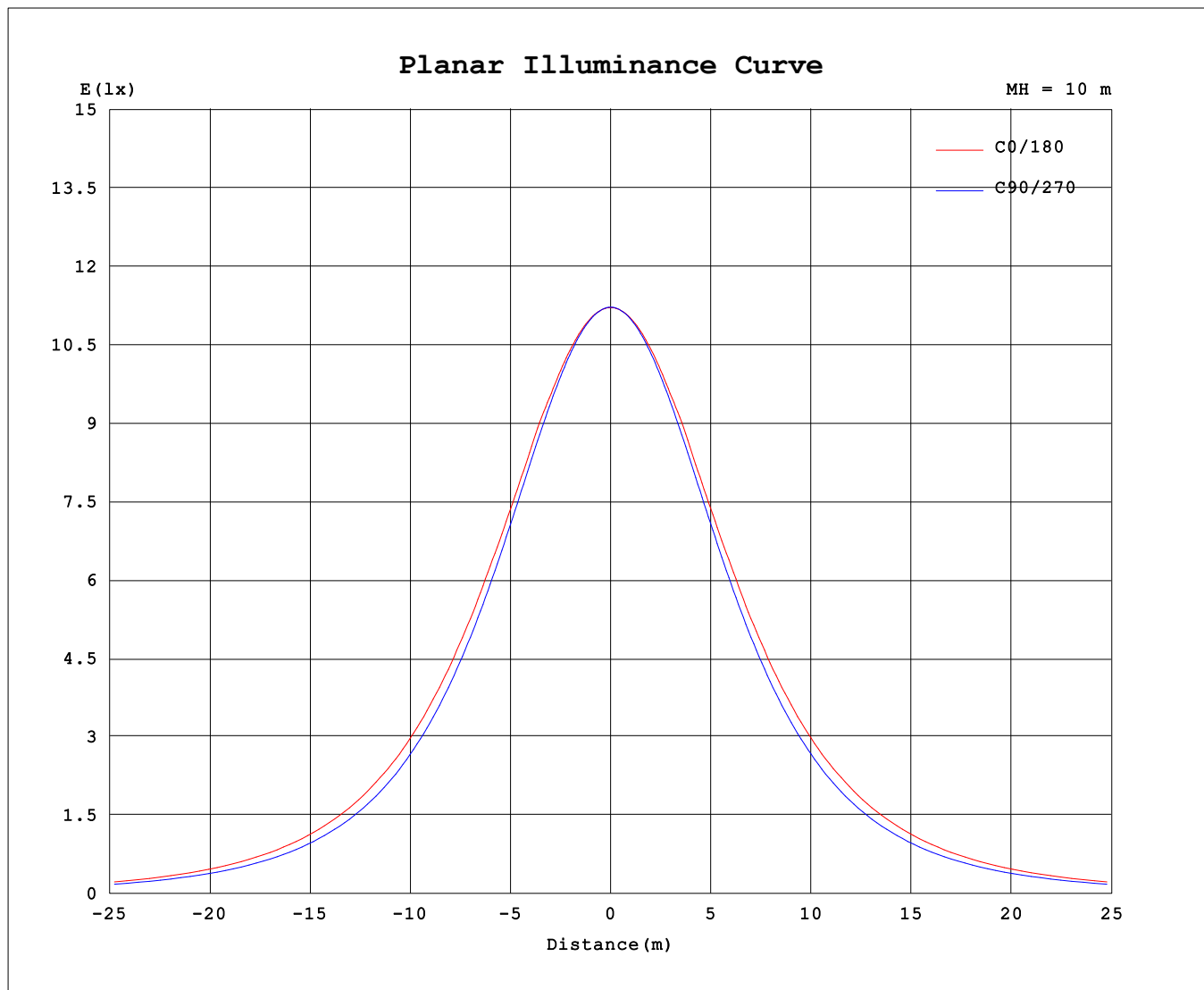
AvgL	cd/m2
L_0~180 (65) av	9961
L_0~180 (75) av	8925
L_0~180 (85) av	5522
L_90~270 (65) av	8161
L_90~270 (75) av	7022
L_90~270 (85) av	4334
L_45 (65) av	8958
L_45 (75) av	7841
L_45 (85) av	4888

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:彭辉林
Test Date:2026-02-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.2°C
Operators: 彭辉林
Test Date: 2026-02-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 48.4%
Test Distance: 1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.04V I:0.2368A P:28.194W PF:0.9920 Freq:60.01Hz Lamp Flux:3412.03x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1121	1121	1122	1122	1122	1122	1122	1122	1122	1122	1122	1121	1121	1121	1122	1122	1122	1122	1122
5	1118	1118	1118	1118	1117	1117	1117	1117	1117	1118	1118	1118	1118	1118	1118	1118	1117	1117	1117
10	1109	1108	1107	1106	1104	1103	1103	1103	1104	1106	1107	1108	1109	1108	1107	1106	1104	1103	1103
15	1093	1091	1089	1085	1082	1079	1078	1079	1082	1085	1089	1091	1093	1091	1089	1085	1082	1079	1078
20	1074	1072	1065	1057	1051	1046	1045	1046	1051	1057	1065	1072	1074	1072	1065	1057	1051	1046	1045
25	1039	1037	1031	1023	1012	1005	1002	1005	1012	1023	1031	1037	1039	1037	1031	1023	1012	1005	1002
30	1003	999	989	977	964	955	952	955	964	977	989	999	1003	999	989	977	964	955	952
35	957	952	942	923	909	897	893	897	909	923	942	952	957	952	942	923	909	897	893
40	903	898	884	863	847	831	827	831	847	863	884	898	903	898	884	863	847	831	827
45	841	834	818	795	774	759	754	759	774	795	818	834	841	834	818	795	774	759	754
50	772	764	743	719	696	680	675	680	696	719	743	764	772	764	743	719	696	680	675
55	689	681	661	635	611	595	590	595	611	635	661	681	689	681	661	635	611	595	590
60	597	590	569	543	521	505	500	505	521	543	569	590	597	590	569	543	521	505	500
65	496	489	470	446	425	411	406	411	425	446	470	489	496	489	470	446	425	411	406
70	387	381	364	344	326	314	310	314	326	344	364	381	387	381	364	344	326	314	310
75	272	267	254	239	226	217	214	217	226	239	254	267	272	267	254	239	226	217	214
80	158	155	147	138	130	125	123	125	130	138	147	155	158	155	147	138	130	125	123
85	56.7	55.8	53.3	50.2	47.2	45.1	44.5	45.1	47.2	50.2	53.3	55.8	56.7	55.8	53.3	50.2	47.2	45.1	44.5
90	1.17	1.54	1.56	1.53	1.39	1.31	1.33	1.31	1.39	1.53	1.56	1.54	1.17	1.54	1.56	1.53	1.39	1.31	1.33
95	0.17	0.19	0.33	0.40	0.43	0.44	0.46	0.44	0.43	0.40	0.33	0.19	0.17	0.19	0.33	0.40	0.43	0.44	0.46
100	0.30	0.36	0.50	0.53	0.56	0.57	0.59	0.57	0.56	0.53	0.50	0.36	0.30	0.36	0.50	0.53	0.56	0.57	0.59
105	0.37	0.44	0.60	0.64	0.65	0.65	0.67	0.65	0.65	0.64	0.60	0.44	0.37	0.44	0.60	0.64	0.65	0.65	0.67
110	0.43	0.52	0.68	0.72	0.74	0.75	0.74	0.75	0.74	0.72	0.68	0.52	0.43	0.52	0.68	0.72	0.74	0.75	0.74
115	0.48	0.59	0.75	0.79	0.82	0.83	0.83	0.83	0.82	0.79	0.75	0.59	0.48	0.59	0.75	0.79	0.82	0.83	0.83
120	0.55	0.65	0.80	0.86	0.89	0.90	0.90	0.90	0.89	0.86	0.80	0.65	0.55	0.65	0.80	0.86	0.89	0.90	0.90
125	0.65	0.78	0.87	0.92	0.97	1.00	0.97	1.00	0.97	0.92	0.87	0.78	0.65	0.78	0.87	0.92	0.97	1.00	0.97
130	0.82	0.94	1.04	1.08	1.13	1.18	1.16	1.18	1.13	1.08	1.04	0.94	0.82	0.94	1.04	1.08	1.13	1.18	1.16
135	1.01	1.11	1.24	1.28	1.32	1.39	1.38	1.39	1.32	1.28	1.24	1.11	1.01	1.11	1.24	1.28	1.32	1.39	1.38
140	1.27	1.35	1.50	1.55	1.60	1.66	1.68	1.66	1.60	1.55	1.50	1.35	1.27	1.35	1.50	1.55	1.60	1.66	1.68
145	1.56	1.60	1.74	1.85	1.94	1.98	2.02	1.98	1.94	1.85	1.74	1.60	1.56	1.60	1.74	1.85	1.94	1.98	2.02
150	1.79	1.81	1.93	2.07	2.17	2.23	2.28	2.23	2.17	2.07	1.93	1.81	1.79	1.81	1.93	2.07	2.17	2.23	2.28
155	1.94	1.96	2.05	2.19	2.31	2.38	2.45	2.38	2.31	2.19	2.05	1.96	1.94	1.96	2.05	2.19	2.31	2.38	2.45
160	2.01	2.04	2.10	2.20	2.34	2.44	2.49	2.44	2.34	2.20	2.10	2.04	2.01	2.04	2.10	2.20	2.34	2.44	2.49
165	2.05	2.07	2.11	2.18	2.31	2.41	2.44	2.41	2.31	2.18	2.11	2.07	2.05	2.07	2.11	2.18	2.31	2.41	2.44
170	2.09	2.11	2.13	2.18	2.27	2.35	2.37	2.35	2.27	2.18	2.13	2.11	2.09	2.11	2.13	2.18	2.27	2.35	2.37
175	2.09	2.11	2.14	2.19	2.25	2.30	2.31	2.30	2.25	2.19	2.14	2.11	2.09	2.11	2.14	2.19	2.25	2.30	2.31
180	2.11	2.14	2.17	2.21	2.26	2.34	2.38	2.34	2.26	2.21	2.17	2.14	2.11	2.14	2.17	2.21	2.26	2.34	2.38

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:彭辉林
Test Date:2026-02-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.04V I:0.2368A P:28.194W PF:0.9920 Freq:60.01Hz Lamp Flux:3412.03x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1122	1122	1122	1122	1121														
5	1117	1117	1118	1118	1118														
10	1103	1104	1106	1107	1108														
15	1079	1082	1085	1089	1091														
20	1046	1051	1057	1065	1072														
25	1005	1012	1023	1031	1037														
30	955	964	977	989	999														
35	897	909	923	942	952														
40	831	847	863	884	898														
45	759	774	795	818	834														
50	680	696	719	743	764														
55	595	611	635	661	681														
60	505	521	543	569	590														
65	411	425	446	470	489														
70	314	326	344	364	381														
75	217	226	239	254	267														
80	125	130	138	147	155														
85	45.1	47.2	50.2	53.3	55.8														
90	1.31	1.39	1.53	1.56	1.54														
95	0.44	0.43	0.40	0.33	0.19														
100	0.57	0.56	0.53	0.50	0.36														
105	0.65	0.65	0.64	0.60	0.44														
110	0.75	0.74	0.72	0.68	0.52														
115	0.83	0.82	0.79	0.75	0.59														
120	0.90	0.89	0.86	0.80	0.65														
125	1.00	0.97	0.92	0.87	0.78														
130	1.18	1.13	1.08	1.04	0.94														
135	1.39	1.32	1.28	1.24	1.11														
140	1.66	1.60	1.55	1.50	1.35														
145	1.98	1.94	1.85	1.74	1.60														
150	2.23	2.17	2.07	1.93	1.81														
155	2.38	2.31	2.19	2.05	1.96														
160	2.44	2.34	2.20	2.10	2.04														
165	2.41	2.31	2.18	2.11	2.07														
170	2.35	2.27	2.18	2.13	2.11														
175	2.30	2.25	2.19	2.14	2.11														
180	2.34	2.26	2.21	2.17	2.14														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:彭辉林
Test Date:2026-02-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500: