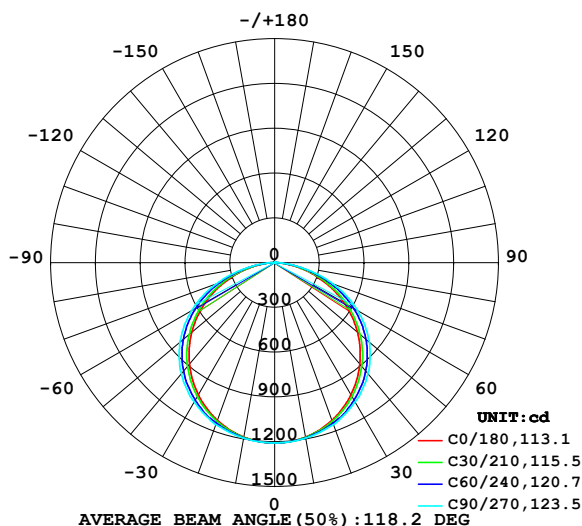


LUMINAIRE PHOTOMETRIC TEST REPORT

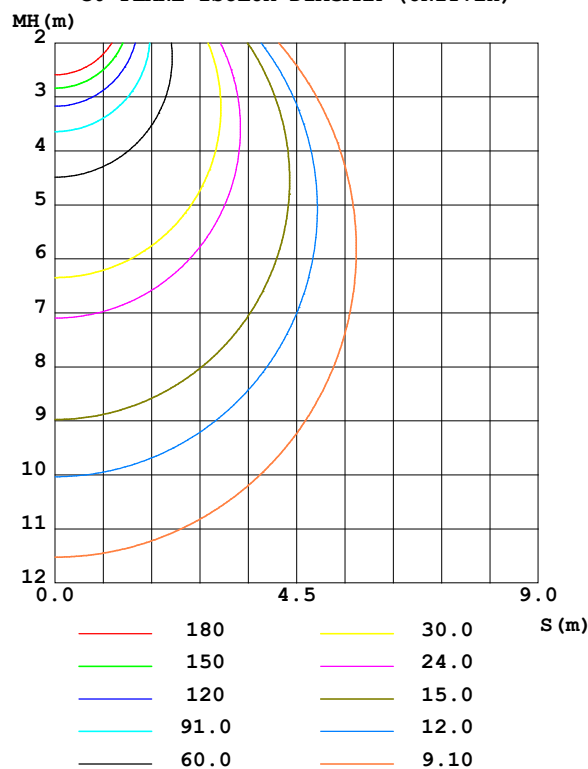
Test:U:119.96V I:0.2494A P:29.710W PF:0.9930 Freq:60.01Hz Lamp Flux:3665.55x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.38 lm/W			
MODEL		Imax (cd)	1208	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)	3665.6	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	3665.55	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%-3000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

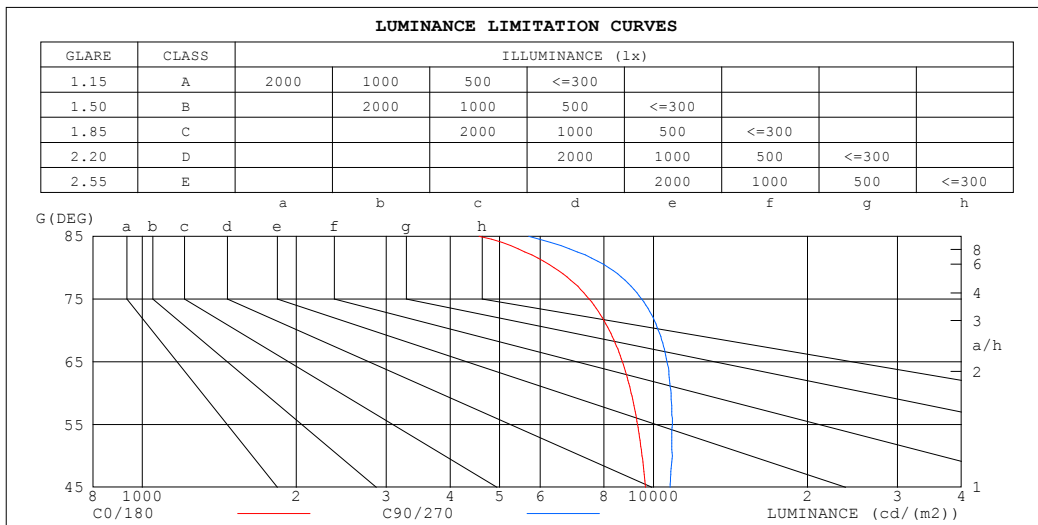
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1187	1190	1194	1190	1187	1190	1194	1190	0- 10	114.4	114.4	3.12,3.12
20	1124	1138	1155	1138	1124	1138	1155	1138	10- 20	329.9	444.4	12.1,12.1
30	1023	1053	1079	1053	1023	1053	1079	1053	20- 30	506.6	951.0	25.9,25.9
40	888.2	927.6	971.8	927.6	888.2	927.6	971.8	927.6	30- 40	622.1	1573	42.9,42.9
50	724.6	773.5	830.1	773.5	724.6	773.5	830.1	773.5	40- 50	660.1	2233	60.9,60.9
60	536.8	583.4	642.7	583.4	536.8	583.4	642.7	583.4	50- 60	611.0	2844	77.6,77.6
70	332.5	368.5	414.8	368.5	332.5	368.5	414.8	368.5	60- 70	475.8	3320	90.6,90.6
80	131.6	147.5	168.4	147.5	131.6	147.5	168.4	147.5	70- 80	273.0	3593	98,98
90	2.369	2.558	1.592	2.558	2.369	2.558	1.592	2.558	80- 90	65.69	3659	99.8,99.8
100	0.6235	0.5353	0.2791	0.5353	0.6235	0.5353	0.2791	0.5353	90-100	0.5766	3659	99.8,99.8
110	0.7631	0.7269	0.4229	0.7269	0.7631	0.7269	0.4229	0.7269	100-110	0.6167	3660	99.8,99.8
120	0.9594	0.8953	0.5663	0.8953	0.9594	0.8953	0.5663	0.8953	110-120	0.7487	3661	99.9,99.9
130	1.227	1.138	0.8596	1.138	1.227	1.138	0.8596	1.138	120-130	0.8517	3661	99.9,99.9
140	1.746	1.623	1.341	1.623	1.746	1.623	1.341	1.623	130-140	1.024	3662	99.9,99.9
150	2.365	2.142	1.878	2.142	2.365	2.142	1.878	2.142	140-150	1.162	3664	99.9,99.9
160	2.532	2.249	2.113	2.249	2.532	2.249	2.113	2.249	150-160	1.037	3665	100,100
170	2.389	2.238	2.172	2.238	2.389	2.238	2.172	2.238	160-170	0.6440	3665	100,100
180	2.455	2.287	2.209	2.287	2.455	2.287	2.209	2.287	170-180	0.2166	3666	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%_3000:

LUMINANCE LIMITATION CURVES

Test:U:119.96V I:0.2494A P:29.710W PF:0.9930 Freq:60.01Hz Lamp Flux:3665.55x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	4555	5697
80	6383	8168
75	7485	9485
70	8191	10218
65	8690	10616
60	9044	10829
55	9302	10881
50	9497	10880
45	9648	10775

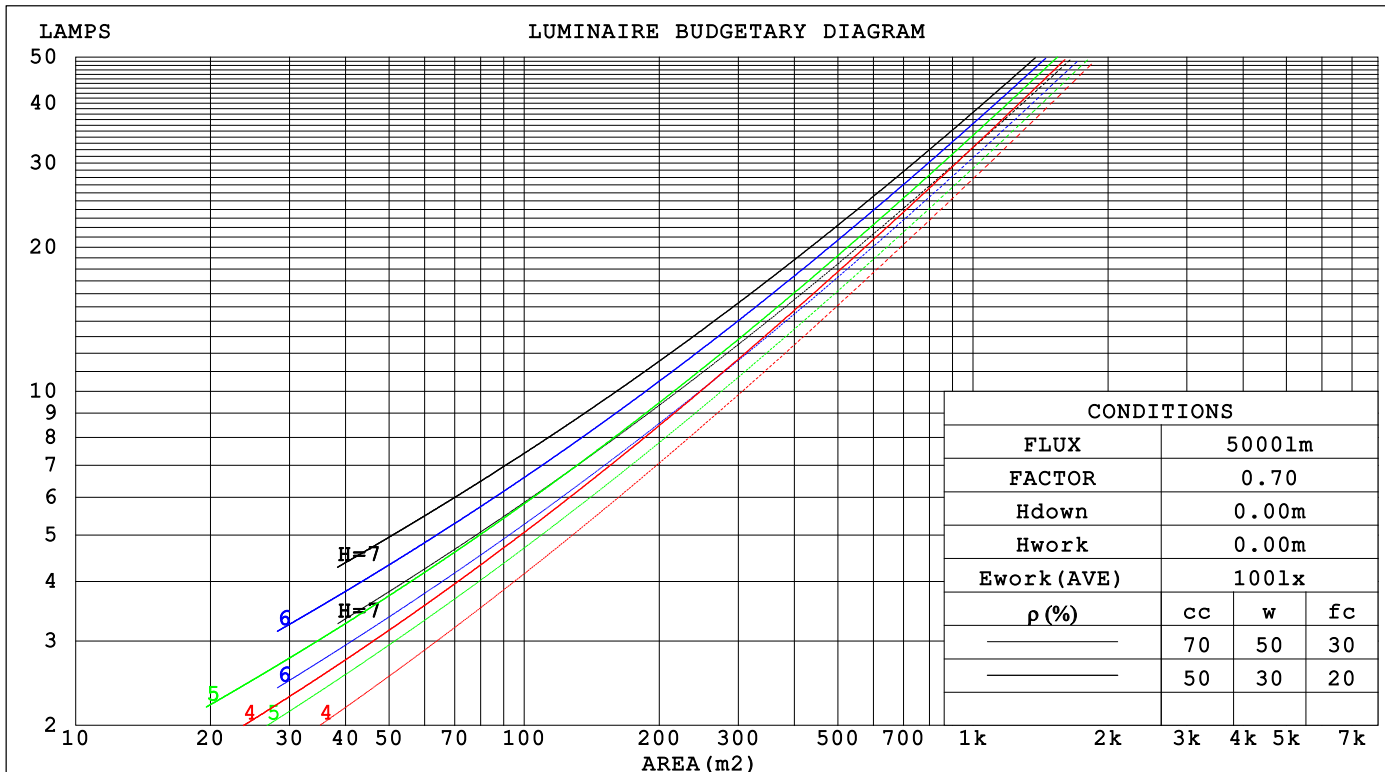
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.7°C
Operators: Alan Wang
Test Date: 2026-04-30

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%_3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.96V I:0.2494A P:29.710W PF:0.9930 Freq:60.01Hz Lamp Flux:3665.55x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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: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%_3000K

WEC AND CCEC

Test:U:119.96V I:0.2494A P:29.710W PF:0.9930 Freq:60.01Hz Lamp Flux:3665.55x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	.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_60%_3000K

UGR(Unified Glare Rating) Table

Test:U:119.96V I:0.2494A P:29.710W PF:0.9930 Freq:60.01Hz Lamp Flux:3665.55x1 lm										
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	20.6	22.1	20.9	22.3	22.5	21.4	22.9	21.6	23.1	23.3
3H	22.1	23.5	22.4	23.7	24.0	23.1	24.5	23.4	24.7	25.0
4H	22.6	24.0	23.0	24.3	24.5	23.7	25.1	24.1	25.4	25.6
6H	23.0	24.3	23.4	24.6	24.9	24.2	25.5	24.5	25.7	26.0
8H	23.1	24.4	23.5	24.6	24.9	24.3	25.5	24.7	25.8	26.1
12H	23.2	24.4	23.5	24.7	25.0	24.4	25.5	24.7	25.8	26.2
4H 2H	21.3	22.7	21.6	22.9	23.2	21.9	23.3	22.2	23.5	23.8
3H	23.0	24.2	23.3	24.5	24.8	23.8	25.0	24.2	25.3	25.6
4H	23.7	24.7	24.0	25.1	25.4	24.6	25.7	25.0	26.0	26.3
6H	24.1	25.1	24.5	25.5	25.8	25.2	26.1	25.6	26.5	26.9
8H	24.3	25.2	24.7	25.6	25.9	25.3	26.2	25.8	26.6	27.0
12H	24.4	25.2	24.8	25.6	26.0	25.4	26.3	25.9	26.6	27.1
8H 4H	24.0	24.9	24.4	25.2	25.6	24.8	25.7	25.2	26.1	26.5
6H	24.6	25.3	25.0	25.8	26.2	25.5	26.3	26.0	26.7	27.1
8H	24.8	25.5	25.3	25.9	26.4	25.8	26.4	26.2	26.9	27.3
12H	24.9	25.5	25.4	26.0	26.4	25.9	26.5	26.4	26.9	27.4
12H 4H	24.0	24.8	24.4	25.2	25.6	24.8	25.6	25.2	26.0	26.4
6H	24.7	25.3	25.1	25.8	26.2	25.6	26.2	26.0	26.6	27.1
8H	24.9	25.5	25.4	25.9	26.4	25.8	26.4	26.3	26.9	27.3
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, 3666 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.5)
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_60%_3000K

UTILIZATION FACTORS TABLE

Test:U:119.96V I:0.2494A P:29.710W PF:0.9930 Freq:60.01Hz Lamp Flux:3665.55x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

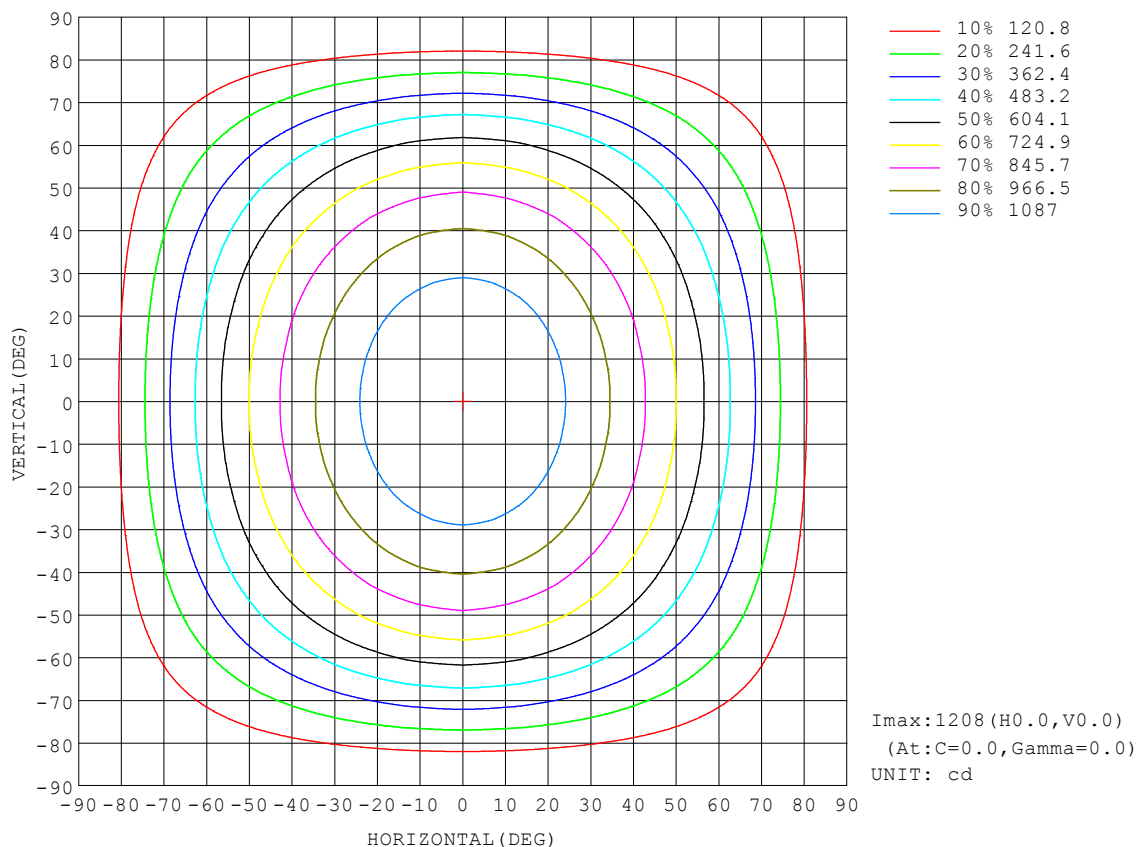
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	37	31
0.80	67	55	47	66	54	47	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	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	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%_3000K

ISOCANDELA DIAGRAM

Test:U:119.96V I:0.2494A P:29.710W PF:0.9930 Freq:60.01Hz Lamp Flux:3665.55x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

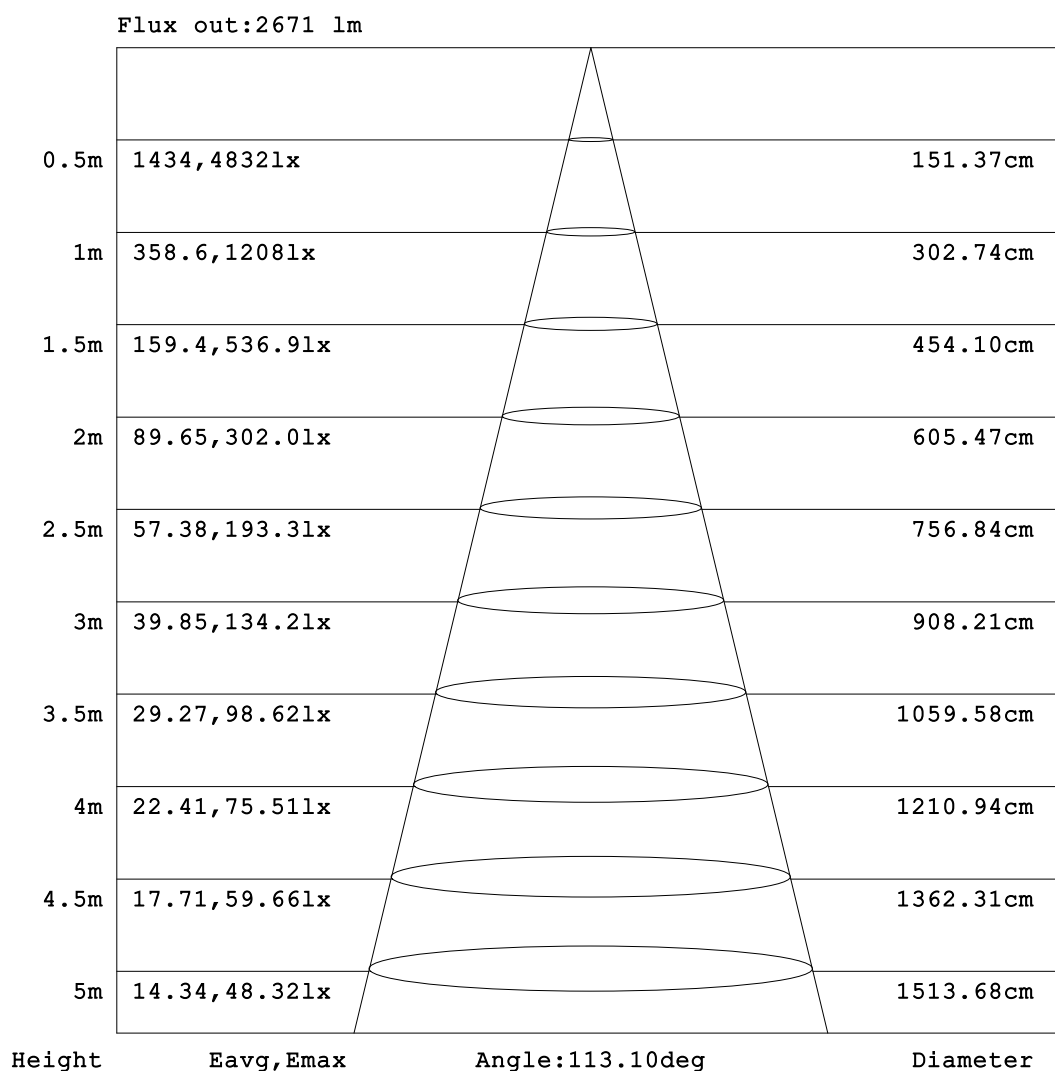


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

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%_3000K

AAI Figure

Test:U:119.96V I:0.2494A P:29.710W PF:0.9930 Freq:60.01Hz Lamp Flux:3665.55x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

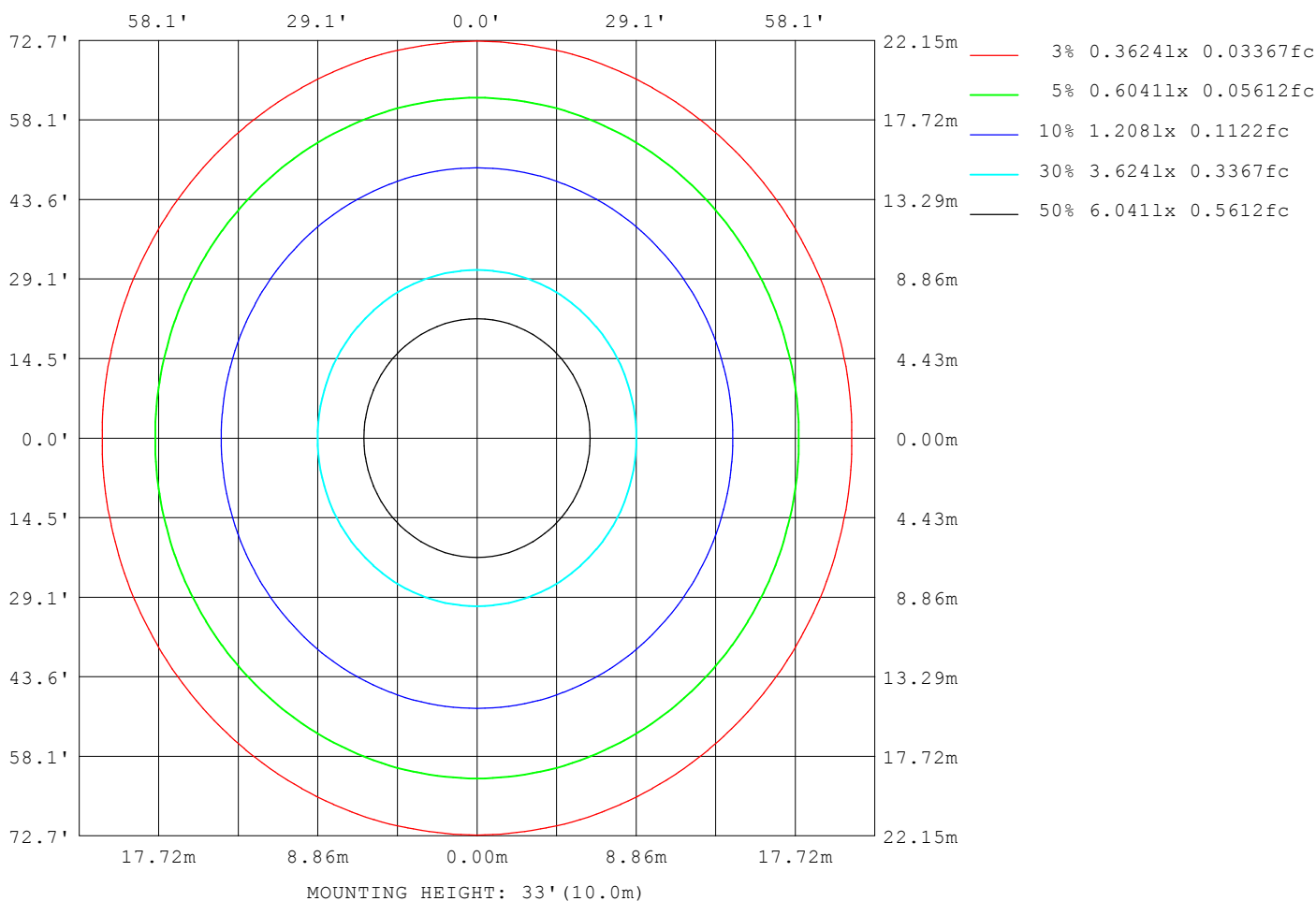


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

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%_3000K

ISOLUX DIAGRAM

Test:U:119.96V I:0.2494A P:29.710W PF:0.9930 Freq:60.01Hz Lamp Flux:3665.55x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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: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%_3000K

LED Avg.L Report

Test:U:119.96V I:0.2494A P:29.710W PF:0.9930 Freq:60.01Hz Lamp Flux:3665.55x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

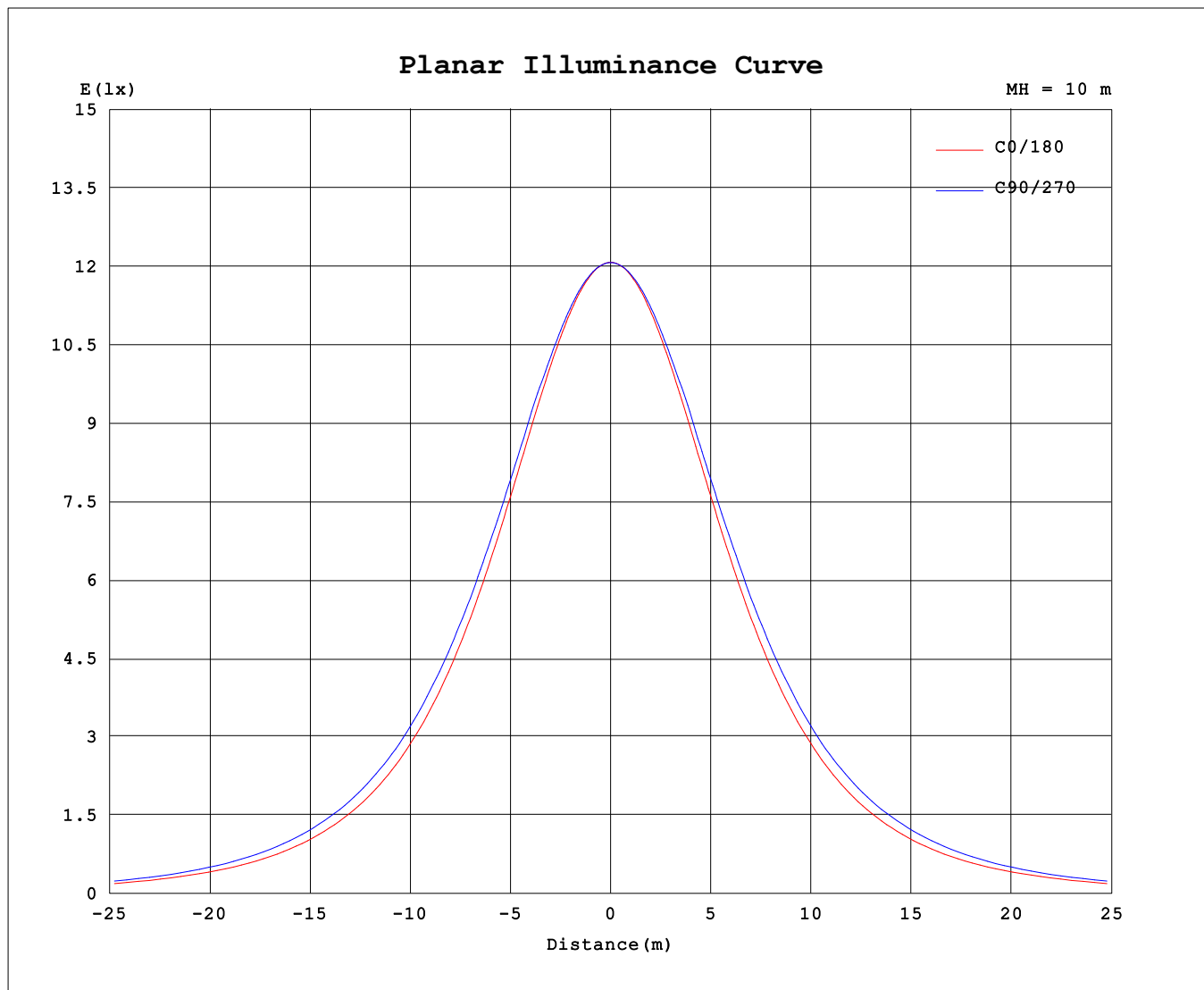
AvgL	cd/m2
L_0~180 (65) av	8690
L_0~180 (75) av	7485
L_0~180 (85) av	4555
L_90~270 (65) av	10616
L_90~270 (75) av	9485
L_90~270 (85) av	5697
L_45 (65) av	9540
L_45 (75) av	8339
L_45 (85) av	5101

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%_3000K

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%_3000:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.96V I:0.2494A P:29.710W PF:0.9930 Freq:60.01Hz Lamp Flux:3665.55x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	1208	1208	1208	1208	1208	1208	1207	1208	1208	1208	1208	1208	1208	1208	1208	1208	1208	1208	1207
5	1203	1203	1203	1203	1204	1204	1204	1204	1204	1203	1203	1203	1203	1203	1203	1203	1204	1204	1204
10	1187	1187	1188	1190	1192	1193	1194	1193	1192	1190	1188	1187	1187	1187	1188	1190	1192	1193	1194
15	1160	1161	1164	1168	1172	1175	1176	1175	1172	1168	1164	1161	1160	1161	1164	1168	1172	1175	1176
20	1124	1126	1131	1138	1144	1152	1155	1152	1144	1138	1131	1126	1124	1126	1131	1138	1144	1152	1155
25	1078	1081	1088	1098	1111	1116	1119	1116	1111	1098	1088	1081	1078	1081	1088	1098	1111	1116	1119
30	1023	1026	1036	1053	1064	1074	1079	1074	1064	1053	1036	1026	1023	1026	1036	1053	1064	1074	1079
35	960	964	976	993	1011	1025	1029	1025	1011	993	976	964	960	964	976	993	1011	1025	1029
40	888	893	908	928	949	966	972	966	949	928	908	893	888	893	908	928	949	966	972
45	810	816	833	855	878	897	904	897	878	855	833	816	810	816	833	855	878	897	904
50	725	731	747	773	798	821	830	821	798	773	747	731	725	731	747	773	798	821	830
55	633	640	656	682	711	731	741	731	711	682	656	640	633	640	656	682	711	731	741
60	537	543	560	583	611	633	643	633	611	583	560	543	537	543	560	583	611	633	643
65	436	441	456	479	504	526	533	526	504	479	456	441	436	441	456	479	504	526	533
70	333	337	350	368	390	408	415	408	390	368	350	337	333	337	350	368	390	408	415
75	230	233	242	256	273	286	291	286	273	256	242	233	230	233	242	256	273	286	291
80	132	134	139	147	157	165	168	165	157	147	139	134	132	134	139	147	157	165	168
85	47.1	48.7	50.1	52.8	55.5	58.1	58.9	58.1	55.5	52.8	50.1	48.7	47.1	48.7	50.1	52.8	55.5	58.1	58.9
90	2.37	3.12	2.78	2.56	1.82	1.77	1.59	1.77	1.82	2.56	2.78	3.12	2.37	3.12	2.78	2.56	1.82	1.77	1.59
95	0.50	0.49	0.47	0.43	0.34	0.20	0.17	0.20	0.34	0.43	0.47	0.49	0.50	0.49	0.47	0.43	0.34	0.20	0.17
100	0.62	0.61	0.58	0.54	0.48	0.33	0.28	0.33	0.48	0.54	0.58	0.61	0.62	0.61	0.58	0.54	0.48	0.33	0.28
105	0.69	0.67	0.66	0.64	0.57	0.41	0.35	0.41	0.57	0.64	0.66	0.67	0.69	0.67	0.66	0.64	0.57	0.41	0.35
110	0.76	0.78	0.76	0.73	0.66	0.49	0.42	0.49	0.66	0.73	0.76	0.78	0.76	0.78	0.76	0.73	0.66	0.49	0.42
115	0.87	0.88	0.85	0.81	0.74	0.58	0.48	0.58	0.74	0.81	0.85	0.88	0.87	0.88	0.85	0.81	0.74	0.58	0.48
120	0.96	0.96	0.94	0.90	0.81	0.66	0.57	0.66	0.81	0.90	0.94	0.96	0.96	0.96	0.94	0.90	0.81	0.66	0.57
125	1.05	1.06	1.04	0.98	0.90	0.78	0.68	0.78	0.90	0.98	1.04	1.06	1.05	1.06	1.04	0.98	0.90	0.78	0.68
130	1.23	1.26	1.21	1.14	1.08	0.94	0.86	0.94	1.08	1.14	1.21	1.26	1.23	1.26	1.21	1.14	1.08	0.94	0.86
135	1.45	1.47	1.40	1.35	1.28	1.13	1.07	1.13	1.28	1.35	1.40	1.47	1.45	1.47	1.40	1.35	1.28	1.13	1.07
140	1.75	1.75	1.68	1.62	1.54	1.38	1.34	1.38	1.54	1.62	1.68	1.75	1.75	1.75	1.68	1.62	1.54	1.38	1.34
145	2.07	2.05	2.02	1.91	1.78	1.66	1.62	1.66	1.78	1.91	2.02	2.05	2.07	2.05	2.02	1.91	1.78	1.66	1.62
150	2.37	2.32	2.26	2.14	1.98	1.91	1.88	1.91	1.98	2.14	2.26	2.32	2.37	2.32	2.26	2.14	1.98	1.91	1.88
155	2.53	2.47	2.38	2.28	2.10	2.07	2.05	2.07	2.10	2.28	2.38	2.47	2.53	2.47	2.38	2.28	2.10	2.07	2.05
160	2.53	2.48	2.38	2.25	2.19	2.13	2.11	2.13	2.19	2.25	2.38	2.48	2.53	2.48	2.38	2.25	2.19	2.13	2.11
165	2.45	2.41	2.32	2.22	2.17	2.15	2.14	2.15	2.17	2.22	2.32	2.41	2.45	2.41	2.32	2.22	2.17	2.15	2.14
170	2.39	2.38	2.31	2.24	2.20	2.18	2.17	2.18	2.20	2.24	2.31	2.38	2.39	2.38	2.31	2.24	2.20	2.18	2.17
175	2.35	2.37	2.31	2.25	2.22	2.19	2.18	2.19	2.22	2.25	2.31	2.37	2.35	2.37	2.31	2.25	2.22	2.19	2.18
180	2.45	2.41	2.34	2.29	2.25	2.22	2.21	2.22	2.25	2.29	2.34	2.41	2.45	2.41	2.34	2.29	2.25	2.22	2.21

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%_3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.96V I:0.2494A P:29.710W PF:0.9930 Freq:60.01Hz Lamp Flux:3665.55x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	1208	1208	1208	1208	1208													
5	1204	1204	1203	1203	1203													
10	1193	1192	1190	1188	1187													
15	1175	1172	1168	1164	1161													
20	1152	1144	1138	1131	1126													
25	1116	1111	1098	1088	1081													
30	1074	1064	1053	1036	1026													
35	1025	1011	993	976	964													
40	966	949	928	908	893													
45	897	878	855	833	816													
50	821	798	773	747	731													
55	731	711	682	656	640													
60	633	611	583	560	543													
65	526	504	479	456	441													
70	408	390	368	350	337													
75	286	273	256	242	233													
80	165	157	147	139	134													
85	58.1	55.5	52.8	50.1	48.7													
90	1.77	1.82	2.56	2.78	3.12													
95	0.20	0.34	0.43	0.47	0.49													
100	0.33	0.48	0.54	0.58	0.61													
105	0.41	0.57	0.64	0.66	0.67													
110	0.49	0.66	0.73	0.76	0.78													
115	0.58	0.74	0.81	0.85	0.88													
120	0.66	0.81	0.90	0.94	0.96													
125	0.78	0.90	0.98	1.04	1.06													
130	0.94	1.08	1.14	1.21	1.26													
135	1.13	1.28	1.35	1.40	1.47													
140	1.38	1.54	1.62	1.68	1.75													
145	1.66	1.78	1.91	2.02	2.05													
150	1.91	1.98	2.14	2.26	2.32													
155	2.07	2.10	2.28	2.38	2.47													
160	2.13	2.19	2.25	2.38	2.48													
165	2.15	2.17	2.22	2.32	2.41													
170	2.18	2.20	2.24	2.31	2.38													
175	2.19	2.22	2.25	2.31	2.37													
180	2.22	2.25	2.29	2.34	2.41													

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%_3000: