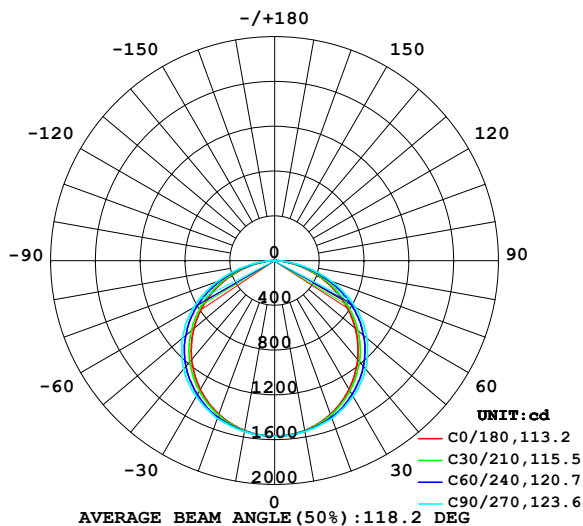


LUMINAIRE PHOTOMETRIC TEST REPORT

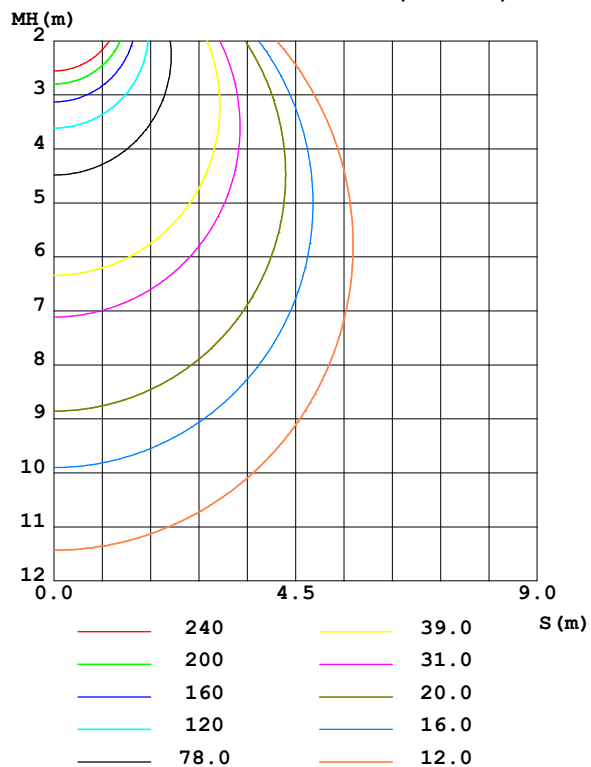
Test:U:119.95V I:0.3410A P:40.646W PF:0.9937 Freq:60.01Hz Lamp Flux:4760.02x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.11 lm/W			
MODEL		Imax (cd)	1568	S/MH(C0/180)	1.26
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.33
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4760.0	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	4760.02	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)	119.948	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: 25.7°C
Operators: Alan Wang
Test Date: 2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 42.4%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

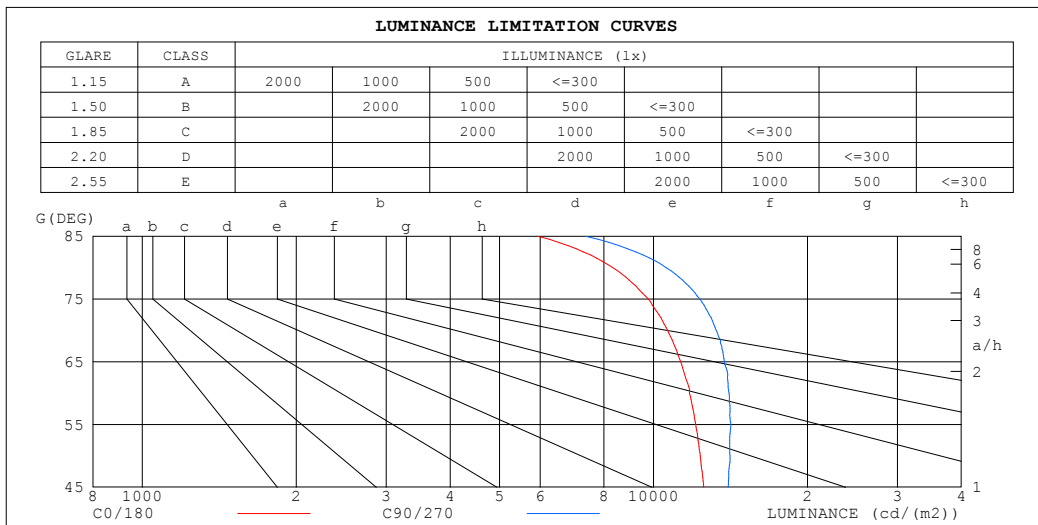
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1541	1545	1550	1545	1541	1545	1550	1545	0- 10	148.6	148.6	3.12,3.12
20	1460	1477	1500	1477	1460	1477	1500	1477	10- 20	428.5	577.1	12.1,12.1
30	1328	1368	1401	1368	1328	1368	1401	1368	20- 30	658.0	1235	25.9,25.9
40	1154	1205	1264	1205	1154	1205	1264	1205	30- 40	807.9	2043	42.9,42.9
50	941.7	1005	1077	1005	941.7	1005	1077	1005	40- 50	857.4	2900	60.9,60.9
60	697.8	758.0	834.2	758.0	697.8	758.0	834.2	758.0	50- 60	793.8	3694	77.6,77.6
70	432.2	478.4	538.6	478.4	432.2	478.4	538.6	478.4	60- 70	617.8	4312	90.6,90.6
80	171.6	191.2	218.1	191.2	171.6	191.2	218.1	191.2	70- 80	354.2	4666	98,98
90	3.938	2.953	2.645	2.953	3.938	2.953	2.645	2.953	80- 90	84.86	4751	99.8,99.8
100	0.8068	0.6816	0.3511	0.6816	0.8068	0.6816	0.3511	0.6816	90-100	0.7682	4752	99.8,99.8
110	0.9842	0.9403	0.5514	0.9403	0.9842	0.9403	0.5514	0.9403	100-110	0.7962	4753	99.8,99.8
120	1.242	1.163	0.7373	1.163	1.242	1.163	0.7373	1.163	110-120	0.9709	4754	99.9,99.9
130	1.581	1.466	1.107	1.466	1.581	1.466	1.107	1.466	120-130	1.101	4755	99.9,99.9
140	2.254	2.089	1.729	2.089	2.254	2.089	1.729	2.089	130-140	1.320	4756	99.9,99.9
150	3.062	2.764	2.427	2.764	3.062	2.764	2.427	2.764	140-150	1.500	4758	99.9,99.9
160	3.285	2.905	2.732	2.905	3.285	2.905	2.732	2.905	150-160	1.341	4759	100,100
170	3.106	2.909	2.816	2.909	3.106	2.909	2.816	2.909	160-170	0.8344	4760	100,100
180	3.195	2.960	2.857	2.960	3.195	2.960	2.857	2.960	170-180	0.2811	4760	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700:

LUMINANCE LIMITATION CURVES

Test:U:119.95V I:0.3410A P:40.646W PF:0.9937 Freq:60.01Hz Lamp Flux:4760.02x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	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	5930	7370
80	8327	10581
75	9764	12316
70	10646	13266
65	11295	13757
60	11758	14056
55	12091	14166
50	12342	14111
45	12533	13993

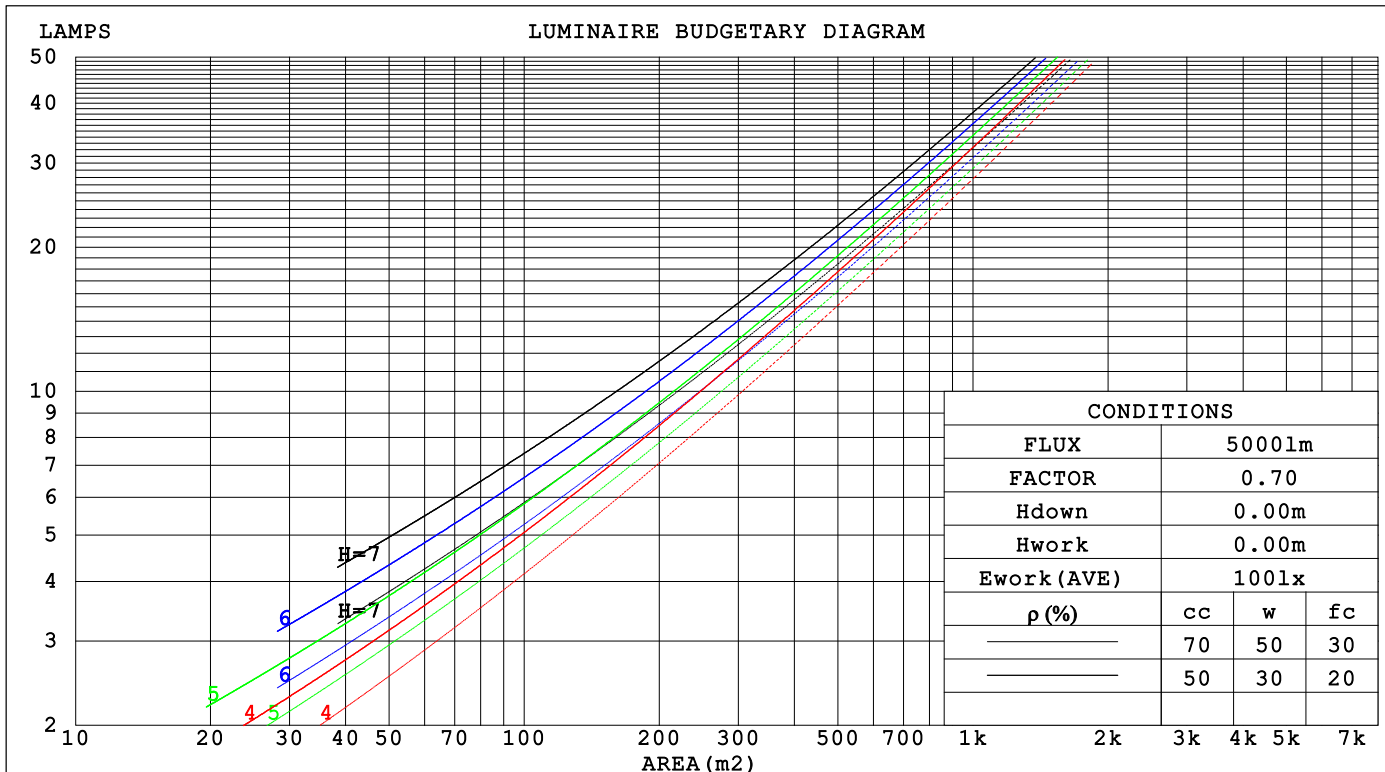
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.95V I:0.3410A P:40.646W PF:0.9937 Freq:60.01Hz Lamp Flux:4760.02x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	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:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

WEC AND CCEC

Test:U:119.95V I:0.3410A P:40.646W PF:0.9937 Freq:60.01Hz Lamp Flux:4760.02x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	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	.293	.168	.054	.281	.162	.052	.270	.156	.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	.117	.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	.197	.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	.081	.023	.158	.080	.023		
10.0	.165	.079	.022	.163	.078	.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	.051	.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	.118	.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	.026	.108	.057	.023	.075	.040	.016	.043	.024	.010	.014	.008	.003		
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.009	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

UGR(Unified Glare Rating) Table

Test:U:119.95V I:0.3410A P:40.646W PF:0.9937 Freq:60.01Hz Lamp Flux:4760.02x1 lm										
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K					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	21.5	23.0	21.8	23.2	23.5	22.3	23.8	22.6	24.0	24.2
3H	23.0	24.4	23.3	24.6	24.9	24.0	25.4	24.3	25.6	25.9
4H	23.6	24.9	23.9	25.2	25.4	24.6	26.0	25.0	26.3	26.5
6H	23.9	25.2	24.3	25.5	25.8	25.1	26.4	25.4	26.7	26.9
8H	24.0	25.3	24.4	25.6	25.9	25.2	26.5	25.6	26.7	27.0
12H	24.1	25.3	24.4	25.6	25.9	25.3	26.5	25.6	26.8	27.1
4H 2H	22.2	23.6	22.5	23.8	24.1	22.8	24.2	23.1	24.4	24.7
3H	23.9	25.1	24.2	25.4	25.7	24.7	25.9	25.1	26.2	26.5
4H	24.6	25.6	24.9	26.0	26.3	25.5	26.6	25.9	26.9	27.3
6H	25.0	26.0	25.5	26.4	26.7	26.1	27.0	26.5	27.4	27.8
8H	25.2	26.1	25.6	26.5	26.9	26.3	27.2	26.7	27.5	27.9
12H	25.3	26.1	25.7	26.5	26.9	26.3	27.2	26.8	27.6	28.0
8H 4H	24.9	25.8	25.3	26.2	26.5	25.7	26.6	26.1	27.0	27.4
6H	25.5	26.3	26.0	26.7	27.1	26.4	27.2	26.9	27.6	28.0
8H	25.7	26.4	26.2	26.8	27.3	26.7	27.3	27.1	27.8	28.2
12H	25.8	26.4	26.3	26.9	27.3	26.8	27.4	27.3	27.8	28.3
12H 4H	24.9	25.7	25.3	26.1	26.5	25.7	26.5	26.1	26.9	27.3
6H	25.6	26.2	26.0	26.7	27.1	26.5	27.1	26.9	27.6	28.0
8H	25.8	26.4	26.3	26.8	27.3	26.7	27.3	27.2	27.8	28.2
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, 4760 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 5.4$)
Area: 0.118701 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

UTILIZATION FACTORS TABLE

Test:U:119.95V I:0.3410A P:40.646W PF:0.9937 Freq:60.01Hz Lamp Flux:4760.02x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

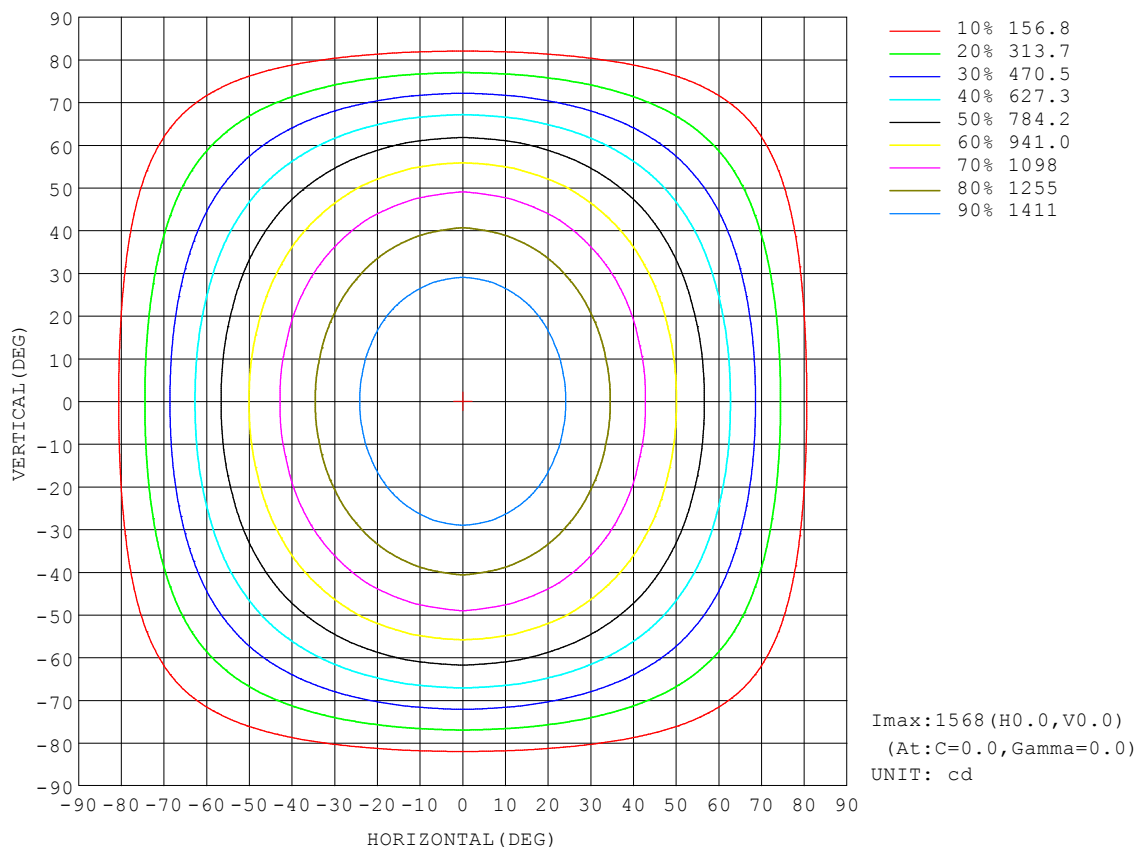
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	37	31
0.80	67	55	47	66	54	47	64	54	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	69	61
2.00	94	86	79	93	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	82	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	104	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: 25.7°C
Operators: Alan Wang
Test Date: 2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 42.4%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

ISOCANDELA DIAGRAM

Test:U:119.95V I:0.3410A P:40.646W PF:0.9937 Freq:60.01Hz Lamp Flux:4760.02x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

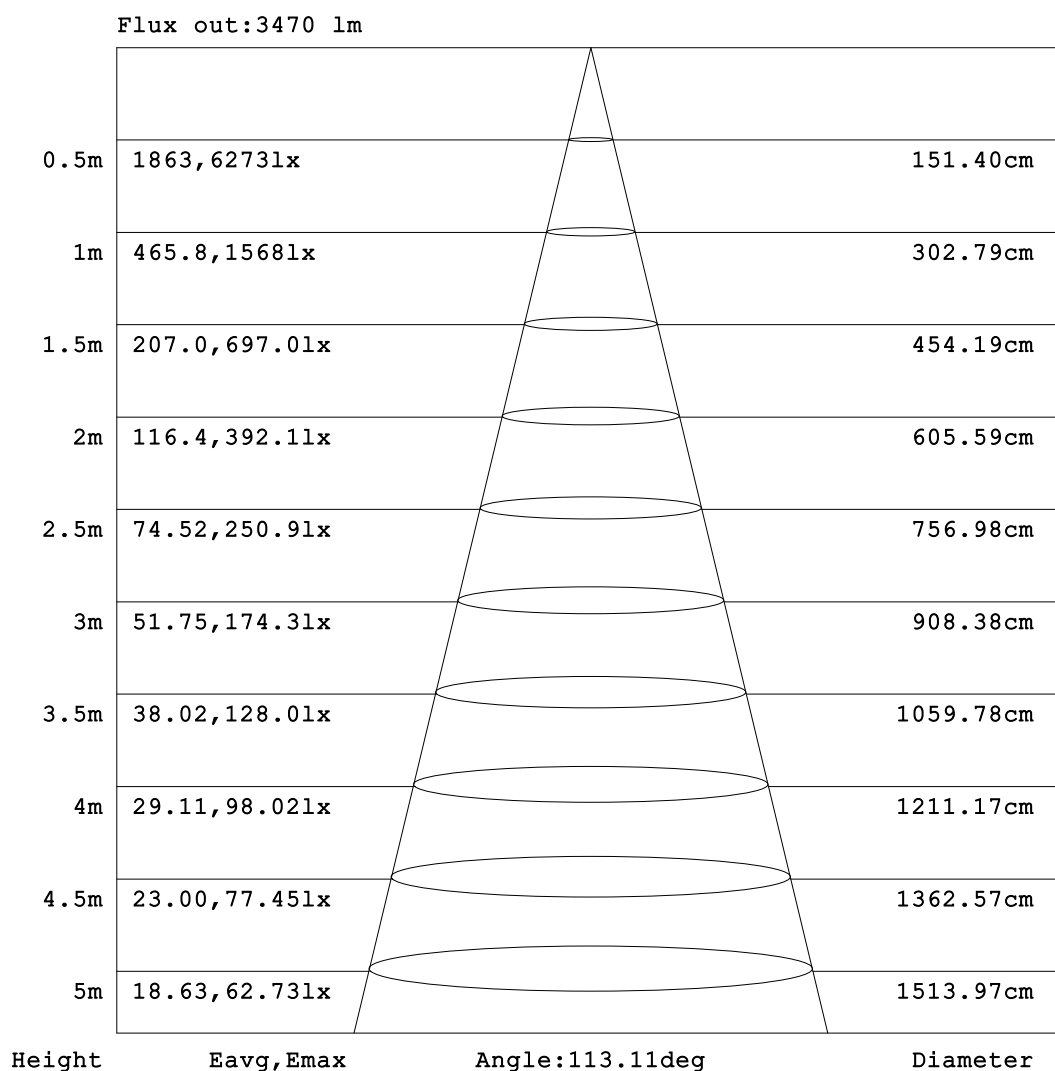


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

AAI Figure

Test:U:119.95V I:0.3410A P:40.646W PF:0.9937 Freq:60.01Hz Lamp Flux:4760.02x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



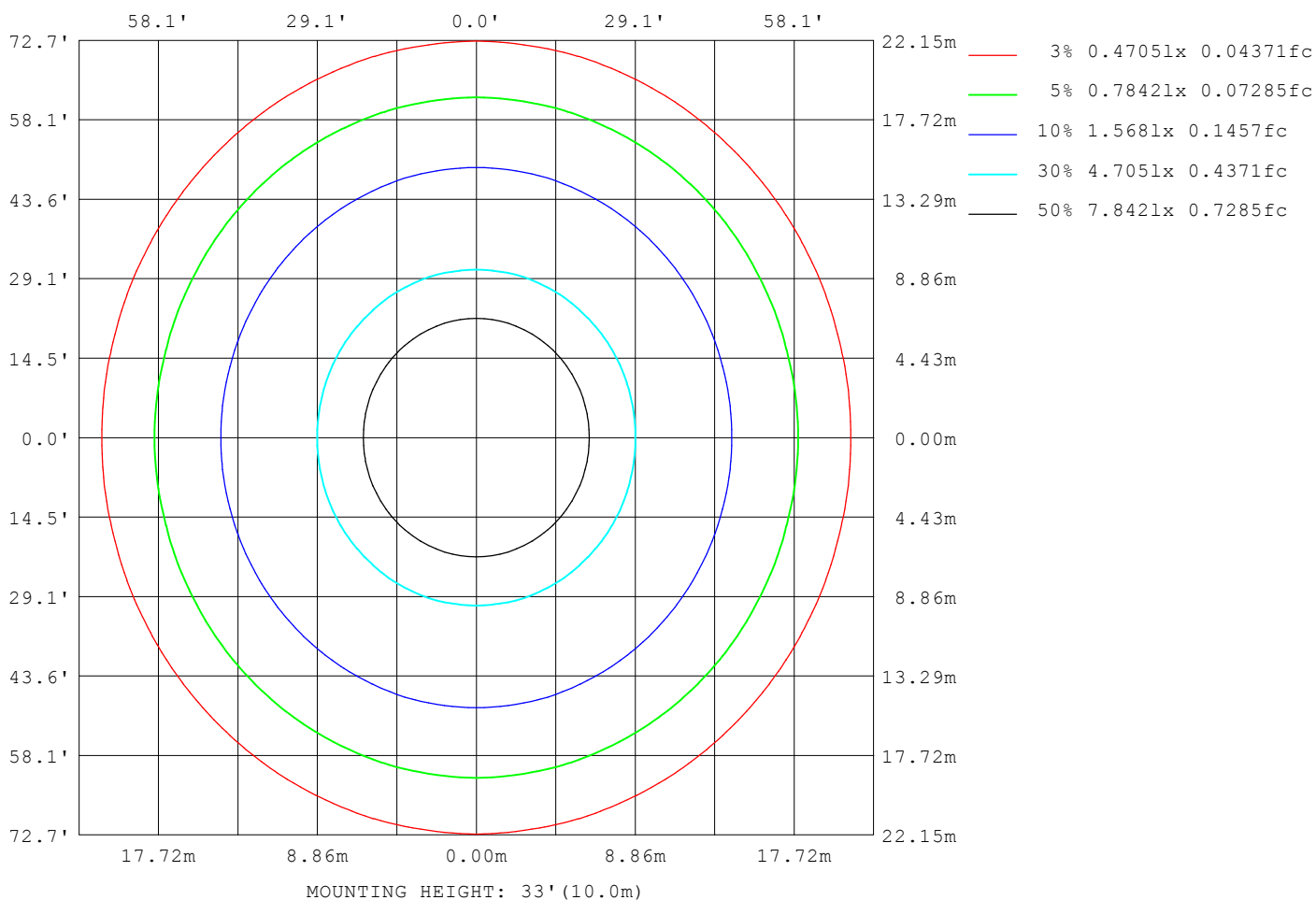
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

ISOLUX DIAGRAM

Test:U:119.95V I:0.3410A P:40.646W PF:0.9937 Freq:60.01Hz Lamp Flux:4760.02x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	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:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

LED Avg.L Report

Test:U:119.95V I:0.3410A P:40.646W PF:0.9937 Freq:60.01Hz Lamp Flux:4760.02x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

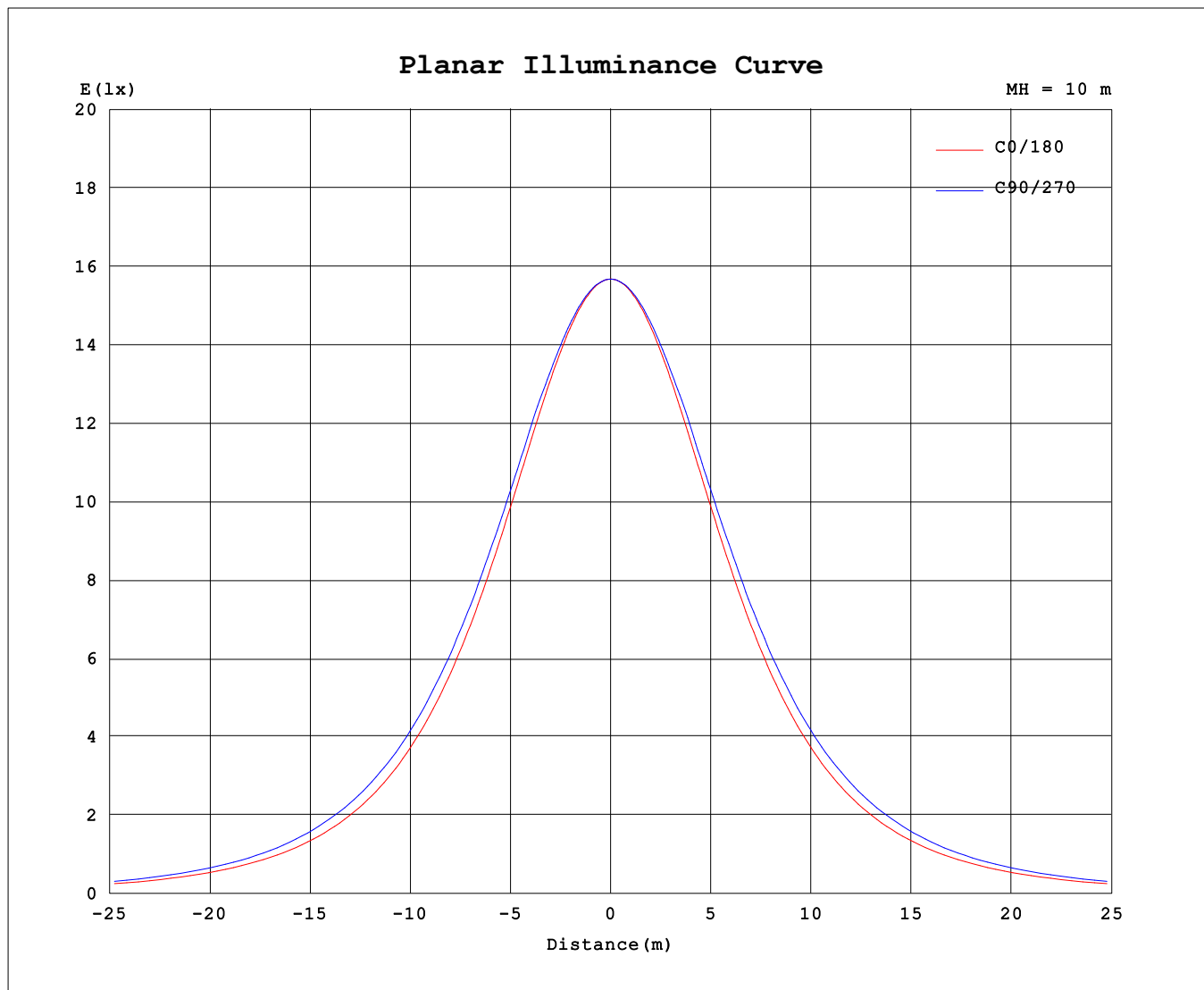
AvgL	cd/m2
L_0~180 (65) av	11295
L_0~180 (75) av	9764
L_0~180 (85) av	5930
L_90~270 (65) av	13757
L_90~270 (75) av	12316
L_90~270 (85) av	7370
L_45 (65) av	12385
L_45 (75) av	10829
L_45 (85) av	6574

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.7°C
Operators: Alan Wang
Test Date: 2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 42.4%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.95V I:0.3410A P:40.646W PF:0.9937 Freq:60.01Hz Lamp Flux:4760.02x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	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	1568	1568	1568	1568	1568	1568	1568	1568	1568	1568	1568	1568	1568	1568	1568	1568	1568	1568	1568
5	1561	1561	1562	1562	1563	1563	1563	1563	1563	1562	1562	1561	1561	1561	1562	1562	1563	1563	1563
10	1541	1541	1543	1545	1548	1549	1550	1549	1548	1545	1543	1541	1541	1541	1543	1545	1548	1549	1550
15	1507	1508	1512	1517	1522	1526	1527	1526	1522	1517	1512	1508	1507	1508	1512	1517	1522	1526	1527
20	1460	1462	1468	1477	1487	1497	1500	1497	1487	1477	1468	1462	1460	1462	1468	1477	1487	1497	1500
25	1400	1403	1413	1426	1442	1450	1453	1450	1442	1426	1413	1403	1400	1403	1413	1426	1442	1450	1453
30	1328	1333	1346	1368	1382	1395	1401	1395	1382	1368	1346	1333	1328	1333	1346	1368	1382	1395	1401
35	1246	1252	1267	1290	1313	1331	1337	1331	1313	1290	1267	1252	1246	1252	1267	1290	1313	1331	1337
40	1154	1160	1179	1205	1233	1254	1264	1254	1233	1205	1179	1160	1154	1160	1179	1205	1233	1254	1264
45	1052	1059	1082	1110	1141	1165	1174	1165	1141	1110	1082	1059	1052	1059	1082	1110	1141	1165	1174
50	942	949	971	1005	1036	1067	1077	1067	1036	1005	971	949	942	949	971	1005	1036	1067	1077
55	823	831	853	886	924	950	964	950	924	886	853	831	823	831	853	886	924	950	964
60	698	705	728	758	793	822	834	822	793	758	728	705	698	705	728	758	793	822	834
65	567	573	594	621	654	680	690	680	654	621	594	573	567	573	594	621	654	680	690
70	432	438	454	478	507	529	539	529	507	478	454	438	432	438	454	478	507	529	539
75	300	302	314	333	353	371	378	371	353	333	314	302	300	302	314	333	353	371	378
80	172	174	181	191	203	214	218	214	203	191	174	172	174	181	191	203	214	218	214
85	61.3	61.8	64.1	68.0	71.9	75.1	76.2	75.1	71.9	68.0	64.1	61.8	61.3	61.8	64.1	68.0	71.9	75.1	76.2
90	3.94	2.89	2.71	2.95	2.72	3.25	2.65	3.25	2.72	2.95	2.71	2.89	3.94	2.89	2.71	2.95	2.72	3.25	2.65
95	0.65	0.64	0.60	0.55	0.44	0.25	0.22	0.25	0.44	0.55	0.60	0.64	0.65	0.64	0.60	0.55	0.44	0.25	0.22
100	0.81	0.78	0.75	0.68	0.61	0.41	0.35	0.41	0.61	0.68	0.75	0.78	0.81	0.78	0.75	0.68	0.61	0.41	0.35
105	0.90	0.87	0.86	0.83	0.74	0.54	0.46	0.54	0.74	0.83	0.86	0.87	0.90	0.87	0.86	0.83	0.74	0.54	0.46
110	0.98	1.01	0.98	0.94	0.85	0.64	0.55	0.64	0.85	0.94	0.98	1.01	0.98	0.98	0.94	0.85	0.64	0.55	0.64
115	1.13	1.13	1.10	1.06	0.97	0.76	0.63	0.76	0.97	1.06	1.10	1.13	1.13	1.13	1.10	1.06	0.97	0.76	0.63
120	1.24	1.25	1.22	1.16	1.06	0.86	0.74	0.86	1.06	1.16	1.22	1.25	1.24	1.25	1.22	1.16	1.06	0.86	0.74
125	1.35	1.38	1.34	1.26	1.16	1.02	0.88	1.02	1.16	1.26	1.34	1.38	1.35	1.38	1.34	1.26	1.16	1.02	0.88
130	1.58	1.63	1.56	1.47	1.40	1.21	1.11	1.21	1.40	1.47	1.56	1.63	1.58	1.63	1.56	1.47	1.40	1.21	1.11
135	1.87	1.90	1.80	1.73	1.65	1.46	1.38	1.46	1.65	1.73	1.80	1.90	1.87	1.90	1.80	1.73	1.65	1.46	1.38
140	2.25	2.26	2.16	2.09	1.98	1.78	1.73	1.78	1.98	2.09	2.16	2.26	2.25	2.26	2.16	2.09	1.98	1.78	1.73
145	2.67	2.65	2.63	2.46	2.29	2.15	2.09	2.15	2.29	2.46	2.63	2.65	2.67	2.65	2.63	2.46	2.29	2.15	2.09
150	3.06	3.00	2.92	2.76	2.55	2.45	2.43	2.45	2.55	2.76	2.92	3.00	3.06	3.00	2.92	2.76	2.55	2.45	2.43
155	3.27	3.19	3.08	2.94	2.71	2.67	2.64	2.67	2.71	2.94	3.08	3.19	3.27	3.19	3.08	2.94	2.71	2.67	2.64
160	3.29	3.22	3.08	2.90	2.80	2.75	2.73	2.75	2.80	2.90	3.08	3.22	3.29	3.22	3.08	2.90	2.80	2.75	2.73
165	3.18	3.13	2.99	2.88	2.81	2.78	2.77	2.78	2.81	2.88	2.99	3.13	3.18	3.13	2.99	2.88	2.81	2.78	2.77
170	3.11	3.09	2.99	2.91	2.85	2.82	2.82	2.82	2.85	2.91	2.99	3.09	3.11	3.09	2.99	2.91	2.85	2.82	2.82
175	3.06	3.07	2.99	2.93	2.88	2.84	2.83	2.84	2.88	2.93	2.99	3.07	3.06	3.07	2.99	2.93	2.88	2.84	2.83
180	3.20	3.13	3.02	2.96	2.91	2.87	2.86	2.87	2.91	2.96	3.02	3.13	3.20	3.13	3.02	2.96	2.91	2.87	2.86

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.95V I:0.3410A P:40.646W PF:0.9937 Freq:60.01Hz Lamp Flux:4760.02x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	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	1568	1568	1568	1568	1568													
5	1563	1563	1562	1562	1561													
10	1549	1548	1545	1543	1541													
15	1526	1522	1517	1512	1508													
20	1497	1487	1477	1468	1462													
25	1450	1442	1426	1413	1403													
30	1395	1382	1368	1346	1333													
35	1331	1313	1290	1267	1252													
40	1254	1233	1205	1179	1160													
45	1165	1141	1110	1082	1059													
50	1067	1036	1005	971	949													
55	950	924	886	853	831													
60	822	793	758	728	705													
65	680	654	621	594	573													
70	529	507	478	454	438													
75	371	353	333	314	302													
80	214	203	191	181	174													
85	75.1	71.9	68.0	64.1	61.8													
90	3.25	2.72	2.95	2.71	2.89													
95	0.25	0.44	0.55	0.60	0.64													
100	0.41	0.61	0.68	0.75	0.78													
105	0.54	0.74	0.83	0.86	0.87													
110	0.64	0.85	0.94	0.98	1.01													
115	0.76	0.97	1.06	1.10	1.13													
120	0.86	1.06	1.16	1.22	1.25													
125	1.02	1.16	1.26	1.34	1.38													
130	1.21	1.40	1.47	1.56	1.63													
135	1.46	1.65	1.73	1.80	1.90													
140	1.78	1.98	2.09	2.16	2.26													
145	2.15	2.29	2.46	2.63	2.65													
150	2.45	2.55	2.76	2.92	3.00													
155	2.67	2.71	2.94	3.08	3.19													
160	2.75	2.80	2.90	3.08	3.22													
165	2.78	2.81	2.88	2.99	3.13													
170	2.82	2.85	2.91	2.99	3.09													
175	2.84	2.88	2.93	2.99	3.07													
180	2.87	2.91	2.96	3.02	3.13													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700: