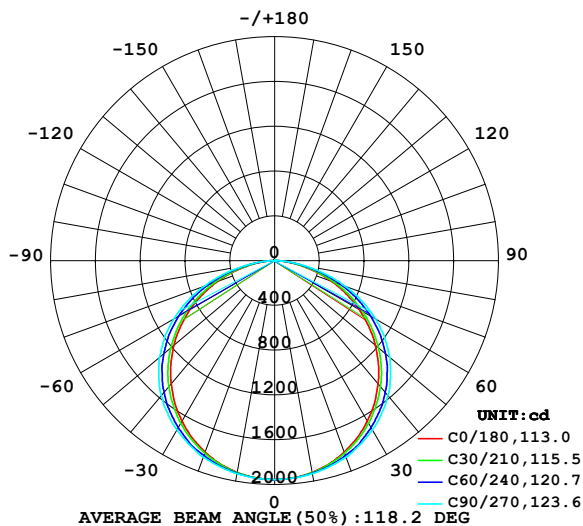


LUMINAIRE PHOTOMETRIC TEST REPORT

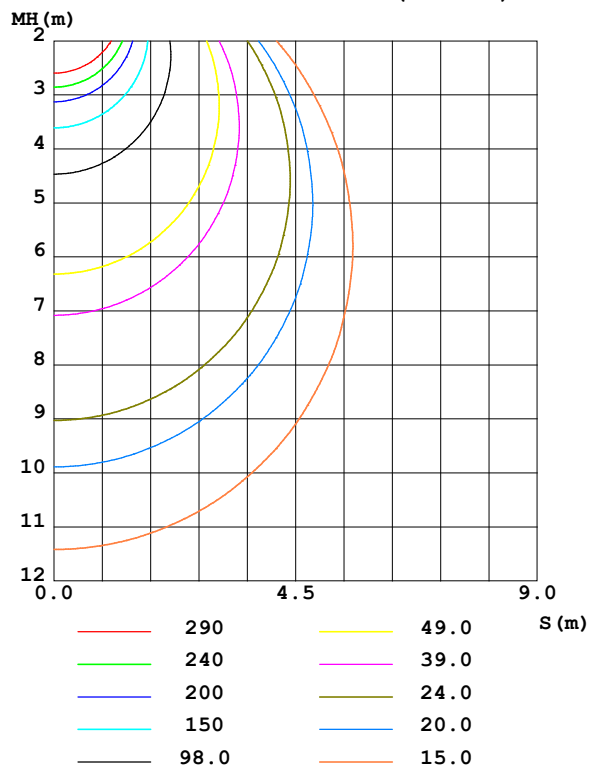
Test:U:120.01V I:0.4347A P:51.894W PF:0.9947 Freq:60.01Hz Lamp Flux:5932.83x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 114.33 lm/W
MODEL		I _{max} (cd)	1955	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)	5932.8	η UP,DN(C0-180)		0.1,49.9
NOMINAL FLUX(lm)	5932.83	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°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%_270

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

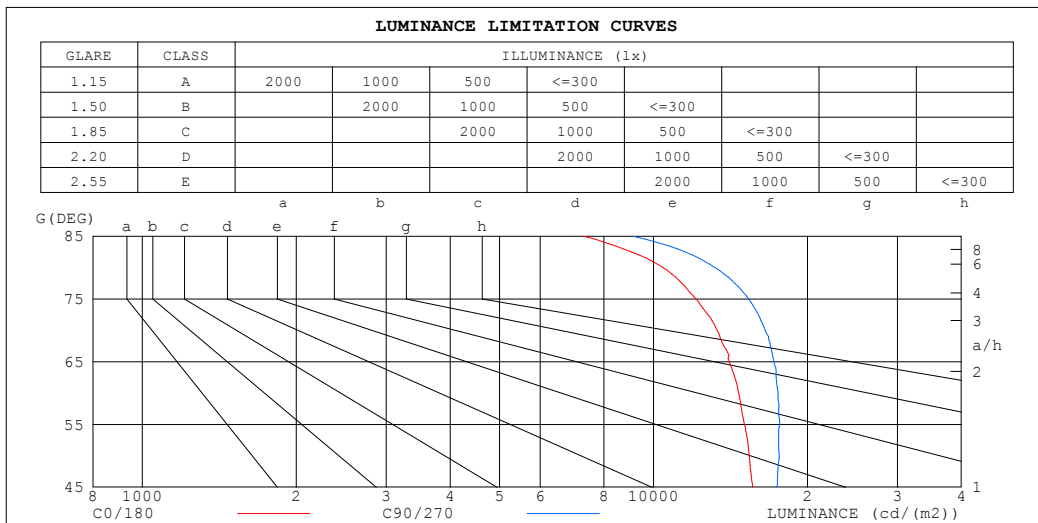
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1921	1926	1932	1926	1921	1926	1932	1926	0- 10	185.2	185.2	3.12,3.12
20	1819	1841	1869	1841	1819	1841	1869	1841	10- 20	534.0	719.2	12.1,12.1
30	1655	1705	1745	1705	1655	1705	1745	1705	20- 30	820.0	1539	25.9,25.9
40	1438	1501	1574	1501	1438	1501	1574	1501	30- 40	1007	2546	42.9,42.9
50	1174	1253	1344	1253	1174	1253	1344	1253	40- 50	1069	3615	60.9,60.9
60	871.4	944.7	1040	944.7	871.4	944.7	1040	944.7	50- 60	989.3	4604	77.6,77.6
70	540.7	596.3	671.9	596.3	540.7	596.3	671.9	596.3	60- 70	770.6	5375	90.6,90.6
80	215.3	238.2	271.9	238.2	215.3	238.2	271.9	238.2	70- 80	441.5	5816	98,98
90	3.535	3.607	2.585	3.607	3.535	3.607	2.585	3.607	80- 90	105.4	5922	99.8,99.8
100	1.006	0.8502	0.4546	0.8502	1.006	0.8502	0.4546	0.8502	90-100	0.9019	5923	99.8,99.8
110	1.228	1.173	0.6874	1.173	1.228	1.173	0.6874	1.173	100-110	0.9940	5924	99.8,99.8
120	1.549	1.449	0.9196	1.449	1.549	1.449	0.9196	1.449	110-120	1.210	5925	99.9,99.9
130	1.972	1.833	1.392	1.833	1.972	1.833	1.392	1.833	120-130	1.375	5926	99.9,99.9
140	2.812	2.611	2.167	2.611	2.812	2.611	2.167	2.611	130-140	1.651	5928	99.9,99.9
150	3.820	3.449	3.030	3.449	3.820	3.449	3.030	3.449	140-150	1.874	5930	99.9,99.9
160	4.100	3.617	3.401	3.617	4.100	3.617	3.401	3.617	150-160	1.672	5931	100,100
170	3.876	3.612	3.491	3.612	3.876	3.612	3.491	3.612	160-170	1.038	5932	100,100
180	3.986	3.688	3.548	3.688	3.986	3.688	3.548	3.688	170-180	0.3495	5933	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%_270

LUMINANCE LIMITATION CURVES

Test:U:120.01V I:0.4347A P:51.894W PF:0.9947 Freq:60.01Hz Lamp Flux:5932.83x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	7303	9119
80	10443	13191
75	12114	15333
70	13318	16549
65	14062	17197
60	14683	17522
55	15065	17644
50	15388	17609
45	15634	17448

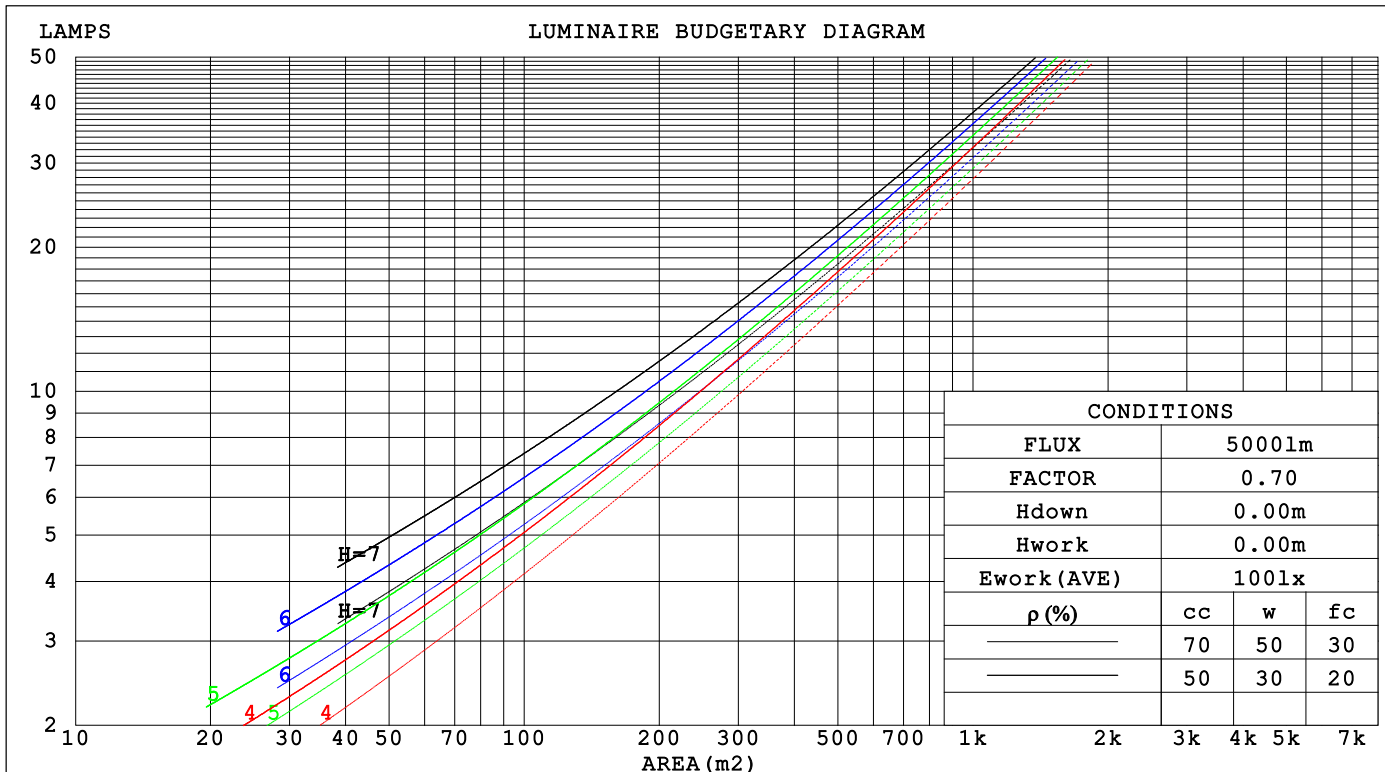
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.7°C
Operators: Alan Wang
Test Date: 2026-04-30

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%_2700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.01V I:0.4347A P:51.894W PF:0.9947 Freq:60.01Hz Lamp Flux:5932.83x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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 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	.35	.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%_2700K

WEC AND CCEC

Test:U:120.01V I:0.4347A P:51.894W PF:0.9947 Freq:60.01Hz Lamp Flux:5932.83x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	.178	.057	.307	.175	.056	.293	.168	.054	.281	.162	.052	.270	.156	.050		
2.0	.296	.162	.050	.290	.160	.049	.278	.154	.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_100%_270

UGR(Unified Glare Rating) Table

Test:U:120.01V I:0.4347A P:51.894W PF:0.9947 Freq:60.01Hz Lamp Flux:5932.83x1 lm										
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	22.3	23.8	22.5	24.0	24.2	23.0	24.6	23.3	24.8	25.0
3H	23.7	25.2	24.1	25.4	25.7	24.7	26.2	25.0	26.4	26.7
4H	24.3	25.7	24.6	25.9	26.2	25.4	26.8	25.7	27.0	27.3
6H	24.7	26.0	25.0	26.3	26.5	25.9	27.1	26.2	27.4	27.7
8H	24.8	26.0	25.1	26.3	26.6	26.0	27.2	26.3	27.5	27.8
12H	24.8	26.0	25.2	26.3	26.6	26.0	27.2	26.4	27.5	27.8
4H 2H	23.0	24.3	23.3	24.6	24.9	23.6	25.0	23.9	25.2	25.5
3H	24.6	25.8	25.0	26.1	26.4	25.5	26.7	25.8	27.0	27.3
4H	25.3	26.4	25.7	26.7	27.1	26.3	27.4	26.6	27.7	28.0
6H	25.8	26.8	26.2	27.1	27.5	26.8	27.8	27.2	28.2	28.5
8H	26.0	26.9	26.4	27.2	27.6	27.0	27.9	27.4	28.3	28.7
12H	26.0	26.9	26.5	27.2	27.7	27.1	27.9	27.5	28.3	28.7
8H 4H	25.6	26.5	26.1	26.9	27.3	26.5	27.4	26.9	27.8	28.1
6H	26.3	27.0	26.7	27.4	27.9	27.2	27.9	27.6	28.4	28.8
8H	26.5	27.1	26.9	27.6	28.0	27.4	28.1	27.9	28.5	29.0
12H	26.6	27.2	27.1	27.6	28.1	27.6	28.2	28.1	28.6	29.1
12H 4H	25.7	26.5	26.1	26.9	27.3	26.5	27.3	26.9	27.7	28.1
6H	26.3	27.0	26.8	27.4	27.9	27.2	27.9	27.7	28.3	28.8
8H	26.6	27.1	27.1	27.6	28.1	27.5	28.1	28.0	28.5	29.0
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, 5933 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.2)
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%_2700K

UTILIZATION FACTORS TABLE

Test:U:120.01V I:0.4347A P:51.894W PF:0.9947 Freq:60.01Hz Lamp Flux:5932.83x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

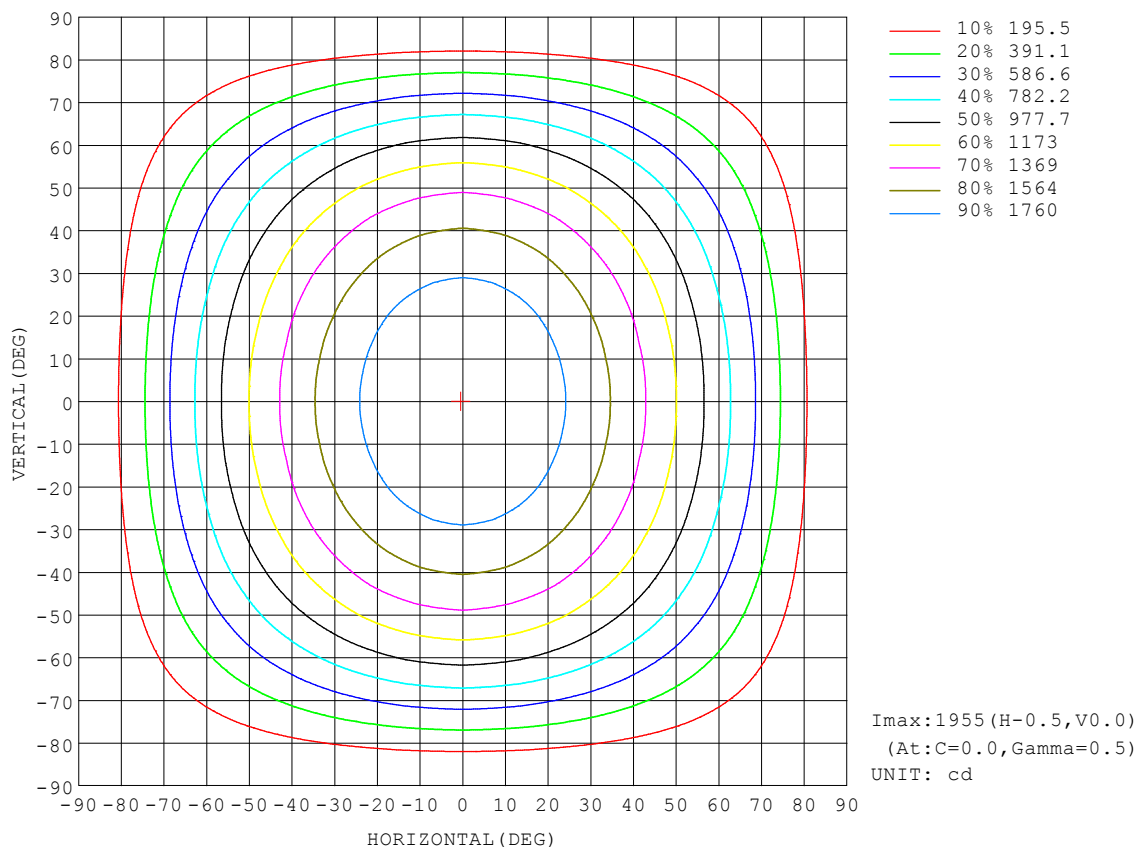
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	37	31
0.80	67	55	47	66	54	47	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_100%_2700K

ISOCANDELA DIAGRAM

Test:U:120.01V I:0.4347A P:51.894W PF:0.9947 Freq:60.01Hz Lamp Flux:5932.83x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

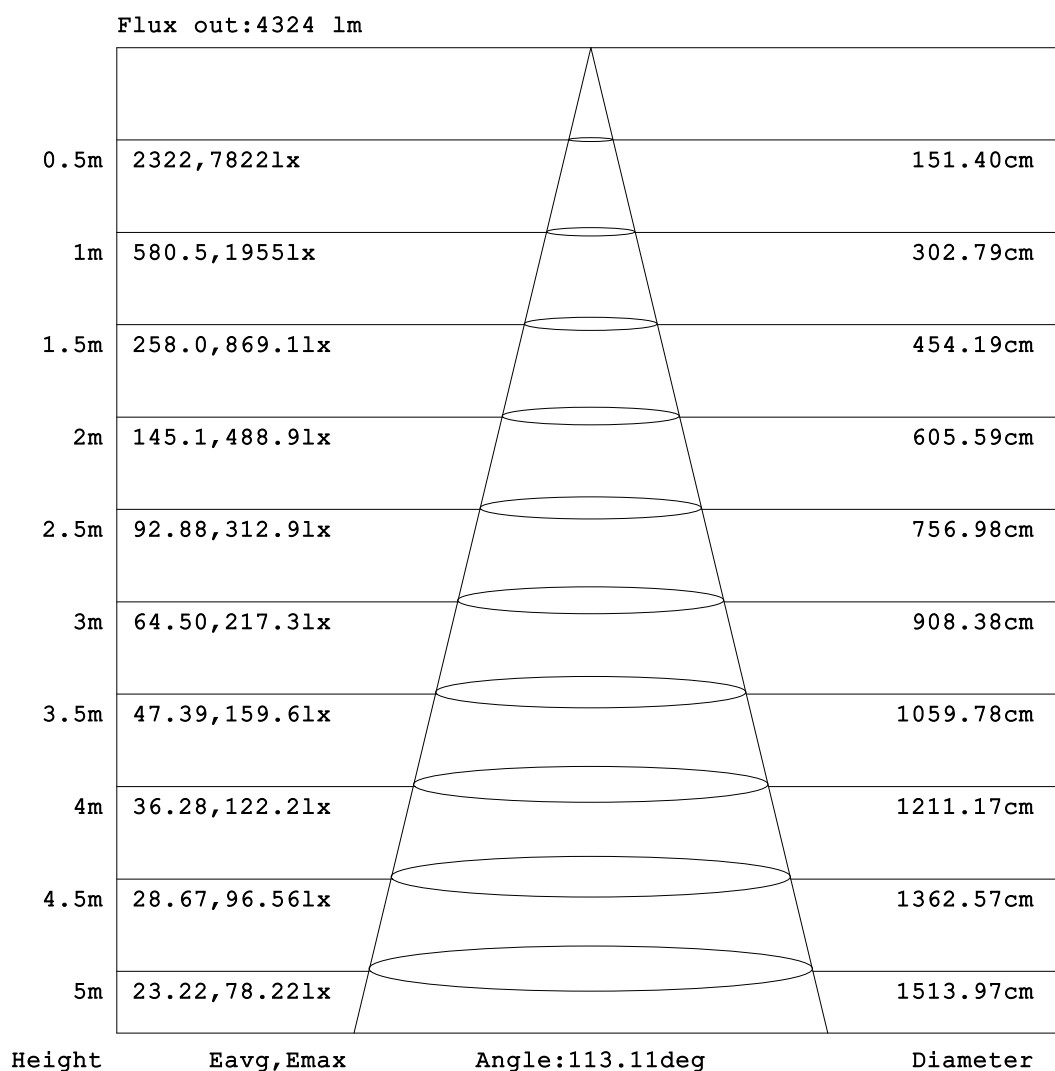


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

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_100%_270

AAI Figure

Test:U:120.01V I:0.4347A P:51.894W PF:0.9947 Freq:60.01Hz Lamp Flux:5932.83x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



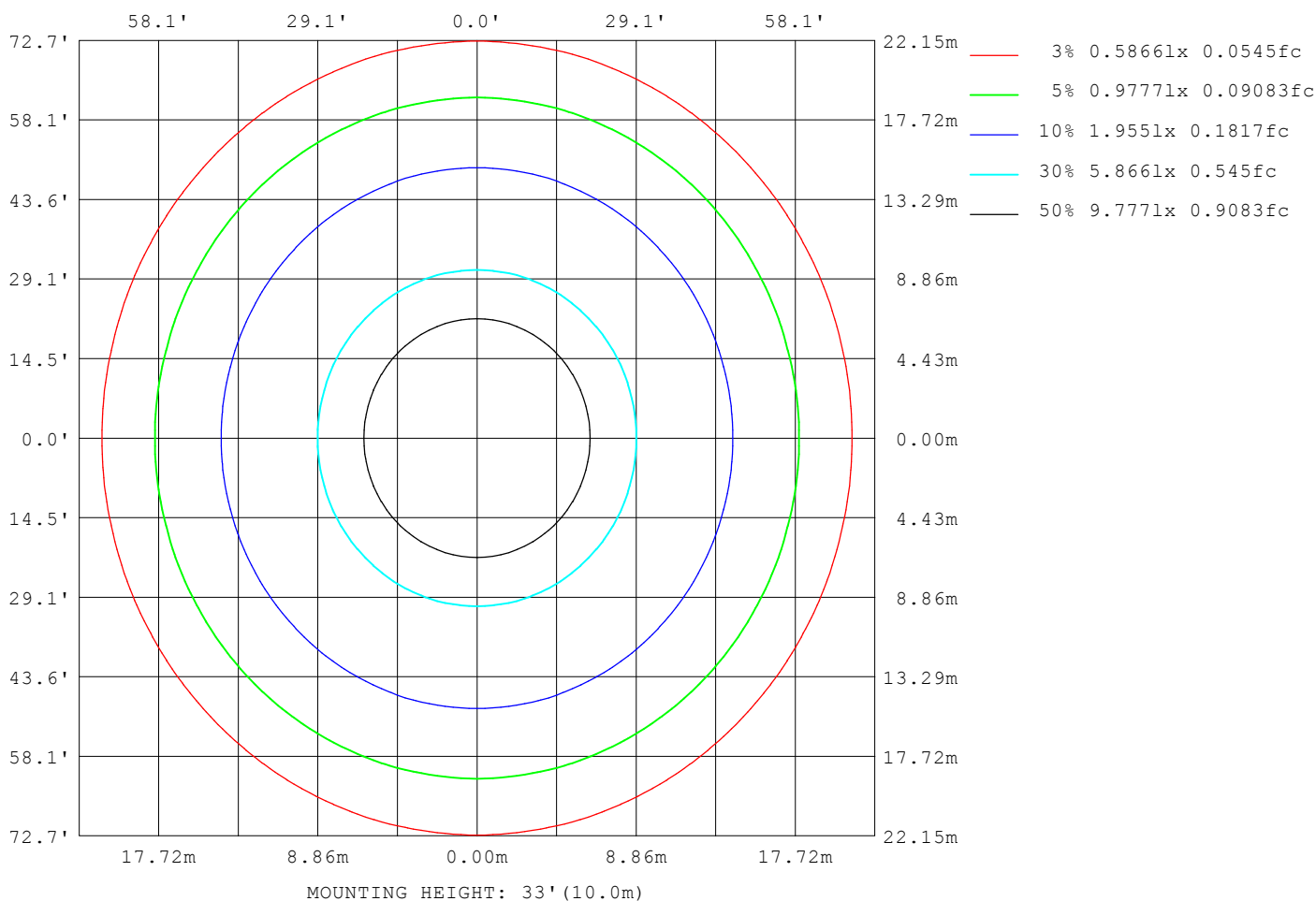
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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_100%_2700K

ISOLUX DIAGRAM

Test:U:120.01V I:0.4347A P:51.894W PF:0.9947 Freq:60.01Hz Lamp Flux:5932.83x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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_100%_270

LED Avg.L Report

Test:U:120.01V I:0.4347A P:51.894W PF:0.9947 Freq:60.01Hz Lamp Flux:5932.83x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

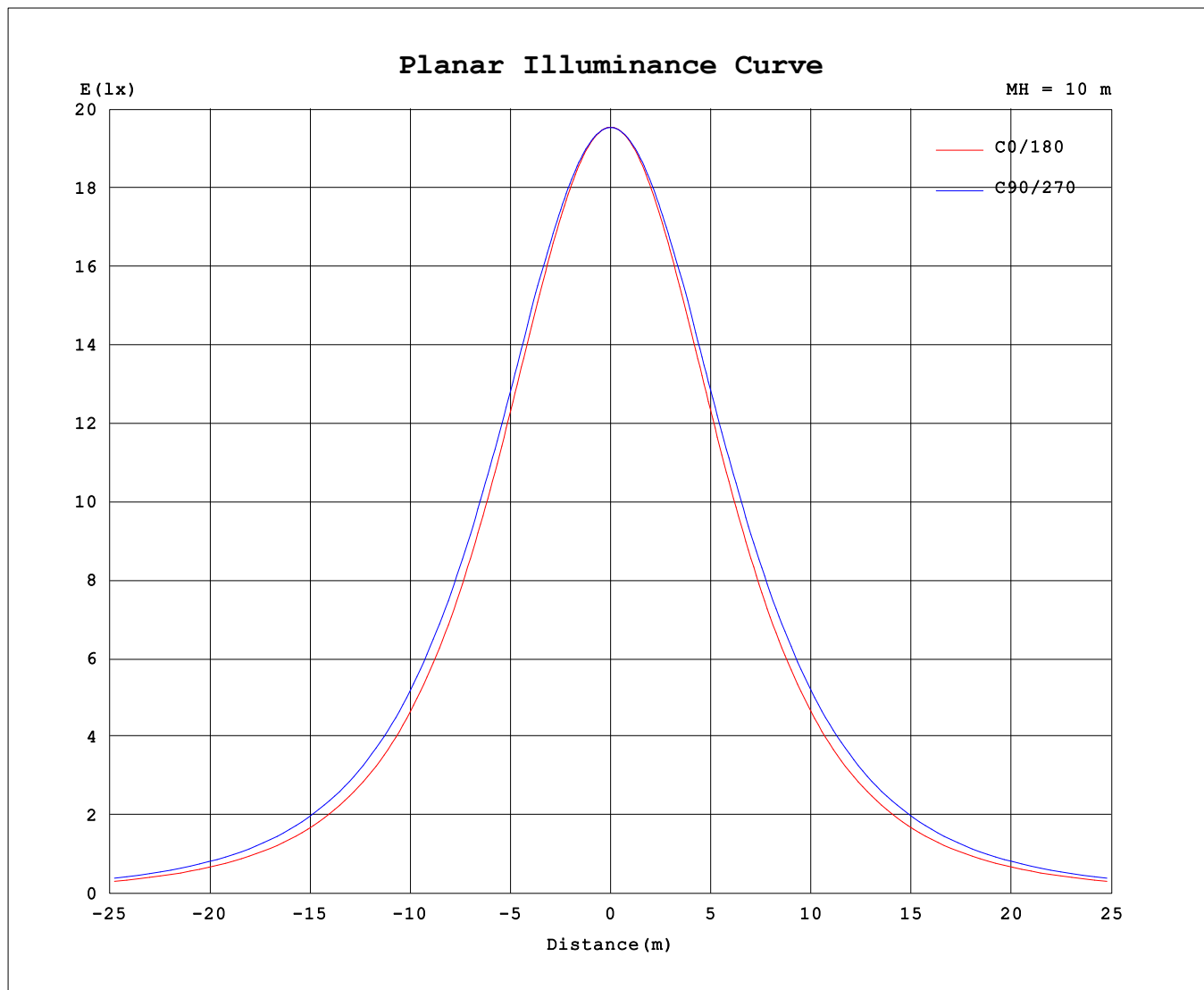
AvgL	cd/m2
L_0~180 (65) av	14062
L_0~180 (75) av	12114
L_0~180 (85) av	7303
L_90~270 (65) av	17197
L_90~270 (75) av	15333
L_90~270 (85) av	9119
L_45 (65) av	15447
L_45 (75) av	13479
L_45 (85) av	8125

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%_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_100%_270

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.01V I:0.4347A P:51.894W PF:0.9947 Freq:60.01Hz Lamp Flux:5932.83x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	1955	1955	1955	1955	1955	1955	1954	1955	1955	1955	1955	1955	1955	1955	1955	1955	1955	1955	1954
5	1947	1946	1947	1947	1948	1949	1949	1949	1948	1947	1947	1946	1947	1946	1947	1947	1948	1949	1949
10	1921	1921	1923	1926	1929	1931	1932	1931	1929	1926	1923	1921	1921	1921	1923	1926	1929	1931	1932
15	1879	1879	1884	1891	1897	1902	1904	1902	1897	1891	1884	1879	1879	1879	1884	1891	1897	1902	1904
20	1819	1821	1830	1841	1852	1865	1869	1865	1852	1841	1830	1821	1819	1821	1830	1841	1852	1865	1869
25	1746	1749	1760	1777	1799	1807	1811	1807	1799	1777	1760	1749	1746	1749	1760	1777	1799	1807	1811
30	1655	1661	1677	1705	1722	1739	1745	1739	1722	1705	1677	1661	1655	1661	1677	1705	1722	1739	1745
35	1555	1560	1579	1608	1636	1660	1666	1660	1636	1608	1579	1560	1555	1560	1579	1608	1636	1660	1666
40	1438	1446	1470	1501	1536	1564	1574	1564	1536	1501	1470	1446	1438	1446	1470	1501	1536	1564	1574
45	1312	1320	1348	1384	1422	1453	1464	1453	1422	1384	1348	1320	1312	1320	1348	1384	1422	1453	1464
50	1174	1183	1210	1253	1292	1327	1344	1327	1292	1253	1210	1183	1174	1183	1210	1253	1292	1327	1344
55	1026	1035	1063	1104	1152	1183	1201	1183	1152	1104	1063	1035	1026	1035	1063	1104	1152	1183	1201
60	871	879	907	945	989	1024	1040	1024	989	945	907	879	871	879	907	945	989	1024	1040
65	705	715	741	775	816	853	863	853	816	775	741	715	705	715	741	775	816	853	863
70	541	545	565	596	631	660	672	660	631	596	565	545	541	545	565	596	631	660	672
75	372	377	392	414	440	462	471	462	440	414	392	377	372	377	392	414	440	462	471
80	215	216	225	238	253	266	272	266	253	238	225	216	215	216	225	238	253	266	272
85	75.6	76.8	79.8	84.1	88.9	92.8	94.3	92.8	88.9	84.1	79.8	76.8	75.6	76.8	79.8	84.1	88.9	92.8	94.3
90	3.53	2.96	2.80	3.61	2.93	2.86	2.59	2.86	2.93	3.61	2.80	2.96	3.53	2.96	2.80	3.61	2.93	2.86	2.59
95	0.81	0.79	0.75	0.69	0.55	0.32	0.27	0.32	0.55	0.69	0.75	0.79	0.81	0.79	0.75	0.69	0.55	0.32	0.27
100	1.01	0.97	0.94	0.85	0.77	0.53	0.45	0.53	0.77	0.85	0.94	0.97	1.01	0.97	0.94	0.85	0.77	0.53	0.45
105	1.13	1.08	1.07	1.04	0.93	0.67	0.57	0.67	0.93	1.04	1.07	1.08	1.13	1.08	1.07	1.04	0.93	0.67	0.57
110	1.23	1.25	1.22	1.17	1.07	0.80	0.69	0.80	1.07	1.17	1.22	1.25	1.23	1.25	1.22	1.17	1.07	0.80	0.69
115	1.41	1.41	1.37	1.31	1.20	0.94	0.78	0.94	1.20	1.31	1.37	1.41	1.41	1.41	1.37	1.31	1.20	0.94	0.78
120	1.55	1.56	1.52	1.45	1.32	1.07	0.92	1.07	1.32	1.45	1.52	1.56	1.55	1.56	1.52	1.45	1.32	1.07	0.92
125	1.68	1.71	1.67	1.57	1.46	1.27	1.10	1.27	1.46	1.57	1.67	1.71	1.68	1.71	1.67	1.57	1.46	1.27	1.10
130	1.97	2.03	1.94	1.83	1.75	1.52	1.39	1.52	1.75	1.83	1.94	2.03	1.97	2.03	1.94	1.83	1.75	1.52	1.39
135	2.33	2.37	2.24	2.16	2.07	1.83	1.73	1.83	2.07	2.16	2.24	2.37	2.33	2.37	2.24	2.16	2.07	1.83	1.73
140	2.81	2.82	2.70	2.61	2.48	2.24	2.17	2.24	2.48	2.61	2.70	2.82	2.81	2.82	2.70	2.61	2.48	2.24	2.17
145	3.34	3.31	3.27	3.08	2.87	2.68	2.62	2.68	2.87	3.08	3.27	3.31	3.34	3.31	3.27	3.08	2.87	2.68	2.62
150	3.82	3.74	3.64	3.45	3.19	3.07	3.03	3.07	3.19	3.45	3.64	3.74	3.82	3.74	3.64	3.45	3.19	3.07	3.03
155	4.08	3.98	3.84	3.68	3.38	3.33	3.30	3.33	3.38	3.68	3.84	3.98	4.08	3.98	3.84	3.68	3.38	3.33	3.30
160	4.10	4.02	3.83	3.62	3.52	3.43	3.40	3.43	3.52	3.62	3.83	4.02	4.10	4.02	3.83	3.62	3.52	3.43	3.40
165	3.97	3.90	3.73	3.58	3.49	3.45	3.43	3.45	3.49	3.58	3.73	3.90	3.97	3.90	3.73	3.58	3.49	3.45	3.43
170	3.88	3.85	3.73	3.61	3.53	3.50	3.49	3.50	3.53	3.61	3.73	3.85	3.88	3.85	3.73	3.61	3.53	3.50	3.49
175	3.82	3.83	3.73	3.64	3.57	3.53	3.51	3.53	3.57	3.64	3.73	3.83	3.82	3.83	3.73	3.64	3.57	3.53	3.51
180	3.99	3.90	3.77	3.69	3.62	3.57	3.55	3.57	3.62	3.69	3.77	3.90	3.99	3.90	3.77	3.69	3.62	3.57	3.55

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%_270

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.01V I:0.4347A P:51.894W PF:0.9947 Freq:60.01Hz Lamp Flux:5932.83x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	1955	1955	1955	1955	1955													
5	1949	1948	1947	1947	1946													
10	1931	1929	1926	1923	1921													
15	1902	1897	1891	1884	1879													
20	1865	1852	1841	1830	1821													
25	1807	1799	1777	1760	1749													
30	1739	1722	1705	1677	1661													
35	1660	1636	1608	1579	1560													
40	1564	1536	1501	1470	1446													
45	1453	1422	1384	1348	1320													
50	1327	1292	1253	1210	1183													
55	1183	1152	1104	1063	1035													
60	1024	989	945	907	879													
65	853	816	775	741	715													
70	660	631	596	565	545													
75	462	440	414	392	377													
80	266	253	238	225	216													
85	92.8	88.9	84.1	79.8	76.8													
90	2.86	2.93	3.61	2.80	2.96													
95	0.32	0.55	0.69	0.75	0.79													
100	0.53	0.77	0.85	0.94	0.97													
105	0.67	0.93	1.04	1.07	1.08													
110	0.80	1.07	1.17	1.22	1.25													
115	0.94	1.20	1.31	1.37	1.41													
120	1.07	1.32	1.45	1.52	1.56													
125	1.27	1.46	1.57	1.67	1.71													
130	1.52	1.75	1.83	1.94	2.03													
135	1.83	2.07	2.16	2.24	2.37													
140	2.24	2.48	2.61	2.70	2.82													
145	2.68	2.87	3.08	3.27	3.31													
150	3.07	3.19	3.45	3.64	3.74													
155	3.33	3.38	3.68	3.84	3.98													
160	3.43	3.52	3.62	3.83	4.02													
165	3.45	3.49	3.58	3.73	3.90													
170	3.50	3.53	3.61	3.73	3.85													
175	3.53	3.57	3.64	3.73	3.83													
180	3.57	3.62	3.69	3.77	3.90													

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%_2700K