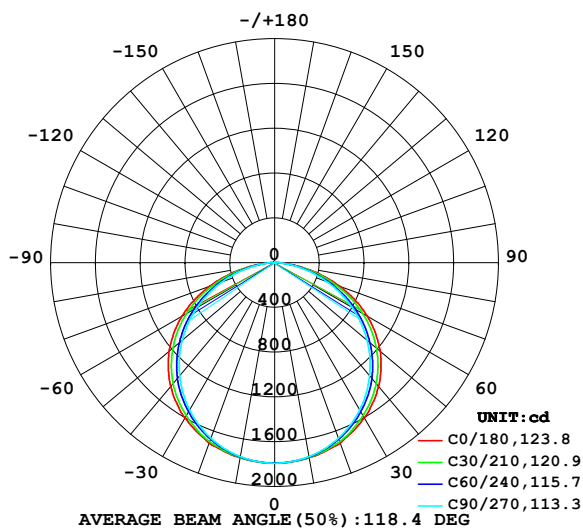


LUMINAIRE PHOTOMETRIC TEST REPORT

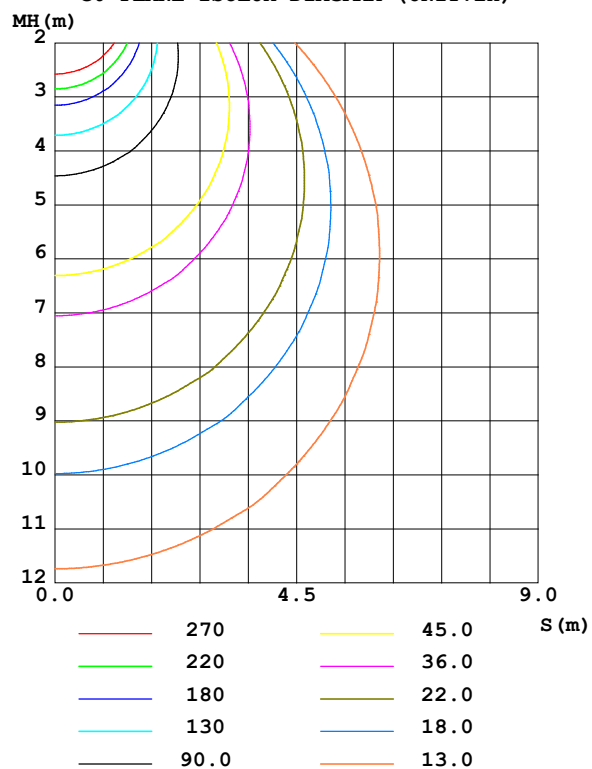
Test:U:120.06V I:0.4108A P:49.117W PF:0.9960 Freq:60.01Hz Lamp Flux:5448.45x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 110.93 lm/W
MODEL		I _{max} (cd)	1792	S/MH(C0/180)	1.33	
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.26	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5448.5	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	5448.45	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)	120.04	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:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

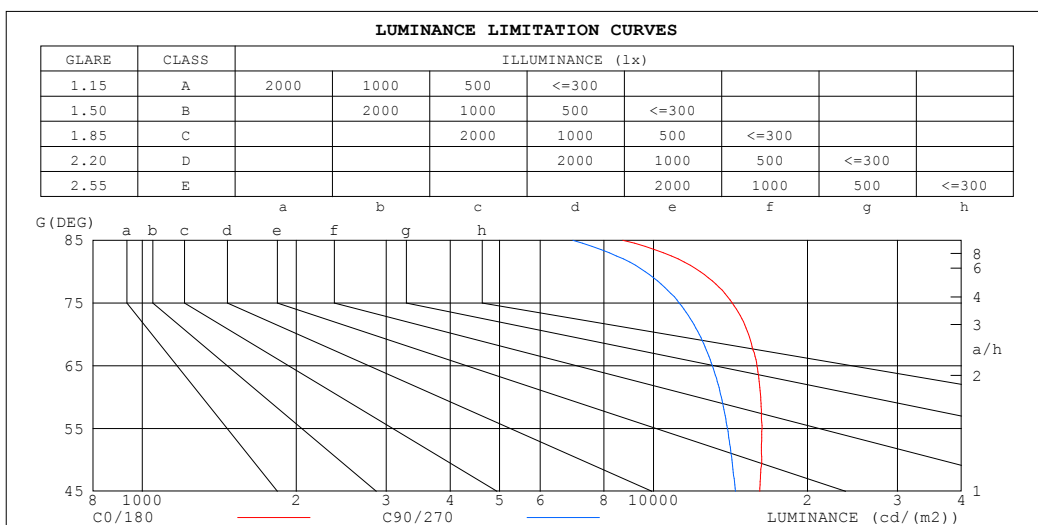
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1771	1765	1760	1765	1771	1765	1760	1765	0- 10	169.7	169.7	3.11,3.11
20	1716	1687	1668	1687	1716	1687	1668	1687	10- 20	489.5	659.2	12.1,12.1
30	1601	1561	1520	1561	1601	1561	1520	1561	20- 30	751.9	1411	25.9,25.9
40	1444	1379	1320	1379	1444	1379	1320	1379	30- 40	924.0	2335	42.9,42.9
50	1233	1149	1078	1149	1233	1149	1078	1149	40- 50	980.8	3316	60.9,60.9
60	954.3	869.4	799.4	869.4	954.3	869.4	799.4	869.4	50- 60	908.5	4224	77.5,77.5
70	618.0	549.1	495.0	549.1	618.0	549.1	495.0	549.1	60- 70	707.8	4932	90.5,90.5
80	252.5	220.2	197.0	220.2	252.5	220.2	197.0	220.2	70- 80	406.9	5339	98,98
90	1.810	2.690	2.681	2.690	1.810	2.690	2.681	2.690	80- 90	98.82	5438	99.8,99.8
100	0.4725	0.8030	0.9147	0.8030	0.4725	0.8030	0.9147	0.8030	90-100	0.7422	5439	99.8,99.8
110	0.6933	1.145	1.181	1.145	0.6933	1.145	1.181	1.145	100-110	0.9780	5440	99.8,99.8
120	0.8808	1.381	1.446	1.381	0.8808	1.381	1.446	1.381	110-120	1.173	5441	99.9,99.9
130	1.304	1.699	1.824	1.699	1.304	1.699	1.824	1.699	120-130	1.290	5442	99.9,99.9
140	2.034	2.453	2.650	2.453	2.034	2.453	2.650	2.453	130-140	1.547	5444	99.9,99.9
150	2.850	3.270	3.599	3.270	2.850	3.270	3.599	3.270	140-150	1.773	5446	99.9,99.9
160	3.212	3.517	3.989	3.517	3.212	3.517	3.989	3.517	150-160	1.593	5447	100,100
170	3.333	3.524	3.809	3.524	3.333	3.524	3.809	3.524	160-170	1.013	5448	100,100
180	3.376	3.539	3.783	3.539	3.376	3.539	3.783	3.539	170-180	0.3384	5448	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

LUMINANCE LIMITATION CURVES

Test:U:120.06V I:0.4108A P:49.117W PF:0.9960 Freq:60.01Hz Lamp Flux:5448.45x1 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	8711	6948
80	12344	9627
75	14259	11223
70	15338	12285
65	15935	13029
60	16200	13572
55	16291	13948
50	16288	14234
45	16128	14457

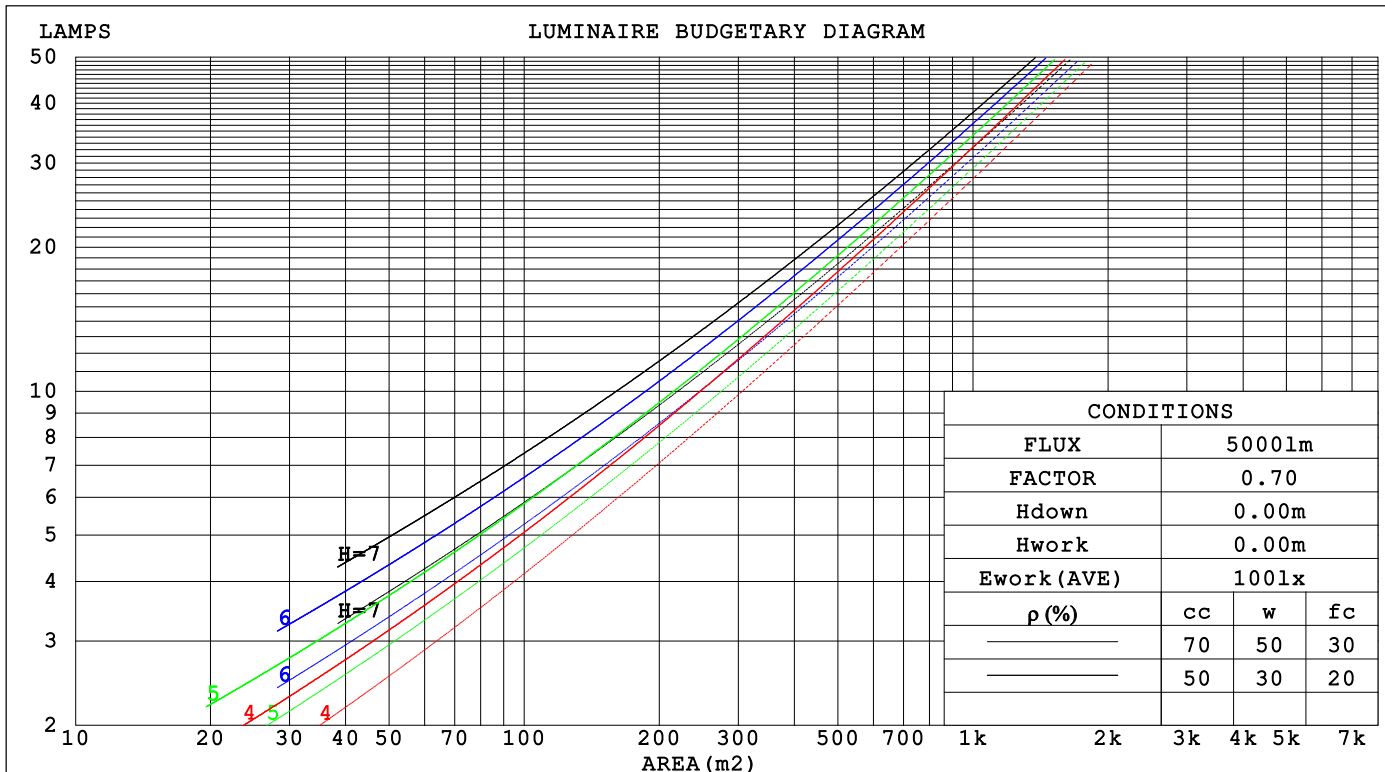
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.2°C
Operators: Alan Wang
Test Date: 2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 48.4%
Test Distance: 1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.06V I:0.4108A P:49.117W PF:0.9960 Freq:60.01Hz Lamp Flux:5448.45x1 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	.57
4.0	.69	.61	.54	.68	.60	.53	.66	.58	.52	.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	.27	.26
10.0	.39	.31	.25	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



WEC AND CCEC

Test:U:120.06V I:0.4108A P:49.117W PF:0.9960 Freq:60.01Hz Lamp Flux:5448.45x1 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	.179	.057	.307	.175	.056	.294	.169	.054	.282	.162	.052	.270	.157	.050		
2.0	.296	.162	.050	.290	.160	.049	.278	.155	.048	.267	.150	.047	.257	.145	.046		
3.0	.274	.146	.044	.269	.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	.185	.091	.026	.179	.089	.025	.173	.088	.025	.168	.086	.025		
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.023	.163	.082	.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	.052	.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	.119	.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	.027	.108	.058	.023	.075	.040	.016	.044	.024	.010	.014	.008	.003		
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.009	.014	.007	.003		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

UGR(Unified Glare Rating) Table

Test:U:120.06V I:0.4108A P:49.117W PF:0.9960 Freq:60.01Hz Lamp Flux:5448.45x1 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	22.8	24.3	23.1	24.5	24.7	22.0	23.5	22.3	23.7	24.0
3H	24.5	25.9	24.8	26.1	26.4	23.5	24.9	23.8	25.1	25.4
4H	25.2	26.5	25.5	26.8	27.0	24.1	25.4	24.4	25.7	25.9
6H	25.6	26.9	25.9	27.2	27.4	24.4	25.7	24.8	26.0	26.3
8H	25.7	27.0	26.1	27.3	27.6	24.5	25.8	24.9	26.1	26.4
12H	25.8	27.0	26.1	27.3	27.6	24.6	25.8	24.9	26.1	26.4
4H 2H	23.3	24.7	23.6	24.9	25.2	22.7	24.1	23.0	24.3	24.6
3H	25.2	26.4	25.6	26.7	27.0	24.4	25.6	24.7	25.9	26.2
4H	26.0	27.1	26.4	27.4	27.8	25.1	26.1	25.4	26.5	26.8
6H	26.6	27.6	27.0	27.9	28.3	25.6	26.5	26.0	26.9	27.2
8H	26.8	27.7	27.2	28.0	28.4	25.7	26.6	26.1	27.0	27.4
12H	26.9	27.7	27.3	28.1	28.5	25.8	26.6	26.2	27.0	27.4
8H 4H	26.2	27.1	26.6	27.5	27.9	25.4	26.3	25.8	26.7	27.0
6H	26.9	27.7	27.4	28.1	28.5	26.0	26.8	26.5	27.2	27.6
8H	27.2	27.9	27.7	28.3	28.7	26.2	26.9	26.7	27.3	27.8
12H	27.4	27.9	27.8	28.4	28.9	26.4	26.9	26.8	27.4	27.9
12H 4H	26.2	27.0	26.7	27.4	27.8	25.4	26.2	25.8	26.6	27.0
6H	27.0	27.6	27.4	28.1	28.5	26.1	26.7	26.5	27.2	27.6
8H	27.3	27.8	27.7	28.3	28.8	26.3	26.9	26.8	27.3	27.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 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, 5448 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.9)
Area: 0.11781 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

UTILIZATION FACTORS TABLE

Test:U:120.06V I:0.4108A P:49.117W PF:0.9960 Freq:60.01Hz Lamp Flux:5448.45x1 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:

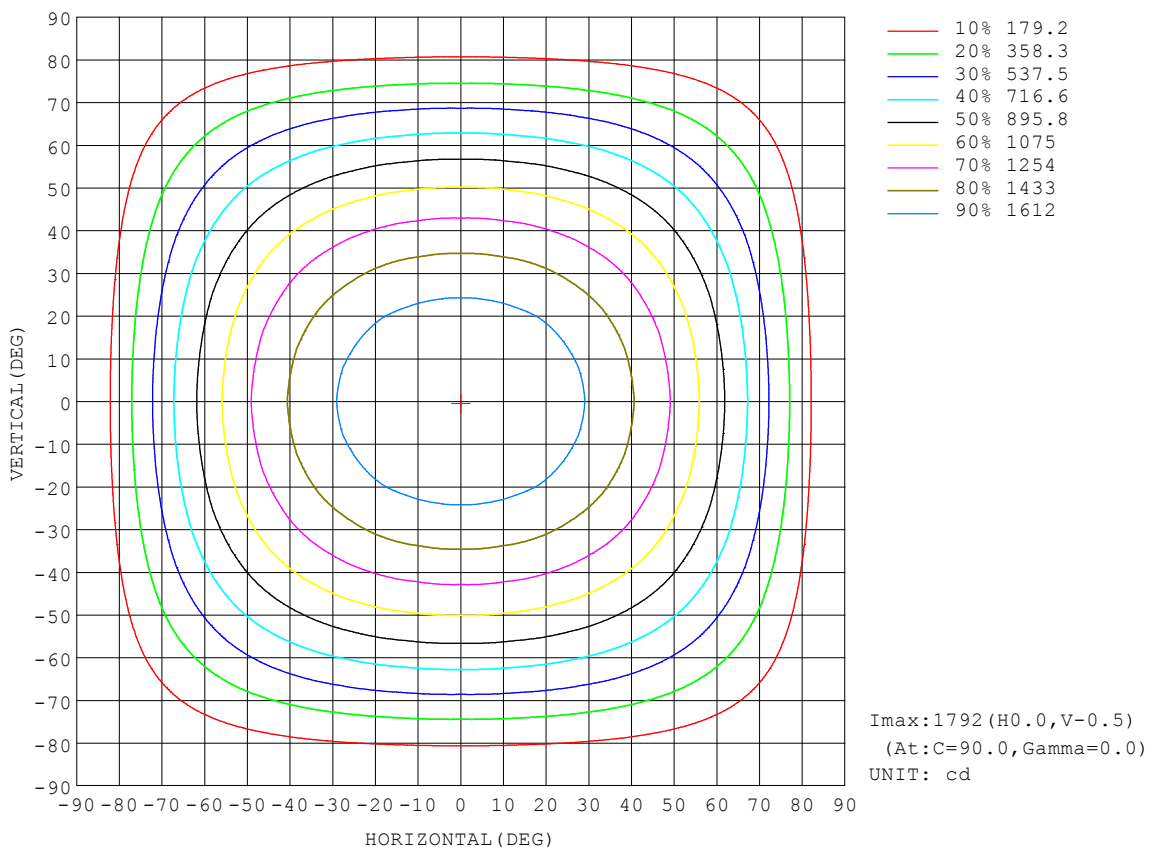
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	56	44	38	55	44	37	31
0.80	67	55	47	66	54	47	64	53	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	68	61
2.00	94	86	79	92	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	103	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: 25.2°C
Operators: Alan Wang
Test Date: 2026-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 48.4%
Test Distance: 1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

ISOCANDELA DIAGRAM

Test:U:120.06V I:0.4108A P:49.117W PF:0.9960 Freq:60.01Hz Lamp Flux:5448.45x1 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:

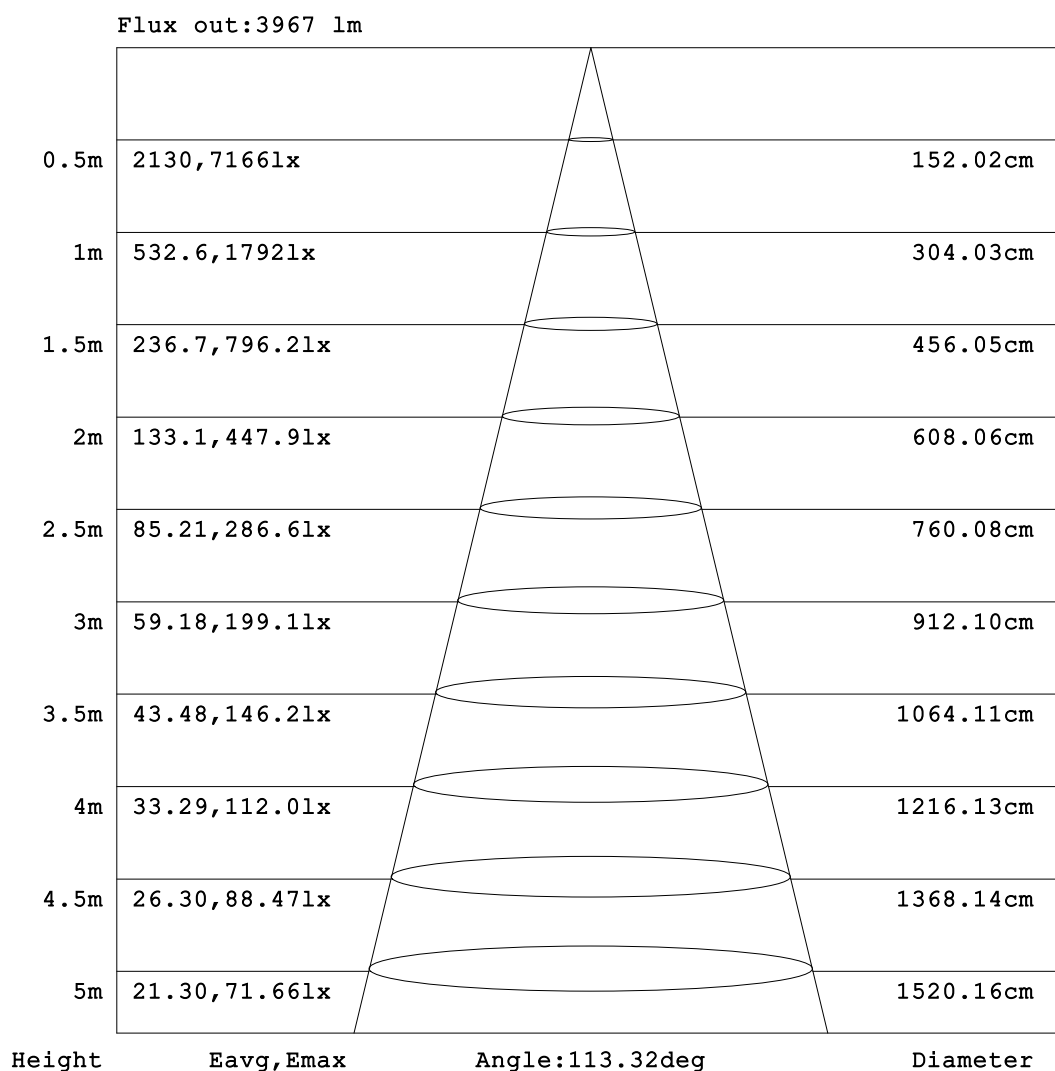


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

AAI Figure

Test:U:120.06V I:0.4108A P:49.117W PF:0.9960 Freq:60.01Hz Lamp Flux:5448.45x1 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:



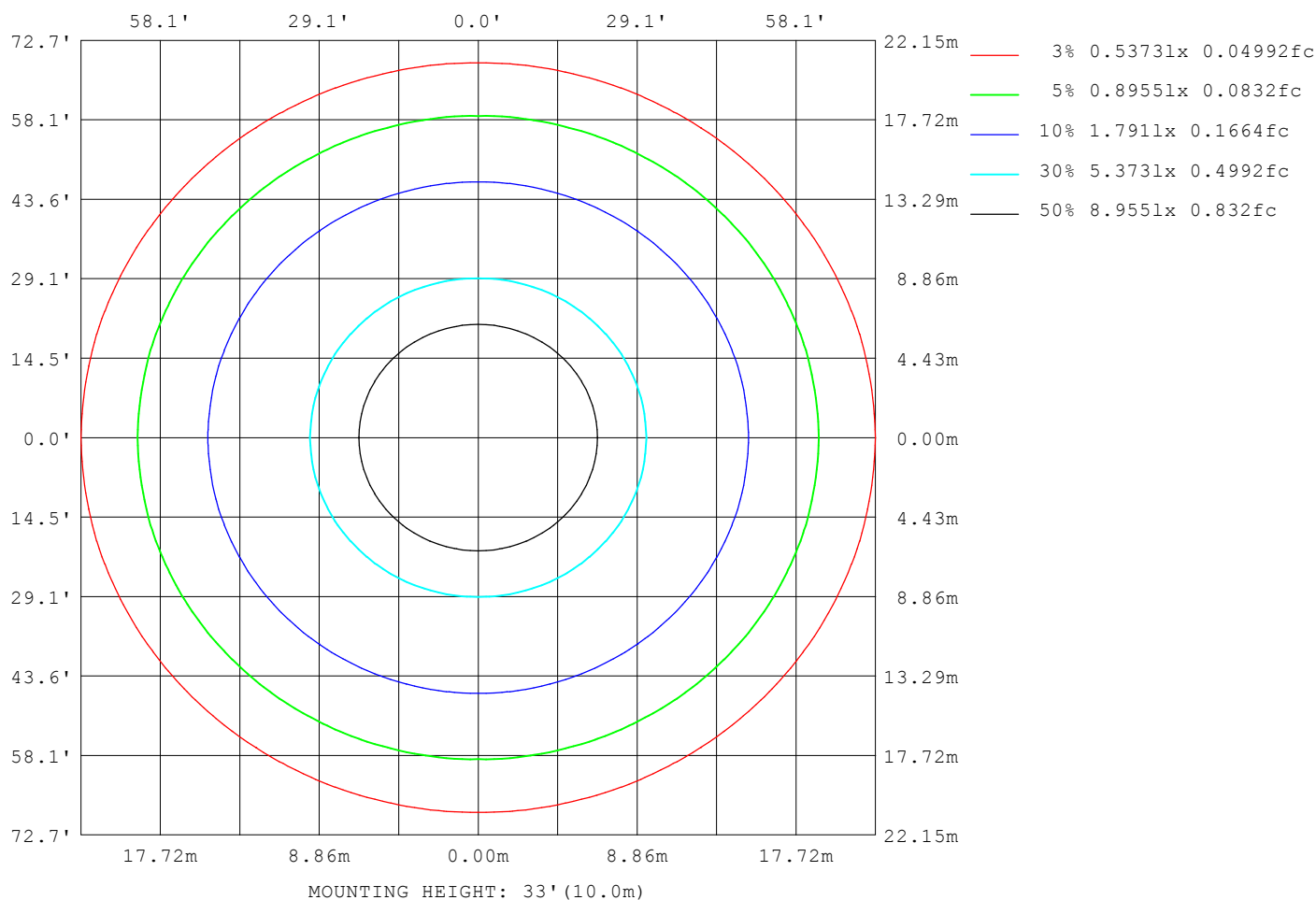
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

ISOLUX DIAGRAM

Test:U:120.06V I:0.4108A P:49.117W PF:0.9960 Freq:60.01Hz Lamp Flux:5448.45x1 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:25.2°C
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

LED Avg.L Report

Test:U:120.06V I:0.4108A P:49.117W PF:0.9960 Freq:60.01Hz Lamp Flux:5448.45x1 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:

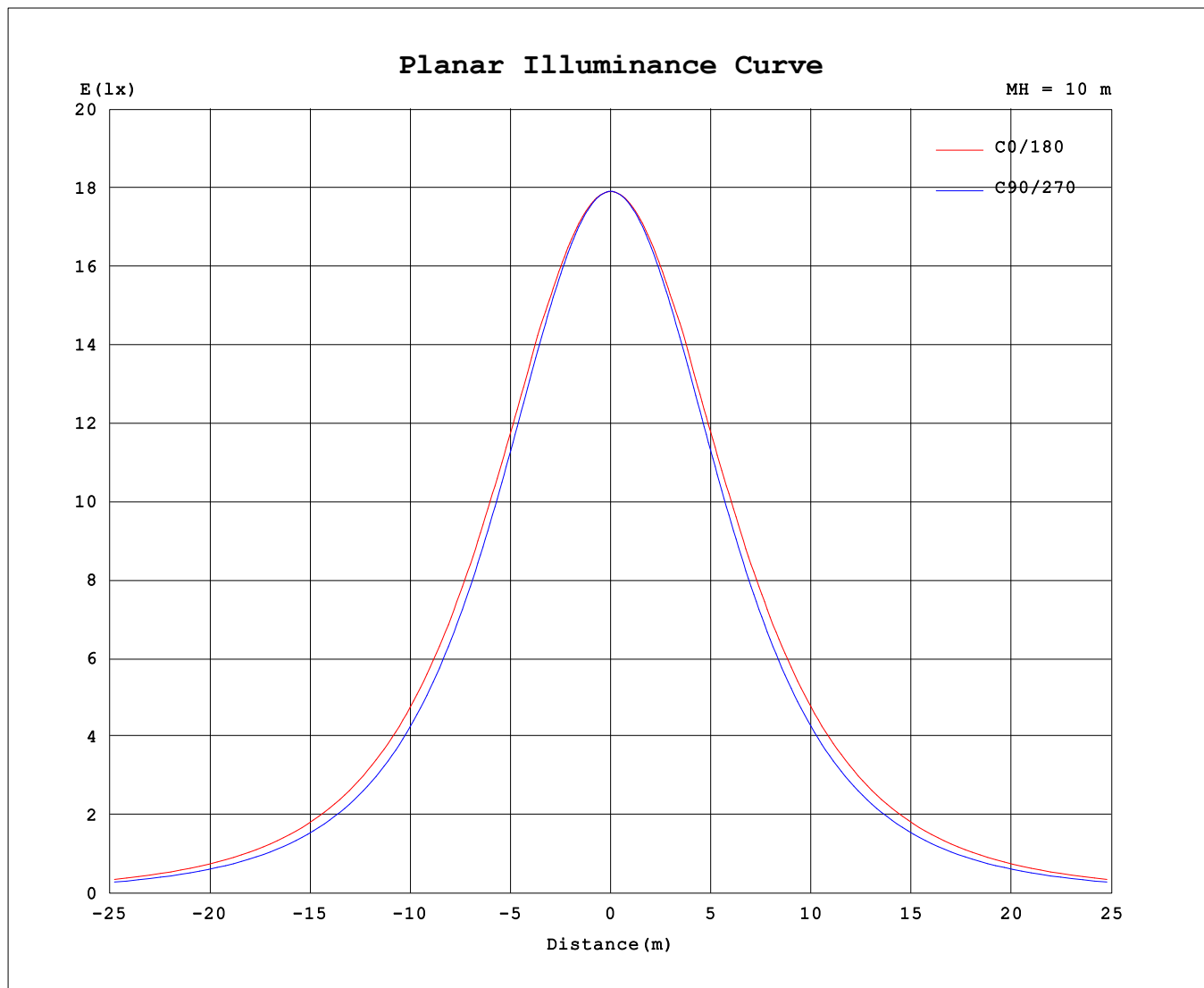
AvgL	cd/m2
L_0~180 (65) av	15935
L_0~180 (75) av	14259
L_0~180 (85) av	8711
L_90~270 (65) av	13029
L_90~270 (75) av	11223
L_90~270 (85) av	6948
L_45 (65) av	14309
L_45 (75) av	12515
L_45 (85) av	7711

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
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Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.2°C
Operators: Alan Wang
Test Date: 2026-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 48.4%
Test Distance: 1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.06V I:0.4108A P:49.117W PF:0.9960 Freq:60.01Hz Lamp Flux:5448.45x1 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	1791	1790	1790	1791	1791	1792	1792	1792	1791	1791	1790	1790	1791	1790	1790	1791	1791	1792	1792
5	1786	1784	1784	1784	1784	1784	1784	1784	1784	1784	1784	1784	1786	1784	1784	1784	1784	1784	1784
10	1771	1769	1767	1765	1762	1761	1760	1761	1762	1765	1767	1769	1771	1769	1767	1765	1762	1761	1760
15	1745	1742	1738	1733	1727	1723	1722	1723	1727	1733	1738	1742	1745	1742	1738	1733	1727	1723	1722
20	1716	1709	1701	1687	1678	1671	1668	1671	1678	1687	1701	1709	1716	1709	1701	1687	1678	1671	1668
25	1660	1654	1646	1633	1615	1604	1601	1604	1615	1633	1646	1654	1660	1654	1646	1633	1615	1604	1601
30	1601	1595	1578	1561	1538	1525	1520	1525	1538	1561	1578	1595	1601	1595	1578	1561	1538	1525	1520
35	1529	1521	1502	1475	1452	1432	1426	1432	1452	1475	1502	1521	1529	1521	1502	1475	1452	1432	1426
40	1444	1434	1411	1379	1352	1328	1320	1328	1352	1379	1411	1434	1444	1434	1411	1379	1352	1328	1320
45	1344	1332	1306	1269	1236	1213	1204	1213	1236	1269	1306	1332	1344	1332	1306	1269	1236	1213	1204
50	1233	1218	1186	1149	1111	1087	1078	1087	1111	1149	1186	1218	1233	1218	1186	1149	1111	1087	1078
55	1101	1087	1055	1014	977	951	942	951	977	1014	1055	1087	1101	1087	1055	1014	977	951	942
60	954	941	909	869	832	808	799	808	832	869	909	941	954	941	909	869	832	808	799
65	793	781	750	712	679	656	649	656	679	712	750	781	793	781	750	712	679	656	649
70	618	608	581	549	520	502	495	502	520	549	581	608	618	608	581	549	520	502	495
75	435	427	406	382	361	347	342	347	361	382	406	427	435	427	406	382	361	347	342
80	253	248	235	220	208	199	197	199	208	220	235	248	253	248	235	220	208	199	197
85	89.4	89.2	84.4	79.2	74.6	72.3	71.3	72.3	74.6	79.2	84.4	89.2	89.4	89.2	84.4	79.2	74.6	72.3	71.3
90	1.81	2.96	3.11	2.69	2.37	2.51	2.68	2.51	2.37	2.69	3.11	2.96	1.81	2.96	3.11	2.69	2.37	2.51	2.68
95	0.27	0.30	0.51	0.63	0.67	0.68	0.71	0.68	0.67	0.63	0.51	0.30	0.27	0.30	0.51	0.63	0.67	0.68	0.71
100	0.47	0.55	0.76	0.80	0.86	0.87	0.91	0.87	0.86	0.80	0.76	0.55	0.47	0.55	0.76	0.80	0.86	0.87	0.91
105	0.59	0.70	0.95	1.02	1.04	1.03	1.07	1.03	1.04	1.02	0.95	0.70	0.59	0.70	0.95	1.02	1.04	1.03	1.07
110	0.69	0.83	1.08	1.14	1.18	1.19	1.18	1.19	1.18	1.14	1.08	0.83	0.69	0.83	1.08	1.14	1.18	1.19	1.18
115	0.76	0.96	1.20	1.27	1.32	1.34	1.33	1.34	1.32	1.27	1.20	0.96	0.76	0.96	1.20	1.27	1.32	1.34	1.33
120	0.88	1.04	1.28	1.38	1.43	1.45	1.45	1.45	1.43	1.38	1.28	1.04	0.88	1.04	1.28	1.38	1.43	1.45	1.45
125	1.04	1.24	1.38	1.46	1.55	1.59	1.55	1.59	1.55	1.46	1.38	1.24	1.04	1.24	1.38	1.46	1.55	1.59	1.55
130	1.30	1.49	1.64	1.70	1.79	1.86	1.82	1.86	1.79	1.70	1.64	1.49	1.30	1.49	1.64	1.70	1.79	1.86	1.82
135	1.62	1.76	1.95	2.01	2.09	2.19	2.18	2.19	2.09	2.01	1.95	1.76	1.62	1.76	1.95	2.01	2.09	2.19	2.18
140	2.03	2.14	2.37	2.45	2.52	2.62	2.65	2.62	2.52	2.45	2.37	2.14	2.03	2.14	2.37	2.45	2.52	2.62	2.65
145	2.48	2.55	2.77	2.91	3.03	3.11	3.17	3.11	3.03	2.91	2.77	2.55	2.48	2.55	2.77	2.91	3.03	3.11	3.17
150	2.85	2.88	3.07	3.27	3.43	3.52	3.60	3.52	3.43	3.27	3.07	2.88	2.85	2.88	3.07	3.27	3.43	3.52	3.60
155	3.10	3.14	3.27	3.49	3.68	3.79	3.90	3.79	3.68	3.49	3.27	3.14	3.10	3.14	3.27	3.49	3.68	3.79	3.90
160	3.21	3.26	3.36	3.52	3.74	3.91	3.99	3.91	3.74	3.52	3.36	3.26	3.21	3.26	3.36	3.52	3.74	3.91	3.99
165	3.27	3.33	3.39	3.53	3.70	3.87	3.91	3.87	3.70	3.53	3.39	3.33	3.27	3.33	3.39	3.53	3.70	3.87	3.91
170	3.33	3.38	3.43	3.52	3.66	3.77	3.81	3.77	3.66	3.52	3.43	3.38	3.33	3.38	3.43	3.52	3.66	3.77	3.81
175	3.33	3.39	3.44	3.52	3.62	3.70	3.71	3.70	3.62	3.52	3.44	3.39	3.33	3.39	3.44	3.52	3.62	3.70	3.71
180	3.38	3.42	3.48	3.54	3.62	3.73	3.78	3.73	3.62	3.54	3.48	3.42	3.38	3.42	3.48	3.54	3.62	3.73	3.78

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.06V I:0.4108A P:49.117W PF:0.9960 Freq:60.01Hz Lamp Flux:5448.45x1 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	1792	1791	1791	1790	1790													
5	1784	1784	1784	1784	1784													
10	1761	1762	1765	1767	1769													
15	1723	1727	1733	1738	1742													
20	1671	1678	1687	1701	1709													
25	1604	1615	1633	1646	1654													
30	1525	1538	1561	1578	1595													
35	1432	1452	1475	1502	1521													
40	1328	1352	1379	1411	1434													
45	1213	1236	1269	1306	1332													
50	1087	1111	1149	1186	1218													
55	951	977	1014	1055	1087													
60	808	832	869	909	941													
65	656	679	712	750	781													
70	502	520	549	581	608													
75	347	361	382	406	427													
80	199	208	220	235	248													
85	72.3	74.6	79.2	84.4	89.2													
90	2.51	2.37	2.69	3.11	2.96													
95	0.68	0.67	0.63	0.51	0.30													
100	0.87	0.86	0.80	0.76	0.55													
105	1.03	1.04	1.02	0.95	0.70													
110	1.19	1.18	1.14	1.08	0.83													
115	1.34	1.32	1.27	1.20	0.96													
120	1.45	1.43	1.38	1.28	1.04													
125	1.59	1.55	1.46	1.38	1.24													
130	1.86	1.79	1.70	1.64	1.49													
135	2.19	2.09	2.01	1.95	1.76													
140	2.62	2.52	2.45	2.37	2.14													
145	3.11	3.03	2.91	2.77	2.55													
150	3.52	3.43	3.27	3.07	2.88													
155	3.79	3.68	3.49	3.27	3.14													
160	3.91	3.74	3.52	3.36	3.26													
165	3.87	3.70	3.53	3.39	3.33													
170	3.77	3.66	3.52	3.43	3.38													
175	3.70	3.62	3.52	3.44	3.39													
180	3.73	3.62	3.54	3.48	3.42													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K