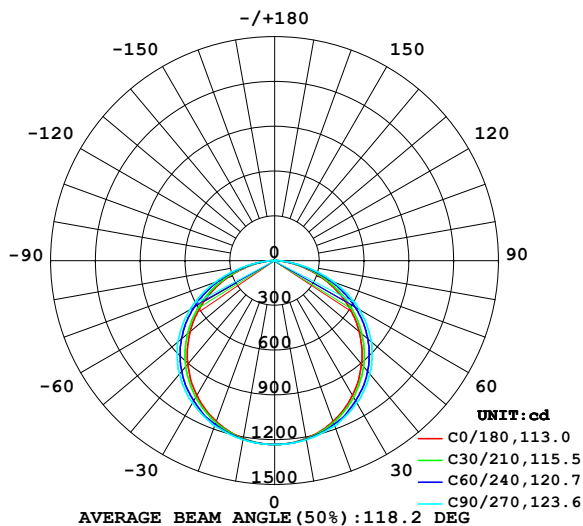


LUMINAIRE PHOTOMETRIC TEST REPORT

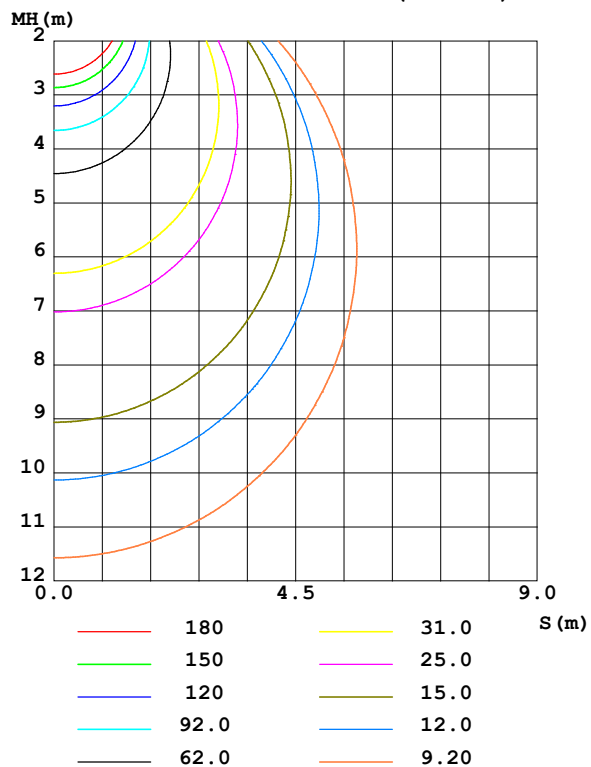
Test:U:119.95V I:0.2483A P:29.568W PF:0.9929 Freq:60.01Hz Lamp Flux:3739.11x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.46 lm/W			
MODEL		I _{max} (cd)	1232	S/MH(C0/180)	1.26
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.33
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3739.1	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	3739.11	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)	119.936	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_60%_3500K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

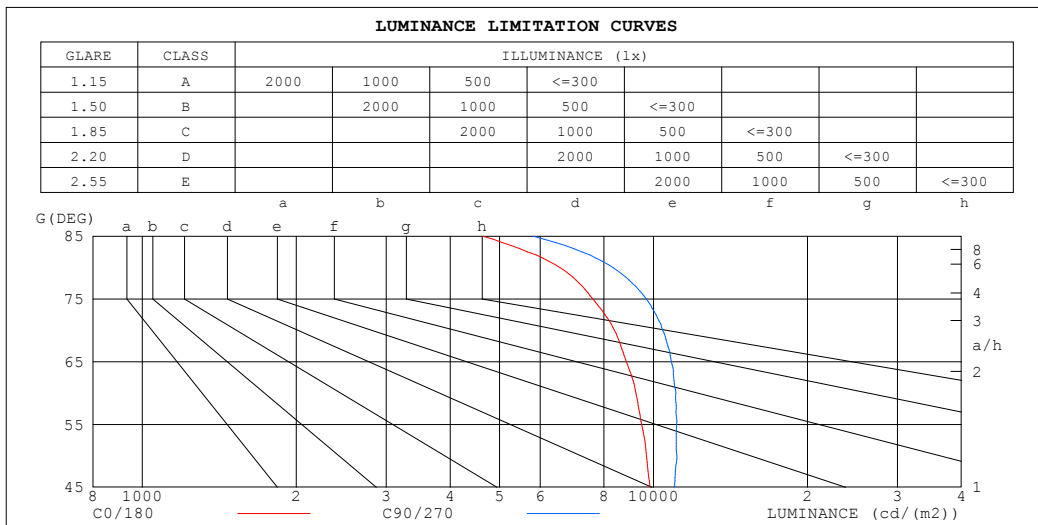
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1210	1214	1218	1214	1210	1214	1218	1214	0- 10	116.7	116.7	3.12,3.12
20	1146	1160	1178	1160	1146	1160	1178	1160	10- 20	336.6	453.3	12.1,12.1
30	1043	1075	1101	1075	1043	1075	1101	1075	20- 30	516.8	970.2	25.9,25.9
40	905.6	946.2	991.5	946.2	905.6	946.2	991.5	946.2	30- 40	634.6	1605	42.9,42.9
50	739.4	789.3	847.6	789.3	739.4	789.3	847.6	789.3	40- 50	673.5	2278	60.9,60.9
60	548.5	595.3	656.2	595.3	548.5	595.3	656.2	595.3	50- 60	623.4	2902	77.6,77.6
70	340.6	376.4	423.5	376.4	340.6	376.4	423.5	376.4	60- 70	485.4	3387	90.6,90.6
80	135.2	150.4	171.8	150.4	135.2	150.4	171.8	150.4	70- 80	278.5	3666	98,98
90	3.013	2.225	2.251	2.225	3.013	2.225	2.251	2.225	80- 90	66.49	3732	99.8,99.8
100	0.6360	0.5350	0.2874	0.5350	0.6360	0.5350	0.2874	0.5350	90-100	0.5471	3733	99.8,99.8
110	0.7779	0.7415	0.4335	0.7415	0.7779	0.7415	0.4335	0.7415	100-110	0.6287	3733	99.8,99.8
120	0.9786	0.9146	0.5801	0.9146	0.9786	0.9146	0.5801	0.9146	110-120	0.7641	3734	99.9,99.9
130	1.248	1.155	0.8776	1.155	1.248	1.155	0.8776	1.155	120-130	0.8672	3735	99.9,99.9
140	1.776	1.646	1.366	1.646	1.776	1.646	1.366	1.646	130-140	1.040	3736	99.9,99.9
150	2.411	2.175	1.910	2.175	2.411	2.175	1.910	2.175	140-150	1.181	3737	99.9,99.9
160	2.585	2.282	2.146	2.282	2.585	2.282	2.146	2.282	150-160	1.054	3738	100,100
170	2.443	2.280	2.204	2.280	2.443	2.280	2.204	2.280	160-170	0.6553	3739	100,100
180	2.514	2.328	2.241	2.328	2.514	2.328	2.241	2.328	170-180	0.2207	3739	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_60%_3500:

LUMINANCE LIMITATION CURVES

Test:U:119.95V I:0.2483A P:29.568W PF:0.9929 Freq:60.01Hz Lamp Flux:3739.11x1 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	4636	5820
80	6561	8336
75	7611	9679
70	8389	10431
65	8850	10835
60	9242	11056
55	9485	11099
50	9691	11109
45	9843	10993

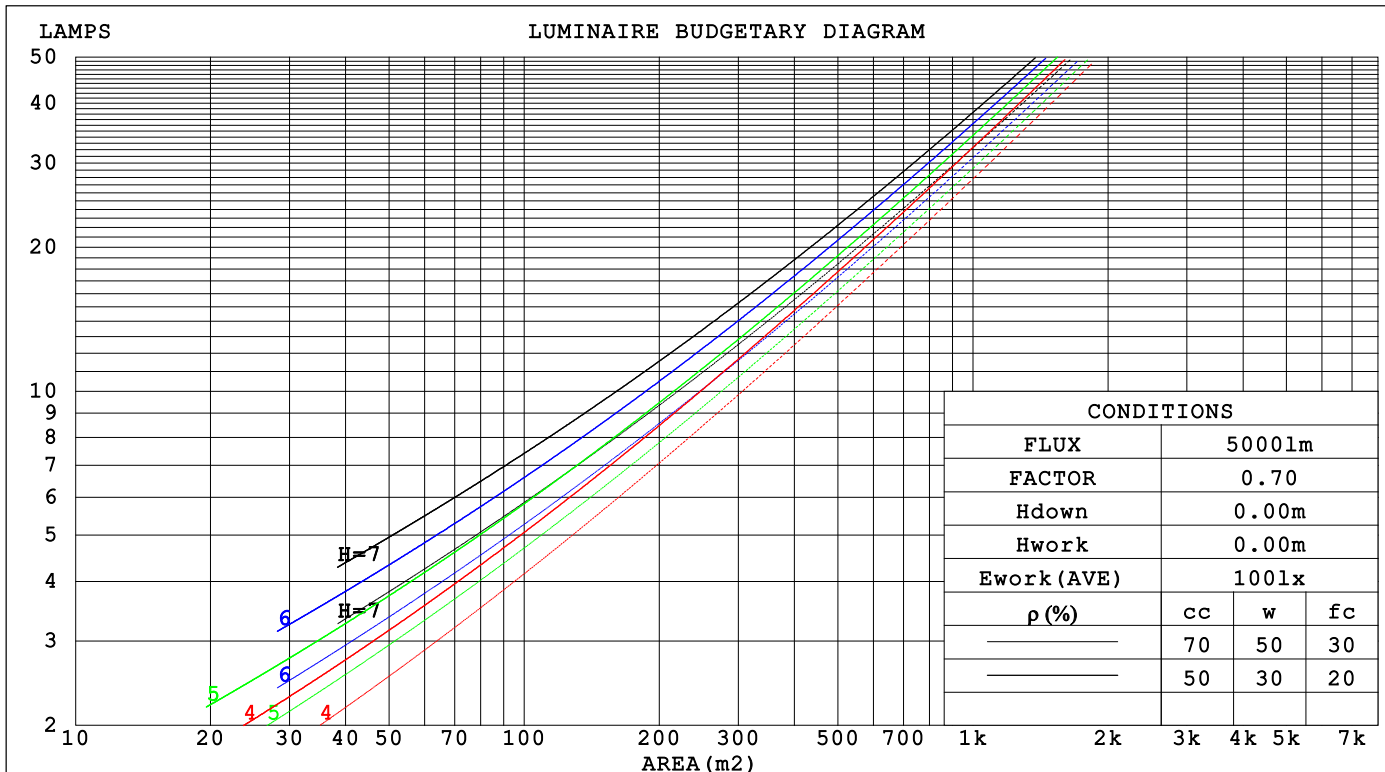
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.7°C
Operators: Alan Wang
Test Date: 2026-04-30

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_60%_3500K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.95V I:0.2483A P:29.568W PF:0.9929 Freq:60.01Hz Lamp Flux:3739.11x1 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:25.7°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_60%_3500K

WEC AND CCEC

Test:U:119.95V I:0.2483A P:29.568W PF:0.9929 Freq:60.01Hz Lamp Flux:3739.11x1 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	.178	.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_60%_3500K

UGR(Unified Glare Rating) Table

Test:U:119.95V I:0.2483A P:29.568W PF:0.9929 Freq:60.01Hz Lamp Flux:3739.11x1 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	20.7	22.2	20.9	22.4	22.6	21.4	23.0	21.7	23.2	23.4
3H	22.1	23.6	22.4	23.8	24.1	23.1	24.6	23.4	24.8	25.1
4H	22.7	24.1	23.0	24.3	24.6	23.8	25.2	24.1	25.4	25.7
6H	23.1	24.4	23.4	24.7	24.9	24.3	25.5	24.6	25.8	26.1
8H	23.2	24.4	23.5	24.7	25.0	24.4	25.6	24.7	25.9	26.2
12H	23.2	24.4	23.6	24.7	25.0	24.4	25.6	24.8	25.9	26.2
4H 2H	21.4	22.7	21.7	23.0	23.3	22.0	23.3	22.3	23.6	23.9
3H	23.0	24.2	23.4	24.5	24.8	23.9	25.1	24.2	25.4	25.7
4H	23.7	24.8	24.1	25.1	25.5	24.7	25.8	25.0	26.1	26.4
6H	24.2	25.2	24.6	25.5	25.9	25.2	26.2	25.6	26.6	26.9
8H	24.4	25.3	24.8	25.6	26.0	25.4	26.3	25.8	26.7	27.1
12H	24.4	25.2	24.9	25.6	26.0	25.5	26.3	25.9	26.7	27.1
8H 4H	24.0	24.9	24.5	25.3	25.7	24.9	25.8	25.3	26.2	26.5
6H	24.7	25.4	25.1	25.8	26.3	25.6	26.3	26.0	26.8	27.2
8H	24.9	25.5	25.3	26.0	26.4	25.8	26.5	26.3	26.9	27.4
12H	25.0	25.6	25.5	26.0	26.5	26.0	26.6	26.5	27.0	27.5
12H 4H	24.1	24.9	24.5	25.3	25.7	24.9	25.7	25.3	26.1	26.5
6H	24.7	25.4	25.2	25.8	26.3	25.6	26.3	26.1	26.7	27.2
8H	25.0	25.5	25.5	26.0	26.5	25.9	26.5	26.4	26.9	27.4
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, 3739 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.6)
Area: 0.118701 m2

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_60%_3500K

UTILIZATION FACTORS TABLE

Test:U:119.95V I:0.2483A P:29.568W PF:0.9929 Freq:60.01Hz Lamp Flux:3739.11x1 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:

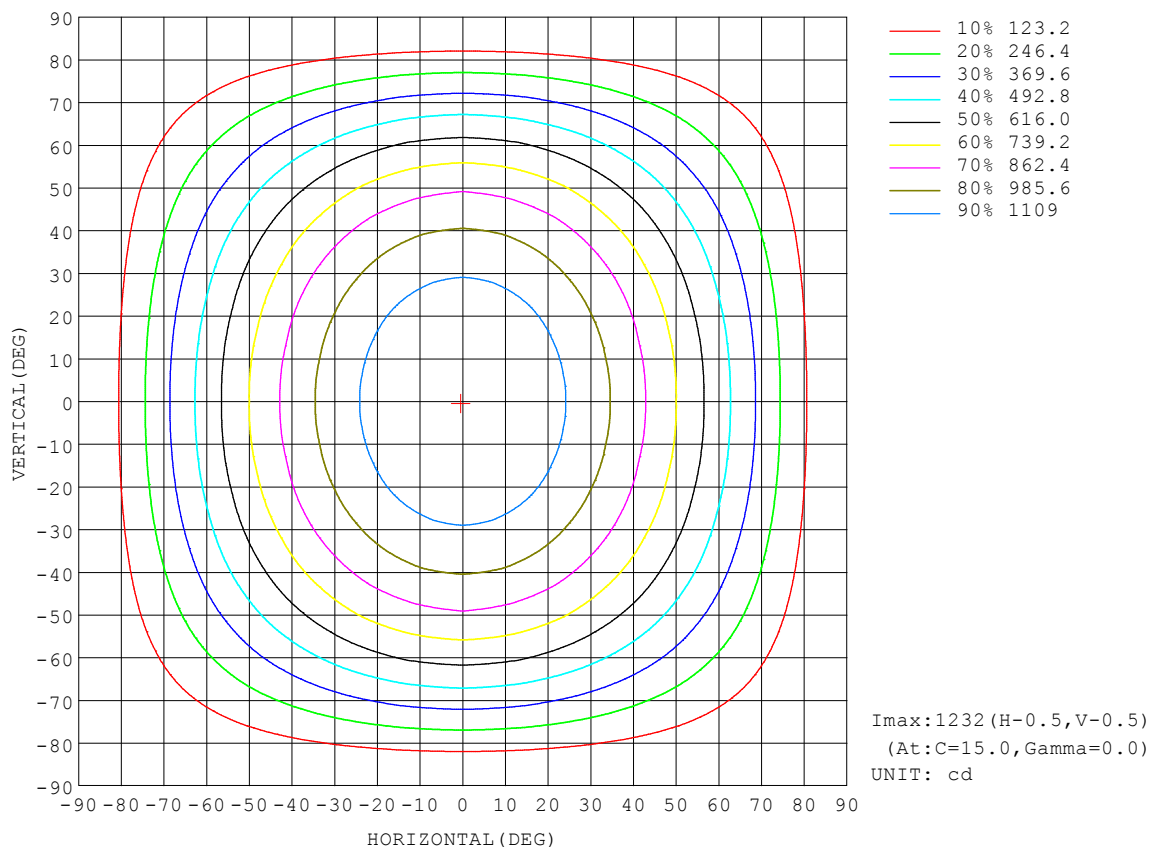
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	37	31
0.80	67	55	47	66	54	47	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_60%_3500K

ISOCANDELA DIAGRAM

Test:U:119.95V I:0.2483A P:29.568W PF:0.9929 Freq:60.01Hz Lamp Flux:3739.11x1 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:

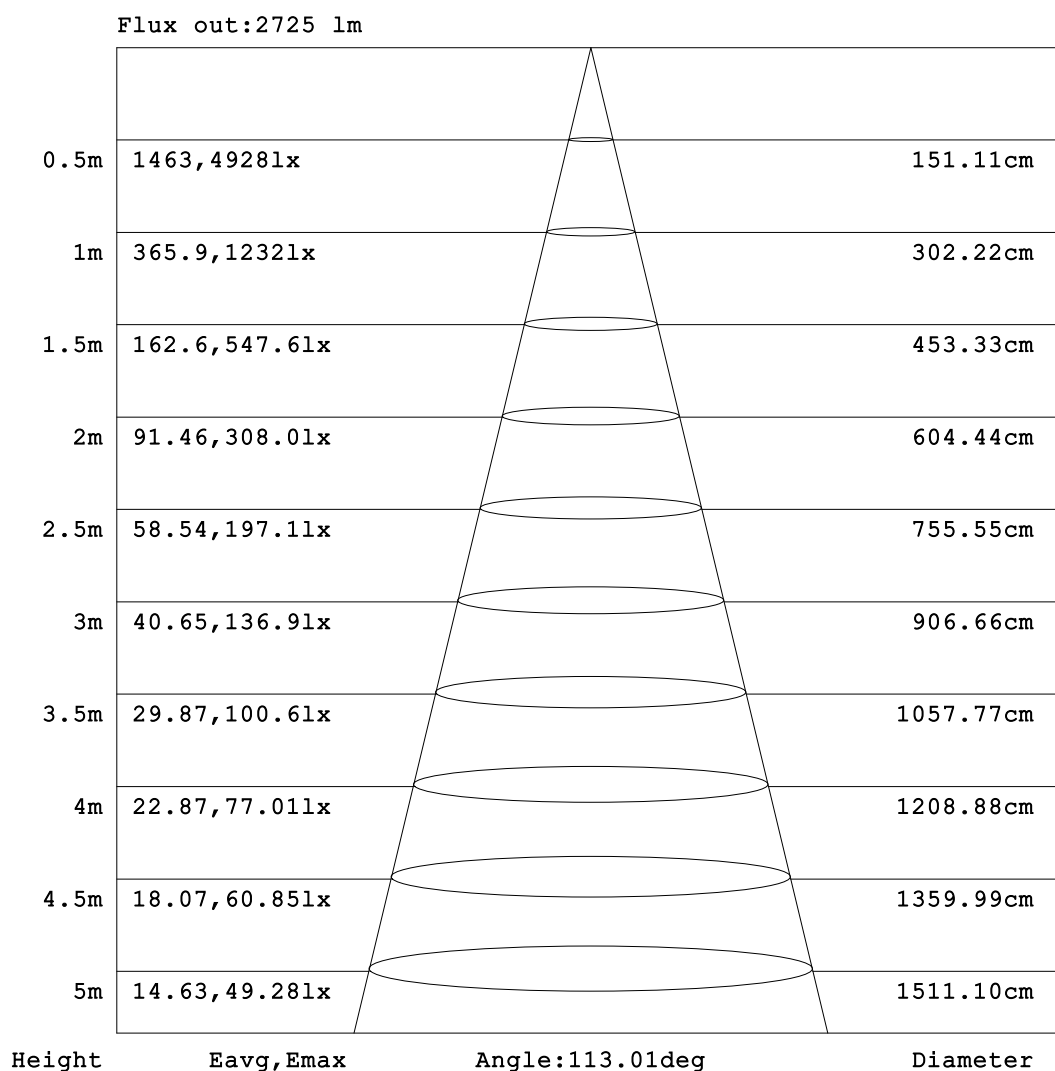


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

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_60%_3500:

AAI Figure

Test:U:119.95V I:0.2483A P:29.568W PF:0.9929 Freq:60.01Hz Lamp Flux:3739.11x1 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:

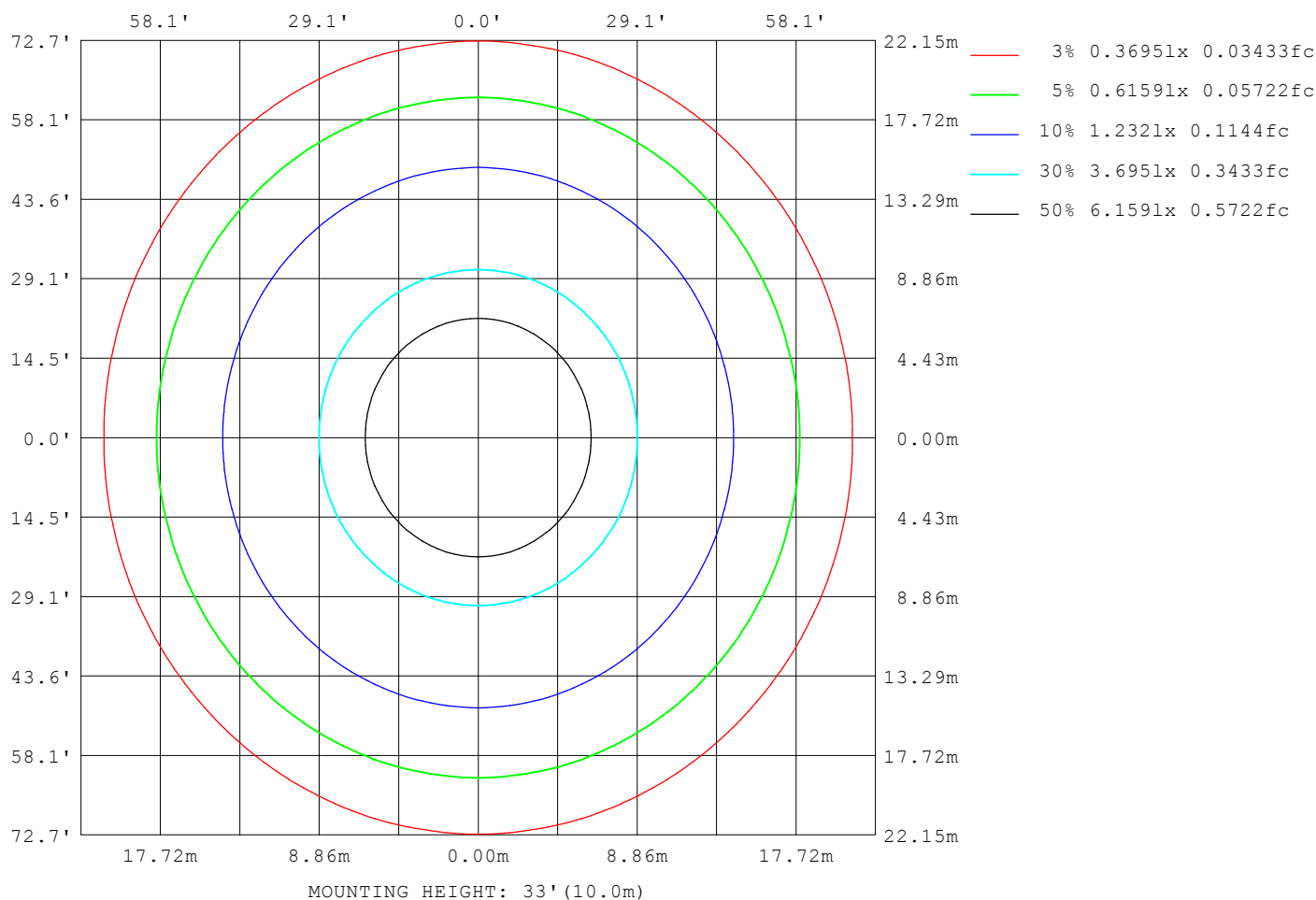


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

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_60%_3500K

ISOLUX DIAGRAM

Test:U:119.95V I:0.2483A P:29.568W PF:0.9929 Freq:60.01Hz Lamp Flux:3739.11x1 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:25.7°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_60%_3500K

LED Avg.L Report

Test:U:119.95V I:0.2483A P:29.568W PF:0.9929 Freq:60.01Hz Lamp Flux:3739.11x1 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:

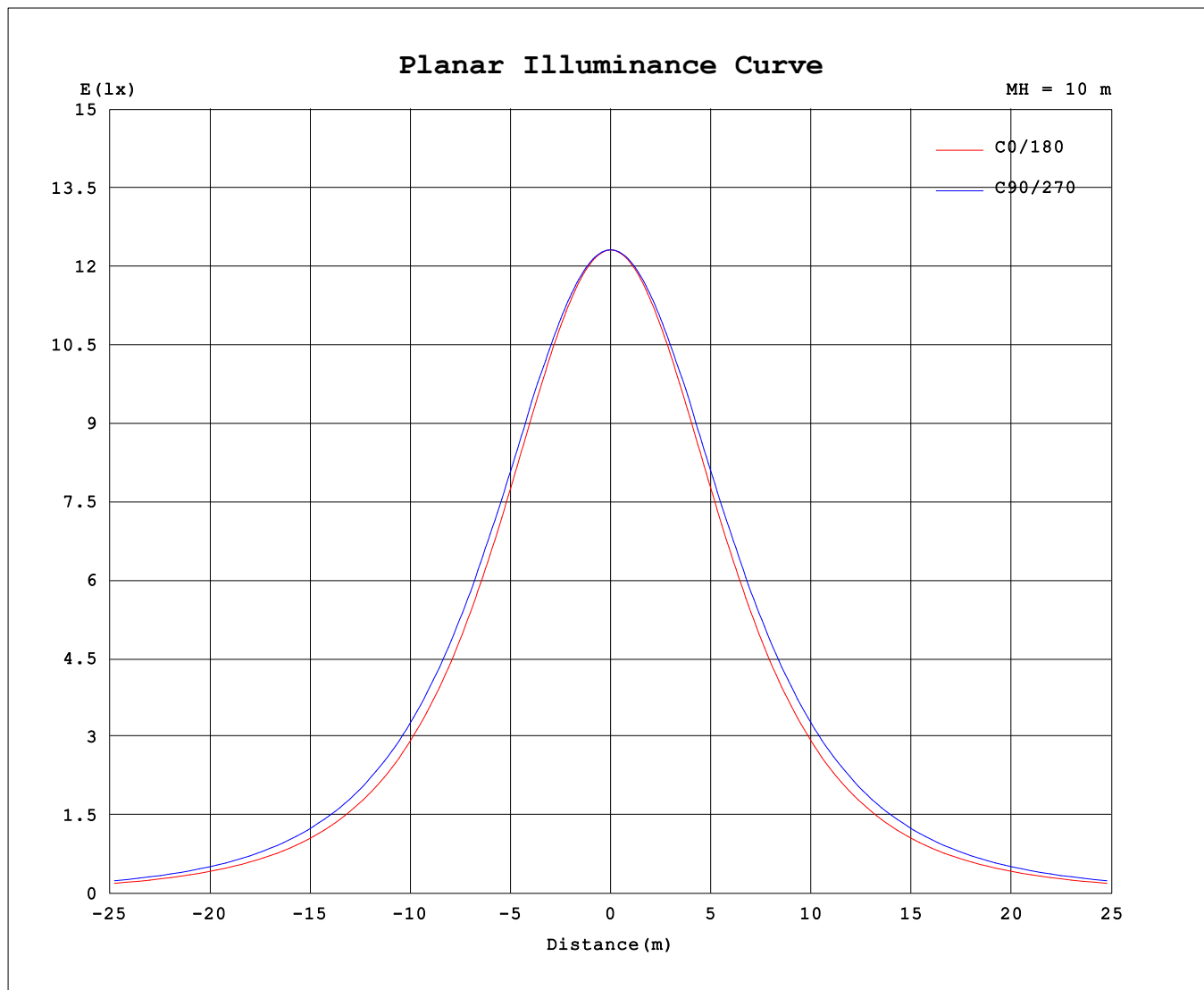
AvgL	cd/m2
L_0~180 (65) av	8850
L_0~180 (75) av	7611
L_0~180 (85) av	4636
L_90~270 (65) av	10835
L_90~270 (75) av	9679
L_90~270 (85) av	5820
L_45 (65) av	9731
L_45 (75) av	8504
L_45 (85) av	5164

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_60%_3500K

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_60%_3500l

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.95V I:0.2483A P:29.568W PF:0.9929 Freq:60.01Hz Lamp Flux:3739.11x1 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	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232
5	1226	1227	1227	1228	1228	1228	1228	1228	1228	1228	1227	1227	1226	1227	1227	1228	1228	1228	1228
10	1210	1211	1212	1214	1216	1217	1218	1217	1216	1214	1212	1211	1210	1211	1212	1214	1216	1217	1218
15	1183	1185	1188	1192	1196	1199	1200	1199	1196	1192	1188	1185	1183	1185	1188	1192	1196	1199	1200
20	1146	1148	1153	1160	1167	1175	1178	1175	1167	1160	1153	1148	1146	1148	1153	1160	1167	1175	1178
25	1100	1102	1110	1120	1134	1138	1141	1138	1134	1120	1110	1102	1100	1102	1110	1120	1134	1138	1141
30	1043	1047	1057	1075	1085	1096	1101	1096	1085	1075	1057	1047	1043	1047	1057	1075	1085	1096	1101
35	979	983	995	1013	1032	1046	1050	1046	1032	1013	995	983	979	983	995	1013	1032	1046	1050
40	906	912	927	946	968	986	992	986	968	946	927	912	906	912	927	946	968	986	992
45	826	832	850	872	896	915	923	915	896	872	850	832	826	832	850	872	896	915	923
50	739	745	762	789	814	838	848	838	814	789	762	745	739	745	762	789	814	838	848
55	646	653	670	696	726	746	756	746	726	696	670	653	646	653	670	696	726	746	756
60	549	554	571	595	623	646	656	646	623	595	571	554	549	554	571	595	623	646	656
65	444	450	466	488	514	537	544	537	514	488	466	450	444	450	466	488	514	537	544
70	341	344	357	376	398	416	423	416	398	376	357	344	341	344	357	376	398	416	423
75	234	238	247	261	278	292	297	292	278	261	247	238	234	238	247	261	278	292	297
80	135	136	142	150	160	168	172	168	160	150	142	136	135	136	142	150	160	168	172
85	48.0	49.0	50.9	53.4	56.8	59.1	60.2	59.1	56.8	53.4	50.9	49.0	48.0	49.0	50.9	53.4	56.8	59.1	60.2
90	3.01	2.27	2.25	2.23	2.18	1.65	2.25	1.65	2.18	2.23	2.25	2.27	3.01	2.27	2.25	2.23	2.18	1.65	2.25
95	0.51	0.50	0.48	0.44	0.34	0.20	0.17	0.20	0.34	0.44	0.48	0.50	0.51	0.50	0.48	0.44	0.34	0.20	0.17
100	0.64	0.61	0.59	0.54	0.48	0.34	0.29	0.34	0.48	0.54	0.59	0.61	0.64	0.61	0.59	0.54	0.48	0.34	0.29
105	0.71	0.68	0.68	0.66	0.59	0.42	0.36	0.42	0.59	0.66	0.68	0.68	0.71	0.68	0.68	0.66	0.59	0.42	0.36
110	0.78	0.79	0.77	0.74	0.67	0.51	0.43	0.51	0.67	0.74	0.77	0.79	0.78	0.79	0.77	0.74	0.67	0.51	0.43
115	0.89	0.89	0.87	0.83	0.76	0.60	0.49	0.60	0.76	0.83	0.87	0.89	0.89	0.89	0.87	0.83	0.76	0.60	0.49
120	0.98	0.98	0.96	0.91	0.83	0.68	0.58	0.68	0.83	0.91	0.96	0.98	0.98	0.98	0.96	0.91	0.83	0.68	0.58
125	1.06	1.08	1.05	0.99	0.92	0.80	0.69	0.80	0.92	0.99	1.05	1.08	1.06	1.08	1.05	0.99	0.92	0.80	0.69
130	1.25	1.28	1.22	1.16	1.10	0.96	0.88	0.96	1.10	1.16	1.22	1.28	1.25	1.28	1.22	1.16	1.10	0.96	0.88
135	1.47	1.49	1.42	1.36	1.30	1.15	1.09	1.15	1.30	1.36	1.42	1.49	1.47	1.49	1.42	1.36	1.30	1.15	1.09
140	1.78	1.78	1.70	1.65	1.56	1.41	1.37	1.41	1.56	1.65	1.70	1.78	1.78	1.78	1.70	1.65	1.56	1.41	1.37
145	2.11	2.08	2.06	1.94	1.80	1.69	1.65	1.69	1.80	1.94	2.06	2.08	2.11	2.08	2.06	1.94	1.80	1.69	1.65
150	2.41	2.36	2.30	2.17	2.01	1.94	1.91	1.94	2.01	2.17	2.30	2.36	2.41	2.36	2.30	2.17	2.01	1.94	1.91
155	2.58	2.51	2.42	2.32	2.13	2.10	2.08	2.10	2.13	2.32	2.42	2.51	2.58	2.51	2.42	2.32	2.13	2.10	2.08
160	2.59	2.53	2.42	2.28	2.22	2.17	2.15	2.17	2.22	2.28	2.42	2.53	2.59	2.53	2.42	2.28	2.22	2.17	2.15
165	2.51	2.46	2.36	2.26	2.21	2.18	2.17	2.18	2.21	2.26	2.36	2.46	2.51	2.46	2.36	2.26	2.21	2.18	2.17
170	2.44	2.43	2.36	2.28	2.24	2.21	2.20	2.21	2.24	2.28	2.36	2.43	2.44	2.43	2.36	2.28	2.24	2.21	2.20
175	2.41	2.41	2.36	2.30	2.26	2.23	2.22	2.23	2.26	2.30	2.36	2.41	2.41	2.41	2.36	2.30	2.26	2.23	2.22
180	2.51	2.46	2.38	2.33	2.29	2.25	2.24	2.25	2.29	2.33	2.38	2.46	2.51	2.46	2.38	2.33	2.29	2.25	2.24

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_60%_3500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.95V I:0.2483A P:29.568W PF:0.9929 Freq:60.01Hz Lamp Flux:3739.11x1 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	1232	1232	1232	1232	1232													
5	1228	1228	1228	1227	1227													
10	1217	1216	1214	1212	1211													
15	1199	1196	1192	1188	1185													
20	1175	1167	1160	1153	1148													
25	1138	1134	1120	1110	1102													
30	1096	1085	1075	1057	1047													
35	1046	1032	1013	995	983													
40	986	968	946	927	912													
45	915	896	872	850	832													
50	838	814	789	762	745													
55	746	726	696	670	653													
60	646	623	595	571	554													
65	537	514	488	466	450													
70	416	398	376	357	344													
75	292	278	261	247	238													
80	168	160	150	142	136													
85	59.1	56.8	53.4	50.9	49.0													
90	1.65	2.18	2.23	2.25	2.27													
95	0.20	0.34	0.44	0.48	0.50													
100	0.34	0.48	0.54	0.59	0.61													
105	0.42	0.59	0.66	0.68	0.68													
110	0.51	0.67	0.74	0.77	0.79													
115	0.60	0.76	0.83	0.87	0.89													
120	0.68	0.83	0.91	0.96	0.98													
125	0.80	0.92	0.99	1.05	1.08													
130	0.96	1.10	1.16	1.22	1.28													
135	1.15	1.30	1.36	1.42	1.49													
140	1.41	1.56	1.65	1.70	1.78													
145	1.69	1.80	1.94	2.06	2.08													
150	1.94	2.01	2.17	2.30	2.36													
155	2.10	2.13	2.32	2.42	2.51													
160	2.17	2.22	2.28	2.42	2.53													
165	2.18	2.21	2.26	2.36	2.46													
170	2.21	2.24	2.28	2.36	2.43													
175	2.23	2.26	2.30	2.36	2.41													
180	2.25	2.29	2.33	2.38	2.46													

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_60%_3500: