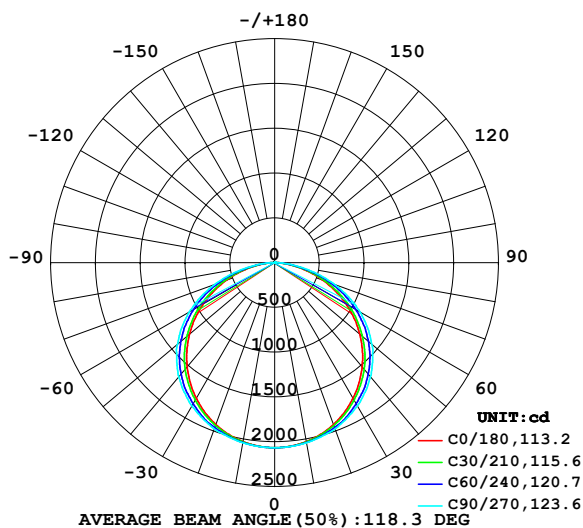


LUMINAIRE PHOTOMETRIC TEST REPORT

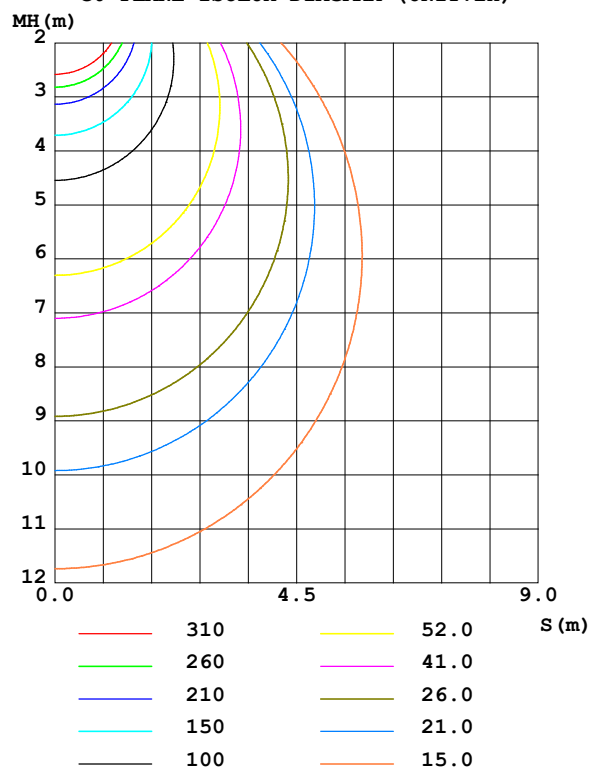
Test:U:119.98V I:0.4243A P:50.630W PF:0.9946 Freq:60.01Hz Lamp Flux:6275.46x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 123.95 lm/W
MODEL		I _{max} (cd)	2067	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.33	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	6275.5	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	6275.46	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)	120.002	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℃
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_100%_3500K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

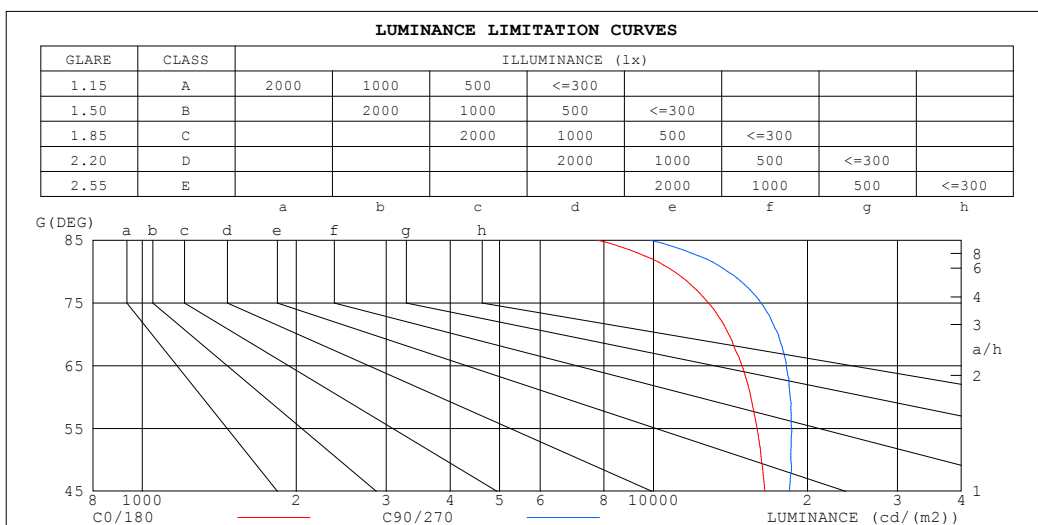
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2030	2036	2042	2036	2030	2036	2042	2036	0- 10	195.8	195.8	3.12,3.12
20	1923	1946	1976	1946	1923	1946	1976	1946	10- 20	564.6	760.4	12.1,12.1
30	1750	1802	1848	1802	1750	1802	1848	1802	20- 30	867.0	1627	25.9,25.9
40	1520	1588	1666	1588	1520	1588	1666	1588	30- 40	1065	2692	42.9,42.9
50	1241	1324	1416	1324	1241	1324	1416	1324	40- 50	1130	3822	60.9,60.9
60	919.8	999.1	1098	999.1	919.8	999.1	1098	999.1	50- 60	1046	4869	77.6,77.6
70	569.8	631.2	712.5	631.2	569.8	631.2	712.5	631.2	60- 70	814.9	5684	90.6,90.6
80	226.4	252.2	288.1	252.2	226.4	252.2	288.1	252.2	70- 80	467.3	6151	98,98
90	3.144	3.754	4.319	3.754	3.144	3.754	4.319	3.754	80- 90	112.7	6264	99.8,99.8
100	1.063	0.8924	0.4439	0.8924	1.063	0.8924	0.4439	0.8924	90-100	1.073	6265	99.8,99.8
110	1.300	1.240	0.7276	1.240	1.300	1.240	0.7276	1.240	100-110	1.048	6266	99.8,99.8
120	1.639	1.537	0.9731	1.537	1.639	1.537	0.9731	1.537	110-120	1.282	6267	99.9,99.9
130	2.089	1.926	1.445	1.926	2.089	1.926	1.445	1.926	120-130	1.450	6269	99.9,99.9
140	2.978	2.743	2.264	2.743	2.978	2.743	2.264	2.743	130-140	1.732	6270	99.9,99.9
150	4.046	3.634	3.192	3.634	4.046	3.634	3.192	3.634	140-150	1.971	6272	99.9,99.9
160	4.337	3.836	3.613	3.836	4.337	3.836	3.613	3.836	150-160	1.767	6274	100,100
170	4.101	3.850	3.735	3.850	4.101	3.850	3.735	3.850	160-170	1.104	6275	100,100
180	4.217	3.914	3.780	3.914	4.217	3.914	3.780	3.914	170-180	0.3725	6275	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_100%_350

LUMINANCE LIMITATION CURVES

Test:U:119.98V I:0.4243A P:50.630W PF:0.9946 Freq:60.01Hz Lamp Flux:6275.46x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	7777	9867
80	10983	13979
75	12814	16222
70	14035	17550
65	14892	18183
60	15497	18498
55	15941	18628
50	16261	18559
45	16524	18442

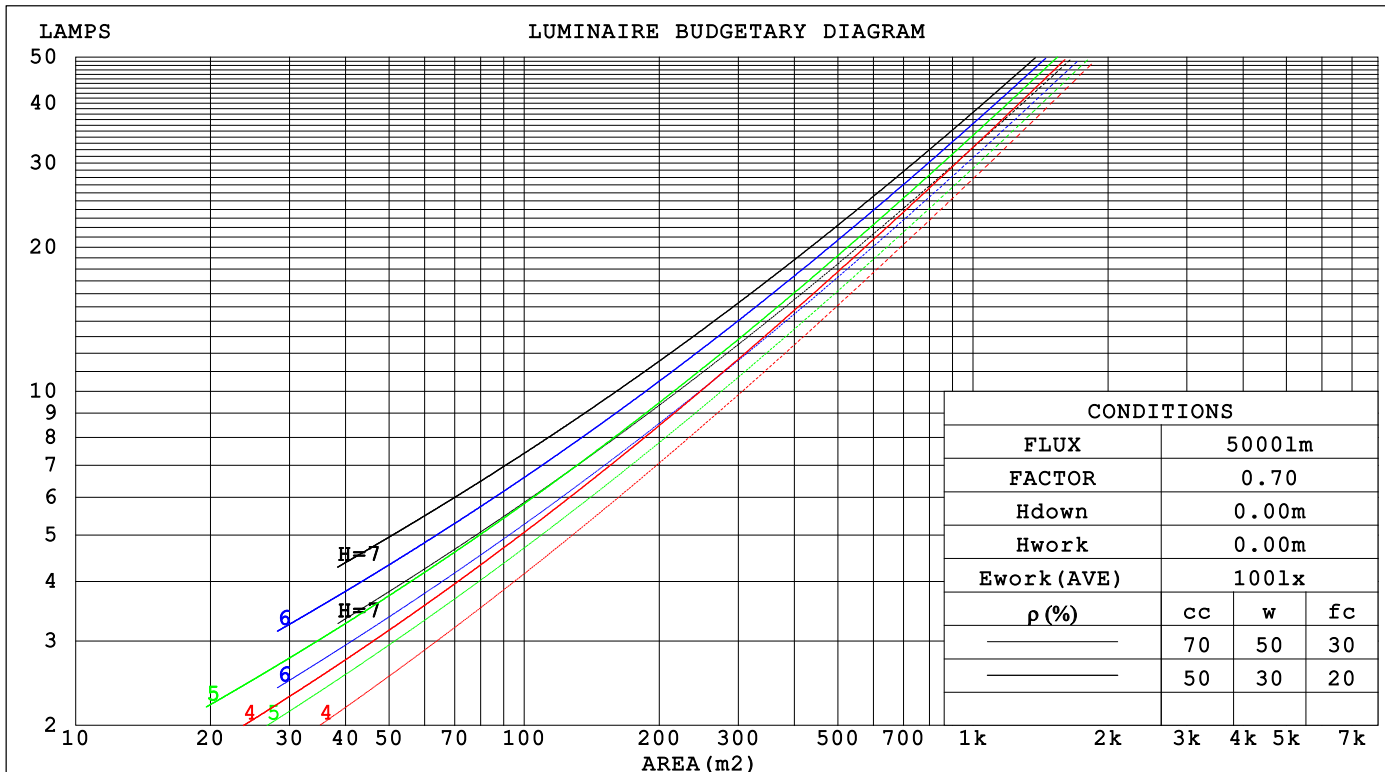
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.7°C
Operators: Alan Wang
Test Date: 2026-04-30

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_100%_3500K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.98V I:0.4243A P:50.630W PF:0.9946 Freq:60.01Hz Lamp Flux:6275.46x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.39	.37
7.0	.50	.41	.35	.50	.41	.35	.48	.40	.35	.46	.40	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26
10.0	.39	.31	.25	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



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_100%_3500K

WEC AND CCEC

Test:U:119.98V I:0.4243A P:50.630W PF:0.9946 Freq:60.01Hz Lamp Flux:6275.46x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	.179	.057	.307	.175	.056	.294	.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	.118	.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	.198	.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	.079	.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_100%_350

UGR(Unified Glare Rating) Table

Test:U:119.98V I:0.4243A P:50.630W PF:0.9946 Freq:60.01Hz Lamp Flux:6275.46x1 lm										
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	22.5	24.0	22.7	24.2	24.4	23.2	24.8	23.5	25.0	25.2
3H	23.9	25.4	24.2	25.6	25.9	24.9	26.4	25.2	26.6	26.8
4H	24.5	25.9	24.8	26.1	26.4	25.6	27.0	25.9	27.2	27.5
6H	24.9	26.2	25.2	26.4	26.7	26.1	27.3	26.4	27.6	27.9
8H	25.0	26.2	25.3	26.5	26.8	26.2	27.4	26.5	27.7	28.0
12H	25.0	26.2	25.4	26.5	26.8	26.2	27.4	26.6	27.7	28.0
4H 2H	23.2	24.5	23.5	24.8	25.1	23.8	25.1	24.1	25.4	25.7
3H	24.8	26.0	25.2	26.3	26.6	25.7	26.9	26.0	27.2	27.5
4H	25.5	26.6	25.9	26.9	27.3	26.5	27.6	26.8	27.9	28.2
6H	26.0	27.0	26.4	27.3	27.7	27.0	28.0	27.4	28.4	28.7
8H	26.2	27.1	26.6	27.4	27.8	27.2	28.1	27.6	28.5	28.9
12H	26.2	27.1	26.7	27.4	27.8	27.3	28.1	27.7	28.5	28.9
8H 4H	25.8	26.7	26.3	27.1	27.5	26.7	27.6	27.1	27.9	28.3
6H	26.5	27.2	26.9	27.6	28.1	27.4	28.1	27.8	28.5	29.0
8H	26.7	27.3	27.1	27.8	28.2	27.6	28.3	28.1	28.7	29.2
12H	26.8	27.4	27.3	27.8	28.3	27.8	28.4	28.3	28.8	29.3
12H 4H	25.9	26.7	26.3	27.1	27.5	26.7	27.5	27.1	27.9	28.3
6H	26.5	27.2	27.0	27.6	28.1	27.4	28.1	27.9	28.5	29.0
8H	26.8	27.3	27.3	27.8	28.3	27.7	28.3	28.2	28.7	29.2
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, 6275 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.4)
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_100%_3500K

UTILIZATION FACTORS TABLE

Test:U:119.98V I:0.4243A P:50.630W PF:0.9946 Freq:60.01Hz Lamp Flux:6275.46x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

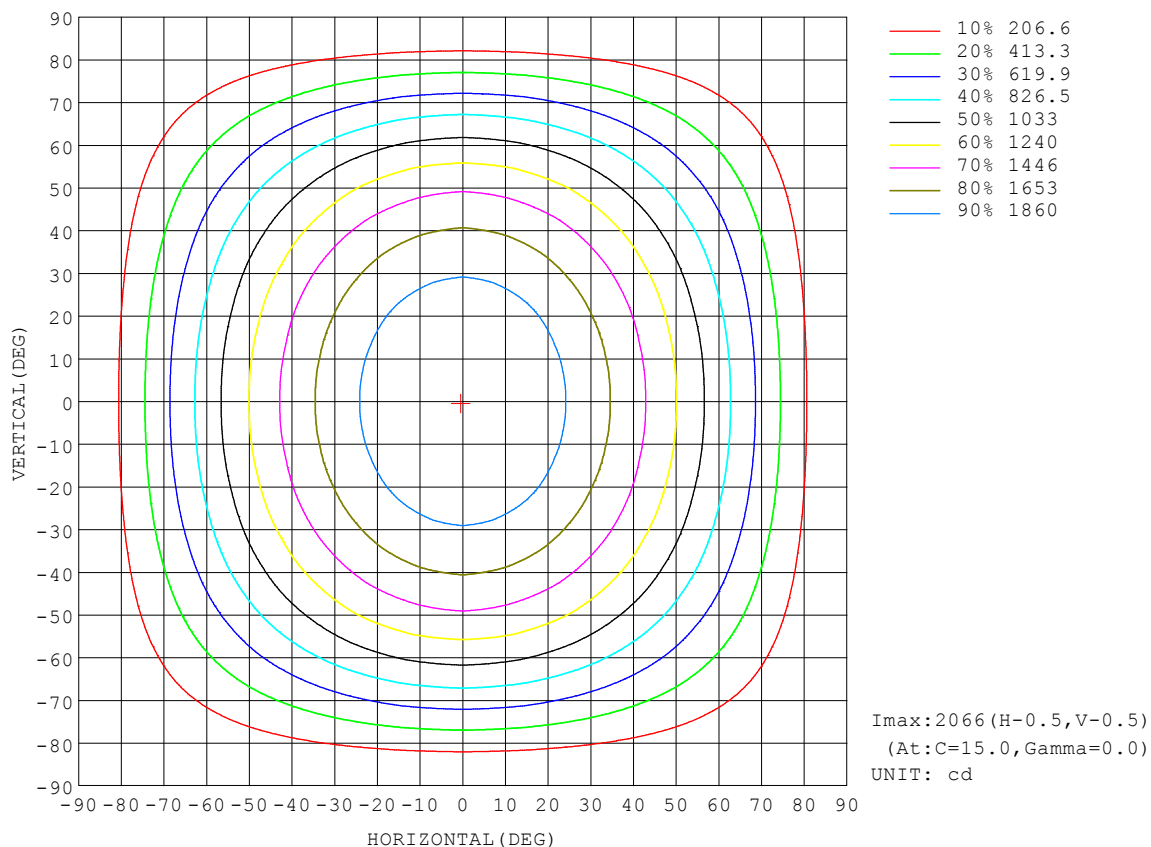
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	44	38	55	44	37	31
0.80	67	55	47	66	54	47	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_100%_3500K

ISOCANDELA DIAGRAM

Test:U:119.98V I:0.4243A P:50.630W PF:0.9946 Freq:60.01Hz Lamp Flux:6275.46x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

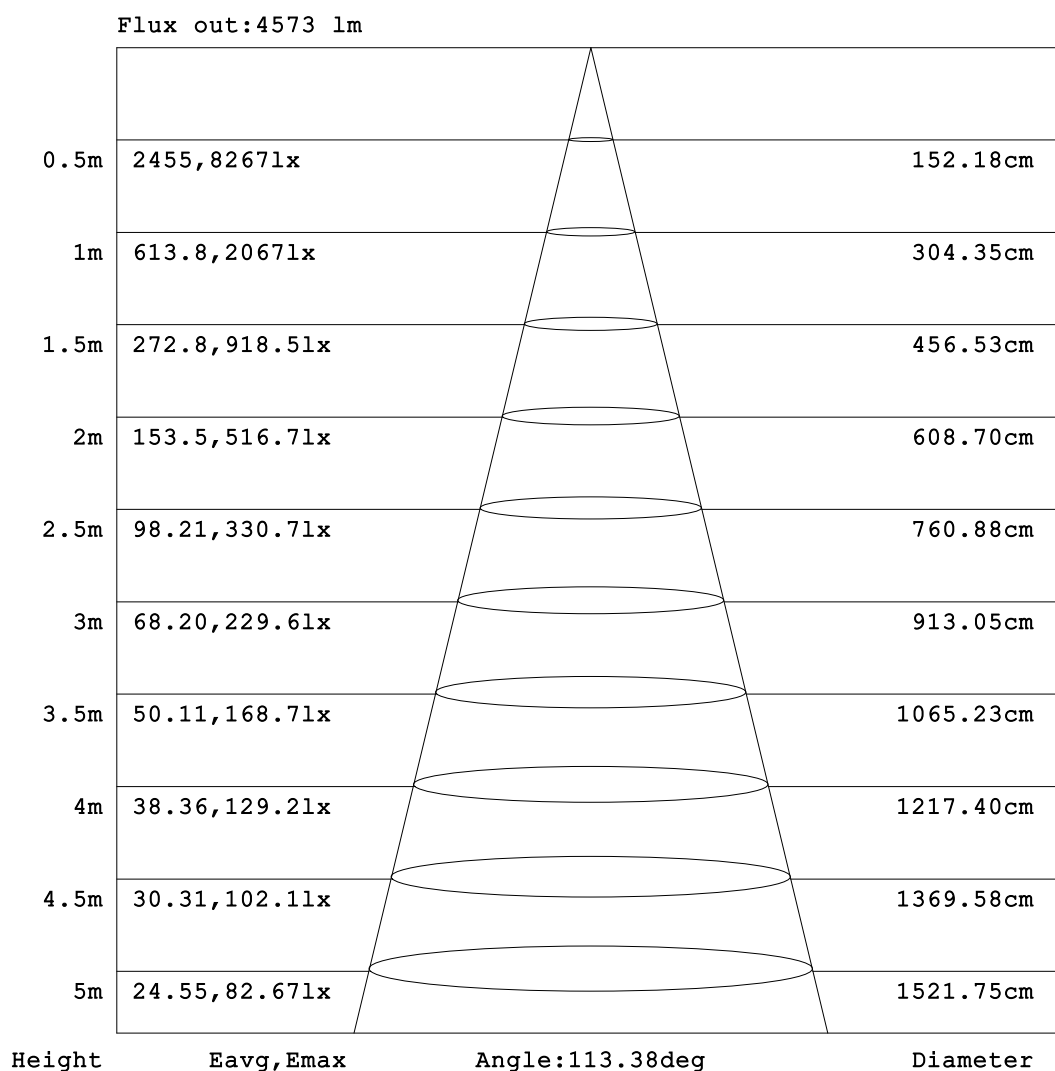


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

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_100%_3500K

AAI Figure

Test:U:119.98V I:0.4243A P:50.630W PF:0.9946 Freq:60.01Hz Lamp Flux:6275.46x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



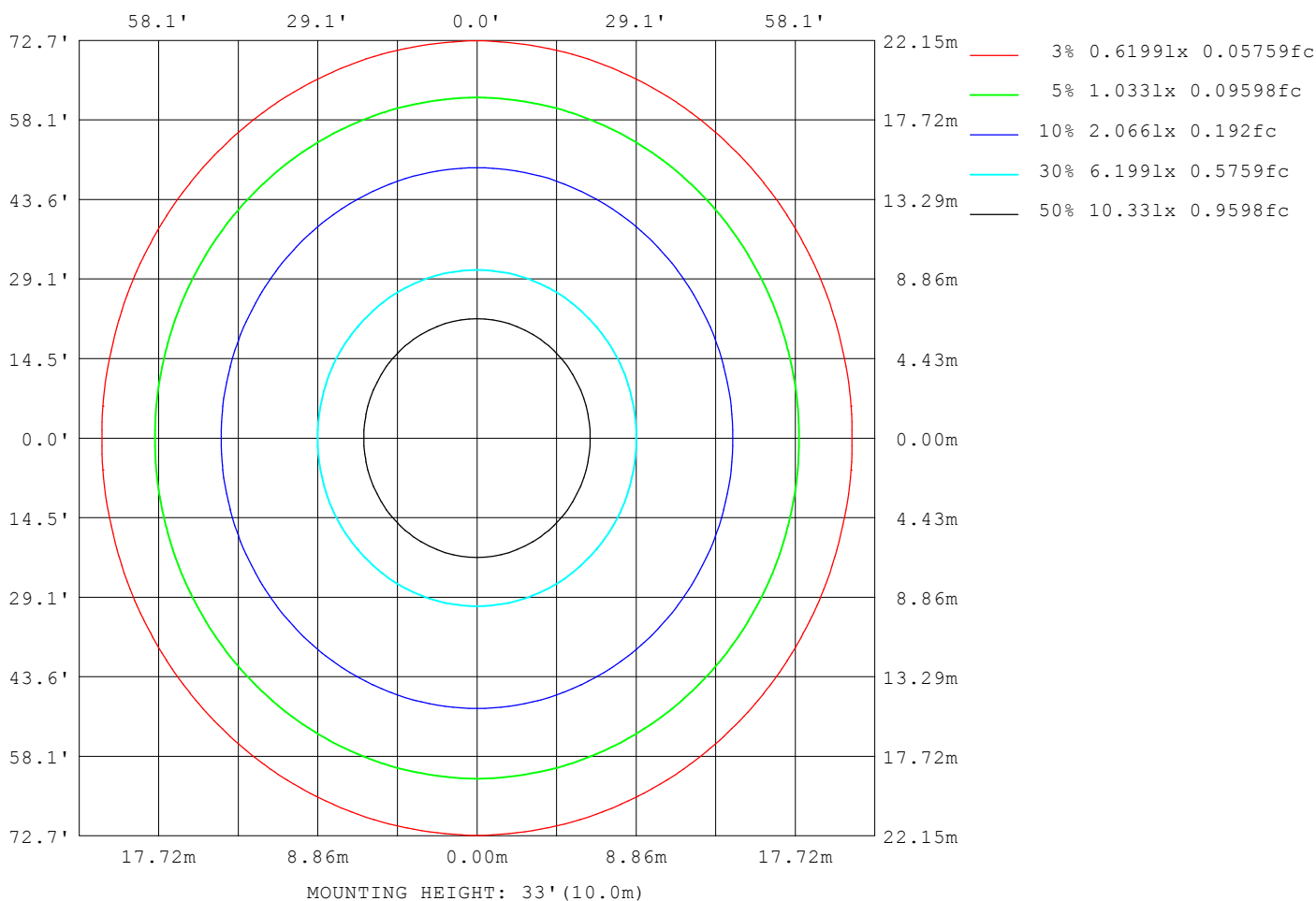
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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_100%_3500K

ISOLUX DIAGRAM

Test:U:119.98V I:0.4243A P:50.630W PF:0.9946 Freq:60.01Hz Lamp Flux:6275.46x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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_100%_3500K

LED Avg.L Report

Test:U:119.98V I:0.4243A P:50.630W PF:0.9946 Freq:60.01Hz Lamp Flux:6275.46x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

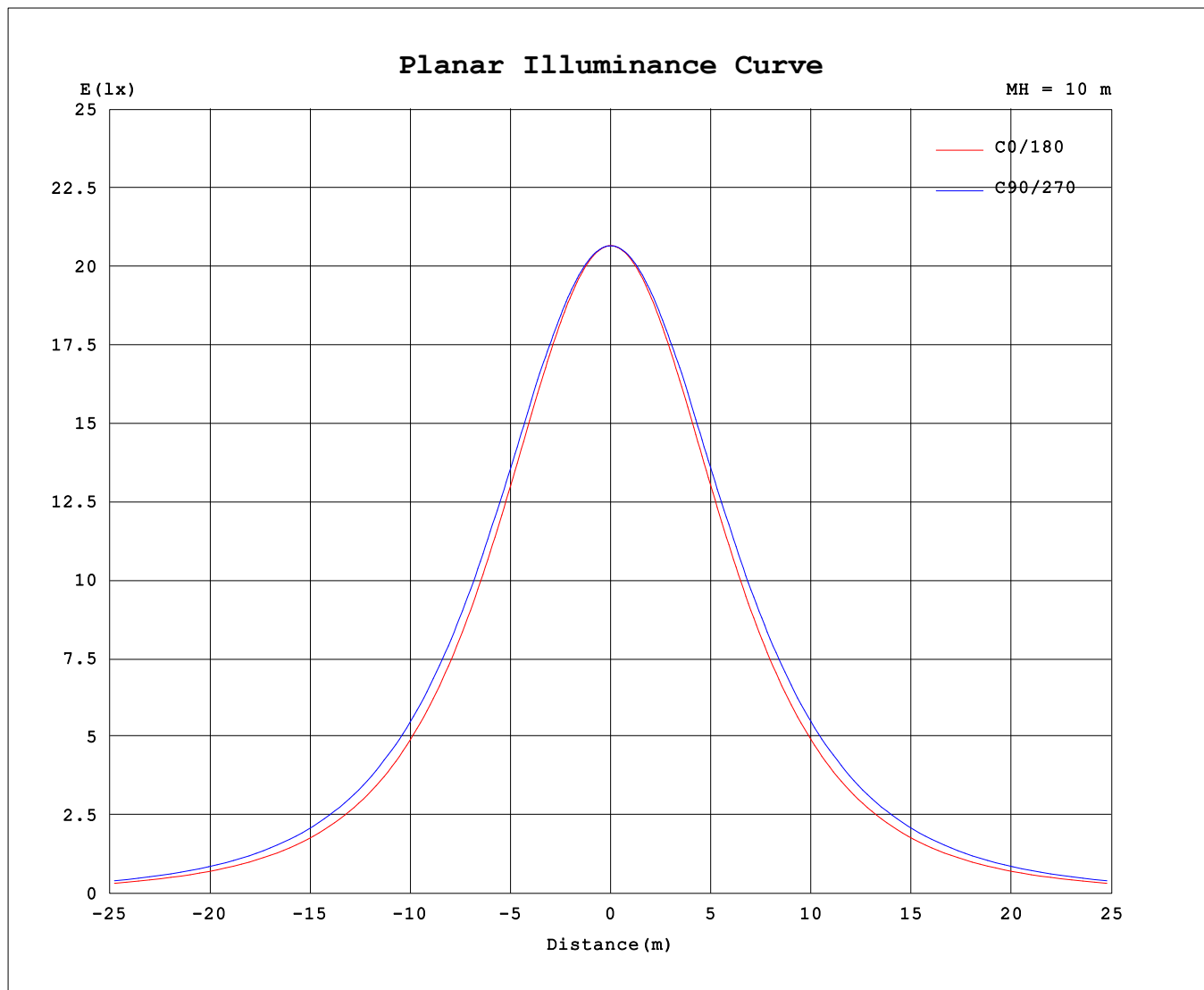
AvgL	cd/m2
L_0~180 (65) av	14892
L_0~180 (75) av	12814
L_0~180 (85) av	7777
L_90~270 (65) av	18183
L_90~270 (75) av	16222
L_90~270 (85) av	9867
L_45 (65) av	16344
L_45 (75) av	14272
L_45 (85) av	8690

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_100%_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_100%_350

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.4243A P:50.630W PF:0.9946 Freq:60.01Hz Lamp Flux:6275.46x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	2066	2067	2066	2066	2066	2066	2066	2066	2066	2066	2066	2067	2066	2067	2066	2066	2066	2066	2066
5	2057	2058	2058	2059	2060	2060	2060	2060	2060	2059	2058	2058	2057	2058	2058	2059	2060	2060	2060
10	2030	2031	2033	2036	2040	2042	2042	2042	2040	2036	2033	2031	2030	2031	2033	2036	2040	2042	2042
15	1985	1987	1992	1999	2006	2011	2012	2011	2006	1999	1992	1987	1985	1987	1992	1999	2006	2011	2012
20	1923	1926	1935	1946	1958	1973	1976	1973	1958	1946	1935	1926	1923	1926	1935	1946	1958	1973	1976
25	1845	1849	1862	1879	1901	1910	1915	1910	1901	1879	1862	1849	1845	1849	1862	1879	1901	1910	1915
30	1750	1756	1773	1802	1820	1839	1848	1839	1820	1802	1773	1756	1750	1756	1773	1802	1820	1839	1848
35	1642	1650	1670	1699	1733	1753	1762	1753	1733	1699	1670	1650	1642	1650	1670	1699	1733	1753	1762
40	1520	1530	1556	1588	1625	1653	1666	1653	1625	1588	1556	1530	1520	1530	1556	1588	1625	1653	1666
45	1387	1397	1426	1463	1505	1536	1548	1536	1505	1463	1426	1397	1387	1397	1426	1463	1505	1536	1548
50	1241	1251	1280	1324	1366	1409	1416	1409	1366	1324	1280	1251	1241	1251	1280	1324	1366	1409	1416
55	1085	1095	1124	1168	1216	1252	1268	1252	1216	1168	1124	1095	1085	1095	1124	1168	1216	1252	1268
60	920	930	959	999	1046	1085	1098	1085	1046	999	959	930	920	930	959	999	1046	1085	1098
65	747	756	782	820	863	898	912	898	863	820	782	756	747	756	782	820	863	898	912
70	570	578	598	631	668	699	713	699	668	631	598	578	570	578	598	631	668	699	713
75	394	398	415	438	466	489	498	489	466	438	415	398	394	398	415	438	466	489	498
80	226	229	239	252	268	282	288	282	268	252	239	229	226	229	239	252	268	282	288
85	80.5	81.4	85.3	89.9	95.4	99.5	102	99.5	95.4	89.9	85.3	81.4	80.5	81.4	85.3	89.9	95.4	99.5	102
90	3.14	3.60	4.77	3.75	3.45	3.96	4.32	3.96	3.45	3.75	4.77	3.60	3.14	3.60	4.77	3.75	3.45	3.96	4.32
95	0.86	0.84	0.79	0.73	0.57	0.33	0.28	0.33	0.57	0.73	0.79	0.84	0.86	0.84	0.79	0.73	0.57	0.33	0.28
100	1.06	1.02	0.96	0.89	0.79	0.54	0.44	0.54	0.79	0.89	0.96	1.02	1.06	1.02	0.96	0.89	0.79	0.54	0.44
105	1.19	1.14	1.13	1.10	0.98	0.71	0.60	0.71	0.98	1.10	1.13	1.14	1.19	1.14	1.13	1.10	0.98	0.71	0.60
110	1.30	1.33	1.29	1.24	1.13	0.84	0.73	0.84	1.13	1.24	1.29	1.33	1.30	1.33	1.29	1.24	1.13	0.84	0.73
115	1.49	1.50	1.45	1.39	1.27	1.00	0.84	1.00	1.27	1.39	1.45	1.50	1.49	1.50	1.45	1.39	1.27	1.00	0.84
120	1.64	1.65	1.61	1.54	1.40	1.14	0.97	1.14	1.40	1.54	1.61	1.65	1.64	1.65	1.61	1.54	1.40	1.14	0.97
125	1.78	1.81	1.76	1.66	1.53	1.34	1.16	1.34	1.53	1.66	1.76	1.81	1.78	1.81	1.76	1.66	1.53	1.34	1.16
130	2.09	2.14	2.04	1.93	1.83	1.59	1.44	1.59	1.83	1.93	2.04	2.14	2.09	2.14	2.04	1.93	1.83	1.59	1.44
135	2.47	2.50	2.36	2.27	2.16	1.91	1.80	1.91	2.16	2.27	2.36	2.50	2.47	2.50	2.36	2.27	2.16	1.91	1.80
140	2.98	2.97	2.83	2.74	2.60	2.34	2.26	2.34	2.60	2.74	2.83	2.97	2.98	2.97	2.83	2.74	2.60	2.34	2.26
145	3.53	3.49	3.44	3.24	3.01	2.82	2.76	2.82	3.01	3.24	3.44	3.49	3.53	3.49	3.44	3.24	3.01	2.82	2.76
150	4.05	3.95	3.84	3.63	3.36	3.23	3.19	3.23	3.36	3.63	3.84	3.95	4.05	3.95	3.84	3.63	3.36	3.23	3.19
155	4.32	4.21	4.06	3.87	3.57	3.52	3.49	3.52	3.57	3.87	4.06	4.21	4.32	4.21	4.06	3.87	3.57	3.52	3.49
160	4.34	4.25	4.06	3.84	3.71	3.64	3.61	3.64	3.71	3.84	4.06	4.25	4.34	4.25	4.06	3.84	3.71	3.64	3.61
165	4.20	4.13	3.97	3.81	3.72	3.69	3.71	3.69	3.72	3.81	3.97	4.13	4.20	4.13	3.97	3.81	3.72	3.69	3.71
170	4.10	4.09	3.98	3.85	3.78	3.74	3.73	3.74	3.78	3.85	3.98	4.09	4.10	4.09	3.98	3.85	3.78	3.74	3.73
175	4.04	4.06	3.98	3.88	3.81	3.77	3.75	3.77	3.81	3.88	3.98	4.06	4.04	4.06	3.98	3.88	3.81	3.77	3.75
180	4.22	4.13	4.00	3.91	3.85	3.79	3.78	3.79	3.85	3.91	4.00	4.13	4.22	4.13	4.00	3.91	3.85	3.79	3.78

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_100%_3500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.4243A P:50.630W PF:0.9946 Freq:60.01Hz Lamp Flux:6275.46x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	2066	2066	2066	2066	2067													
5	2060	2060	2059	2058	2058													
10	2042	2040	2036	2033	2031													
15	2011	2006	1999	1992	1987													
20	1973	1958	1946	1935	1926													
25	1910	1901	1879	1862	1849													
30	1839	1820	1802	1773	1756													
35	1753	1733	1699	1670	1650													
40	1653	1625	1588	1556	1530													
45	1536	1505	1463	1426	1397													
50	1409	1366	1324	1280	1251													
55	1252	1216	1168	1124	1095													
60	1085	1046	999	959	930													
65	898	863	820	782	756													
70	699	668	631	598	578													
75	489	466	438	415	398													
80	282	268	252	239	229													
85	99.5	95.4	89.9	85.3	81.4													
90	3.96	3.45	3.75	4.77	3.60													
95	0.33	0.57	0.73	0.79	0.84													
100	0.54	0.79	0.89	0.96	1.02													
105	0.71	0.98	1.10	1.13	1.14													
110	0.84	1.13	1.24	1.29	1.33													
115	1.00	1.27	1.39	1.45	1.50													
120	1.14	1.40	1.54	1.61	1.65													
125	1.34	1.53	1.66	1.76	1.81													
130	1.59	1.83	1.93	2.04	2.14													
135	1.91	2.16	2.27	2.36	2.50													
140	2.34	2.60	2.74	2.83	2.97													
145	2.82	3.01	3.24	3.44	3.49													
150	3.23	3.36	3.63	3.84	3.95													
155	3.52	3.57	3.87	4.06	4.21													
160	3.64	3.71	3.84	4.06	4.25													
165	3.69	3.72	3.81	3.97	4.13													
170	3.74	3.78	3.85	3.98	4.09													
175	3.77	3.81	3.88	3.98	4.06													
180	3.79	3.85	3.91	4.00	4.13													

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_100%_3500K