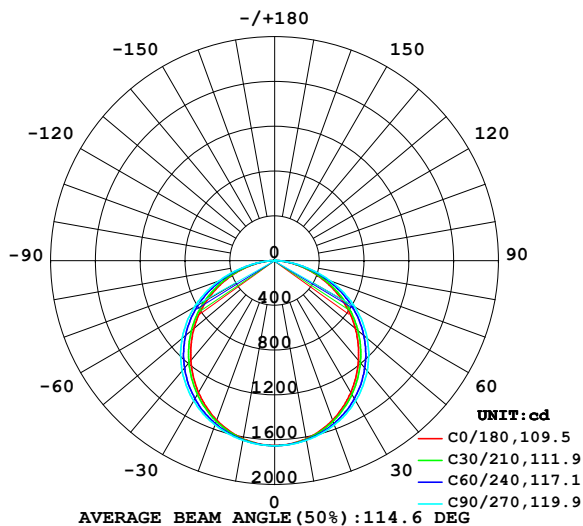


LUMINAIRE PHOTOMETRIC TEST REPORT

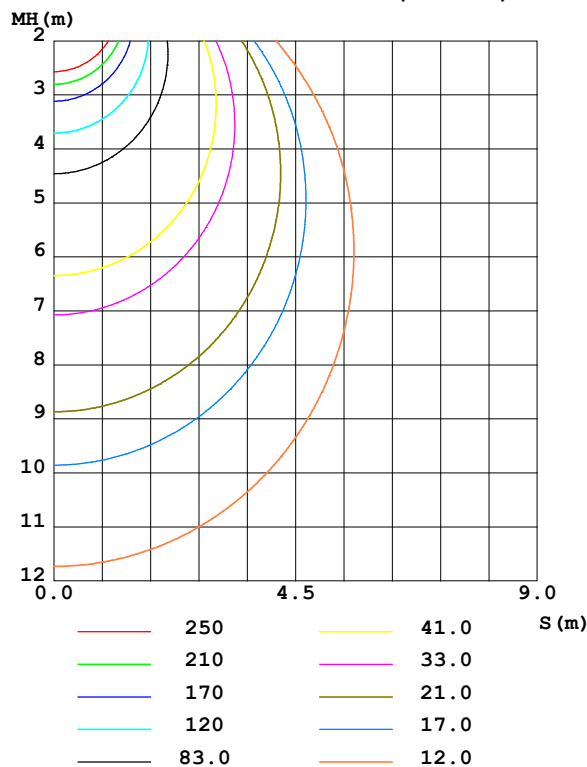
Test:U:120.12V I:0.3270A P:39.030W PF:0.9935 Freq:60.01Hz Lamp Flux:4825.9lx1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 123.65 lm/W
MODEL		I _{max} (cd)	1653	S/MH(C0/180)	1.23	
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.30	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4825.9	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	4825.91	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.9	
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120.078	η down (%)	99.8	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 45.1%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

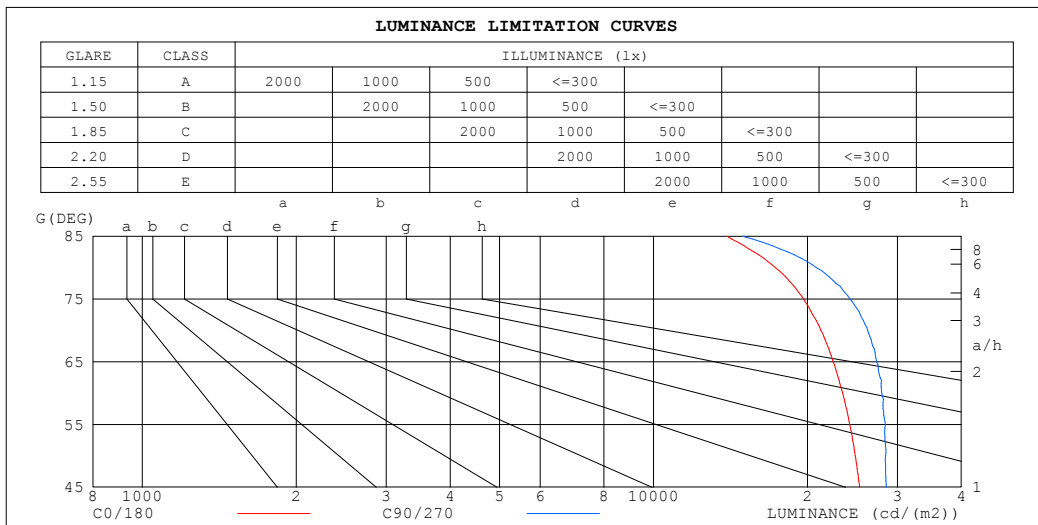
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1616	1623	1630	1623	1616	1623	1630	1623	0- 10	156.3	156.3	3.24,3.24
20	1516	1538	1561	1538	1516	1538	1561	1538	10- 20	448.0	604.3	12.5,12.5
30	1361	1402	1447	1402	1361	1402	1447	1402	20- 30	680.6	1285	26.6,26.6
40	1165	1221	1288	1221	1165	1221	1288	1221	30- 40	824.7	2110	43.7,43.7
50	941.9	1004	1079	1004	941.9	1004	1079	1004	40- 50	863.5	2973	61.6,61.6
60	692.1	752.8	825.3	752.8	692.1	752.8	825.3	752.8	50- 60	791.0	3764	78,78
70	429.3	472.8	529.8	472.8	429.3	472.8	529.8	472.8	60- 70	611.2	4375	90.7,90.7
80	177.5	193.4	213.6	193.4	177.5	193.4	213.6	193.4	70- 80	352.0	4727	98,98
90	10.46	6.441	4.201	6.441	10.46	6.441	4.201	6.441	80- 90	90.35	4818	99.8,99.8
100	0.4052	0.3960	0.3473	0.3960	0.4052	0.3960	0.3473	0.3960	90-100	1.053	4819	99.9,99.9
110	0.6090	0.6021	0.5543	0.6021	0.6090	0.6021	0.5543	0.6021	100-110	0.5263	4819	99.9,99.9
120	0.8487	0.8264	0.7666	0.8264	0.8487	0.8264	0.7666	0.8264	110-120	0.7024	4820	99.9,99.9
130	1.273	1.194	1.157	1.194	1.273	1.194	1.157	1.194	120-130	0.8779	4821	99.9,99.9
140	1.986	1.894	1.832	1.894	1.986	1.894	1.832	1.894	130-140	1.178	4822	99.9,99.9
150	2.847	2.679	2.609	2.679	2.847	2.679	2.609	2.679	140-150	1.447	4823	99.9,99.9
160	3.195	3.019	2.938	3.019	3.195	3.019	2.938	3.019	150-160	1.349	4825	100,100
170	3.149	3.013	2.949	3.013	3.149	3.013	2.949	3.013	160-170	0.8606	4826	100,100
180	3.296	3.096	3.004	3.096	3.296	3.096	3.004	3.096	170-180	0.2927	4826	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

LUMINANCE LIMITATION CURVES

Test:U:120.12V I:0.3270A P:39.030W PF:0.9935 Freq:60.01Hz Lamp Flux:4825.91x1 lm		
NAME: VLTG-2S-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	13936	14928
80	17310	20833
75	19651	24250
70	21257	26233
65	22461	27326
60	23443	27953
55	24187	28388
50	24815	28437
45	25302	28521

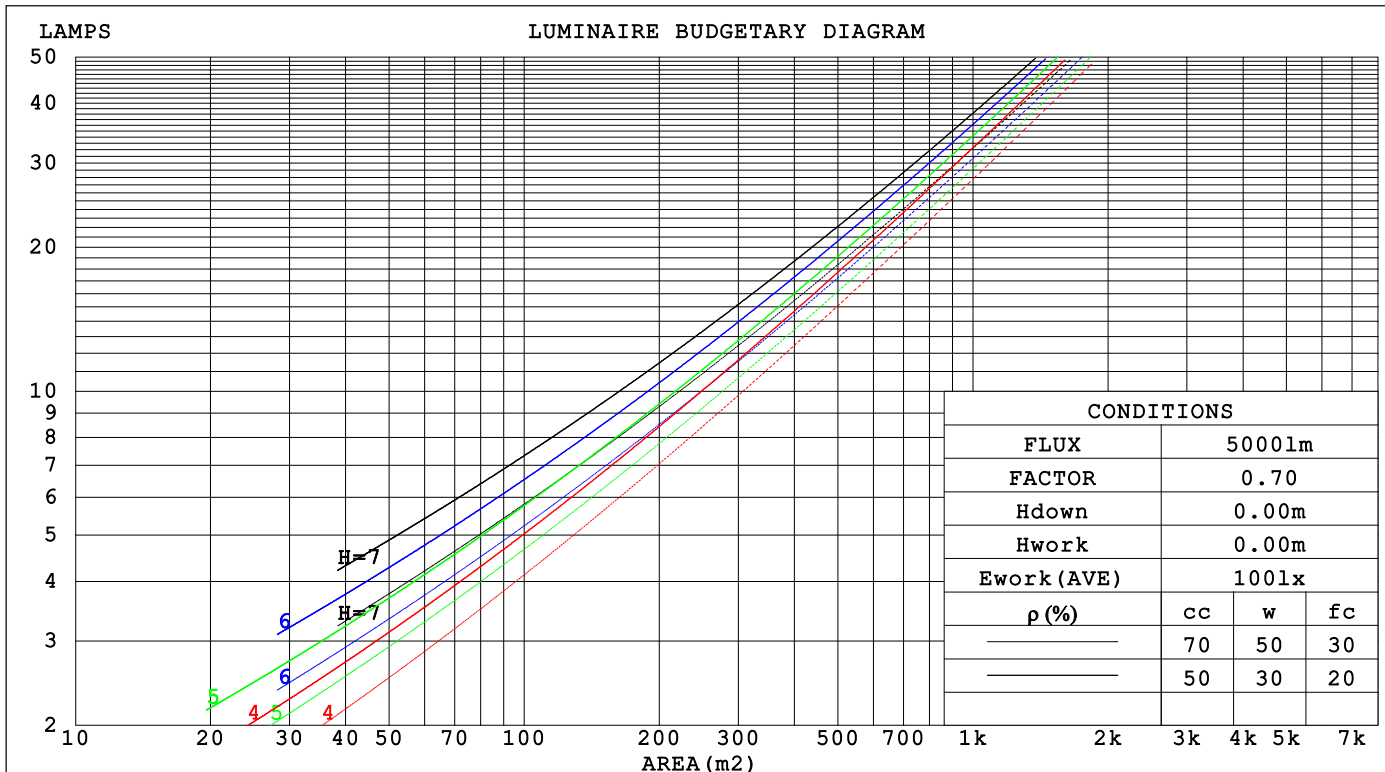
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 45.1%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.12V I:0.3270A P:39.030W PF:0.9935 Freq:60.01Hz Lamp Flux:4825.9lx1 lm		
NAME: VLTG-2S-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	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.51	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

WEC AND CCEC

Test:U:120.12V I:0.3270A P:39.030W PF:0.9935 Freq:60.01Hz Lamp Flux:4825.91x1 lm		
NAME: VLTG-2S-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	.313	.178	.056	.305	.174	.055	.292	.168	.054	.280	.161	.052	.268	.156	.050		
2.0	.294	.161	.049	.288	.159	.049	.276	.154	.048	.265	.149	.047	.255	.144	.046		
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.246	.135	.041	.237	.131	.041		
4.0	.251	.130	.038	.246	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036		
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.212	.112	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.148	.075	.021		

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	.157	.135	.156	.135	.117	.106	.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	.166	.116	.075	.143	.100	.065	.098	.069	.046	.057	.040	.027	.018	.013	.009		
4.0	.159	.102	.059	.136	.088	.052	.094	.062	.036	.054	.036	.021	.017	.012	.007		
5.0	.151	.092	.048	.130	.080	.042	.089	.056	.030	.052	.033	.018	.017	.011	.006		
6.0	.144	.084	.040	.124	.072	.035	.085	.051	.025	.050	.030	.015	.016	.010	.005		
7.0	.137	.077	.034	.118	.067	.030	.082	.047	.021	.047	.027	.013	.015	.009	.004		
8.0	.131	.071	.030	.113	.062	.026	.078	.043	.019	.045	.025	.011	.015	.008	.004		
9.0	.125	.066	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003		
10.0	.119	.062	.024	.102	.054	.021	.071	.038	.015	.041	.022	.009	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

UGR(Unified Glare Rating) Table

Test:U:120.12V I:0.3270A P:39.030W PF:0.9935 Freq:60.01Hz Lamp Flux:4825.91x1 lm										
NAME: VLTG-2S-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	23.9	25.4	24.1	25.6	25.8	24.6	26.2	24.9	26.4	26.6
3H	25.3	26.7	25.6	27.0	27.2	26.3	27.7	26.6	28.0	28.2
4H	25.9	27.2	26.2	27.5	27.8	27.0	28.3	27.3	28.6	28.8
6H	26.3	27.6	26.6	27.9	28.1	27.4	28.7	27.7	28.9	29.2
8H	26.4	27.7	26.8	27.9	28.2	27.5	28.7	27.9	29.0	29.3
12H	26.5	27.7	26.8	28.0	28.3	27.6	28.8	27.9	29.1	29.4
4H 2H	24.6	25.9	24.9	26.2	26.4	25.2	26.5	25.5	26.8	27.0
3H	26.2	27.4	26.6	27.7	28.0	27.0	28.2	27.4	28.5	28.8
4H	26.9	28.0	27.3	28.3	28.6	27.8	28.9	28.2	29.2	29.6
6H	27.4	28.4	27.8	28.7	29.1	28.4	29.3	28.8	29.7	30.1
8H	27.6	28.5	28.0	28.8	29.2	28.6	29.5	29.0	29.8	30.2
12H	27.7	28.5	28.1	28.9	29.3	28.7	29.5	29.1	29.9	30.3
8H 4H	27.2	28.1	27.6	28.5	28.9	28.0	28.9	28.4	29.3	29.7
6H	27.9	28.6	28.3	29.0	29.5	28.7	29.5	29.2	29.9	30.3
8H	28.1	28.8	28.6	29.2	29.7	29.0	29.7	29.5	30.1	30.5
12H	28.3	28.8	28.8	29.3	29.8	29.1	29.7	29.6	30.2	30.6
12H 4H	27.2	28.1	27.7	28.5	28.9	28.0	28.9	28.5	29.2	29.6
6H	28.0	28.6	28.4	29.0	29.5	28.8	29.4	29.2	29.9	30.3
8H	28.2	28.8	28.7	29.2	29.7	29.1	29.6	29.5	30.1	30.6
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, 4826 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.5)
Area: 0.05905 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

UTILIZATION FACTORS TABLE

Test:U:120.12V I:0.3270A P:39.030W PF:0.9935 Freq:60.01Hz Lamp Flux:4825.91x1 lm		
NAME: VLTG-2S-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:

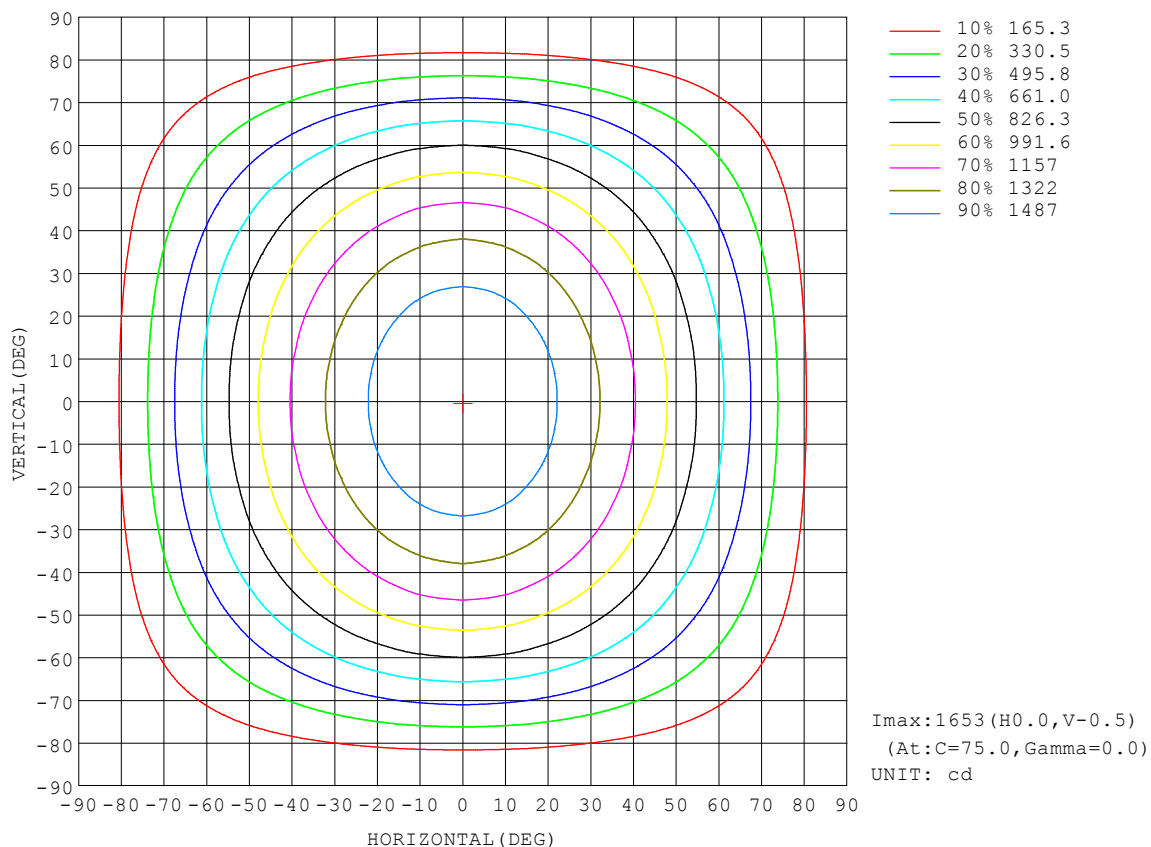
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	78
4.00	106	100	96	104	98	94	99	95	91	83
5.00	108	104	100	106	102	98	101	98	95	86
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: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 45.1%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

ISOCANDELA DIAGRAM

Test:U:120.12V I:0.3270A P:39.030W PF:0.9935 Freq:60.01Hz Lamp Flux:4825.91x1 lm		
NAME: VLTG-2S-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:

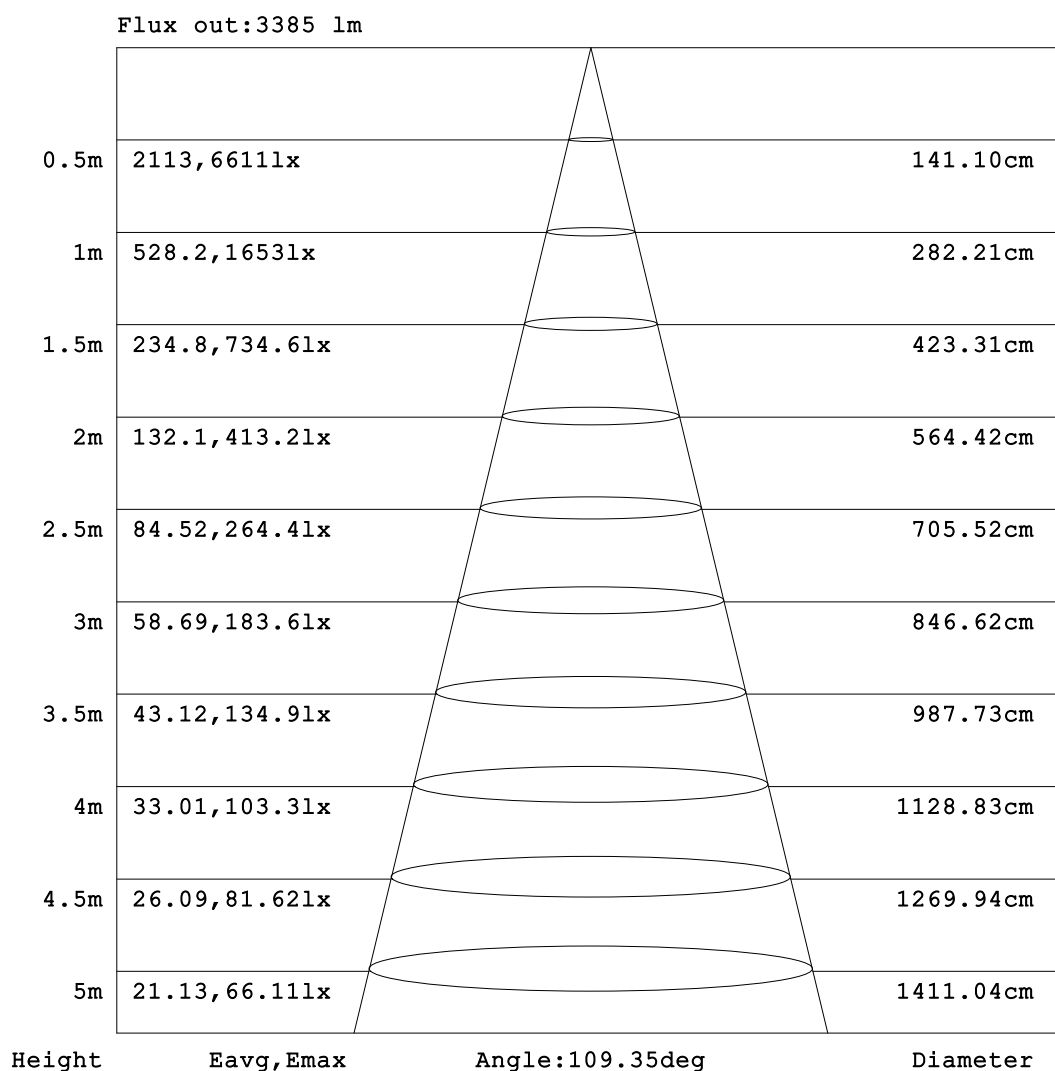


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

AAI Figure

Test:U:120.12V I:0.3270A P:39.030W PF:0.9935 Freq:60.01Hz Lamp Flux:4825.9lx1 lm		
NAME: VLTG-2S-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:



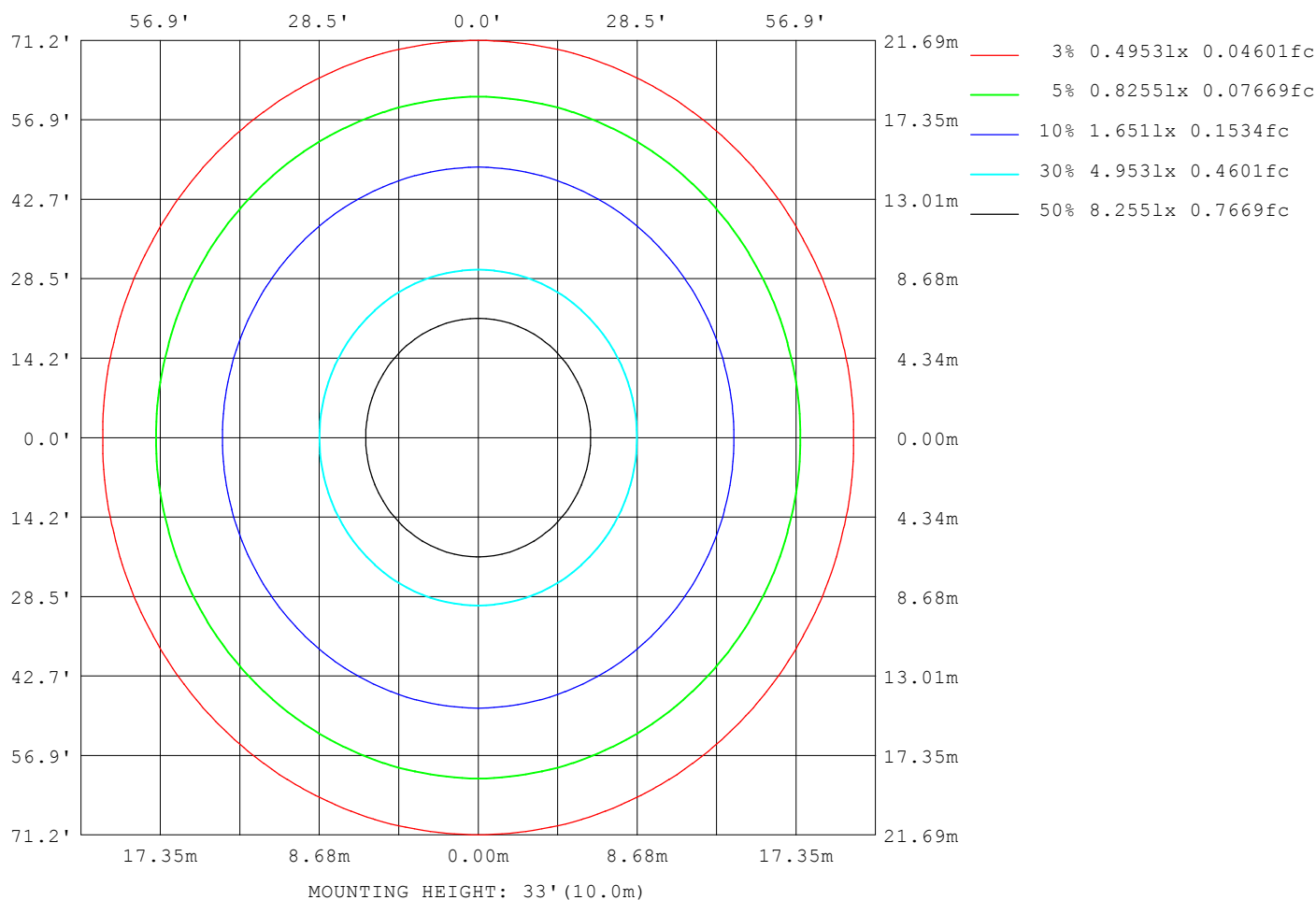
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

ISOLUX DIAGRAM

Test:U:120.12V I:0.3270A P:39.030W PF:0.9935 Freq:60.01Hz Lamp Flux:4825.9lx1 lm		
NAME: VLTG-2S-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:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

LED Avg.L Report

Test:U:120.12V I:0.3270A P:39.030W PF:0.9935 Freq:60.01Hz Lamp Flux:4825.91x1 lm		
NAME: VLTG-2S-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:

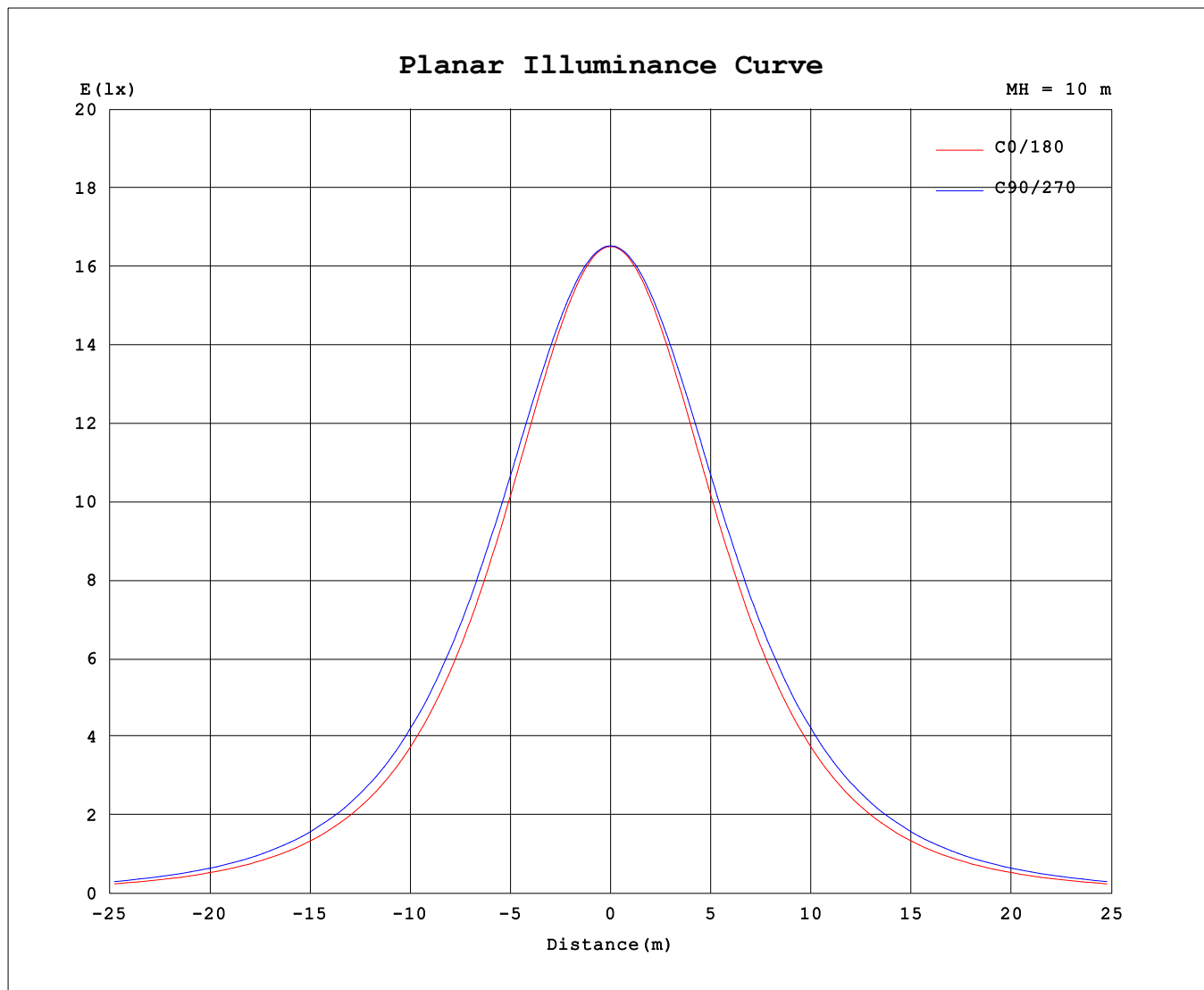
AvgL	cd/m2
L_0~180 (65) av	22461
L_0~180 (75) av	19651
L_0~180 (85) av	13936
L_90~270 (65) av	27326
L_90~270 (75) av	24250
L_90~270 (85) av	14928
L_45 (65) av	24666
L_45 (75) av	21614
L_45 (85) av	14355

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-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: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 45.1%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.12V I:0.3270A P:39.030W PF:0.9935 Freq:60.01Hz Lamp Flux:4825.91x1 lm		
NAME: VLTG-2S-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	1651	1652	1652	1652	1652	1653	1653	1653	1652	1652	1652	1652	1651	1652	1652	1652	1652	1653	1653
5	1642	1643	1644	1645	1646	1647	1647	1647	1646	1645	1644	1643	1642	1643	1644	1645	1646	1647	1647
10	1616	1617	1620	1623	1626	1629	1630	1629	1626	1623	1620	1617	1616	1617	1620	1623	1626	1629	1630
15	1573	1575	1580	1587	1594	1599	1601	1599	1594	1587	1580	1575	1573	1575	1580	1587	1594	1599	1601
20	1516	1519	1527	1538	1549	1557	1561	1557	1549	1538	1527	1519	1516	1519	1527	1538	1549	1557	1561
25	1444	1449	1460	1476	1493	1506	1510	1506	1493	1476	1460	1449	1444	1449	1460	1476	1493	1506	1510
30	1361	1366	1381	1402	1424	1441	1447	1441	1424	1402	1381	1366	1361	1366	1381	1402	1424	1441	1447
35	1266	1273	1291	1317	1346	1364	1371	1364	1346	1317	1291	1273	1266	1273	1291	1317	1346	1364	1371
40	1165	1172	1192	1221	1252	1279	1288	1279	1252	1221	1192	1172	1165	1172	1192	1221	1252	1279	1288
45	1056	1064	1086	1116	1151	1179	1191	1179	1151	1116	1086	1064	1056	1064	1086	1116	1151	1179	1191
50	942	948	971	1004	1040	1067	1079	1067	1040	1004	971	948	942	948	971	1004	1040	1067	1079
55	819	828	849	882	919	947	961	947	919	882	849	828	819	828	849	882	919	947	961
60	692	699	721	753	787	817	825	817	787	753	721	699	692	699	721	753	787	817	825
65	561	567	586	616	647	673	682	673	647	616	586	567	561	567	586	616	647	673	682
70	429	434	449	473	501	522	530	522	501	473	449	434	429	434	449	473	501	522	530
75	300	303	314	330	350	366	371	366	350	330	314	303	300	303	314	330	350	366	371
80	177	179	184	193	203	212	214	212	203	193	184	179	177	179	184	193	203	212	214
85	71.7	70.5	72.1	73.9	75.9	76.9	76.8	76.9	75.9	73.9	72.1	70.5	71.7	70.5	72.1	73.9	75.9	76.9	76.8
90	10.5	8.49	7.57	6.44	5.16	4.65	4.20	4.65	5.16	6.44	7.57	8.49	10.5	8.49	7.57	6.44	5.16	4.65	4.20
95	0.28	0.28	0.27	0.26	0.25	0.28	0.29	0.28	0.25	0.26	0.27	0.28	0.28	0.28	0.27	0.26	0.25	0.28	0.29
100	0.41	0.42	0.40	0.40	0.38	0.35	0.35	0.35	0.38	0.40	0.40	0.42	0.41	0.42	0.40	0.40	0.38	0.35	0.35
105	0.51	0.53	0.51	0.50	0.49	0.47	0.46	0.47	0.49	0.50	0.51	0.53	0.51	0.53	0.51	0.50	0.49	0.47	0.46
110	0.61	0.63	0.61	0.60	0.59	0.56	0.55	0.56	0.59	0.60	0.61	0.63	0.61	0.63	0.61	0.60	0.59	0.56	0.55
115	0.73	0.75	0.72	0.71	0.70	0.68	0.66	0.68	0.70	0.71	0.72	0.75	0.73	0.75	0.72	0.71	0.70	0.68	0.66
120	0.85	0.88	0.85	0.83	0.80	0.77	0.77	0.77	0.80	0.83	0.85	0.88	0.85	0.88	0.85	0.83	0.80	0.77	0.77
125	1.00	1.03	0.98	0.95	0.93	0.91	0.91	0.91	0.93	0.95	0.98	1.03	1.00	1.03	0.98	0.95	0.93	0.91	0.91
130	1.27	1.29	1.23	1.19	1.17	1.18	1.16	1.18	1.17	1.19	1.23	1.29	1.27	1.29	1.23	1.19	1.17	1.18	1.16
135	1.58	1.60	1.52	1.48	1.47	1.47	1.44	1.47	1.47	1.48	1.52	1.60	1.58	1.60	1.52	1.48	1.47	1.47	1.44
140	1.99	2.00	1.94	1.89	1.88	1.86	1.83	1.86	1.88	1.89	1.94	2.00	1.99	2.00	1.94	1.89	1.88	1.86	1.83
145	2.43	2.43	2.37	2.31	2.31	2.29	2.24	2.29	2.31	2.31	2.37	2.43	2.43	2.43	2.37	2.31	2.31	2.29	2.24
150	2.85	2.83	2.77	2.68	2.61	2.60	2.61	2.60	2.61	2.68	2.77	2.83	2.85	2.83	2.77	2.68	2.61	2.60	2.61
155	3.11	3.09	3.01	2.93	2.83	2.83	2.85	2.83	2.83	2.93	3.01	3.09	3.11	3.09	3.01	2.93	2.83	2.83	2.85
160	3.19	3.20	3.09	3.02	2.92	2.94	2.94	2.94	2.92	3.02	3.09	3.20	3.19	3.20	3.09	3.02	2.92	2.94	2.94
165	3.18	3.18	3.08	2.98	2.93	2.96	2.94	2.96	2.93	2.98	3.08	3.18	3.18	3.18	3.08	2.98	2.93	2.96	2.94
170	3.15	3.18	3.09	3.01	2.97	2.96	2.95	2.96	2.97	3.01	3.09	3.18	3.15	3.18	3.09	3.01	2.97	2.96	2.95
175	3.16	3.21	3.12	3.05	3.00	2.98	2.97	2.98	3.00	3.05	3.12	3.21	3.16	3.21	3.12	3.05	3.00	2.98	2.97
180	3.30	3.26	3.16	3.10	3.05	3.02	3.00	3.02	3.05	3.10	3.16	3.26	3.30	3.26	3.16	3.10	3.05	3.02	3.00

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.12V I:0.3270A P:39.030W PF:0.9935 Freq:60.01Hz Lamp Flux:4825.91x1 lm		
NAME: VLTG-2S-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	1653	1652	1652	1652	1652													
5	1647	1646	1645	1644	1643													
10	1629	1626	1623	1620	1617													
15	1599	1594	1587	1580	1575													
20	1557	1549	1538	1527	1519													
25	1506	1493	1476	1460	1449													
30	1441	1424	1402	1381	1366													
35	1364	1346	1317	1291	1273													
40	1279	1252	1221	1192	1172													
45	1179	1151	1116	1086	1064													
50	1067	1040	1004	971	948													
55	947	919	882	849	828													
60	817	787	753	721	699													
65	673	647	616	586	567													
70	522	501	473	449	434													
75	366	350	330	314	303													
80	212	203	193	184	179													
85	76.9	75.9	73.9	72.1	70.5													
90	4.65	5.16	6.44	7.57	8.49													
95	0.28	0.25	0.26	0.27	0.28													
100	0.35	0.38	0.40	0.40	0.42													
105	0.47	0.49	0.50	0.51	0.53													
110	0.56	0.59	0.60	0.61	0.63													
115	0.68	0.70	0.71	0.72	0.75													
120	0.77	0.80	0.83	0.85	0.88													
125	0.91	0.93	0.95	0.98	1.03													
130	1.18	1.17	1.19	1.23	1.29													
135	1.47	1.47	1.48	1.52	1.60													
140	1.86	1.88	1.89	1.94	2.00													
145	2.29	2.31	2.31	2.37	2.43													
150	2.60	2.61	2.68	2.77	2.83													
155	2.83	2.83	2.93	3.01	3.09													
160	2.94	2.92	3.02	3.09	3.20													
165	2.96	2.93	2.98	3.08	3.18													
170	2.96	2.97	3.01	3.09	3.18													
175	2.98	3.00	3.05	3.12	3.21													
180	3.02	3.05	3.10	3.16	3.26													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K