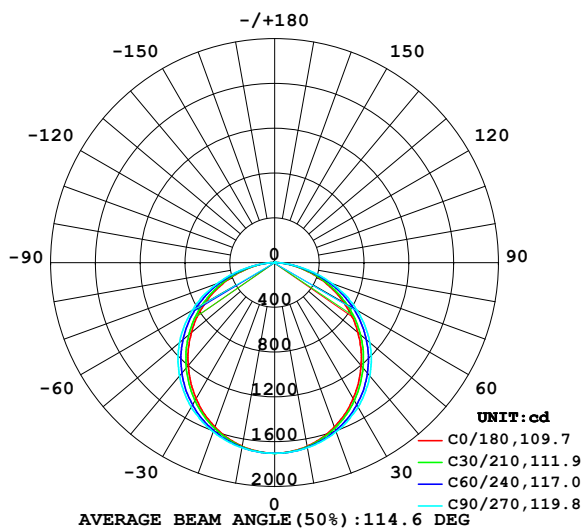


LUMINAIRE PHOTOMETRIC TEST REPORT

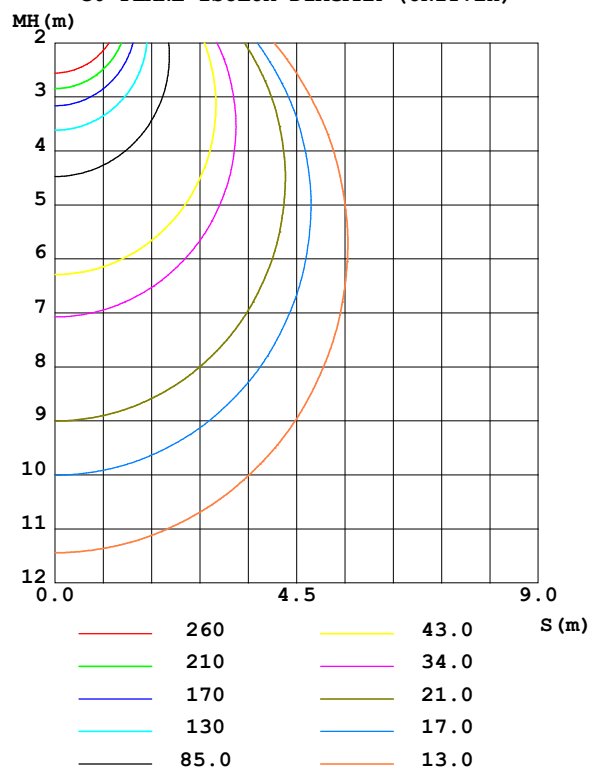
Test:U:120.16V I:0.3223A P:38.485W PF:0.9936 Freq:60.01Hz Lamp Flux:4972.54x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 129.21 lm/W
MODEL		I _{max} (cd)	1703	S/MH(C0/180)	1.23	
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.30	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4972.5	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	4972.54	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.9	
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120.078	η down (%)	99.8	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

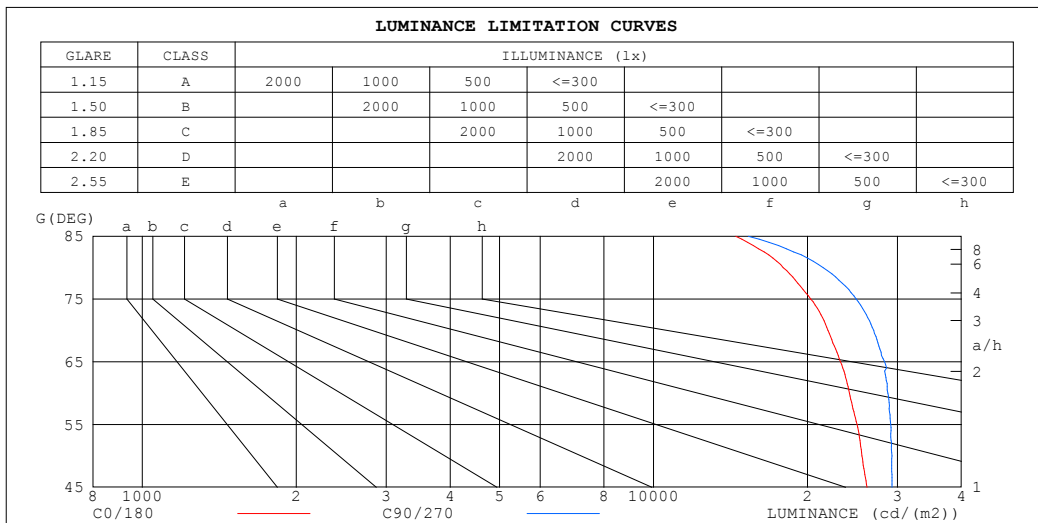
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1666	1673	1679	1673	1666	1673	1679	1673	0- 10	161.1	161.1	3.24,3.24
20	1562	1585	1607	1585	1562	1585	1607	1585	10- 20	461.7	622.8	12.5,12.5
30	1402	1445	1491	1445	1402	1445	1491	1445	20- 30	701.4	1324	26.6,26.6
40	1201	1259	1323	1259	1201	1259	1323	1259	30- 40	849.8	2174	43.7,43.7
50	970.5	1034	1111	1034	970.5	1034	1111	1034	40- 50	889.5	3064	61.6,61.6
60	713.3	775.6	848.5	775.6	713.3	775.6	848.5	775.6	50- 60	814.6	3878	78,78
70	443.3	487.2	544.9	487.2	443.3	487.2	544.9	487.2	60- 70	629.6	4508	90.7,90.7
80	184.0	199.6	220.2	199.6	184.0	199.6	220.2	199.6	70- 80	362.6	4870	97.9,97.9
90	12.25	7.491	3.444	7.491	12.25	7.491	3.444	7.491	80- 90	93.58	4964	99.8,99.8
100	0.4170	0.4141	0.3721	0.4141	0.4170	0.4141	0.3721	0.4141	90-100	1.084	4965	99.9,99.9
110	0.6255	0.6196	0.5719	0.6196	0.6255	0.6196	0.5719	0.6196	100-110	0.5422	4966	99.9,99.9
120	0.8728	0.8464	0.8015	0.8464	0.8728	0.8464	0.8015	0.8464	110-120	0.7231	4966	99.9,99.9
130	1.310	1.234	1.200	1.234	1.310	1.234	1.200	1.234	120-130	0.9040	4967	99.9,99.9
140	2.043	1.953	1.894	1.953	2.043	1.953	1.894	1.953	130-140	1.214	4968	99.9,99.9
150	2.936	2.763	2.694	2.763	2.936	2.763	2.694	2.763	140-150	1.491	4970	99.9,99.9
160	3.293	3.107	3.018	3.107	3.293	3.107	3.018	3.107	150-160	1.389	4971	100,100
170	3.253	3.093	3.025	3.093	3.253	3.093	3.025	3.093	160-170	0.8843	4972	100,100
180	3.376	3.184	3.090	3.184	3.376	3.184	3.090	3.184	170-180	0.3007	4973	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_300

LUMINANCE LIMITATION CURVES

Test:U:120.16V I:0.3223A P:38.485W PF:0.9936 Freq:60.01Hz Lamp Flux:4972.54x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	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	14479	15324
80	17942	21472
75	20297	24918
70	21948	26983
65	23225	28321
60	24161	28740
55	25005	29103
50	25570	29261
45	26144	29289

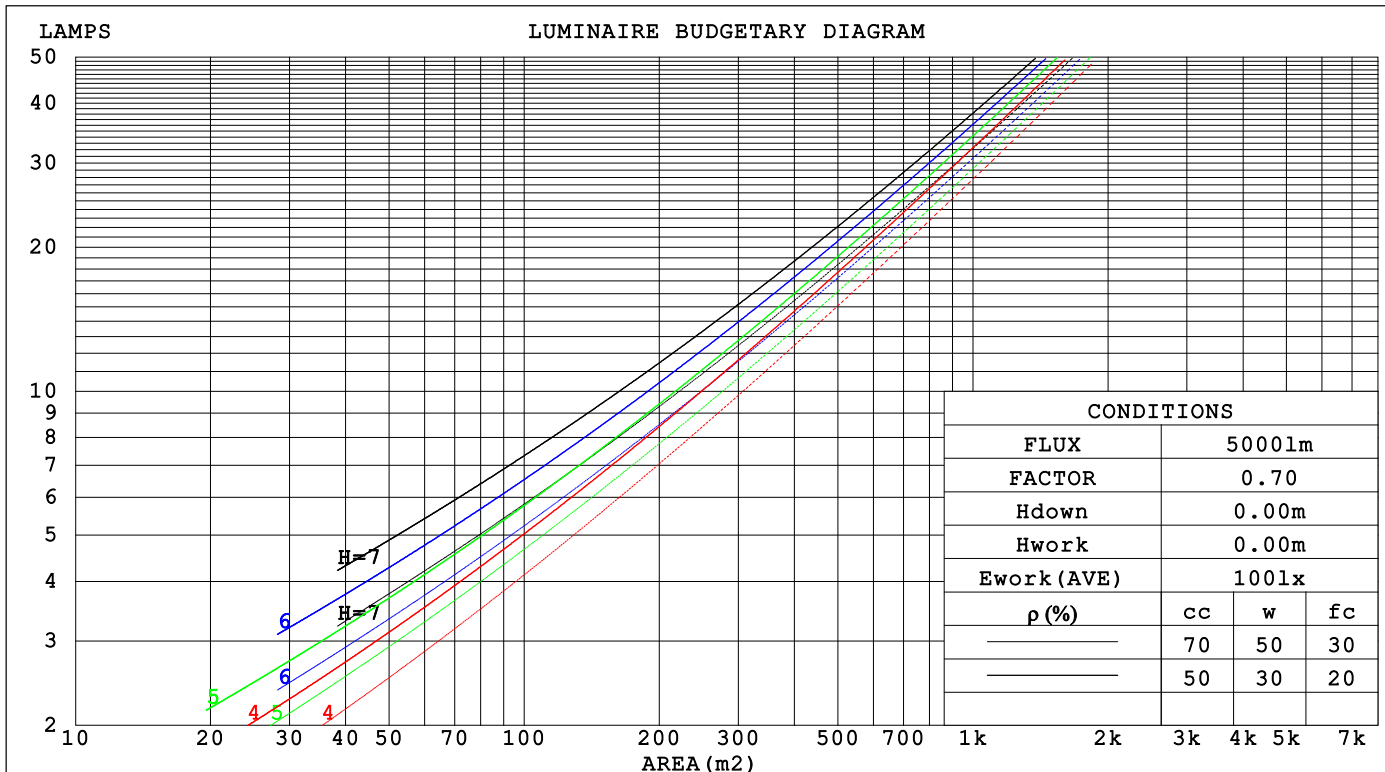
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 45.1%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.16V I:0.3223A P:38.485W PF:0.9936 Freq:60.01Hz Lamp Flux:4972.54x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	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:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K

WEC AND CCEC

Test:U:120.16V I:0.3223A P:38.485W PF:0.9936 Freq:60.01Hz Lamp Flux:4972.54x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	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	.313	.178	.056	.305	.174	.055	.292	.168	.054	.280	.161	.052	.268	.156	.050		
2.0	.294	.161	.049	.288	.159	.049	.276	.154	.048	.265	.149	.047	.255	.144	.046		
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.246	.135	.041	.238	.132	.041		
4.0	.251	.130	.038	.246	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036		
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.212	.112	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.148	.075	.021		

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	.157	.135	.156	.135	.117	.106	.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	.166	.116	.075	.143	.100	.065	.098	.069	.046	.057	.040	.027	.018	.013	.009		
4.0	.159	.102	.059	.136	.088	.052	.094	.062	.036	.054	.036	.021	.017	.012	.007		
5.0	.151	.092	.048	.130	.080	.042	.089	.056	.030	.052	.033	.018	.017	.011	.006		
6.0	.144	.084	.040	.124	.072	.035	.085	.051	.025	.050	.030	.015	.016	.010	.005		
7.0	.137	.077	.034	.118	.067	.030	.082	.047	.021	.047	.027	.013	.015	.009	.004		
8.0	.131	.071	.030	.113	.062	.026	.078	.043	.019	.045	.025	.011	.015	.008	.004		
9.0	.125	.066	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003		
10.0	.119	.062	.024	.102	.054	.021	.071	.038	.015	.041	.022	.009	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K

UGR(Unified Glare Rating) Table

Test:U:120.16V I:0.3223A P:38.485W PF:0.9936 Freq:60.01Hz Lamp Flux:4972.54x1 lm											
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K						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	2H	24.0	25.5	24.2	25.7	25.9	24.7	26.3	25.0	26.5	26.7
	3H	25.4	26.9	25.7	27.1	27.3	26.4	27.8	26.7	28.0	28.3
	4H	26.0	27.4	26.3	27.6	27.9	27.1	28.4	27.4	28.7	28.9
	6H	26.4	27.7	26.8	28.0	28.3	27.5	28.8	27.8	29.0	29.3
	8H	26.5	27.8	26.9	28.1	28.4	27.6	28.8	28.0	29.1	29.4
	12H	26.6	27.8	27.0	28.1	28.4	27.7	28.8	28.0	29.1	29.5
4H	2H	24.7	26.0	25.0	26.3	26.5	25.3	26.6	25.6	26.9	27.1
	3H	26.3	27.5	26.7	27.8	28.1	27.1	28.3	27.5	28.6	28.9
	4H	27.0	28.1	27.4	28.4	28.8	27.9	29.0	28.3	29.3	29.6
	6H	27.5	28.5	27.9	28.9	29.2	28.5	29.4	28.9	29.8	30.2
	8H	27.7	28.6	28.1	29.0	29.4	28.7	29.5	29.1	29.9	30.3
	12H	27.8	28.6	28.2	29.0	29.4	28.7	29.6	29.2	30.0	30.4
8H	4H	27.3	28.2	27.8	28.6	29.0	28.1	29.0	28.5	29.4	29.8
	6H	28.0	28.7	28.4	29.1	29.6	28.8	29.6	29.3	30.0	30.4
	8H	28.2	28.9	28.7	29.3	29.8	29.1	29.7	29.5	30.2	30.6
	12H	28.4	29.0	28.9	29.4	29.9	29.2	29.8	29.7	30.3	30.7
12H	4H	27.4	28.2	27.8	28.6	29.0	28.1	28.9	28.6	29.3	29.7
	6H	28.1	28.7	28.5	29.2	29.6	28.9	29.5	29.3	30.0	30.4
	8H	28.3	28.9	28.8	29.4	29.8	29.2	29.7	29.6	30.2	30.7
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.2 / - 0.2					+ 0.1 / - 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, 4973 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.6)
Area: 0.05905 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K

UTILIZATION FACTORS TABLE

Test:U:120.16V I:0.3223A P:38.485W PF:0.9936 Freq:60.01Hz Lamp Flux:4972.54x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

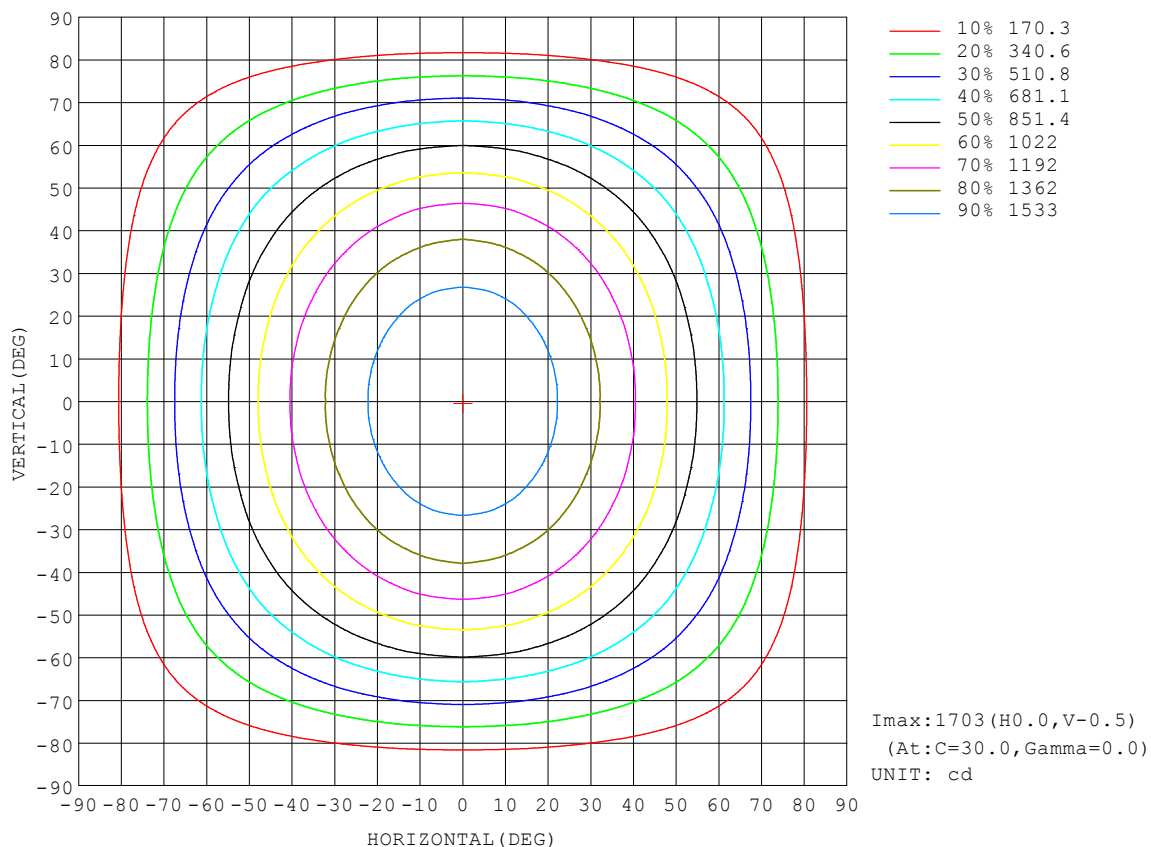
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	78
4.00	106	100	96	104	98	94	99	95	91	83
5.00	108	104	100	106	102	98	101	98	95	86
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: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 45.1%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K

ISOCANDELA DIAGRAM

Test:U:120.16V I:0.3223A P:38.485W PF:0.9936 Freq:60.01Hz Lamp Flux:4972.54x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

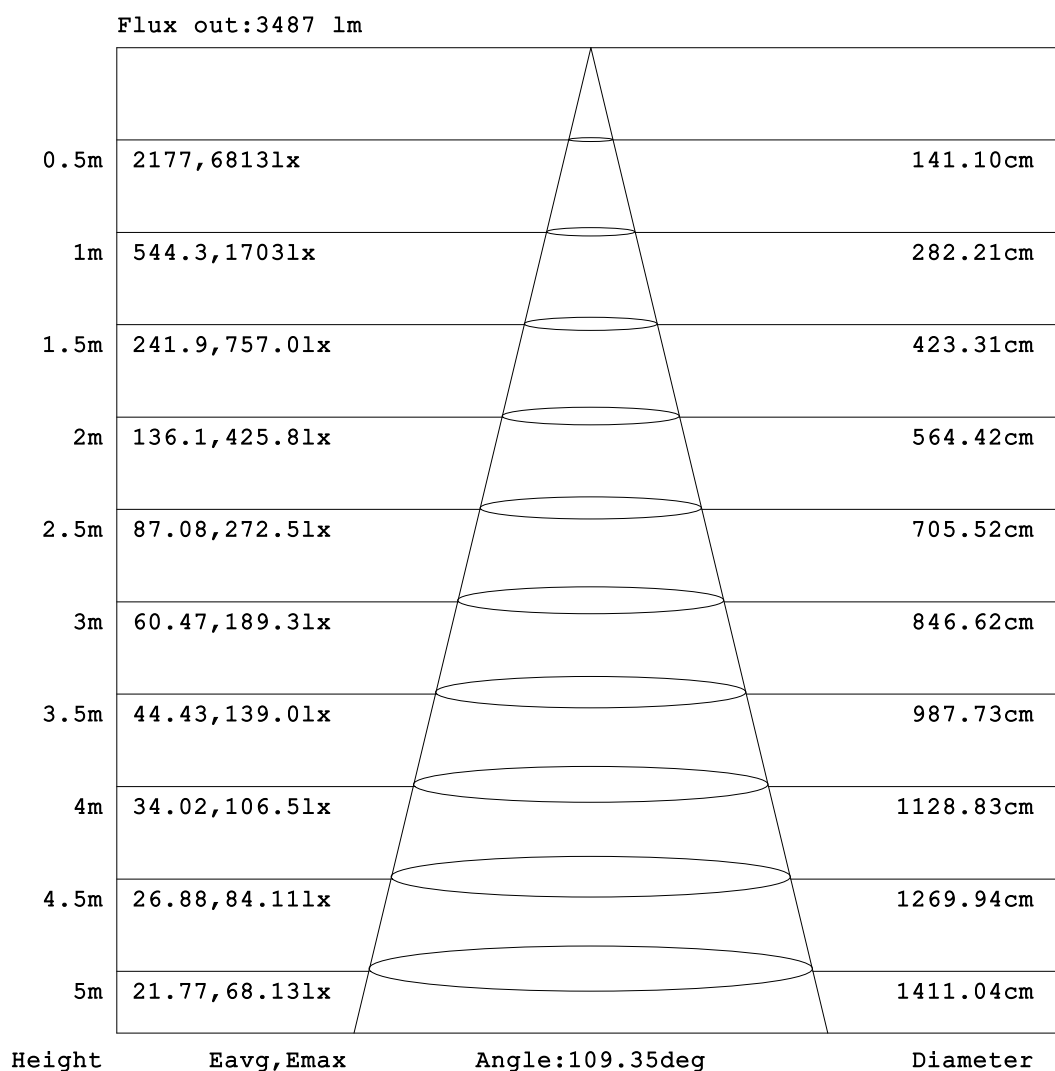


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K

AAI Figure

Test:U:120.16V I:0.3223A P:38.485W PF:0.9936 Freq:60.01Hz Lamp Flux:4972.54x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



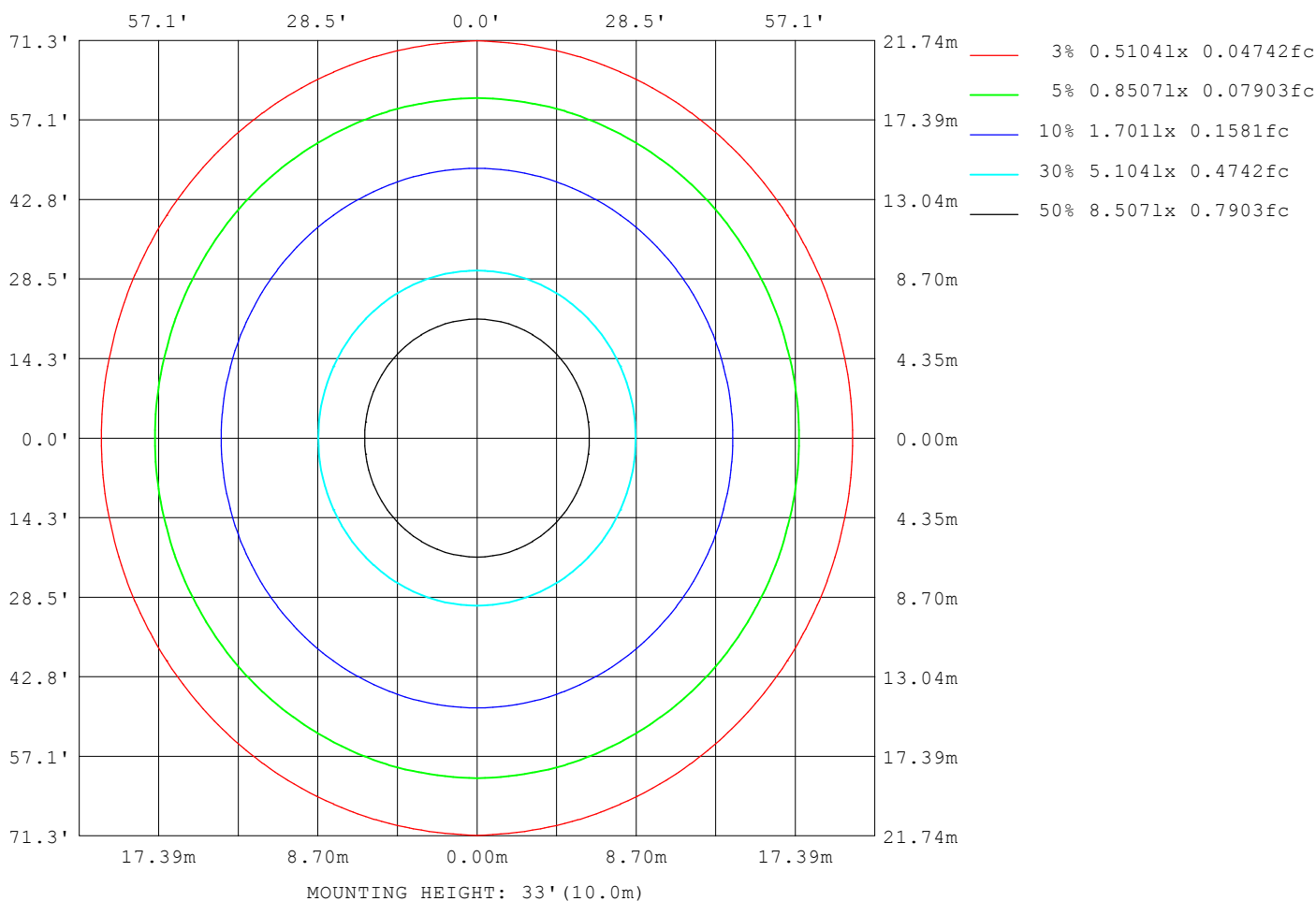
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K

ISOLUX DIAGRAM

Test:U:120.16V I:0.3223A P:38.485W PF:0.9936 Freq:60.01Hz Lamp Flux:4972.54x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	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:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K

LED Avg.L Report

Test:U:120.16V I:0.3223A P:38.485W PF:0.9936 Freq:60.01Hz Lamp Flux:4972.54x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

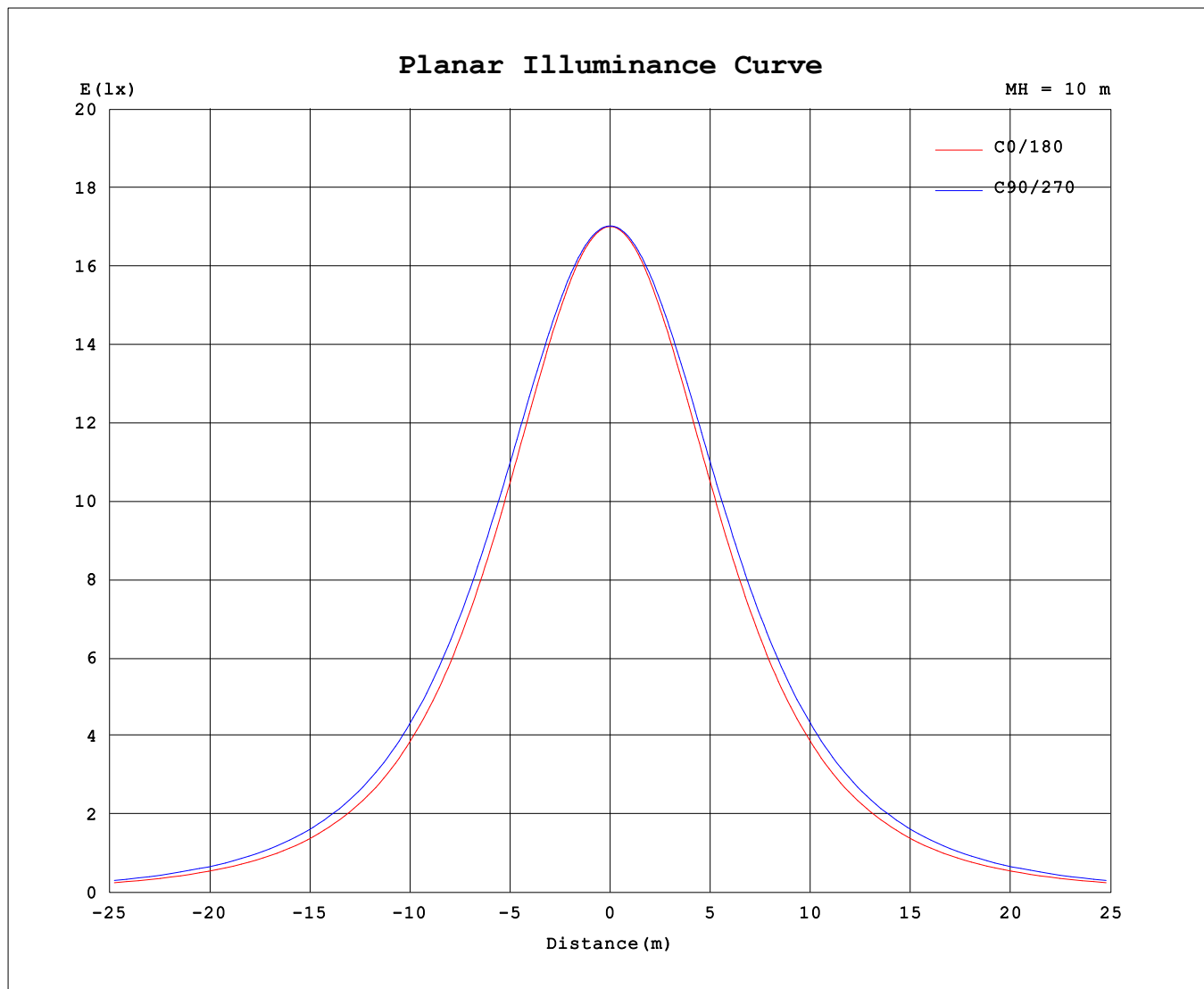
AvgL	cd/m2
L_0~180 (65) av	23225
L_0~180 (75) av	20297
L_0~180 (85) av	14479
L_90~270 (65) av	28321
L_90~270 (75) av	24918
L_90~270 (85) av	15324
L_45 (65) av	25400
L_45 (75) av	22271
L_45 (85) av	14982

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 27.2°C
 Operators: Alan Wang
 Test Date: 2026-04-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity: 45.1%
 Test Distance: 1.900m [K=1.0924]
 Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_300

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.16V I:0.3223A P:38.485W PF:0.9936 Freq:60.01Hz Lamp Flux:4972.54x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	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	1701	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1703	1701	1703	1703	1703	1703	1703	1703
5	1692	1694	1695	1695	1696	1697	1697	1697	1696	1695	1695	1694	1692	1694	1695	1695	1696	1697	1697
10	1666	1668	1670	1673	1676	1678	1679	1678	1676	1673	1670	1668	1666	1668	1670	1673	1676	1678	1679
15	1622	1624	1629	1636	1643	1648	1649	1648	1643	1636	1629	1624	1622	1624	1629	1636	1643	1648	1649
20	1562	1566	1574	1585	1596	1604	1607	1604	1596	1585	1574	1566	1562	1566	1574	1585	1596	1604	1607
25	1490	1494	1505	1521	1538	1551	1555	1551	1538	1521	1505	1494	1490	1494	1505	1521	1538	1551	1555
30	1402	1409	1424	1445	1467	1484	1491	1484	1467	1445	1424	1409	1402	1409	1424	1445	1467	1484	1491
35	1308	1313	1331	1357	1385	1404	1411	1404	1385	1357	1331	1313	1308	1313	1331	1357	1385	1404	1411
40	1201	1209	1229	1259	1289	1314	1323	1314	1289	1259	1229	1209	1201	1209	1229	1259	1289	1314	1323
45	1092	1098	1119	1150	1185	1213	1223	1213	1185	1150	1119	1098	1092	1098	1119	1150	1185	1213	1223
50	971	979	1001	1034	1069	1098	1111	1098	1069	1034	1001	979	971	979	1001	1034	1069	1098	1111
55	847	854	876	908	945	974	986	974	945	908	876	854	847	854	876	908	945	974	986
60	713	721	744	776	810	838	849	838	810	776	744	721	713	721	744	776	810	838	849
65	580	585	605	634	666	691	707	691	666	634	605	585	580	585	605	634	666	691	707
70	443	448	463	487	515	536	545	536	515	487	463	448	443	448	463	487	515	536	545
75	310	313	324	340	360	376	381	376	360	340	324	313	310	313	324	340	360	376	381
80	184	185	191	200	210	218	220	218	210	200	191	185	184	185	191	200	210	218	220
85	74.5	73.8	75.0	77.1	78.5	79.1	78.9	79.1	78.5	77.1	75.0	73.8	74.5	73.8	75.0	77.1	78.5	79.1	78.9
90	12.3	10.1	8.59	7.49	5.54	3.65	3.44	3.65	5.54	7.49	8.59	10.1	12.3	10.1	8.59	7.49	5.54	3.65	3.44
95	0.28	0.29	0.27	0.27	0.26	0.25	0.26	0.25	0.26	0.27	0.27	0.29	0.28	0.29	0.27	0.27	0.26	0.25	0.26
100	0.42	0.43	0.41	0.41	0.40	0.38	0.37	0.38	0.40	0.41	0.41	0.43	0.42	0.43	0.41	0.41	0.40	0.38	0.37
105	0.52	0.54	0.52	0.52	0.51	0.48	0.47	0.48	0.51	0.52	0.52	0.54	0.52	0.54	0.52	0.52	0.51	0.48	0.47
110	0.63	0.64	0.62	0.62	0.61	0.58	0.57	0.58	0.61	0.62	0.62	0.64	0.63	0.64	0.62	0.62	0.61	0.58	0.57
115	0.75	0.77	0.74	0.73	0.72	0.70	0.70	0.70	0.72	0.73	0.74	0.77	0.75	0.77	0.74	0.73	0.72	0.70	0.70
120	0.87	0.90	0.87	0.85	0.82	0.79	0.80	0.79	0.82	0.85	0.87	0.90	0.87	0.90	0.87	0.85	0.82	0.79	0.80
125	1.03	1.05	1.01	0.98	0.96	0.95	0.94	0.95	0.96	0.98	1.01	1.05	1.03	1.05	1.01	0.98	0.96	0.95	0.94
130	1.31	1.32	1.26	1.23	1.20	1.22	1.20	1.22	1.20	1.23	1.26	1.32	1.31	1.32	1.26	1.23	1.20	1.22	1.20
135	1.63	1.64	1.56	1.53	1.51	1.52	1.50	1.52	1.51	1.53	1.56	1.64	1.63	1.64	1.56	1.53	1.51	1.52	1.50
140	2.04	2.05	1.98	1.95	1.94	1.92	1.89	1.92	1.94	1.95	1.98	2.05	2.04	2.05	1.98	1.95	1.94	1.92	1.89
145	2.50	2.50	2.44	2.39	2.38	2.36	2.32	2.36	2.38	2.39	2.44	2.50	2.50	2.50	2.44	2.39	2.38	2.36	2.32
150	2.94	2.91	2.85	2.76	2.70	2.69	2.69	2.69	2.70	2.76	2.85	2.91	2.94	2.91	2.85	2.76	2.70	2.69	2.69
155	3.20	3.18	3.09	3.02	2.91	2.92	2.94	2.92	2.91	3.02	3.09	3.18	3.20	3.18	3.09	3.02	2.91	2.92	2.94
160	3.29	3.28	3.18	3.11	3.01	3.02	3.02	3.02	3.01	3.11	3.18	3.28	3.29	3.28	3.18	3.11	3.01	3.02	3.02
165	3.28	3.27	3.17	3.06	3.02	3.05	3.02	3.05	3.02	3.06	3.17	3.27	3.28	3.27	3.17	3.06	3.02	3.05	3.02
170	3.25	3.27	3.18	3.09	3.05	3.03	3.02	3.03	3.05	3.09	3.18	3.27	3.25	3.27	3.18	3.09	3.05	3.03	3.02
175	3.27	3.30	3.21	3.13	3.09	3.06	3.05	3.06	3.09	3.13	3.21	3.30	3.27	3.30	3.21	3.13	3.09	3.06	3.05
180	3.38	3.35	3.25	3.18	3.14	3.11	3.09	3.11	3.14	3.18	3.25	3.35	3.38	3.35	3.25	3.18	3.14	3.11	3.09

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_300

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.16V I:0.3223A P:38.485W PF:0.9936 Freq:60.01Hz Lamp Flux:4972.54x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	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	1703	1703	1703	1703	1703													
5	1697	1696	1695	1695	1694													
10	1678	1676	1673	1670	1668													
15	1648	1643	1636	1629	1624													
20	1604	1596	1585	1574	1566													
25	1551	1538	1521	1505	1494													
30	1484	1467	1445	1424	1409													
35	1404	1385	1357	1331	1313													
40	1314	1289	1259	1229	1209													
45	1213	1185	1150	1119	1098													
50	1098	1069	1034	1001	979													
55	974	945	908	876	854													
60	838	810	776	744	721													
65	691	666	634	605	585													
70	536	515	487	463	448													
75	376	360	340	324	313													
80	218	210	200	191	185													
85	79.1	78.5	77.1	75.0	73.8													
90	3.65	5.54	7.49	8.59	10.1													
95	0.25	0.26	0.27	0.27	0.29													
100	0.38	0.40	0.41	0.41	0.43													
105	0.48	0.51	0.52	0.52	0.54													
110	0.58	0.61	0.62	0.62	0.64													
115	0.70	0.72	0.73	0.74	0.77													
120	0.79	0.82	0.85	0.87	0.90													
125	0.95	0.96	0.98	1.01	1.05													
130	1.22	1.20	1.23	1.26	1.32													
135	1.52	1.51	1.53	1.56	1.64													
140	1.92	1.94	1.95	1.98	2.05													
145	2.36	2.38	2.39	2.44	2.50													
150	2.69	2.70	2.76	2.85	2.91													
155	2.92	2.91	3.02	3.09	3.18													
160	3.02	3.01	3.11	3.18	3.28													
165	3.05	3.02	3.06	3.17	3.27													
170	3.03	3.05	3.09	3.18	3.27													
175	3.06	3.09	3.13	3.21	3.30													
180	3.11	3.14	3.18	3.25	3.35													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K