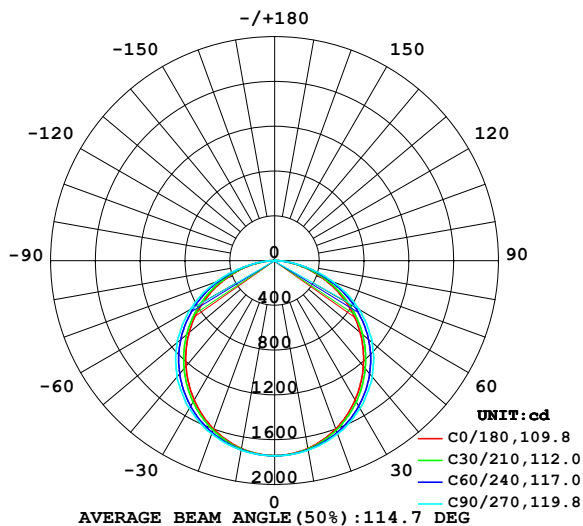


LUMINAIRE PHOTOMETRIC TEST REPORT

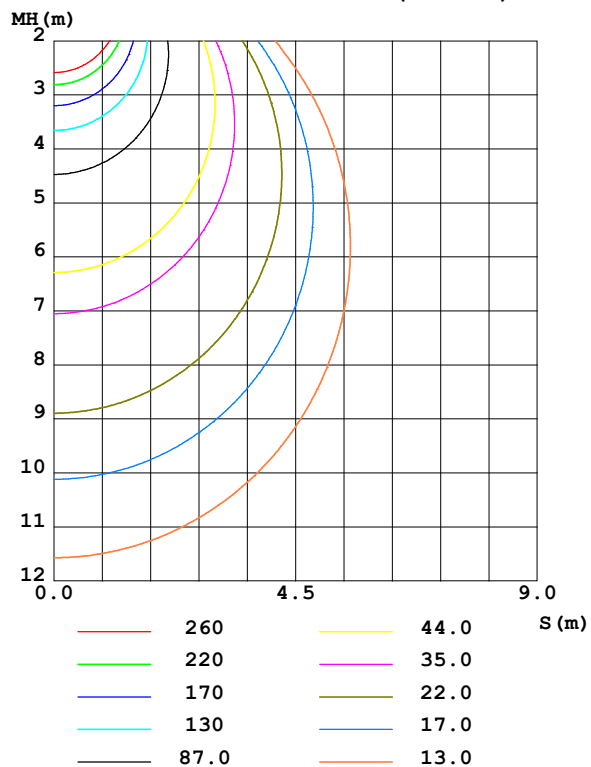
Test:U:120.09V I:0.3254A P:38.829W PF:0.9935 Freq:60.01Hz Lamp Flux:5096.01x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.24 lm/W			
MODEL		I _{max} (cd)	1743	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)	5096.0	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	5096.01	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°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%_400

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

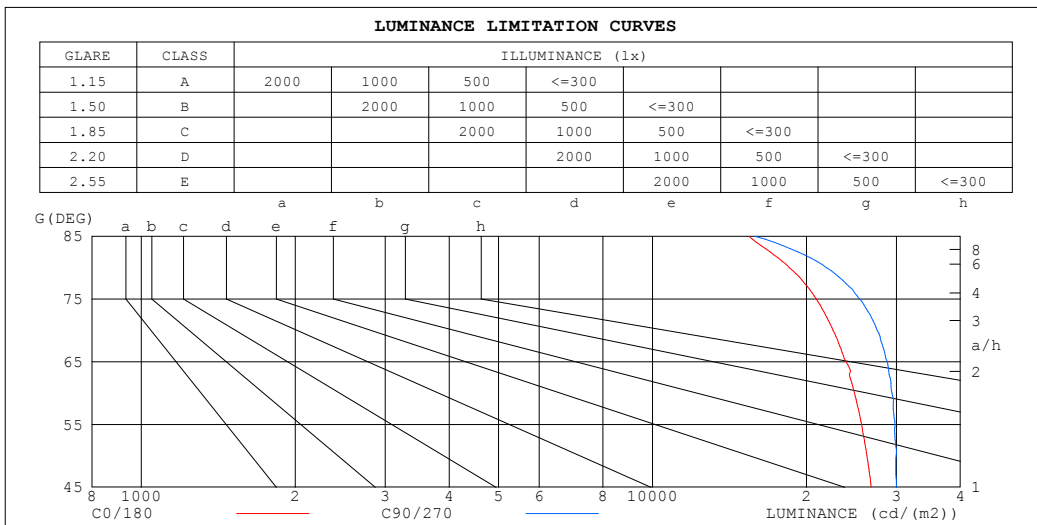
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1704	1712	1718	1712	1704	1712	1718	1712	0- 10	164.9	164.9	3.24,3.24
20	1600	1623	1645	1623	1600	1623	1645	1623	10- 20	472.6	637.5	12.5,12.5
30	1438	1481	1525	1481	1438	1481	1525	1481	20- 30	718.1	1356	26.6,26.6
40	1233	1289	1356	1289	1233	1289	1356	1289	30- 40	870.4	2226	43.7,43.7
50	996.9	1059	1136	1059	996.9	1059	1136	1059	40- 50	911.3	3137	61.6,61.6
60	732.8	795.0	868.3	795.0	732.8	795.0	868.3	795.0	50- 60	834.7	3972	77.9,77.9
70	455.6	499.6	555.4	499.6	455.6	499.6	555.4	499.6	60- 70	645.2	4617	90.6,90.6
80	189.9	205.0	224.4	205.0	189.9	205.0	224.4	205.0	70- 80	371.7	4989	97.9,97.9
90	15.13	9.491	6.639	9.491	15.13	9.491	6.639	9.491	80- 90	97.93	5087	99.8,99.8
100	0.4434	0.4188	0.3688	0.4188	0.4434	0.4188	0.3688	0.4188	90-100	1.640	5088	99.9,99.9
110	0.6513	0.6446	0.5948	0.6446	0.6513	0.6446	0.5948	0.6446	100-110	0.5662	5089	99.9,99.9
120	0.9014	0.8816	0.8205	0.8816	0.9014	0.8816	0.8205	0.8816	110-120	0.7509	5090	99.9,99.9
130	1.345	1.250	1.215	1.250	1.345	1.250	1.215	1.250	120-130	0.9263	5091	99.9,99.9
140	2.090	1.978	1.919	1.978	2.090	1.978	1.919	1.978	130-140	1.232	5092	99.9,99.9
150	3.001	2.808	2.737	2.808	3.001	2.808	2.737	2.808	140-150	1.515	5093	99.9,99.9
160	3.370	3.172	3.105	3.172	3.370	3.172	3.105	3.172	150-160	1.417	5095	100,100
170	3.331	3.189	3.126	3.189	3.331	3.189	3.126	3.189	160-170	0.9092	5096	100,100
180	3.493	3.264	3.172	3.264	3.493	3.264	3.172	3.264	170-180	0.3100	5096	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%_400

LUMINANCE LIMITATION CURVES

Test:U:120.09V I:0.3254A P:38.829W PF:0.9935 Freq:60.01Hz Lamp Flux:5096.01x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	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	15463	15835
80	18516	21886
75	20910	25416
70	22561	27498
65	23915	28831
60	24819	29407
55	25624	29802
50	26265	29936
45	26781	29996

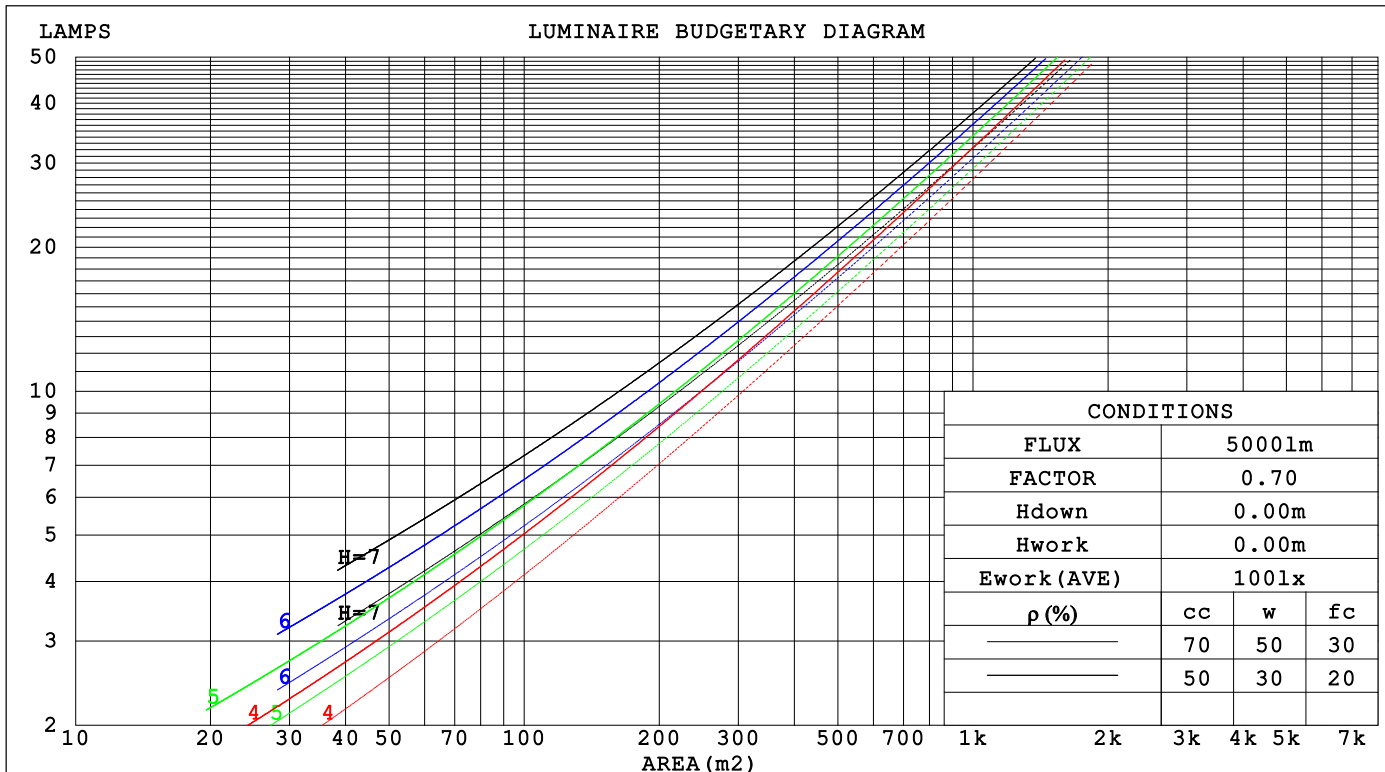
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-28

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%_4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.09V I:0.3254A P:38.829W PF:0.9935 Freq:60.01Hz Lamp Flux:5096.01x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	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%_400

WEC AND CCEC

Test:U:120.09V I:0.3254A P:38.829W PF:0.9935 Freq:60.01Hz Lamp Flux:5096.01x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	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	.306	.174	.055	.293	.168	.054	.280	.162	.052	.269	.156	.050	
2.0	.295	.161	.050	.288	.159	.049	.276	.154	.048	.265	.149	.047	.255	.144	.046	
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.247	.135	.041	.238	.132	.041	
4.0	.251	.131	.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	.158	.136	.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	.041	.027	.018	.013	.009	
4.0	.159	.102	.059	.136	.089	.052	.094	.062	.036	.054	.036	.022	.017	.012	.007	
5.0	.151	.092	.048	.130	.080	.042	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.040	.124	.073	.035	.085	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.137	.077	.034	.118	.067	.030	.082	.047	.021	.047	.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	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.103	.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%_4000K

UGR(Unified Glare Rating) Table

Test:U:120.09V I:0.3254A P:38.829W PF:0.9935 Freq:60.01Hz Lamp Flux:5096.01x1 lm											
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K						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	24.1	25.6	24.3	25.8	26.0	24.8	26.3	25.1	26.5	26.8
	3H	25.5	26.9	25.8	27.2	27.4	26.5	27.9	26.8	28.1	28.4
	4H	26.1	27.5	26.4	27.7	28.0	27.1	28.5	27.4	28.7	29.0
	6H	26.5	27.8	26.9	28.1	28.4	27.6	28.8	27.9	29.1	29.4
	8H	26.6	27.9	27.0	28.2	28.5	27.7	28.9	28.0	29.2	29.5
	12H	26.7	27.9	27.1	28.2	28.5	27.7	28.9	28.1	29.2	29.5
4H	2H	24.8	26.1	25.1	26.4	26.6	25.4	26.7	25.7	27.0	27.2
	3H	26.4	27.6	26.8	27.9	28.2	27.2	28.4	27.6	28.7	29.0
	4H	27.1	28.2	27.5	28.5	28.9	28.0	29.1	28.4	29.4	29.7
	6H	27.6	28.6	28.0	29.0	29.3	28.5	29.5	29.0	29.9	30.2
	8H	27.8	28.7	28.2	29.1	29.5	28.7	29.6	29.1	30.0	30.4
	12H	27.9	28.7	28.3	29.1	29.5	28.8	29.6	29.2	30.0	30.4
8H	4H	27.4	28.3	27.8	28.7	29.1	28.2	29.1	28.6	29.5	29.9
	6H	28.1	28.8	28.5	29.2	29.7	28.9	29.7	29.4	30.1	30.5
	8H	28.3	29.0	28.8	29.4	29.9	29.2	29.8	29.6	30.2	30.7
	12H	28.5	29.1	29.0	29.5	30.0	29.3	29.9	29.8	30.3	30.8
12H	4H	27.5	28.3	27.9	28.7	29.1	28.2	29.0	28.6	29.4	29.8
	6H	28.2	28.8	28.6	29.3	29.7	28.9	29.6	29.4	30.0	30.5
	8H	28.4	29.0	28.9	29.5	29.9	29.2	29.8	29.7	30.3	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, 5096 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.7)
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%_4000K

UTILIZATION FACTORS TABLE

Test:U:120.09V I:0.3254A P:38.829W PF:0.9935 Freq:60.01Hz Lamp Flux:5096.01x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

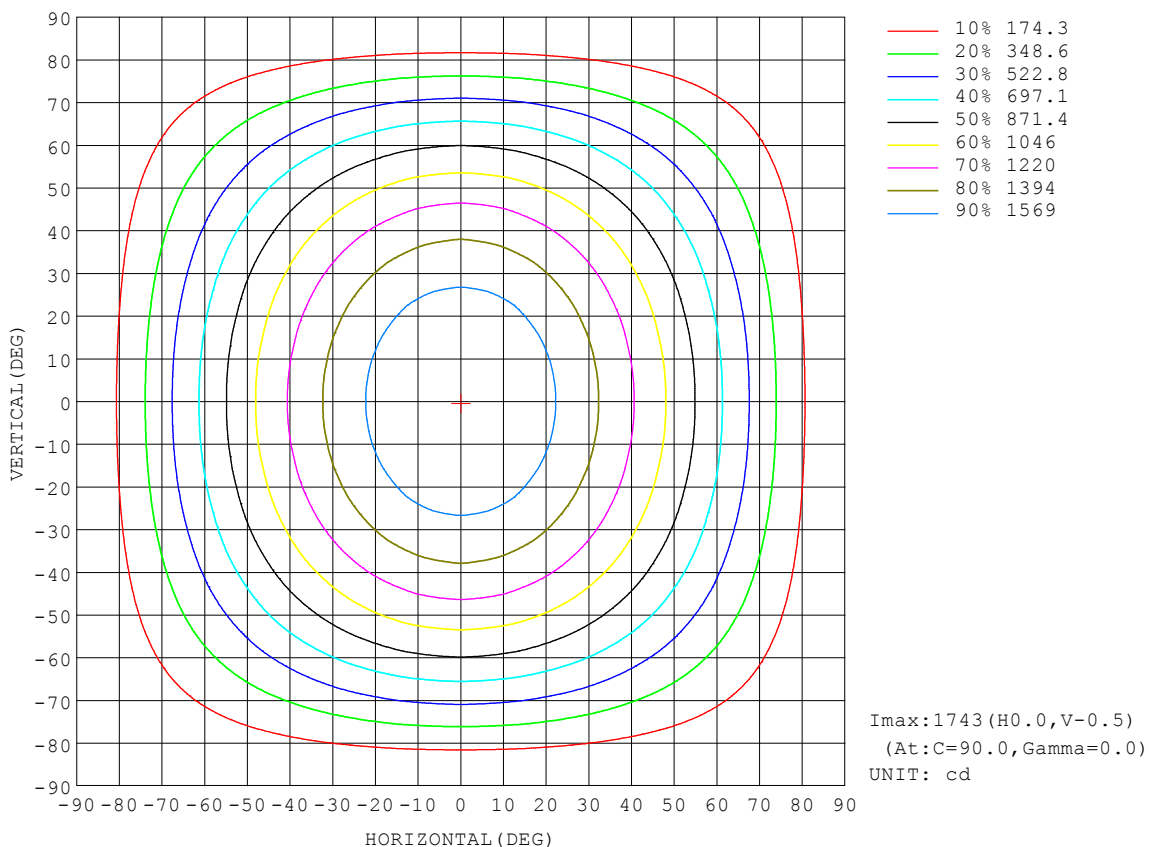
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	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	82
5.00	108	104	99	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%_4000K

ISOCANDELA DIAGRAM

Test:U:120.09V I:0.3254A P:38.829W PF:0.9935 Freq:60.01Hz Lamp Flux:5096.01x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

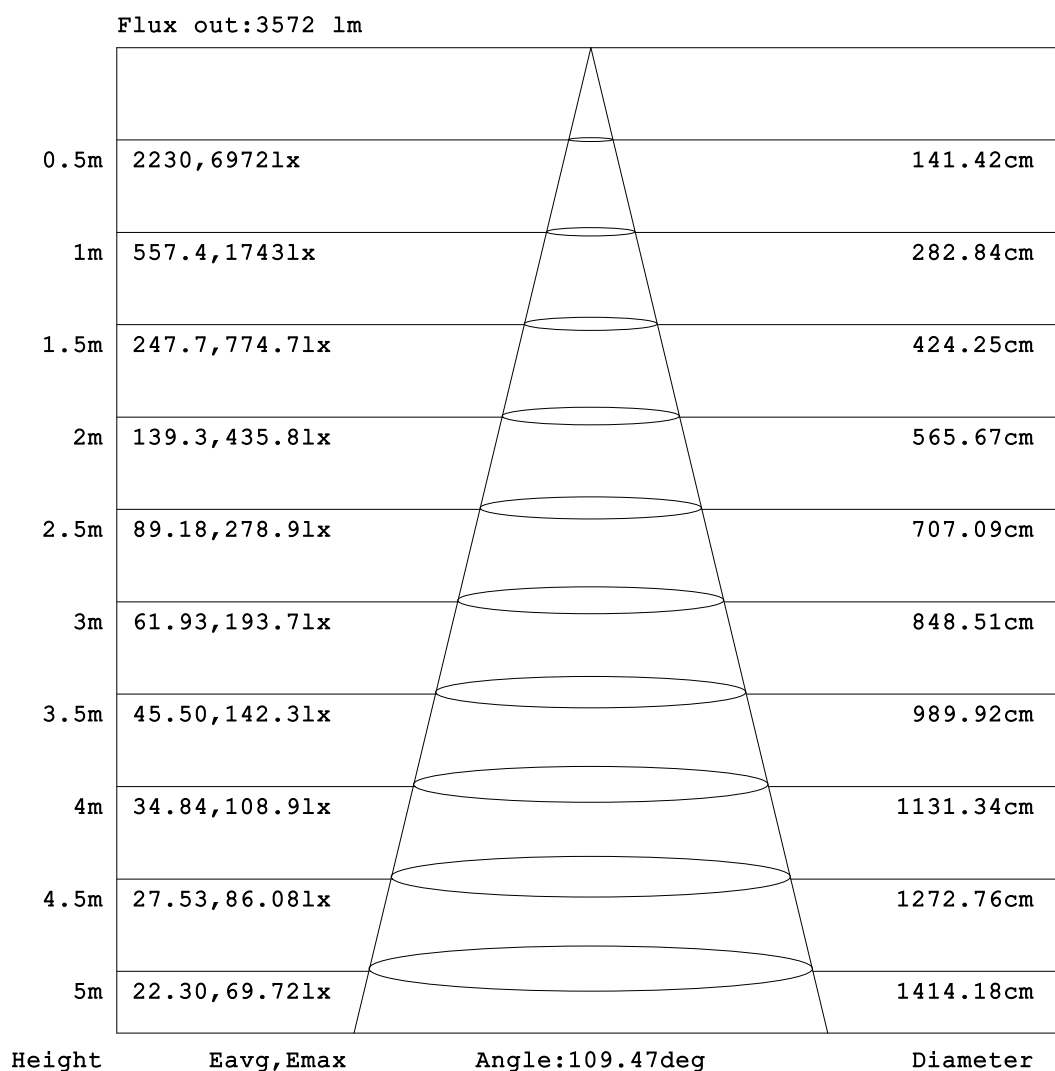


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

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%_4000K

AAI Figure

Test:U:120.09V I:0.3254A P:38.829W PF:0.9935 Freq:60.01Hz Lamp Flux:5096.01lx1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



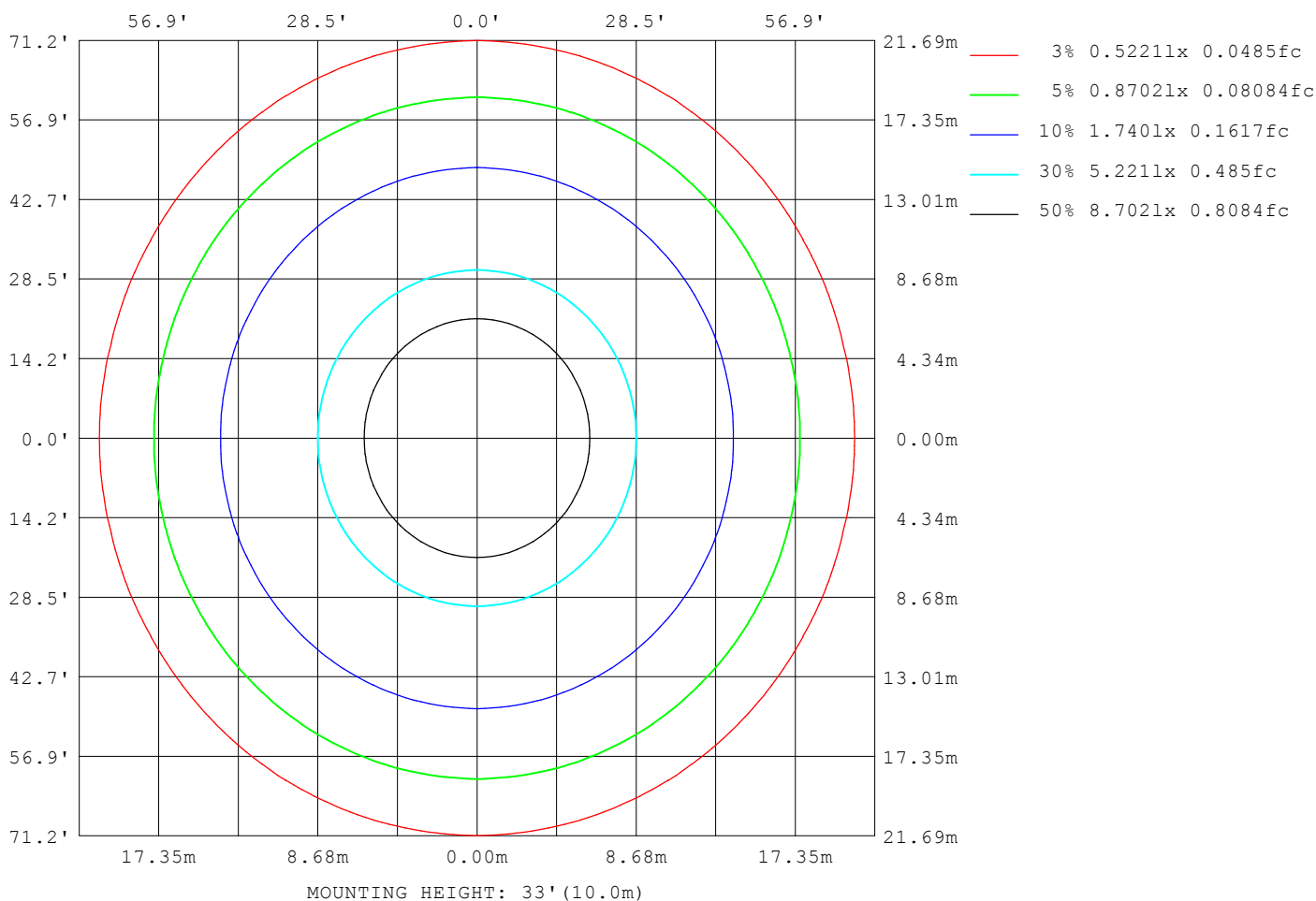
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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%_4000K

ISOLUX DIAGRAM

Test:U:120.09V I:0.3254A P:38.829W PF:0.9935 Freq:60.01Hz Lamp Flux:5096.01x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	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%_4000K

LED Avg.L Report

Test:U:120.09V I:0.3254A P:38.829W PF:0.9935 Freq:60.01Hz Lamp Flux:5096.01x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

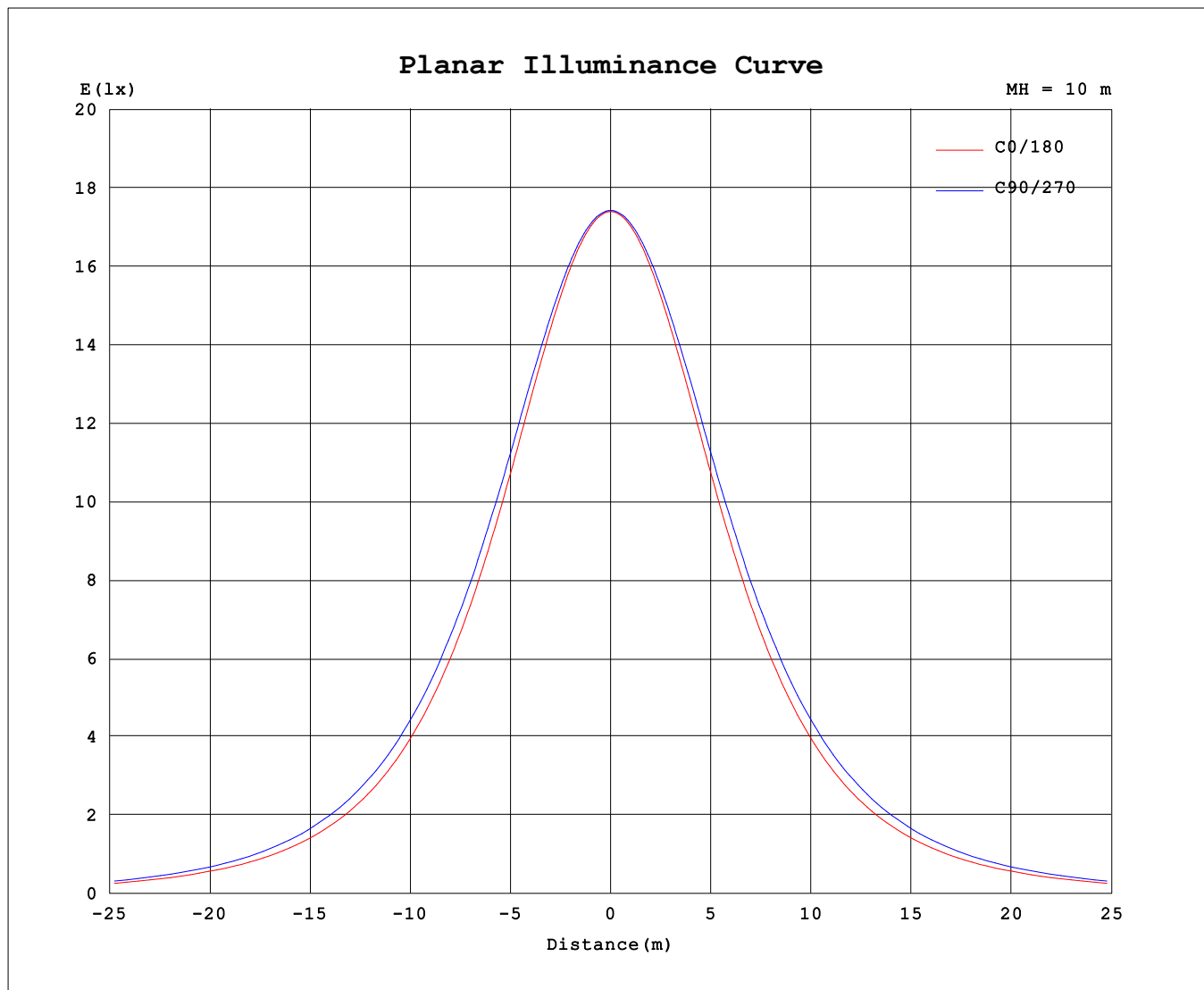
AvgL	cd/m2
L_0~180 (65) av	23915
L_0~180 (75) av	20910
L_0~180 (85) av	15463
L_90~270 (65) av	28831
L_90~270 (75) av	25416
L_90~270 (85) av	15835
L_45 (65) av	26047
L_45 (75) av	22836
L_45 (85) av	15559

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%_4000K

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%_400

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.09V I:0.3254A P:38.829W PF:0.9935 Freq:60.01Hz Lamp Flux:5096.01x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	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	1740	1743	1742	1743	1742	1743	1743	1743	1742	1743	1742	1743	1740	1743	1742	1743	1742	1743	1743
5	1731	1734	1734	1735	1736	1736	1737	1736	1736	1735	1734	1734	1731	1734	1734	1735	1736	1736	1737
10	1704	1707	1709	1712	1715	1718	1718	1718	1715	1712	1709	1707	1704	1707	1709	1712	1715	1718	1718
15	1659	1663	1668	1674	1681	1686	1688	1686	1681	1674	1668	1663	1659	1663	1668	1674	1681	1686	1688
20	1600	1603	1611	1623	1633	1642	1645	1642	1633	1623	1611	1603	1600	1603	1611	1623	1633	1642	1645
25	1525	1530	1541	1557	1576	1588	1591	1588	1576	1557	1541	1530	1525	1530	1541	1557	1576	1588	1591
30	1438	1443	1458	1481	1501	1517	1525	1517	1501	1481	1458	1443	1438	1443	1458	1481	1501	1517	1525
35	1339	1346	1364	1390	1417	1437	1444	1437	1417	1390	1364	1346	1339	1346	1364	1390	1417	1437	1444
40	1233	1239	1260	1289	1320	1348	1356	1348	1320	1289	1260	1239	1233	1239	1260	1289	1320	1348	1356
45	1118	1126	1147	1179	1214	1240	1252	1240	1214	1179	1147	1126	1118	1126	1147	1179	1214	1240	1252
50	997	1004	1026	1059	1095	1124	1136	1124	1095	1059	1026	1004	997	1004	1026	1059	1095	1124	1136
55	868	876	899	931	967	996	1009	996	967	931	899	876	868	876	899	931	967	996	1009
60	733	739	762	795	830	859	868	859	830	795	762	739	733	739	762	795	830	859	868
65	597	603	620	650	682	707	719	707	682	650	620	603	597	603	620	650	682	707	719
70	456	460	476	500	527	548	555	548	527	500	476	460	456	460	476	500	527	548	555
75	320	322	333	349	368	384	388	384	368	349	333	322	320	322	333	349	368	384	388
80	190	191	196	205	215	223	224	223	215	205	196	191	190	191	196	205	215	223	224
85	79.6	76.9	79.2	80.1	82.1	82.3	81.5	82.3	82.1	80.1	79.2	76.9	79.6	76.9	79.2	80.1	82.1	82.3	81.5
90	15.1	11.7	11.4	9.49	9.15	7.43	6.64	7.43	9.15	9.49	11.4	11.7	15.1	11.7	11.4	9.49	9.15	7.43	6.64
95	0.32	0.32	0.30	0.30	0.32	0.34	0.35	0.34	0.32	0.30	0.30	0.32	0.32	0.32	0.30	0.30	0.32	0.34	0.35
100	0.44	0.45	0.42	0.42	0.40	0.38	0.37	0.38	0.40	0.42	0.42	0.45	0.44	0.45	0.42	0.42	0.40	0.38	0.37
105	0.55	0.57	0.55	0.54	0.53	0.51	0.49	0.51	0.53	0.54	0.55	0.57	0.55	0.57	0.55	0.54	0.53	0.51	0.49
110	0.65	0.68	0.65	0.64	0.63	0.60	0.59	0.60	0.63	0.64	0.65	0.68	0.65	0.68	0.65	0.64	0.63	0.60	0.59
115	0.78	0.80	0.77	0.76	0.75	0.73	0.71	0.73	0.75	0.76	0.77	0.80	0.78	0.80	0.77	0.76	0.75	0.73	0.71
120	0.90	0.94	0.90	0.88	0.86	0.82	0.82	0.82	0.86	0.88	0.90	0.94	0.90	0.94	0.90	0.88	0.86	0.82	0.82
125	1.06	1.08	1.03	1.00	0.98	0.97	0.97	0.97	0.98	1.00	1.03	1.08	1.06	1.08	1.03	1.00	0.98	0.97	0.97
130	1.34	1.35	1.29	1.25	1.22	1.23	1.22	1.23	1.22	1.25	1.29	1.35	1.34	1.35	1.29	1.25	1.22	1.23	1.22
135	1.67	1.67	1.59	1.55	1.52	1.53	1.51	1.53	1.52	1.55	1.59	1.67	1.67	1.67	1.59	1.55	1.52	1.53	1.51
140	2.09	2.09	2.02	1.98	1.96	1.95	1.92	1.95	1.96	1.98	2.02	2.09	2.09	2.09	2.02	1.98	1.96	1.95	1.92
145	2.56	2.54	2.48	2.42	2.41	2.40	2.35	2.40	2.41	2.42	2.48	2.54	2.56	2.54	2.48	2.42	2.41	2.40	2.35
150	3.00	2.97	2.92	2.81	2.73	2.72	2.74	2.72	2.73	2.81	2.92	2.97	3.00	2.97	2.92	2.81	2.73	2.72	2.74
155	3.28	3.24	3.16	3.07	2.97	2.98	3.00	2.98	2.97	3.07	3.16	3.24	3.28	3.24	3.16	3.07	2.97	2.98	3.00
160	3.37	3.36	3.25	3.17	3.08	3.10	3.10	3.10	3.08	3.17	3.25	3.36	3.37	3.36	3.25	3.17	3.08	3.10	3.10
165	3.36	3.35	3.25	3.15	3.12	3.13	3.11	3.13	3.12	3.15	3.25	3.35	3.36	3.35	3.25	3.15	3.12	3.13	3.11
170	3.33	3.35	3.27	3.19	3.16	3.14	3.13	3.14	3.16	3.19	3.27	3.35	3.33	3.35	3.27	3.19	3.16	3.14	3.13
175	3.34	3.38	3.31	3.24	3.19	3.16	3.15	3.16	3.19	3.24	3.31	3.38	3.34	3.38	3.31	3.24	3.19	3.16	3.15
180	3.49	3.43	3.33	3.26	3.22	3.19	3.17	3.19	3.22	3.26	3.33	3.43	3.49	3.43	3.33	3.26	3.22	3.19	3.17

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%_4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.09V I:0.3254A P:38.829W PF:0.9935 Freq:60.01Hz Lamp Flux:5096.01x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	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	1743	1742	1743	1742	1743													
5	1736	1736	1735	1734	1734													
10	1718	1715	1712	1709	1707													
15	1686	1681	1674	1668	1663													
20	1642	1633	1623	1611	1603													
25	1588	1576	1557	1541	1530													
30	1517	1501	1481	1458	1443													
35	1437	1417	1390	1364	1346													
40	1348	1320	1289	1260	1239													
45	1240	1214	1179	1147	1126													
50	1124	1095	1059	1026	1004													
55	996	967	931	899	876													
60	859	830	795	762	739													
65	707	682	650	620	603													
70	548	527	500	476	460													
75	384	368	349	333	322													
80	223	215	205	196	191													
85	82.3	82.1	80.1	79.2	76.9													
90	7.43	9.15	9.49	11.4	11.7													
95	0.34	0.32	0.30	0.30	0.32													
100	0.38	0.40	0.42	0.42	0.45													
105	0.51	0.53	0.54	0.55	0.57													
110	0.60	0.63	0.64	0.65	0.68													
115	0.73	0.75	0.76	0.77	0.80													
120	0.82	0.86	0.88	0.90	0.94													
125	0.97	0.98	1.00	1.03	1.08													
130	1.23	1.22	1.25	1.29	1.35													
135	1.53	1.52	1.55	1.59	1.67													
140	1.95	1.96	1.98	2.02	2.09													
145	2.40	2.41	2.42	2.48	2.54													
150	2.72	2.73	2.81	2.92	2.97													
155	2.98	2.97	3.07	3.16	3.24													
160	3.10	3.08	3.17	3.25	3.36													
165	3.13	3.12	3.15	3.25	3.35													
170	3.14	3.16	3.19	3.27	3.35													
175	3.16	3.19	3.24	3.31	3.38													
180	3.19	3.22	3.26	3.33	3.43													

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%_4000K